

Semivolatiles Data- Method 8270

Semivolatiles QC Summary

Surrogate Recovery Summary

Form 2

Semivolatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2557076
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
FIELD BLANK (L2557076-02)	60	45	71	72	81	81	0
5A (L2557076-03)	69	46	81	78	114	88	0
5A (L2557076-03RE)	44	30	68	63	51	60	0
5B (L2557076-04RE)	40	27	55	54	48	50	0
5B (L2557076-04)	67	48	81	78	109	86	0
6A (L2557076-05RE)	41	28	58	54	52	56	0
6A (L2557076-05)	61	42	78	71	111	84	0
6B (L2557076-06)	57	45	78	78	112	92	0
6B (L2557076-06RE)	44	30	62	58	56	53	0
7A (L2557076-07)	65	45	85	75	111	88	0
7B (L2557076-08RE)	50	33	66	65	84	67	0
7B (L2557076-08)	69	46	89	80	118	92	0
10A (L2557076-09)	64	44	83	76	109	86	0
10A (L2557076-09RE)	39	27	52	52	67	61	0
10B (L2557076-10)	57	41	81	76	116	91	0
WG2115183-1BLANK	61	43	80	79	92	89	0
WG2115183-2LCS	66	47	83	80	94	83	0
WG2115183-3LCSD	64	48	87	83	97	81	0
WG2115761-1BLANK	49	36	65	63	65	68	0
WG2115761-2LCS	49	36	63	60	63	60	0
WG2115761-3LCSD	54	41	72	69	71	66	0
WG2120226-1BLANK	75	54	103	87	102	97	0
WG2120226-2LCS	43	31	53	62	87	65	0
WG2120226-3LCSD	54	36	69	66	88	63	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

* Values outside of QC limits

FORM II NYTCL-8270-RVT



Form 3

Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2115183-2	Analysis Date	: 09/16/25 10:23
LCS Sample ID	: WG2115183-3	Analysis Date	: 09/16/25 10:48
		File ID	: 115183-2
		File ID	: 115183-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Acenaphthene	20	16.	79	20	16.	80	1	37-111	30
1,2,4-Trichlorobenzene	20	14.	68	20	14.	68	0	39-98	30
Hexachlorobenzene	20	16.	82	20	17.	83	1	40-140	30
Bis(2-chloroethyl)ether	20	15.	76	20	15.	74	3	40-140	30
2-Chloronaphthalene	20	15.	73	20	15.	76	4	40-140	30
1,2-Dichlorobenzene	20	14.	69	20	14.	68	1	40-140	30
1,3-Dichlorobenzene	20	14.	69	20	13.	66	4	40-140	30
1,4-Dichlorobenzene	20	14.	68	20	13.	67	1	36-97	30
3,3'-Dichlorobenzidine	20	13.	67	20	13.	66	2	40-140	30
2,4-Dinitrotoluene	20	19.	94	20	18.	93	1	48-143	30
2,6-Dinitrotoluene	20	20.	98	20	19.	95	3	40-140	30
Fluoranthene	20	17.	85	20	17.	83	2	40-140	30
4-Chlorophenyl phenyl ether	20	16.	78	20	16.	79	1	40-140	30
4-Bromophenyl phenyl ether	20	15.	77	20	16.	79	3	40-140	30
Bis(2-chloroisopropyl)ether	20	14.	72	20	15.	76	5	40-140	30
Bis(2-chloroethoxy)methane	20	16.	80	20	16.	82	2	40-140	30
Hexachlorobutadiene	20	12.	62	20	12.	61	2	40-140	30
Hexachlorocyclopentadiene	20	12.	60	20	13.	66	10	40-140	30
Hexachloroethane	20	12.	62	20	13.	63	2	40-140	30
Isophorone	20	15.	76	20	16.	79	4	40-140	30
Naphthalene	20	14.	71	20	14.	72	1	40-140	30
Nitrobenzene	20	16.	80	20	16.	79	1	40-140	30
NDPA/DPA	20	17.	84	20	17.	84	0	40-140	30
n-Nitrosodi-n-propylamine	20	16.	79	20	16.	83	5	29-132	30
Bis(2-ethylhexyl)phthalate	20	16.	82	20	17.	85	4	40-140	30
Butyl benzyl phthalate	20	19.	96	20	19.	93	3	40-140	30



Form 3

Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2115183-2	Analysis Date	: 09/16/25 10:23
LCSD Sample ID	: WG2115183-3	Analysis Date	: 09/16/25 10:48
		File ID	: 115183-2
		File ID	: 115183-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Di-n-butylphthalate	20	23.	115	20	22.	113	2	40-140	30
Di-n-octylphthalate	20	18.	92	20	19.	94	2	40-140	30
Diethyl phthalate	20	18.	88	20	17.	87	1	40-140	30
Dimethyl phthalate	20	17.	86	20	18.	88	2	40-140	30
Benzo(a)anthracene	20	16.	81	20	16.	80	1	40-140	30
Benzo(a)pyrene	20	20.	99	20	20.	98	1	40-140	30
Benzo(b)fluoranthene	20	18.	93	20	19.	95	2	40-140	30
Benzo(k)fluoranthene	20	19.	95	20	18.	90	5	40-140	30
Chrysene	20	17.	83	20	17.	83	0	40-140	30
Acenaphthylene	20	15.	77	20	16.	79	3	45-123	30
Anthracene	20	16.	79	20	16.	78	1	40-140	30
Benzo(ghi)perylene	20	17.	84	20	16.	82	2	40-140	30
Fluorene	20	16.	83	20	16.	82	1	40-140	30
Phenanthrene	20	16.	78	20	15.	76	3	40-140	30
Dibenzo(a,h)anthracene	20	17.	84	20	16.	81	4	40-140	30
Indeno(1,2,3-cd)pyrene	20	17.	87	20	17.	84	4	40-140	30
Pyrene	20	17.	85	20	16.	81	5	26-127	30
Biphenyl	20	14.	72	20	15.	76	5	40-140	30
4-Chloroaniline	20	10.	51	20	12.	60	16	40-140	30
2-Nitroaniline	20	19.	94	20	20.	98	4	52-143	30
3-Nitroaniline	20	16.	82	20	19.	94	14	25-145	30
4-Nitroaniline	20	18.	92	20	18.	89	3	51-143	30
Dibenzofuran	20	16.	80	20	16.	80	0	40-140	30
2-Methylnaphthalene	20	15.	75	20	15.	77	3	40-140	30
1,2,4,5-Tetrachlorobenzene	20	14.	68	20	14.	70	3	2-134	30
Acetophenone	20	16.	78	20	16.	79	1	39-129	30



Form 3

Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2115183-2	Analysis Date	: 09/16/25 10:23
LCS Sample ID	: WG2115183-3	Analysis Date	: 09/16/25 10:48
		File ID	: 115183-2
		File ID	: 115183-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
2,4,6-Trichlorophenol	20	18.	88	20	18.	91	3	30-130	30
p-Chloro-m-cresol	20	18.	90	20	18.	88	2	23-97	30
2-Chlorophenol	20	15.	76	20	15.	76	0	27-123	30
2,4-Dichlorophenol	20	16.	82	20	17.	85	4	30-130	30
2,4-Dimethylphenol	20	16.	79	20	16.	78	1	30-130	30
2-Nitrophenol	20	19.	94	20	18.	92	2	30-130	30
4-Nitrophenol	20	14.	72	20	15.	74	3	10-80	30
2,4-Dinitrophenol	20	24.	118	20	23.	117	1	20-130	30
4,6-Dinitro-o-cresol	20	23.	114	20	23.	116	2	20-164	30
Pentachlorophenol	20	19.	95	20	19.	96	1	9-103	30
Phenol	20	9.7	48	20	9.5	48	0	12-110	30
2-Methylphenol	20	15.	76	20	16.	78	3	30-130	30
3-Methylphenol/4-Methylphenol	20	15.	77	20	15.	77	0	30-130	30
2,4,5-Trichlorophenol	20	18.	88	20	19.	93	6	30-130	30
Benzoic Acid	20	20.	102	20	21.	107	5	10-164	30
Benzyl Alcohol	20	15.	75	20	16.	79	5	26-116	30
Carbazole	20	17.	87	20	17.	84	4	55-144	30



Form 3

Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2115761-2	Analysis Date	: 09/17/25 11:36
LCS Sample ID	: WG2115761-3	Analysis Date	: 09/17/25 11:57
		File ID	: 115766-2
		File ID	: 115766-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Acenaphthene	20	12.	61	20	14.	69	12	37-111	30
1,2,4-Trichlorobenzene	20	11.	54	20	12.	62	14	39-98	30
Hexachlorobenzene	20	14.	68	20	15.	75	10	40-140	30
Bis(2-chloroethyl)ether	20	12.	62	20	14.	68	9	40-140	30
2-Chloronaphthalene	20	12.	59	20	14.	68	14	40-140	30
1,2-Dichlorobenzene	20	10.	53	20	12.	61	14	40-140	30
1,3-Dichlorobenzene	20	10.	50	20	12.	60	18	40-140	30
1,4-Dichlorobenzene	20	10.	52	20	12.	60	14	36-97	30
3,3'-Dichlorobenzidine	20	9.6	48	20	11.	56	15	40-140	30
2,4-Dinitrotoluene	20	13.	67	20	15.	76	13	48-143	30
2,6-Dinitrotoluene	20	14.	69	20	15.	74	7	40-140	30
Fluoranthene	20	13.	66	20	14.	72	9	40-140	30
4-Chlorophenyl phenyl ether	20	13.	63	20	14.	72	13	40-140	30
4-Bromophenyl phenyl ether	20	13.	66	20	15.	73	10	40-140	30
Bis(2-chloroisopropyl)ether	20	11.	55	20	13.	66	18	40-140	30
Bis(2-chloroethoxy)methane	20	13.	64	20	14.	72	12	40-140	30
Hexachlorobutadiene	20	10.	50	20	12.	61	20	40-140	30
Hexachlorocyclopentadiene	20	7.7	38 Q	20	9.6	48	23	40-140	30
Hexachloroethane	20	10.	52	20	12.	60	14	40-140	30
Isophorone	20	12.	63	20	14.	71	12	40-140	30
Naphthalene	20	12.	58	20	13.	65	11	40-140	30
Nitrobenzene	20	12.	60	20	14.	72	18	40-140	30
NDPA/DPA	20	13.	66	20	15.	75	13	40-140	30
n-Nitrosodi-n-propylamine	20	13.	65	20	15.	75	14	29-132	30
Bis(2-ethylhexyl)phthalate	20	15.	76	20	17.	85	11	40-140	30
Butyl benzyl phthalate	20	15.	77	20	17.	86	11	40-140	30



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : P. W. Grosser Lab Number : L2557076
 Project Name : ROANOKE SAND AND GRAVEL Project Number : BSD1504
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2115761-2 Analysis Date : 09/17/25 11:36 File ID : 115766-2
 LCSD Sample ID : WG2115761-3 Analysis Date : 09/17/25 11:57 File ID : 115766-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Di-n-butylphthalate	20	20.	99	20	22.	112	12	40-140	30
Di-n-octylphthalate	20	15.	74	20	17.	84	13	40-140	30
Diethyl phthalate	20	14.	68	20	15.	75	10	40-140	30
Dimethyl phthalate	20	13.	67	20	15.	74	10	40-140	30
Benzo(a)anthracene	20	13.	66	20	15.	74	11	40-140	30
Benzo(a)pyrene	20	14.	73	20	16.	80	9	40-140	30
Benzo(b)fluoranthene	20	14.	73	20	16.	80	9	40-140	30
Benzo(k)fluoranthene	20	14.	69	20	15.	77	11	40-140	30
Chrysene	20	13.	64	20	14.	72	12	40-140	30
Acenaphthylene	20	13.	63	20	14.	71	12	45-123	30
Anthracene	20	12.	63	20	14.	70	11	40-140	30
Benzo(ghi)perylene	20	13.	66	20	14.	72	9	40-140	30
Fluorene	20	13.	65	20	14.	69	6	40-140	30
Phenanthrene	20	12.	62	20	14.	68	9	40-140	30
Dibenzo(a,h)anthracene	20	13.	66	20	14.	72	9	40-140	30
Indeno(1,2,3-cd)pyrene	20	13.	66	20	14.	72	9	40-140	30
Pyrene	20	13.	65	20	14.	70	7	26-127	30
Biphenyl	20	12.	59	20	14.	68	14	40-140	30
4-Chloroaniline	20	6.9	34 Q	20	8.0	40	16	40-140	30
2-Nitroaniline	20	14.	71	20	16.	81	13	52-143	30
3-Nitroaniline	20	12.	59	20	13.	65	10	25-145	30
4-Nitroaniline	20	14.	68	20	15.	75	10	51-143	30
Dibenzofuran	20	13.	64	20	14.	71	10	40-140	30
2-Methylnaphthalene	20	12.	59	20	14.	69	16	40-140	30
1,2,4,5-Tetrachlorobenzene	20	11.	55	20	13.	63	14	2-134	30
Acetophenone	20	13.	64	20	14.	70	9	39-129	30



Form 3

Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2115761-2	Analysis Date : 09/17/25 11:36	File ID : 115766-2
LCS Sample ID	: WG2115761-3	Analysis Date : 09/17/25 11:57	File ID : 115766-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
2,4,6-Trichlorophenol	20	14.	70	20	16.	81	15	30-130	30
p-Chloro-m-cresol	20	14.	68	20	15.	77	12	23-97	30
2-Chlorophenol	20	12.	63	20	14.	70	11	27-123	30
2,4-Dichlorophenol	20	14.	70	20	15.	77	10	30-130	30
2,4-Dimethylphenol	20	12.	61	20	14.	71	15	30-130	30
2-Nitrophenol	20	13.	64	20	16.	78	20	30-130	30
4-Nitrophenol	20	10.	53	20	12.	58	9	10-80	30
2,4-Dinitrophenol	20	9.3	46	20	11.	54	16	20-130	30
4,6-Dinitro-o-cresol	20	12.	60	20	13.	67	11	20-164	30
Pentachlorophenol	20	12.	59	20	13.	66	11	9-103	30
Phenol	20	7.6	38	20	9.0	45	17	12-110	30
2-Methylphenol	20	12.	61	20	14.	70	14	30-130	30
3-Methylphenol/4-Methylphenol	20	12.	61	20	14.	70	14	30-130	30
2,4,5-Trichlorophenol	20	15.	74	20	16.	82	10	30-130	30
Benzoic Acid	20	12.	58	20	12.	62	7	10-164	30
Benzyl Alcohol	20	12.	60	20	14.	68	13	26-116	30
Carbazole	20	13.	65	20	14.	73	12	55-144	30



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : P. W. Grosser Lab Number : L2557076
 Project Name : ROANOKE SAND AND GRAVEL Project Number : BSD1504
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2120226-2 Analysis Date : 09/28/25 22:17 File ID : 120226-2
 LCSD Sample ID : WG2120226-3 Analysis Date : 09/28/25 22:40 File ID : 120226-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Acenaphthene	20	12.	59	20	13.	64	8	37-111	30
1,2,4-Trichlorobenzene	20	10.	52	20	13.	64	21	39-98	30
Hexachlorobenzene	20	14.	72	20	15.	73	1	40-140	30
Bis(2-chloroethyl)ether	20	9.3	46	20	11.	54	16	40-140	30
2-Chloronaphthalene	20	12.	59	20	13.	64	8	40-140	30
1,2-Dichlorobenzene	20	10.	50	20	12.	58	15	40-140	30
1,3-Dichlorobenzene	20	10.	50	20	12.	58	15	40-140	30
1,4-Dichlorobenzene	20	10.	51	20	12.	58	13	36-97	30
3,3'-Dichlorobenzidine	20	11.	56	20	10.	53	6	40-140	30
2,4-Dinitrotoluene	20	14.	71	20	15.	76	7	48-143	30
2,6-Dinitrotoluene	20	13.	64	20	14.	68	6	40-140	30
Fluoranthene	20	13.	65	20	13.	65	0	40-140	30
4-Chlorophenyl phenyl ether	20	12.	63	20	13.	64	2	40-140	30
4-Bromophenyl phenyl ether	20	13.	65	20	14.	70	7	40-140	30
Bis(2-chloroisopropyl)ether	20	7.1	36 Q	20	8.4	42	15	40-140	30
Bis(2-chloroethoxy)methane	20	10.	53	20	12.	58	9	40-140	30
Hexachlorobutadiene	20	10.	50	20	11.	56	11	40-140	30
Hexachlorocyclopentadiene	20	10.	50	20	11.	57	13	40-140	30
Hexachloroethane	20	9.0	45	20	12.	60	29	40-140	30
Isophorone	20	11.	55	20	12.	63	14	40-140	30
Naphthalene	20	10.	50	20	12.	61	20	40-140	30
Nitrobenzene	20	11.	56	20	12.	62	10	40-140	30
NDPA/DPA	20	13.	67	20	14.	69	3	40-140	30
n-Nitrosodi-n-propylamine	20	10.	53	20	12.	59	11	29-132	30
Bis(2-ethylhexyl)phthalate	20	16.	81	20	16.	80	1	40-140	30
Butyl benzyl phthalate	20	15.	74	20	14.	72	3	40-140	30



Form 3

Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2120226-2	Analysis Date	: 09/28/25 22:17
LCS Sample ID	: WG2120226-3	Analysis Date	: 09/28/25 22:40
		File ID	: 120226-2
		File ID	: 120226-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Di-n-butylphthalate	20	19.	94	20	18.	88	7	40-140	30
Di-n-octylphthalate	20	16.	79	20	15.	76	4	40-140	30
Diethyl phthalate	20	14.	72	20	14.	71	1	40-140	30
Dimethyl phthalate	20	13.	67	20	14.	68	1	40-140	30
Benzo(a)anthracene	20	13.	65	20	13.	65	0	40-140	30
Benzo(a)pyrene	20	15.	73	20	15.	74	1	40-140	30
Benzo(b)fluoranthene	20	14.	71	20	14.	72	1	40-140	30
Benzo(k)fluoranthene	20	14.	72	20	14.	71	1	40-140	30
Chrysene	20	13.	63	20	12.	62	2	40-140	30
Acenaphthylene	20	13.	64	20	13.	67	5	45-123	30
Anthracene	20	13.	65	20	13.	64	2	40-140	30
Benzo(ghi)perylene	20	13.	66	20	13.	65	2	40-140	30
Fluorene	20	13.	66	20	14.	69	4	40-140	30
Phenanthrene	20	13.	63	20	12.	63	0	40-140	30
Dibenzo(a,h)anthracene	20	13.	65	20	13.	66	2	40-140	30
Indeno(1,2,3-cd)pyrene	20	13.	65	20	13.	66	2	40-140	30
Pyrene	20	12.	63	20	12.	61	3	26-127	30
Biphenyl	20	11.	56	20	12.	63	12	40-140	30
4-Chloroaniline	20	6.7	34 Q	20	9.2	46	30	40-140	30
2-Nitroaniline	20	14.	71	20	16.	79	11	52-143	30
3-Nitroaniline	20	12.	63	20	14.	69	9	25-145	30
4-Nitroaniline	20	14.	71	20	15.	77	8	51-143	30
Dibenzofuran	20	12.	61	20	13.	66	8	40-140	30
2-Methylnaphthalene	20	12.	58	20	13.	65	11	40-140	30
1,2,4,5-Tetrachlorobenzene	20	10.	51	20	12.	61	18	2-134	30
Acetophenone	20	10.	53	20	12.	59	11	39-129	30



Form 3

Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2120226-2	Analysis Date	: 09/28/25 22:17
LCS Sample ID	: WG2120226-3	Analysis Date	: 09/28/25 22:40
		File ID	: 120226-2
		File ID	: 120226-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
2,4,6-Trichlorophenol	20	14.	68	20	14.	70	3	30-130	30
p-Chloro-m-cresol	20	13.	67	20	15.	74	10	23-97	30
2-Chlorophenol	20	12.	60	20	13.	67	11	27-123	30
2,4-Dichlorophenol	20	13.	65	20	14.	72	10	30-130	30
2,4-Dimethylphenol	20	11.	57	20	13.	66	15	30-130	30
2-Nitrophenol	20	14.	68	20	14.	72	6	30-130	30
4-Nitrophenol	20	11.	54	20	11.	56	4	10-80	30
2,4-Dinitrophenol	20	18.	88	20	16.	78	12	20-130	30
4,6-Dinitro-o-cresol	20	15.	76	20	14.	71	7	20-164	30
Pentachlorophenol	20	18.	90	20	16.	82	9	9-103	30
Phenol	20	6.3	32	20	7.0	35	9	12-110	30
2-Methylphenol	20	11.	56	20	14.	68	19	30-130	30
3-Methylphenol/4-Methylphenol	20	11.	56	20	13.	64	13	30-130	30
2,4,5-Trichlorophenol	20	14.	69	20	15.	75	8	30-130	30
Benzoic Acid	20	18.	91	20	17.	86	6	10-164	30
Benzyl Alcohol	20	11.	57	20	14.	68	18	26-116	30
Carbazole	20	13.	66	20	13.	66	0	55-144	30



Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab Sample ID	: WG2115183-1	Lab File ID	: 115183-1
Instrument ID	: SV107	Extraction Date	: 09/16/25
Matrix	: WATER	Analysis Date	: 09/16/25 09:57
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2115183-2LCS	WG2115183-2	09/16/25 10:23
WG2115183-3LCSD	WG2115183-3	09/16/25 10:48
5A	L2557076-03	09/17/25 16:40
5B	L2557076-04	09/17/25 17:02
6A	L2557076-05	09/17/25 17:24
6B	L2557076-06	09/17/25 17:47
7A	L2557076-07	09/17/25 18:09
7B	L2557076-08	09/17/25 18:31
10A	L2557076-09	09/17/25 18:54
10B	L2557076-10	09/17/25 19:16

**Method Blank Summary
Form 4
Semivolatiles**

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab Sample ID	: WG2115761-1	Lab File ID	: 115766-1
Instrument ID	: SV106	Extraction Date	: 09/17/25
Matrix	: WATER	Analysis Date	: 09/17/25 11:15
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2115761-2LCS	WG2115761-2	09/17/25 11:36
WG2115761-3LCSD	WG2115761-3	09/17/25 11:57
FIELD BLANK	L2557076-02	09/18/25 13:14



Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab Sample ID	: WG2120226-1	Lab File ID	: 20226-1
Instrument ID	: SV107	Extraction Date	: 09/26/25
Matrix	: WATER	Analysis Date	: 09/29/25 17:47
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2120226-2LCS	WG2120226-2	09/28/25 22:17
WG2120226-3LCSD	WG2120226-3	09/28/25 22:40
5A	L2557076-03RE	09/29/25 03:24
5B	L2557076-04RE	09/29/25 03:49
6A	L2557076-05RE	09/29/25 04:15
7B	L2557076-08RE	09/29/25 04:18
6B	L2557076-06RE	09/29/25 04:40
10A	L2557076-09RE	09/29/25 04:41

Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV112	Analysis Date : 08/17/25 18:04
Tune Standard : R2000495-31	Tune File ID : Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	39.5
68	Less than 2.0% of mass 69	0.6 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	45.2
197	Less than 2.0% of mass 198	0.7
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	26.5
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than 24% of mass 442	16.5
442	Base Peak, or >50% of mass 198	79.1
443	15.0 - 24.0% of mass 442	15.2 (19.3)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R2000495-8	ABNL9	08/17/25 18:26
ABNL8	R2000495-9	ABNL8	08/17/25 18:49
ABNL7	R2000495-7	ABNL7	08/17/25 19:12
ABNL6	R2000495-6	ABNL6	08/17/25 19:34
ABNL4	R2000495-4	ABNL4	08/17/25 20:20
ABNL3	R2000495-3	ABNL3	08/17/25 20:42
ABNL2	R2000495-2	ABNL2	08/17/25 21:05
ABNL1	R2000495-1	ABNL1	08/17/25 21:27
AP9L9	R2000495-27	AP9L9	08/17/25 21:50
AP9L8	R2000495-26	AP9L8	08/17/25 22:13
AP9L7	R2000495-25	AP9L7	08/17/25 22:35
AP9L6	R2000495-24	AP9L6	08/17/25 22:58
AP9L5	R2000495-22	AP9L5	08/17/25 23:20
AP9L4	R2000495-23	AP9L4	08/17/25 23:43
AP9L3	R2000495-20	AP9L3	08/18/25 00:05
AP9L2	R2000495-21	AP9L2	08/18/25 00:28
AP9L1	R2000495-19	AP9L1	08/18/25 00:50
AP9 ICV Quant Rep	R2000495-30	AP9ICV	08/18/25 01:35



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV112	Analysis Date : 08/18/25 01:57
Tune Standard : R2000495-32	Tune File ID : Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	38.3
68	Less than 2.0% of mass 69	0.6 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	45.1
197	Less than 2.0% of mass 198	0.6
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	26.7
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	82.5
443	15.0 - 24.0% of mass 442	16.3 (19.8)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R2000495-18	ADPL9	08/18/25 02:20
ADPL8	R2000495-17	ADPL8	08/18/25 02:42
ADPL7	R2000495-16	ADPL7	08/18/25 03:05
ADPL6	R2000495-15	ADPL6	08/18/25 03:27
ADPL5	R2000495-14	ADPL5	08/18/25 03:50
ADPL4	R2000495-13	ADPL4	08/18/25 04:12
ADPL3	R2000495-12	ADPL3	08/18/25 04:35
ADPL2	R2000495-11	ADPL2	08/18/25 04:57
ADPL1	R2000495-10	ADPL1	08/18/25 05:20
ADP ICV Quant Report	R2000495-29	ADPICV	08/18/25 05:42
ABNL5a	R2000495-5	ABNL5A	08/18/25 06:05
ABN ICV Quant Report	R2000495-28	ABNICVA	08/18/25 06:27



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV112	Analysis Date : 09/28/25 17:23
Tune Standard : WG2120745-1	Tune File ID : DEG0928_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	36.8
68	Less than 2.0% of mass 69	0.6 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	43.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	26.6
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than 24% of mass 442	17.2
442	Base Peak, or >50% of mass 198	75.1
443	15.0 - 24.0% of mass 442	14.9 (19.8)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2120745-6TFACTOR-B	WG2120745-6	DEG0928	09/28/25 17:23
WG2120745-7TFACTOR-P	WG2120745-7	DEG0928	09/28/25 17:23
WG2120745-3CCAL	WG2120745-3	ABN0928	09/28/25 17:46
WG2120745-4CCAL	WG2120745-4	AP90928	09/28/25 18:09
WG2120745-5CCAL	WG2120745-5	ADP0928	09/28/25 18:31
7B	L2557076-08RE	57076-08	09/29/25 04:18
10A	L2557076-09RE	57076-09	09/29/25 04:41



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Analysis Date : 08/20/25 12:25
Tune Standard : R2001985-1	Tune File ID : Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	33.1
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	39.6
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	25.5
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than 24% of mass 442	18.8
442	Base Peak, or >50% of mass 198	78.1
443	15.0 - 24.0% of mass 442	14.9 (19.1)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R2001985-11	ABNL9	08/20/25 12:47
ABNL8	R2001985-10	ABNL8	08/20/25 13:09
ABNL7	R2001985-9	ABNL7	08/20/25 13:31
ABNL6	R2001985-8	ABNL6	08/20/25 13:54
ABNL5	R2001985-7	ABNL5	08/20/25 14:16
ABNL4	R2001985-6	ABNL4	08/20/25 14:38
ABNL3	R2001985-5	ABNL3	08/20/25 15:01
ABNL2	R2001985-4	ABNL2	08/20/25 15:23
ABNL1	R2001985-3	ABNL1	08/20/25 15:45
AP9L9	R2001985-29	AP9L9	08/20/25 16:07
AP9L8	R2001985-28	AP9L8	08/20/25 16:30
AP9L7	R2001985-27	AP9L7	08/20/25 16:52
AP9L6	R2001985-26	AP9L6	08/20/25 17:15
AP9L5	R2001985-25	AP9L5	08/20/25 17:37
AP9L4	R2001985-24	AP9L4	08/20/25 18:00
AP9L3	R2001985-23	AP9L3	08/20/25 18:23
AP9L2	R2001985-22	AP9L2	08/20/25 18:46
AP9L1	R2001985-21	AP9L1	08/20/25 19:09
ABN ICV Quant Report	R2001985-30	ABNICV	08/20/25 19:32
AP9 ICV Quant Rep	R2001985-32	AP9ICV	08/20/25 19:55



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Analysis Date : 08/20/25 20:17
Tune Standard : R2001985-2	Tune File ID : Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.5
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	39.7
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	24.8
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	18.4
442	Base Peak, or >50% of mass 198	70.4
443	15.0 - 24.0% of mass 442	13.3 (18.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R2001985-19	ADPL9	08/20/25 20:40
ADPL8	R2001985-20	ADPL8	08/20/25 21:02
ADPL7	R2001985-18	ADPL7	08/20/25 21:25
ADPL6	R2001985-17	ADPL6	08/20/25 21:49
ADPL5	R2001985-15	ADPL5	08/20/25 22:11
ADPL4	R2001985-16	ADPL4	08/20/25 22:34
ADPL3	R2001985-14	ADPL3	08/20/25 22:57
ADPL2	R2001985-13	ADPL2	08/20/25 23:20
ADPL1	R2001985-12	ADPL1	08/20/25 23:44
ADP ICV Quant Report	R2001985-31	ADPICV	08/21/25 00:07



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Analysis Date : 09/17/25 10:20
Tune Standard : WG2116041-1	Tune File ID : DEG0917_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.5
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.3 (.7)1
127	10.0 - 80.0% of Base Peak	47.1
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	25.8
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than 24% of mass 442	19.3
442	Base Peak, or >50% of mass 198	90.6
443	15.0 - 24.0% of mass 442	17.4 (19.2)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2116041-6TFACTOR-B	WG2116041-6	DEG0917	09/17/25 10:20
WG2116041-7TFACTOR-P	WG2116041-7	DEG0917	09/17/25 10:20
WG2116041-3CCAL	WG2116041-3	ABN0917	09/17/25 10:42
WG2116041-4CCAL	WG2116041-4	AP90917	09/17/25 11:05
WG2116041-5CCAL	WG2116041-5	ADP0917	09/17/25 11:27
5A	L2557076-03	57076-03	09/17/25 16:40
5B	L2557076-04	57076-04	09/17/25 17:02
6A	L2557076-05	57076-05	09/17/25 17:24
6B	L2557076-06	57076-06	09/17/25 17:47
7A	L2557076-07	57076-07	09/17/25 18:09
7B	L2557076-08	57076-08	09/17/25 18:31
10A	L2557076-09	57076-09	09/17/25 18:54
10B	L2557076-10	57076-10	09/17/25 19:16



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Analysis Date : 09/28/25 17:25
Tune Standard : WG2120752-1	Tune File ID : DEG0928_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.4
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.1 (.4)1
127	10.0 - 80.0% of Base Peak	48
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	25.3
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than 24% of mass 442	18.5
442	Base Peak, or >50% of mass 198	90.6
443	15.0 - 24.0% of mass 442	16.9 (18.7)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2120752-6TFACTOR-B	WG2120752-6	DEG0928	09/28/25 17:25
WG2120752-7TFACTOR-P	WG2120752-7	DEG0928	09/28/25 17:25
WG2120752-3CCAL	WG2120752-3	ABN0928A	09/28/25 18:33
WG2120752-4CCAL	WG2120752-4	AP90928A	09/28/25 18:55
WG2120752-5CCAL	WG2120752-5	ADP0928	09/28/25 19:18
WG2120226-2LCS	WG2120226-2	120226-2	09/28/25 22:17
WG2120226-3LCSD	WG2120226-3	120226-3	09/28/25 22:40



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Tune Standard : R2004662-31

Lab Number : L2557076
Project Number : BSD1504
Analysis Date : 08/26/25 18:18
Tune File ID : Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.1
68	Less than 2.0% of mass 69	0.4 (1.2)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	43
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	21.2
365	Greater than 1.0% of mass 198	2
441	Present, but less than 24% of mass 442	91.2
442	Base Peak, or >50% of mass 198	76.2
443	15.0 - 24.0% of mass 442	15 (19.6)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R2004662-9	ABNL9	08/26/25 18:52
ABNL8	R2004662-8	ABNL8	08/26/25 19:16
ABNL7	R2004662-6	ABNL7	08/26/25 19:42
ABNL6	R2004662-7	ABNL6	08/26/25 20:07
ABNL5	R2004662-5	ABNL5	08/26/25 20:32
ABNL4	R2004662-4	ABNL4	08/26/25 20:58
ABNL3	R2004662-3	ABNL3	08/26/25 21:23
ABNL2	R2004662-2	ABNL2	08/26/25 21:48
ABNL1	R2004662-1	ABNL1	08/26/25 22:14
	R2004662-28	ABNICV	08/26/25 22:39



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV107	Analysis Date : 08/26/25 23:05
Tune Standard : R2004662-32	Tune File ID : Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	32.1
68	Less than 2.0% of mass 69	0.6 (1.8)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	41.2
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	21.6
365	Greater than 1.0% of mass 198	2.2
441	Present, but less than 24% of mass 442	93.9
442	Base Peak, or >50% of mass 198	87.9
443	15.0 - 24.0% of mass 442	16.6 (18.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R2004662-18	ADPL9	08/27/25 03:18
ADPL8	R2004662-17	ADPL8	08/27/25 03:43
ADPL7	R2004662-16	ADPL7	08/27/25 04:08
ADPL6	R2004662-15	ADPL6	08/27/25 04:34
ADPL5	R2004662-14	ADPL5	08/27/25 04:59
ADPL4	R2004662-13	ADPL4	08/27/25 05:24
ADPL3	R2004662-12	ADPL3	08/27/25 05:49
ADPL2	R2004662-11	ADPL2	08/27/25 06:15
ADPL1	R2004662-10	ADPL1	08/27/25 06:40
	R2004662-29	ADPICV	08/27/25 07:30



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV107	Analysis Date : 08/27/25 12:52
Tune Standard : R2004662-33	Tune File ID : Tune3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	36.1
68	Less than 2.0% of mass 69	0.6 (1.7)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	44.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	18.3
365	Greater than 1.0% of mass 198	1.6
441	Present, but less than 24% of mass 442	89.8
442	Base Peak, or >50% of mass 198	61.1
443	15.0 - 24.0% of mass 442	12 (19.6)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
AP9L9a	R2004662-27	AP9L9A	08/27/25 13:17
AP9L8a	R2004662-26	AP9L8A	08/27/25 13:42
AP9L7a	R2004662-25	AP9L7A	08/27/25 14:07
AP9L6a	R2004662-24	AP9L6A	08/27/25 14:32
AP9L5a	R2004662-23	AP9L5A	08/27/25 14:57
AP9L4a	R2004662-22	AP9L4A	08/27/25 15:22
AP9L3a	R2004662-21	AP9L3A	08/27/25 15:47
AP9L2a	R2004662-20	AP9L2A	08/27/25 16:12
AP9L1a	R2004662-19	AP9L1A	08/27/25 16:37
AP9 Quant Report	R2004662-30	AP9ICVA	08/27/25 17:02



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV107	Analysis Date : 09/16/25 06:36
Tune Standard : WG2115301-1	Tune File ID : DEG0916_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	37.4
68	Less than 2.0% of mass 69	0.4 (1.1)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	46.6
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	20.7
365	Greater than 1.0% of mass 198	2
441	Present, but less than 24% of mass 442	18.1
442	Base Peak, or >50% of mass 198	78.2
443	15.0 - 24.0% of mass 442	15.5 (19.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2115301-6TFACTOR-B	WG2115301-6	DEG0916	09/16/25 06:36
WG2115301-7TFACTOR-P	WG2115301-7	DEG0916	09/16/25 06:36
WG2115301-3CCAL	WG2115301-3	ABN0916	09/16/25 07:02
WG2115301-5CCAL	WG2115301-5	ADP0916	09/16/25 07:52
WG2115301-4CCAL	WG2115301-4	AP90916A	09/16/25 08:17
WG2115183-1BLANK	WG2115183-1	115183-1	09/16/25 09:57
WG2115183-2LCS	WG2115183-2	115183-2	09/16/25 10:23
WG2115183-3LCSD	WG2115183-3	115183-3	09/16/25 10:48



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV107	Analysis Date : 09/28/25 18:35
Tune Standard : WG2120753-1	Tune File ID : DEG0928_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.5
68	Less than 2.0% of mass 69	0.6 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	47
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	20.1
365	Greater than 1.0% of mass 198	1.9
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	77.5
443	15.0 - 24.0% of mass 442	14.9 (19.2)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2120753-6TFACTOR-B	WG2120753-6	DEG0928	09/28/25 18:35
WG2120753-7TFACTOR-P	WG2120753-7	DEG0928	09/28/25 18:35
WG2120753-3CCAL	WG2120753-3	ABN0928	09/28/25 19:00
WG2120753-4CCAL	WG2120753-4	AP90928	09/28/25 19:25
WG2120753-5CCAL	WG2120753-5	ADP0928	09/28/25 19:50
5A	L2557076-03RE	57076-03	09/29/25 03:24
5B	L2557076-04RE	57076-04	09/29/25 03:49
6A	L2557076-05RE	57076-05	09/29/25 04:15
6B	L2557076-06RE	57076-06	09/29/25 04:40



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV107	Analysis Date : 09/29/25 12:00
Tune Standard : WG2121049-1	Tune File ID : DEG0929_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	39.7
68	Less than 2.0% of mass 69	0.7 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	48.1
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	19.8
365	Greater than 1.0% of mass 198	1.9
441	Present, but less than 24% of mass 442	17.2
442	Base Peak, or >50% of mass 198	76.9
443	15.0 - 24.0% of mass 442	15.2 (19.8)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2121049-6TFACTOR-B	WG2121049-6	DEG0929	09/29/25 12:00
WG2121049-7TFACTOR-P	WG2121049-7	DEG0929	09/29/25 12:00
WG2121049-3CCAL	WG2121049-3	ABN0929	09/29/25 12:24
WG2121049-4CCAL	WG2121049-4	AP90929	09/29/25 12:49
WG2121049-5CCAL	WG2121049-5	ADP0929	09/29/25 13:14
WG2120226-1BLANK	WG2120226-1	20226-1	09/29/25 17:47



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV106	Analysis Date : 08/27/25 19:04
Tune Standard : R2004584-28	Tune File ID : Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.8
68	Less than 2.0% of mass 69	0.4 (1)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	50.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	23.7
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	71.6
443	15.0 - 24.0% of mass 442	13.8 (19.3)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R2004584-9	ABNL9	08/27/25 20:12
ABNL8	R2004584-8	ABNL8	08/27/25 20:33
ABNL7	R2004584-7	ABNL7	08/27/25 21:03
ABNL6	R2004584-6	ABNL6	08/27/25 21:24
ABNL5	R2004584-5	ABNL5	08/27/25 21:46
ABNL4	R2004584-4	ABNL4	08/27/25 22:07
ABNL3	R2004584-3	ABNL3	08/27/25 22:28
ABNL2	R2004584-2	ABNL2	08/27/25 22:50
ABNL1	R2004584-1	ABNL1	08/27/25 23:11
ABN ICV Quant Report	R2004584-30	ABNICV	08/27/25 23:33



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV106	Analysis Date : 08/27/25 23:54
Tune Standard : R2004584-29	Tune File ID : Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	39
68	Less than 2.0% of mass 69	0.7 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	51.4
197	Less than 2.0% of mass 198	0.3
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	22.7
365	Greater than 1.0% of mass 198	2.5
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	62.2
443	15.0 - 24.0% of mass 442	12.4 (19.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
AP9L9	R2004584-27	AP9L9	08/28/25 00:16
AP9L8	R2004584-26	AP9L8	08/28/25 00:37
AP9L7	R2004584-25	AP9L7	08/28/25 00:58
AP9L6	R2004584-23	AP9L6	08/28/25 01:20
AP9L5	R2004584-24	AP9L5	08/28/25 01:41
AP9L4	R2004584-22	AP9L4	08/28/25 02:03
AP9L3	R2004584-21	AP9L3	08/28/25 02:24
AP9L2	R2004584-20	AP9L2	08/28/25 02:45
AP9L1	R2004584-19	AP9L1	08/28/25 03:07
ADPL9	R2004584-18	ADPL9	08/28/25 03:28
ADPL8	R2004584-17	ADPL8	08/28/25 03:50
ADPL7	R2004584-16	ADPL7	08/28/25 04:11
ADPL6	R2004584-15	ADPL6	08/28/25 04:32
ADPL5	R2004584-14	ADPL5	08/28/25 04:54
ADPL4	R2004584-13	ADPL4	08/28/25 05:15
ADPL3	R2004584-12	ADPL3	08/28/25 05:36
ADPL2	R2004584-11	ADPL2	08/28/25 05:58
ADPL1	R2004584-10	ADPL1	08/28/25 06:19
AP9 ICV Quant Rep	R2004584-32	AP9ICV	08/28/25 06:40
ADP ICV Quant Report	R2004584-31	ADPICV	08/28/25 07:02



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV106	Analysis Date : 09/17/25 09:29
Tune Standard : WG2116036-1	Tune File ID : DEG0917_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.2
68	Less than 2.0% of mass 69	0.4 (1)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	50.1
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	24
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	17.1
442	Base Peak, or >50% of mass 198	69.8
443	15.0 - 24.0% of mass 442	13.5 (19.3)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2116036-6TFACTOR-B	WG2116036-6	DEG0917	09/17/25 09:29
WG2116036-7TFACTOR-P	WG2116036-7	DEG0917	09/17/25 09:29
WG2116036-3CCAL	WG2116036-3	ABN0917	09/17/25 09:51
WG2116036-4CCAL	WG2116036-4	AP90917	09/17/25 10:13
WG2116036-5CCAL	WG2116036-5	ADP0917	09/17/25 10:34
WG2115761-1BLANK	WG2115761-1	115766-1	09/17/25 11:15
WG2115761-2LCS	WG2115761-2	115766-2	09/17/25 11:36
WG2115761-3LCSD	WG2115761-3	115766-3	09/17/25 11:57



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV106	Analysis Date : 09/18/25 07:24
Tune Standard : WG2116472-1	Tune File ID : DEG0918_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	36.4
68	Less than 2.0% of mass 69	0.6 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	50
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	23.8
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	16.7
442	Base Peak, or >50% of mass 198	67.3
443	15.0 - 24.0% of mass 442	12.9 (19.1)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2116472-6TFACTOR-B	WG2116472-6	DEG0918	09/18/25 07:24
WG2116472-7TFACTOR-P	WG2116472-7	DEG0918	09/18/25 07:24
WG2116472-3CCAL	WG2116472-3	ABN0918	09/18/25 07:46
WG2116472-4CCAL	WG2116472-4	AP90918	09/18/25 08:07
WG2116472-5CCAL	WG2116472-5	ADP0918	09/18/25 08:29
FIELD BLANK	L2557076-02	57076-02	09/18/25 13:14



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Sample No : WG2115301-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/16/25 07:02:00
 Lab File ID : ABN0916

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2115301-3	69446	6.42	265643	7.85	162020	9.62
Upper Limit	138892	6.92	531286	8.35	324040	10.12
Lower Limit	34723	5.92	132822	7.35	81010	9.12
Sample ID						
WG2115301-5 CCAL	50671	6.42	-	-	112984	9.62
WG2115301-4 CCAL	50979	6.42	192887	7.85	116209	9.62
WG2115183-1 BLANK	55274	6.42	205130	7.85	119766	9.62
WG2115183-2 LCS	52336	6.42	194128	7.85	110329	9.62
WG2115183-3 LCSD	53453	6.42	199374	7.85	112917	9.62

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Sample No : WG2115301-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/16/25 07:02:00
 Lab File ID : ABN0916

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2115301-3	318305	11.06	311596	13.71	302214	15.19
Upper Limit	636610	11.56	623192	14.21	604428	15.69
Lower Limit	159153	10.56	155798	13.21	151107	14.69
Sample ID						
WG2115301-5 CCAL	245041	11.06	-	-	-	-
WG2115301-4 CCAL	242302	11.06	-	-	-	-
WG2115183-1 BLANK	243966	11.06	233832	13.72	229683	15.20
WG2115183-2 LCS	217762	11.06	213103	13.71	229559	15.19
WG2115183-3 LCSD	223625	11.06	189147	13.72	213430	15.20

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Sample No : WG2116036-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/17/25 09:51:00
 Lab File ID : ABN0917

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2116036-3	41772	4.04	164763	5.31	100432	7.04
Upper Limit	83544	4.54	329526	5.81	200864	7.54
Lower Limit	20886	3.54	82382	4.81	50216	6.54
Sample ID						
WG2116036-4 CCAL	37950	4.04	149066	5.31	86354	7.04
WG2116036-5 CCAL	38868	4.04	-	-	87242	7.04
WG2115761-1 BLANK	46062	4.03	180332	5.31	104176	7.04
WG2115761-2 LCS	53122	4.04	206888	5.31	121419	7.04
WG2115761-3 LCSD	51041	4.04	199282	5.31	117614	7.04

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Sample No : WG2116036-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/17/25 09:51:00
 Lab File ID : ABN0917

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2116036-3	194347	8.47	201958	11.08	215767	12.51
Upper Limit	388694	8.97	403916	11.58	431534	13.01
Lower Limit	97174	7.97	100979	10.58	107884	12.01
Sample ID						
WG2116036-4 CCAL	169788	8.47	-	-	-	-
WG2116036-5 CCAL	174483	8.47	-	-	-	-
WG2115761-1 BLANK	215128	8.48	228915	11.09	268403	12.52
WG2115761-2 LCS	243116	8.47	252504	11.08	294847	12.52
WG2115761-3 LCSD	235376	8.47	239977	11.08	283471	12.52

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Sample No : WG2116041-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/17/25 10:42:00
 Lab File ID : ABN0917

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2116041-3	77291	4.25	286017	5.48	210289	7.17
Upper Limit	154582	4.75	572034	5.98	420578	7.67
Lower Limit	38646	3.75	143009	4.98	105145	6.67
Sample ID						
WG2116041-4 CCAL	70892	4.25	260232	5.48	186345	7.17
WG2116041-5 CCAL	72160	4.25	-	-	183938	7.17
5A	89313	4.25	336040	5.48	227275	7.17
5B	85809	4.25	321267	5.48	220500	7.17
6A	85164	4.25	316755	5.48	211882	7.17
6B	87302	4.25	320247	5.48	220345	7.17
7A	84450	4.25	326806	5.48	218427	7.17
7B	84373	4.25	308957	5.48	207014	7.17
10A	86116	4.25	329843	5.48	221948	7.17
10B	90429	4.25	315703	5.48	219856	7.17

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Sample No : WG2116041-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/17/25 10:42:00
 Lab File ID : ABN0917

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2116041-3	470371	8.58	514603	11.15	603185	12.56
Upper Limit	940742	9.08	1029206	11.65	1206370	13.06
Lower Limit	235186	8.08	257302	10.65	301593	12.06
Sample ID						
WG2116041-4 CCAL	430920	8.58	-	-	-	-
WG2116041-5 CCAL	433961	8.58	-	-	-	-
5A	539763	8.58	640023	11.14	765118	12.56
5B	537420	8.58	611780	11.14	715228	12.56
6A	494962	8.58	582935	11.15	690392	12.56
6B	524669	8.58	601577	11.15	707637	12.56
7A	513214	8.58	604925	11.15	711774	12.56
7B	494796	8.58	581545	11.15	686924	12.56
10A	522559	8.58	594924	11.15	702735	12.56
10B	530856	8.58	605136	11.15	707273	12.56

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Sample No : WG2116472-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/18/25 07:46:00
 Lab File ID : ABN0918

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2116472-3	37673	4.03	153730	5.30	97376	7.03
Upper Limit	75346	4.53	307460	5.80	194752	7.53
Lower Limit	18837	3.53	76865	4.80	48688	6.53
Sample ID						
WG2116472-4 CCAL	36883	4.03	146397	5.30	85684	7.03
WG2116472-5 CCAL	39584	4.03	-	-	89364	7.03
FIELD BLANK	38782	4.03	142586	5.30	80501	7.03

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Sample No : WG2116472-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/18/25 07:46:00
 Lab File ID : ABN0918

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2116472-3	191280	8.47	196241	11.07	213896	12.50
Upper Limit	382560	8.97	392482	11.57	427792	13.00
Lower Limit	95640	7.97	98121	10.57	106948	12.00
Sample ID						
WG2116472-4 CCAL	173850	8.47	-	-	-	-
WG2116472-5 CCAL	181181	8.46	-	-	-	-
FIELD BLANK	148454	8.47	152591	11.07	165262	12.50

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Sample No : WG2120745-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/28/25 17:46:00
 Lab File ID : ABN0928

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2120745-3	19896	4.50	75600	5.73	48212	7.42
Upper Limit	39792	5.00	151200	6.23	96424	7.92
Lower Limit	9948	4.00	37800	5.23	24106	6.92
Sample ID						
WG2120745-4 CCAL	20764	4.50	77713	5.73	48169	7.42
WG2120745-5 CCAL	18530	4.50	-	-	41487	7.42
7B	21584	4.50	84848	5.73	54866	7.42
10A	23459	4.50	89312	5.73	57745	7.42

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Sample No : WG2120745-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/28/25 17:46:00
 Lab File ID : ABN0928

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2120745-3	103206	8.84	116026	11.44	125196	12.88
Upper Limit	206412	9.34	232052	11.94	250392	13.38
Lower Limit	51603	8.34	58013	10.94	62598	12.38
Sample ID						
WG2120745-4 CCAL	106426	8.84	-	-	-	-
WG2120745-5 CCAL	92101	8.84	-	-	-	-
7B	139239	8.84	160992	11.43	179920	12.88
10A	138290	8.84	159786	11.43	177253	12.88

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Sample No : WG2120752-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/28/25 18:33:00
 Lab File ID : ABN0928A

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2120752-3	73381	4.16	265715	5.40	194588	7.08
Upper Limit	146762	4.66	531430	5.90	389176	7.58
Lower Limit	36691	3.66	132858	4.90	97294	6.58
Sample ID						
WG2120752-4 CCAL	72611	4.16	268261	5.40	186950	7.08
WG2120752-5 CCAL	63582	4.16	-	-	164851	7.08
WG2120226-2 LCS	79315	4.16	295505	5.40	211487	7.08
WG2120226-3 LCSD	80421	4.16	298045	5.40	214368	7.08

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Sample No : WG2120752-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/28/25 18:33:00
 Lab File ID : ABN0928A

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2120752-3	444443	8.49	511364	11.05	610133	12.45
Upper Limit	888886	8.99	1022728	11.55	1220266	12.95
Lower Limit	222222	7.99	255682	10.55	305067	11.95
Sample ID						
WG2120752-4 CCAL	430393	8.49	-	-	-	-
WG2120752-5 CCAL	396616	8.49	-	-	-	-
WG2120226-2 LCS	505750	8.49	581509	11.05	703980	12.45
WG2120226-3 LCSD	519326	8.49	588464	11.04	714282	12.45

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Sample No : WG2120753-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/28/25 19:00:00
 Lab File ID : ABN0928

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2120753-3	52319	6.31	191529	7.74	112121	9.51
Upper Limit	104638	6.81	383058	8.24	224242	10.01
Lower Limit	26160	5.81	95765	7.24	56061	9.01
Sample ID						
WG2120753-4 CCAL	52161	6.31	190696	7.74	106979	9.51
WG2120753-5 CCAL	47729	6.31	-	-	102007	9.51
5A	57739	6.31	216199	7.74	127025	9.51
5B	56427	6.31	209861	7.74	122419	9.51
6A	58584	6.31	221185	7.74	125626	9.51
6B	57351	6.31	212311	7.74	124927	9.51

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Sample No : WG2120753-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/28/25 19:00:00
 Lab File ID : ABN0928

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2120753-3	201380	10.95	159830	13.58	145781	15.05
Upper Limit	402760	11.45	319660	14.08	291562	15.55
Lower Limit	100690	10.45	79915	13.08	72891	14.55
Sample ID						
WG2120753-4 CCAL	199573	10.95	-	-	-	-
WG2120753-5 CCAL	199559	10.95	-	-	-	-
5A	252275	10.95	194778	13.58	187451	15.04
5B	247032	10.95	192373	13.58	190154	15.04
6A	253910	10.95	198903	13.58	186607	15.04
6B	253209	10.95	196619	13.58	192921	15.04

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Sample No : WG2121049-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/29/25 12:24:00
 Lab File ID : ABN0929

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2121049-3	46264	6.29	171688	7.73	98322	9.50
Upper Limit	92528	6.79	343376	8.23	196644	10.00
Lower Limit	23132	5.79	85844	7.23	49161	9.00
Sample ID						
WG2121049-4 CCAL	49895	6.29	180122	7.73	101971	9.50
WG2121049-5 CCAL	41741	6.29	-	-	89377	9.50
WG2120226-1 BLANK	33300	6.29	123040	7.73	73009	9.50

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Sample No : WG2121049-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/29/25 12:24:00
 Lab File ID : ABN0929

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2121049-3	181787	10.94	160942	13.58	163931	15.04
Upper Limit	363574	11.44	321884	14.08	327862	15.54
Lower Limit	90894	10.44	80471	13.08	81966	14.54
Sample ID						
WG2121049-4 CCAL	188688	10.94	-	-	-	-
WG2121049-5 CCAL	176496	10.94	-	-	-	-
WG2120226-1 BLANK	139004	10.94	131735	13.57	144973	15.04

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits





Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 1

ABN Extractables - EPA 8270E (RVT) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 100ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	2	0.403	ug/l	37-111	30	37-111	30	30			
Benzidine	92-87-5	20	6.01	ug/l	10-75	30	10-75	30	30			
1,2,4-Trichlorobenzene	120-82-1	5	0.977	ug/l	39-98	30	39-98	30	30			
Hexachlorobenzene	118-74-1	2	0.452	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethyl)ether	111-44-4	2	0.392	ug/l	40-140	30	40-140	30	30			
2-Chloronaphthalene	91-58-7	2	0.35	ug/l	40-140	30	40-140	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.329	ug/l	40-140	30	40-140	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.315	ug/l	40-140	30	40-140	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.391	ug/l	36-97	30	36-97	30	30			
3,3'-Dichlorobenzidine	91-94-1	5	1.85	ug/l	40-140	30	40-140	30	30			
2,4-Dinitrotoluene	121-14-2	5	0.541	ug/l	48-143	30	48-143	30	30			
2,6-Dinitrotoluene	606-20-2	5	0.845	ug/l	40-140	30	40-140	30	30			
Azobenzene	122-66-7	2	0.418	ug/l	40-140	30	40-140	30	30			
Fluoranthene	206-44-0	2	0.411	ug/l	40-140	30	40-140	30	30			
4-Chlorophenyl phenyl ether	7005-72-3	2	0.386	ug/l	40-140	30	40-140	30	30			
4-Bromophenyl phenyl ether	101-55-3	2	0.244	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroisopropyl)ether	108-60-1	2	0.403	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethoxy)methane	111-91-1	5	0.842	ug/l	40-140	30	40-140	30	30			
Hexachlorobutadiene	87-68-3	2	0.355	ug/l	40-140	30	40-140	30	30			
Hexachlorocyclopentadiene	77-47-4	20	1.23	ug/l	40-140	30	40-140	30	30			
Hexachloroethane	67-72-1	2	0.203	ug/l	40-140	30	40-140	30	30			
Isophorone	78-59-1	5	0.862	ug/l	40-140	30	40-140	30	30			
Naphthalene	91-20-3	2	0.542	ug/l	40-140	30	40-140	30	30			
Nitrobenzene	98-95-3	2	0.205	ug/l	40-140	30	40-140	30	30			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	2	0.924	ug/l	40-140	30	40-140	30	30			
n-Nitrosodi-n-propylamine	621-64-7	5	0.906	ug/l	29-132	30	29-132	30	30			
Bis(2-Ethylhexyl)phthalate	117-81-7	3	1.42	ug/l	40-140	30	40-140	30	30			
Butyl benzyl phthalate	85-68-7	5	2.61	ug/l	40-140	30	40-140	30	30			
Di-n-butylphthalate	84-74-2	5	0.957	ug/l	40-140	30	40-140	30	30			
Di-n-octylphthalate	117-84-0	5	2.26	ug/l	40-140	30	40-140	30	30			
Diethyl phthalate	84-66-2	5	0.765	ug/l	40-140	30	40-140	30	30			
Dimethyl phthalate	131-11-3	5	0.916	ug/l	40-140	30	40-140	30	30			
Benzo(a)anthracene	56-55-3	2	0.323	ug/l	40-140	30	40-140	30	30			
Benzo(a)pyrene	50-32-8	2	0.368	ug/l	40-140	30	40-140	30	30			
Benzo(b)fluoranthene	205-99-2	2	0.533	ug/l	40-140	30	40-140	30	30			
Benzo(k)fluoranthene	207-08-9	2	0.621	ug/l	40-140	30	40-140	30	30			
Chrysene	218-01-9	2	0.222	ug/l	40-140	30	40-140	30	30			
Acenaphthylene	208-96-8	2	0.315	ug/l	45-123	30	45-123	30	30			
Anthracene	120-12-7	2	0.467	ug/l	40-140	30	40-140	30	30			
Benzo(ghi)perylene	191-24-2	2	0.369	ug/l	40-140	30	40-140	30	30			
Fluorene	86-73-7	2	0.439	ug/l	40-140	30	40-140	30	30			
Phenanthrene	85-01-8	2	0.419	ug/l	40-140	30	40-140	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



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Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 2

ABN Extractables - EPA 8270E (RVT) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 100ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibenzo(a,h)anthracene	53-70-3	2	0.286	ug/l	40-140	30	40-140	30	30			
Indeno(1,2,3-cd)Pyrene	193-39-5	2	0.484	ug/l	40-140	30	40-140	30	30			
Pyrene	129-00-0	2	0.407	ug/l	26-127	30	26-127	30	30			
Biphenyl	92-52-4	2	0.196	ug/l	40-140	30	40-140	30	30			
Aniline	62-53-3	2	0.67	ug/l	40-140	30	40-140	30	30			
4-Chloroaniline	106-47-8	5	0.468	ug/l	40-140	30	40-140	30	30			
1-Methylnaphthalene	90-12-0	2	0.415	ug/l	41-103	30	41-103	30	30			
2-Nitroaniline	88-74-4	5	1.03	ug/l	52-143	30	52-143	30	30			
3-Nitroaniline	99-09-2	5	1.16	ug/l	25-145	30	25-145	30	30			
4-Nitroaniline	100-01-6	5	1.45	ug/l	51-143	30	51-143	30	30			
Dibenzofuran	132-64-9	2	0.401	ug/l	40-140	30	40-140	30	30			
2-Methylnaphthalene	91-57-6	2	0.372	ug/l	40-140	30	40-140	30	30			
n-Nitrosodimethylamine	62-75-9	2	0.44	ug/l	22-74	30	22-74	30	30			
2,4,6-Trichlorophenol	88-06-2	5	2.09	ug/l	30-130	30	30-130	30	30			
P-Chloro-M-Cresol	59-50-7	2	0.606	ug/l	23-97	30	23-97	30	30			
2-Chlorophenol	95-57-8	2	0.653	ug/l	27-123	30	27-123	30	30			
2,4-Dichlorophenol	120-83-2	5	1.7	ug/l	30-130	30	30-130	30	30			
2,4-Dimethylphenol	105-67-9	5	2.04	ug/l	30-130	30	30-130	30	30			
2-Nitrophenol	88-75-5	10	1.95	ug/l	30-130	30	30-130	30	30			
4-Nitrophenol	100-02-7	10	1.42	ug/l	10-80	30	10-80	30	30			
2,4-Dinitrophenol	51-28-5	20	5.42	ug/l	20-130	30	20-130	30	30			
4,6-Dinitro-o-cresol	534-52-1	10	2.31	ug/l	20-164	30	20-164	30	30			
Pentachlorophenol	87-86-5	10	2.51	ug/l	9-103	30	9-103	30	30			
Phenol	108-95-2	5	0.35	ug/l	12-110	30	12-110	30	30			
2-Methylphenol	95-48-7	5	2.31	ug/l	30-130	30	30-130	30	30			
3-Methylphenol/4-Methylphenol	106-44-5	5	1.39	ug/l	30-130	30	30-130	30	30			
2,4,5-Trichlorophenol	95-95-4	5	2.07	ug/l	30-130	30	30-130	30	30			
Benzoic Acid	65-85-0	50	2.62	ug/l	10-164	30	10-164	30	30			
Benzyl Alcohol	100-51-6	2	0.381	ug/l	26-116	30	26-116	30	30			
Carbazole	86-74-8	2	0.309	ug/l	55-144	30	55-144	30	30			
Pyridine	110-86-1	3.5	0.308	ug/l	10-66	30	10-66	30	30			
2-Fluorophenol	367-12-4									21-120		
Phenol-d6	13127-88-3									10-120		
Nitrobenzene-d5	4165-60-0									23-120		
2-Fluorobiphenyl	321-60-8									15-120		
2,4,6-Tribromophenol	118-79-6									10-120		
4-Terphenyl-d14	1718-51-0									41-149		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



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Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-02
Client ID	: FIELD BLANK
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E
Lab File ID	: 57076-02
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 11:40
Date Received : 09/10/25
Date Analyzed : 09/18/25 13:14

Date Extracted : 09/17/25
Dilution Factor : 1
Analyst : SMZ
Instrument ID : SV106
GC Column : RTX5-MS
%Solids : N/A
Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	2.2	5.0	0.96	JB
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-02
 Client ID : FIELD BLANK
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-02
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:40
 Date Received : 09/10/25
 Date Analyzed : 09/18/25 13:14
 Date Extracted : 09/17/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U



Results Summary
Form 1
Semivolatile Organics by GC/MS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-02
Client ID : FIELD BLANK
Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
NY 11953

Sample Matrix : WATER
Analytical Method : 1,8270E
Lab File ID : 57076-02
Sample Amount : 100 ml
Extraction Method : EPA 3510C
Extract Volume : 1000 uL
GPC Cleanup : N

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 11:40
Date Received : 09/10/25
Date Analyzed : 09/18/25 13:14

Date Extracted : 09/17/25
Dilution Factor : 1
Analyst : SMZ
Instrument ID : SV106
GC Column : RTX5-MS
%Solids : N/A
Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-03
 Client ID : 5A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-03
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 16:40
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.5	3.0	1.4	J
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	5.4	5.0	0.96	B
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-03
Client ID	: 5A
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E
Lab File ID	: 57076-03
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 12:20
Date Received	: 09/10/25
Date Analyzed	: 09/17/25 16:40
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: SMZ
Instrument ID	: DAKOTA
GC Column	: RTX5-MS
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2557076-03	Date Collected	: 09/10/25 12:20
Client ID	: 5A	Date Received	: 09/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953	Date Analyzed	: 09/17/25 16:40
Sample Matrix	: WATER	Date Extracted	: 09/16/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 57076-03	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-03RE
 Client ID : 5A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-03
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/29/25 03:24
 Date Extracted : 09/26/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV107
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	3.9	5.0	0.96	JB
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-03RE
 Client ID : 5A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-03
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/29/25 03:24
 Date Extracted : 09/26/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV107
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-04
 Client ID : 5B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-04
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 17:02
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	5.2	5.0	0.96	B
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-04
 Client ID : 5B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-04
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 17:02
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-04RE
 Client ID : 5B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-04
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/29/25 03:49
 Date Extracted : 09/26/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV107
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	3.6	5.0	0.96	JB
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-04RE
 Client ID : 5B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-04
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/29/25 03:49
 Date Extracted : 09/26/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV107
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-05
 Client ID : 6A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-05
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:00
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 17:24
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	5.3	5.0	0.96	B
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-05
 Client ID : 6A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-05
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:00
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 17:24
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-05RE
Client ID	: 6A
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E
Lab File ID	: 57076-05
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 08:00
Date Received : 09/10/25
Date Analyzed : 09/29/25 04:15

Date Extracted : 09/26/25
Dilution Factor : 1
Analyst : SMZ
Instrument ID : SV107
GC Column : RTX5-MS
%Solids : N/A
Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	3.0	5.0	0.96	JB
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-05RE
Client ID : 6A
Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
NY 11953

Sample Matrix : WATER
Analytical Method : 1,8270E
Lab File ID : 57076-05
Sample Amount : 100 ml
Extraction Method : EPA 3510C
Extract Volume : 1000 uL
GPC Cleanup : N

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 08:00
Date Received : 09/10/25
Date Analyzed : 09/29/25 04:15

Date Extracted : 09/26/25
Dilution Factor : 1
Analyst : SMZ
Instrument ID : SV107
GC Column : RTX5-MS
%Solids : N/A
Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2557076-05RE	Date Collected	: 09/10/25 08:00
Client ID	: 6A	Date Received	: 09/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953	Date Analyzed	: 09/29/25 04:15
Sample Matrix	: WATER	Date Extracted	: 09/26/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 57076-05	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV107
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-06
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 17:47
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.5	3.0	1.4	J
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	5.4	5.0	0.96	B
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-06
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 17:47
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06RE
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-06
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/29/25 04:40
 Date Extracted : 09/26/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV107
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	3.4	5.0	0.96	JB
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06RE
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-06
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/29/25 04:40
 Date Extracted : 09/26/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV107
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U



Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-06RE
Client ID	: 6B
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E
Lab File ID	: 57076-06
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 08:25
Date Received : 09/10/25
Date Analyzed : 09/29/25 04:40

Date Extracted : 09/26/25
Dilution Factor : 1
Analyst : SMZ
Instrument ID : SV107
GC Column : RTX5-MS
%Solids : N/A
Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-07
 Client ID : 7A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-07
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:40
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 18:09
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	5.2	5.0	0.96	B
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-07
Client ID	: 7A
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E
Lab File ID	: 57076-07
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 09:40
Date Received	: 09/10/25
Date Analyzed	: 09/17/25 18:09
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: SMZ
Instrument ID	: DAKOTA
GC Column	: RTX5-MS
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U



Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-07
Client ID	: 7A
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E
Lab File ID	: 57076-07
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 09:40
Date Received	: 09/10/25
Date Analyzed	: 09/17/25 18:09
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: SMZ
Instrument ID	: DAKOTA
GC Column	: RTX5-MS
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-08
Client ID	: 7B
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E
Lab File ID	: 57076-08
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 09:35
Date Received	: 09/10/25
Date Analyzed	: 09/17/25 18:31
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: SMZ
Instrument ID	: DAKOTA
GC Column	: RTX5-MS
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.5	3.0	1.4	J
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	6.0	5.0	0.96	B
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-08
Client ID	: 7B
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E
Lab File ID	: 57076-08
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 09:35
Date Received	: 09/10/25
Date Analyzed	: 09/17/25 18:31
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: SMZ
Instrument ID	: DAKOTA
GC Column	: RTX5-MS
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U



Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-08
Client ID	: 7B
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E
Lab File ID	: 57076-08
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 09:35
Date Received	: 09/10/25
Date Analyzed	: 09/17/25 18:31
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: SMZ
Instrument ID	: DAKOTA
GC Column	: RTX5-MS
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08RE
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-08
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/29/25 04:18
 Date Extracted : 09/26/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	4.0	5.0	0.96	JB
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08RE
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-08
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/29/25 04:18
 Date Extracted : 09/26/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-09
 Client ID : 10A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-09
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:05
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 18:54
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	5.7	5.0	0.96	B
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-09
Client ID	: 10A
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E
Lab File ID	: 57076-09
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 11:05
Date Received	: 09/10/25
Date Analyzed	: 09/17/25 18:54
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: SMZ
Instrument ID	: DAKOTA
GC Column	: RTX5-MS
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U



Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-09
Client ID	: 10A
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E
Lab File ID	: 57076-09
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 11:05
Date Received	: 09/10/25
Date Analyzed	: 09/17/25 18:54
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: SMZ
Instrument ID	: DAKOTA
GC Column	: RTX5-MS
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-09RE
 Client ID : 10A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-09
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:05
 Date Received : 09/10/25
 Date Analyzed : 09/29/25 04:41
 Date Extracted : 09/26/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	4.2	5.0	0.96	JB
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-09RE
Client ID	: 10A
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E
Lab File ID	: 57076-09
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 11:05
Date Received	: 09/10/25
Date Analyzed	: 09/29/25 04:41
Date Extracted	: 09/26/25
Dilution Factor	: 1
Analyst	: SMZ
Instrument ID	: SV112
GC Column	: RTX5-MS
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-10
 Client ID : 10B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-10
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 10:55
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 19:16
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	4.6	5.0	0.96	JB
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-10
 Client ID : 10B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
 NY 11953
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 57076-10
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 10:55
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 19:16
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : DAKOTA
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2557076-10	Date Collected	: 09/10/25 10:55
Client ID	: 10B	Date Received	: 09/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953	Date Analyzed	: 09/17/25 19:16
Sample Matrix	: WATER	Date Extracted	: 09/16/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 57076-10	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115183-1
 Client ID : WG2115183-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 115183-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/16/25 09:57
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV107
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	2.0	0.40	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
118-74-1	Hexachlorobenzene	ND	2.0	0.45	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-58-7	2-Chloronaphthalene	ND	2.0	0.35	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
87-68-3	Hexachlorobutadiene	ND	2.0	0.36	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
67-72-1	Hexachloroethane	ND	2.0	0.20	U
78-59-1	Isophorone	ND	5.0	0.86	U
91-20-3	Naphthalene	ND	2.0	0.54	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115183-1
 Client ID : WG2115183-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 115183-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/16/25 09:57
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV107
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.4	3.0	1.4	J
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	5.6	5.0	0.96	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U
92-52-4	Biphenyl	ND	2.0	0.20	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115183-1
 Client ID : WG2115183-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 115183-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/16/25 09:57
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV107
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
91-57-6	2-Methylnaphthalene	ND	2.0	0.37	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
87-86-5	Pentachlorophenol	ND	10	2.5	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115183-1
 Client ID : WG2115183-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 115183-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/16/25 09:57
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV107
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115761-1
 Client ID : WG2115761-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 115766-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/17/25 11:15
 Date Extracted : 09/17/25
 Dilution Factor : 1
 Analyst : ALS
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	2.0	0.40	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
118-74-1	Hexachlorobenzene	ND	2.0	0.45	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-58-7	2-Chloronaphthalene	ND	2.0	0.35	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
87-68-3	Hexachlorobutadiene	ND	2.0	0.36	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
67-72-1	Hexachloroethane	ND	2.0	0.20	U
78-59-1	Isophorone	ND	5.0	0.86	U
91-20-3	Naphthalene	ND	2.0	0.54	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115761-1
 Client ID : WG2115761-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 115766-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/17/25 11:15
 Date Extracted : 09/17/25
 Dilution Factor : 1
 Analyst : ALS
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	5.7	5.0	0.96	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U
92-52-4	Biphenyl	ND	2.0	0.20	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115761-1
 Client ID : WG2115761-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 115766-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/17/25 11:15
 Date Extracted : 09/17/25
 Dilution Factor : 1
 Analyst : ALS
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
91-57-6	2-Methylnaphthalene	ND	2.0	0.37	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
87-86-5	Pentachlorophenol	ND	10	2.5	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115761-1
 Client ID : WG2115761-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 115766-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/17/25 11:15
 Date Extracted : 09/17/25
 Dilution Factor : 1
 Analyst : ALS
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2120226-1
 Client ID : WG2120226-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 20226-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/29/25 17:47
 Date Extracted : 09/26/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV107
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	2.0	0.40	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
118-74-1	Hexachlorobenzene	ND	2.0	0.45	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-58-7	2-Chloronaphthalene	ND	2.0	0.35	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
87-68-3	Hexachlorobutadiene	ND	2.0	0.36	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
67-72-1	Hexachloroethane	ND	2.0	0.20	U
78-59-1	Isophorone	ND	5.0	0.86	U
91-20-3	Naphthalene	ND	2.0	0.54	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2120226-1
 Client ID : WG2120226-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 20226-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/29/25 17:47
 Date Extracted : 09/26/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV107
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	6.0	5.0	0.96	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U
92-52-4	Biphenyl	ND	2.0	0.20	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2120226-1
 Client ID : WG2120226-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 20226-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/29/25 17:47
 Date Extracted : 09/26/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV107
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
91-57-6	2-Methylnaphthalene	ND	2.0	0.37	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
87-86-5	Pentachlorophenol	ND	10	2.5	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2120226-1
 Client ID : WG2120226-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 20226-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/29/25 17:47
 Date Extracted : 09/26/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV107
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-03.D
 Acq On : 17 Sep 2025 4:40 pm
 Operator : Dakota:smz
 Sample : L2557076-03,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 24 18:17:11 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP0917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.245	152	89313	4.000	ug/ml	0.00
Standard Area 1 = 77291			Recovery =	115.55%		
27) IS2_1,4-Dichlorobenzen...	4.245	152	89313	4.000	ug/ml	0.00
Standard Area 3 = 70892			Recovery =	125.98%		
37) IS1_Naphthalene-d8	5.482	136	336040	4.000	ug/ml	0.00
Standard Area 1 = 286017			Recovery =	117.49%		
57) IS2_Naphthalene-d8	5.482	136	336040	4.000	ug/ml	0.00
Standard Area 3 = 260232			Recovery =	129.13%		
65) IS1_Acenaphthene-d10	7.170	164	227275	4.000	ug/ml	0.00
Standard Area 1 = 210289			Recovery =	108.08%		
85) IS2_Acenaphthene-d10	7.170	164	227275	4.000	ug/ml	0.00
Standard Area 3 = 186345			Recovery =	121.96%		
88) IS3_Acenaphthene-d10	7.170	164	227275	4.000	ug/ml	0.00
Standard Area 2 = 183938			Recovery =	123.56%		
90) IS1_Phenanthrene-d10	8.584	188	539763	4.000	ug/ml	0.00
Standard Area 1 = 470371			Recovery =	114.75%		
102) IS3_Phenanthrene-d10	8.584	188	539763	4.000	ug/ml	0.00
Standard Area 2 = 433961			Recovery =	124.38%		
106) IS1_Chrysene-d12	11.142	240	640023	4.000	ug/ml	0.00
Standard Area 1 = 514603			Recovery =	124.37%		
115) IS1_Perylene-d12	12.559	264	765118	4.000	ug/ml	0.00
Standard Area 1 = 603185			Recovery =	126.85%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.958	112	27028	1.374	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	68.70%		
7) Phenol-d6	3.956	99	24026	0.915	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	45.75%		
19) Nitrobenzene-d5	4.795	82	20314	0.814	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	81.40%		
48) 2-Fluorobiphenyl	6.555	172	64326	0.776	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	77.60%		
81) 2,4,6-Tribromophenol	7.928	330	29647	2.274	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	113.70%#		
98) 4-Terphenyl-d14	10.151	244	123043	0.881	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	88.10%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-03.D
 Acq On : 17 Sep 2025 4:40 pm
 Operator : Dakota:smz
 Sample : L2557076-03,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 24 18:17:11 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.	d	
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.	d	
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.	d	
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.	d	
40) 4-Chloroaniline	0.000		0	N.D.	d	
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-03.D
 Acq On : 17 Sep 2025 4:40 pm
 Operator : Dakota:smz
 Sample : L2557076-03,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 24 18:17:11 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77)	4-Nitroaniline	0.000		0		N.D.	
78)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
79)	NDPA/DPA	0.000		0		N.D.	d
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D.	d
94)	Di-n-butylphthalate	9.234	149	75572	0.539	ug/ml	100
99)	Butyl benzyl phthalate	0.000		0		N.D.	d
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	11.298	149	23228	0.251	ug/ml#	89
111)	Di-n-octylphthalate	0.000		0		N.D.	d

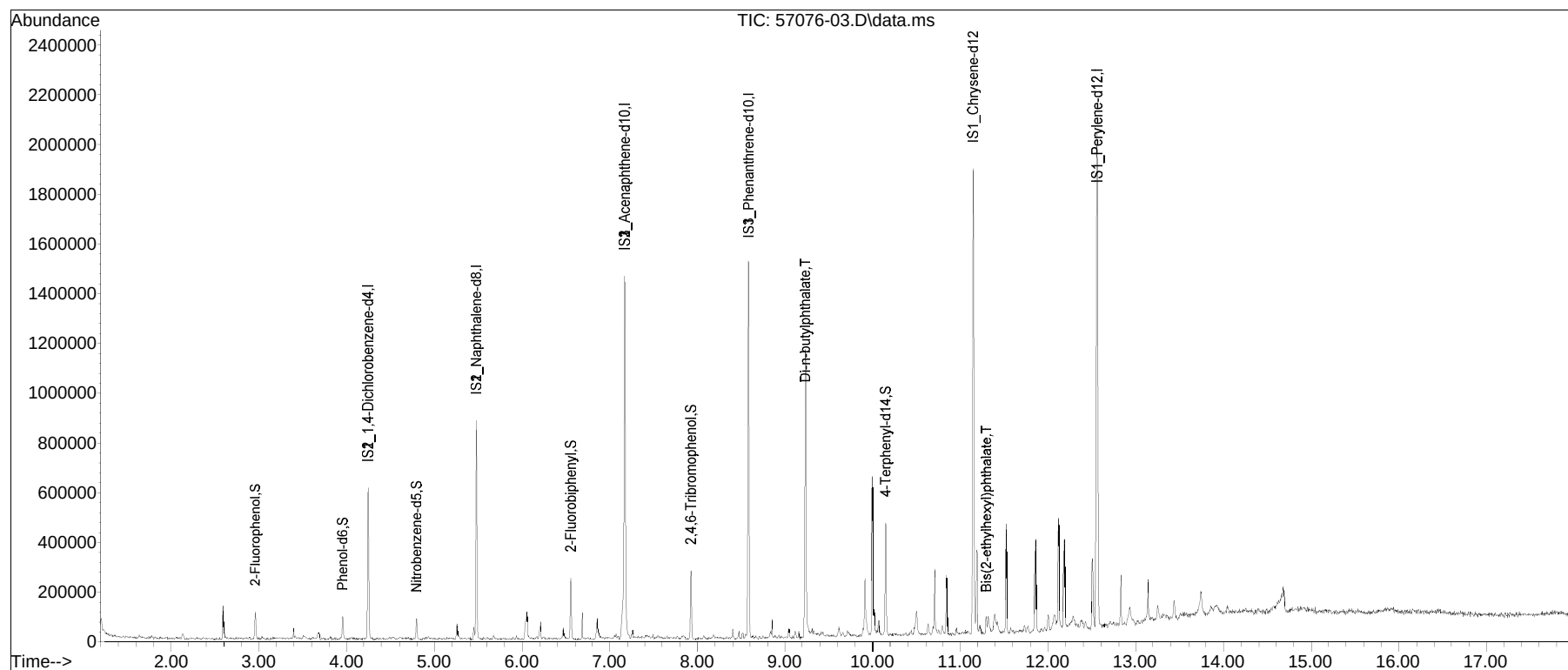
(#) = qualifier out of range (m) = manual integration (+) = signals summed

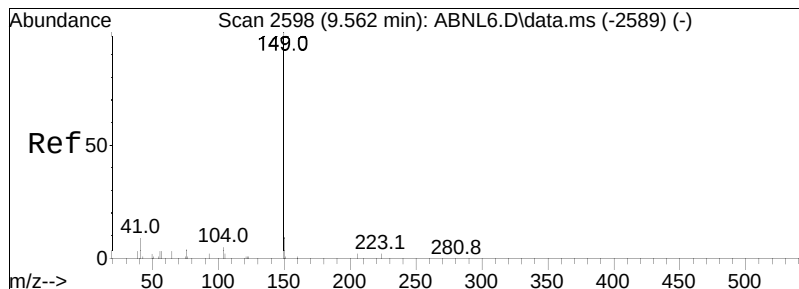
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-03.D
 Acq On : 17 Sep 2025 4:40 pm
 Operator : Dakota:smz
 Sample : L2557076-03,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 24 18:17:11 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

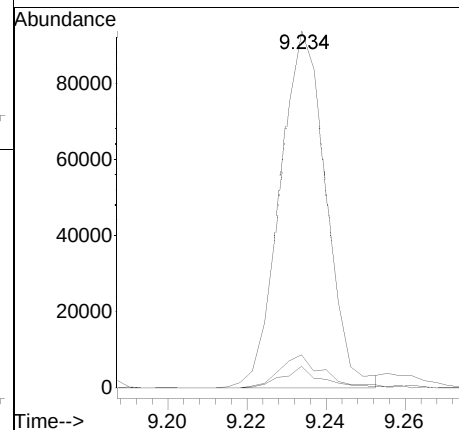
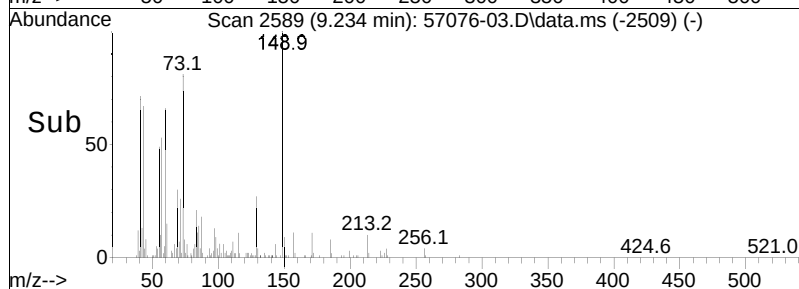
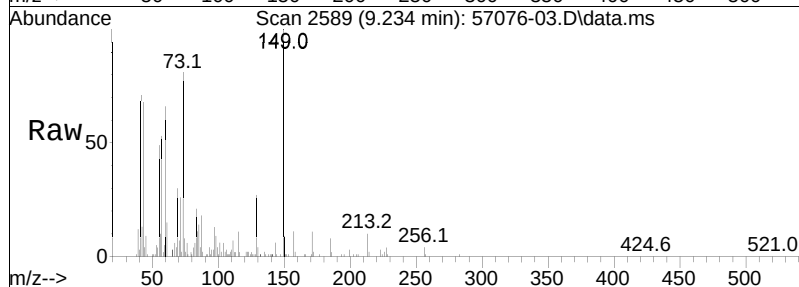
Sub List : 8270IC\82700bDakota\250917RVT\MAP90917.D•

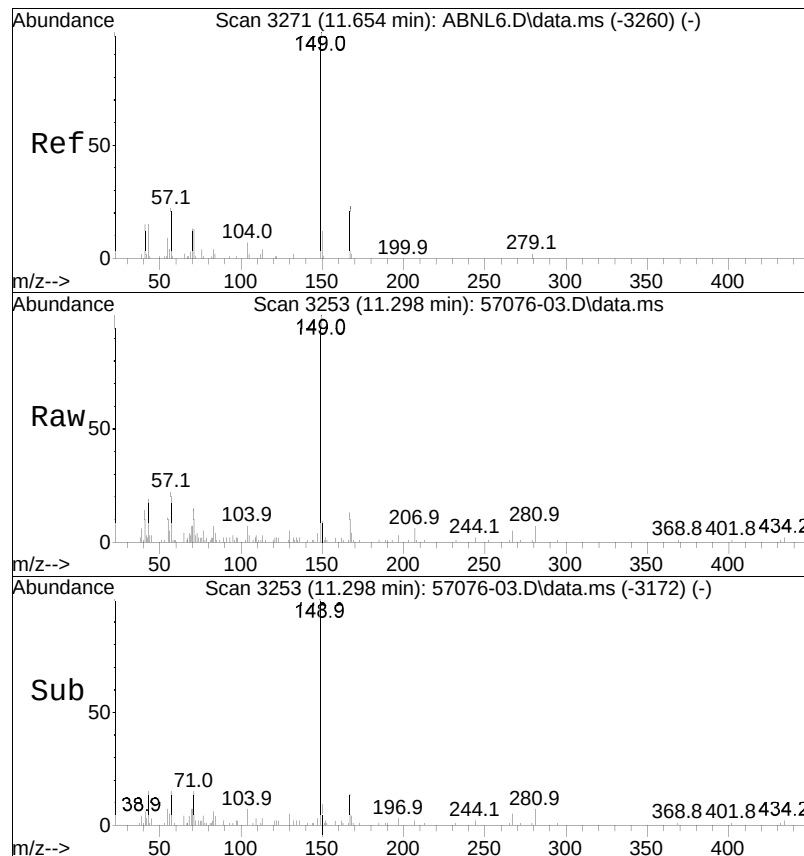




#94
 Di-n-butylphthalate
 Concen: 0.54 ug/ml
 RT: 9.234 min Scan# 2589
 Delta R.T. 0.000 min
 Lab File: 57076-03.D
 Acq: 17 Sep 2025 4:40 pm

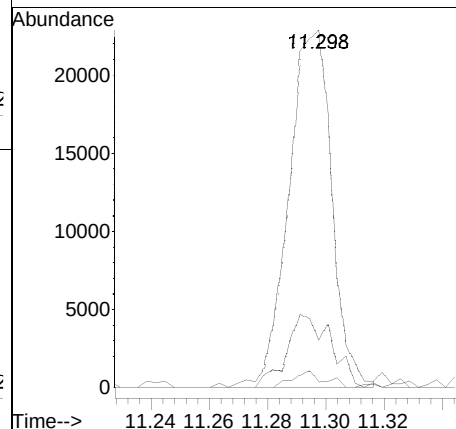
Tgt Ion:	149	Resp:	75572
Ion Ratio	Lower	Upper	
149	100		
150	8.7	7.0	10.6
104	5.4	4.5	6.7





#110
 Bis(2-ethylhexyl)phthalate
 Concen: 0.25 ug/ml
 RT: 11.298 min Scan# 3253
 Delta R.T. 0.003 min
 Lab File: 57076-03.D
 Acq: 17 Sep 2025 4:40 pm

Tgt	Ion:149	Resp:	23228
Ion	Ratio	Lower	Upper
149	100		
167	21.3	22.1	33.1#
279	3.2	3.0	4.4



Manual Integration Report

Data Path	: I:\8270\Dakota\250917RVT\	QMethod	: FS250821RVT_Dakota.m
Data File	: 57076-03.D	Operator	: Dakota:smz
Date Inj'd	: 9/17/2025 4:40 pm	Instrument	: Dakota
Sample	: L2557076-03,32,,gmr	Quant Date	: 9/17/2025 4:58 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-04.D
 Acq On : 17 Sep 2025 5:02 pm
 Operator : Dakota:smz
 Sample : L2557076-04,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 26 12:36:44 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.245	152	85809	4.000	ug/ml	0.00
Standard Area 1 = 77291			Recovery =	111.02%		
27) IS2_1,4-Dichlorobenzen...	4.245	152	85809	4.000	ug/ml	0.00
Standard Area 3 = 70892			Recovery =	121.04%		
37) IS1_Naphthalene-d8	5.482	136	321267	4.000	ug/ml	0.00
Standard Area 1 = 286017			Recovery =	112.32%		
57) IS2_Naphthalene-d8	5.482	136	321267	4.000	ug/ml	0.00
Standard Area 3 = 260232			Recovery =	123.45%		
65) IS1_Acenaphthene-d10	7.170	164	220500	4.000	ug/ml	0.00
Standard Area 1 = 210289			Recovery =	104.86%		
85) IS2_Acenaphthene-d10	7.170	164	220500	4.000	ug/ml	0.00
Standard Area 3 = 186345			Recovery =	118.33%		
88) IS3_Acenaphthene-d10	7.170	164	220500	4.000	ug/ml	0.00
Standard Area 2 = 183938			Recovery =	119.88%		
90) IS1_Phenanthrene-d10	8.581	188	537420	4.000	ug/ml	0.00
Standard Area 1 = 470371			Recovery =	114.25%		
102) IS3_Phenanthrene-d10	8.581	188	537420	4.000	ug/ml	0.00
Standard Area 2 = 433961			Recovery =	123.84%		
106) IS1_Chrysene-d12	11.142	240	611780	4.000	ug/ml	0.00
Standard Area 1 = 514603			Recovery =	118.88%		
115) IS1_Perylene-d12	12.559	264	715228	4.000	ug/ml	0.00
Standard Area 1 = 603185			Recovery =	118.58%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.959	112	25406	1.344	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	67.20%		
7) Phenol-d6	3.953	99	24026	0.953	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	47.65%		
19) Nitrobenzene-d5	4.795	82	19427	0.811	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	81.10%		
48) 2-Fluorobiphenyl	6.555	172	61886	0.780	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	78.00%		
81) 2,4,6-Tribromophenol	7.928	330	27446	2.170	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	108.50%		
98) 4-Terphenyl-d14	10.151	244	118835	0.855	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	85.50%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-04.D
 Acq On : 17 Sep 2025 5:02 pm
 Operator : Dakota:smz
 Sample : L2557076-04,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 26 12:36:44 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.	d	
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.	d	
74) Diethyl phthalate	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-04.D
 Acq On : 17 Sep 2025 5:02 pm
 Operator : Dakota:smz
 Sample : L2557076-04,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 26 12:36:44 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77)	4-Nitroaniline	0.000		0		N.D.	
78)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
79)	NDPA/DPA	0.000		0		N.D.	
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D. d	
94)	Di-n-butylphthalate	9.234	149	72560	0.519	ug/ml	99
99)	Butyl benzyl phthalate	0.000		0		N.D.	
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	11.294	149	11370	0.128	ug/ml#	90
111)	Di-n-octylphthalate	0.000		0		N.D. d	

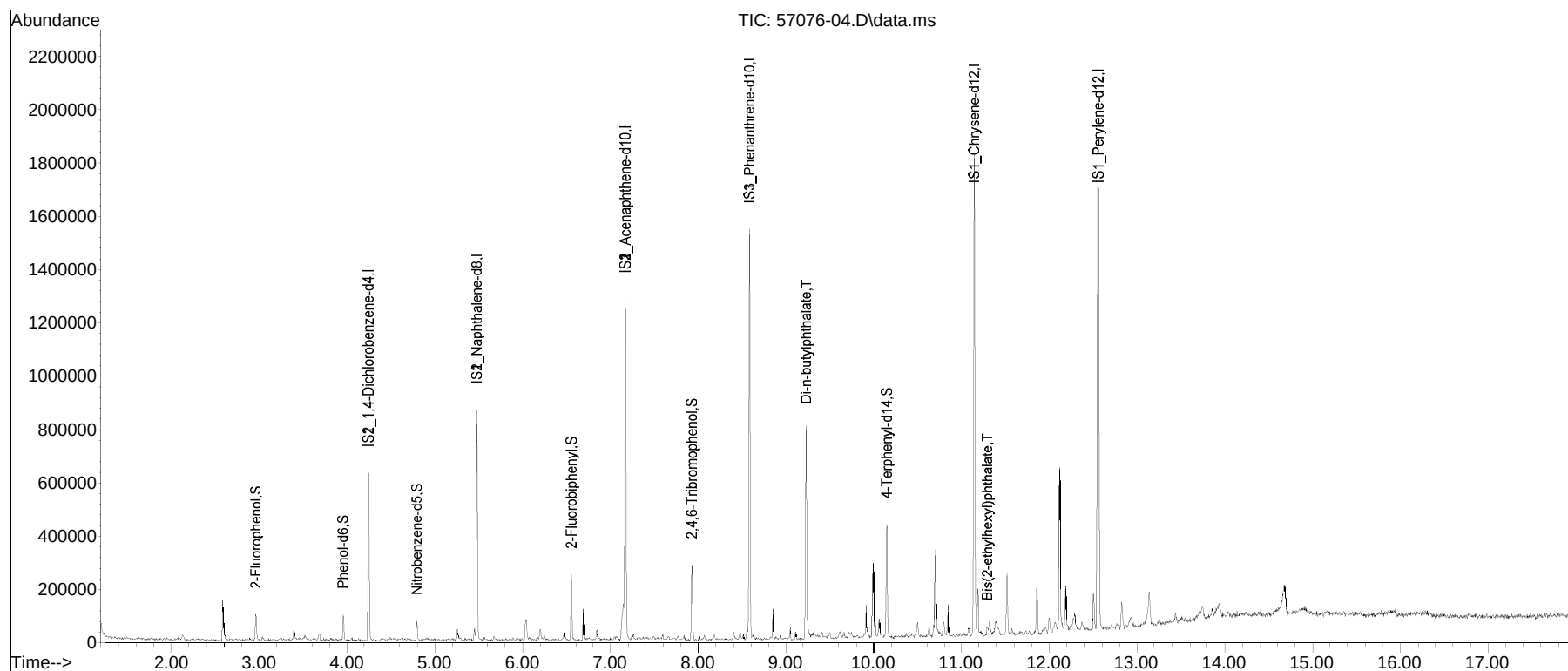
(#) = qualifier out of range (m) = manual integration (+) = signals summed

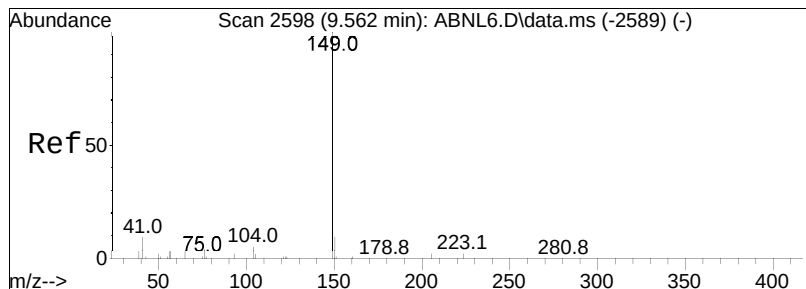
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-04.D
 Acq On : 17 Sep 2025 5:02 pm
 Operator : Dakota:smz
 Sample : L2557076-04,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 26 12:36:44 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

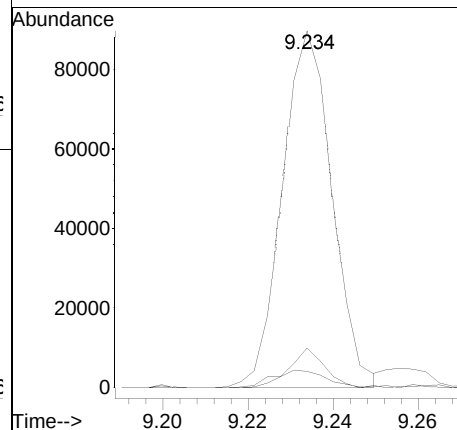
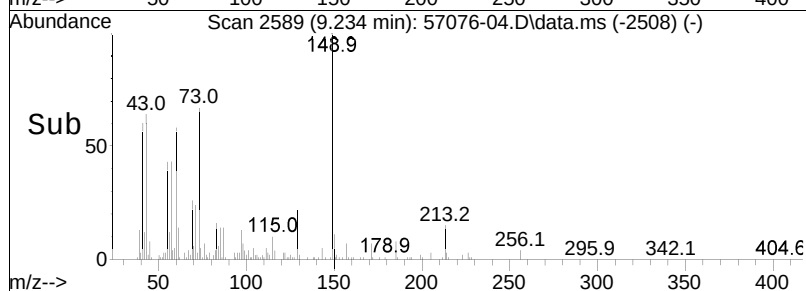
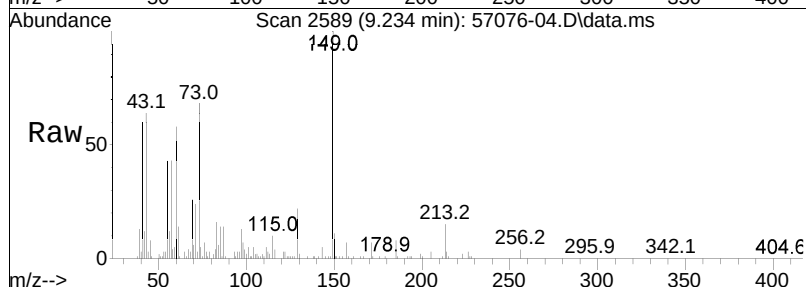
Sub List : 8270IC\8270bDakota\250917RVT\MAP90917.D•

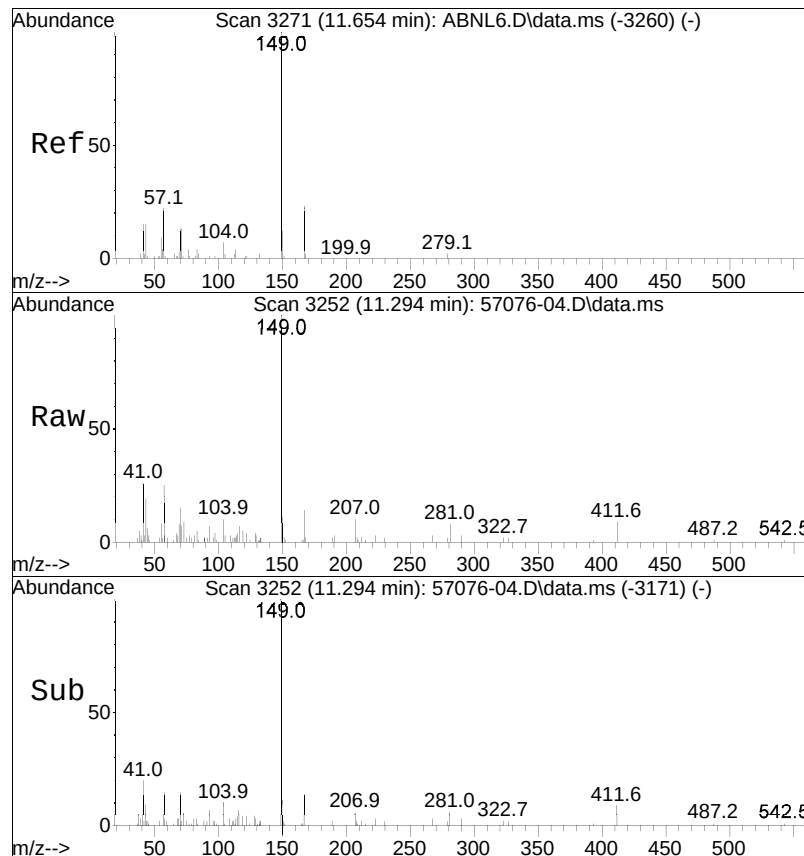




#94
 Di-n-butylphthalate
 Concen: 0.52 ug/ml
 RT: 9.234 min Scan# 2589
 Delta R.T. 0.000 min
 Lab File: 57076-04.D
 Acq: 17 Sep 2025 5:02 pm

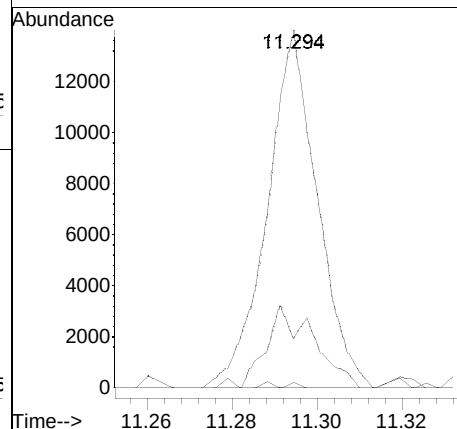
Tgt Ion:	149	Resp:	72560
Ion Ratio	Lower	Upper	
149	100		
150	8.6	7.0	10.6
104	4.8	4.5	6.7





#110
 Bis(2-ethylhexyl)phthalate
 Concen: 0.13 ug/ml
 RT: 11.294 min Scan# 3252
 Delta R.T. 0.000 min
 Lab File: 57076-04.D
 Acq: 17 Sep 2025 5:02 pm

Tgt Ion:	149	Resp:	11370
Ion Ratio	Lower	Upper	
149	100		
167	22.5	22.1	33.1
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\Dakota\250917RVT\	QMethod	: FS250821RVT_Dakota.m
Data File	: 57076-04.D	Operator	: Dakota:smz
Date Inj'd	: 9/17/2025 5:02 pm	Instrument	: Dakota
Sample	: L2557076-04,32,,gmr	Quant Date	: 9/17/2025 5:21 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-05.D
 Acq On : 17 Sep 2025 5:24 pm
 Operator : Dakota:smz
 Sample : L2557076-05,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 12:37:38 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP0917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.245	152	85164	4.000	ug/ml	0.00
Standard Area 1 = 77291			Recovery =	110.19%		
27) IS2_1,4-Dichlorobenzen...	4.245	152	85164	4.000	ug/ml	0.00
Standard Area 3 = 70892			Recovery =	120.13%		
37) IS1_Naphthalene-d8	5.482	136	316755	4.000	ug/ml	0.00
Standard Area 1 = 286017			Recovery =	110.75%		
57) IS2_Naphthalene-d8	5.482	136	316755	4.000	ug/ml	0.00
Standard Area 3 = 260232			Recovery =	121.72%		
65) IS1_Acenaphthene-d10	7.170	164	211882	4.000	ug/ml	0.00
Standard Area 1 = 210289			Recovery =	100.76%		
85) IS2_Acenaphthene-d10	7.170	164	211882	4.000	ug/ml	0.00
Standard Area 3 = 186345			Recovery =	113.70%		
88) IS3_Acenaphthene-d10	7.170	164	211882	4.000	ug/ml	0.00
Standard Area 2 = 183938			Recovery =	115.19%		
90) IS1_Phenanthrene-d10	8.581	188	494962	4.000	ug/ml	0.00
Standard Area 1 = 470371			Recovery =	105.23%		
102) IS3_Phenanthrene-d10	8.581	188	494962	4.000	ug/ml	0.00
Standard Area 2 = 433961			Recovery =	114.06%		
106) IS1_Chrysene-d12	11.145	240	582935	4.000	ug/ml	0.00
Standard Area 1 = 514603			Recovery =	113.28%		
115) IS1_Perylene-d12	12.559	264	690392	4.000	ug/ml	0.00
Standard Area 1 = 603185			Recovery =	114.46%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.955	112	23059	1.229	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	61.45%		
7) Phenol-d6	3.956	99	20997	0.839	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	41.95%		
19) Nitrobenzene-d5	4.799	82	18484	0.777	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	77.70%		
48) 2-Fluorobiphenyl	6.555	172	55251	0.707	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	70.70%		
81) 2,4,6-Tribromophenol	7.928	330	27007	2.222	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	111.10%#		
98) 4-Terphenyl-d14	10.148	244	106902	0.835	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	83.50%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-05.D
 Acq On : 17 Sep 2025 5:24 pm
 Operator : Dakota:smz
 Sample : L2557076-05,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 12:37:38 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.	d	
40) 4-Chloroaniline	0.000		0	N.D.	d	
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.	d	
74) Diethyl phthalate	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-05.D
 Acq On : 17 Sep 2025 5:24 pm
 Operator : Dakota:smz
 Sample : L2557076-05,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 12:37:38 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77)	4-Nitroaniline	0.000		0		N.D.	
78)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
79)	NDPA/DPA	0.000		0		N.D. d	
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D. d	
94)	Di-n-butylphthalate	9.234	149	68445	0.532	ug/ml	97
99)	Butyl benzyl phthalate	0.000		0		N.D. d	
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	11.294	149	10239	0.121	ug/ml#	97
111)	Di-n-octylphthalate	0.000		0		N.D. d	

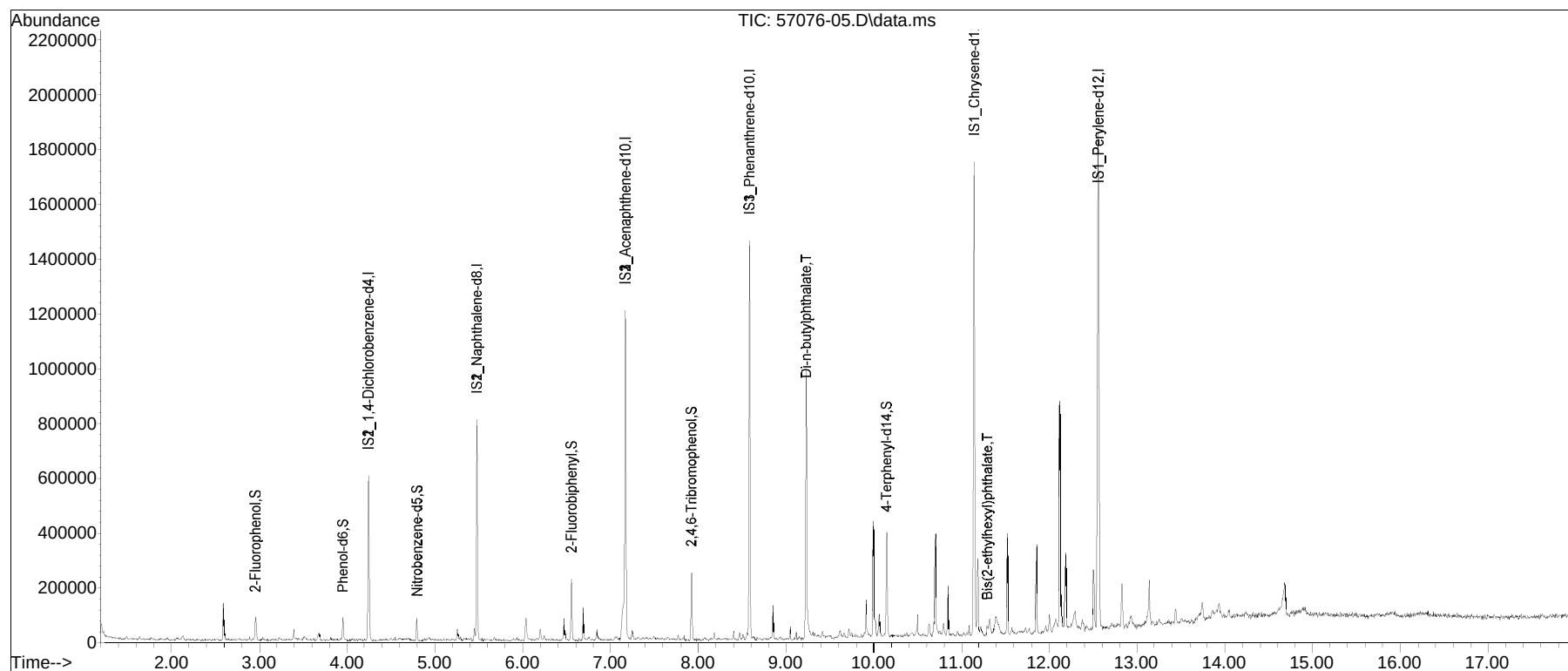
(#) = qualifier out of range (m) = manual integration (+) = signals summed

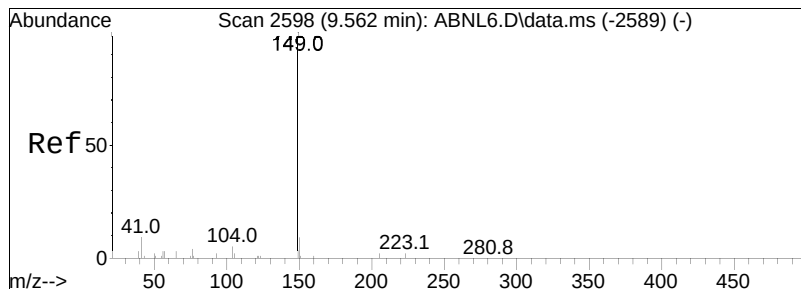
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-05.D
 Acq On : 17 Sep 2025 5:24 pm
 Operator : Dakota:smz
 Sample : L2557076-05,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 26 12:37:38 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

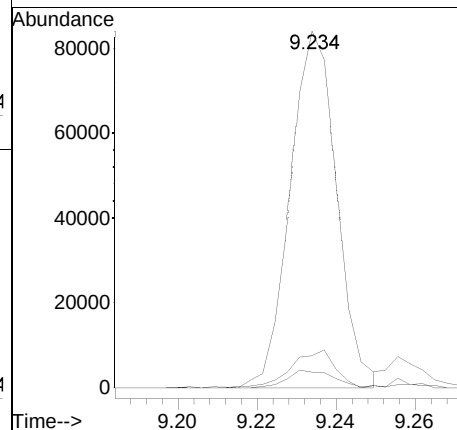
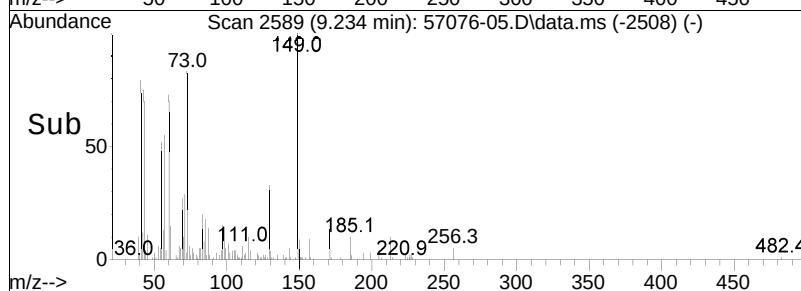
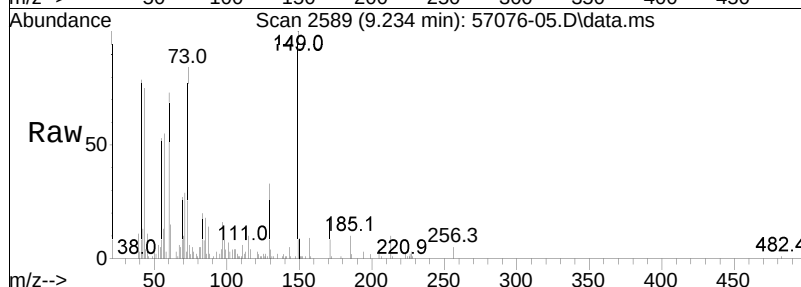
Sub List : 8270IC\82700b\DAKOTA\250917RVT\MAP90917.D•

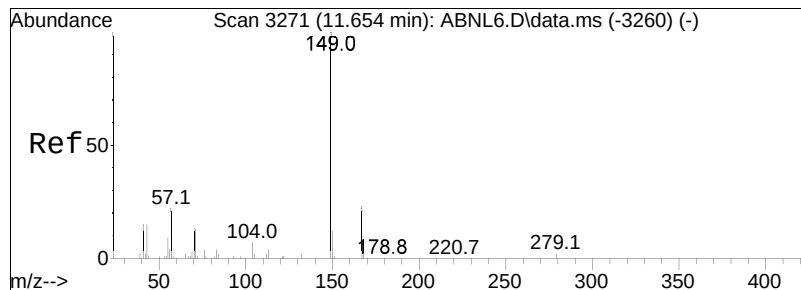




#94
 Di-n-butylphthalate
 Concen: 0.53 ug/ml
 RT: 9.234 min Scan# 2589
 Delta R.T. 0.000 min
 Lab File: 57076-05.D
 Acq: 17 Sep 2025 5:24 pm

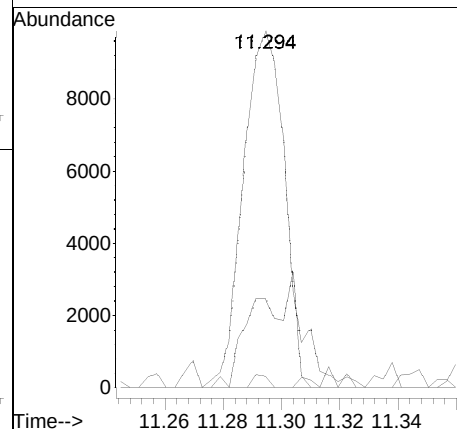
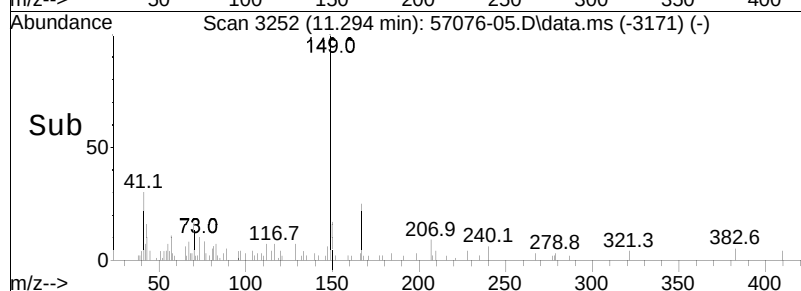
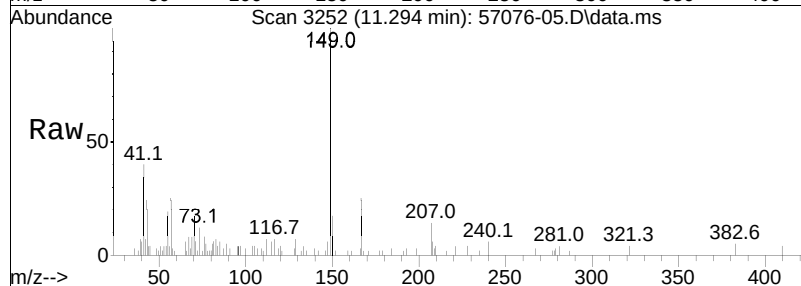
Tgt Ion:	149	Resp:	68445
Ion Ratio	Lower	Upper	
149	100		
150	10.0	7.0	10.6
104	5.2	4.5	6.7





#110
 Bis(2-ethylhexyl)phthalate
 Concen: 0.12 ug/ml
 RT: 11.294 min Scan# 3252
 Delta R.T. 0.000 min
 Lab File: 57076-05.D
 Acq: 17 Sep 2025 5:24 pm

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.1	33.1
279	0.0	3.0	4.4



Manual Integration Report

Data Path	: I:\8270\Dakota\250917RVT\	QMethod	: FS250821RVT_Dakota.m
Data File	: 57076-05.D	Operator	: Dakota:smz
Date Inj'd	: 9/17/2025 5:24 pm	Instrument	: Dakota
Sample	: L2557076-05,32,,gmr	Quant Date	: 9/17/2025 5:43 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-06.D
 Acq On : 17 Sep 2025 5:47 pm
 Operator : Dakota:smz
 Sample : L2557076-06,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 12:38:15 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP0917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.245	152	87302	4.000	ug/ml	0.00
Standard Area 1 = 77291			Recovery =	112.95%		
27) IS2_1,4-Dichlorobenzen...	4.245	152	87302	4.000	ug/ml	0.00
Standard Area 3 = 70892			Recovery =	123.15%		
37) IS1_Naphthalene-d8	5.482	136	320247	4.000	ug/ml	0.00
Standard Area 1 = 286017			Recovery =	111.97%		
57) IS2_Naphthalene-d8	5.482	136	320247	4.000	ug/ml	0.00
Standard Area 3 = 260232			Recovery =	123.06%		
65) IS1_Acenaphthene-d10	7.170	164	220345	4.000	ug/ml	0.00
Standard Area 1 = 210289			Recovery =	104.78%		
85) IS2_Acenaphthene-d10	7.170	164	220345	4.000	ug/ml	0.00
Standard Area 3 = 186345			Recovery =	118.25%		
88) IS3_Acenaphthene-d10	7.170	164	220345	4.000	ug/ml	0.00
Standard Area 2 = 183938			Recovery =	119.79%		
90) IS1_Phenanthrene-d10	8.581	188	524669	4.000	ug/ml	0.00
Standard Area 1 = 470371			Recovery =	111.54%		
102) IS3_Phenanthrene-d10	8.581	188	524669	4.000	ug/ml	0.00
Standard Area 2 = 433961			Recovery =	120.90%		
106) IS1_Chrysene-d12	11.145	240	601577	4.000	ug/ml	0.00
Standard Area 1 = 514603			Recovery =	116.90%		
115) IS1_Perylene-d12	12.559	264	707637	4.000	ug/ml	0.00
Standard Area 1 = 603185			Recovery =	117.32%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.955	112	21955	1.142	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	57.10%		
7) Phenol-d6	3.953	99	22900	0.893	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	44.65%		
19) Nitrobenzene-d5	4.795	82	18955	0.778	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	77.80%		
48) 2-Fluorobiphenyl	6.555	172	61424	0.777	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	77.70%		
81) 2,4,6-Tribromophenol	7.925	330	28294	2.239	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	111.95%#		
98) 4-Terphenyl-d14	10.151	244	124744	0.919	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	91.90%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-06.D
 Acq On : 17 Sep 2025 5:47 pm
 Operator : Dakota:smz
 Sample : L2557076-06,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 12:38:15 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.	d	
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.	d	
40) 4-Chloroaniline	0.000		0	N.D.	d	
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.	d	
74) Diethyl phthalate	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-06.D
 Acq On : 17 Sep 2025 5:47 pm
 Operator : Dakota:smz
 Sample : L2557076-06,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 12:38:15 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77)	4-Nitroaniline	0.000		0		N.D.	
78)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
79)	NDPA/DPA	0.000		0		N.D. d	
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D. d	
94)	Di-n-butylphthalate	9.234	149	73310	0.537	ug/ml	99
99)	Butyl benzyl phthalate	0.000		0		N.D. d	
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	11.291	149	12939	0.149	ug/ml#	86
111)	Di-n-octylphthalate	0.000		0		N.D. d	

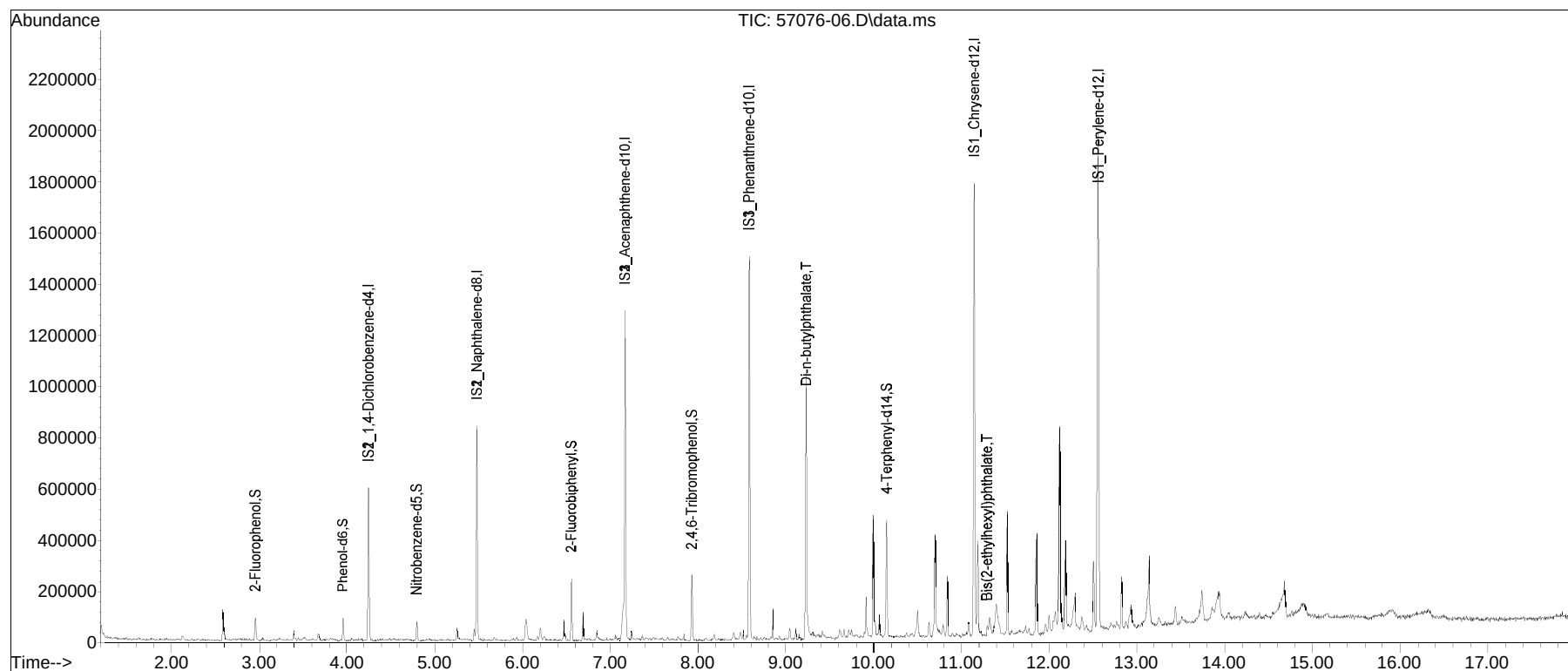
(#) = qualifier out of range (m) = manual integration (+) = signals summed

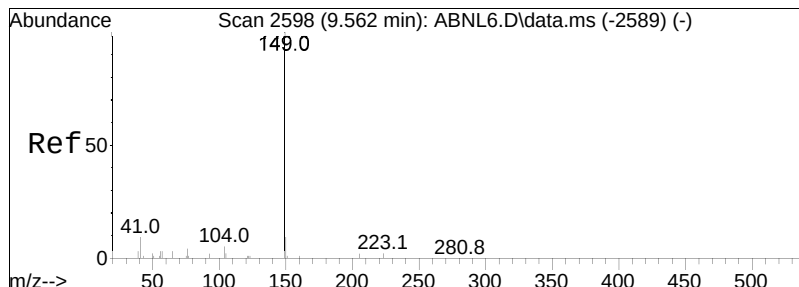
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-06.D
 Acq On : 17 Sep 2025 5:47 pm
 Operator : Dakota:smz
 Sample : L2557076-06,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 26 12:38:15 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

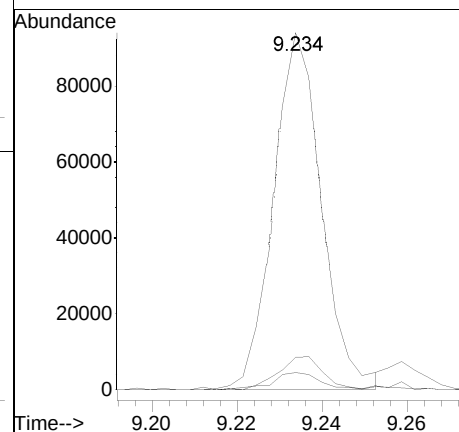
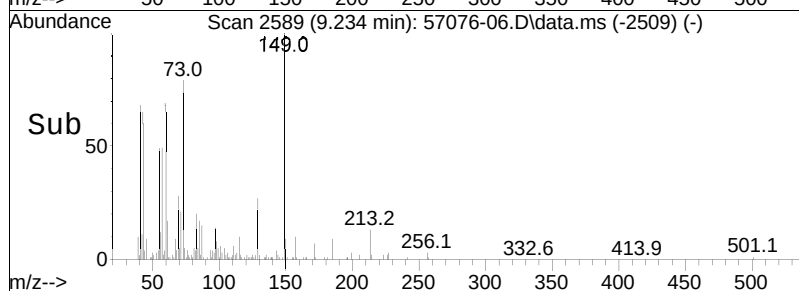
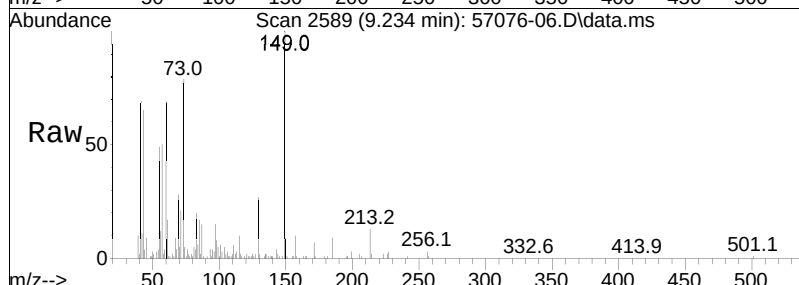
Sub List : 8270IC\82700bDakota\250917RVT\MAP90917.D•

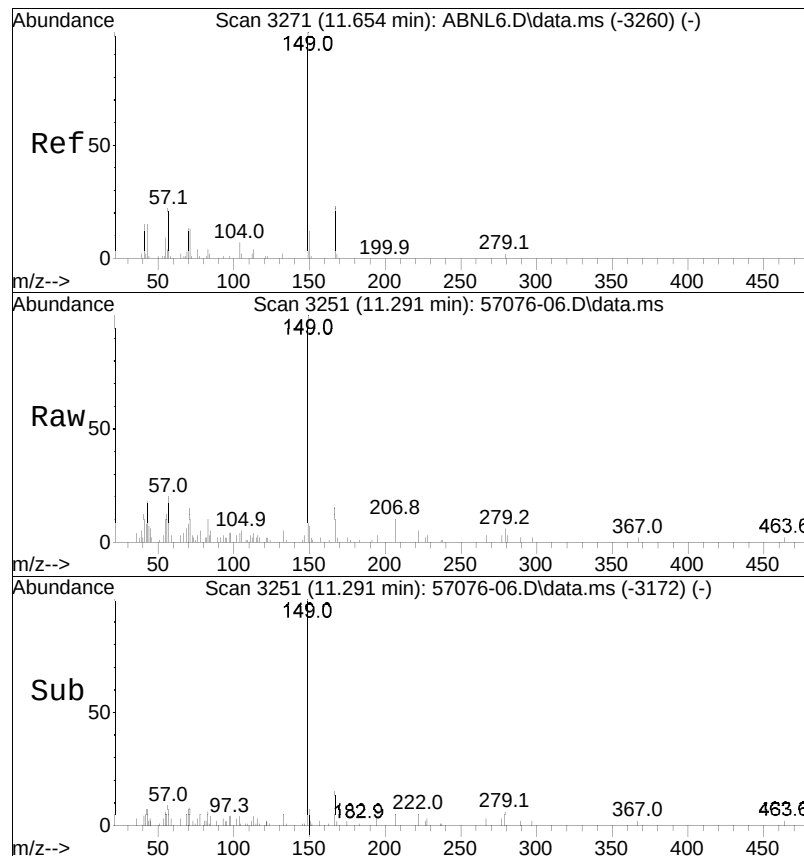




#94
 Di-n-butylphthalate
 Concen: 0.54 ug/ml
 RT: 9.234 min Scan# 2589
 Delta R.T. 0.000 min
 Lab File: 57076-06.D
 Acq: 17 Sep 2025 5:47 pm

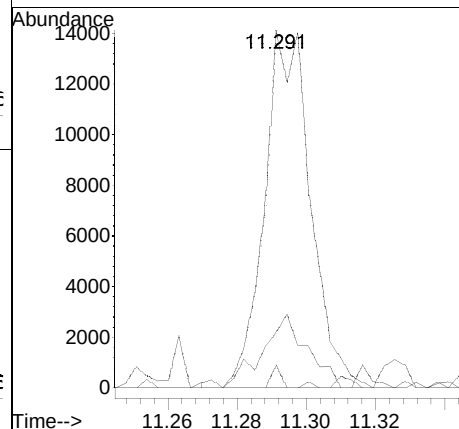
Tgt Ion:	149	Resp:	73310
Ion Ratio	Lower	Upper	
149	100		
150	8.7	7.0	10.6
104	4.8	4.5	6.7





#110
 Bis(2-ethylhexyl)phthalate
 Concen: 0.15 ug/ml
 RT: 11.291 min Scan# 3251
 Delta R.T. -0.003 min
 Lab File: 57076-06.D
 Acq: 17 Sep 2025 5:47 pm

Tgt Ion:	149	Resp:	12939
Ion Ratio	Lower	Upper	
149	100		
167	20.1	22.1	33.1#
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\Dakota\250917RVT\	QMethod	: FS250821RVT_Dakota.m
Data File	: 57076-06.D	Operator	: Dakota:smz
Date Inj'd	: 9/17/2025 5:47 pm	Instrument	: Dakota
Sample	: L2557076-06,32,,gmr	Quant Date	: 9/17/2025 6:05 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-07.D
 Acq On : 17 Sep 2025 6:09 pm
 Operator : Dakota:smz
 Sample : L2557076-07,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 26 12:38:53 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP0917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.245	152	84450	4.000	ug/ml	0.00
Standard Area 1 = 77291			Recovery =	109.26%		
27) IS2_1,4-Dichlorobenzen...	4.245	152	84450	4.000	ug/ml	0.00
Standard Area 3 = 70892			Recovery =	119.12%		
37) IS1_Naphthalene-d8	5.482	136	326806	4.000	ug/ml	0.00
Standard Area 1 = 286017			Recovery =	114.26%		
57) IS2_Naphthalene-d8	5.482	136	326806	4.000	ug/ml	0.00
Standard Area 3 = 260232			Recovery =	125.58%		
65) IS1_Acenaphthene-d10	7.170	164	218427	4.000	ug/ml	0.00
Standard Area 1 = 210289			Recovery =	103.87%		
85) IS2_Acenaphthene-d10	7.170	164	218427	4.000	ug/ml	0.00
Standard Area 3 = 186345			Recovery =	117.22%		
88) IS3_Acenaphthene-d10	7.170	164	218427	4.000	ug/ml	0.00
Standard Area 2 = 183938			Recovery =	118.75%		
90) IS1_Phenanthrene-d10	8.581	188	513214	4.000	ug/ml	0.00
Standard Area 1 = 470371			Recovery =	109.11%		
102) IS3_Phenanthrene-d10	8.581	188	513214	4.000	ug/ml	0.00
Standard Area 2 = 433961			Recovery =	118.26%		
106) IS1_Chrysene-d12	11.145	240	604925	4.000	ug/ml	0.00
Standard Area 1 = 514603			Recovery =	117.55%		
115) IS1_Perylene-d12	12.559	264	711774	4.000	ug/ml	0.00
Standard Area 1 = 603185			Recovery =	118.00%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.958	112	24172	1.299	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	64.95%		
7) Phenol-d6	3.956	99	22442	0.904	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	45.20%		
19) Nitrobenzene-d5	4.795	82	20138	0.854	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	85.40%		
48) 2-Fluorobiphenyl	6.555	172	60243	0.747	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	74.70%		
81) 2,4,6-Tribromophenol	7.928	330	27797	2.219	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	110.95%#		
98) 4-Terphenyl-d14	10.151	244	116585	0.878	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	87.80%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-07.D
 Acq On : 17 Sep 2025 6:09 pm
 Operator : Dakota:smz
 Sample : L2557076-07,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 26 12:38:53 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.	d	
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.	d	
40) 4-Chloroaniline	0.000		0	N.D.	d	
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.	d	
74) Diethyl phthalate	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-07.D
 Acq On : 17 Sep 2025 6:09 pm
 Operator : Dakota:smz
 Sample : L2557076-07,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 26 12:38:53 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77)	4-Nitroaniline	0.000		0		N.D.	
78)	4,6-Dinitro-o-cresol	0.000		0		N.D.	d
79)	NDPA/DPA	0.000		0		N.D.	
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D.	d
94)	Di-n-butylphthalate	9.234	149	69018	0.517	ug/ml	98
99)	Butyl benzyl phthalate	0.000		0		N.D.	d
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	11.291	149	8803	0.101	ug/ml#	91
111)	Di-n-octylphthalate	0.000		0		N.D.	d

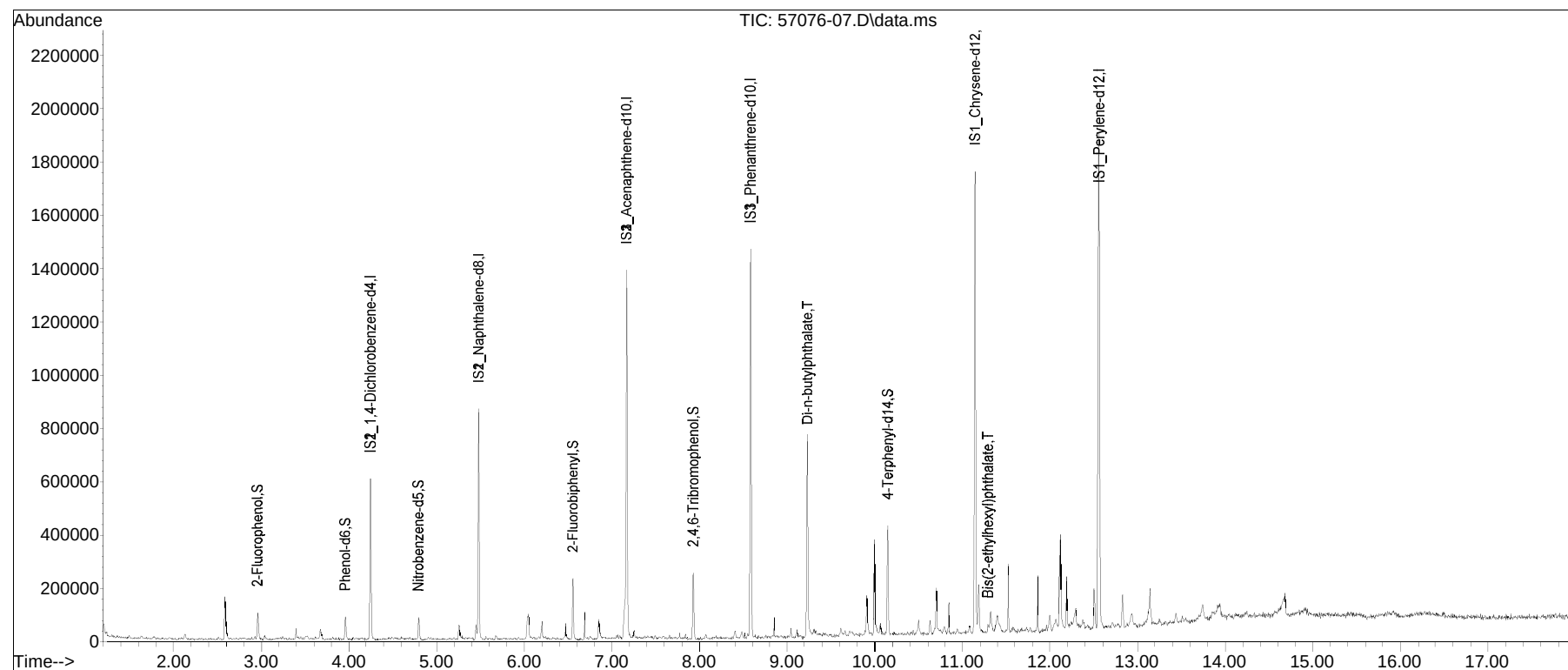
(#) = qualifier out of range (m) = manual integration (+) = signals summed

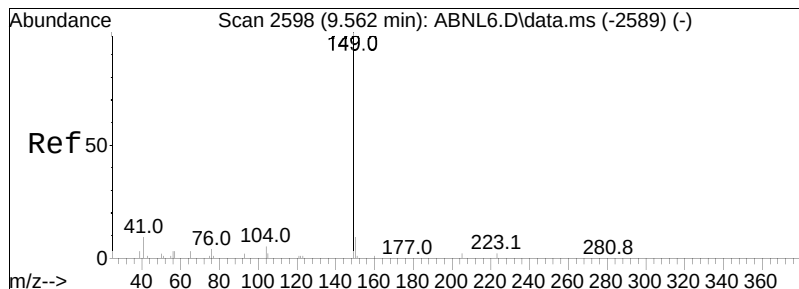
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-07.D
 Acq On : 17 Sep 2025 6:09 pm
 Operator : Dakota:smz
 Sample : L2557076-07,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 26 12:38:53 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

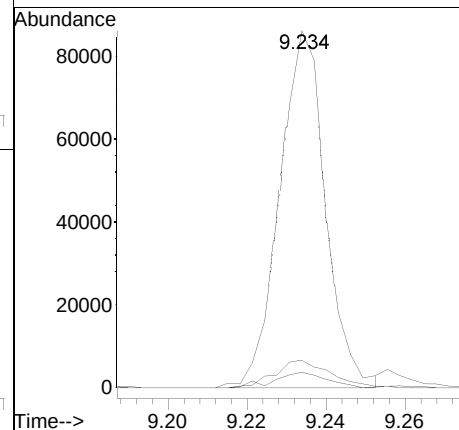
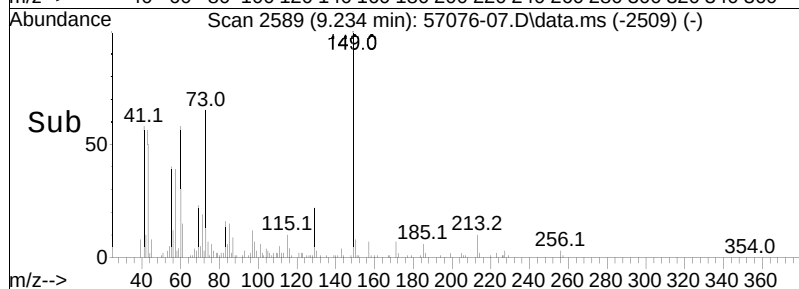
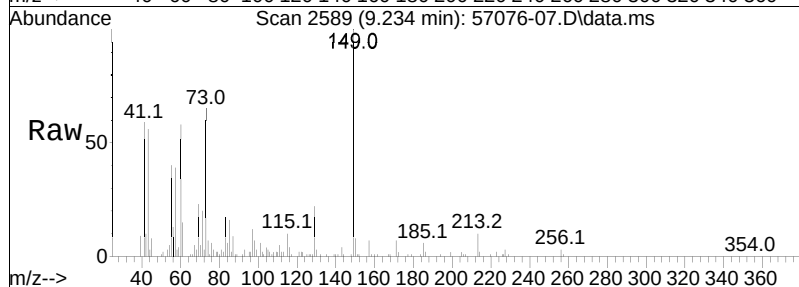
Sub List : 8270IC\8270bDaR5V1\250917RVTMAP90917.D•

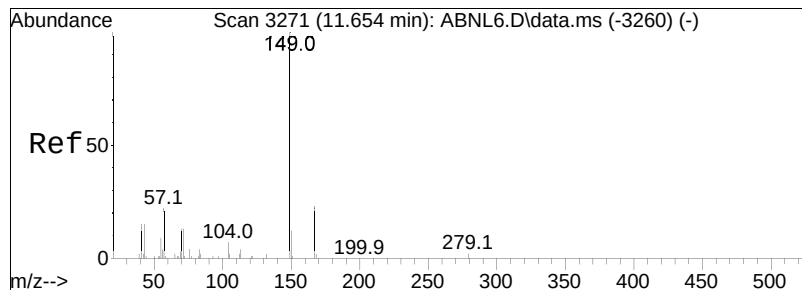




#94
 Di-n-butylphthalate
 Concen: 0.52 ug/ml
 RT: 9.234 min Scan# 2589
 Delta R.T. 0.000 min
 Lab File: 57076-07.D
 Acq: 17 Sep 2025 6:09 pm

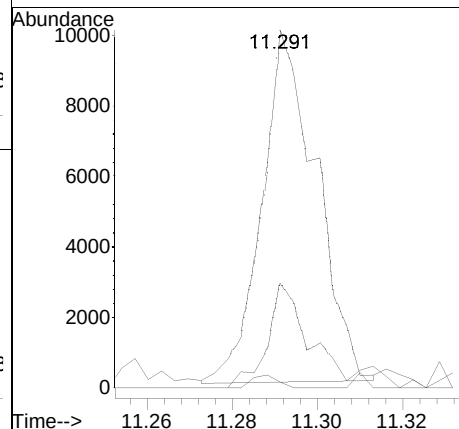
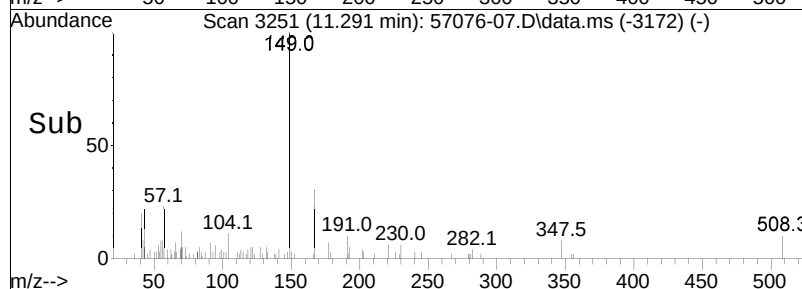
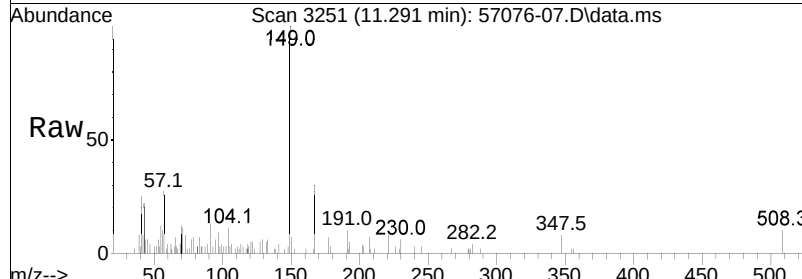
Tgt Ion:	149	Resp:	69018
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.0	10.6
104	5.0	4.5	6.7





#110
 Bis(2-ethylhexyl)phthalate
 Concen: 0.10 ug/ml
 RT: 11.291 min Scan# 3251
 Delta R.T. -0.003 min
 Lab File: 57076-07.D
 Acq: 17 Sep 2025 6:09 pm

Tgt Ion	Ratio	Lower	Upper
149	100		
167	22.8	22.1	33.1
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\Dakota\250917RVT\	QMethod	: FS250821RVT_Dakota.m
Data File	: 57076-07.D	Operator	: Dakota:smz
Date Inj'd	: 9/17/2025 6:09 pm	Instrument	: Dakota
Sample	: L2557076-07,32,,gmr	Quant Date	: 9/17/2025 6:27 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-08.D
 Acq On : 17 Sep 2025 6:31 pm
 Operator : Dakota:smz
 Sample : L2557076-08,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 26 12:39:31 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP0917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.245	152	84373	4.000	ug/ml	0.00
Standard Area 1 = 77291			Recovery =	109.16%		
27) IS2_1,4-Dichlorobenzen...	4.245	152	84373	4.000	ug/ml	0.00
Standard Area 3 = 70892			Recovery =	119.02%		
37) IS1_Naphthalene-d8	5.482	136	308957	4.000	ug/ml	0.00
Standard Area 1 = 286017			Recovery =	108.02%		
57) IS2_Naphthalene-d8	5.482	136	308957	4.000	ug/ml	0.00
Standard Area 3 = 260232			Recovery =	118.72%		
65) IS1_Acenaphthene-d10	7.170	164	207014	4.000	ug/ml	0.00
Standard Area 1 = 210289			Recovery =	98.44%		
85) IS2_Acenaphthene-d10	7.170	164	207014	4.000	ug/ml	0.00
Standard Area 3 = 186345			Recovery =	111.09%		
88) IS3_Acenaphthene-d10	7.170	164	207014	4.000	ug/ml	0.00
Standard Area 2 = 183938			Recovery =	112.55%		
90) IS1_Phenanthrene-d10	8.581	188	494796	4.000	ug/ml	0.00
Standard Area 1 = 470371			Recovery =	105.19%		
102) IS3_Phenanthrene-d10	8.581	188	494796	4.000	ug/ml	0.00
Standard Area 2 = 433961			Recovery =	114.02%		
106) IS1_Chrysene-d12	11.145	240	581545	4.000	ug/ml	# 0.00
Standard Area 1 = 514603			Recovery =	113.01%		
115) IS1_Perylene-d12	12.559	264	686924	4.000	ug/ml	0.00
Standard Area 1 = 603185			Recovery =	113.88%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.958	112	25700	1.383	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	69.15%		
7) Phenol-d6	3.956	99	23042	0.929	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	46.45%		
19) Nitrobenzene-d5	4.795	82	21042	0.893	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	89.30%		
48) 2-Fluorobiphenyl	6.554	172	60997	0.800	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	80.00%		
81) 2,4,6-Tribromophenol	7.925	330	28040	2.362	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	118.10%#		
98) 4-Terphenyl-d14	10.151	244	117541	0.918	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	91.80%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-08.D
 Acq On : 17 Sep 2025 6:31 pm
 Operator : Dakota:smz
 Sample : L2557076-08,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 26 12:39:31 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.	d	
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.	d	
40) 4-Chloroaniline	0.000		0	N.D.	d	
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-08.D
 Acq On : 17 Sep 2025 6:31 pm
 Operator : Dakota:smz
 Sample : L2557076-08,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 26 12:39:31 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77)	4-Nitroaniline	0.000		0		N.D.	
78)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
79)	NDPA/DPA	0.000		0		N.D. d	
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D. d	
94)	Di-n-butylphthalate	9.234	149	76579	0.595	ug/ml	97
99)	Butyl benzyl phthalate	0.000		0		N.D. d	
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	11.294	149	12464	0.148	ug/ml#	94
111)	Di-n-octylphthalate	0.000		0		N.D. d	

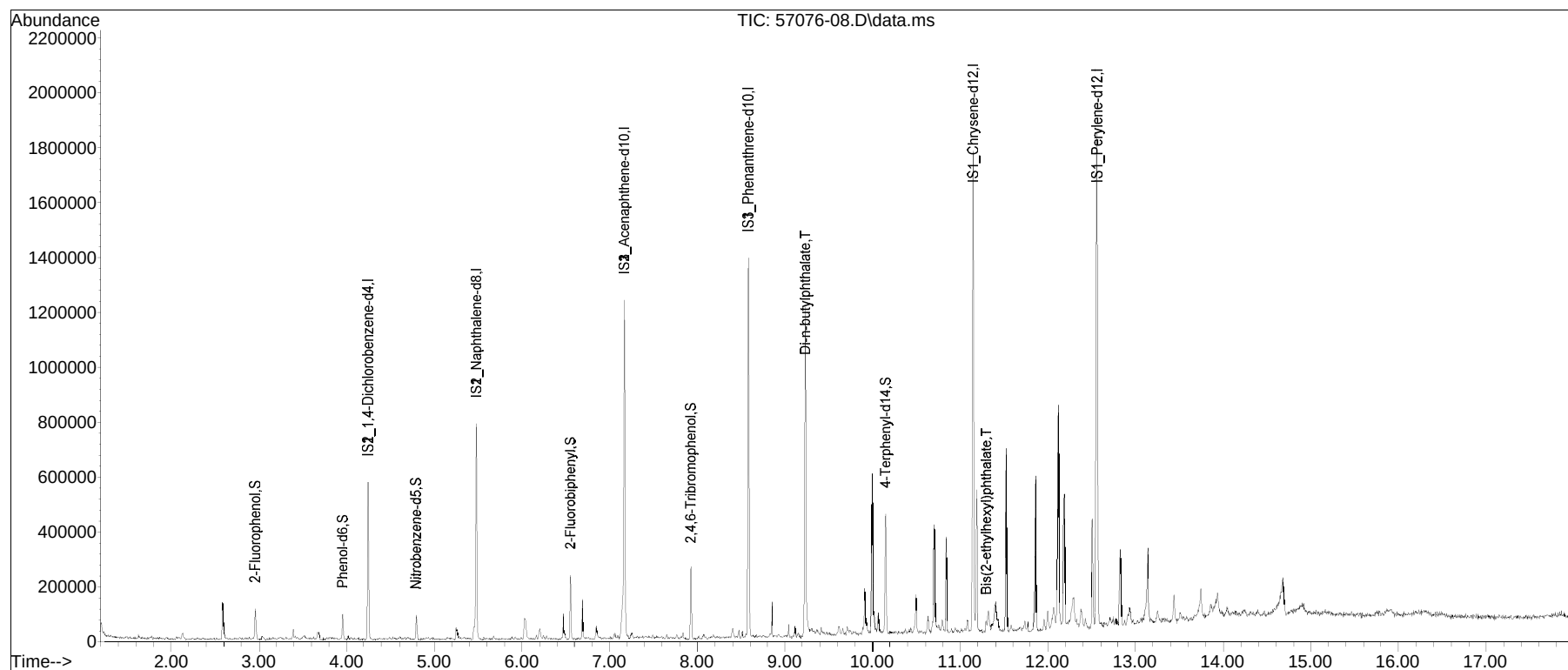
(#) = qualifier out of range (m) = manual integration (+) = signals summed

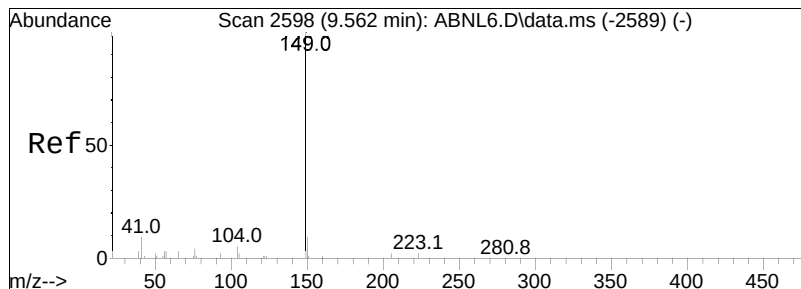
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-08.D
 Acq On : 17 Sep 2025 6:31 pm
 Operator : Dakota:smz
 Sample : L2557076-08,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 26 12:39:31 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

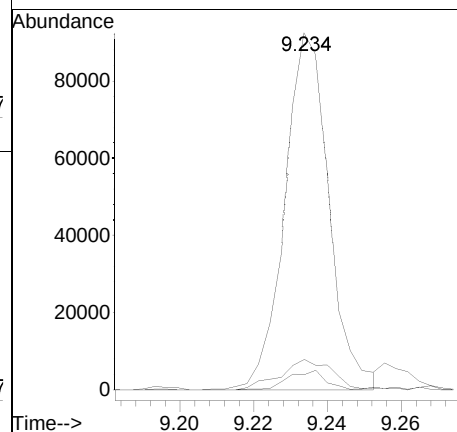
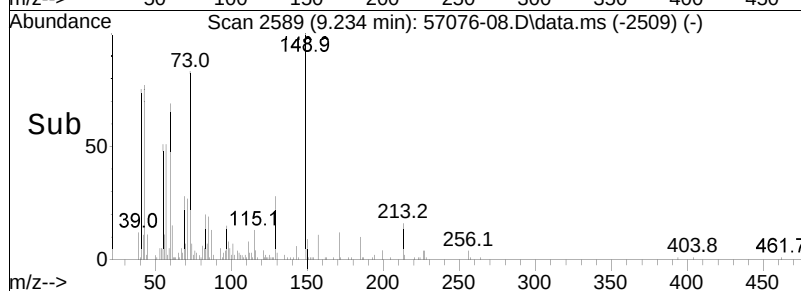
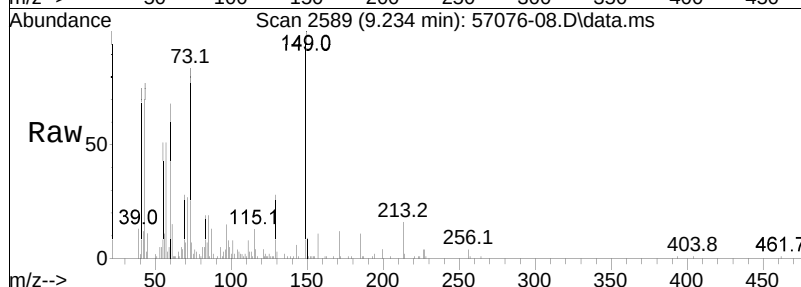
Sub List : 8270IC\8270bDaR5V1\250917RVT\MAP90917.D•

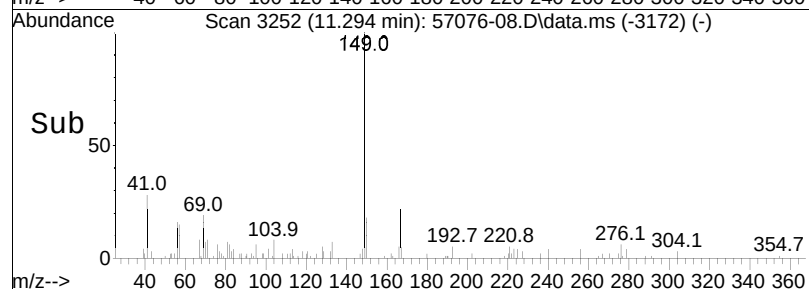
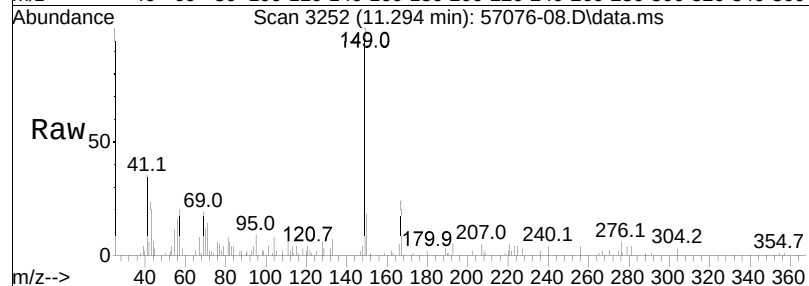
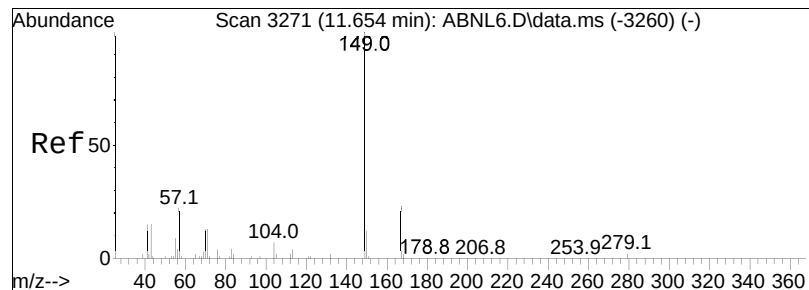




#94
 Di-n-butylphthalate
 Concen: 0.60 ug/ml
 RT: 9.234 min Scan# 2589
 Delta R.T. 0.000 min
 Lab File: 57076-08.D
 Acq: 17 Sep 2025 6:31 pm

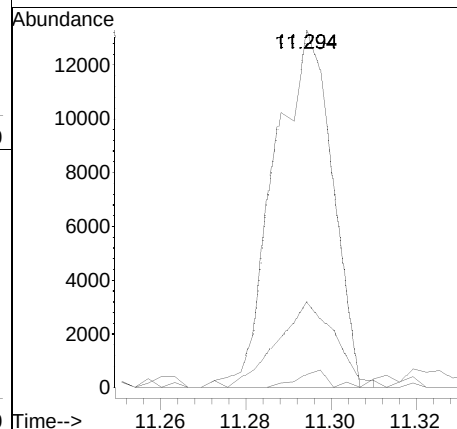
Tgt Ion:	149	Resp:	76579
Ion Ratio	Lower	Upper	
149	100		
150	10.1	7.0	10.6
104	4.7	4.5	6.7





#110
 Bis(2-ethylhexyl)phthalate
 Concen: 0.15 ug/ml
 RT: 11.294 min Scan# 3252
 Delta R.T. 0.000 min
 Lab File: 57076-08.D
 Acq: 17 Sep 2025 6:31 pm

Tgt Ion:	149	Resp:	12464
Ion Ratio	Lower	Upper	
149	100		
167	24.6	22.1	33.1
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\Dakota\250917RVT\	QMethod	: FS250821RVT_Dakota.m
Data File	: 57076-08.D	Operator	: Dakota:smz
Date Inj'd	: 9/17/2025 6:31 pm	Instrument	: Dakota
Sample	: L2557076-08,32,,gmr	Quant Date	: 9/17/2025 6:50 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-09.D
 Acq On : 17 Sep 2025 6:54 pm
 Operator : Dakota:smz
 Sample : L2557076-09,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 26 12:40:13 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP0917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.245	152	86116	4.000	ug/ml	0.00
Standard Area 1 = 77291			Recovery =	111.42%		
27) IS2_1,4-Dichlorobenzen...	4.245	152	86116	4.000	ug/ml	0.00
Standard Area 3 = 70892			Recovery =	121.47%		
37) IS1_Naphthalene-d8	5.482	136	329843	4.000	ug/ml	0.00
Standard Area 1 = 286017			Recovery =	115.32%		
57) IS2_Naphthalene-d8	5.482	136	329843	4.000	ug/ml	0.00
Standard Area 3 = 260232			Recovery =	126.75%		
65) IS1_Acenaphthene-d10	7.170	164	221948	4.000	ug/ml	0.00
Standard Area 1 = 210289			Recovery =	105.54%		
85) IS2_Acenaphthene-d10	7.170	164	221948	4.000	ug/ml	0.00
Standard Area 3 = 186345			Recovery =	119.11%		
88) IS3_Acenaphthene-d10	7.170	164	221948	4.000	ug/ml	0.00
Standard Area 2 = 183938			Recovery =	120.66%		
90) IS1_Phenanthrene-d10	8.581	188	522559	4.000	ug/ml	0.00
Standard Area 1 = 470371			Recovery =	111.10%		
102) IS3_Phenanthrene-d10	8.581	188	522559	4.000	ug/ml	0.00
Standard Area 2 = 433961			Recovery =	120.42%		
106) IS1_Chrysene-d12	11.145	240	594924	4.000	ug/ml	0.00
Standard Area 1 = 514603			Recovery =	115.61%		
115) IS1_Perylene-d12	12.559	264	702735	4.000	ug/ml	0.00
Standard Area 1 = 603185			Recovery =	116.50%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.959	112	24164	1.274	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	63.70%		
7) Phenol-d6	3.956	99	22237	0.879	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	43.95%		
19) Nitrobenzene-d5	4.795	82	19995	0.831	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	83.10%		
48) 2-Fluorobiphenyl	6.555	172	61680	0.758	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	75.80%		
81) 2,4,6-Tribromophenol	7.928	330	27853	2.188	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	109.40%		
98) 4-Terphenyl-d14	10.151	244	116381	0.861	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	86.10%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-09.D
 Acq On : 17 Sep 2025 6:54 pm
 Operator : Dakota:smz
 Sample : L2557076-09,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 26 12:40:13 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.	d	
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.	d	
40) 4-Chloroaniline	0.000		0	N.D.	d	
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.	d	
74) Diethyl phthalate	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-09.D
 Acq On : 17 Sep 2025 6:54 pm
 Operator : Dakota:smz
 Sample : L2557076-09,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 26 12:40:13 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77)	4-Nitroaniline	0.000		0		N.D.	
78)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
79)	NDPA/DPA	0.000		0		N.D. d	
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D. d	
94)	Di-n-butylphthalate	9.234	149	77546	0.571	ug/ml	98
99)	Butyl benzyl phthalate	0.000		0		N.D.	
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	11.291	149	10327	0.120	ug/ml#	92
111)	Di-n-octylphthalate	0.000		0		N.D. d	

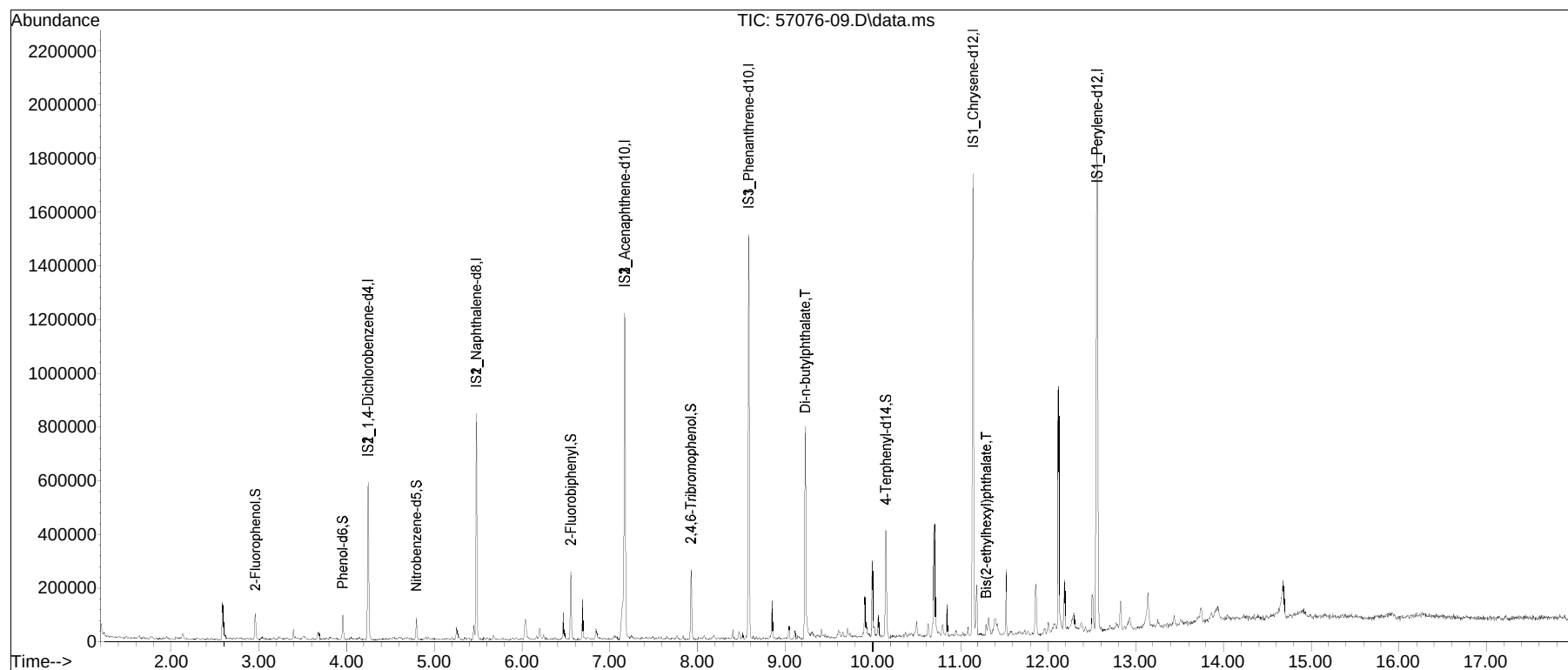
(#) = qualifier out of range (m) = manual integration (+) = signals summed

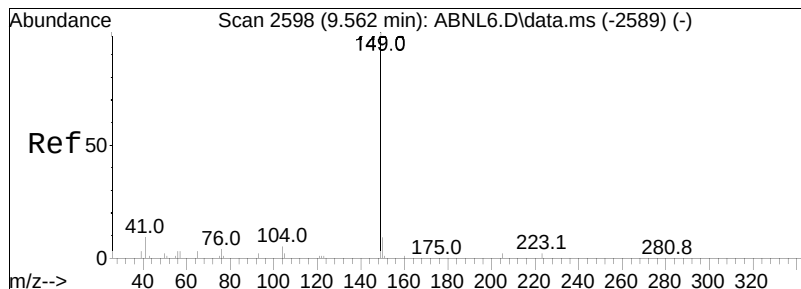
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-09.D
 Acq On : 17 Sep 2025 6:54 pm
 Operator : Dakota:smz
 Sample : L2557076-09,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 26 12:40:13 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

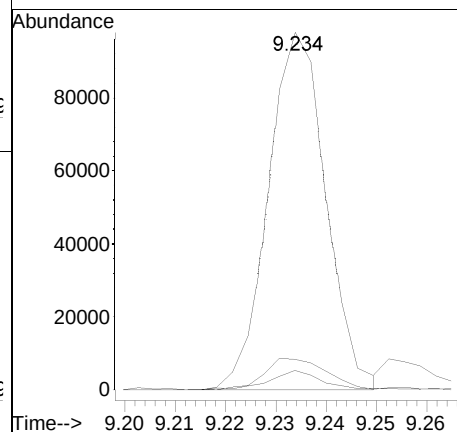
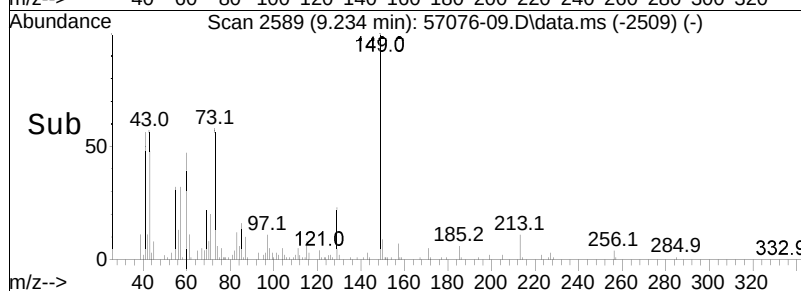
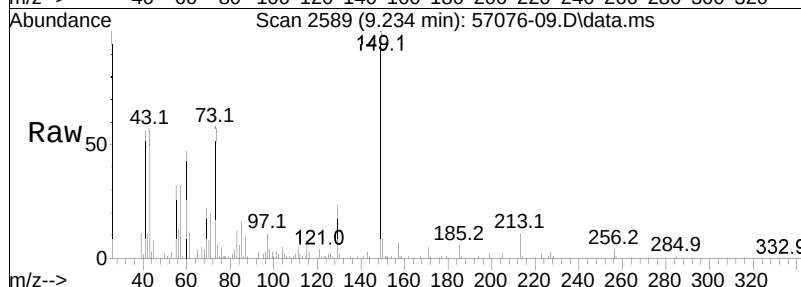
Sub List : 8270IC\8270bDakota\250917RVT\MAP90917.D•

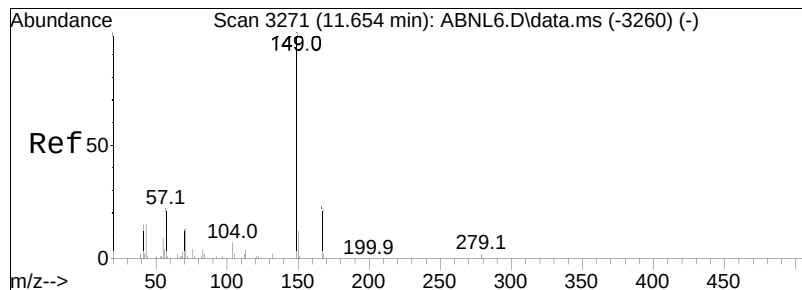




#94
 Di-n-butylphthalate
 Concen: 0.57 ug/ml
 RT: 9.234 min Scan# 2589
 Delta R.T. 0.000 min
 Lab File: 57076-09.D
 Acq: 17 Sep 2025 6:54 pm

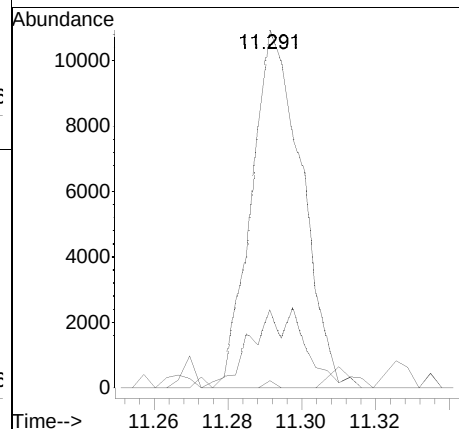
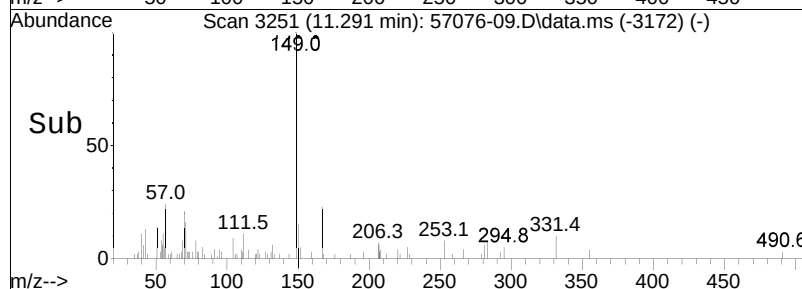
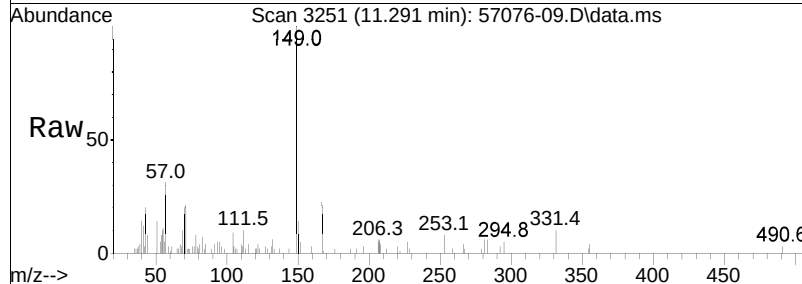
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	77546		
150	9.5	7.0	10.6	
104	5.2	4.5	6.7	





#110
 Bis(2-ethylhexyl)phthalate
 Concen: 0.12 ug/ml
 RT: 11.291 min Scan# 3251
 Delta R.T. -0.003 min
 Lab File: 57076-09.D
 Acq: 17 Sep 2025 6:54 pm

Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.5	22.1	33.1
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\Dakota\250917RVT\	QMethod	: FS250821RVT_Dakota.m
Data File	: 57076-09.D	Operator	: Dakota:smz
Date Inj'd	: 9/17/2025 6:54 pm	Instrument	: Dakota
Sample	: L2557076-09,32,,gmr	Quant Date	: 9/17/2025 7:12 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-10.D
 Acq On : 17 Sep 2025 7:16 pm
 Operator : Dakota:smz
 Sample : L2557076-10,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 26 12:40:51 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP0917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.245	152	90429	4.000	ug/ml	0.00
Standard Area 1 = 77291			Recovery =	117.00%		
27) IS2_1,4-Dichlorobenzen...	4.245	152	90429	4.000	ug/ml	0.00
Standard Area 3 = 70892			Recovery =	127.56%		
37) IS1_Naphthalene-d8	5.482	136	315703	4.000	ug/ml	0.00
Standard Area 1 = 286017			Recovery =	110.38%		
57) IS2_Naphthalene-d8	5.482	136	315703	4.000	ug/ml	0.00
Standard Area 3 = 260232			Recovery =	121.32%		
65) IS1_Acenaphthene-d10	7.170	164	219856	4.000	ug/ml	0.00
Standard Area 1 = 210289			Recovery =	104.55%		
85) IS2_Acenaphthene-d10	7.170	164	219856	4.000	ug/ml	0.00
Standard Area 3 = 186345			Recovery =	117.98%		
88) IS3_Acenaphthene-d10	7.170	164	219856	4.000	ug/ml	0.00
Standard Area 2 = 183938			Recovery =	119.53%		
90) IS1_Phenanthrene-d10	8.584	188	530856	4.000	ug/ml	0.00
Standard Area 1 = 470371			Recovery =	112.86%		
102) IS3_Phenanthrene-d10	8.584	188	530856	4.000	ug/ml	0.00
Standard Area 2 = 433961			Recovery =	122.33%		
106) IS1_Chrysene-d12	11.145	240	605136	4.000	ug/ml	0.00
Standard Area 1 = 514603			Recovery =	117.59%		
115) IS1_Perylene-d12	12.560	264	707273	4.000	ug/ml	0.00
Standard Area 1 = 603185			Recovery =	117.26%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.959	112	22728	1.141	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	57.05%		
7) Phenol-d6	3.953	99	21549	0.811	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	40.55%		
19) Nitrobenzene-d5	4.795	82	20543	0.814	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	81.40%		
48) 2-Fluorobiphenyl	6.555	172	59511	0.764	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	76.40%		
81) 2,4,6-Tribromophenol	7.928	330	29229	2.318	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	115.90%#		
98) 4-Terphenyl-d14	10.151	244	124716	0.908	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	90.80%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-10.D
 Acq On : 17 Sep 2025 7:16 pm
 Operator : Dakota:smz
 Sample : L2557076-10,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 26 12:40:51 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.	d	
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.	d	
40) 4-Chloroaniline	0.000		0	N.D.	d	
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.	d	
74) Diethyl phthalate	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-10.D
 Acq On : 17 Sep 2025 7:16 pm
 Operator : Dakota:smz
 Sample : L2557076-10,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 26 12:40:51 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250917RVT\ABN0917.D
 : 2 - I:\8270\Dakota\250917RVT\ADP0917.D
 : 3 - I:\8270\Dakota\250917RVT\AP90917.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77)	4-Nitroaniline	0.000		0		N.D.	
78)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
79)	NDPA/DPA	0.000		0		N.D. d	
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D. d	
94)	Di-n-butylphthalate	9.234	149	63936	0.463	ug/ml	97
99)	Butyl benzyl phthalate	0.000		0		N.D. d	
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	11.295	149	10010	0.114	ug/ml#	90
111)	Di-n-octylphthalate	0.000		0		N.D. d	

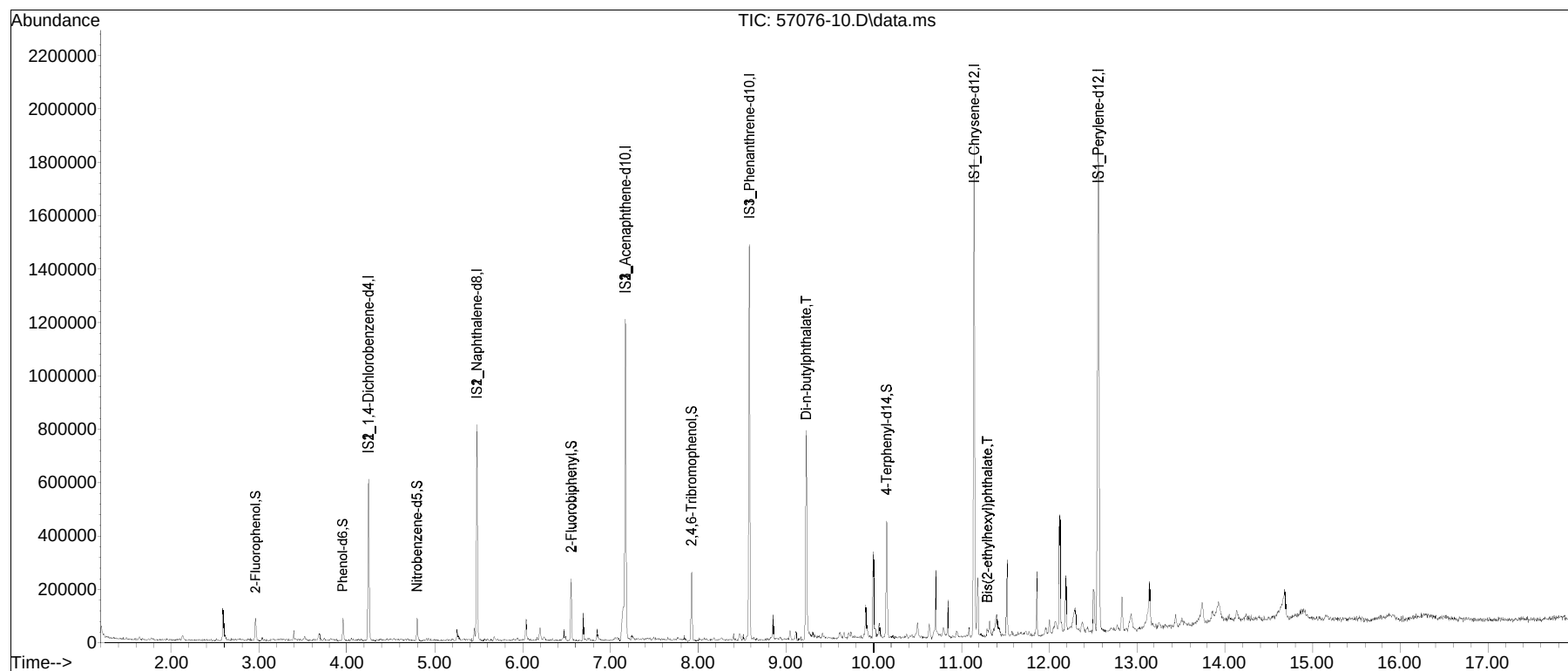
(#) = qualifier out of range (m) = manual integration (+) = signals summed

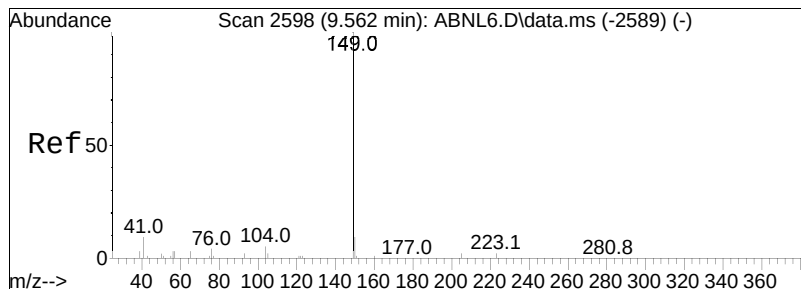
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : 57076-10.D
 Acq On : 17 Sep 2025 7:16 pm
 Operator : Dakota:smz
 Sample : L2557076-10,32,,gmr
 Misc : WG2116041,WG2115183,ical22568
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 26 12:40:51 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:51 2025
 Response via : Initial Calibration

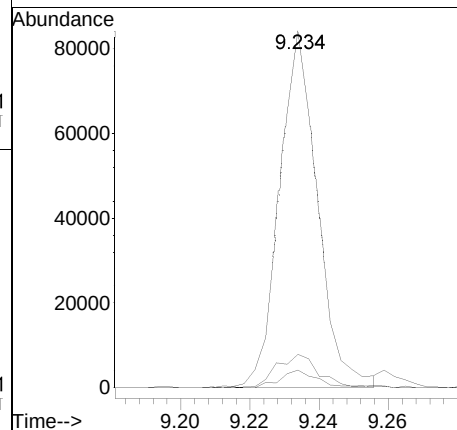
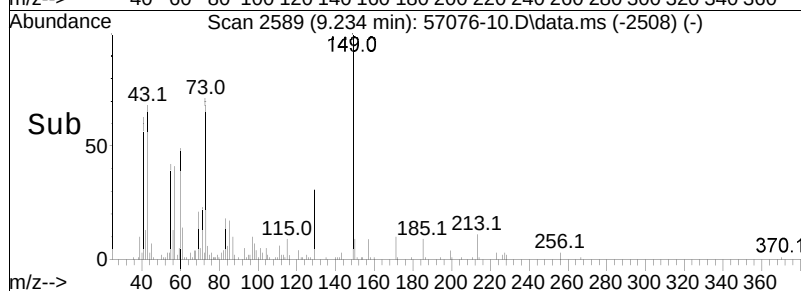
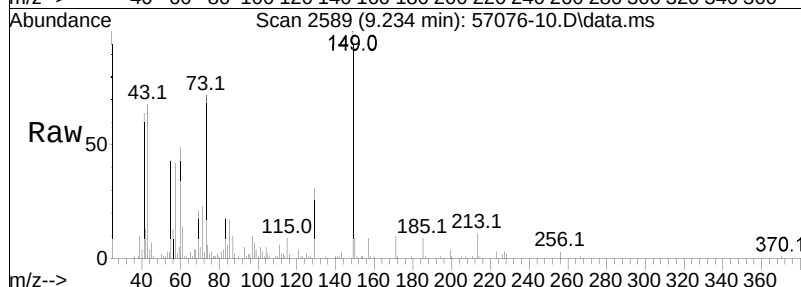
Sub List : 8270IC\8270bDakota\250917RVT\MAP90917.D•

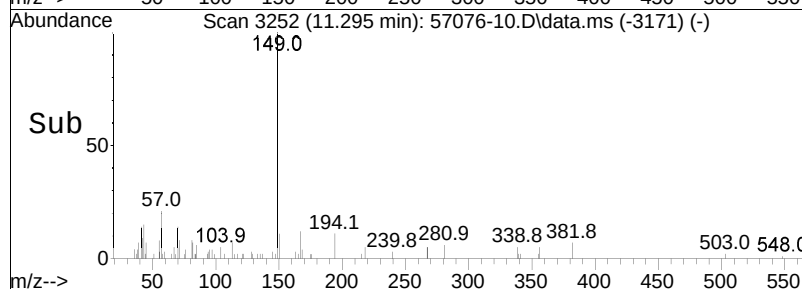
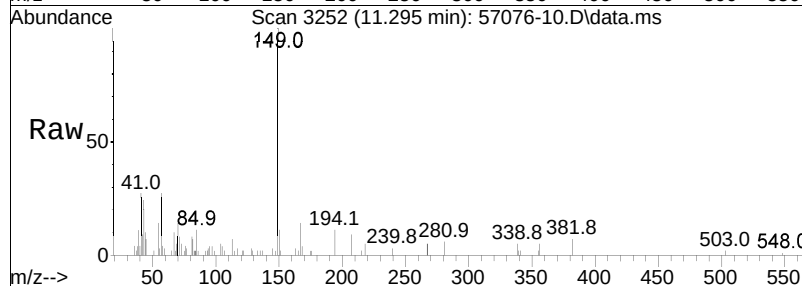
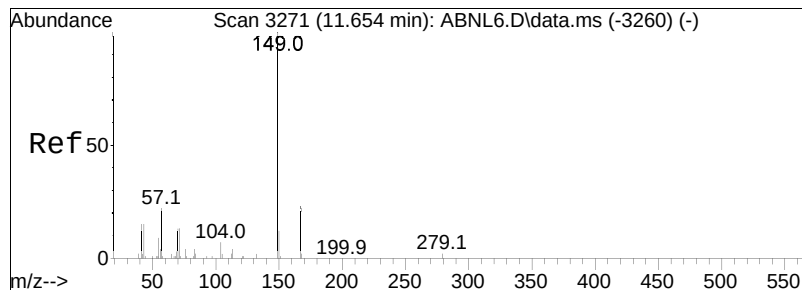




#94
 Di-n-butylphthalate
 Concen: 0.46 ug/ml
 RT: 9.234 min Scan# 2589
 Delta R.T. 0.000 min
 Lab File: 57076-10.D
 Acq: 17 Sep 2025 7:16 pm

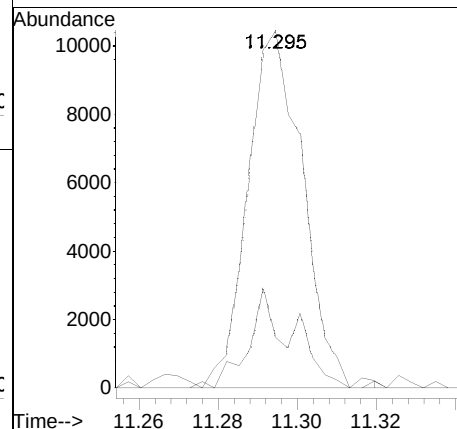
Tgt Ion:	149	Resp:	63936
Ion Ratio	Lower	Upper	
149	100		
150	10.3	7.0	10.6
104	5.1	4.5	6.7





#110
 Bis(2-ethylhexyl)phthalate
 Concen: 0.11 ug/ml
 RT: 11.295 min Scan# 3252
 Delta R.T. 0.000 min
 Lab File: 57076-10.D
 Acq: 17 Sep 2025 7:16 pm

Tgt Ion	Ratio	Lower	Upper
149	100		
167	22.4	22.1	33.1
279	0.0	3.0	4.4



Manual Integration Report

Data Path	: I:\8270\Dakota\250917RVT\	QMethod	: FS250821RVT_Dakota.m
Data File	: 57076-10.D	Operator	: Dakota:smz
Date Inj'd	: 9/17/2025 7:16 pm	Instrument	: Dakota
Sample	: L2557076-10,32,,gmr	Quant Date	: 9/17/2025 7:34 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250918RVT\
 Data File : 57076-02.D
 Acq On : 18 Sep 2025 1:14 pm
 Operator : SV106:smz
 Sample : L2557076-02,32,,RE,gmr
 Misc : WG2116472,WG2115761,ical22591
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 14:34:04 2025
 Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:58:39 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250918RVT\ABN0918.D
 : 2 - I:\8270\SV106\250918RVT\ADP0918.D
 : 3 - I:\8270\SV106\250918RVT\AP90918.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.030	152	38782	4.000	ug/ml	0.00
Standard Area 1 = 37673			Recovery =	102.94%		
27) IS2_1,4-Dichlorobenzen...	4.030	152	38782	4.000	ug/ml	0.00
Standard Area 3 = 36883			Recovery =	105.15%		
35) IS1_Naphthalene-d8	5.304	136	142586	4.000	ug/ml	0.00
Standard Area 1 = 153730			Recovery =	92.75%		
55) IS2_Naphthalene-d8	5.304	136	142586	4.000	ug/ml	0.00
Standard Area 3 = 146397			Recovery =	97.40%		
63) IS1_Acenaphthene-d10	7.029	164	80501	4.000	ug/ml	0.00
Standard Area 1 = 97376			Recovery =	82.67%		
83) IS2_Acenaphthene-d10	7.029	164	80501	4.000	ug/ml	0.00
Standard Area 3 = 85684			Recovery =	93.95%		
86) IS3_Acenaphthene-d10	7.029	164	80501	4.000	ug/ml	0.00
Standard Area 2 = 89364			Recovery =	90.08%		
88) IS1_Phenanthrene-d10	8.465	188	148454	4.000	ug/ml	0.00
Standard Area 1 = 191280			Recovery =	77.61%		
100) IS3_Phenanthrene-d10	8.465	188	148454	4.000	ug/ml	0.00
Standard Area 2 = 181181			Recovery =	81.94%		
104) IS1_Chrysene-d12	11.070	240	152591	4.000	ug/ml	0.00
Standard Area 1 = 196241			Recovery =	77.76%		
113) IS1_Perylene-d12	12.502	264	165262	4.000	ug/ml	0.00
Standard Area 1 = 213896			Recovery =	77.26%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.681	112	12931	1.206	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	60.30%		
7) Phenol-d6	3.747	99	11469	0.898	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	44.90%		
19) Nitrobenzene-d5	4.605	82	8495	0.714	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	71.40%		
46) 2-Fluorobiphenyl	6.407	172	20958	0.716	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	71.60%		
79) 2,4,6-Tribromophenol	7.800	330	6291	1.612	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	80.60%		
96) 4-Terphenyl-d14	10.069	244	29477	0.809	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	80.90%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250918RVT\
 Data File : 57076-02.D
 Acq On : 18 Sep 2025 1:14 pm
 Operator : SV106:smz
 Sample : L2557076-02,32,,RE,gmr
 Misc : WG2116472,WG2115761,ical22591
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 14:34:04 2025
 Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:58:39 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250918RVT\ABN0918.D
 : 2 - I:\8270\SV106\250918RVT\ADP0918.D
 : 3 - I:\8270\SV106\250918RVT\AP90918.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250918RVT\
 Data File : 57076-02.D
 Acq On : 18 Sep 2025 1:14 pm
 Operator : SV106:smz
 Sample : L2557076-02,32,,RE,gmr
 Misc : WG2116472,WG2115761,ical22591
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 14:34:04 2025
 Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:58:39 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250918RVT\ABN0918.D
 : 2 - I:\8270\SV106\250918RVT\ADP0918.D
 : 3 - I:\8270\SV106\250918RVT\AP90918.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75)	4-Nitroaniline	0.000		0		N.D.	
76)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
77)	NDPA/DPA	0.000		0		N.D.	
80)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	9.143	149	10188	0.217	ug/ml#	93
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	11.237	149	3187	0.099	ug/ml#	86
109)	Di-n-octylphthalate	0.000		0		N.D. d	

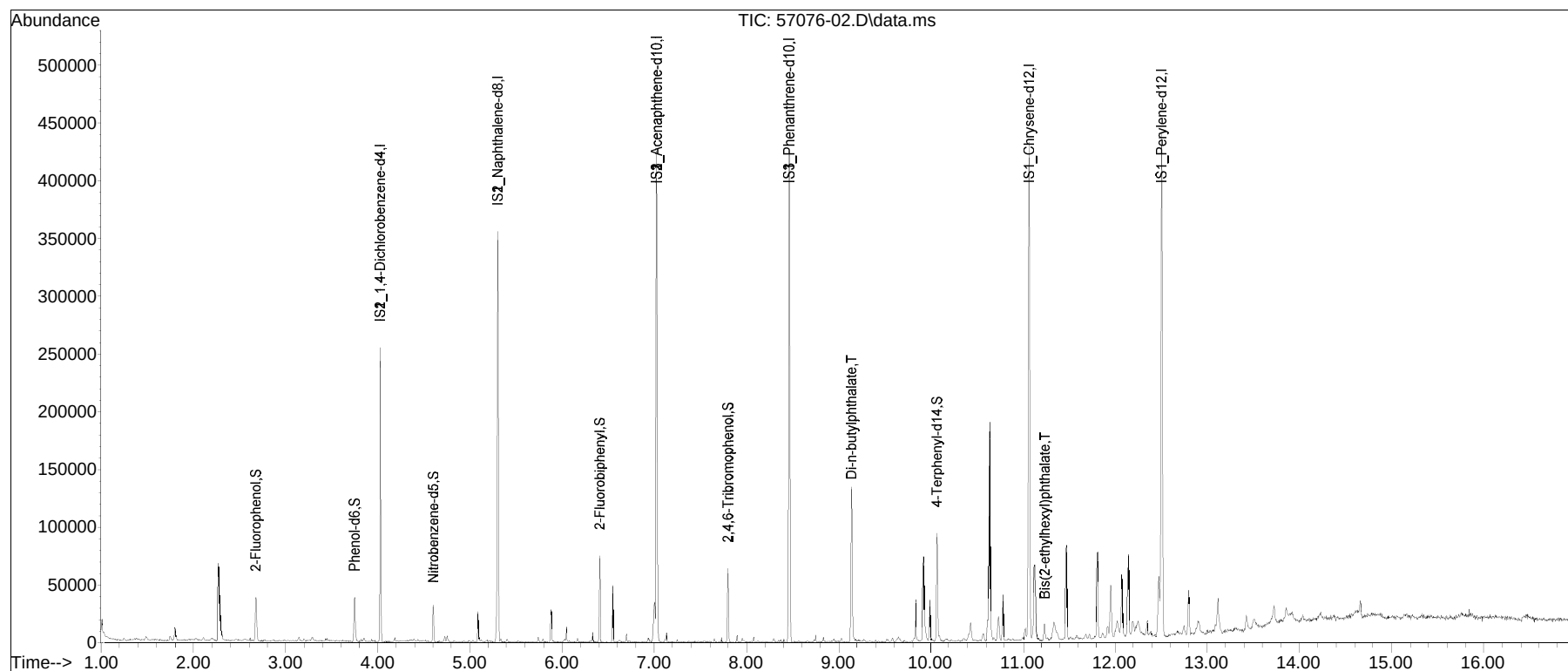
(#) = qualifier out of range (m) = manual integration (+) = signals summed

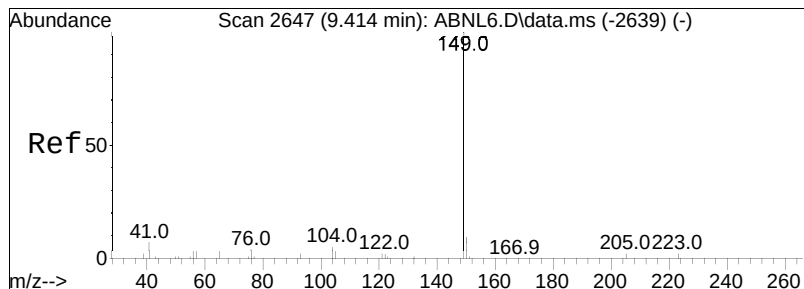
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250918RVT\
 Data File : 57076-02.D
 Acq On : 18 Sep 2025 1:14 pm
 Operator : SV106:smz
 Sample : L2557076-02,32,,RE,gmr
 Misc : WG2116472,WG2115761,ical22591
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 26 14:34:04 2025
 Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:58:39 2025
 Response via : Initial Calibration

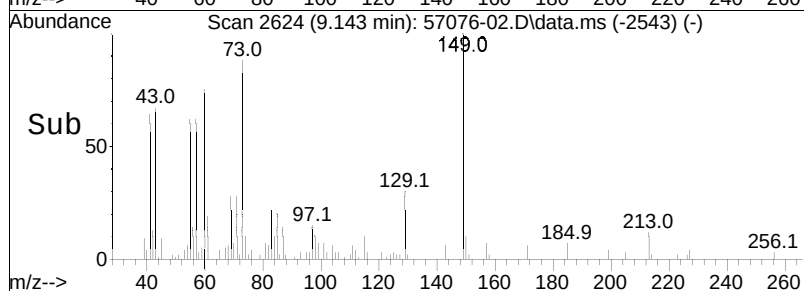
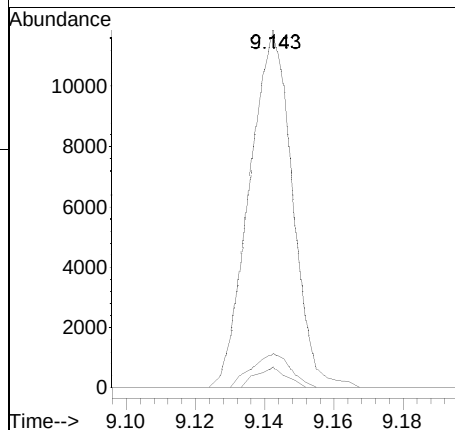
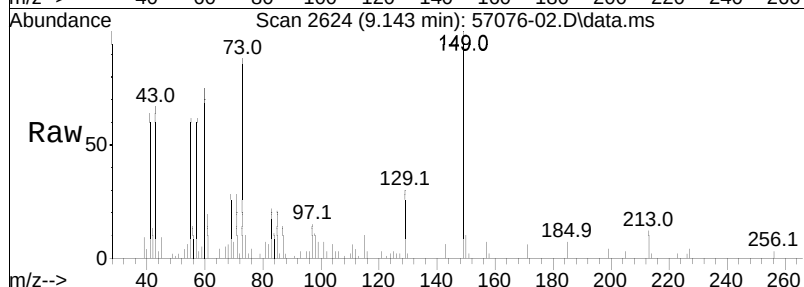
Sub List : 8270ICL\8270SV106\250918RVT\250918.D•

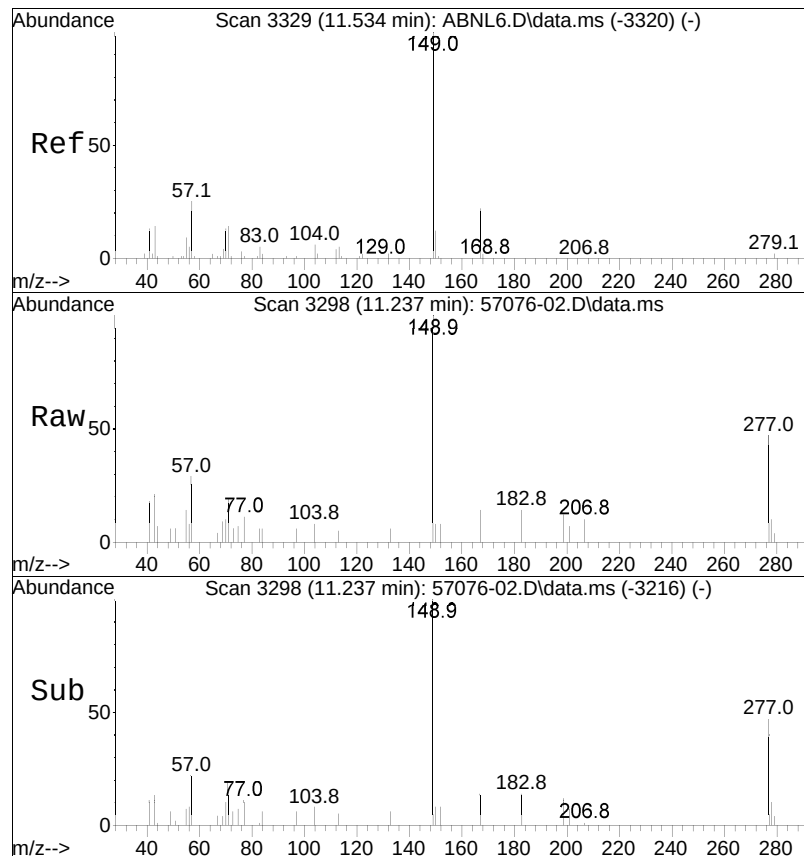




#92
 Di-n-butylphthalate
 Concen: 0.22 ug/ml
 RT: 9.143 min Scan# 2624
 Delta R.T. 0.003 min
 Lab File: 57076-02.D
 Acq: 18 Sep 2025 1:14 pm

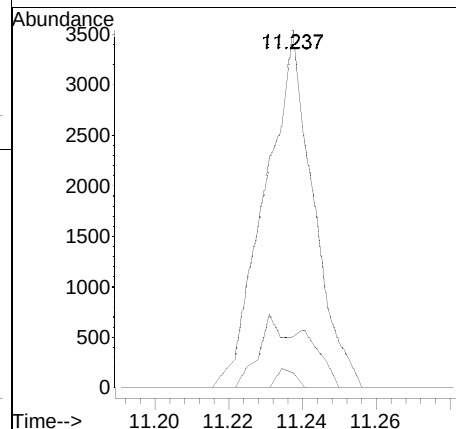
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	10188		
150	8.6	7.0	10.6	
104	0.0	4.5	6.7	





#108
 Bis(2-ethylhexyl)phthalate
 Concen: 0.10 ug/ml
 RT: 11.237 min Scan# 3298
 Delta R.T. 0.006 min
 Lab File: 57076-02.D
 Acq: 18 Sep 2025 1:14 pm

Tgt Ion:	149	Resp:	3187
Ion Ratio	Lower	Upper	
149	100		
167	20.1	22.1	33.1#
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV106\250918RVT\	QMethod	: FS250827SV106.m
Data File	: 57076-02.D	Operator	: SV106:smz
Date Inj'd	: 9/18/2025 1:14 pm	Instrument	: SV 106
Sample	: L2557076-02,32,,RE,gmr	Quant Date	: 9/18/2025 1:31 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-03.D
 Acq On : 29 Sep 2025 3:24 am
 Operator : SV107:smz
 Sample : l2557076-03re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 30 09:07:53 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250928RVT\ABN0928.D
 : 2 - I:\8270\SV107\250928RVT\ADP0928.D
 : 3 - I:\8270\SV107\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.305	152	57739	4.000	ug/ml	0.00
Standard Area 1 = 52319			Recovery =	110.36%		
27) IS2_1,4-Dichlorobenzen...	6.305	152	57739	4.000	ug/ml	0.00
Standard Area 3 = 52161			Recovery =	110.69%		
35) IS1_Naphthalene-d8	7.744	136	216199	4.000	ug/ml	0.00
Standard Area 1 = 191529			Recovery =	112.88%		
55) IS2_Naphthalene-d8	7.744	136	216199	4.000	ug/ml	0.00
Standard Area 3 = 190696			Recovery =	113.37%		
63) IS1_Acenaphthene-d10	9.510	164	127025	4.000	ug/ml	0.00
Standard Area 1 = 112121			Recovery =	113.29%		
83) IS2_Acenaphthene-d10	9.510	164	127025	4.000	ug/ml	0.00
Standard Area 3 = 106979			Recovery =	118.74%		
86) IS3_Acenaphthene-d10	9.510	164	127025	4.000	ug/ml	0.00
Standard Area 2 = 102007			Recovery =	124.53%		
88) IS1_Phenanthrene-d10	10.952	188	252275	4.000	ug/ml	0.00
Standard Area 1 = 201380			Recovery =	125.27%		
100) IS3_Phenanthrene-d10	10.952	188	252275	4.000	ug/ml	0.00
Standard Area 2 = 199559			Recovery =	126.42%		
104) IS1_Chrysene-d12	13.581	240	194778	4.000	ug/ml	0.00
Standard Area 1 = 159830			Recovery =	121.87%		
113) IS1_Perylene-d12	15.039	264	187451	4.000	ug/ml	-0.02
Standard Area 1 = 145781			Recovery =	128.58%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.288	112	12956	0.870	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	43.50%		
7) Phenol-d6	5.929	99	11027	0.602	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	30.10%		
19) Nitrobenzene-d5	6.970	82	11463	0.677	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	67.70%		
46) 2-Fluorobiphenyl	8.876	172	29634	0.628	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	62.80%		
79) 2,4,6-Tribromophenol	10.280	330	4968	1.027	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	51.35%		
96) 4-Terphenyl-d14	12.540	244	32736	0.600	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	60.00%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-03.D
 Acq On : 29 Sep 2025 3:24 am
 Operator : SV107:smz
 Sample : l2557076-03re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 30 09:07:53 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250928RVT\ABN0928.D
 : 2 - I:\8270\SV107\250928RVT\ADP0928.D
 : 3 - I:\8270\SV107\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.	d	
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-03.D
 Acq On : 29 Sep 2025 3:24 am
 Operator : SV107:smz
 Sample : l2557076-03re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 30 09:07:53 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250928RVT\ABN0928.D
 : 2 - I:\8270\SV107\250928RVT\ADP0928.D
 : 3 - I:\8270\SV107\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75)	4-Nitroaniline	0.000		0		N.D.	
76)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
77)	NDPA/DPA	0.000		0		N.D.	
80)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	11.595	149	26509	0.393	ug/ml	99
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D. d	
109)	Di-n-octylphthalate	0.000		0		N.D. d	

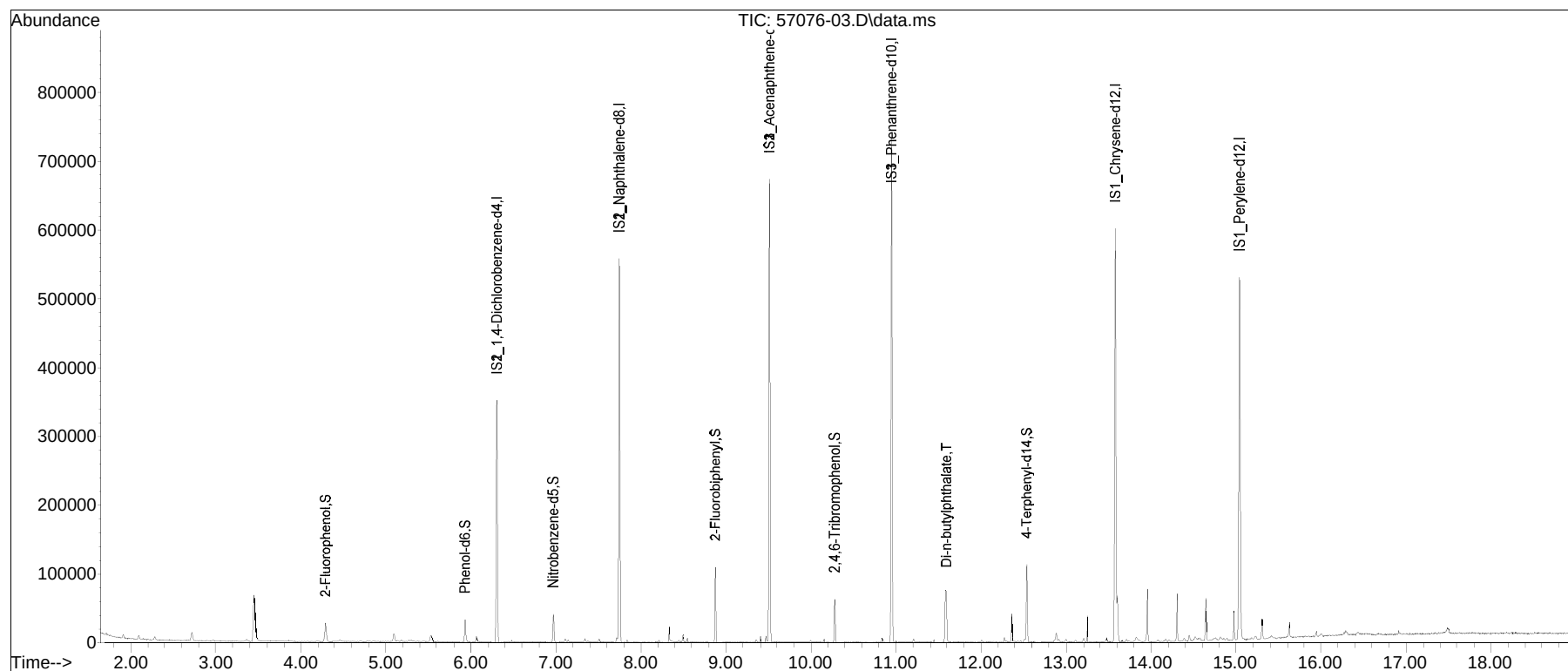
(#) = qualifier out of range (m) = manual integration (+) = signals summed

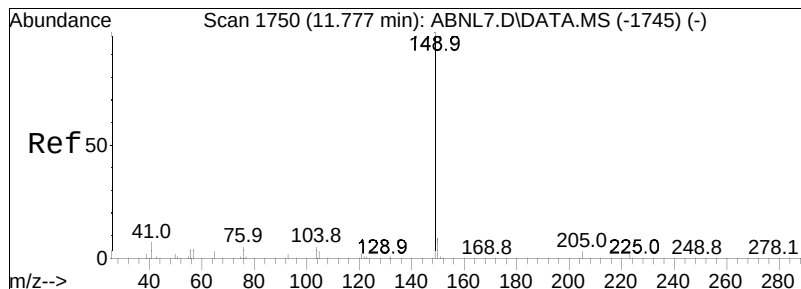
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-03.D
 Acq On : 29 Sep 2025 3:24 am
 Operator : SV107:smz
 Sample : l2557076-03re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 30 09:07:53 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

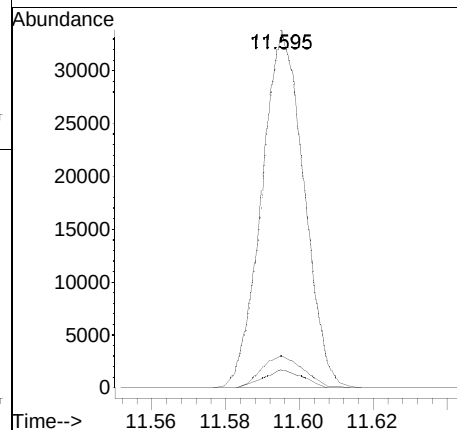
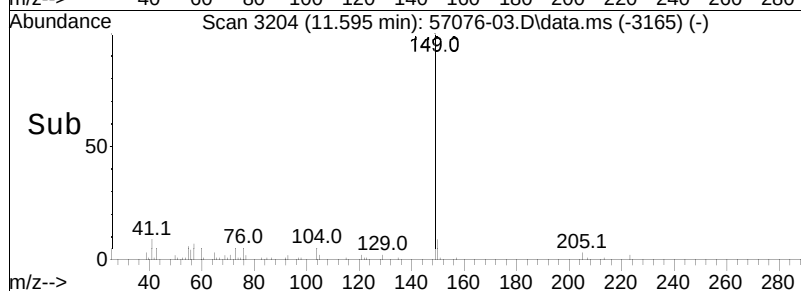
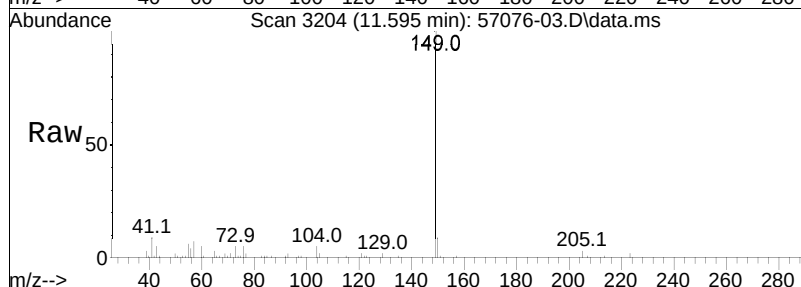
Sub List : 8270IC\8270016\REV1250928RVT\MA90928.D•





#92
 Di-n-butylphthalate
 Concen: 0.39 ug/ml
 RT: 11.595 min Scan# 3204
 Delta R.T. -0.003 min
 Lab File: 57076-03.D
 Acq: 29 Sep 2025 3:24 am

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	26509		
150	9.0	7.0	10.6	
104	4.9	4.5	6.7	



Manual Integration Report

Data Path	: I:\8270\SV107\250928RVT\	QMethod	: FS250826SV107RVT.m
Data File	: 57076-03.D	Operator	: SV107:smz
Date Inj'd	: 9/29/2025 3:24 am	Instrument	: SV107
Sample	: l2557076-03re,32,,mrg	Quant Date	: 9/29/2025 3:43 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-04.D
 Acq On : 29 Sep 2025 3:49 am
 Operator : SV107:smz
 Sample : l2557076-04re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 30 09:28:45 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250928RVT\ABN0928.D
 : 2 - I:\8270\SV107\250928RVT\ADP0928.D
 : 3 - I:\8270\SV107\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.305	152	56427	4.000	ug/ml	0.00
Standard Area 1 = 52319			Recovery =	107.85%		
27) IS2_1,4-Dichlorobenzen...	6.305	152	56427	4.000	ug/ml	0.00
Standard Area 3 = 52161			Recovery =	108.18%		
35) IS1_Naphthalene-d8	7.744	136	209861	4.000	ug/ml	0.00
Standard Area 1 = 191529			Recovery =	109.57%		
55) IS2_Naphthalene-d8	7.744	136	209861	4.000	ug/ml	0.00
Standard Area 3 = 190696			Recovery =	110.05%		
63) IS1_Acenaphthene-d10	9.513	164	122419	4.000	ug/ml	0.00
Standard Area 1 = 112121			Recovery =	109.18%		
83) IS2_Acenaphthene-d10	9.513	164	122419	4.000	ug/ml	0.00
Standard Area 3 = 106979			Recovery =	114.43%		
86) IS3_Acenaphthene-d10	9.513	164	122419	4.000	ug/ml	0.00
Standard Area 2 = 102007			Recovery =	120.01%		
88) IS1_Phenanthrene-d10	10.952	188	247032	4.000	ug/ml	0.00
Standard Area 1 = 201380			Recovery =	122.67%		
100) IS3_Phenanthrene-d10	10.952	188	247032	4.000	ug/ml	0.00
Standard Area 2 = 199559			Recovery =	123.79%		
104) IS1_Chrysene-d12	13.581	240	192373	4.000	ug/ml	0.00
Standard Area 1 = 159830			Recovery =	120.36%		
113) IS1_Perylene-d12	15.042	264	190154	4.000	ug/ml	-0.02
Standard Area 1 = 145781			Recovery =	130.44%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.285	112	11635	0.799	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	39.95%		
7) Phenol-d6	5.926	99	9822	0.549	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	27.45%		
19) Nitrobenzene-d5	6.970	82	9132	0.552	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	55.20%		
46) 2-Fluorobiphenyl	8.876	172	24621	0.538	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	53.80%		
79) 2,4,6-Tribromophenol	10.284	330	4477	0.960	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.00%		
96) 4-Terphenyl-d14	12.540	244	26588	0.498	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	49.80%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-04.D
 Acq On : 29 Sep 2025 3:49 am
 Operator : SV107:smz
 Sample : l2557076-04re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 30 09:28:45 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250928RVT\ABN0928.D
 : 2 - I:\8270\SV107\250928RVT\ADP0928.D
 : 3 - I:\8270\SV107\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0		N.D.	
8) Phenol	0.000		0		N.D.	
9) Bis(2-chloroethyl)ether	0.000		0		N.D.	
10) 1,3-Dichlorobenzene	0.000		0		N.D.	
11) 1,4-Dichlorobenzene	0.000		0		N.D.	
12) 1,2-Dichlorobenzene	0.000		0		N.D.	
13) Benzyl alcohol	0.000		0		N.D.	
14) Bis(2-chloroisopropyl)...	0.000		0		N.D.	
15) 2-Methylphenol	0.000		0		N.D.	
17) n-Nitrosodi-n-propylamine	0.000		0		N.D.	
18) 3-Methylphenol/4-Methy...	0.000		0		N.D.	
20) Nitrobenzene	0.000		0		N.D.	
21) Isophorone	0.000		0		N.D.	
22) 2-Nitrophenol	0.000		0		N.D.	
23) 2,4-Dimethylphenol	0.000		0		N.D.	
24) Bis(2-chloroethoxy)met...	0.000		0		N.D.	
25) 2,4-Dichlorophenol	0.000		0		N.D.	
26) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
29) Acetophenone	0.000		0		N.D.	
37) Benzoic Acid	0.000		0		N.D.	
38) 4-Chloroaniline	0.000		0		N.D.	
40) p-Chloro-m-cresol	0.000		0		N.D.	
43) Hexachlorocyclopentadiene	0.000		0		N.D.	
44) 2,4,6-Trichlorophenol	0.000		0		N.D.	
45) 2,4,5-Trichlorophenol	0.000		0		N.D.	
48) 2-Nitroaniline	0.000		0		N.D.	
51) Dimethyl phthalate	0.000		0		N.D.	
53) 2,6-Dinitrotoluene	0.000		0		N.D.	
61) 1,2,4,5-Tetrachloroben...	0.000		0		N.D.	
62) Biphenyl	0.000		0		N.D.	
64) 3-Nitroaniline	0.000		0		N.D.	
66) 2,4-Dinitrophenol	0.000		0		N.D.	
67) Dibenzofuran	0.000		0		N.D.	
68) 2,4-Dinitrotoluene	0.000		0		N.D.	
69) 4-Nitrophenol	0.000		0		N.D.	
72) Diethyl phthalate	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-04.D
 Acq On : 29 Sep 2025 3:49 am
 Operator : SV107:smz
 Sample : l2557076-04re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 30 09:28:45 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250928RVT\ABN0928.D
 : 2 - I:\8270\SV107\250928RVT\ADP0928.D
 : 3 - I:\8270\SV107\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75)	4-Nitroaniline	0.000		0		N.D.	
76)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
77)	NDPA/DPA	0.000		0		N.D.	
80)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	11.598	149	23599	0.357	ug/ml	97
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D. d	
109)	Di-n-octylphthalate	0.000		0		N.D. d	

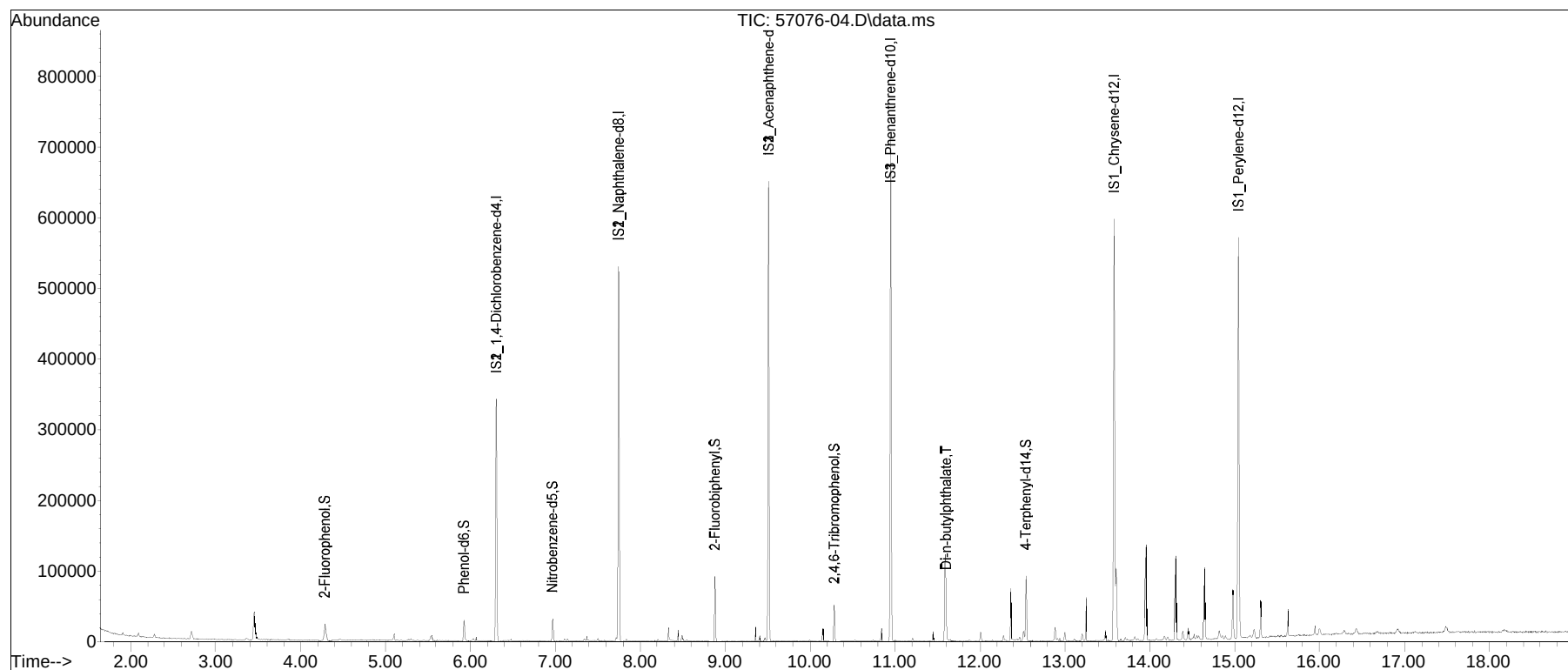
(#) = qualifier out of range (m) = manual integration (+) = signals summed

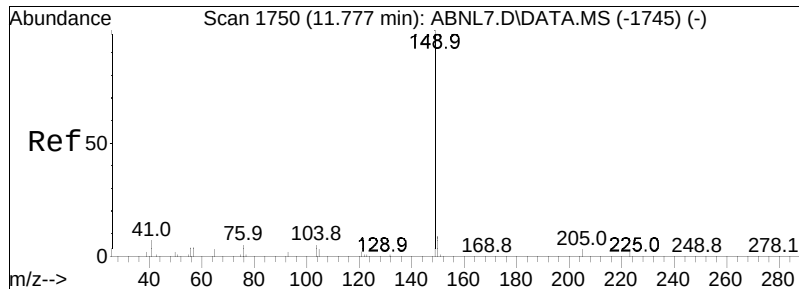
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-04.D
 Acq On : 29 Sep 2025 3:49 am
 Operator : SV107:smz
 Sample : l2557076-04re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 30 09:28:45 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

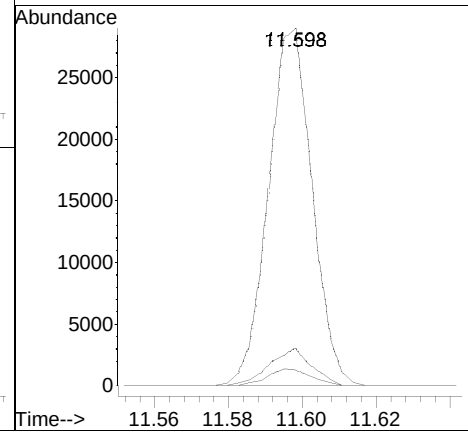
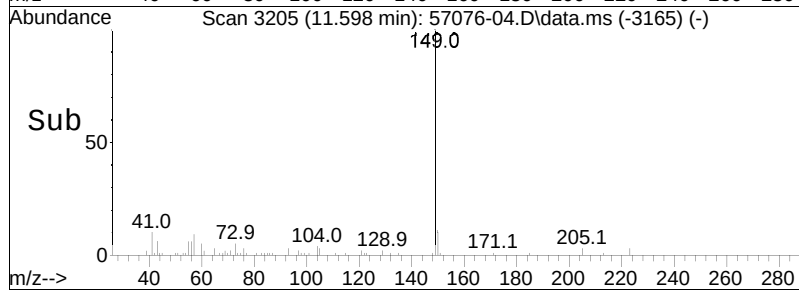
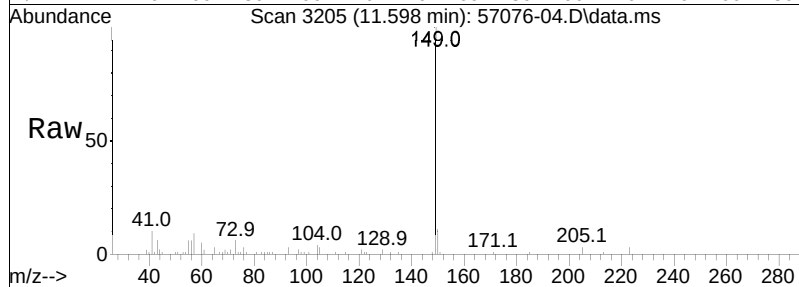
Sub List : 8270IC\8270016\REV1250928RVT\MA90928.D•





#92
 Di-n-butylphthalate
 Concen: 0.36 ug/ml
 RT: 11.598 min Scan# 3205
 Delta R.T. 0.000 min
 Lab File: 57076-04.D
 Acq: 29 Sep 2025 3:49 am

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	23599		
150	10.1		7.0	10.6
104	4.5		4.5	6.7



Manual Integration Report

Data Path	: I:\8270\SV107\250928RVT\	QMethod	: FS250826SV107RVT.m
Data File	: 57076-04.D	Operator	: SV107:smz
Date Inj'd	: 9/29/2025 3:49 am	Instrument	: SV107
Sample	: l2557076-04re,32,,mrg	Quant Date	: 9/29/2025 4:09 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-05.D
 Acq On : 29 Sep 2025 4:15 am
 Operator : SV107:smz
 Sample : l2557076-05re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 30 09:28:58 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250928RVT\ABN0928.D
 : 2 - I:\8270\SV107\250928RVT\ADP0928.D
 : 3 - I:\8270\SV107\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.305	152	58584	4.000	ug/ml	0.00
Standard Area 1 = 52319			Recovery =	111.97%		
27) IS2_1,4-Dichlorobenzen...	6.305	152	58584	4.000	ug/ml	0.00
Standard Area 3 = 52161			Recovery =	112.31%		
35) IS1_Naphthalene-d8	7.744	136	221185	4.000	ug/ml	0.00
Standard Area 1 = 191529			Recovery =	115.48%		
55) IS2_Naphthalene-d8	7.744	136	221185	4.000	ug/ml	0.00
Standard Area 3 = 190696			Recovery =	115.99%		
63) IS1_Acenaphthene-d10	9.510	164	125626	4.000	ug/ml	0.00
Standard Area 1 = 112121			Recovery =	112.05%		
83) IS2_Acenaphthene-d10	9.510	164	125626	4.000	ug/ml	0.00
Standard Area 3 = 106979			Recovery =	117.43%		
86) IS3_Acenaphthene-d10	9.510	164	125626	4.000	ug/ml	0.00
Standard Area 2 = 102007			Recovery =	123.15%		
88) IS1_Phenanthrene-d10	10.952	188	253910	4.000	ug/ml	0.00
Standard Area 1 = 201380			Recovery =	126.09%		
100) IS3_Phenanthrene-d10	10.952	188	253910	4.000	ug/ml	0.00
Standard Area 2 = 199559			Recovery =	127.24%		
104) IS1_Chrysene-d12	13.581	240	198903	4.000	ug/ml	0.00
Standard Area 1 = 159830			Recovery =	124.45%		
113) IS1_Perylene-d12	15.042	264	186607	4.000	ug/ml	-0.02
Standard Area 1 = 145781			Recovery =	128.01%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.291	112	12425	0.822	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	41.10%		
7) Phenol-d6	5.926	99	10500	0.565	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	28.25%		
19) Nitrobenzene-d5	6.970	82	9902	0.577	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	57.70%		
46) 2-Fluorobiphenyl	8.876	172	26180	0.543	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	54.30%		
79) 2,4,6-Tribromophenol	10.280	330	4948	1.034	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	51.70%		
96) 4-Terphenyl-d14	12.540	244	30643	0.558	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	55.80%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-05.D
 Acq On : 29 Sep 2025 4:15 am
 Operator : SV107:smz
 Sample : l2557076-05re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 30 09:28:58 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250928RVT\ABN0928.D
 : 2 - I:\8270\SV107\250928RVT\ADP0928.D
 : 3 - I:\8270\SV107\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0		N.D.	
8) Phenol	0.000		0		N.D.	
9) Bis(2-chloroethyl)ether	0.000		0		N.D.	
10) 1,3-Dichlorobenzene	0.000		0		N.D.	
11) 1,4-Dichlorobenzene	0.000		0		N.D.	
12) 1,2-Dichlorobenzene	0.000		0		N.D.	
13) Benzyl alcohol	0.000		0		N.D.	
14) Bis(2-chloroisopropyl)...	0.000		0		N.D.	
15) 2-Methylphenol	0.000		0		N.D.	
17) n-Nitrosodi-n-propylamine	0.000		0		N.D.	
18) 3-Methylphenol/4-Methy...	0.000		0		N.D.	
20) Nitrobenzene	0.000		0		N.D.	
21) Isophorone	0.000		0		N.D.	
22) 2-Nitrophenol	0.000		0		N.D.	
23) 2,4-Dimethylphenol	0.000		0		N.D.	
24) Bis(2-chloroethoxy)met...	0.000		0		N.D.	
25) 2,4-Dichlorophenol	0.000		0		N.D.	
26) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
29) Acetophenone	0.000		0		N.D.	
37) Benzoic Acid	0.000		0		N.D.	
38) 4-Chloroaniline	0.000		0		N.D.	
40) p-Chloro-m-cresol	0.000		0		N.D.	
43) Hexachlorocyclopentadiene	0.000		0		N.D.	
44) 2,4,6-Trichlorophenol	0.000		0		N.D.	
45) 2,4,5-Trichlorophenol	0.000		0		N.D.	
48) 2-Nitroaniline	0.000		0		N.D.	
51) Dimethyl phthalate	0.000		0		N.D.	
53) 2,6-Dinitrotoluene	0.000		0		N.D.	
61) 1,2,4,5-Tetrachloroben...	0.000		0		N.D.	
62) Biphenyl	0.000		0		N.D.	
64) 3-Nitroaniline	0.000		0		N.D.	
66) 2,4-Dinitrophenol	0.000		0		N.D.	
67) Dibenzofuran	0.000		0		N.D.	
68) 2,4-Dinitrotoluene	0.000		0		N.D.	
69) 4-Nitrophenol	0.000		0		N.D.	
72) Diethyl phthalate	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-05.D
 Acq On : 29 Sep 2025 4:15 am
 Operator : SV107:smz
 Sample : l2557076-05re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 30 09:28:58 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250928RVT\ABN0928.D
 : 2 - I:\8270\SV107\250928RVT\ADP0928.D
 : 3 - I:\8270\SV107\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75)	4-Nitroaniline	0.000		0		N.D.	
76)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
77)	NDPA/DPA	0.000		0		N.D.	
80)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	11.598	149	20311	0.299	ug/ml#	98
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D. d	
109)	Di-n-octylphthalate	0.000		0		N.D. d	

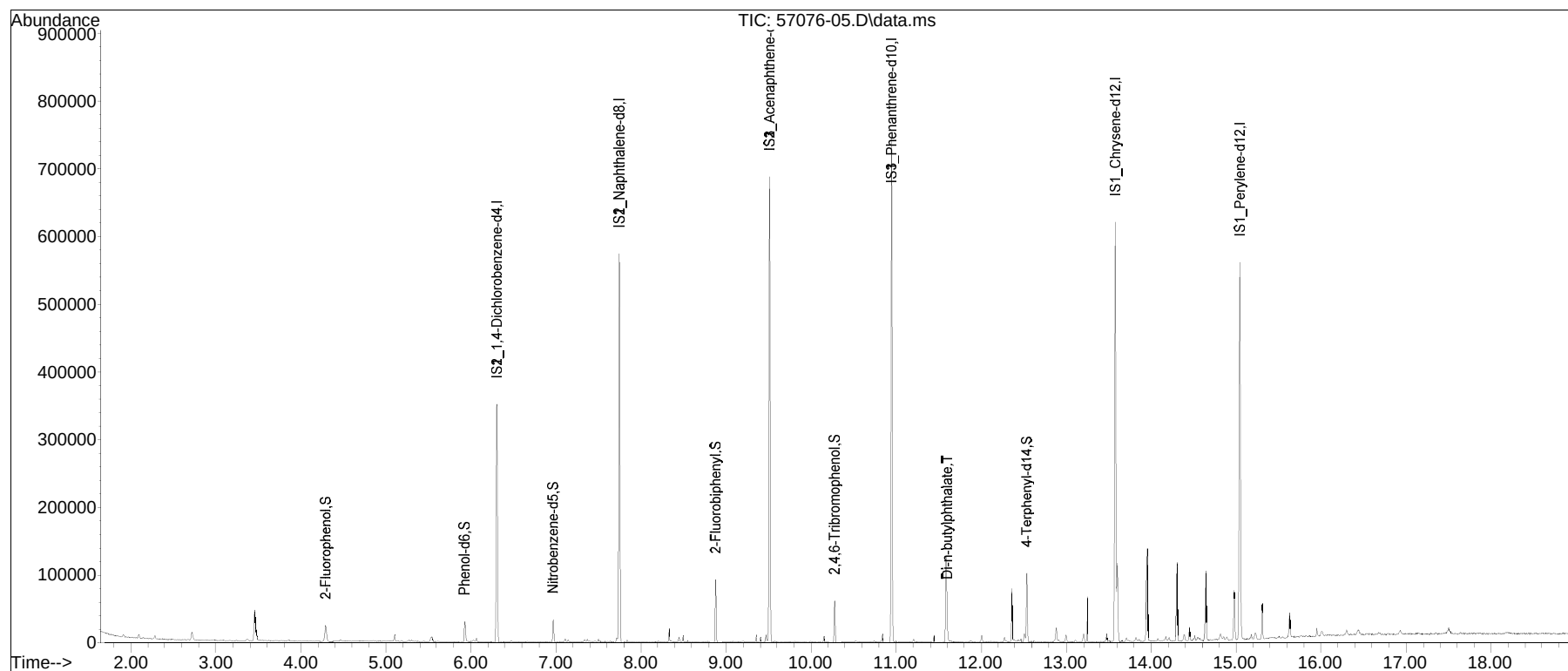
(#) = qualifier out of range (m) = manual integration (+) = signals summed

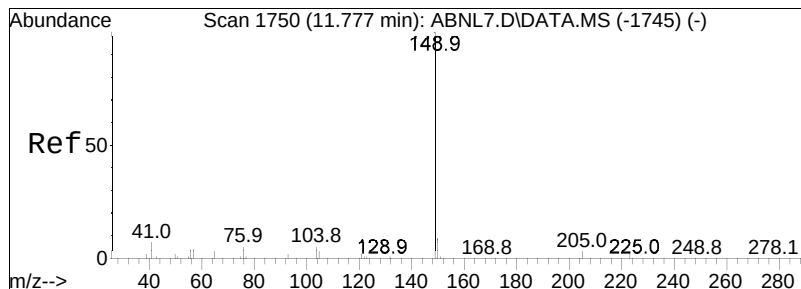
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-05.D
 Acq On : 29 Sep 2025 4:15 am
 Operator : SV107:smz
 Sample : l2557076-05re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 30 09:28:58 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

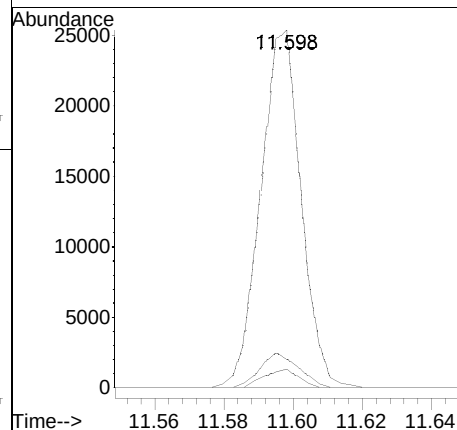
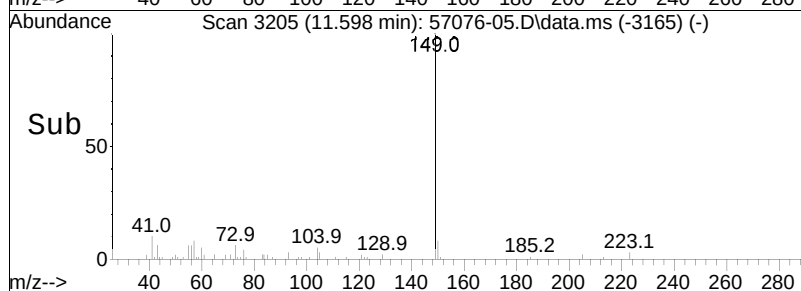
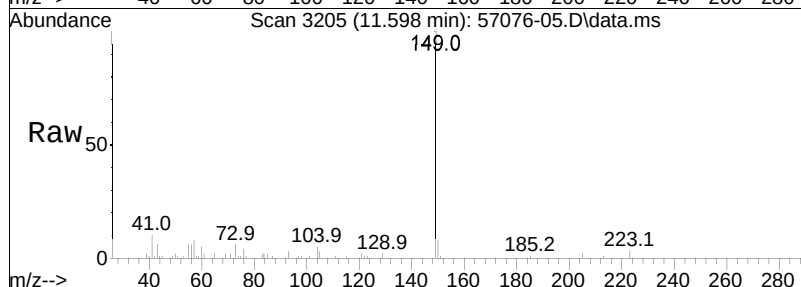
Sub List : 8270IC\8270016\REV1250928RVT\MA90928.D•





#92
 Di-n-butylphthalate
 Concen: 0.30 ug/ml
 RT: 11.598 min Scan# 3205
 Delta R.T. 0.000 min
 Lab File: 57076-05.D
 Acq: 29 Sep 2025 4:15 am

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	20311		
150	9.3	7.0	10.6	
104	4.4	4.5	6.7	



Manual Integration Report

Data Path	: I:\8270\SV107\250928RVT\	QMethod	: FS250826SV107RVT.m
Data File	: 57076-05.D	Operator	: SV107:smz
Date Inj'd	: 9/29/2025 4:15 am	Instrument	: SV107
Sample	: l2557076-05re,32,,mrg	Quant Date	: 9/29/2025 4:34 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : 57076-08.D
 Acq On : 29 Sep 2025 04:18 am
 Operator : SV112:smz
 Sample : L2557076-08re,32,,RE,mrg
 Misc : wg2120745,WG2120226,ical22560
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 29 16:05:47 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250928RVT\ABN0928.D
 : 2 - I:\8270\SV112\250928RVT\ADP0928.D
 : 3 - I:\8270\SV112\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.496	152	21584	4.000	ug/ml	0.00
Standard Area 1 = 19896			Recovery =	108.48%		
27) IS2_1,4-Dichlorobenzen...	4.496	152	21584	4.000	ug/ml	0.00
Standard Area 3 = 20764			Recovery =	103.95%		
35) IS1_Naphthalene-d8	5.725	136	84848	4.000	ug/ml	0.00
Standard Area 1 = 75600			Recovery =	112.23%		
55) IS2_Naphthalene-d8	5.725	136	84848	4.000	ug/ml	0.00
Standard Area 3 = 77713			Recovery =	109.18%		
63) IS1_Acenaphthene-d10	7.419	164	54866	4.000	ug/ml	0.00
Standard Area 1 = 48212			Recovery =	113.80%		
83) IS2_Acenaphthene-d10	7.419	164	54866	4.000	ug/ml	0.00
Standard Area 3 = 48169			Recovery =	113.90%		
86) IS3_Acenaphthene-d10	7.419	164	54866	4.000	ug/ml	0.00
Standard Area 2 = 41487			Recovery =	132.25%		
88) IS1_Phenanthrene-d10	8.837	188	139239	4.000	ug/ml	# 0.00
Standard Area 1 = 103206			Recovery =	134.91%		
100) IS3_Phenanthrene-d10	8.837	188	139239	4.000	ug/ml	# 0.00
Standard Area 2 = 92101			Recovery =	151.18%		
104) IS1_Chrysene-d12	11.431	240	160992	4.000	ug/ml	#-0.01
Standard Area 1 = 116026			Recovery =	138.76%		
113) IS1_Perylene-d12	12.878	264	179920	4.000	ug/ml	0.00
Standard Area 1 = 125196			Recovery =	143.71%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.249	112	5949	0.998	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	49.90%		
7) Phenol-d6	4.219	99	5131	0.666	ug/ml	0.02
Spiked Amount 2.000	Range 15 - 110		Recovery =	33.30%		
19) Nitrobenzene-d5	5.037	82	4787	0.655	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	65.50%		
46) 2-Fluorobiphenyl	6.796	172	12743	0.648	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	64.80%		
79) 2,4,6-Tribromophenol	8.178	330	5847	1.676	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	83.80%		
96) 4-Terphenyl-d14	10.407	244	24720	0.665	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	66.50%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : 57076-08.D
 Acq On : 29 Sep 2025 04:18 am
 Operator : SV112:smz
 Sample : L2557076-08re,32,,RE,mrg
 Misc : wg2120745,WG2120226,ical22560
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 29 16:05:47 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250928RVT\ABN0928.D
 : 2 - I:\8270\SV112\250928RVT\ADP0928.D
 : 3 - I:\8270\SV112\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : 57076-08.D
 Acq On : 29 Sep 2025 04:18 am
 Operator : SV112:smz
 Sample : L2557076-08re,32,,RE,mrg
 Misc : wg2120745,WG2120226,ical22560
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 29 16:05:47 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250928RVT\ABN0928.D
 : 2 - I:\8270\SV112\250928RVT\ADP0928.D
 : 3 - I:\8270\SV112\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75)	4-Nitroaniline	0.000		0		N.D.	
76)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
77)	NDPA/DPA	0.000		0		N.D.	
80)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	9.472	149	16180	0.399	ug/ml	98
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D. d	
109)	Di-n-octylphthalate	0.000		0		N.D. d	

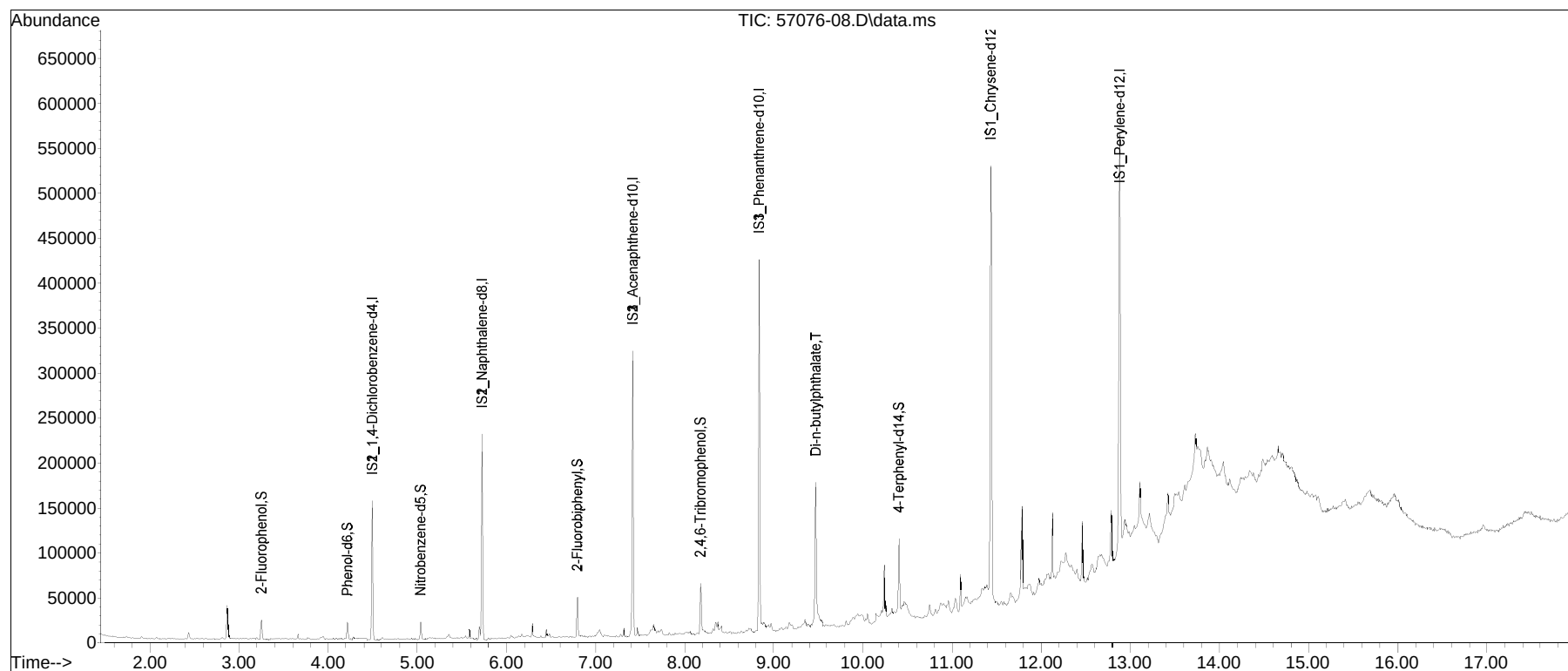
(#) = qualifier out of range (m) = manual integration (+) = signals summed

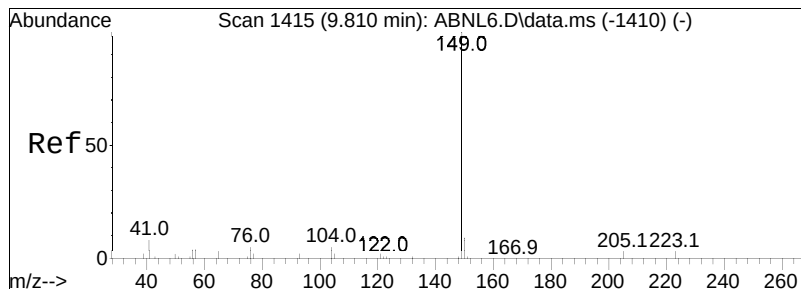
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : 57076-08.D
 Acq On : 29 Sep 2025 04:18 am
 Operator : SV112:smz
 Sample : L2557076-08re, 32,, RE, mrg
 Misc : wg2120745, WG2120226, ical22560
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 29 16:05:47 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

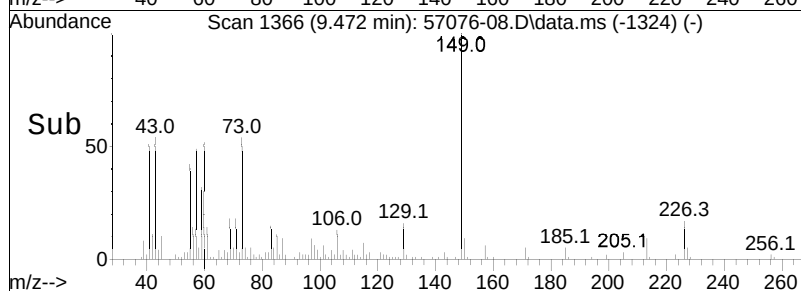
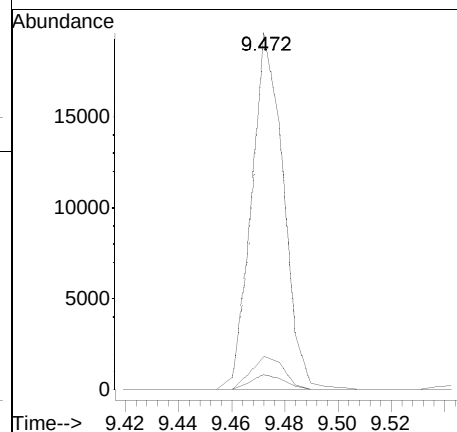
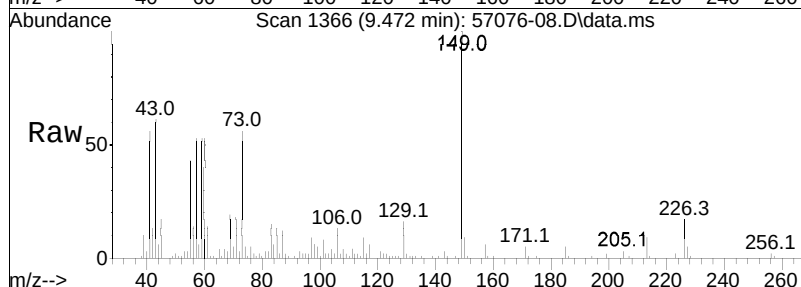
Sub List : 8270IC\827001\SV112\250928RVT\250928.D•





#92
 Di-n-butylphthalate
 Concen: 0.40 ug/ml
 RT: 9.472 min Scan# 1366
 Delta R.T. -0.006 min
 Lab File: 57076-08.D
 Acq: 29 Sep 2025 04:18 am

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.6	7.3	10.9	
104	4.2	4.0	6.0	



Manual Integration Report

Data Path	: I:\8270\SV112\250928RVT\	QMethod	: FS250817SV112RVT.m
Data File	: 57076-08.D	Operator	: SV112:smz
Date Inj'd	: 9/29/2025 4:18 am	Instrument	: SV112
Sample	: L2557076-08re,32,,RE,mrg	Quant Date	: 9/29/2025 4:37 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-06.D
 Acq On : 29 Sep 2025 4:40 am
 Operator : SV107:smz
 Sample : l2557076-06re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 30 09:29:10 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250928RVT\ABN0928.D
 : 2 - I:\8270\SV107\250928RVT\ADP0928.D
 : 3 - I:\8270\SV107\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.305	152	57351	4.000	ug/ml	0.00
Standard Area 1 = 52319			Recovery =	109.62%		
27) IS2_1,4-Dichlorobenzen...	6.305	152	57351	4.000	ug/ml	0.00
Standard Area 3 = 52161			Recovery =	109.95%		
35) IS1_Naphthalene-d8	7.744	136	212311	4.000	ug/ml	0.00
Standard Area 1 = 191529			Recovery =	110.85%		
55) IS2_Naphthalene-d8	7.744	136	212311	4.000	ug/ml	0.00
Standard Area 3 = 190696			Recovery =	111.33%		
63) IS1_Acenaphthene-d10	9.513	164	124927	4.000	ug/ml	0.00
Standard Area 1 = 112121			Recovery =	111.42%		
83) IS2_Acenaphthene-d10	9.513	164	124927	4.000	ug/ml	0.00
Standard Area 3 = 106979			Recovery =	116.78%		
86) IS3_Acenaphthene-d10	9.513	164	124927	4.000	ug/ml	0.00
Standard Area 2 = 102007			Recovery =	122.47%		
88) IS1_Phenanthrene-d10	10.952	188	253209	4.000	ug/ml	0.00
Standard Area 1 = 201380			Recovery =	125.74%		
100) IS3_Phenanthrene-d10	10.952	188	253209	4.000	ug/ml	0.00
Standard Area 2 = 199559			Recovery =	126.88%		
104) IS1_Chrysene-d12	13.581	240	196619	4.000	ug/ml	0.00
Standard Area 1 = 159830			Recovery =	123.02%		
113) IS1_Perylene-d12	15.042	264	192921	4.000	ug/ml	-0.02
Standard Area 1 = 145781			Recovery =	132.34%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.288	112	12964	0.876	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	43.80%		
7) Phenol-d6	5.929	99	11072	0.609	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	30.45%		
19) Nitrobenzene-d5	6.970	82	10351	0.616	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	61.60%		
46) 2-Fluorobiphenyl	8.876	172	26835	0.580	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	58.00%		
79) 2,4,6-Tribromophenol	10.280	330	5355	1.125	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	56.25%		
96) 4-Terphenyl-d14	12.540	244	29224	0.534	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	53.40%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-06.D
 Acq On : 29 Sep 2025 4:40 am
 Operator : SV107:smz
 Sample : l2557076-06re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 30 09:29:10 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250928RVT\ABN0928.D
 : 2 - I:\8270\SV107\250928RVT\ADP0928.D
 : 3 - I:\8270\SV107\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-06.D
 Acq On : 29 Sep 2025 4:40 am
 Operator : SV107:smz
 Sample : l2557076-06re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 30 09:29:10 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250928RVT\ABN0928.D
 : 2 - I:\8270\SV107\250928RVT\ADP0928.D
 : 3 - I:\8270\SV107\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75)	4-Nitroaniline	0.000		0	N.D.		
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	0.000		0	N.D.		
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.		
92)	Di-n-butylphthalate	11.598	149	22773	0.336	ug/ml	98
97)	Butyl benzyl phthalate	0.000		0	N.D.		
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
108)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109)	Di-n-octylphthalate	0.000		0	N.D.	d	

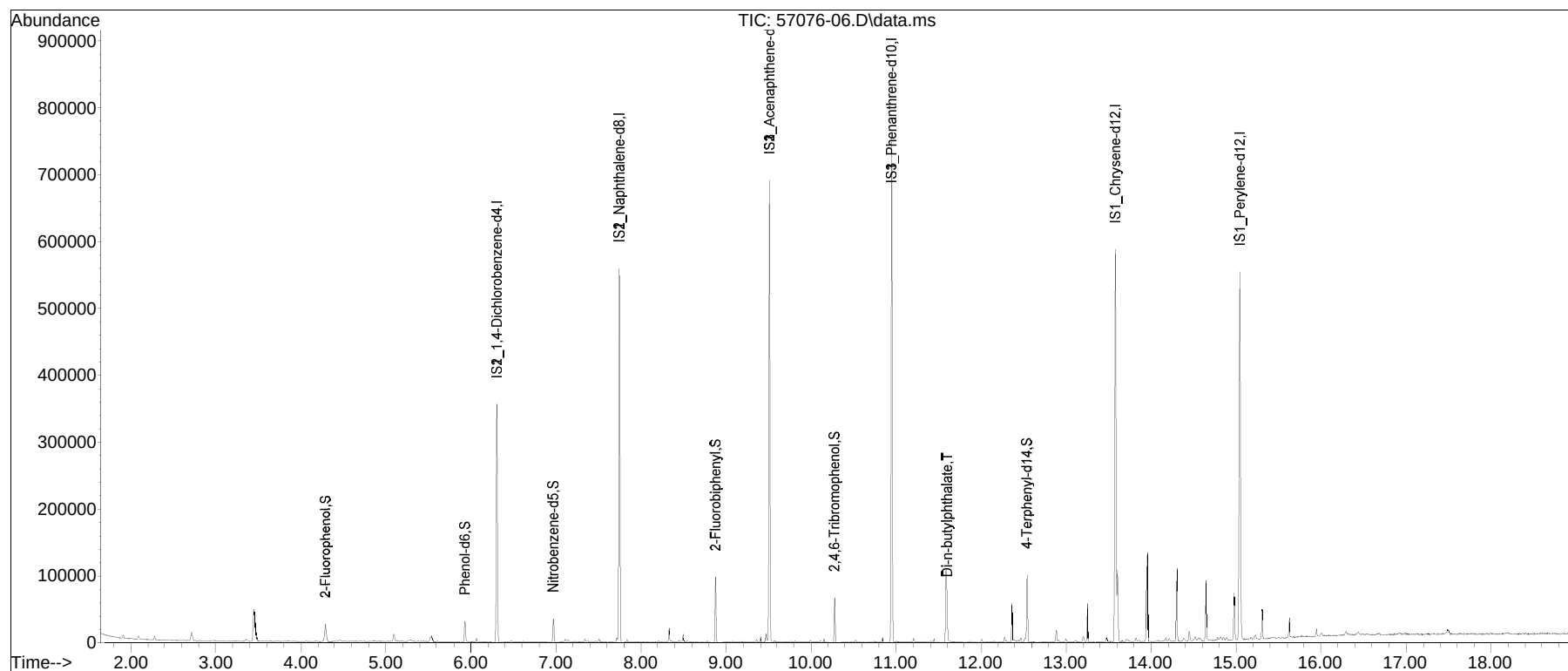
(#) = qualifier out of range (m) = manual integration (+) = signals summed

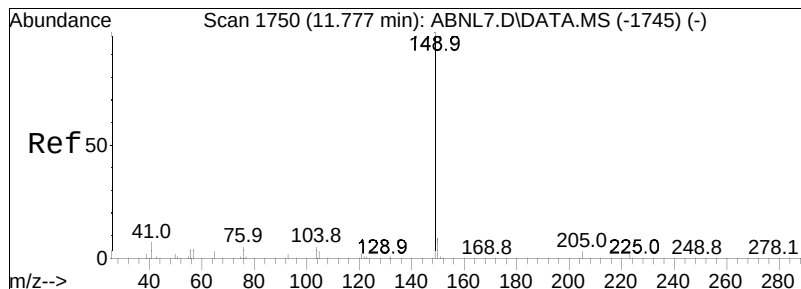
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : 57076-06.D
 Acq On : 29 Sep 2025 4:40 am
 Operator : SV107:smz
 Sample : l2557076-06re,32,,mrg
 Misc : wg2120753,wg2120226,ical22592
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 30 09:29:10 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

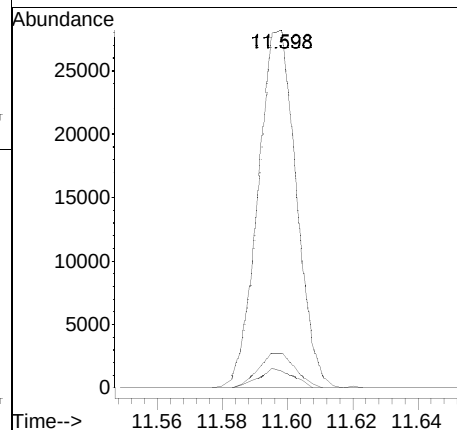
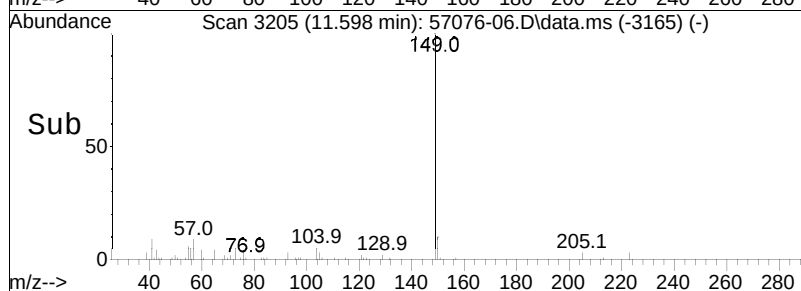
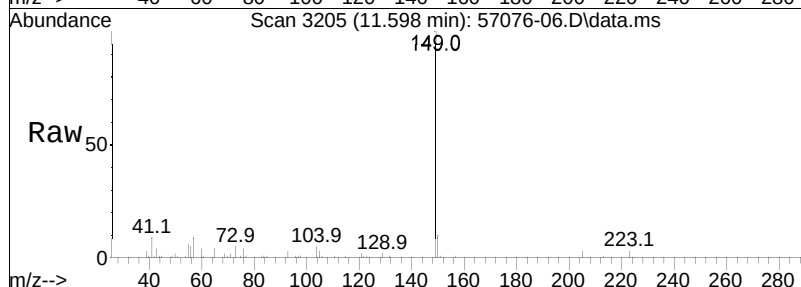
Sub List : 8270IC\827006\SV107\250928RVT\MA90928.D•





#92
 Di-n-butylphthalate
 Concen: 0.34 ug/ml
 RT: 11.598 min Scan# 3205
 Delta R.T. 0.000 min
 Lab File: 57076-06.D
 Acq: 29 Sep 2025 4:40 am

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	22773		
150	9.5	7.0	10.6	
104	5.0	4.5	6.7	



Manual Integration Report

Data Path	: I:\8270\SV107\250928RVT\	QMethod	: FS250826SV107RVT.m
Data File	: 57076-06.D	Operator	: SV107:smz
Date Inj'd	: 9/29/2025 4:40 am	Instrument	: SV107
Sample	: l2557076-06re,32,,mrg	Quant Date	: 9/29/2025 4:59 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : 57076-09.D
 Acq On : 29 Sep 2025 04:41 am
 Operator : SV112:smz
 Sample : L2557076-09re,32,,RE,mrg
 Misc : wg2120745,WG2120226,ical22560
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 29 16:06:14 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250928RVT\ABN0928.D
 : 2 - I:\8270\SV112\250928RVT\ADP0928.D
 : 3 - I:\8270\SV112\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.496	152	23459	4.000	ug/ml	0.00
Standard Area 1 = 19896			Recovery =	117.91%		
27) IS2_1,4-Dichlorobenzen...	4.496	152	23459	4.000	ug/ml	0.00
Standard Area 3 = 20764			Recovery =	112.98%		
35) IS1_Naphthalene-d8	5.725	136	89312	4.000	ug/ml	0.00
Standard Area 1 = 75600			Recovery =	118.14%		
55) IS2_Naphthalene-d8	5.725	136	89312	4.000	ug/ml	0.00
Standard Area 3 = 77713			Recovery =	114.93%		
63) IS1_Acenaphthene-d10	7.419	164	57745	4.000	ug/ml	0.00
Standard Area 1 = 48212			Recovery =	119.77%		
83) IS2_Acenaphthene-d10	7.419	164	57745	4.000	ug/ml	0.00
Standard Area 3 = 48169			Recovery =	119.88%		
86) IS3_Acenaphthene-d10	7.419	164	57745	4.000	ug/ml	0.00
Standard Area 2 = 41487			Recovery =	139.19%		
88) IS1_Phenanthrene-d10	8.837	188	138290	4.000	ug/ml	# 0.00
Standard Area 1 = 103206			Recovery =	133.99%		
100) IS3_Phenanthrene-d10	8.837	188	138290	4.000	ug/ml	# 0.00
Standard Area 2 = 92101			Recovery =	150.15%		
104) IS1_Chrysene-d12	11.431	240	159786	4.000	ug/ml	#-0.01
Standard Area 1 = 116026			Recovery =	137.72%		
113) IS1_Perylene-d12	12.878	264	177253	4.000	ug/ml	0.00
Standard Area 1 = 125196			Recovery =	141.58%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.249	112	5094	0.786	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	39.30%		
7) Phenol-d6	4.219	99	4481	0.535	ug/ml	0.02
Spiked Amount 2.000	Range 15 - 110		Recovery =	26.75%		
19) Nitrobenzene-d5	5.037	82	4141	0.522	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	52.20%		
46) 2-Fluorobiphenyl	6.796	172	10723	0.518	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	51.80%		
79) 2,4,6-Tribromophenol	8.184	330	4942	1.346	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	67.30%		
96) 4-Terphenyl-d14	10.407	244	22672	0.614	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	61.40%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : 57076-09.D
 Acq On : 29 Sep 2025 04:41 am
 Operator : SV112:smz
 Sample : L2557076-09re,32,,RE,mrg
 Misc : wg2120745,WG2120226,ical22560
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 29 16:06:14 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250928RVT\ABN0928.D
 : 2 - I:\8270\SV112\250928RVT\ADP0928.D
 : 3 - I:\8270\SV112\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : 57076-09.D
 Acq On : 29 Sep 2025 04:41 am
 Operator : SV112:smz
 Sample : L2557076-09re,32,,RE,mrg
 Misc : wg2120745,WG2120226,ical22560
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 29 16:06:14 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250928RVT\ABN0928.D
 : 2 - I:\8270\SV112\250928RVT\ADP0928.D
 : 3 - I:\8270\SV112\250928RVT\AP90928.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75)	4-Nitroaniline	0.000		0		N.D.	
76)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
77)	NDPA/DPA	0.000		0		N.D.	
80)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	9.472	149	17072	0.424	ug/ml	99
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D. d	
109)	Di-n-octylphthalate	0.000		0		N.D.	

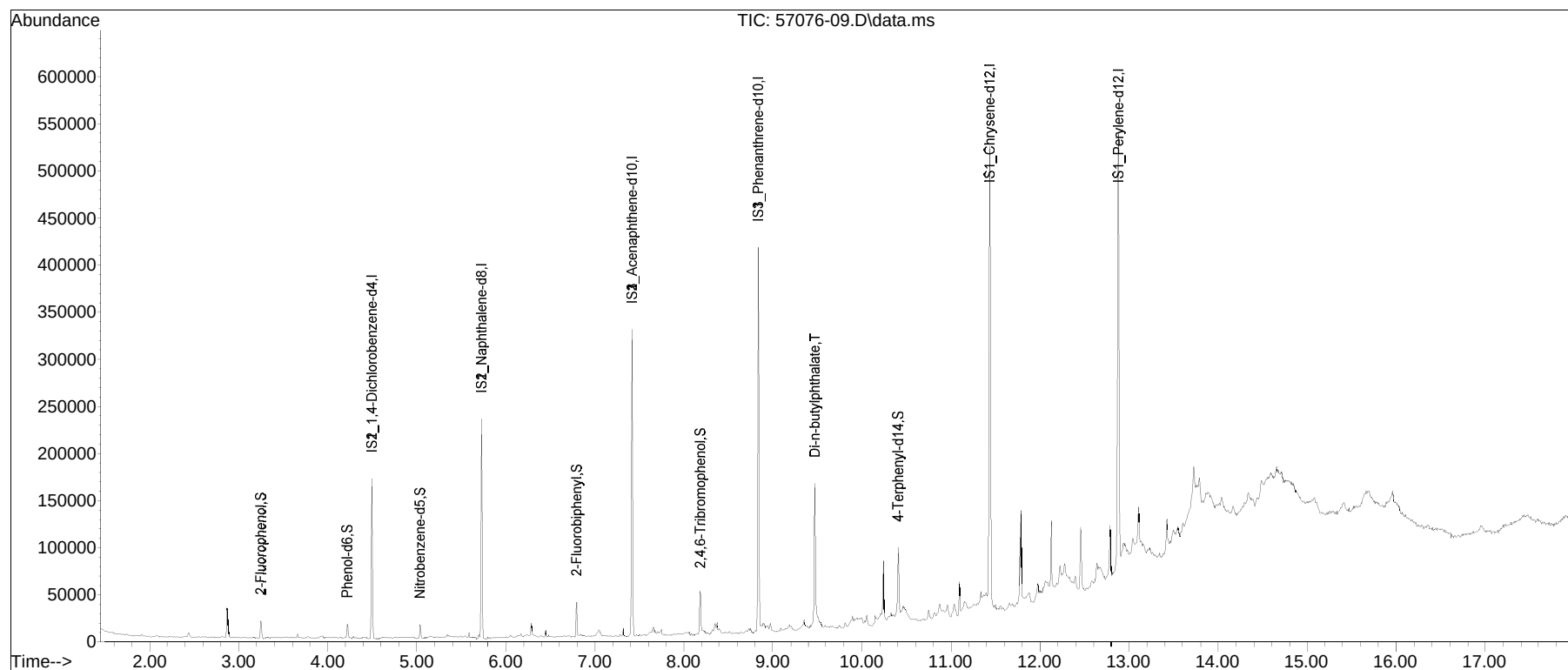
(#) = qualifier out of range (m) = manual integration (+) = signals summed

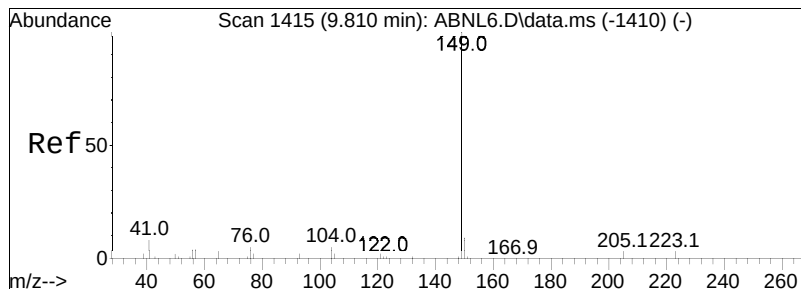
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : 57076-09.D
 Acq On : 29 Sep 2025 04:41 am
 Operator : SV112:smz
 Sample : L2557076-09re, 32,, RE, mrg
 Misc : wg2120745, WG2120226, ical22560
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 29 16:06:14 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

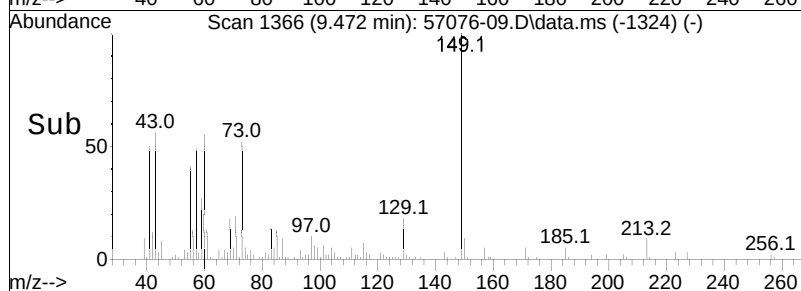
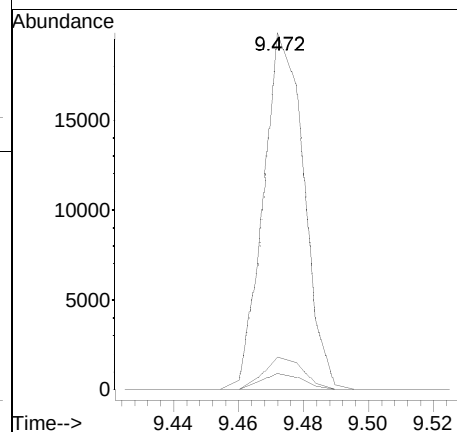
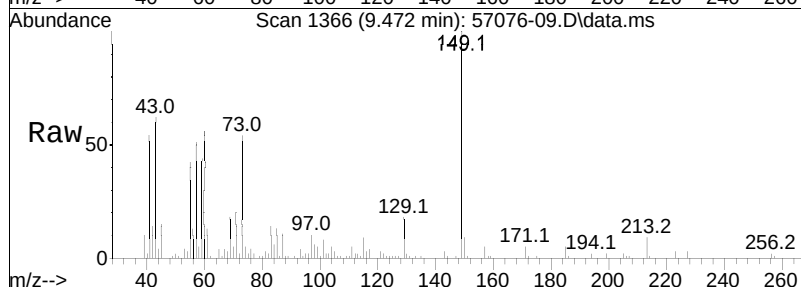
Sub List : 8270IC\827001\SV112\250928RVT\250928.D•





#92
 Di-n-butylphthalate
 Concen: 0.42 ug/ml
 RT: 9.472 min Scan# 1366
 Delta R.T. -0.006 min
 Lab File: 57076-09.D
 Acq: 29 Sep 2025 04:41 am

Tgt Ion:	149	Resp:	17072
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.3	10.9
104	4.5	4.0	6.0



Manual Integration Report

Data Path	: I:\8270\SV112\250928RVT\	QMethod	: FS250817SV112RVT.m
Data File	: 57076-09.D	Operator	: SV112:smz
Date Inj'd	: 9/29/2025 4:41 am	Instrument	: SV112
Sample	: L2557076-09re,32,,RE,mrg	Quant Date	: 9/29/2025 5:00 am

There are no manual integrations or false positives in this file.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Calibration dates : 08/17/25 18:26 08/18/25 06:05

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22560

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----										
2) T N-Nitrosodimethylamine	0.731	0.626	0.651	0.652	0.768	0.882	0.989	0.912	0.916	0.792	17.20
3) T Pyridine		1.100	1.121	1.024	1.283	1.391	1.753	1.555	1.568	1.349	19.38
4) S 2-Fluorophenol	1.059	0.795	0.960	0.883	1.020	1.244	1.390	1.303	1.291	1.105	18.92
5) T Aniline	1.360	1.271	1.604	1.714	1.935	2.250	2.526	2.306	2.264	*L	0.9976
6) T 2-Chlorophenol	1.074	1.088	1.113	1.052	1.225	1.477	1.619	1.472	1.462	1.287	17.06
7) S Phenol-d6	1.102	1.198	1.263	1.213	1.301	1.639	1.819	1.669	1.648	1.428	18.40
8) T Phenol	1.332	1.371	1.380	1.299	1.527	1.765	1.974	1.809	1.773	1.581	15.90
9) T bis(2-Chloroethyl)ether	1.360	1.277	1.114	1.093	1.260	1.433	1.556	1.401	1.379	1.319	11.35
10) T 1,3-Dichlorobenzene	1.547	1.563	1.467	1.352	1.486	1.686	1.817	1.635	1.608	1.573	8.58
11) T 1,4-Dichlorobenzene	1.679	1.472	1.473	1.426	1.512	1.740	1.848	1.681	1.666	1.611	9.00
12) T 1,2-Dichlorobenzene	1.577	1.545	1.301	1.347	1.498	1.688	1.806	1.636	1.614	1.557	10.22
13) T Benzyl alcohol		0.892	0.908	0.887	1.005	1.234	1.415	1.313	1.319	1.122	19.68
14) T bis(2-chloroisopropyl)ether	1.965	2.006	1.889	1.876	2.095	2.340	2.607	2.325	2.231	2.148	11.44
15) T 2-Methylphenol	0.895	0.980	0.965	0.942	1.086	1.309	1.464	1.386	1.366	1.155	19.40
16) T Hexachloroethane	0.507	0.537	0.561	0.522	0.564	0.644	0.708	0.658	0.665	0.596	12.24
17) T n-Nitrosodi-n-propylamine	0.921	0.851	0.831	0.868	0.949	1.150	1.308	1.203	1.209	1.032	17.80
18) T 3-Methylphenol/4-Methylphenol	1.091	1.066	1.068	1.039	1.201	1.413	1.606	1.473	1.477	1.270	17.38
19) S Nitrobenzene-d5	1.183	1.112	1.079	1.094	1.225	1.528	1.726	1.618	1.621	1.354	19.50
20) T Nitrobenzene	1.223	1.116	1.254	1.124	1.257	1.569	1.813	1.651	1.639	1.405	18.65
21) T Isophorone	2.634	2.400	2.332	2.330	2.657	3.225	3.580	3.263	3.223	2.849	16.68
22) T 2-Nitrophenol			0.461	0.513	0.531	0.709	0.847	0.812	0.820	*L	0.9974
23) T 2,4-Dimethylphenol			1.190	1.154	1.373	1.644	1.849	1.680	1.676	1.510	17.88
24) T bis(2-Chloroethoxy)methane	1.643	1.659	1.493	1.518	1.709	2.020	2.230	2.005	1.990	1.807	14.35
25) T 2,4-Dichlorophenol			1.056	0.989	1.135	1.465	1.633	1.532	1.532	1.335	19.84
26) T 1,2,4-Trichlorobenzene	1.556	1.392	1.355	1.318	1.455	1.654	1.807	1.655	1.656	1.539	10.87
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----										
28) T Benzaldehyde	0.483	0.631	0.700	0.588	0.584	0.562	0.602	0.587	0.634	0.597	9.83
29) T Acetophenone	1.829	2.083	2.233	1.955	1.887	1.884	1.957	1.950	2.043	1.980	6.22
30) T m-Toluidine			1.030	1.058	1.104	1.190	1.269	1.288	1.400	1.191	11.37
31) T 2-Chloroaniline	1.502	1.695	1.954	1.708	1.586	1.638	1.691	1.674	1.744	1.688	7.32
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) T 1,4-Dioxane	0.664	0.639	0.691	0.503	0.465	0.505	0.494	0.474	0.481	0.546	16.63
34) T n-Decane	1.791	1.463	1.802	1.534	1.545	1.593	1.580	1.541	1.568	1.602	7.27
35) I IS1_Naphthalene-d8	-----ISTD-----										
36) T Naphthalene	1.101	1.122	0.994	0.904	1.051	1.145	1.226	1.049	0.972	1.063	9.22



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Calibration dates : 08/17/25 18:26 08/18/25 06:05

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22560

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37) T Benzoic Acid					0.138	0.222	0.294	0.303	0.319	*L	0.9995
38) T 4-Chloroaniline	0.128	0.108	0.121	0.124	0.144	0.159	0.183	0.161	0.167	0.144	17.40
39) T Hexachlorobutadiene	0.262	0.259	0.226	0.215	0.226	0.271	0.289	0.263	0.266	0.253	9.70
40) T p-Chloro-m-cresol		0.265	0.270	0.247	0.306	0.368	0.421	0.375	0.378	0.329	19.66
41) T 2-Methylnaphthalene	0.666	0.643	0.616	0.579	0.646	0.735	0.798	0.698	0.679	0.674	9.65
42) T 1-Methylnaphthalene	0.304	0.259	0.218	0.227	0.262	0.285	0.312	0.275	0.283	0.269	11.78
43) T Hexachlorocyclopentadiene				0.224	0.248	0.332	0.383	0.360	0.369	*L	0.9983
44) T 2,4,6-Trichlorophenol		0.193	0.194	0.203	0.242	0.305	0.346	0.318	0.329	*L	0.9971
45) T 2,4,5-Trichlorophenol			0.221	0.230	0.274	0.345	0.375	0.341	0.342	*L	0.9978
46) S 2-Fluorobiphenyl	0.911	0.876	0.847	0.831	0.920	1.037	1.086	0.945	0.889	0.927	9.16
47) T 2-Chloronaphthalene	0.751	0.743	0.716	0.689	0.775	0.865	0.928	0.818	0.787	0.786	9.54
48) T 2-Nitroaniline			0.158	0.165	0.200	0.241	0.291	0.272	0.279	*L	0.9978
49) T 1,4-Dinitrobenzene					0.099	0.123	0.143	0.134	0.142	0.128	14.10
50) T 1,3-Dinitrobenzene					0.107	0.139	0.165	0.153	0.161	0.145	16.05
51) T Dimethyl phthalate	0.893	0.942	0.892	0.844	1.029	1.147	1.215	1.036	0.971	0.996	12.34
52) T Acenaphthylene	1.230	1.173	1.161	1.094	1.338	1.498	1.558	1.306	1.180	1.282	12.38
53) T 2,6-Dinitrotoluene			0.144	0.135	0.180	0.222	0.244	0.238	0.245	*L	0.9986
54) T 1,2-Dinitrobenzene					0.074	0.092	0.105	0.097	0.100	0.094	12.65
55) I IS2_Naphthalene-d8	-----ISTD-----										
56) T a-Terpeneol	0.252	0.294	0.331	0.297	0.291	0.291	0.301	0.311	0.313	0.298	7.23
57) T 3-Chloroaniline		0.128	0.162	0.135	0.131	0.136	0.137	0.138	0.140	0.138	7.35
58) T 2,6-Dichlorophenol	0.225	0.269	0.295	0.277	0.278	0.289	0.295	0.304	0.310	0.282	8.94
59) T 1-chloro-2-nitrobenzene	0.097	0.156	0.145	0.138	0.133	0.136	0.139	0.145	0.150	0.137	12.23
60) T Caprolactam		0.115	0.183	0.172	0.167	0.174	0.191	0.207	0.210	0.177	16.78
61) T 1,2,4,5-Tetrachlorobenzene	0.385	0.485	0.543	0.465	0.433	0.424	0.421	0.419	0.415	0.443	10.65
62) T Biphenyl	0.920	1.102	1.222	1.009	0.941	0.934	0.933	0.902	0.842	0.978	11.90
63) I IS1_Acenaphthene-d10	-----ISTD-----										
64) T 3-Nitroaniline			0.223	0.231	0.300	0.358	0.419	0.378	0.380	*L	0.9977
65) T Acenaphthene	1.109	1.070	1.052	0.938	1.090	1.187	1.292	1.120	1.061	1.102	8.85
66) T 2,4-Dinitrophenol				0.070	0.121	0.175	0.218	0.210	0.223	*L	0.9981
67) T Dibenzofuran	1.906	1.766	1.695	1.626	1.886	2.021	2.153	1.810	1.637	1.833	9.67
68) T 2,4-Dinitrotoluene			0.291	0.287	0.376	0.451	0.531	0.472	0.483	*L	0.9974
69) T 4-Nitrophenol			0.168	0.188	0.246	0.321	0.371	0.319	0.321	*L	0.9957
70) T 2,3,5,6-Tetrachlorophenol			0.271	0.299	0.350	0.454	0.512	0.476	0.481	*L	0.9995
71) T 2,3,4,6-Tetrachlorophenol			0.271	0.285	0.380	0.465	0.504	0.462	0.470	*L	0.9995
72) T Diethyl phthalate	1.545	1.453	1.320	1.277	1.616	1.769	1.905	1.652	1.544	1.565	12.86



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Calibration dates : 08/17/25 18:26 08/18/25 06:05

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22560

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73) T Fluorene	1.630	1.355	1.366	1.256	1.528	1.650	1.741	1.496	1.383	1.489	10.86
74) T 4-Chlorophenyl-phenylether	0.855	0.798	0.698	0.666	0.776	0.830	0.890	0.771	0.764	0.783	9.12
75) T 4-Nitroaniline			0.220	0.231	0.321	0.360	0.415	0.368	0.372	*L	0.9976
76) T 4,6-Dinitro-o-cresol				0.150	0.218	0.260	0.307	0.295	0.306	*L	0.9992
77) T NDPA/DPA	1.236	1.104	1.128	1.050	1.297	1.390	1.493	1.284	1.228	1.246	11.30
78) T Azobenzene	1.175	1.212	1.217	1.164	1.498	1.603	1.663	1.448	1.358	1.371	13.92
79) S 2,4,6-Tribromophenol		0.210	0.199	0.203	0.236	0.275	0.313	0.294	0.304	0.254	18.72
80) T 4-Bromophenyl-phenylether	0.484	0.510	0.457	0.425	0.492	0.562	0.619	0.531	0.530	0.512	11.24
81) T Hexachlorobenzene	0.695	0.584	0.544	0.503	0.577	0.639	0.699	0.610	0.610	0.607	10.64
82) T Pentachlorophenol				0.178	0.271	0.354	0.433	0.410	0.424	*L	0.9985
83) I IS2_Acenaphthene-d10	-----ISTD-----										
84) T Dichloran	0.117	0.170	0.201	0.171	0.163	0.167	0.191	0.211	0.224	0.179	17.65
85) T Pentachloronitrobenzene	0.164	0.201	0.218	0.194	0.186	0.194	0.221	0.231	0.234	0.205	11.31
86) I IS3_Acenaphthene-d10	-----ISTD-----										
87) T Atrazine	0.517	0.437	0.482	0.407	0.410	0.472	0.467	0.473	0.501	0.463	8.17
88) I IS1_Phenanthrene-d10	-----ISTD-----										
89) T Phenanthrene	1.142	1.100	1.023	0.990	1.145	1.187	1.282	1.075	0.947	1.099	9.46
90) T Anthracene	1.127	1.032	0.979	0.961	1.140	1.224	1.313	1.088	0.956	1.091	11.30
91) T Carbazole	0.919	0.917	0.872	0.853	1.069	1.132	1.214	1.032	0.932	0.993	12.56
92) T Di-n-butylphthalate	1.066	0.990	0.970	0.971	1.216	1.365	1.529	1.281	1.085	1.164	16.95
93) T Fluoranthene	1.376	1.258	1.216	1.156	1.451	1.497	1.599	1.292	1.119	1.329	12.24
94) T Benzidine				0.539	0.789	0.901	1.051	0.915	0.842	*L	0.9918
95) T Pyrene	1.314	1.314	1.277	1.208	1.565	1.569	1.629	1.314	1.115	1.367	13.05
96) S 4-Terphenyl-d14	1.124	1.027	0.977	0.927	1.156	1.185	1.248	1.039	0.927	1.068	10.87
97) T Butyl benzyl phthalate			0.387	0.390	0.505	0.579	0.689	0.623	0.592	*L	0.9961
98) I IS2_Phenanthrene-d10	-----ISTD-----										
99) T Diphenamid	0.414	0.482	0.547	0.466	0.486	0.487	0.527	0.524	0.517	0.494	8.12
100) I IS3_Phenanthrene-d10	-----ISTD-----										
101) T n-Octadecane	0.558	0.479	0.550	0.452	0.454	0.491	0.500	0.499	0.482	0.496	7.46
102) T Parathion	0.116	0.094	0.103	0.090	0.088	0.099	0.108	0.123	0.137	0.106	15.40
103) T 3,3'-Dimethylbenzidine				0.541	0.582	0.768	0.849	0.847	0.835	0.737	18.97
104) I IS1_Chrysene-d12	-----ISTD-----										
105) T Benzo[a]anthracene	1.440	1.236	1.148	1.119	1.308	1.423	1.569	1.341	1.189	1.308	11.49
106) T 3,3'-Dichlorobenzidine	0.431	0.374	0.376	0.378	0.454	0.551	0.627	0.547	0.522	0.473	19.48
107) T Chrysene	1.298	1.199	1.168	1.097	1.274	1.357	1.430	1.135	0.985	1.216	11.36
108) T bis(2-Ethylhexyl)phthalate		0.563	0.533	0.553	0.676	0.835	0.964	0.865	0.802	*L	0.9942



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Calibration dates : 08/17/25 18:26 08/18/25 06:05

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22560

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109) T Di-n-octylphthalate			0.831	0.875	1.083	1.385	1.633	1.400	1.224	*Q	0.9962
110) T Benzo(b)fluoranthene	1.333	1.176	1.089	1.118	1.308	1.380	1.563	1.304	1.282	1.283	11.29
111) T Benzo(k)fluoranthene	1.276	1.108	1.140	1.102	1.327	1.469	1.528	1.257	1.054	1.251	13.40
112) T Benzo(a)pyrene	1.139	1.055	0.995	1.032	1.228	1.345	1.480	1.258	1.162	1.188	13.28
113) I IS1_Perylene-d12	-----ISTD-----										
114) T Indeno(1,2,3-cd)pyrene	1.010	1.007	0.898	0.885	1.064	1.242	1.394	1.213	1.228	1.105	15.70
115) T Dibenzo[a,h]anthracene	0.980	0.957	0.916	0.913	1.088	1.226	1.321	1.123	1.054	1.064	13.28
116) T Benzo(g,h,i)perylene	1.055	1.052	0.949	0.939	1.124	1.239	1.330	1.155	1.102	1.105	11.47



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Calibration dates : 08/20/25 12:47 08/20/25 23:44

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22568

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----										
2) t N-Nitrosodimethylamine	0.577	0.598	0.609	0.613	0.578	0.591	0.582	0.581	0.619	0.594	2.73
3) t Pyridine		0.611	0.673	0.676	0.654	0.712	0.741	0.843	0.921	*L	0.9927
4) S 2-Fluorophenol	0.741	0.777	0.906	0.965	0.866	0.902	0.896	0.909	0.966	0.881	8.69
5) T Aniline	0.942	1.377	1.518	1.640	1.560	1.530	1.542	1.569	1.675	1.484	14.81
6) t 2-Chlorophenol	0.985	1.034	1.103	1.092	1.054	1.078	1.073	1.087	1.171	1.075	4.72
7) S Phenol-d6	1.098	1.215	1.342	1.193	1.097	1.134	1.128	1.143	1.228	1.175	6.68
8) T Phenol	1.200	1.279	1.357	1.430	1.351	1.357	1.340	1.380	1.467	1.351	5.77
9) T bis(2-Chloroethyl)ether	0.919	1.013	1.043	1.021	0.973	0.934	0.907	0.918	0.981	0.968	5.21
10) T 1,3-Dichlorobenzene	1.561	1.545	1.596	1.605	1.502	1.464	1.431	1.421	1.515	1.515	4.44
11) T 1,4-Dichlorobenzene	1.356	1.667	1.656	1.635	1.498	1.503	1.464	1.445	1.562	1.532	6.93
12) T 1,2-Dichlorobenzene	1.399	1.538	1.508	1.588	1.417	1.449	1.392	1.411	1.506	1.467	4.76
13) t Benzyl alcohol	0.620	0.713	0.892	0.873	0.814	0.826	0.847	0.900	0.973	0.829	12.76
14) T bis(2-chloroisopropyl)ether	1.746	1.925	1.794	1.749	1.706	1.655	1.600	1.616	1.725	1.724	5.74
15) T 2-Methylphenol	0.756	0.780	0.983	0.900	0.941	0.935	0.944	0.960	1.040	0.915	10.07
16) T Hexachloroethane	0.421	0.607	0.585	0.592	0.531	0.518	0.518	0.525	0.558	0.539	10.34
17) T n-Nitrosodi-n-propylamine	0.856	0.694	0.813	0.790	0.768	0.783	0.777	0.826	0.867	0.797	6.53
18) T 3-Methylphenol/4-Methylphenol	1.006	1.049	1.029	1.007	0.961	0.999	1.024	1.055	1.122	1.028	4.39
19) S Nitrobenzene-d5	1.248	0.917	1.027	1.175	1.059	1.119	1.117	1.162	1.227	1.117	9.31
20) T Nitrobenzene	1.048	0.993	1.159	1.112	1.106	1.159	1.124	1.195	1.261	1.128	6.95
21) T Isophorone	1.667	1.950	2.067	2.087	1.997	2.102	2.099	2.223	2.343	2.059	9.10
22) T 2-Nitrophenol			0.450	0.515	0.473	0.508	0.537	0.590	0.634	0.530	12.14
23) T 2,4-Dimethylphenol	0.828	0.933	1.052	1.115	1.050	1.093	1.097	1.158	1.219	1.061	11.09
24) T bis(2-Chloroethoxy)methane	1.341	1.351	1.449	1.441	1.298	1.349	1.306	1.362	1.424	1.369	4.10
25) T 2,4-Dichlorophenol		1.045	1.134	1.240	1.130	1.158	1.190	1.253	1.361	1.189	8.05
26) T 1,2,4-Trichlorobenzene	1.454	1.370	1.544	1.546	1.437	1.486	1.475	1.496	1.643	1.494	5.18
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----										
28) T Benzaldehyde			0.672	0.588	0.496	0.489	0.488	0.495	0.510	0.534	13.12
29) T Acetophenone	1.576	1.918	1.940	1.655	1.532	1.523	1.565	1.597	1.661	1.663	9.51
30) T m-Toluidine			0.953	0.792	0.880	0.958	1.004	1.029	1.080	0.957	10.06
31) T 2-Chloroaniline	1.272	1.488	1.695	1.374	1.376	1.405	1.450	1.458	1.505	1.447	8.06
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) T 1,4-Dioxane			0.437	0.421	0.402	0.408	0.405	0.396	0.411		3.66
34) t n-Nitrosodieth									0.000		-1.00
35) T n-Decane	1.620	1.286	1.394	1.260	1.144	1.198	1.201	1.165	1.164	1.270	12.01
36) t n-Nitrosopyrro									0.000		-1.00



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Calibration dates : 08/20/25 12:47 08/20/25 23:44

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22568

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37) I IS1_Naphthalene-d8	-----ISTD-----										
38) T Naphthalene	1.023	0.995	1.038	1.024	0.972	0.964	0.964	0.955	1.005	0.993	3.11
39) T Benzoic Acid			0.052	0.076	0.112	0.127	0.162	0.208	0.235	*Q	0.9977
40) T 4-Chloroaniline	0.154	0.114	0.140	0.125	0.116	0.118	0.122	0.122	0.129	0.127	10.24
41) T Hexachlorobutadiene	0.292	0.260	0.266	0.274	0.264	0.260	0.262	0.262	0.288	0.270	4.49
42) T p-Chloro-m-cresol	0.235	0.285	0.243	0.252	0.263	0.259	0.266	0.274	0.291	0.263	7.05
43) T 2-Methylnaphthalene	0.598	0.634	0.700	0.671	0.647	0.644	0.655	0.654	0.697	0.656	4.82
44) T 1-Methylnaphthalene	0.275	0.242	0.262	0.246	0.230	0.230	0.234	0.234	0.249	0.245	6.32
45) T Hexachlorocyclopentadiene	0.222	0.278	0.304	0.300	0.305	0.314	0.318	0.336	0.373	0.306	13.42
46) T 2,4,6-Trichlorophenol	0.231	0.236	0.279	0.279	0.280	0.279	0.293	0.309	0.337	0.280	11.63
47) T 2,4,5-Trichlorophenol	0.274	0.264	0.289	0.296	0.304	0.318	0.332	0.338	0.372	0.310	10.99
48) S 2-Fluorobiphenyl	0.966	0.983	1.004	1.001	0.982	0.965	0.956	0.976	1.052	0.987	2.93
49) T 2-Chloronaphthalene	0.772	0.781	0.829	0.822	0.808	0.798	0.797	0.810	0.876	0.810	3.77
50) T 2-Nitroaniline			0.179	0.173	0.186	0.200	0.214	0.231	0.246	0.204	13.37
51) T 1,4-Dinitrobenzene	0.093	0.088	0.097	0.093	0.098	0.102	0.108	0.121	0.128	0.103	13.24
52) T 1,3-Dinitrobenzene		0.086	0.098	0.109	0.113	0.120	0.126	0.138	0.149	0.117	17.64
53) T Dimethyl phthalate	0.964	0.928	1.008	1.049	1.020	1.019	0.989	1.046	1.107	1.014	5.11
54) T Acenaphthylene	1.065	1.169	1.235	1.288	1.290	1.294	1.279	1.342	1.432	1.266	8.19
55) T 2,6-Dinitrotoluene			0.174	0.191	0.194	0.197	0.196	0.214	0.228	0.199	8.64
56) T 1,2-Dinitrobenzene		0.056	0.067	0.066	0.072	0.076	0.078	0.086	0.089	0.074	15.07
57) I IS2_Naphthalene-d8	-----ISTD-----										
58) T a-Terpineol	0.191	0.256	0.322	0.246	0.223	0.230	0.236	0.245	0.257	0.245	14.38
59) T 3-Chloroaniline			0.137	0.114	0.116	0.120	0.119	0.124	0.122		6.99
60) T 2,6-Dichlorophenol	0.273	0.361	0.373	0.321	0.308	0.316	0.326	0.332	0.356	0.330	9.32
61) T 1-chloro-2-nitrobenzene	0.130	0.169	0.149	0.116	0.117	0.129	0.133	0.131	0.139	0.135	12.21
62) T Caprolactam			0.135	0.124	0.102	0.120	0.131	0.136	0.149	0.128	11.40
63) T 1,2,4,5-Tetrachlorobenzene	0.566	0.485	0.556	0.490	0.458	0.460	0.472	0.468	0.502	0.495	8.07
64) T Biphenyl	0.996	1.084	1.212	1.022	0.960	0.953	0.993	0.958	1.005	1.020	8.10
65) I IS1_Acenaphthene-d10	-----ISTD-----										
66) T 3-Nitroaniline			0.256	0.259	0.255	0.268	0.284	0.294	0.301	0.274	6.99
67) T Acenaphthene	1.116	1.079	1.113	1.055	0.992	0.966	0.974	0.979	1.038	1.035	5.76
68) T 2,4-Dinitrophenol			0.124	0.135	0.148	0.169	0.184	0.190	0.158		16.84
69) T Dibenzofuran	1.893	1.923	1.955	1.862	1.743	1.701	1.721	1.712	1.822	1.815	5.41
70) T 2,4-Dinitrotoluene	0.315	0.316	0.353	0.343	0.364	0.374	0.394	0.417	0.447	0.369	12.03
71) T 4-Nitrophenol		0.189	0.181	0.191	0.198	0.202	0.210	0.223	0.234	0.204	8.91
72) T 2,3,5,6-Tetrachlorophenol	0.221	0.352	0.403	0.367	0.359	0.370	0.391	0.416	0.449	0.370	17.27



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Calibration dates : 08/20/25 12:47 08/20/25 23:44

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22568

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73) T 2,3,4,6-Tetrachlorophenol	0.372	0.352	0.385	0.403	0.368	0.375	0.392	0.404	0.432	0.387	6.17
74) T Diethyl phthalate	1.369	1.351	1.418	1.458	1.388	1.369	1.369	1.380	1.447	1.394	2.70
75) T Fluorene	1.344	1.432	1.518	1.485	1.364	1.331	1.350	1.373	1.471	1.408	4.97
76) T 4-Chlorophenyl-phenylether	0.750	0.784	0.818	0.785	0.735	0.731	0.726	0.736	0.779	0.760	4.23
77) T 4-Nitroaniline	0.221	0.257	0.264	0.270	0.267	0.278	0.299	0.308	0.270	0.270	9.83
78) T 4,6-Dinitro-o-cresol	0.193	0.212	0.227	0.238	0.266	0.282	0.236	0.236	0.236	0.236	14.16
79) T NDPA/DPA	1.229	1.213	1.300	1.235	1.219	1.174	1.178	1.190	1.279	1.224	3.52
80) T Azobenzene	1.069	1.117	1.187	1.224	1.170	1.146	1.140	1.142	1.196	1.155	4.00
81) S 2,4,6-Tribromophenol	0.204	0.262	0.229	0.216	0.213	0.213	0.227	0.236	0.264	0.229	9.28
82) T 4-Bromophenyl-phenylether	0.563	0.503	0.534	0.499	0.434	0.443	0.455	0.459	0.501	0.488	8.90
83) T Hexachlorobenzene	0.596	0.581	0.602	0.571	0.525	0.528	0.530	0.545	0.593	0.564	5.60
84) T Pentachlorophenol	0.283	0.288	0.278	0.293	0.315	0.326	0.360	0.306	0.306	0.306	9.58
85) I IS2_Acenaphthene-d10	-----ISTD-----										
86) T Dichloran	0.165	0.233	0.207	0.185	0.159	0.175	0.213	0.216	0.241	0.199	14.72
87) T Pentachloronitrobenzene	0.161	0.189	0.228	0.176	0.174	0.183	0.210	0.215	0.240	0.197	13.69
88) I IS3_Acenaphthene-d10	-----ISTD-----										
89) T Atrazine	0.563	0.500	0.537	0.439	0.416	0.463	0.461	0.471	0.526	0.486	9.97
90) I IS1_Phenanthrene-d10	-----ISTD-----										
91) T Phenanthrene	1.135	1.204	1.178	1.110	1.053	1.025	1.034	1.041	1.094	1.097	5.93
92) T Anthracene	0.994	1.001	1.123	1.072	1.042	1.025	1.053	1.073	1.142	1.058	4.79
93) T Carbazole	0.987	0.991	1.011	0.970	0.952	0.948	0.955	0.982	1.034	0.981	2.91
94) T Di-n-butylphthalate	0.983	0.897	1.001	0.971	1.020	1.063	1.102	1.135	1.188	1.040	8.70
95) T Fluoranthene	1.267	1.264	1.372	1.318	1.292	1.283	1.309	1.358	1.404	1.319	3.73
96) T Benzydine	0.606	0.636	0.737	0.761	0.829	0.896	0.744	14.88			
97) T Pyrene	1.352	1.382	1.502	1.401	1.376	1.383	1.382	1.432	1.485	1.411	3.68
98) S 4-Terphenyl-d14	0.975	0.953	1.068	1.046	1.018	1.023	1.018	1.074	1.142	1.035	5.41
99) T Butyl benzyl phthalate	0.392	0.371	0.410	0.445	0.483	0.542	0.581	0.461	17.07		
100) I IS2_Phenanthrene-d10	-----ISTD-----										
101) T Diphenamid	0.421	0.527	0.567	0.459	0.453	0.446	0.488	0.494	0.517	0.486	9.47
102) I IS3_Phenanthrene-d10	-----ISTD-----										
103) T n-Octadecane	0.511	0.401	0.378	0.339	0.323	0.347	0.349	0.311	0.350	0.368	16.31
104) T Parathion	0.063	0.100	0.097	0.078	0.069	0.085	0.090	0.099	0.117	*Q	0.9993
105) T 3,3'-Dimethylbenzidine	0.186	0.490	0.559	0.645	0.783	0.841	0.987	1.011	*Q	0.9979	
106) I IS1_Chrysene-d12	-----ISTD-----										
107) T Benzo[a]anthracene	1.220	1.174	1.244	1.261	1.192	1.183	1.219	1.202	1.241	1.215	2.47
108) T 3,3'-Dichlorobenzidine	0.313	0.398	0.445	0.433	0.440	0.454	0.473	0.487	0.501	0.438	12.76



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Calibration dates : 08/20/25 12:47 08/20/25 23:44

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22568

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109) T Chrysene	1.344	1.339	1.382	1.285	1.146	1.158	1.162	1.115	1.177	1.234	8.31
110) T bis(2-Ethylhexyl)phthalate	0.443	0.456	0.524	0.508	0.591	0.646	0.667	0.672	0.705	0.579	17.14
111) T Di-n-octylphthalate			0.848	0.844	0.938	1.066	1.110	1.151	1.214	1.024	14.48
112) T Benzo(b)fluoranthene	1.074	1.273	1.392	1.184	1.220	1.198	1.245	1.177	1.280	1.227	7.12
113) T Benzo(k)fluoranthene	1.074	1.214	1.328	1.269	1.228	1.231	1.193	1.231	1.272	1.227	5.68
114) T Benzo(a)pyrene	0.971	1.055	1.159	1.127	1.105	1.139	1.143	1.150	1.225	1.119	6.41
115) I IS1_Perylene-d12	-----ISTD-----										
116) T Indeno(1,2,3-cd)pyrene	0.960	1.055	1.128	1.079	1.044	1.104	1.189	1.204	1.339	1.122	9.83
117) T Dibenzo[a,h]anthracene	0.988	1.028	1.170	1.139	1.120	1.114	1.174	1.177	1.277	1.132	7.55
118) T Benzo(g,h,i)perylene	0.982	1.180	1.180	1.137	1.125	1.105	1.177	1.168	1.251	1.145	6.46



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Calibration dates : 08/26/25 18:52 08/27/25 16:37

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22592

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----										
2) t N-Nitrosodimethylamine	0.424	0.542	0.614	0.634	0.716	0.725	0.777	0.746	0.753	0.659	17.76
3) t Pyridine		0.972	1.102	1.146	1.279	1.264	1.427	1.344	1.362	1.237	12.32
4) S 2-Fluorophenol	0.780	0.861	0.951	0.994	1.077	1.092	1.202	1.152	1.180	1.032	14.19
5) T Aniline		1.174	1.520	1.623	1.775	1.816	1.908	1.847	1.872	1.692	14.63
6) t 2-Chlorophenol	1.039	1.140	1.109	1.147	1.258	1.278	1.378	1.343	1.357	1.228	9.95
7) S Phenol-d6	1.051	1.046	1.170	1.236	1.332	1.352	1.420	1.393	1.415	1.268	11.78
8) T Phenol	1.236	1.325	1.288	1.337	1.477	1.459	1.555	1.512	1.523	1.412	8.26
9) T bis(2-Chloroethyl)ether	1.199	1.170	1.164	1.149	1.190	1.178	1.242	1.210	1.239	1.193	2.72
10) T 1,3-Dichlorobenzene	1.497	1.552	1.541	1.463	1.564	1.552	1.636	1.589	1.628	1.558	3.60
11) T 1,4-Dichlorobenzene	1.544	1.594	1.538	1.531	1.606	1.575	1.683	1.626	1.628	1.592	3.15
12) T 1,2-Dichlorobenzene	1.592	1.563	1.449	1.452	1.504	1.506	1.577	1.544	1.563	1.528	3.46
13) t Benzyl alcohol	0.822	0.795	0.789	0.887	0.939	0.971	1.066	1.034	1.053	0.928	11.91
14) T bis(2-chloroisopropyl)ether	1.880	1.813	1.806	1.833	1.847	1.864	1.954	1.900	1.905	1.867	2.58
15) T 2-Methylphenol	0.859	0.875	0.979	1.014	1.091	1.078	1.182	1.135	1.150	1.040	11.26
16) T Hexachloroethane	0.528	0.585	0.584	0.546	0.592	0.584	0.622	0.602	0.616	0.584	5.23
17) T n-Nitrosodi-n-propylamine	0.711	0.799	0.785	0.808	0.809	0.854	0.912	0.862	0.869	0.823	7.12
18) T 3-Methylphenol/4-Methylphenol	0.916	0.977	1.002	1.062	1.145	1.169	1.245	1.202	1.196	1.102	10.52
19) S Nitrobenzene-d5	1.106	1.087	1.100	1.114	1.184	1.207	1.292	1.239	1.224	1.172	6.25
20) T Nitrobenzene	1.184	1.130	1.068	1.129	1.194	1.205	1.306	1.244	1.245	1.190	6.10
21) T Isophorone	1.887	2.058	2.000	2.110	2.201	2.230	2.399	2.270	2.271	2.158	7.35
22) T 2-Nitrophenol	0.409	0.369	0.405	0.445	0.495	0.522	0.606	0.602	0.597	0.494	18.73
23) T 2,4-Dimethylphenol	0.987	1.053	1.023	1.114	1.202	1.217	1.274	1.242	1.275	1.154	9.70
24) T bis(2-Chloroethoxy)methane	1.335	1.480	1.410	1.456	1.471	1.457	1.528	1.465	1.449	1.450	3.68
25) T 2,4-Dichlorophenol	0.890	0.924	0.984	1.100	1.153	1.193	1.283	1.242	1.226	1.111	13.06
26) T 1,2,4-Trichlorobenzene	1.531	1.458	1.442	1.390	1.452	1.411	1.505	1.430	1.414	1.448	3.14
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----										
28) T Benzaldehyde	0.511	0.598	0.602	0.617	0.637	0.606	0.622	0.630	0.624	0.605	6.23
29) T Acetophenone	1.759	1.774	1.708	1.705	1.799	1.801	1.874	1.853	1.893	1.796	3.76
30) T m-Toluidine				0.803	1.041	1.126	1.218	1.261	1.325	1.129	16.70
31) T 2-Chloroaniline	1.390	1.475	1.520	1.471	1.596	1.571	1.613	1.632	1.639	1.545	5.58
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) 1,4-Dioxane	0.742	0.561	0.521	0.546	0.532	0.497	0.496	0.517	0.495	0.545	14.16
34) T n-Decane	1.668	1.600	1.560	1.567	1.519	1.486	1.495	1.609	1.598	1.567	3.78
35) I IS1_Naphthalene-d8	-----ISTD-----										
36) T Naphthalene	1.116	1.081	1.017	1.032	1.038	1.036	1.085	1.059	1.022	1.054	3.19



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Calibration dates : 08/26/25 18:52 08/27/25 16:37

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22592

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37) T Benzoic Acid					0.128	0.165	0.198	0.222	0.220	*L	0.9995
38) T 4-Chloroaniline	0.103	0.109	0.117	0.118	0.123	0.124	0.131	0.127	0.125	0.120	7.57
39) T Hexachlorobutadiene	0.245	0.223	0.231	0.223	0.224	0.222	0.237	0.236	0.239	0.231	3.67
40) T p-Chloro-m-cresol	0.201	0.214	0.227	0.244	0.264	0.270	0.299	0.291	0.289	0.256	13.95
41) T 2-Methylnaphthalene	0.603	0.646	0.604	0.622	0.622	0.638	0.660	0.649	0.647	0.632	3.25
42) T 1-Methylnaphthalene	0.232	0.250	0.238	0.236	0.236	0.239	0.244	0.240	0.239	0.240	2.10
43) T Hexachlorocyclopentadiene	0.241	0.224	0.228	0.227	0.239	0.245	0.260	0.265	0.264	0.244	6.56
44) T 2,4,6-Trichlorophenol	0.169	0.174	0.192	0.200	0.218	0.237	0.252	0.243	0.245	0.214	14.86
45) T 2,4,5-Trichlorophenol	0.168	0.187	0.212	0.221	0.244	0.245	0.272	0.263	0.256	0.230	15.44
46) S 2-Fluorobiphenyl	0.884	0.896	0.868	0.866	0.869	0.857	0.888	0.870	0.854	0.872	1.62
47) T 2-Chloronaphthalene	0.762	0.777	0.718	0.721	0.721	0.724	0.745	0.724	0.713	0.734	3.05
48) T 2-Nitroaniline		0.113	0.134	0.135	0.153	0.168	0.191	0.190	0.187	0.159	18.70
49) T 1,4-Dinitrobenzene			0.056	0.062	0.070	0.079	0.092	0.091	0.090	0.077	18.88
50) T 1,3-Dinitrobenzene			0.071	0.074	0.085	0.097	0.108	0.108	0.107	0.093	17.42
51) T Dimethyl phthalate	0.789	0.759	0.746	0.743	0.746	0.789	0.818	0.775	0.753	0.769	3.34
52) T Acenaphthylene	1.058	1.042	1.055	1.058	1.096	1.123	1.188	1.145	1.131	1.100	4.57
53) T 2,6-Dinitrotoluene	0.105	0.102	0.110	0.115	0.129	0.149	0.162	0.156	0.153	0.131	18.12
54) T 1,2-Dinitrobenzene		0.040	0.053	0.052	0.060	0.064	0.071	0.069	0.067	0.060	17.83
55) I IS2_Naphthalene-d8	-----ISTD-----										
56) T a-Terpeneol	0.211	0.206	0.238	0.241	0.252	0.257	0.273	0.280	0.293	0.250	11.85
57) T 3-Chloroaniline	0.074	0.105	0.125	0.114	0.126	0.128	0.126	0.126	0.127	0.117	15.31
58) T 2,6-Dichlorophenol	0.196	0.225	0.228	0.232	0.272	0.284	0.297	0.315	0.326	0.264	17.16
59) T 1-chloro-2-nitrobenzene	0.116	0.111	0.120	0.118	0.120	0.124	0.133	0.134	0.143	0.124	8.11
60) T Caprolactam				0.088	0.107	0.120	0.138	0.145	0.151	0.125	19.44
61) T 1,2,4,5-Tetrachlorobenzene	0.446	0.417	0.429	0.394	0.417	0.402	0.410	0.400	0.417	0.415	3.88
62) T Biphenyl	1.055	0.900	0.963	0.916	0.946	0.925	0.933	0.923	0.968	0.948	4.83
63) I IS1_Acenaphthene-d10	-----ISTD-----										
64) T 3-Nitroaniline	0.171	0.202	0.194	0.228	0.266	0.273	0.301	0.298	0.284	0.246	19.77
65) T Acenaphthene	1.231	1.142	1.081	1.124	1.128	1.101	1.164	1.189	1.139	1.144	3.96
66) T 2,4-Dinitrophenol				0.084	0.104	0.117	0.138	0.151	0.149	*L	0.9986
67) T Dibenzofuran	1.872	1.960	1.723	1.803	1.847	1.796	1.856	1.868	1.778	1.834	3.71
68) T 2,4-Dinitrotoluene			0.213	0.258	0.300	0.339	0.367	0.381	0.370	*L	0.9993
69) T 4-Nitrophenol			0.139	0.144	0.178	0.200	0.215	0.217	0.205	0.185	17.66
70) T 2,3,5,6-Tetrachlorophenol		0.215	0.239	0.270	0.315	0.328	0.353	0.364	0.350	0.304	18.49
71) T 2,3,4,6-Tetrachlorophenol	0.235	0.237	0.244	0.296	0.330	0.323	0.342	0.349	0.342	0.300	16.14
72) T Diethyl phthalate	1.171	1.282	1.272	1.243	1.301	1.296	1.350	1.331	1.273	1.280	4.06



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Calibration dates : 08/26/25 18:52 08/27/25 16:37

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22592

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73) T Fluorene	1.293	1.396	1.354	1.402	1.459	1.416	1.489	1.453	1.419	1.409	4.17
74) T 4-Chlorophenyl-phenylether	0.770	0.766	0.703	0.688	0.719	0.696	0.726	0.717	0.686	0.719	4.31
75) T 4-Nitroaniline			0.178	0.209	0.246	0.251	0.285	0.280	0.270	0.246	16.01
76) T 4,6-Dinitro-o-cresol				0.113	0.142	0.161	0.187	0.199	0.196		*L 0.9991
77) T NDPA/DPA	1.036	1.044	1.054	1.112	1.140	1.148	1.209	1.150	1.111	1.112	5.19
78) T Azobenzene	0.991	1.122	1.088	1.082	1.173	1.164	1.227	1.208	1.147	1.133	6.40
79) S 2,4,6-Tribromophenol		0.121	0.129	0.137	0.153	0.165	0.175	0.172	0.167	0.152	13.62
80) T 4-Bromophenyl-phenylether	0.358	0.433	0.383	0.383	0.383	0.379	0.390	0.373	0.364	0.383	5.60
81) T Hexachlorobenzene	0.431	0.424	0.404	0.384	0.396	0.385	0.403	0.394	0.373	0.399	4.70
82) T Pentachlorophenol				0.155	0.188	0.220	0.242	0.244	0.243	0.216	17.09
83) I IS2_Acenaphthene-d10	-----ISTD-----										
84) T Dichloran					0.114	0.125	0.147	0.162	0.174	0.145	17.39
85) T Pentachloronitrobenzene		0.089	0.114	0.116	0.135	0.137	0.150	0.156	0.165	0.133	19.02
86) I IS3_Acenaphthene-d10	-----ISTD-----										
87) T Atrazine	0.267	0.273	0.279	0.288	0.315	0.335	0.361	0.423	0.431	0.330	19.01
88) I IS1_Phenanthrene-d10	-----ISTD-----										
89) T Phenanthrene	1.194	1.193	1.097	1.122	1.141	1.121	1.156	1.160	1.132	1.146	2.86
90) T Anthracene	1.069	1.116	1.064	1.054	1.101	1.122	1.218	1.173	1.184	1.122	5.16
91) T Carbazole	0.852	0.826	0.880	0.924	1.005	1.023	1.099	1.088	1.077	0.975	10.92
92) T Di-n-butylphthalate	0.878	0.876	0.893	0.938	1.048	1.138	1.283	1.299	1.273	1.070	17.08
93) T Fluoranthene	1.215	1.155	1.127	1.124	1.197	1.261	1.303	1.303	1.272	1.217	5.87
94) T Benzidine				0.387	0.575	0.683	0.758	0.784	0.780		*L 0.9998
95) T Pyrene	1.320	1.243	1.190	1.180	1.299	1.344	1.356	1.369	1.330	1.292	5.51
96) S 4-Terphenyl-d14	0.922	0.843	0.835	0.791	0.829	0.883	0.923	0.882	0.878	0.865	5.08
97) T Butyl benzyl phthalate			0.284	0.294	0.370	0.412	0.484	0.508	0.508		*L 0.9980
98) I IS2_Phenanthrene-d10	-----ISTD-----										
99) T Diphenamid			0.332	0.333	0.418	0.459	0.496	0.495	0.510	0.435	17.52
100) I IS3_Phenanthrene-d10	-----ISTD-----										
101) T n-Octadecane	0.421	0.409	0.375	0.423	0.428	0.454	0.464	0.502	0.492	0.441	9.28
102) T Parathion			0.060	0.056	0.061	0.068	0.079	0.103	0.112		*Q 0.9968
103) T 3,3'-Dimethylbenzidine				0.246	0.398	0.496	0.590	0.781	0.795		*Q 0.9961
104) I IS1_Chrysene-d12	-----ISTD-----										
105) T Benzo[a]anthracene	1.400	1.365	1.241	1.294	1.330	1.355	1.493	1.459	1.366	1.367	5.68
106) T 3,3'-Dichlorobenzidine			0.316	0.353	0.406	0.442	0.508	0.507	0.517	0.436	18.50
107) T Chrysene	1.496	1.432	1.327	1.344	1.303	1.309	1.373	1.330	1.252	1.352	5.43
108) T bis(2-Ethylhexyl)phthalate		0.449	0.514	0.566	0.681	0.779	0.927	0.916	0.860		*L 0.9968



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Calibration dates : 08/26/25 18:52 08/27/25 16:37

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22592

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109) T Di-n-octylphthalate			0.742	0.789	1.000	1.168	1.452	1.443	1.432	*L	0.9976
110) T Benzo(b)fluoranthene	1.151	1.214	1.152	1.081	1.131	1.156	1.213	1.257	1.305	1.185	5.82
111) T Benzo(k)fluoranthene	1.211	1.131	1.099	1.137	1.168	1.212	1.278	1.249	1.306	1.199	5.89
112) T Benzo(a)pyrene	1.019	1.071	1.012	1.016	1.039	1.090	1.138	1.223	1.304	1.101	9.31
113) I IS1_Perylene-d12	-----ISTD-----										
114) T Indeno(1,2,3-cd)pyrene	0.957	0.915	0.984	1.007	1.111	1.178	1.269	1.372	1.208	1.111	14.07
115) T Dibenzo[a,h]anthracene	0.948	1.019	1.040	1.102	1.179	1.226	1.274	1.360	1.241	1.154	11.73
116) T Benzo(g,h,i)perylene	0.952	1.100	1.061	1.102	1.205	1.237	1.265	1.352	1.074	1.150	10.74



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Calibration dates : 08/27/25 20:12 08/28/25 06:19

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22591

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----										
2) t n-Nitrosodimet	0.625	0.627	0.648	0.651	0.662	0.669	0.715	0.683	0.660	0.660	4.21
3) t Pyridine	0.909	1.005	1.085	1.116	1.207	1.184	1.274	1.222	1.175	1.131	10.23
4) S 2-Fluorophenol	1.000	1.021	1.001	1.070	1.147	1.150	1.218	1.194	1.153	1.106	7.64
5) T Aniline	1.318	1.579	1.766	1.790	1.829	1.917	1.896	1.813	1.738		11.43
6) t 2-Chlorophenol	1.232	1.140	1.249	1.321	1.367	1.380	1.482	1.442	1.373	1.332	8.13
7) S Phenol-d6	1.128	1.235	1.291	1.274	1.342	1.353	1.455	1.430	1.353	1.318	7.59
8) T Phenol	1.253	1.337	1.402	1.430	1.476	1.460	1.589	1.553	1.468	1.441	7.13
9) T Bis(2-chloroet	1.077	1.056	1.154	1.160	1.155	1.153	1.227	1.183	1.121	1.143	4.55
10) T 1,3-Dichlorobe	1.521	1.666	1.599	1.571	1.592	1.611	1.692	1.614	1.518	1.598	3.63
11) T 1,4-Dichlorobe	1.660	1.531	1.676	1.616	1.654	1.635	1.727	1.648	1.559	1.634	3.64
12) T 1,2-Dichlorobe	1.556	1.602	1.607	1.539	1.587	1.562	1.633	1.575	1.485	1.572	2.77
13) t Benzyl alcohol	0.792	0.919	0.907	0.939	0.980	0.980	1.073	1.070	1.019	0.964	9.14
14) T Bis(2-chlorois	1.869	1.814	1.874	1.874	1.902	1.873	1.957	1.896	1.742	1.867	3.22
15) T 2-Methylphenol	1.023	0.916	1.081	1.090	1.106	1.134	1.226	1.217	1.144	1.104	8.65
16) T Hexachloroethane	0.491	0.596	0.593	0.604	0.625	0.620	0.655	0.633	0.599	0.602	7.69
17) T n-Nitrosodi-n-	0.714	0.726	0.703	0.805	0.843	0.844	0.919	0.917	0.860	0.815	10.23
18) T 3-Methylphenol	1.201	1.077	1.095	1.170	1.213	1.221	1.339	1.305	1.239	1.207	7.12
19) S Nitrobenzene-d5	1.107	1.084	1.149	1.192	1.243	1.261	1.360	1.357	1.283	1.226	8.22
20) T Nitrobenzene	1.114	1.129	1.225	1.204	1.290	1.306	1.392	1.390	1.292	1.260	8.00
21) T Isophorone	2.034	2.084	2.111	2.177	2.333	2.360	2.577	2.576	2.409	2.296	8.95
22) T 2-Nitrophenol	0.493	0.534	0.535	0.635	0.665	0.749	0.776	0.734	0.640		17.12
23) T 2,4-Dimethylph	1.142	1.150	1.117	1.218	1.288	1.344	1.427	1.417	1.337	1.271	9.35
24) T Bis(2-chloroet	1.391	1.497	1.492	1.513	1.613	1.560	1.658	1.651	1.542	1.546	5.54
25) T 2,4-Dichloroph	0.989	0.948	1.054	1.135	1.212	1.232	1.357	1.341	1.259	1.170	12.63
26) T 1,2,4-Trichlor	1.342	1.329	1.312	1.380	1.396	1.375	1.462	1.429	1.342	1.374	3.58
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----										
28) T Benzaldehyde	0.678	0.660	0.659	0.656	0.650	0.634	0.633	0.613	0.622	0.645	3.22
29) T Acetophenone	1.895	1.931	2.072	1.849	1.891	1.873	1.878	1.853	1.903	1.905	3.56
30) T m-Toluidine	0.747	0.912	1.162	1.209	1.261	1.257	1.311	1.123			18.79
31) T 2-Chloroaniline	1.668	1.617	1.753	1.641	1.748	1.750	1.800	1.743	1.792	1.724	3.80
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) t 1,4-Dioxane	0.606	0.475	0.495	0.460	0.452	0.426	0.458	0.442	0.477		11.74
34) T n-Decane	1.451	1.569	1.484	1.428	1.409	1.421	1.366	1.489	1.426	1.449	4.05
35) I IS1_Naphthalene-d8	-----ISTD-----										
36) T Naphthalene	1.082	1.113	1.085	1.081	1.083	1.076	1.119	1.089	1.010	1.082	2.84



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Calibration dates : 08/27/25 20:12 08/28/25 06:19

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22591

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37) T Benzoic Acid				0.132	0.162	0.197	0.245	0.274	0.268	*L	0.9972
38) T 4-Chloroaniline	0.100	0.096	0.113	0.122	0.122	0.122	0.129	0.128	0.121	0.117	10.11
39) T Hexachlorobuta	0.178	0.207	0.203	0.198	0.202	0.201	0.213	0.205	0.196	0.200	4.85
40) T p-Chloro-m-cresol	0.278	0.248	0.266	0.255	0.285	0.289	0.317	0.317	0.301	0.284	8.87
41) T 2-Methylnaphth	0.673	0.640	0.606	0.630	0.633	0.634	0.677	0.662	0.612	0.641	3.92
42) T 1-Methylnaphth	0.209	0.233	0.228	0.220	0.232	0.224	0.241	0.235	0.224	0.227	4.09
43) T Hexachlorocycl	0.242	0.230	0.231	0.250	0.256	0.258	0.276	0.278	0.265	0.254	6.84
44) T 2,4,6-Trichlor	0.160	0.165	0.197	0.211	0.216	0.228	0.249	0.254	0.240	0.213	16.00
45) T 2,4,5-Trichlor	0.224	0.200	0.197	0.220	0.247	0.252	0.276	0.277	0.261	0.239	12.74
46) S 2-Fluorobiphenyl	0.843	0.835	0.796	0.808	0.825	0.808	0.857	0.835	0.777	0.821	3.09
47) T 2-Chloronaphth	0.695	0.743	0.714	0.725	0.725	0.722	0.766	0.751	0.700	0.727	3.20
48) T 2-Nitroaniline	0.155	0.161	0.170	0.187	0.207	0.224	0.249	0.258	0.243	0.206	19.20
49) T 1,4-Dinitroben		0.071	0.072	0.090	0.096	0.102	0.113	0.119	0.114	0.097	19.22
50) T 1,3-Dinitroben		0.090	0.089	0.091	0.109	0.120	0.132	0.136	0.127	0.112	17.57
51) T Dimethyl phtha	0.834	0.825	0.786	0.845	0.862	0.868	0.935	0.910	0.847	0.857	5.21
52) T Acenaphthylene	1.111	1.063	1.083	1.141	1.192	1.213	1.286	1.264	1.177	1.170	6.61
53) T 2,6-Dinitrotol		0.131	0.132	0.153	0.171	0.176	0.195	0.194	0.185	0.167	15.47
54) T 1,2-Dinitroben		0.054	0.054	0.069	0.076	0.079	0.085	0.084	0.081	0.073	17.37
55) I IS2_Naphthalene-d8	-----ISTD-----										
56) T a-Terpineol	0.261	0.270	0.259	0.260	0.264	0.266	0.275	0.275	0.273	0.267	2.41
57) T 3-Chloroaniline		0.102	0.112	0.111	0.120	0.122	0.118	0.115	0.115	0.114	5.48
58) T 2,6-Dichloroph	0.275	0.262	0.282	0.257	0.283	0.289	0.305	0.307	0.308	0.285	6.59
59) T 1-chloro-2-nit	0.117	0.121	0.131	0.138	0.137	0.136	0.144	0.144	0.145	0.135	7.49
60) T Caprolactam		0.113	0.120	0.124	0.145	0.148	0.156	0.161	0.166	0.142	14.18
61) T 1,2,4,5-Tetrachlorobenzene	0.390	0.417	0.395	0.364	0.366	0.364	0.360	0.353	0.350	0.373	5.99
62) T Biphenyl	1.080	0.960	0.943	0.906	0.928	0.905	0.900	0.882	0.874	0.931	6.70
63) I IS1_Acenaphthene-d10	-----ISTD-----										
64) T 3-Nitroaniline		0.272	0.286	0.317	0.357	0.365	0.383	0.386	0.367	0.342	12.90
65) T Acenaphthene	1.251	1.111	1.104	1.139	1.138	1.119	1.152	1.133	1.074	1.136	4.34
66) T 2,4-Dinitrophenol			0.125	0.138	0.158	0.179	0.199	0.195	0.166		18.30
67) T Dibenzofuran	1.914	1.931	1.798	1.861	1.847	1.817	1.873	1.835	1.721	1.844	3.41
68) T 2,4-Dinitrotol	0.312	0.303	0.330	0.348	0.401	0.426	0.452	0.456	0.433	0.385	15.99
69) T 4-Nitrophenol	0.249	0.176	0.215	0.220	0.236	0.250	0.263	0.267	0.266	0.238	12.64
70) T 2,3,5,6-Tetrac		0.235	0.281	0.315	0.354	0.368	0.387	0.397	0.381	0.340	16.92
71) T 2,3,4,6-Tetrachlorophenol	0.252	0.230	0.304	0.319	0.358	0.367	0.389	0.381	0.369	0.330	17.50
72) T Diethyl phthalate	1.608	1.488	1.406	1.471	1.517	1.532	1.572	1.566	1.487	1.516	4.05



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Calibration dates : 08/27/25 20:12 08/28/25 06:19

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22591

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73) T Fluorene	1.576	1.453	1.402	1.417	1.466	1.422	1.473	1.447	1.367	1.447	4.06
74) T 4-Chlorophenyl	0.763	0.666	0.677	0.690	0.698	0.684	0.694	0.681	0.643	0.688	4.70
75) T 4-Nitroaniline	0.279	0.294	0.280	0.322	0.348	0.367	0.392	0.384	0.367	0.337	13.14
76) T 4,6-Dinitro-o-			0.148	0.176	0.201	0.219	0.245	0.257	0.251	0.214	19.28
77) T NDPA/DPA	1.240	1.142	1.119	1.214	1.236	1.236	1.279	1.243	1.176	1.209	4.35
78) T Azobenzene	1.256	1.163	1.201	1.253	1.325	1.316	1.341	1.328	1.264	1.272	4.84
79) S 2,4,6-Tribromo		0.152	0.174	0.186	0.197	0.200	0.210	0.220	0.212	0.194	11.57
80) T 4-Bromophenyl	0.464	0.432	0.402	0.418	0.424	0.413	0.434	0.427	0.405	0.424	4.38
81) T Hexachlorobenzene	0.521	0.488	0.460	0.464	0.481	0.459	0.472	0.474	0.456	0.475	4.26
82) T Pentachlorophenol				0.197	0.249	0.276	0.310	0.324	0.323	0.280	17.94
83) I IS2_Acenaphthene-d10	-----ISTD-----										
84) T Dichloran	0.147	0.124	0.138	0.135	0.146	0.161	0.174	0.193	0.207	0.158	17.57
85) T Pentachloronit		0.110	0.139	0.135	0.154	0.164	0.170	0.176	0.187	0.154	16.28
86) I IS3_Acenaphthene-d10	-----ISTD-----										
87) T Atrazine	0.309	0.334	0.345	0.341	0.354	0.377	0.391	0.448	0.447	0.372	13.19
88) I IS1_Phenanthrene-d10	-----ISTD-----										
89) T Phenanthrene	1.371	1.263	1.179	1.178	1.164	1.168	1.218	1.175	1.104	1.202	6.34
90) T Anthracene	1.219	1.185	1.107	1.147	1.170	1.177	1.260	1.203	1.132	1.178	3.94
91) T Carbazole	1.003	1.023	1.026	1.069	1.101	1.117	1.192	1.136	1.064	1.081	5.65
92) T Di-n-butylphth	1.166	1.108	1.070	1.167	1.264	1.333	1.456	1.451	1.377	1.266	11.52
93) T Fluoranthene	1.364	1.261	1.208	1.274	1.297	1.306	1.390	1.323	1.242	1.296	4.47
94) T Benzidine				0.599	0.757	0.837	0.945	0.946	0.905	0.831	16.22
95) T Pyrene	1.449	1.366	1.307	1.384	1.383	1.387	1.466	1.403	1.300	1.383	4.02
96) S 4-Terphenyl-d14	1.126	0.947	0.937	0.957	0.963	0.957	1.026	0.994	0.935	0.982	6.21
97) T Butyl benzyl p	0.449	0.408	0.431	0.458	0.519	0.563	0.643	0.660	0.630	0.529	18.59
98) I IS2_Phenanthrene-d10	-----ISTD-----										
99) T Diphenamid	0.451	0.409	0.439	0.457	0.505	0.514	0.532	0.532	0.543	0.487	9.95
100) I IS3_Phenanthrene-d10	-----ISTD-----										
101) T n-Octadecane	0.450	0.480	0.469	0.459	0.462	0.490	0.491	0.524	0.494	0.480	4.72
102) T Parathion				0.090	0.094	0.107	0.118	0.149	0.151	*L	0.9938
103) T 3,3'-Dimethylbenzidine					0.527	0.645	0.750	0.965	0.942	*L	0.9970
104) I IS1_Chrysene-d12	-----ISTD-----										
105) T Benzo(a)anthra	1.511	1.315	1.289	1.310	1.335	1.318	1.412	1.375	1.277	1.349	5.47
106) T 3,3'-Dichlorob	0.387	0.381	0.410	0.441	0.484	0.495	0.538	0.538	0.505	0.464	13.26
107) T Chrysene	1.506	1.443	1.348	1.330	1.324	1.278	1.335	1.269	1.194	1.336	6.96
108) T Bis(2-ethylhex	0.820	0.652	0.685	0.755	0.860	0.905	1.000	1.001	0.940	0.846	15.20



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Calibration dates : 08/27/25 20:12 08/28/25 06:19
Lab Number : L2557076
Project Number : BSD1504
Ical Ref : ICAL22591

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109) T Di-n-octylphth			1.035	1.125	1.328	1.447	1.676	1.705	1.617	1.419	18.86
110) T Benzo(b)fluora	1.294	1.242	1.272	1.269	1.271	1.242	1.362	1.307	1.239	1.278	3.09
111) T Benzo(k)fluora	1.319	1.241	1.207	1.316	1.368	1.336	1.382	1.325	1.231	1.303	4.75
112) T Benzo(a)pyrene	1.127	1.076	1.125	1.215	1.230	1.227	1.313	1.264	1.197	1.197	6.26
113) I IS1_Perylene-d12	-----ISTD-----										
114) T Indeno(1,2,3-c	1.099	0.994	0.991	1.063	1.102	1.150	1.260	1.277	1.329	1.141	10.81
115) T Dibenzo(a,h)an	1.138	1.113	1.084	1.145	1.156	1.194	1.272	1.275	1.252	1.181	6.01
116) T Benzo(ghi)pery	1.225	1.122	1.082	1.111	1.132	1.151	1.231	1.220	1.197	1.164	4.80



Response Factor Report SV112

Method Path : I:\8270\SV112\250817RVTical\
 Method File : FS250817SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Aug 18 06:54:37 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----										
2) T N-Nitrosodimethylamine	0.731	0.626	0.651	0.652	0.768	0.882	0.989	0.912	0.916	0.792	17.20
3) T Pyridine		1.100	1.121	1.024	1.283	1.391	1.753	1.555	1.568	1.349	19.38
4) S 2-Fluorophenol	1.059	0.795	0.960	0.883	1.020	1.244	1.390	1.303	1.291	1.105	18.92
5) T Aniline	1.360	1.271	1.604	1.714	1.935	2.250	2.526	2.306	2.264	*L	0.9976
6) T 2-Chlorophenol	1.074	1.088	1.113	1.052	1.225	1.477	1.619	1.472	1.462	1.287	17.06
7) S Phenol-d6	1.102	1.198	1.263	1.213	1.301	1.639	1.819	1.669	1.648	1.428	18.40
8) T Phenol	1.332	1.371	1.380	1.299	1.527	1.765	1.974	1.809	1.773	1.581	15.90
9) T bis(2-Chloroethyl)ether	1.360	1.277	1.114	1.093	1.260	1.433	1.556	1.401	1.379	1.319	11.35
10) T 1,3-Dichlorobenzene	1.547	1.563	1.467	1.352	1.486	1.686	1.817	1.635	1.608	1.573	8.58
11) T 1,4-Dichlorobenzene	1.679	1.472	1.473	1.426	1.512	1.740	1.848	1.681	1.666	1.611	9.00
12) T 1,2-Dichlorobenzene	1.577	1.545	1.301	1.347	1.498	1.688	1.806	1.636	1.614	1.557	10.22
13) T Benzyl alcohol		0.892	0.908	0.887	1.005	1.234	1.415	1.313	1.319	1.122	19.68
14) T bis(2-chloroisopropyl)ether	1.965	2.006	1.889	1.876	2.095	2.340	2.607	2.325	2.231	2.148	11.44
15) T 2-Methylphenol	0.895	0.980	0.965	0.942	1.086	1.309	1.464	1.386	1.366	1.155	19.40
16) T Hexachloroethane	0.507	0.537	0.561	0.522	0.564	0.644	0.708	0.658	0.665	0.596	12.24
17) T n-Nitrosodi-n-propylamine	0.921	0.851	0.831	0.868	0.949	1.150	1.308	1.203	1.209	1.032	17.80
18) T 3-Methylphenol/4-Methylphenol	1.091	1.066	1.068	1.039	1.201	1.413	1.606	1.473	1.477	1.270	17.38
19) S Nitrobenzene-d5	1.183	1.112	1.079	1.094	1.225	1.528	1.726	1.618	1.621	1.354	19.50
20) T Nitrobenzene	1.223	1.116	1.254	1.124	1.257	1.569	1.813	1.651	1.639	1.405	18.65
21) T Isophorone	2.634	2.400	2.332	2.330	2.657	3.225	3.580	3.263	3.223	2.849	16.68
22) T 2-Nitrophenol			0.461	0.513	0.531	0.709	0.847	0.812	0.820	*L	0.9974
23) T 2,4-Dimethylphenol			1.190	1.154	1.373	1.644	1.849	1.680	1.676	1.510	17.88
24) T bis(2-Chloroethoxy)methane	1.643	1.659	1.493	1.518	1.709	2.020	2.230	2.005	1.990	1.807	14.35
25) T 2,4-Dichlorophenol			1.056	0.989	1.135	1.465	1.633	1.532	1.532	1.335	19.84
26) T 1,2,4-Trichlorobenzene	1.556	1.392	1.355	1.318	1.455	1.654	1.807	1.655	1.656	1.539	10.87
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----										
28) T Benzaldehyde	0.483	0.631	0.700	0.588	0.584	0.562	0.602	0.587	0.634	0.597	9.83
29) T Acetophenone	1.829	2.083	2.233	1.955	1.887	1.884	1.957	1.950	2.043	1.980	6.22
30) T m-Toluidine			1.030	1.058	1.104	1.190	1.269	1.288	1.400	1.191	11.37
31) T 2-Chloroaniline	1.502	1.695	1.954	1.708	1.586	1.638	1.691	1.674	1.744	1.688	7.32
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) T 1,4-Dioxane	0.664	0.639	0.691	0.503	0.465	0.505	0.494	0.474	0.481	0.546	16.63
34) T n-Decane	1.791	1.463	1.802	1.534	1.545	1.593	1.580	1.541	1.568	1.602	7.27
35) I IS1_Naphthalene-d8	-----ISTD-----										
36) T Naphthalene	1.101	1.122	0.994	0.904	1.051	1.145	1.226	1.049	0.972	1.063	9.22
37) T Benzoic Acid					0.138	0.222	0.294	0.303	0.319	*L	0.9995
38) T 4-Chloroaniline	0.128	0.108	0.121	0.124	0.144	0.159	0.183	0.161	0.167	0.144	17.40
39) T Hexachlorobutadiene	0.262	0.259	0.226	0.215	0.226	0.271	0.289	0.263	0.266	0.253	9.70
40) T p-Chloro-m-cresol			0.265	0.270	0.247	0.306	0.368	0.421	0.375	0.378	19.66
41) T 2-Methylnaphthalene	0.666	0.643	0.616	0.579	0.646	0.735	0.798	0.698	0.679	0.674	9.65
42) T 1-Methylnaphthalene	0.304	0.259	0.218	0.227	0.262	0.285	0.312	0.275	0.283	0.269	11.78
43) T Hexachlorocyclopentadiene				0.224	0.248	0.332	0.383	0.360	0.369	*L	0.9983
44) T 2,4,6-Trichlorophenol		0.193	0.194	0.203	0.242	0.305	0.346	0.318	0.329	*L	0.9971
45) T 2,4,5-Trichlorophenol			0.221	0.230	0.274	0.345	0.375	0.341	0.342	*L	0.9978

Response Factor Report SV112

Method Path : I:\8270\SV112\250817RVTical\
 Method File : FS250817SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Aug 18 06:54:37 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46)	S 2-Fluorobiphenyl	0.911	0.876	0.847	0.831	0.920	1.037	1.086	0.945	0.889	0.927	9.16
47)	T 2-Chloronaphthalene	0.751	0.743	0.716	0.689	0.775	0.865	0.928	0.818	0.787	0.786	9.54
48)	T 2-Nitroaniline			0.158	0.165	0.200	0.241	0.291	0.272	0.279	*L	0.9978
49)	T 1,4-Dinitrobenzene					0.099	0.123	0.143	0.134	0.142	0.128	14.10
50)	T 1,3-Dinitrobenzene					0.107	0.139	0.165	0.153	0.161	0.145	16.05
51)	T Dimethyl phthalate	0.893	0.942	0.892	0.844	1.029	1.147	1.215	1.036	0.971	0.996	12.34
52)	T Acenaphthylene	1.230	1.173	1.161	1.094	1.338	1.498	1.558	1.306	1.180	1.282	12.38
53)	T 2,6-Dinitrotoluene			0.144	0.135	0.180	0.222	0.244	0.238	0.245	*L	0.9986
54)	T 1,2-Dinitrobenzene					0.074	0.092	0.105	0.097	0.100	0.094	12.65
55)	I IS2_Naphthalene-d8	-----ISTD-----										
56)	T a-Terpineol	0.252	0.294	0.331	0.297	0.291	0.291	0.301	0.311	0.313	0.298	7.23
57)	T 3-Chloroaniline		0.128	0.162	0.135	0.131	0.136	0.137	0.138	0.140	0.138	7.35
58)	T 2,6-Dichlorophenol	0.225	0.269	0.295	0.277	0.278	0.289	0.295	0.304	0.310	0.282	8.94
59)	T 1-chloro-2-nitrobenzene	0.097	0.156	0.145	0.138	0.133	0.136	0.139	0.145	0.150	0.137	12.23
60)	T Caprolactam		0.115	0.183	0.172	0.167	0.174	0.191	0.207	0.210	0.177	16.78
61)	T 1,2,4,5-Tetrachlorobenzene	0.385	0.485	0.543	0.465	0.433	0.424	0.421	0.419	0.415	0.443	10.65
62)	T Biphenyl	0.920	1.102	1.222	1.009	0.941	0.934	0.933	0.902	0.842	0.978	11.90
63)	I IS1_Acenaphthene-d10	-----ISTD-----										
64)	T 3-Nitroaniline			0.223	0.231	0.300	0.358	0.419	0.378	0.380	*L	0.9977
65)	T Acenaphthene	1.109	1.070	1.052	0.938	1.090	1.187	1.292	1.120	1.061	1.102	8.85
66)	T 2,4-Dinitrophenol			0.070	0.121	0.175	0.218	0.210	0.223		*L	0.9981
67)	T Dibenzofuran	1.906	1.766	1.695	1.626	1.886	2.021	2.153	1.810	1.637	1.833	9.67
68)	T 2,4-Dinitrotoluene			0.291	0.287	0.376	0.451	0.531	0.472	0.483	*L	0.9974
69)	T 4-Nitrophenol			0.168	0.188	0.246	0.321	0.371	0.319	0.321	*L	0.9957
70)	T 2,3,5,6-Tetrachlorophenol			0.271	0.299	0.350	0.454	0.512	0.476	0.481	*L	0.9995
71)	T 2,3,4,6-Tetrachlorophenol			0.271	0.285	0.380	0.465	0.504	0.462	0.470	*L	0.9995
72)	T Diethyl phthalate	1.545	1.453	1.320	1.277	1.616	1.769	1.905	1.652	1.544	1.565	12.86
73)	T Fluorene	1.630	1.355	1.366	1.256	1.528	1.650	1.741	1.496	1.383	1.489	10.86
74)	T 4-Chlorophenyl-phenylether	0.855	0.798	0.698	0.666	0.776	0.830	0.890	0.771	0.764	0.783	9.12
75)	T 4-Nitroaniline			0.220	0.231	0.321	0.360	0.415	0.368	0.372	*L	0.9976
76)	T 4,6-Dinitro-o-cresol			0.150	0.218	0.260	0.307	0.295	0.306		*L	0.9992
77)	T NDPA/DPA	1.236	1.104	1.128	1.050	1.297	1.390	1.493	1.284	1.228	1.246	11.30
78)	T Azobenzene	1.175	1.212	1.217	1.164	1.498	1.603	1.663	1.448	1.358	1.371	13.92
79)	S 2,4,6-Tribromophenol		0.210	0.199	0.203	0.236	0.275	0.313	0.294	0.304	0.254	18.72
80)	T 4-Bromophenyl-phenylether	0.484	0.510	0.457	0.425	0.492	0.562	0.619	0.531	0.530	0.512	11.24
81)	T Hexachlorobenzene	0.695	0.584	0.544	0.503	0.577	0.639	0.699	0.610	0.610	0.607	10.64
82)	T Pentachlorophenol			0.178	0.271	0.354	0.433	0.410	0.424		*L	0.9985
83)	I IS2_Acenaphthene-d10	-----ISTD-----										
84)	T Dichloran	0.117	0.170	0.201	0.171	0.163	0.167	0.191	0.211	0.224	0.179	17.65
85)	T Pentachloronitrobenzene	0.164	0.201	0.218	0.194	0.186	0.194	0.221	0.231	0.234	0.205	11.31
86)	I IS3_Acenaphthene-d10	-----ISTD-----										
87)	T Atrazine	0.517	0.437	0.482	0.407	0.410	0.472	0.467	0.473	0.501	0.463	8.17
88)	I IS1_Phenanthrene-d10	-----ISTD-----										
89)	T Phenanthrene	1.142	1.100	1.023	0.990	1.145	1.187	1.282	1.075	0.947	1.099	9.46
90)	T Anthracene	1.127	1.032	0.979	0.961	1.140	1.224	1.313	1.088	0.956	1.091	11.30

Response Factor Report SV112

Method Path : I:\8270\SV112\250817RVTical\
 Method File : FS250817SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Aug 18 06:54:37 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T Carbazole	0.919	0.917	0.872	0.853	1.069	1.132	1.214	1.032	0.932	0.993	12.56
92)	T Di-n-butylphthalate	1.066	0.990	0.970	0.971	1.216	1.365	1.529	1.281	1.085	1.164	16.95
93)	T Fluoranthene	1.376	1.258	1.216	1.156	1.451	1.497	1.599	1.292	1.119	1.329	12.24
94)	T Benzidine				0.539	0.789	0.901	1.051	0.915	0.842	*L	0.9918
95)	T Pyrene	1.314	1.314	1.277	1.208	1.565	1.569	1.629	1.314	1.115	1.367	13.05
96)	S 4-Terphenyl-d14	1.124	1.027	0.977	0.927	1.156	1.185	1.248	1.039	0.927	1.068	10.87
97)	T Butyl benzyl phthalate			0.387	0.390	0.505	0.579	0.689	0.623	0.592	*L	0.9961
98)	I IS2_Phenanthrene-d10	-----ISTD-----										
99)	T Diphenamid	0.414	0.482	0.547	0.466	0.486	0.487	0.527	0.524	0.517	0.494	8.12
100)	I IS3_Phenanthrene-d10	-----ISTD-----										
101)	T n-Octadecane	0.558	0.479	0.550	0.452	0.454	0.491	0.500	0.499	0.482	0.496	7.46
102)	T Parathion	0.116	0.094	0.103	0.090	0.088	0.099	0.108	0.123	0.137	0.106	15.40
103)	T 3,3'-Dimethylbenzidine				0.541	0.582	0.768	0.849	0.847	0.835	0.737	18.97
104)	I IS1_Chrysene-d12	-----ISTD-----										
105)	T Benzo[a]anthracene	1.440	1.236	1.148	1.119	1.308	1.423	1.569	1.341	1.189	1.308	11.49
106)	T 3,3'-Dichlorobenzidine	0.431	0.374	0.376	0.378	0.454	0.551	0.627	0.547	0.522	0.473	19.48
107)	T Chrysene	1.298	1.199	1.168	1.097	1.274	1.357	1.430	1.135	0.985	1.216	11.36
108)	T bis(2-Ethylhexyl)phthalate		0.563	0.533	0.553	0.676	0.835	0.964	0.865	0.802	*L	0.9942
109)	T Di-n-octylphthalate			0.831	0.875	1.083	1.385	1.633	1.400	1.224	*Q	0.9962
110)	T Benzo(b)fluoranthene	1.333	1.176	1.089	1.118	1.308	1.380	1.563	1.304	1.282	1.283	11.29
111)	T Benzo(k)fluoranthene	1.276	1.108	1.140	1.102	1.327	1.469	1.528	1.257	1.054	1.251	13.40
112)	T Benzo(a)pyrene	1.139	1.055	0.995	1.032	1.228	1.345	1.480	1.258	1.162	1.188	13.28
113)	I IS1_Perylene-d12	-----ISTD-----										
114)	T Indeno(1,2,3-cd)pyrene	1.010	1.007	0.898	0.885	1.064	1.242	1.394	1.213	1.228	1.105	15.70
115)	T Dibenzo[a,h]anthracene	0.980	0.957	0.916	0.913	1.088	1.226	1.321	1.123	1.054	1.064	13.28
116)	T Benzo(g,h,i)perylene	1.055	1.052	0.949	0.939	1.124	1.239	1.330	1.155	1.102	1.105	11.47

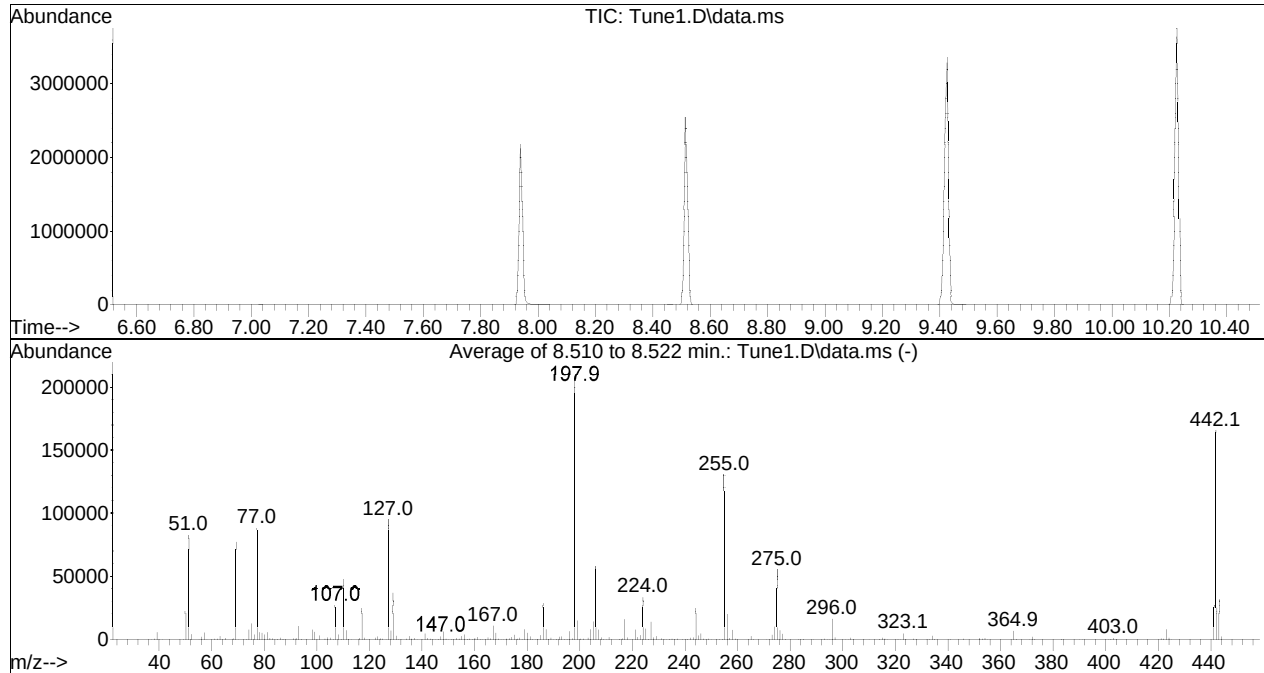
(#) = Out of Range

DFTPP

Data Path : I:\8270\SV112\250817RVTical\
 Data File : Tune1.D
 Acq On : 17 Aug 2025 06:04 pm
 Operator : SV112:slr
 Sample : Tune Lot#11857
 Misc : WG2104073,,ical
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Aug 18 06:54:37 2025

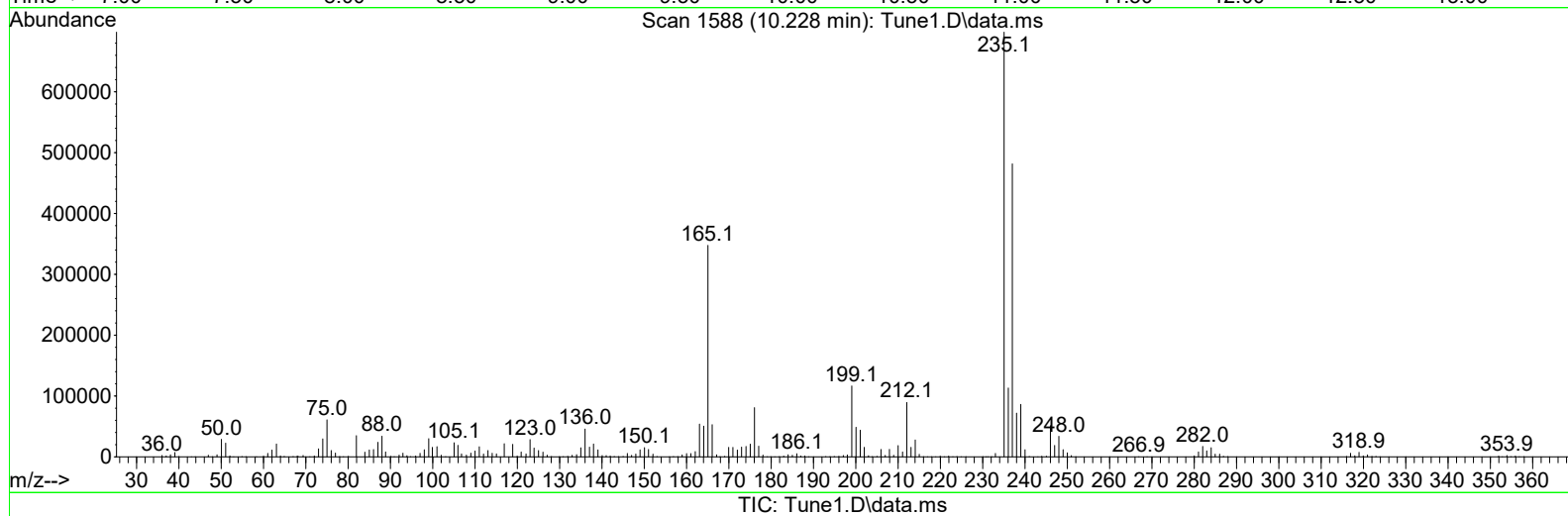
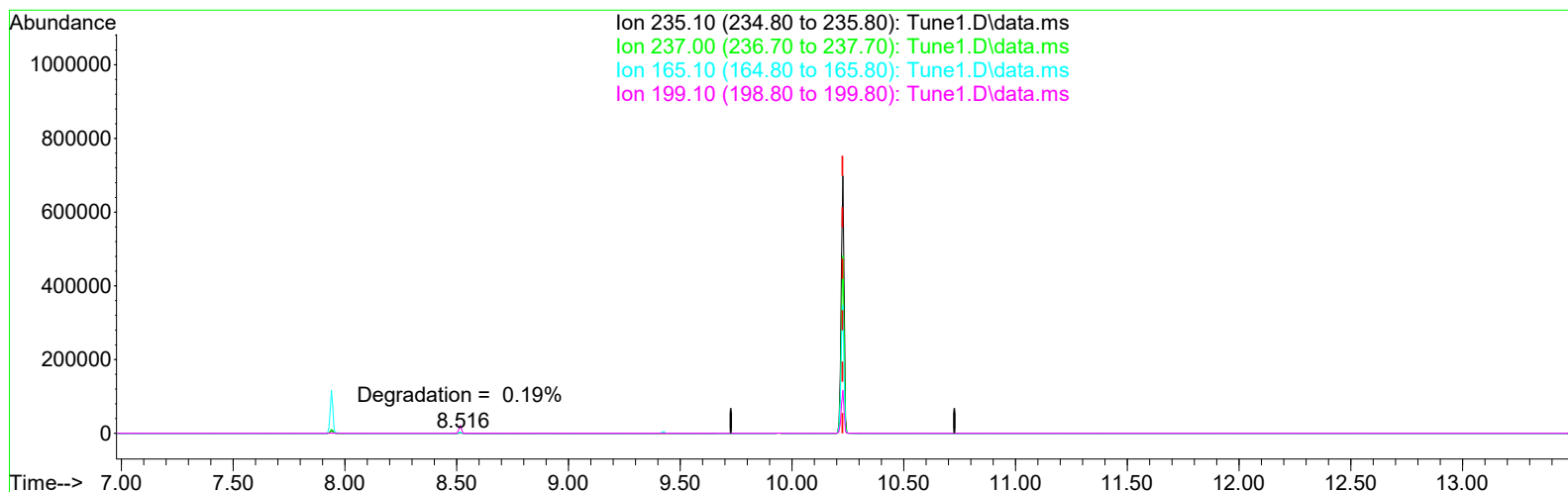


AutoFind: Scans 1296, 1297, 1298; Background Corrected with Scan 1291

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.5	82579	PASS
68	69	0.00	2	1.6	1258	PASS
69	69	100	100	100.0	77283	PASS
70	69	0.00	2	0.5	366	PASS
127	198	10	80	45.2	94493	PASS
197	198	0.00	2	0.7	1366	PASS
198	198	100	100	100.0	209003	PASS
199	198	5	9	7.0	14627	PASS
275	198	10	60	26.5	55421	PASS
365	198	1	100	3.2	6728	PASS
441	442	0.01	24	16.5	27332	PASS
442	198	50	100	79.1	165328	PASS
443	442	15	24	19.3	31868	PASS

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune1.D
Acq On : 17 Aug 2025 06:04 pm
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:07:37 2025
Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration



(6) D DT (T)

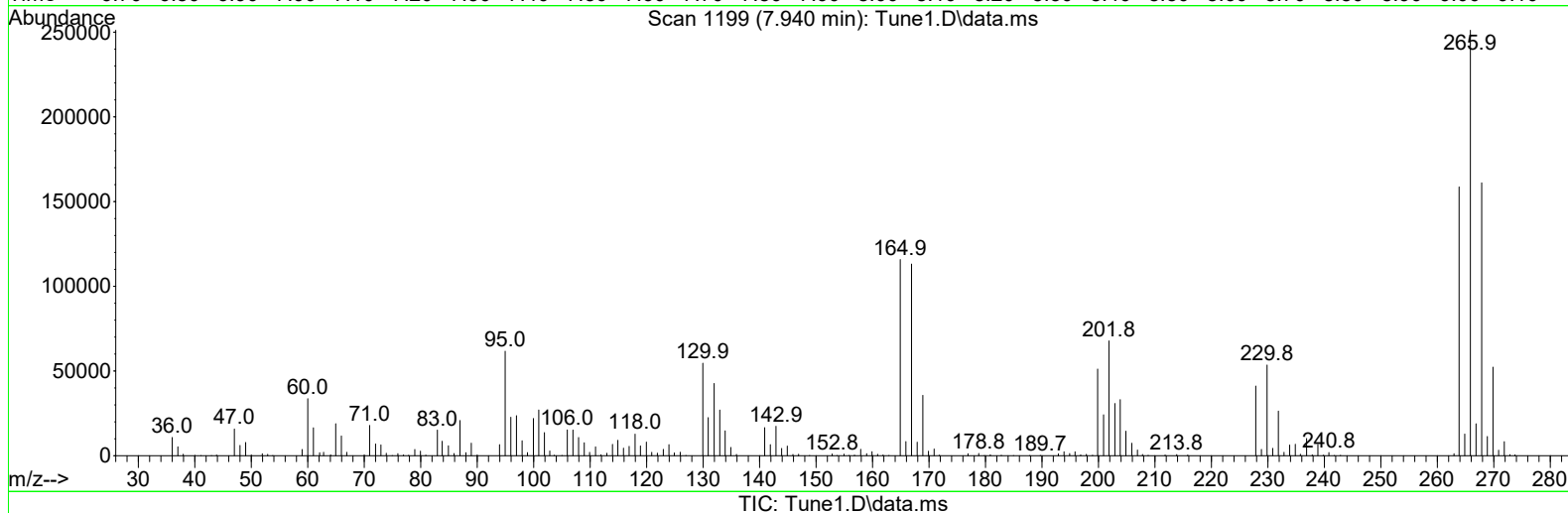
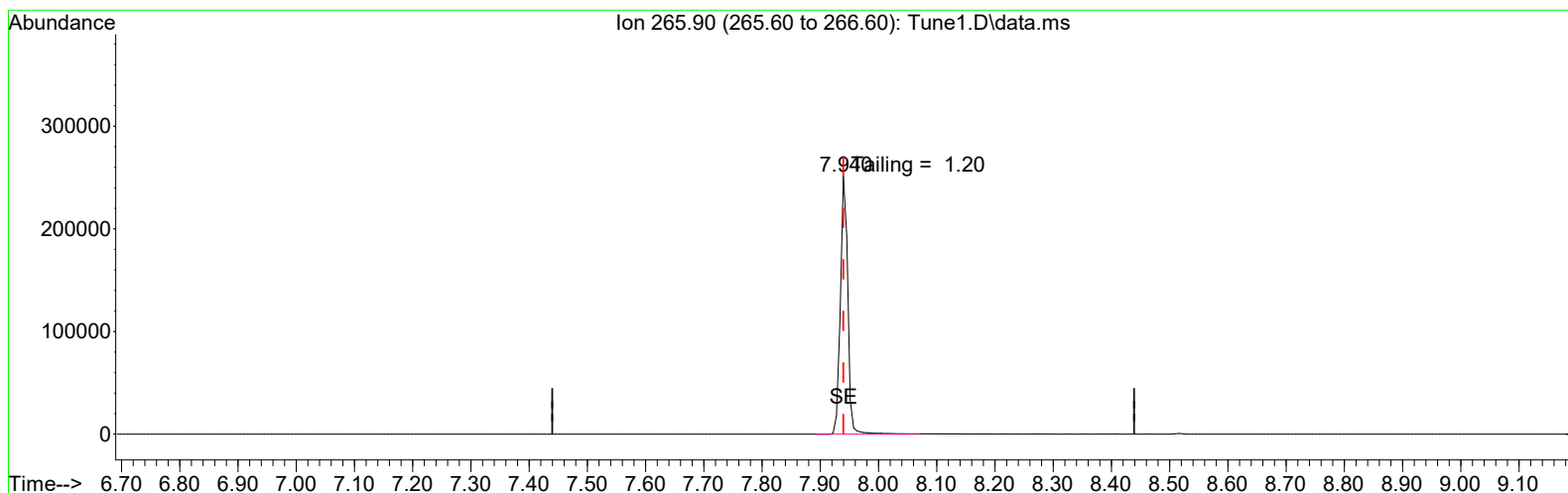
10.228min (-0.000) 0.00

response 630873

I on	Exp %	A ct%
235.10	1 00.00	100.00
237.00	71.30	66.95
165.10	47.10	49.07
199.10	16.40	16.17

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune1.D
Acq On : 17 Aug 2025 06:04 pm
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:07:37 2025
Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration



(1) Pentachlorophenol (T)

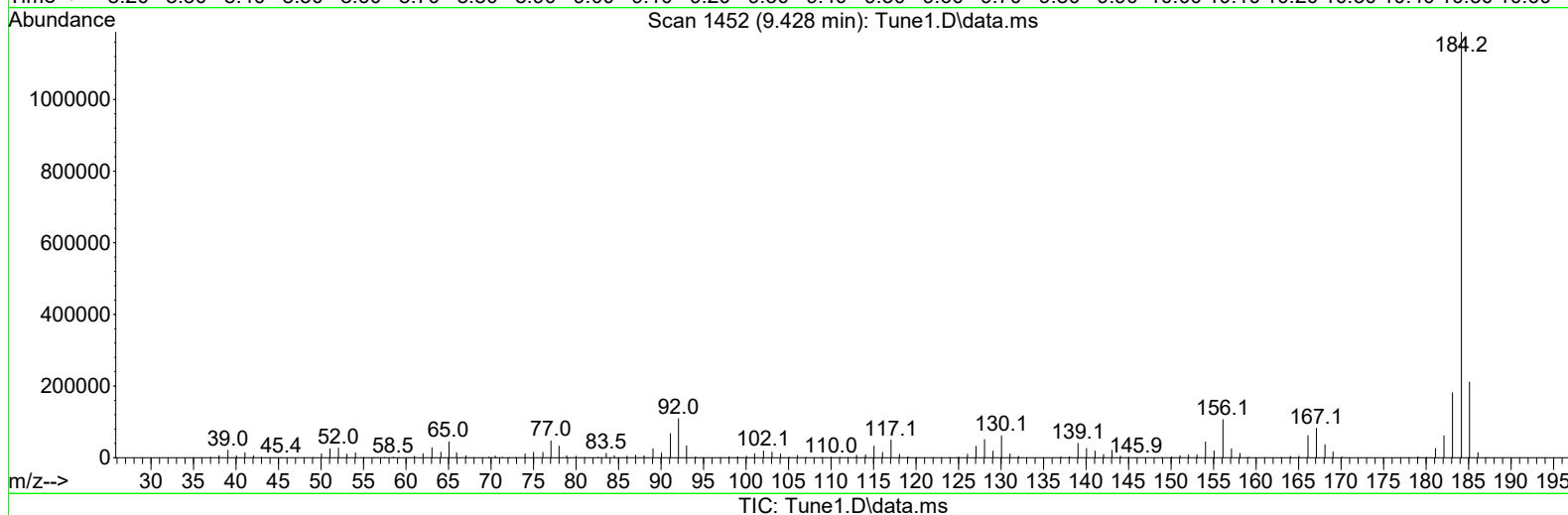
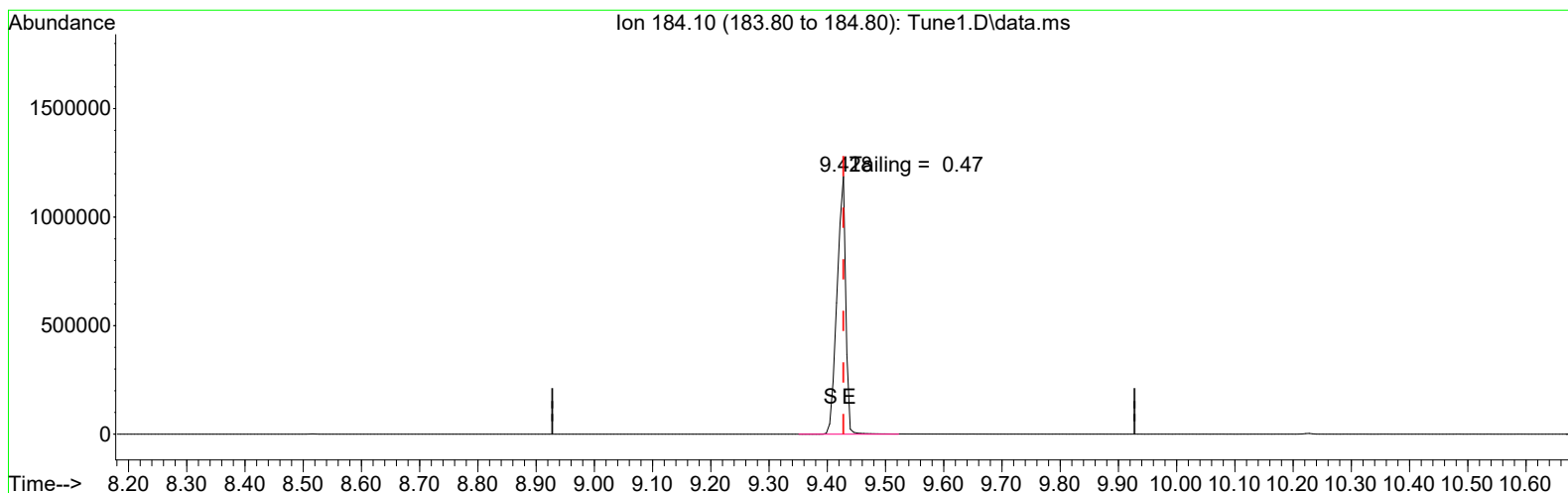
7.940min (-0.000) 0.00

response 221456

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune1.D
Acq On : 17 Aug 2025 06:04 pm
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:07:37 2025
Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration



(3) Benzidine (T)

9.428min (-0.000) 0.00

response 1231068

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL9.D
 Acq On : 17 Aug 2025 06:26 pm
 Operator : SV112:slr
 Sample : IL2,32,,ABNL50 Lot# 11871
 Misc : WG2104073,,ical
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 05:37:14 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	20157	4.000	ug/ml	# 0.00
Standard Area 1 = 18713			Recovery =	107.72%		
35) IS1_Naphthalene-d8	5.016	136	84529	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	110.77%		
63) IS1_Acenaphthene-d10	6.693	164	57488	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	111.54%		
88) IS1_Phenanthrene-d10	8.093	188	121482	4.000	ug/ml	0.01
Standard Area 1 = 112327			Recovery =	108.15%		
104) IS1_Chrysene-d12	10.616	240	128082	4.000	ug/ml	0.02
Standard Area 1 = 124647			Recovery =	102.76%		
113) IS1_Perylene-d12	11.975	264	140169	4.000	ug/ml	0.01
Standard Area 1 = 135022			Recovery =	103.81%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.393	112	325254	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.499	99	415178	0.000	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.334	82	408321	0.000	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.099	172	939770	0.000	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.451	330	218604	0.000	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.663	244	1407226	0.000	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.105	74	230710	No Calib		Qvalue
3) Pyridine	1.122	79	395083	No Calib		
5) Aniline	3.440	93	570469	No Calib		
6) 2-Chlorophenol	3.557	128	368394	No Calib		
8) Phenol	3.510	94	446623	No Calib		
9) Bis(2-chloroethyl)ether	3.552	93	347441	No Calib	#	
10) 1,3-Dichlorobenzene	3.699	146	405192	No Calib		
11) 1,4-Dichlorobenzene	3.781	146	419862	No Calib		
12) 1,2-Dichlorobenzene	3.922	146	406628	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL9.D
 Acq On : 17 Aug 2025 06:26 pm
 Operator : SV112:slr
 Sample : IL2,32,,ABNL50 Lot# 11871
 Misc : WG2104073,,ical
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 05:37:14 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	3.957	79	332367	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.110	45	562044	No	Calib	#
15)	2-Methylphenol	4.110	108	344154	No	Calib	
16)	Hexachloroethane	4.257	117	167441	No	Calib	#
17)	n-Nitrosodi-n-propylamine	4.240	70	304734	No	Calib	
18)	3-Methylphenol/4-Methy...	4.281	108	372046	No	Calib	
20)	Nitrobenzene	4.352	77	413000	No	Calib	
21)	Isophorone	4.610	82	812051	No	Calib	
22)	2-Nitrophenol	4.663	139	206693	No	Calib	
23)	2,4-Dimethylphenol	4.787	107	422277	No	Calib	
24)	Bis(2-chloroethoxy)met...	4.869	93	501437	No	Calib	#
25)	2,4-Dichlorophenol	4.922	162	385960	No	Calib	
26)	1,2,4-Trichlorobenzene	4.981	180	417348	No	Calib	
36)	Naphthalene	5.034	128	1027359	No	Calib	#
37)	Benzoic Acid	5.016	105	337541	No	Calib	
38)	4-Chloroaniline	5.128	65	176848	No	Calib	
39)	Hexachlorobutadiene	5.199	225	281371	No	Calib	
40)	p-Chloro-m-cresol	5.651	107	399753	No	Calib	
41)	2-Methylnaphthalene	5.710	142	717689	No	Calib	
42)	1-Methylnaphthalene	5.804	115	299326	No	Calib	
43)	Hexachlorocyclopentadiene	5.887	237	389955	No	Calib	
44)	2,4,6-Trichlorophenol	6.010	196	347573	No	Calib	
45)	2,4,5-Trichlorophenol	6.040	196	361325	No	Calib	
47)	2-Chloronaphthalene	6.169	162	831044	No	Calib	
48)	2-Nitroaniline	6.304	138	294928	No	Calib	
49)	1,4-Dinitrobenzene	6.446	168	149707	No	Calib	
50)	1,3-Dinitrobenzene	6.516	168	169821	No	Calib	
51)	Dimethyl phthalate	6.534	163	1025924	No	Calib	
52)	Acenaphthylene	6.557	152	1246665	No	Calib	#
53)	2,6-Dinitrotoluene	6.557	165	259104	No	Calib	#
54)	1,2-Dinitrobenzene	6.598	168	105699	No	Calib	
64)	3-Nitroaniline	6.710	138	273288	No	Calib	
65)	Acenaphthene	6.728	154	762558	No	Calib	
66)	2,4-Dinitrophenol	6.804	184	160231	No	Calib	
67)	Dibenzofuran	6.898	168	1176284	No	Calib	
68)	2,4-Dinitrotoluene	6.940	165	347108	No	Calib	#
69)	4-Nitrophenol	6.934	65	230476	No	Calib	#
70)	2,3,5,6-Tetrachlorophenol	6.998	232	345787	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL9.D
 Acq On : 17 Aug 2025 06:26 pm
 Operator : SV112:slr
 Sample : IL2,32,,ABNL50 Lot# 11871
 Misc : WG2104073,,ical
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 05:37:14 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.040	232	337921	No	Calib	
72)	Diethyl phthalate	7.210	149	1109587	No	Calib	#
73)	Fluorene	7.222	166	993839	No	Calib	
74)	4-Chlorophenyl phenyl ...	7.257	204	548677	No	Calib	#
75)	4-Nitroaniline	7.298	138	267020	No	Calib	#
76)	4,6-Dinitro-o-cresol	7.328	198	219817	No	Calib	#
77)	NDPA/DPA	7.387	169	882185	No	Calib	
78)	Azobenzene	7.404	77	975959	No	Calib	
80)	4-Bromophenyl phenyl e...	7.716	248	380568	No	Calib	#
81)	Hexachlorobenzene	7.745	284	438665	No	Calib	#
82)	Pentachlorophenol	7.945	266	304904	No	Calib	
89)	Phenanthrene	8.116	178	1438186	No	Calib	#
90)	Anthracene	8.163	178	1451658	No	Calib	#
91)	Carbazole	8.351	167	1414595	No	Calib	#
92)	Di-n-butylphthalate	8.775	149	1647576	No	Calib	#
93)	Fluoranthene	9.240	202	1699387	No	Calib	#
94)	Benzidine	9.428	184	1278579	No	Calib	
95)	Pyrene	9.445	202	1692419	No	Calib	#
97)	Butyl benzyl phthalate	10.187	149	898754	No	Calib	#
105)	Benzo(a)anthracene	10.604	228	1903995	No	Calib	#
106)	3,3'-Dichlorobenzidine	10.639	252	835279	No	Calib	
107)	Chrysene	10.645	228	1577231	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.798	149	1284159	No	Calib	#
109)	Di-n-octylphthalate	11.439	149	1959946	No	Calib	#
110)	Benzo(b)fluoranthene	11.639	252	2051959	No	Calib	
111)	Benzo(k)fluoranthene	11.669	252	1687823	No	Calib	
112)	Benzo(a)pyrene	11.934	252	1859745	No	Calib	
114)	Indeno(1,2,3-cd)pyrene	12.910	276	2151431	No	Calib	
115)	Dibenzo(a,h)anthracene	12.939	278	1846579	No	Calib	
116)	Benzo(ghi)perylene	13.116	276	1931458	No	Calib	#

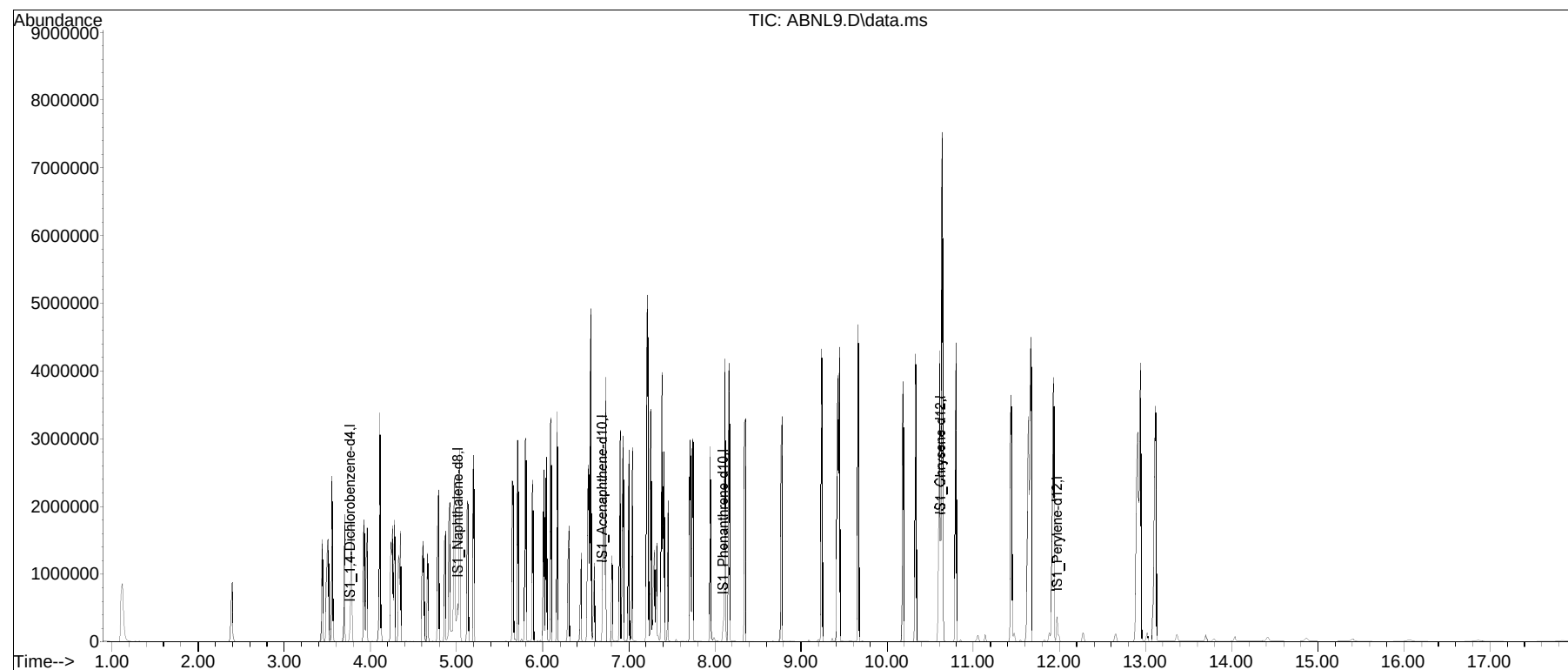
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL9.D
 Acq On : 17 Aug 2025 06:26 pm
 Operator : SV112:slr
 Sample : IL2,32,,ABNL50 Lot# 11871
 Misc : WG2104073,,ical
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 05:37:14 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

Sub List : ~~ABNL9.D~~ I:\8270\SV112\250817RVTical\AP9L6.D•

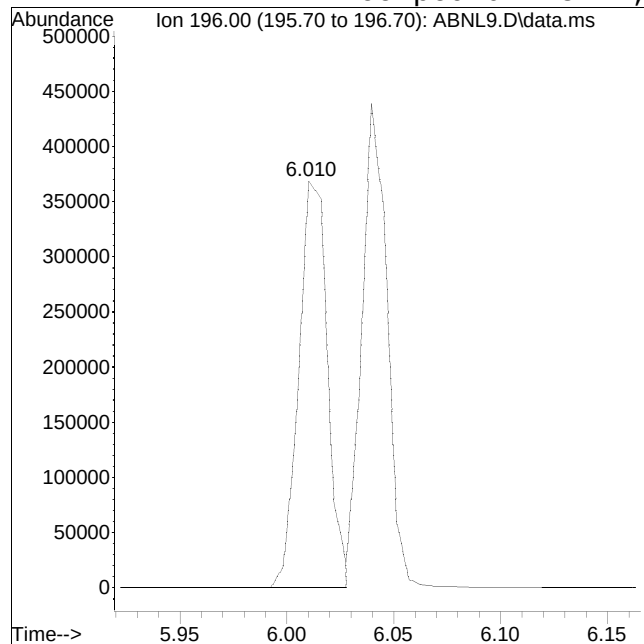


Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNL9.D
Date Inj'd : 8/17/2025 6:26 pm
Sample : IL2,32,,ABNL50 Lot# 11871

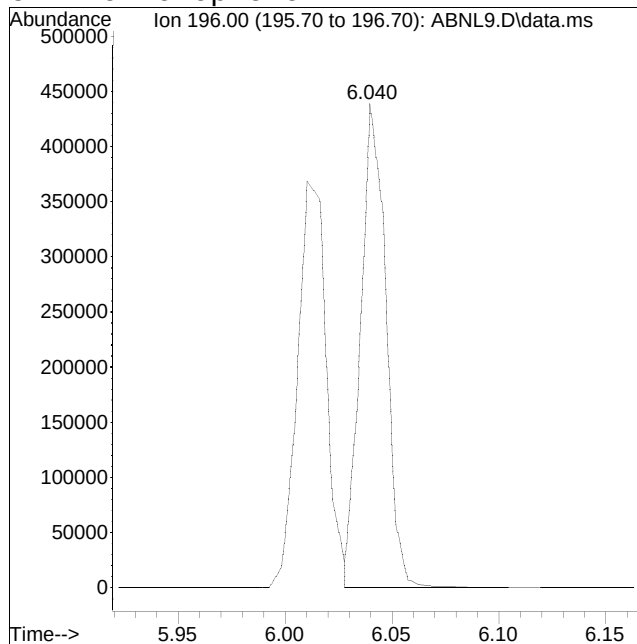
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 347573

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

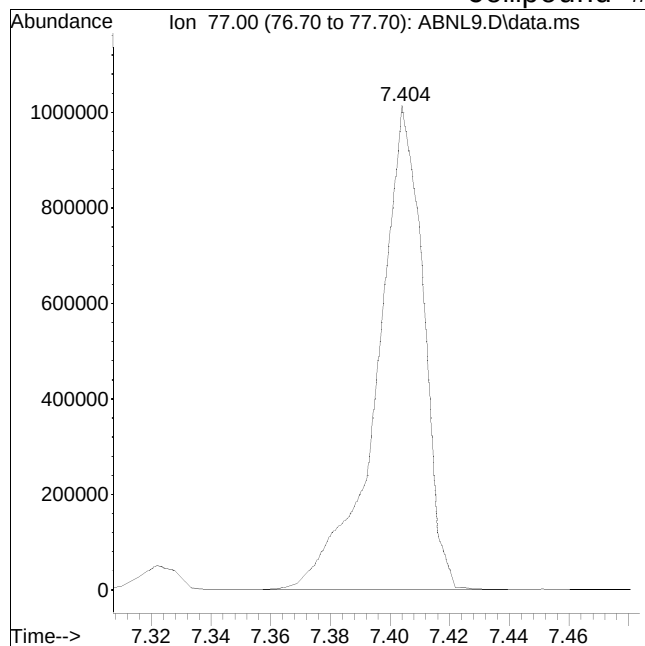


Manual Peak Response = 361325 M3

Manual Integration Report

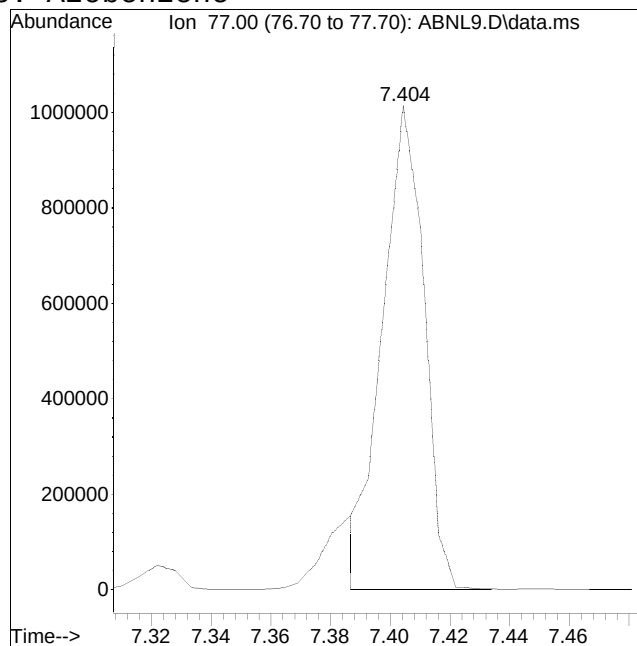
Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL9.D
Date Inj'd : 8/17/2025 6:26 pm
Sample : IL2,32,,ABNL50 Lot# 11871
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #78: Azobenzene



Original Peak Response = 1092713

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



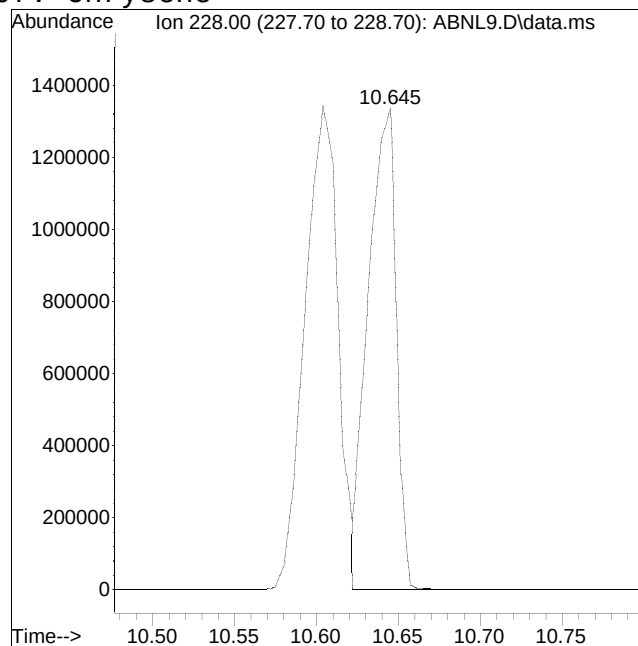
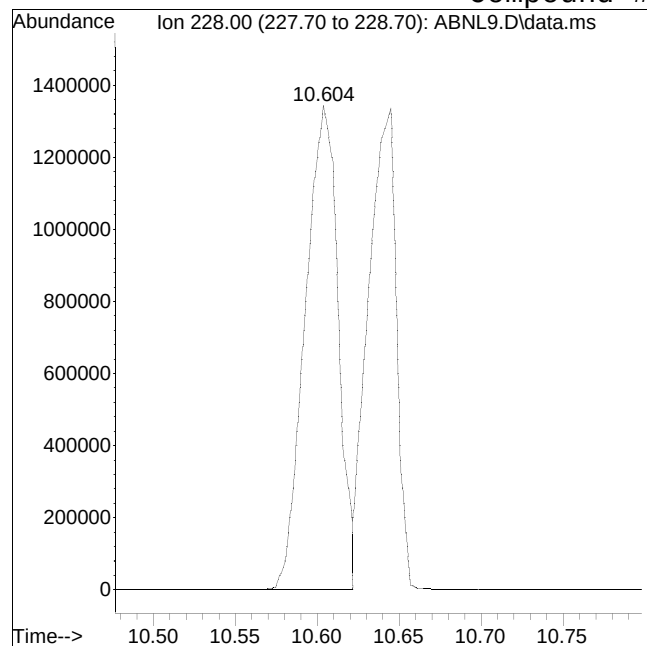
Manual Peak Response = 975959 M6

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL9.D
Date Inj'd : 8/17/2025 6:26 pm
Sample : IL2,32,,ABNL50 Lot# 11871

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #107: Chrysene



Original Peak Response = 1903995

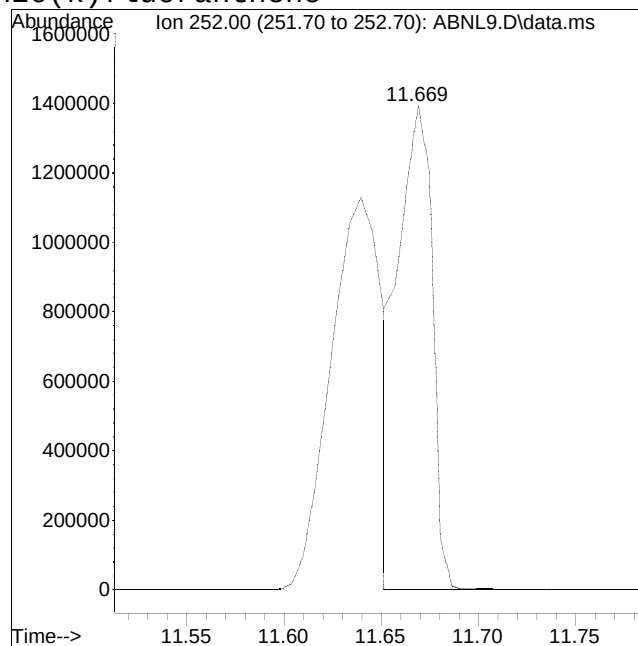
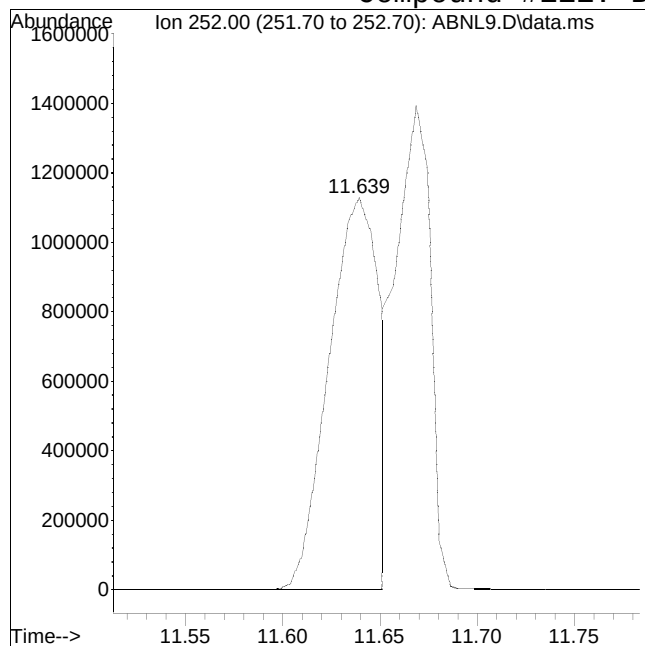
Manual Peak Response = 1577231 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL9.D
Date Inj'd : 8/17/2025 6:26 pm
Sample : IL2,32,,ABNL50 Lot# 11871
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 2051959

Manual Peak Response = 1687823 M3

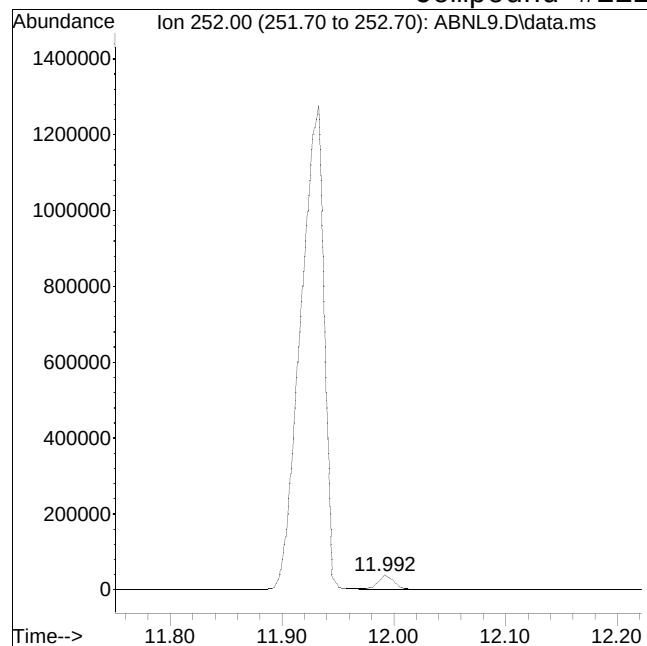
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

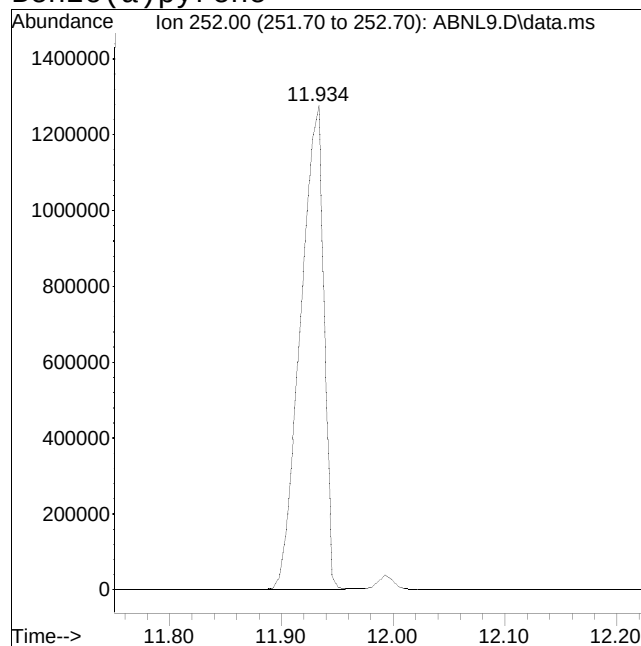
Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL9.D
Date Inj'd : 8/17/2025 6:26 pm
Sample : IL2,32,,ABNL50 Lot# 11871

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #112: Benzo(a)pyrene



Original Peak Response = 39746



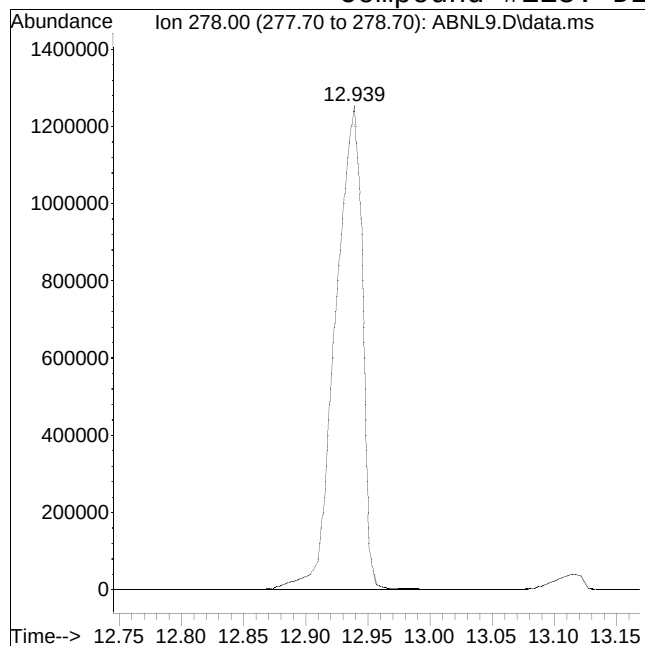
Manual Peak Response = 1859745 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

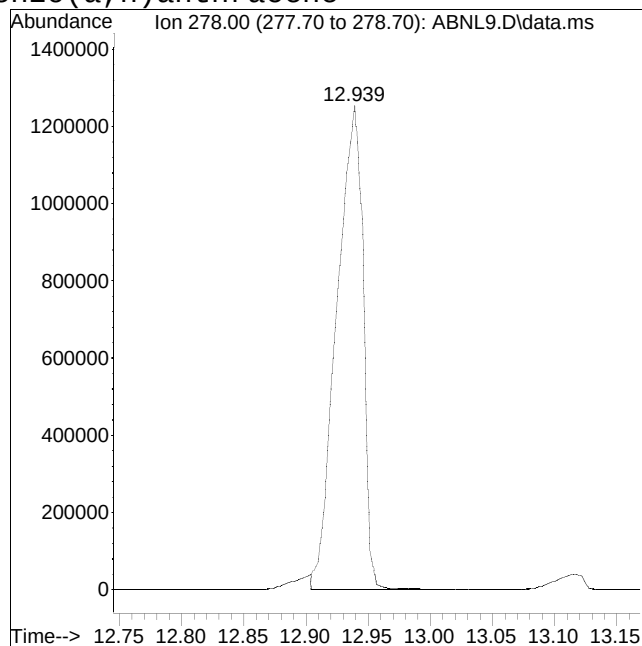
Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL9.D
Date Inj'd : 8/17/2025 6:26 pm
Sample : IL2,32,,ABNL50 Lot# 11871
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 1895209

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 1846579 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL8.D
 Acq On : 17 Aug 2025 06:49 pm
 Operator : SV112:slr
 Sample : IL3,32,,ABNL25 Lot# 11872
 Misc : WG2104073,,ical
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 05:36:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	20397	4.000	ug/ml	# 0.00
Standard Area 1 = 18713			Recovery =	109.00%		
35) IS1_Naphthalene-d8	5.010	136	86095	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	112.82%		
63) IS1_Acenaphthene-d10	6.693	164	57497	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	111.56%		
88) IS1_Phenanthrene-d10	8.087	188	121467	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	108.14%		
104) IS1_Chrysene-d12	10.604	240	130117	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	104.39%		
113) IS1_Perylene-d12	11.969	264	141180	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	104.56%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.387	112	166098	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.493	99	212754	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.328	82	206226	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.093	172	508716	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.445	330	105802	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.657	244	788533	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.105	74	116318	No Calib		Qvalue
3) Pyridine	1.122	79	198198	No Calib		
5) Aniline	3.440	93	293969	No Calib		
6) 2-Chlorophenol	3.552	128	187710	No Calib		
8) Phenol	3.505	94	230598	No Calib		
9) Bis(2-chloroethyl)ether	3.546	93	178652	No Calib	#	
10) 1,3-Dichlorobenzene	3.699	146	208421	No Calib		
11) 1,4-Dichlorobenzene	3.775	146	214316	No Calib		
12) 1,2-Dichlorobenzene	3.922	146	208556	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL8.D
 Acq On : 17 Aug 2025 06:49 pm
 Operator : SV112:slr
 Sample : IL3,32,,ABNL25 Lot# 11872
 Misc : WG2104073,,ical
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 05:36:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	3.952	79	167338	No	Calib	
14) Bis(2-chloroisopropyl)...	4.104	45	296334	No	Calib	#
15) 2-Methylphenol	4.104	108	176739	No	Calib	
16) Hexachloroethane	4.252	117	83857	No	Calib	#
17) n-Nitrosodi-n-propylamine	4.228	70	153311	No	Calib	
18) 3-Methylphenol/4-Methy...	4.275	108	187758	No	Calib	
20) Nitrobenzene	4.346	77	210512	No	Calib	
21) Isophorone	4.599	82	416006	No	Calib	
22) 2-Nitrophenol	4.663	139	103505	No	Calib	
23) 2,4-Dimethylphenol	4.781	107	214180	No	Calib	
24) Bis(2-chloroethoxy)met...	4.863	93	255651	No	Calib	#
25) 2,4-Dichlorophenol	4.916	162	195292	No	Calib	
26) 1,2,4-Trichlorobenzene	4.975	180	210950	No	Calib	
36) Naphthalene	5.034	128	564327	No	Calib	
37) Benzoic Acid	4.969	105	163167	No	Calib	
38) 4-Chloroaniline	5.128	65	86642	No	Calib	
39) Hexachlorobutadiene	5.199	225	141396	No	Calib	
40) p-Chloro-m-cresol	5.651	107	201611	No	Calib	
41) 2-Methylnaphthalene	5.710	142	375500	No	Calib	
42) 1-Methylnaphthalene	5.798	115	148064	No	Calib	
43) Hexachlorocyclopentadiene	5.881	237	193631	No	Calib	
44) 2,4,6-Trichlorophenol	6.010	196	171028	No	Calib	
45) 2,4,5-Trichlorophenol	6.040	196	183355	No	Calib	
47) 2-Chloronaphthalene	6.163	162	440139	No	Calib	
48) 2-Nitroaniline	6.298	138	146112	No	Calib	
49) 1,4-Dinitrobenzene	6.440	168	72187	No	Calib	
50) 1,3-Dinitrobenzene	6.510	168	82349	No	Calib	
51) Dimethyl phthalate	6.522	163	557296	No	Calib	
52) Acenaphthylene	6.551	152	702628	No	Calib	
53) 2,6-Dinitrotoluene	6.551	165	127954	No	Calib	#
54) 1,2-Dinitrobenzene	6.587	168	51978	No	Calib	
64) 3-Nitroaniline	6.693	138	135964	No	Calib	
65) Acenaphthene	6.722	154	402422	No	Calib	
66) 2,4-Dinitrophenol	6.798	184	75329	No	Calib	
67) Dibenzofuran	6.893	168	650457	No	Calib	
68) 2,4-Dinitrotoluene	6.928	165	169712	No	Calib	#
69) 4-Nitrophenol	6.922	65	114461	No	Calib	
70) 2,3,5,6-Tetrachlorophenol	6.993	232	170974	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL8.D
 Acq On : 17 Aug 2025 06:49 pm
 Operator : SV112:slr
 Sample : IL3,32,,ABNL25 Lot# 11872
 Misc : WG2104073,,ical
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 05:36:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.034	232	165864	No	Calib	
72)	Diethyl phthalate	7.204	149	593583	No	Calib	
73)	Fluorene	7.216	166	537741	No	Calib	
74)	4-Chlorophenyl phenyl ...	7.251	204	277056	No	Calib	#
75)	4-Nitroaniline	7.281	138	132249	No	Calib	
76)	4,6-Dinitro-o-cresol	7.310	198	106188	No	Calib	#
77)	NDPA/DPA	7.375	169	461570	No	Calib	
78)	Azobenzene	7.398	77	520256	No	Calib	
80)	4-Bromophenyl phenyl e...	7.710	248	190663	No	Calib	
81)	Hexachlorobenzene	7.740	284	219261	No	Calib	#
82)	Pentachlorophenol	7.940	266	147263	No	Calib	
89)	Phenanthrene	8.110	178	816324	No	Calib	
90)	Anthracene	8.157	178	825788	No	Calib	
91)	Carbazole	8.340	167	783509	No	Calib	
92)	Di-n-butylphthalate	8.769	149	972531	No	Calib	
93)	Fluoranthene	9.234	202	981094	No	Calib	
94)	Benzidine	9.416	184	694998	No	Calib	
95)	Pyrene	9.439	202	997772	No	Calib	
97)	Butyl benzyl phthalate	10.181	149	473012	No	Calib	
105)	Benzo(a)anthracene	10.598	228	1090479	No	Calib	
106)	3,3'-Dichlorobenzidine	10.628	252	444553	No	Calib	
107)	Chrysene	10.634	228	923284	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.792	149	703302	No	Calib	#
109)	Di-n-octylphthalate	11.434	149	1138502	No	Calib	
110)	Benzo(b)fluoranthene	11.628	252	1060154	No	Calib	
111)	Benzo(k)fluoranthene	11.657	252	1022449	No	Calib	
112)	Benzo(a)pyrene	11.922	252	1023108	No	Calib	
114)	Indeno(1,2,3-cd)pyrene	12.892	276	1070131	No	Calib	
115)	Dibenzo(a,h)anthracene	12.928	278	990695	No	Calib	
116)	Benzo(ghi)perylene	13.104	276	1018947	No	Calib	

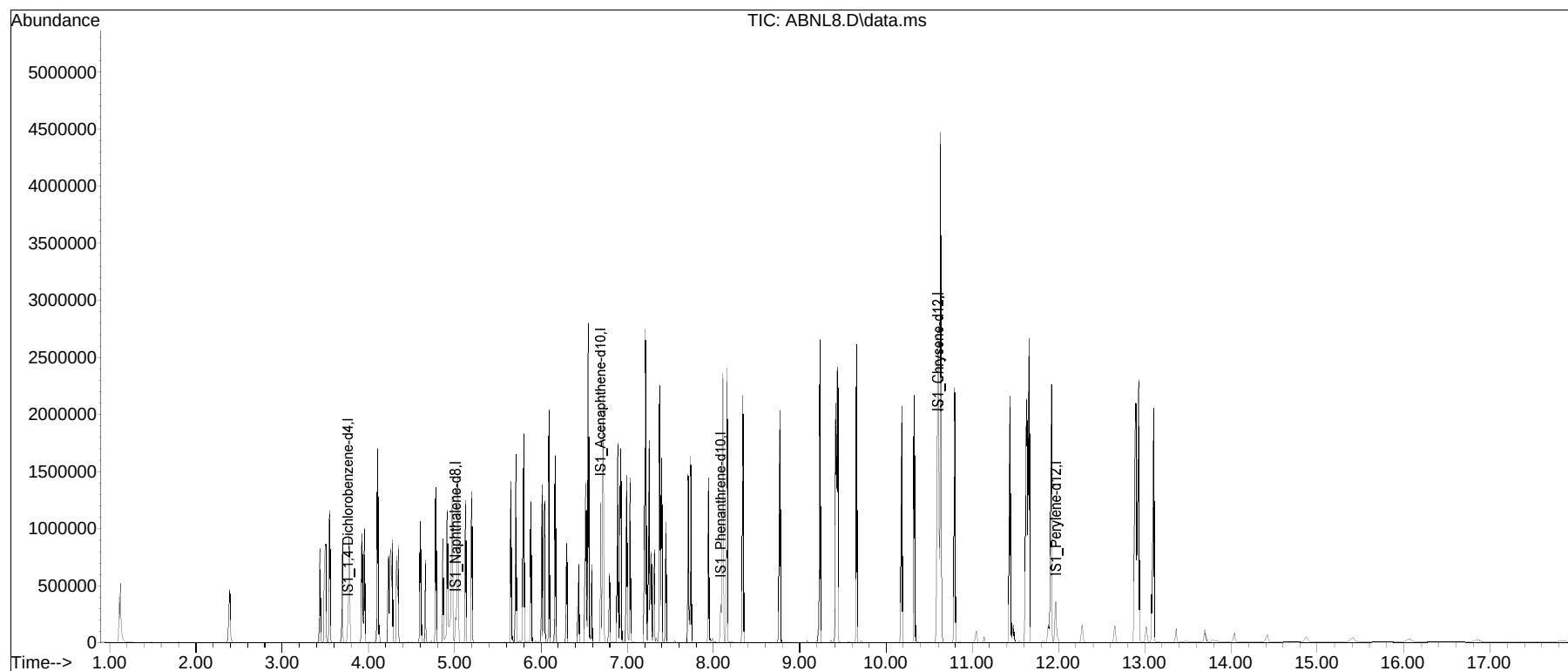
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL8.D
 Acq On : 17 Aug 2025 06:49 pm
 Operator : SV112:slr
 Sample : IL3,32,,ABNL25 Lot# 11872
 Misc : WG2104073,,ical
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 05:36:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

Sub List : ~~ABNL8.D~~ I:\8270\SV112\250817RVTical\AP9L6.D•

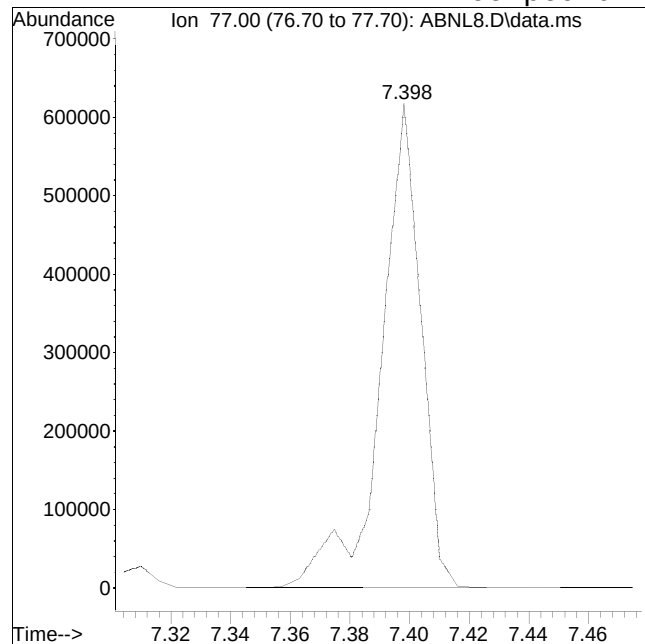


Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNL8.D
Date Inj'd : 8/17/2025 6:49 pm
Sample : IL3,32,,ABNL25 Lot# 11872

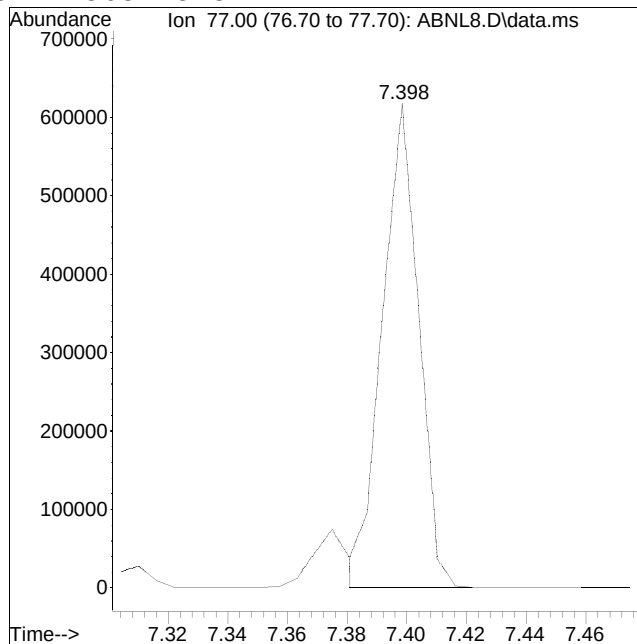
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #78: Azobenzene



Original Peak Response = 578247

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

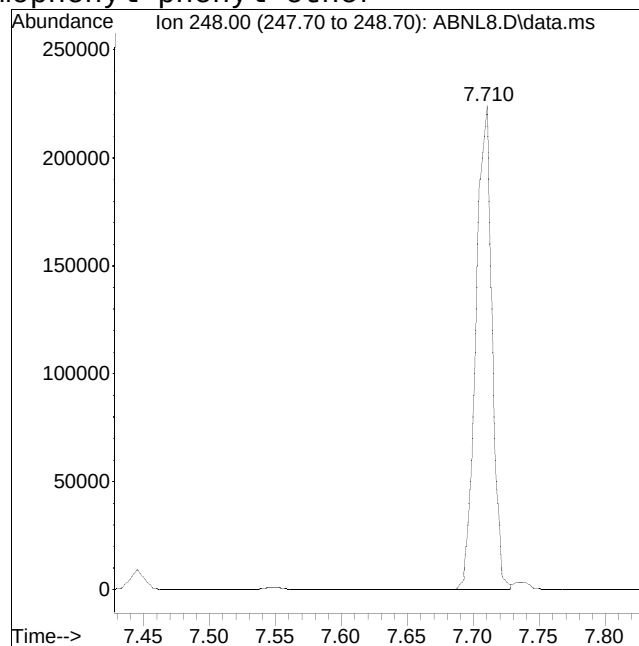
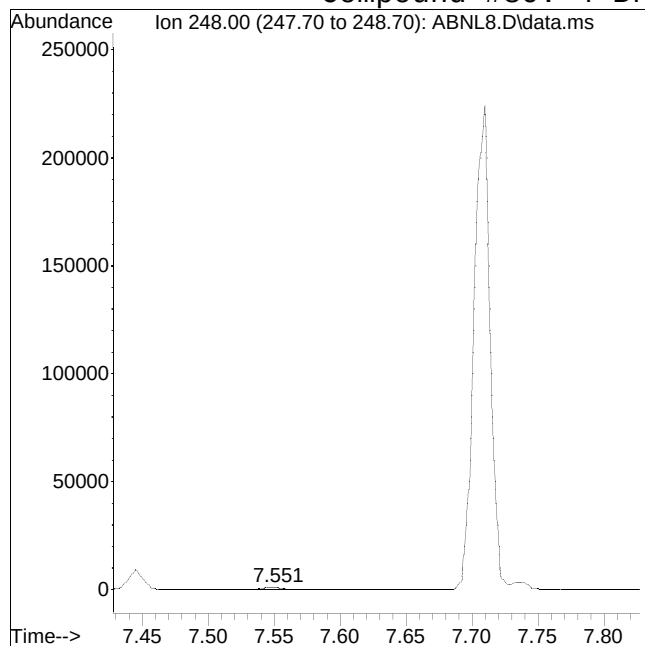


Manual Peak Response = 520256 M6

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL8.D
Date Inj'd : 8/17/2025 6:49 pm
Sample : IL3,32,,ABNL25 Lot# 11872
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #80: 4-Bromophenyl phenyl ether



Original Peak Response = 1228

Manual Peak Response = 190663 M3

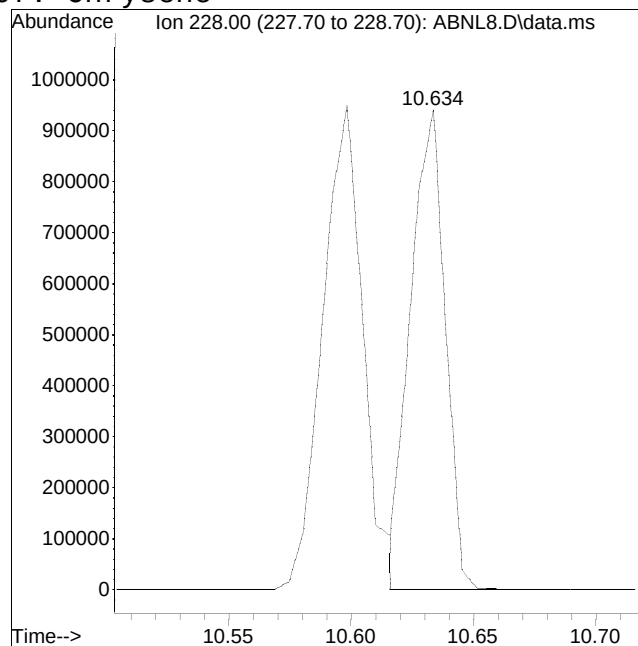
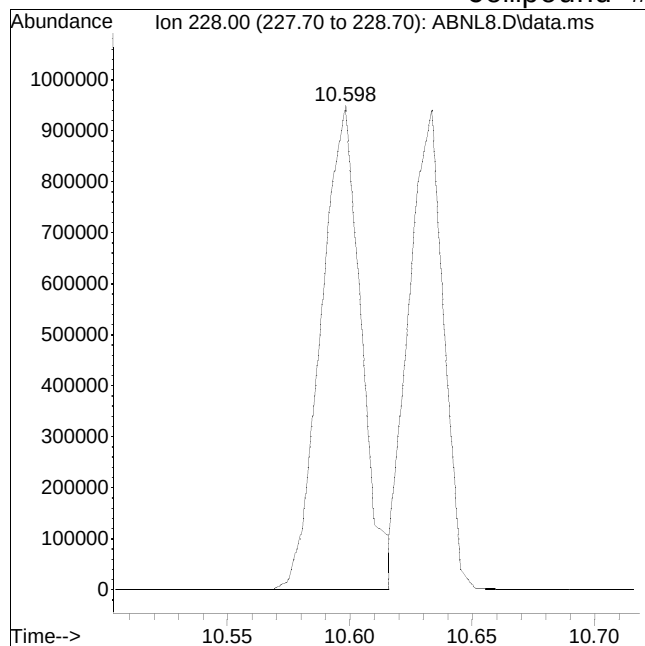
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL8.D
Date Inj'd : 8/17/2025 6:49 pm
Sample : IL3,32,,ABNL25 Lot# 11872

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #107: Chrysene



Original Peak Response = 1090479

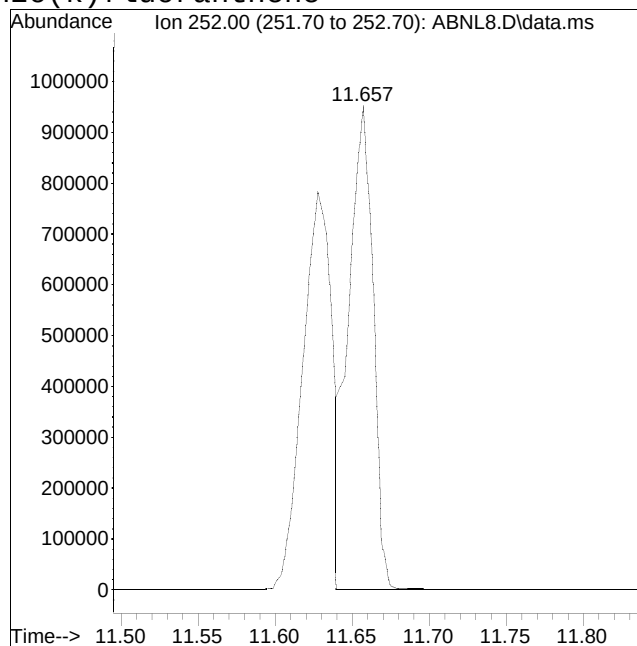
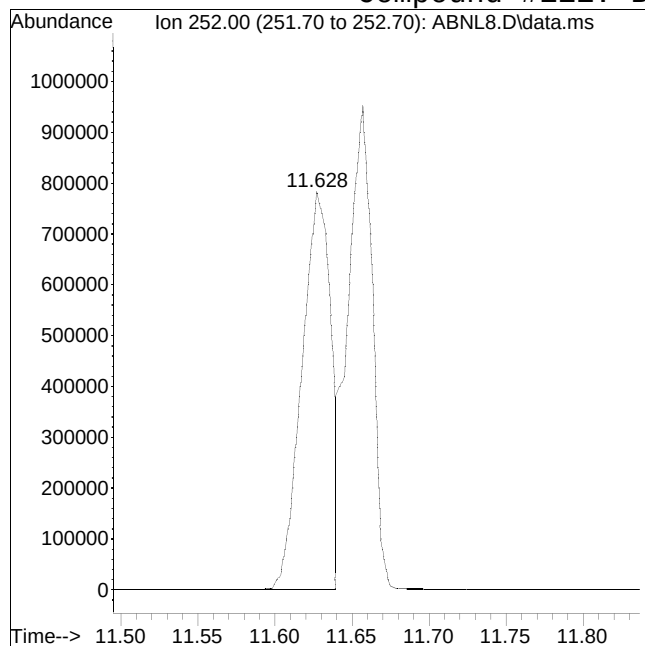
Manual Peak Response = 923284 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL8.D
Date Inj'd : 8/17/2025 6:49 pm
Sample : IL3,32,,ABNL25 Lot# 11872
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 1060154

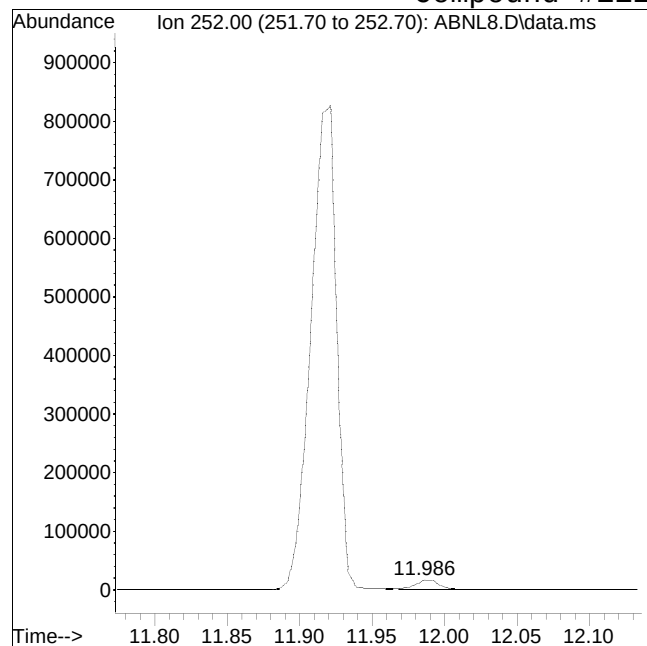
Manual Peak Response = 1022449 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

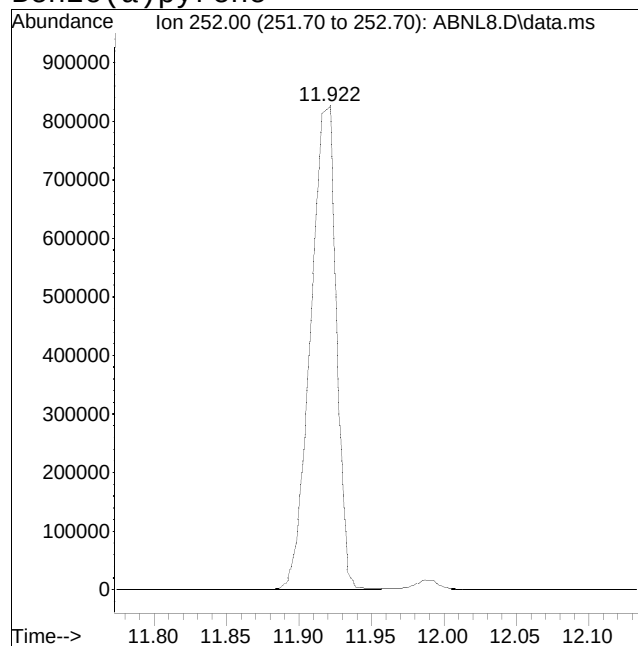
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL8.D
Date Inj'd : 8/17/2025 6:49 pm
Sample : IL3,32,,ABNL25 Lot# 11872
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #112: Benzo(a)pyrene



Original Peak Response = 18960



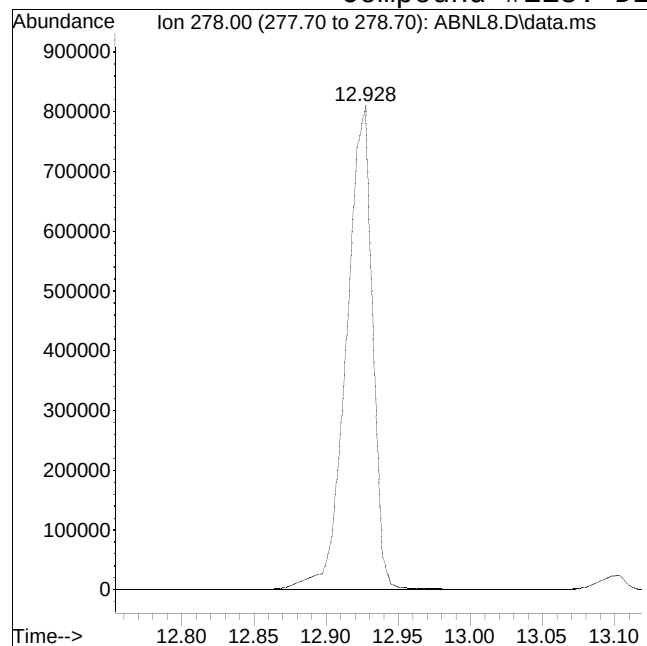
Manual Peak Response = 1023108 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

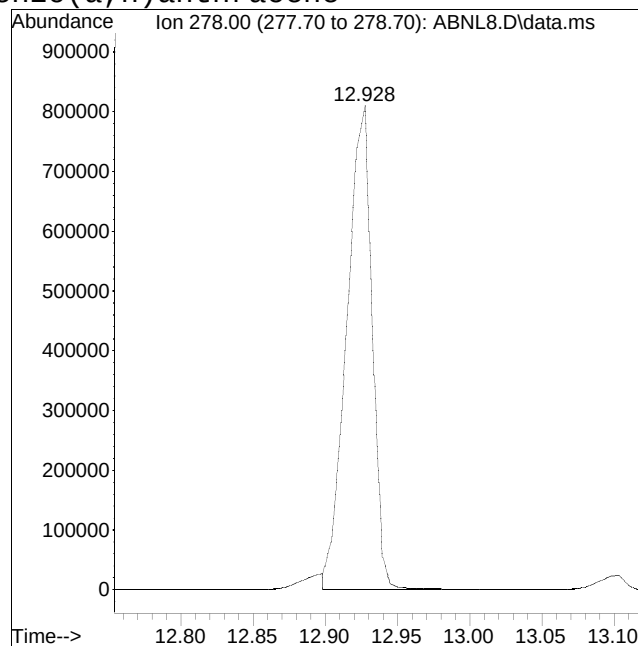
Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL8.D
Date Inj'd : 8/17/2025 6:49 pm
Sample : IL3,32,,ABNL25 Lot# 11872
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 1023938

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 990695 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL7.D
 Acq On : 17 Aug 2025 07:12 pm
 Operator : SV112:slr
 Sample : IL4,32,,ABNL10 Lot# 11873
 Misc : WG2104073,,ical
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 05:35:00 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.758	152	20125	4.000	ug/ml	# 0.00
Standard Area 1 = 18713			Recovery =	107.55%		
35) IS1_Naphthalene-d8	5.011	136	83244	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	109.09%		
63) IS1_Acenaphthene-d10	6.687	164	55486	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	107.66%		
88) IS1_Phenanthrene-d10	8.087	188	119386	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	106.28%		
104) IS1_Chrysene-d12	10.604	240	129022	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	103.51%		
113) IS1_Perylene-d12	11.963	264	142170	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	105.29%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.387	112	69910	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.487	99	91502	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.322	82	86853	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.087	172	226034	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.446	330	43358	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.657	244	372483	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.105	74	49778	No Calib		
3) Pyridine	1.122	79	88188	No Calib		
5) Aniline	3.434	93	127103	No Calib		
6) 2-Chlorophenol	3.552	128	81472	No Calib		
8) Phenol	3.499	94	99314	No Calib		
9) Bis(2-chloroethyl)ether	3.546	93	78272	No Calib #		
10) 1,3-Dichlorobenzene	3.699	146	91421	No Calib		
11) 1,4-Dichlorobenzene	3.775	146	92983	No Calib		
12) 1,2-Dichlorobenzene	3.922	146	90874	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL7.D
 Acq On : 17 Aug 2025 07:12 pm
 Operator : SV112:slr
 Sample : IL4,32,,ABNL10 Lot# 11873
 Misc : WG2104073,,ical
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 05:35:00 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	3.946	79	71171	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.105	45	131180	No	Calib	#
15)	2-Methylphenol	4.105	108	73655	No	Calib	
16)	Hexachloroethane	4.252	117	35633	No	Calib	#
17)	n-Nitrosodi-n-propylamine	4.228	70	65813	No	Calib	
18)	3-Methylphenol/4-Methy...	4.269	108	80810	No	Calib	
20)	Nitrobenzene	4.340	77	91205	No	Calib	
21)	Isophorone	4.599	82	180096	No	Calib	
22)	2-Nitrophenol	4.663	139	42624	No	Calib	
23)	2,4-Dimethylphenol	4.781	107	93046	No	Calib	
24)	Bis(2-chloroethoxy)met...	4.858	93	112209	No	Calib	#
25)	2,4-Dichlorophenol	4.911	162	82176	No	Calib	
26)	1,2,4-Trichlorobenzene	4.975	180	90920	No	Calib	
36)	Naphthalene	5.028	128	255240	No	Calib	
37)	Benzoic Acid	4.922	105	61247	No	Calib	
38)	4-Chloroaniline	5.122	65	38051	No	Calib	
39)	Hexachlorobutadiene	5.199	225	60056	No	Calib	
40)	p-Chloro-m-cresol	5.646	107	87652	No	Calib	
41)	2-Methylnaphthalene	5.710	142	166029	No	Calib	
42)	1-Methylnaphthalene	5.799	115	64844	No	Calib	
43)	Hexachlorocyclopentadiene	5.881	237	79780	No	Calib	
44)	2,4,6-Trichlorophenol	6.010	196	71967	No	Calib	
45)	2,4,5-Trichlorophenol	6.034	196	78126	No	Calib	
47)	2-Chloronaphthalene	6.163	162	193127	No	Calib	
48)	2-Nitroaniline	6.293	138	60512	No	Calib	
49)	1,4-Dinitrobenzene	6.434	168	29673	No	Calib	
50)	1,3-Dinitrobenzene	6.505	168	34378	No	Calib	
51)	Dimethyl phthalate	6.516	163	252759	No	Calib	
52)	Acenaphthylene	6.546	152	324266	No	Calib	
53)	2,6-Dinitrotoluene	6.546	165	50865	No	Calib	#
54)	1,2-Dinitrobenzene	6.581	168	21932	No	Calib	
64)	3-Nitroaniline	6.687	138	58065	No	Calib	#
65)	Acenaphthene	6.716	154	179281	No	Calib	
66)	2,4-Dinitrophenol	6.793	184	30265	No	Calib	
67)	Dibenzofuran	6.887	168	298714	No	Calib	
68)	2,4-Dinitrotoluene	6.922	165	73714	No	Calib	#
69)	4-Nitrophenol	6.916	65	51398	No	Calib	#
70)	2,3,5,6-Tetrachlorophenol	6.993	232	71041	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL7.D
 Acq On : 17 Aug 2025 07:12 pm
 Operator : SV112:slr
 Sample : IL4,32,,ABNL10 Lot# 11873
 Misc : WG2104073,,ical
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 05:35:00 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.028	232	69864	No	Calib	
72)	Diethyl phthalate	7.199	149	264215	No	Calib	
73)	Fluorene	7.210	166	241463	No	Calib	
74)	4-Chlorophenyl phenyl ...	7.252	204	123496	No	Calib	#
75)	4-Nitroaniline	7.269	138	57626	No	Calib	
76)	4,6-Dinitro-o-cresol	7.305	198	42596	No	Calib	#
77)	NDPA/DPA	7.369	169	207083	No	Calib	
78)	Azobenzene	7.393	77	230691	No	Calib	
80)	4-Bromophenyl phenyl e...	7.704	248	85914	No	Calib	#
81)	Hexachlorobenzene	7.734	284	96911	No	Calib	#
82)	Pentachlorophenol	7.940	266	60064	No	Calib	
89)	Phenanthrene	8.104	178	382697	No	Calib	
90)	Anthracene	8.152	178	391763	No	Calib	
91)	Carbazole	8.340	167	362206	No	Calib	
92)	Di-n-butylphthalate	8.769	149	456235	No	Calib	
93)	Fluoranthene	9.228	202	477312	No	Calib	
94)	Benzidine	9.416	184	313579	No	Calib	#
95)	Pyrene	9.434	202	486317	No	Calib	
97)	Butyl benzyl phthalate	10.181	149	205779	No	Calib	
105)	Benzo(a)anthracene	10.593	228	506022	No	Calib	
106)	3,3'-Dichlorobenzidine	10.622	252	202300	No	Calib	#
107)	Chrysene	10.628	228	461368	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.793	149	310847	No	Calib	
109)	Di-n-octylphthalate	11.428	149	526661	No	Calib	
110)	Benzo(b)fluoranthene	11.622	252	504148	No	Calib	#
111)	Benzo(k)fluoranthene	11.651	252	492970	No	Calib	
112)	Benzo(a)pyrene	11.910	252	477527	No	Calib	#
114)	Indeno(1,2,3-cd)pyrene	12.887	276	495626	No	Calib	
115)	Dibenzo(a,h)anthracene	12.916	278	469544	No	Calib	
116)	Benzo(ghi)perylene	13.087	276	472779	No	Calib	

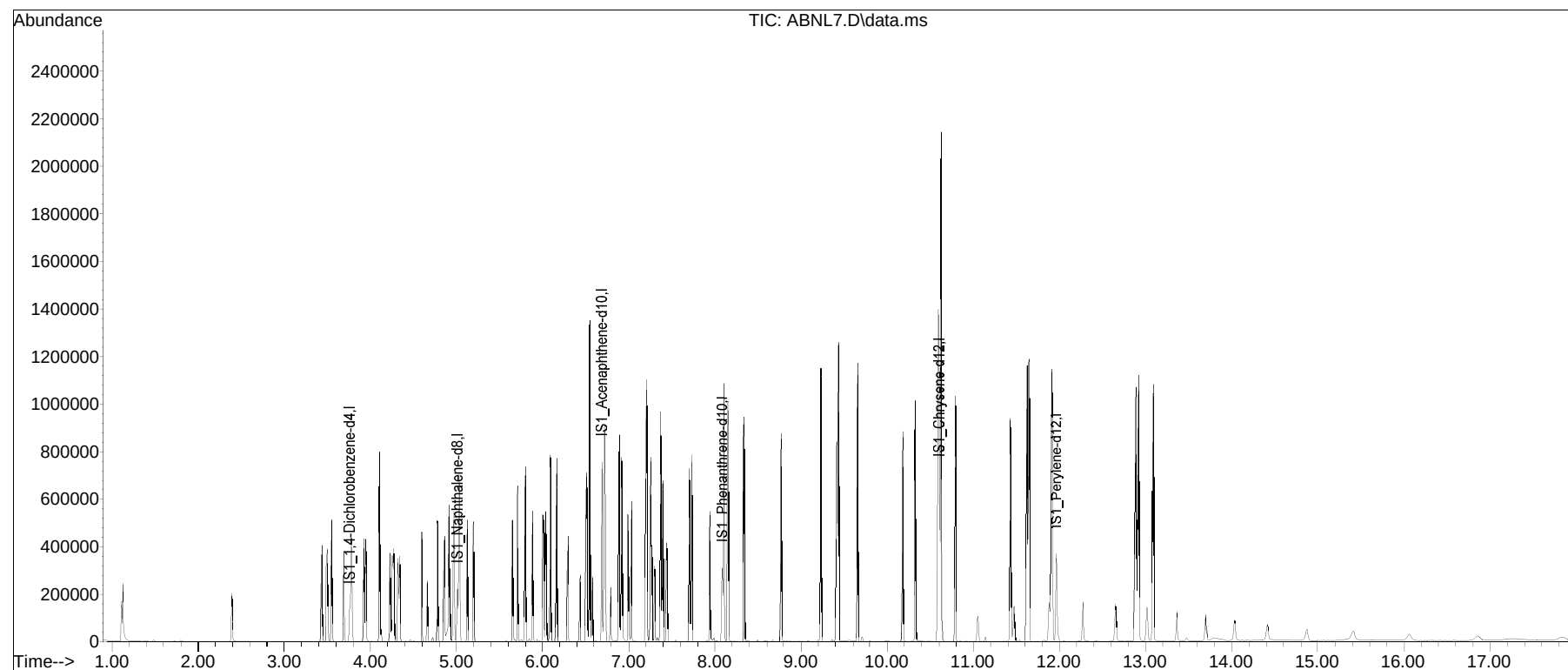
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL7.D
Acq On : 17 Aug 2025 07:12 pm
Operator : SV112:slr
Sample : IL4,32,,ABNL10 Lot# 11873
Misc : WG2104073,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 05:35:00 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

Sub List : ~~ABNL7.D~~ I:\8270\SV112\250817RVTical\AP9L6.D•

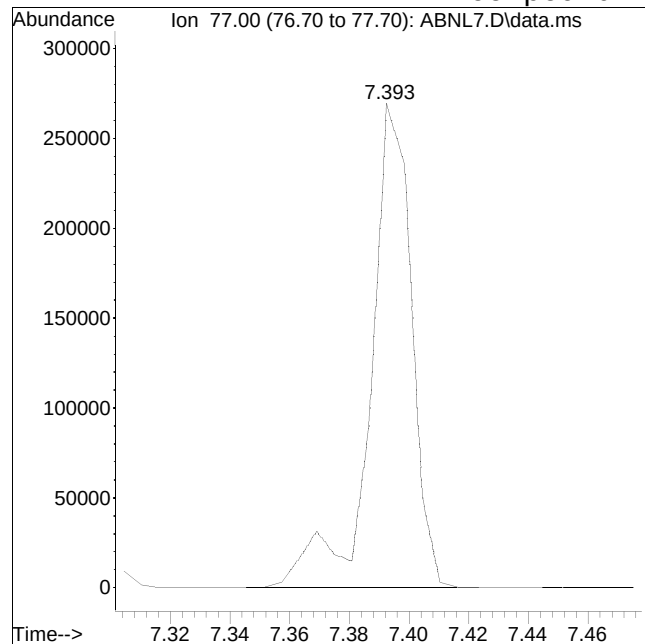


Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNL7.D
Date Inj'd : 8/17/2025 7:12 pm
Sample : IL4,32,,ABNL10 Lot# 11873

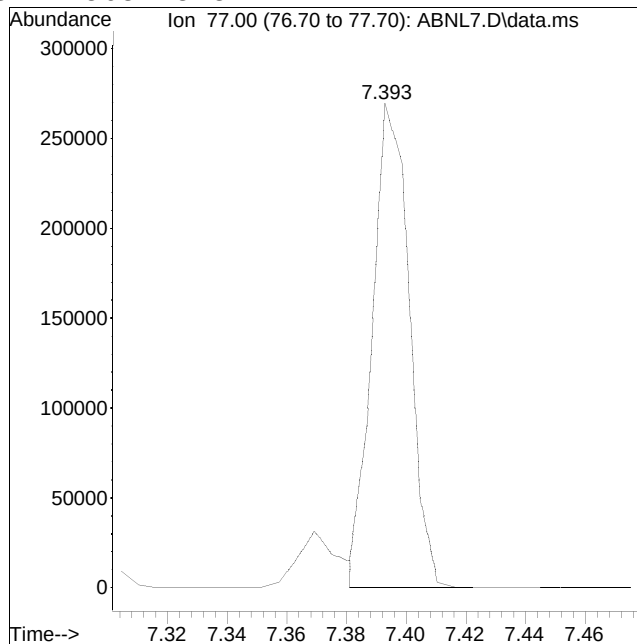
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #78: Azobenzene



Original Peak Response = 259425

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

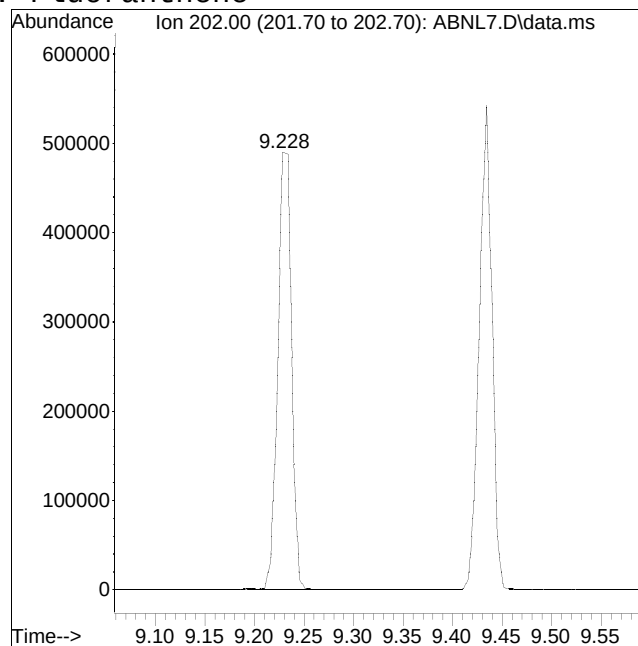
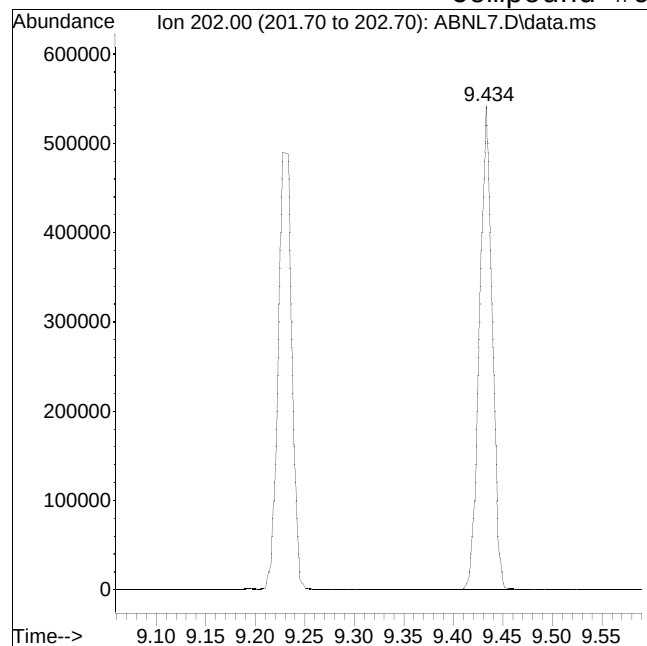


Manual Peak Response = 230691 M6

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL7.D
Date Inj'd : 8/17/2025 7:12 pm
Sample : IL4,32,,ABNL10 Lot# 11873
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #93: Fluoranthene



Original Peak Response = 485517

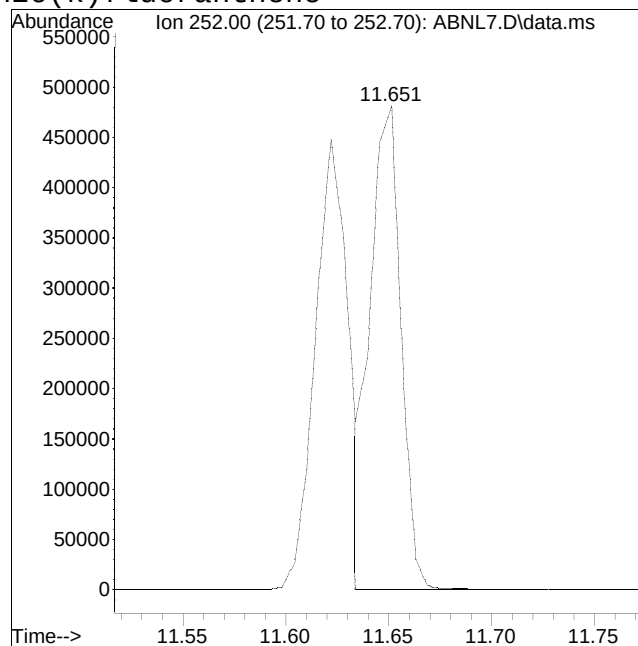
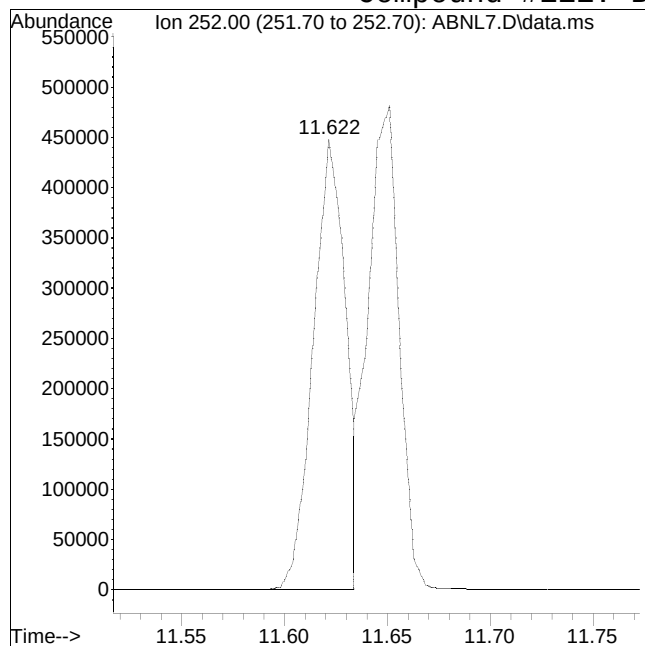
Manual Peak Response = 477312 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL7.D
Date Inj'd : 8/17/2025 7:12 pm
Sample : IL4,32,,ABNL10 Lot# 11873
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 504148

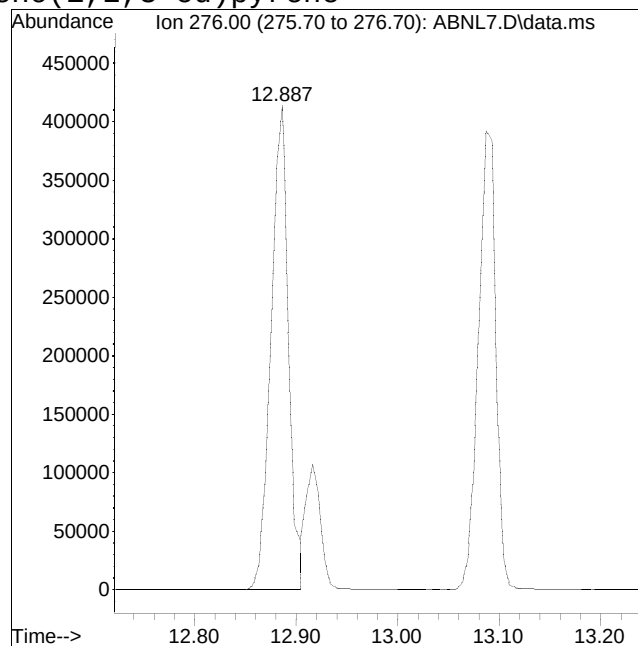
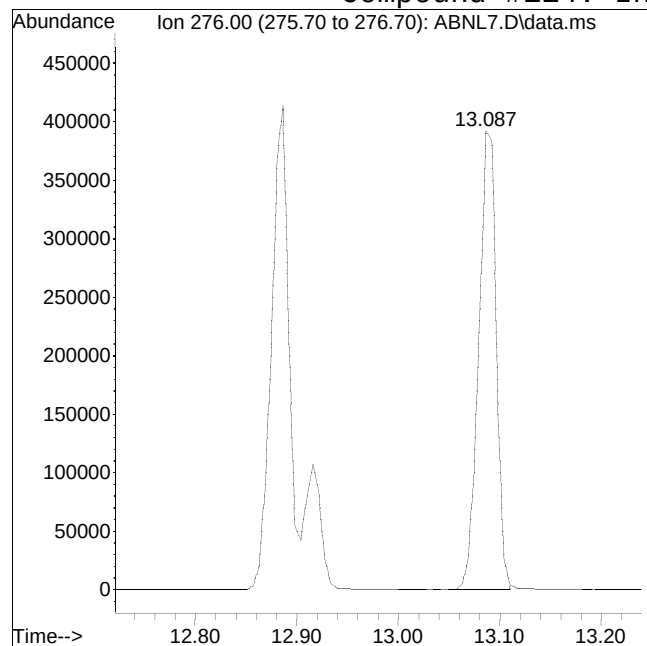
Manual Peak Response = 492970 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL7.D
Date Inj'd : 8/17/2025 7:12 pm
Sample : IL4,32,,ABNL10 Lot# 11873
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 471023

Manual Peak Response = 495626 M3

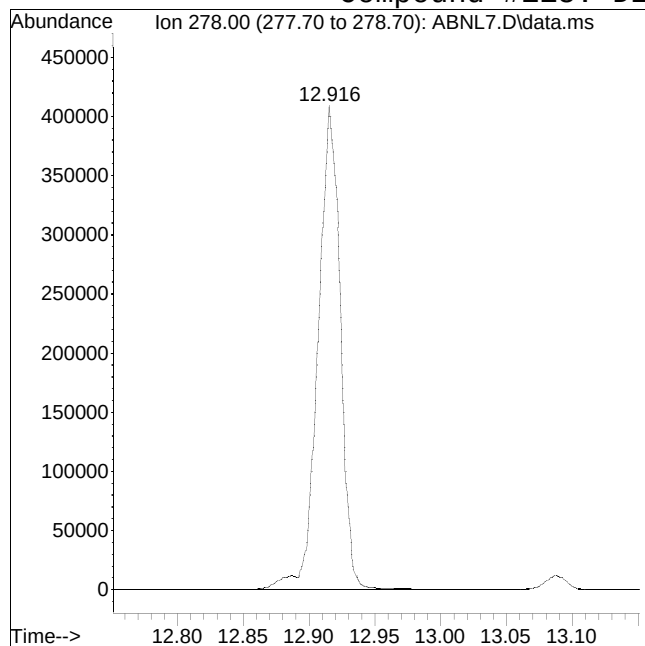
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL7.D
Date Inj'd : 8/17/2025 7:12 pm
Sample : IL4,32,,ABNL10 Lot# 11873

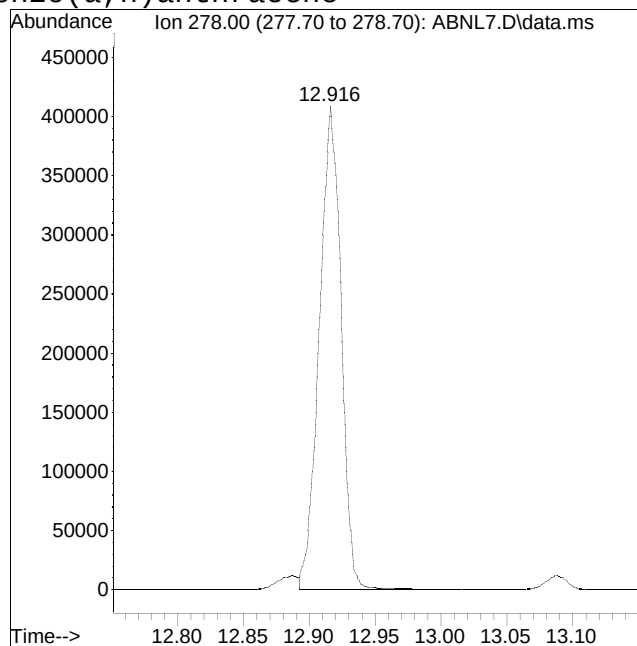
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 485315

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 469544 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL6.D
 Acq On : 17 Aug 2025 07:34 pm
 Operator : SV112:slr
 Sample : IL5,32,,ABNL5 Lot# 11874
 Misc : WG2104073,,ical
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 05:23:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	18713	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery =	100.00%		
35) IS1_Naphthalene-d8	5.010	136	76311	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	100.00%		
63) IS1_Acenaphthene-d10	6.687	164	51538	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	100.00%		
88) IS1_Phenanthrene-d10	8.081	188	112327	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	100.00%		
104) IS1_Chrysene-d12	10.598	240	124647	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	100.00%		
113) IS1_Perylene-d12	11.963	264	135022	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	100.00%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.393	112	29089	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.487	99	38345	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.322	82	35742	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.087	172	98945	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.440	330	17746	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.651	244	166355	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.105	74	20635	No Calib	#	Qvalue
3) Pyridine	1.128	79	32541	No Calib		
5) Aniline	3.434	93	52626	No Calib		
6) 2-Chlorophenol	3.552	128	34547	No Calib		
8) Phenol	3.499	94	41277	No Calib		
9) Bis(2-chloroethyl)ether	3.546	93	33512	No Calib	#	
10) 1,3-Dichlorobenzene	3.699	146	39438	No Calib		
11) 1,4-Dichlorobenzene	3.775	146	40692	No Calib		
12) 1,2-Dichlorobenzene	3.922	146	39473	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL6.D
 Acq On : 17 Aug 2025 07:34 pm
 Operator : SV112:slr
 Sample : IL5,32,,ABNL5 Lot# 11874
 Misc : WG2104073,,ical
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 05:23:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	3.946	79	28865	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.105	45	54741	No	Calib	#
15)	2-Methylphenol	4.105	108	30628	No	Calib	
16)	Hexachloroethane	4.252	117	15054	No	Calib	#
17)	n-Nitrosodi-n-propylamine	4.228	70	26907	No	Calib	
18)	3-Methylphenol/4-Methy...	4.269	108	33061	No	Calib	
20)	Nitrobenzene	4.340	77	36708	No	Calib	
21)	Isophorone	4.599	82	75426	No	Calib	
22)	2-Nitrophenol	4.663	139	16596	No	Calib	
23)	2,4-Dimethylphenol	4.775	107	38463	No	Calib	
24)	Bis(2-chloroethoxy)met...	4.858	93	47250	No	Calib	
25)	2,4-Dichlorophenol	4.910	162	34276	No	Calib	
26)	1,2,4-Trichlorobenzene	4.975	180	38690	No	Calib	
36)	Naphthalene	5.028	128	109202	No	Calib	
37)	Benzoic Acid	4.899	105	21211	No	Calib	
38)	4-Chloroaniline	5.122	65	15154	No	Calib	
39)	Hexachlorobutadiene	5.199	225	25840	No	Calib	
40)	p-Chloro-m-cresol	5.646	107	35064	No	Calib	
41)	2-Methylnaphthalene	5.705	142	70152	No	Calib	
42)	1-Methylnaphthalene	5.799	115	27180	No	Calib	
43)	Hexachlorocyclopentadiene	5.881	237	31700	No	Calib	
44)	2,4,6-Trichlorophenol	6.010	196	29077	No	Calib	
45)	2,4,5-Trichlorophenol	6.034	196	32896	No	Calib	
47)	2-Chloronaphthalene	6.163	162	82550	No	Calib	
48)	2-Nitroaniline	6.293	138	22992	No	Calib	
49)	1,4-Dinitrobenzene	6.428	168	11715	No	Calib	
50)	1,3-Dinitrobenzene	6.505	168	13263	No	Calib	
51)	Dimethyl phthalate	6.510	163	109370	No	Calib	
52)	Acenaphthylene	6.546	152	142896	No	Calib	
53)	2,6-Dinitrotoluene	6.540	165	21187	No	Calib	#
54)	1,2-Dinitrobenzene	6.575	168	8807	No	Calib	#
64)	3-Nitroaniline	6.687	138	23051	No	Calib	#
65)	Acenaphthene	6.716	154	76488	No	Calib	
66)	2,4-Dinitrophenol	6.787	184	11255	No	Calib	#
67)	Dibenzofuran	6.887	168	130202	No	Calib	
68)	2,4-Dinitrotoluene	6.916	165	29057	No	Calib	#
69)	4-Nitrophenol	6.916	65	20671	No	Calib	#
70)	2,3,5,6-Tetrachlorophenol	6.987	232	29268	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL6.D
 Acq On : 17 Aug 2025 07:34 pm
 Operator : SV112:slr
 Sample : IL5,32,,ABNL5 Lot# 11874
 Misc : WG2104073,,ical
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 05:23:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.028	232	29986	No	Calib	
72)	Diethyl phthalate	7.193	149	113977	No	Calib	
73)	Fluorene	7.210	166	106275	No	Calib	
74)	4-Chlorophenyl phenyl ...	7.252	204	53481	No	Calib	#
75)	4-Nitroaniline	7.263	138	23164	No	Calib	
76)	4,6-Dinitro-o-cresol	7.299	198	16774	No	Calib	#
77)	NDPA/DPA	7.369	169	89522	No	Calib	
78)	Azobenzene	7.393	77	103264	No	Calib	
80)	4-Bromophenyl phenyl e...	7.704	248	36199	No	Calib	#
81)	Hexachlorobenzene	7.734	284	41148	No	Calib	#
82)	Pentachlorophenol	7.940	266	22827	No	Calib	
89)	Phenanthrene	8.104	178	166676	No	Calib	
90)	Anthracene	8.151	178	171867	No	Calib	
91)	Carbazole	8.334	167	159005	No	Calib	
92)	Di-n-butylphthalate	8.763	149	191701	No	Calib	
93)	Fluoranthene	9.228	202	210256	No	Calib	
94)	Benzidine	9.410	184	126495	No	Calib	
95)	Pyrene	9.434	202	220323	No	Calib	
97)	Butyl benzyl phthalate	10.175	149	81320	No	Calib	
105)	Benzo(a)anthracene	10.593	228	221688	No	Calib	
106)	3,3'-Dichlorobenzidine	10.622	252	85915	No	Calib	
107)	Chrysene	10.622	228	211464	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.793	149	130051	No	Calib	
109)	Di-n-octylphthalate	11.428	149	215798	No	Calib	
110)	Benzo(b)fluoranthene	11.616	252	214945	No	Calib	#
111)	Benzo(k)fluoranthene	11.645	252	228829	No	Calib	
112)	Benzo(a)pyrene	11.910	252	209521	No	Calib	#
114)	Indeno(1,2,3-cd)pyrene	12.881	276	209601	No	Calib	
115)	Dibenzo(a,h)anthracene	12.910	278	206991	No	Calib	
116)	Benzo(ghi)perylene	13.081	276	209061	No	Calib	

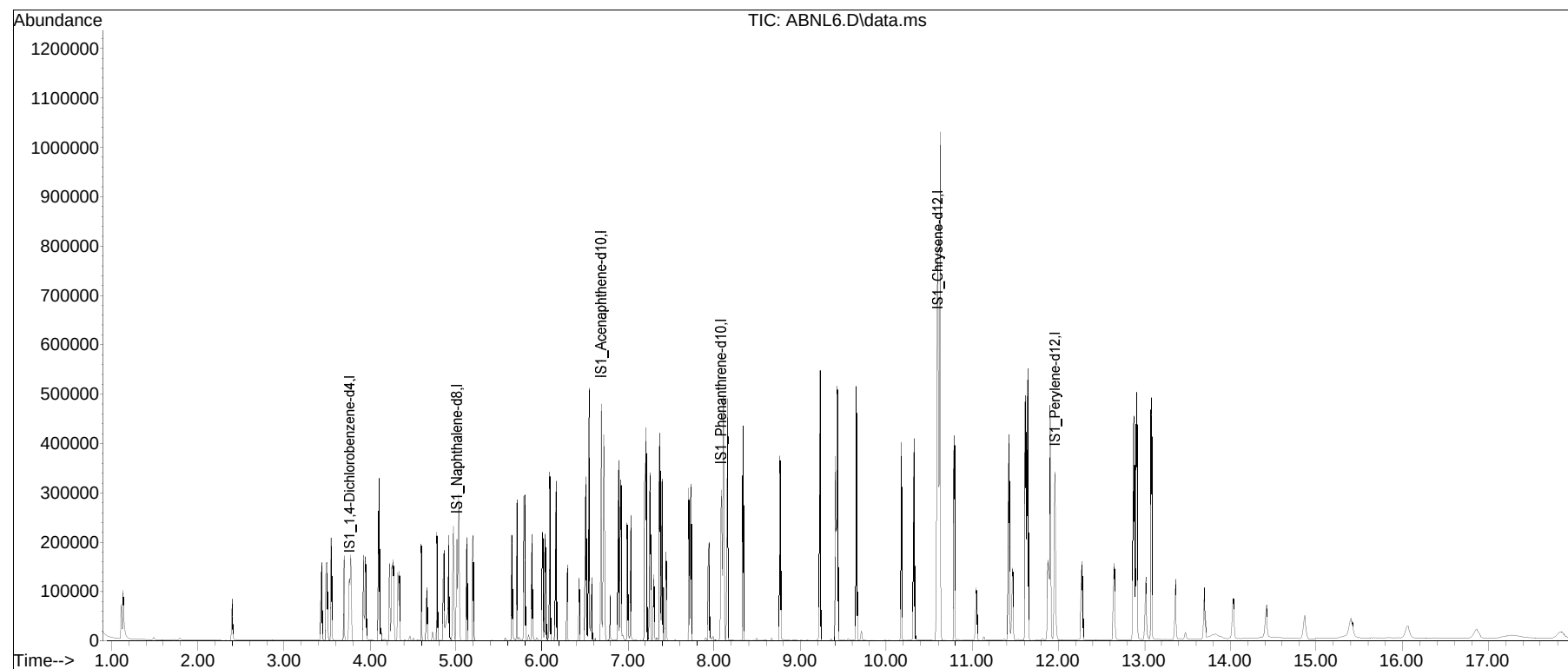
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL6.D
Acq On : 17 Aug 2025 07:34 pm
Operator : SV112:slr
Sample : IL5,32,,ABNL5 Lot# 11874
Misc : WG2104073,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 05:23:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

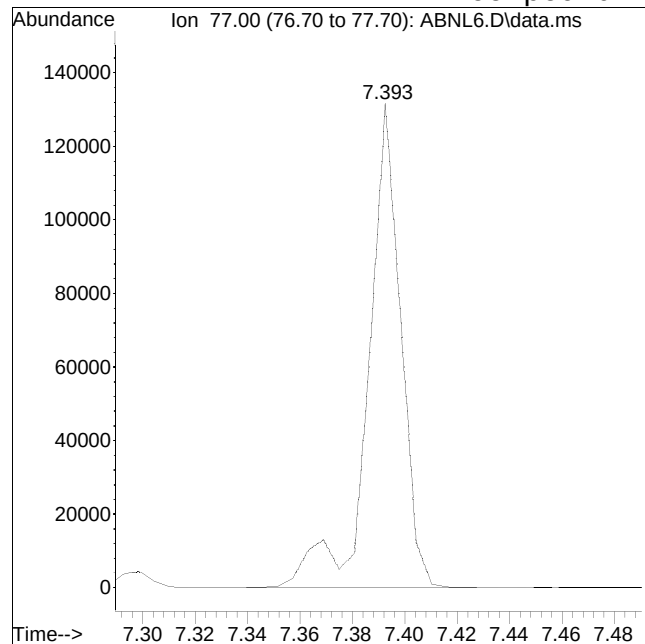
Sub List : ~~ABNL6.D~~ I:\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

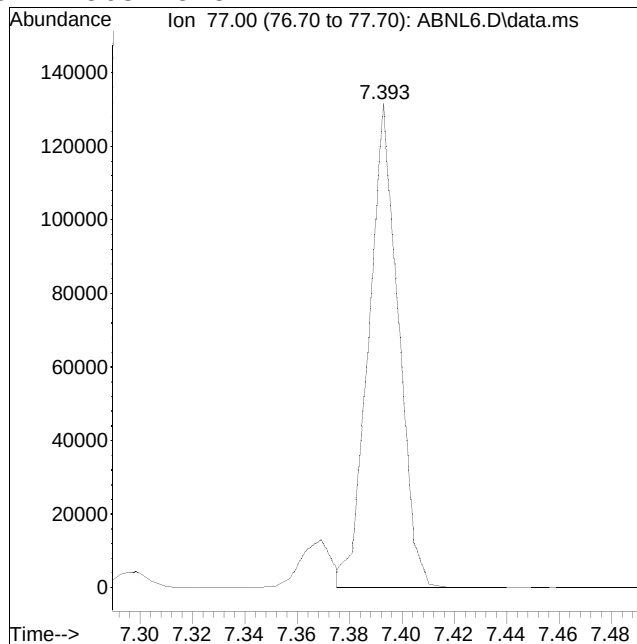
Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNL6.D
Date Inj'd : 8/17/2025 7:34 pm
Sample : IL5,32,,ABNL5 Lot# 11874
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #78: Azobenzene



Original Peak Response = 113564

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



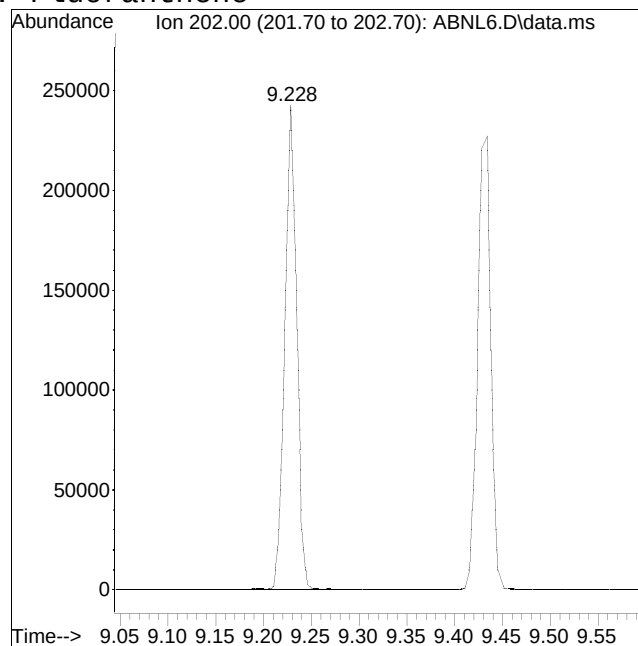
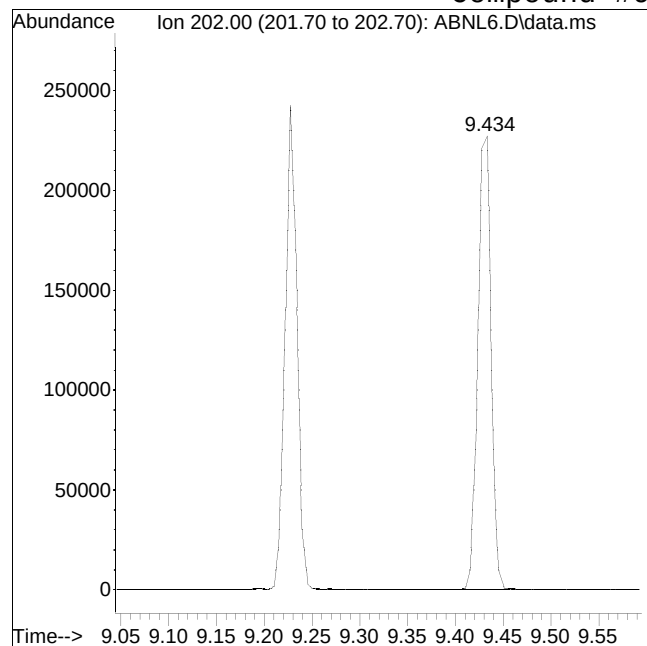
Manual Peak Response = 103264 M6

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL6.D
Date Inj'd : 8/17/2025 7:34 pm
Sample : IL5,32,,ABNL5 Lot# 11874

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #93: Fluoranthene



Original Peak Response = 220011

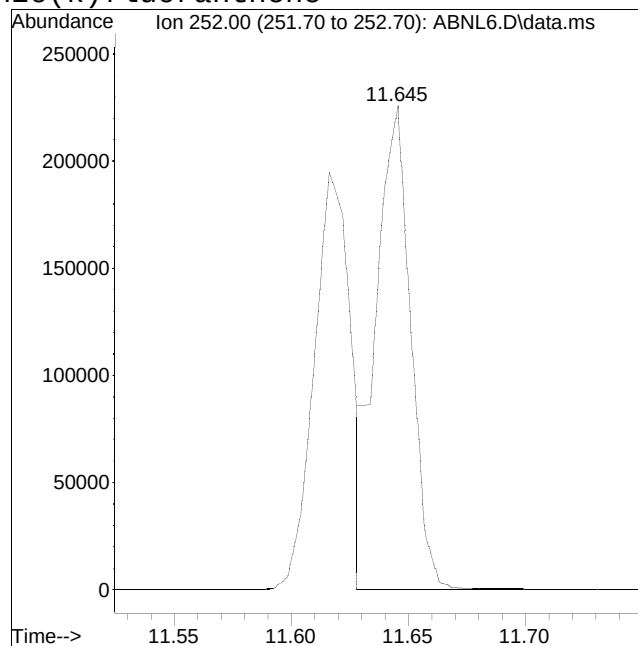
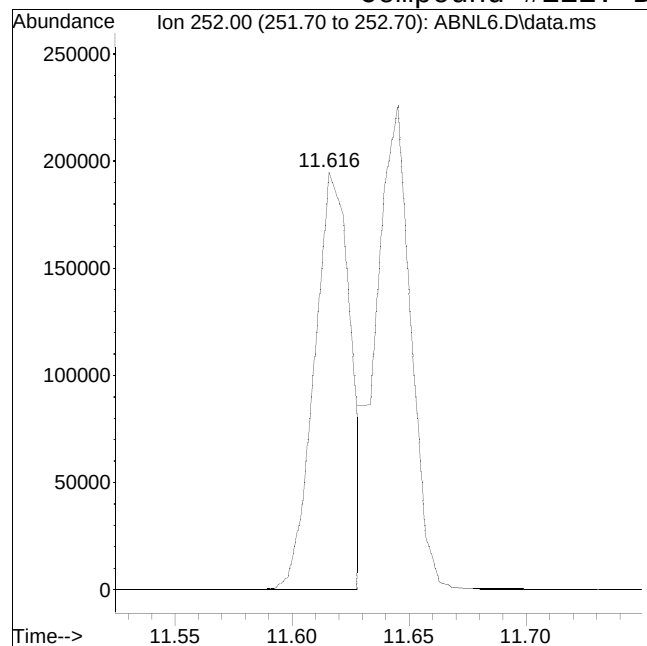
Manual Peak Response = 210256 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
 Data File : ABNL6.D
 Date Inj'd : 8/17/2025 7:34 pm
 Sample : IL5,32,,ABNL5 Lot# 11874
 Method : FS250817SV112RVT.m
 Operator : SV112:slr
 Instrument : SV112
 Quant Date : 8/18/2025 5:14 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 214945

Manual Peak Response = 228829 M3

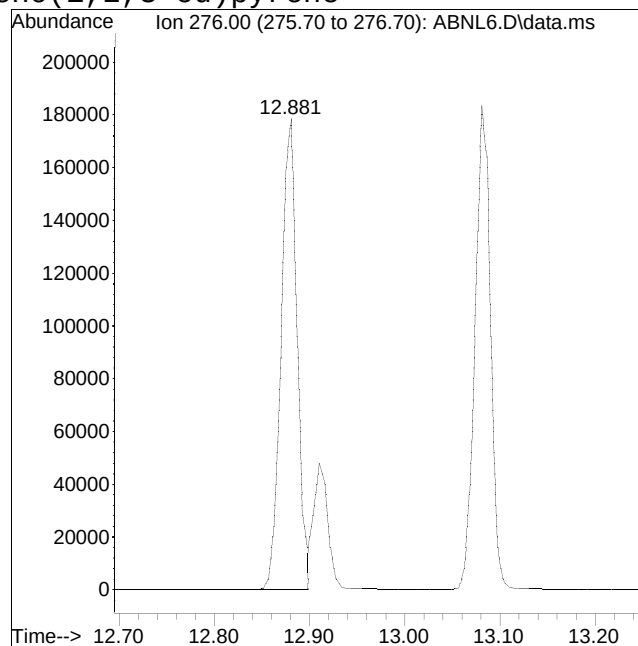
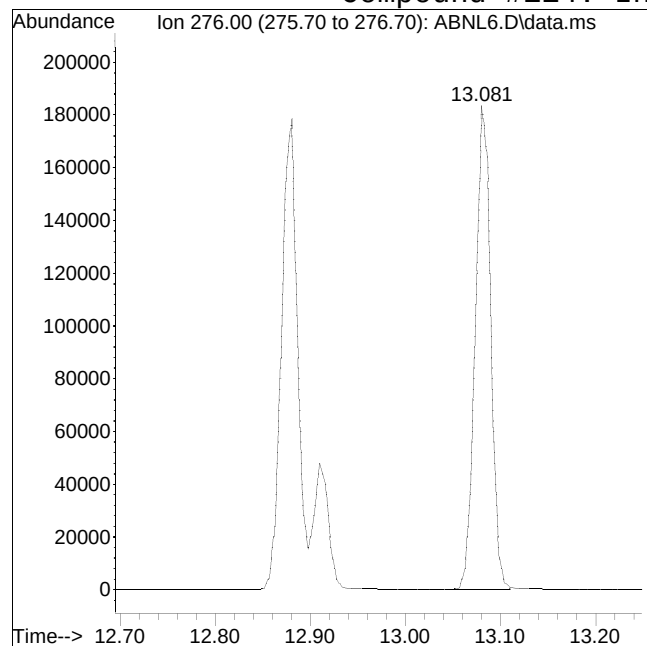
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL6.D
Date Inj'd : 8/17/2025 7:34 pm
Sample : IL5,32,,ABNL5 Lot# 11874

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 207889

Manual Peak Response = 209601 M3

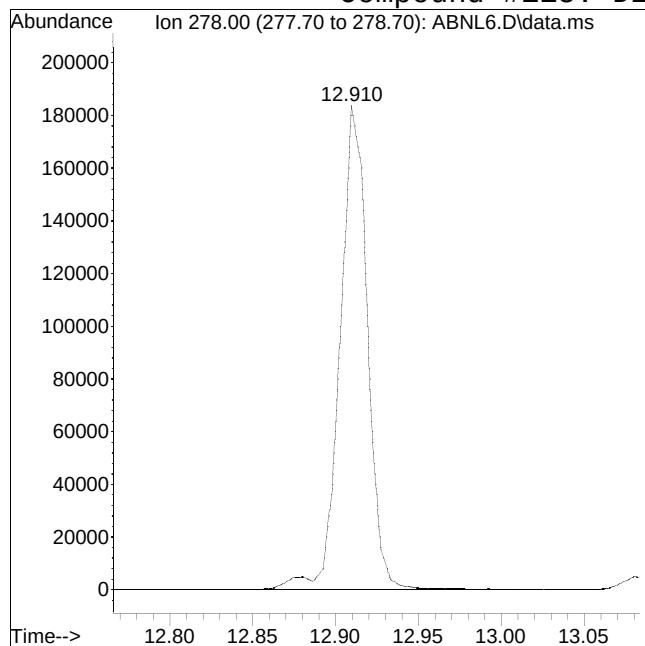
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL6.D
Date Inj'd : 8/17/2025 7:34 pm
Sample : IL5,32,,ABNL5 Lot# 11874

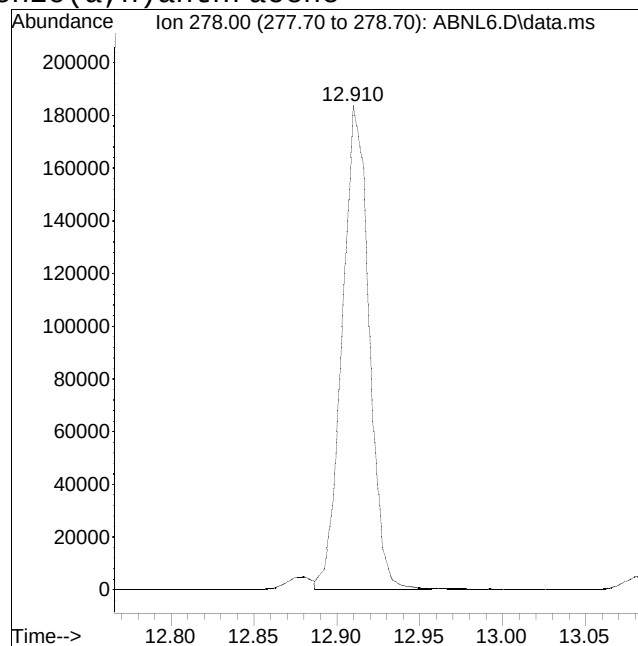
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 213236

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 206991 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL4.D
 Acq On : 17 Aug 2025 08:20 pm
 Operator : SV112:slr
 Sample : IL7,32,,ABNL1 Lot# 11876
 Misc : WG2104073,,ical
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 05:31:16 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	20275	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery =	108.35%		
35) IS1_Naphthalene-d8	5.010	136	82122	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	107.61%		
63) IS1_Acenaphthene-d10	6.687	164	54105	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	104.98%		
88) IS1_Phenanthrene-d10	8.081	188	117290	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	104.42%		
104) IS1_Chrysene-d12	10.598	240	129663	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	104.02%		
113) IS1_Perylene-d12	11.963	264	143170	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	106.03%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.399	112	4477	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.487	99	6147	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.328	82	5543	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.087	172	17063	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.440	330	2750	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.651	244	27179	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.111	74	3306	No Calib		#
3) Pyridine	1.146	79	5191	No Calib		
5) Aniline	3.440	93	8690	No Calib		
6) 2-Chlorophenol	3.552	128	5330	No Calib		
8) Phenol	3.499	94	6584	No Calib		
9) Bis(2-chloroethyl)ether	3.546	93	5542	No Calib		#
10) 1,3-Dichlorobenzene	3.699	146	6854	No Calib		
11) 1,4-Dichlorobenzene	3.775	146	7226	No Calib		
12) 1,2-Dichlorobenzene	3.928	146	6826	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL4.D
 Acq On : 17 Aug 2025 08:20 pm
 Operator : SV112:slr
 Sample : IL7,32,,ABNL1 Lot# 11876
 Misc : WG2104073,,ical
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 05:31:16 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	3.952	79	4497	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.111	45	9510	No	Calib	#
15)	2-Methylphenol	4.105	108	4776	No	Calib	
16)	Hexachloroethane	4.258	117	2644	No	Calib	#
17)	n-Nitrosodi-n-propylamine	4.228	70	4399	No	Calib	#
18)	3-Methylphenol/4-Methy...	4.269	108	5267	No	Calib	
20)	Nitrobenzene	4.346	77	5698	No	Calib	
21)	Isophorone	4.599	82	11809	No	Calib	
22)	2-Nitrophenol	4.663	139	2602	No	Calib	
23)	2,4-Dimethylphenol	4.781	107	5851	No	Calib	
24)	Bis(2-chloroethoxy)met...	4.858	93	7695	No	Calib	#
25)	2,4-Dichlorophenol	4.916	162	5015	No	Calib	
26)	1,2,4-Trichlorobenzene	4.975	180	6681	No	Calib	
36)	Naphthalene	5.028	128	18568	No	Calib	
37)	Benzoic Acid	4.869	105	1959	No	Calib	
38)	4-Chloroaniline	5.128	65	2549	No	Calib	
39)	Hexachlorobutadiene	5.199	225	4422	No	Calib	
40)	p-Chloro-m-cresol	5.652	107	5078	No	Calib	
41)	2-Methylnaphthalene	5.710	142	11892	No	Calib	
42)	1-Methylnaphthalene	5.799	115	4668	No	Calib	
43)	Hexachlorocyclopentadiene	5.881	237	4607	No	Calib	#
44)	2,4,6-Trichlorophenol	6.010	196	4170	No	Calib	
45)	2,4,5-Trichlorophenol	6.040	196	4722	No	Calib	
47)	2-Chloronaphthalene	6.163	162	14152	No	Calib	
48)	2-Nitroaniline	6.293	138	3384	No	Calib	
49)	1,4-Dinitrobenzene	6.428	168	1627	No	Calib	
50)	1,3-Dinitrobenzene	6.499	168	1824	No	Calib	
51)	Dimethyl phthalate	6.510	163	17332	No	Calib	#
52)	Acenaphthylene	6.546	152	22455	No	Calib	
53)	2,6-Dinitrotoluene	6.540	165	2763	No	Calib	#
54)	1,2-Dinitrobenzene	6.575	168	1125	No	Calib	#
64)	3-Nitroaniline	6.687	138	3129	No	Calib	#
65)	Acenaphthene	6.716	154	12686	No	Calib	
66)	2,4-Dinitrophenol	6.793	184	942	No	Calib	#
67)	Dibenzofuran	6.887	168	21998	No	Calib	
68)	2,4-Dinitrotoluene	6.916	165	3879	No	Calib	#
69)	4-Nitrophenol	6.916	65	2539	No	Calib	#
70)	2,3,5,6-Tetrachlorophenol	6.993	232	4041	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL4.D
 Acq On : 17 Aug 2025 08:20 pm
 Operator : SV112:slr
 Sample : IL7,32,,ABNL1 Lot# 11876
 Misc : WG2104073,,ical
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 05:31:16 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.028	232	3855	No	Calib	
72)	Diethyl phthalate	7.193	149	17269	No	Calib	
73)	Fluorene	7.210	166	16987	No	Calib	
74)	4-Chlorophenyl phenyl ...	7.252	204	9003	No	Calib	#
75)	4-Nitroaniline	7.257	138	3118	No	Calib	
76)	4,6-Dinitro-o-cresol	7.299	198	2028	No	Calib	#
77)	NDPA/DPA	7.369	169	14206	No	Calib	
78)	Azobenzene	7.393	77	15748	No	Calib	
80)	4-Bromophenyl phenyl e...	7.704	248	5743	No	Calib	#
81)	Hexachlorobenzene	7.728	284	6799	No	Calib	#
82)	Pentachlorophenol	7.940	266	2412	No	Calib	
89)	Phenanthrene	8.104	178	29040	No	Calib	
90)	Anthracene	8.151	178	28182	No	Calib	
91)	Carbazole	8.334	167	25022	No	Calib	
92)	Di-n-butylphthalate	8.763	149	28459	No	Calib	
93)	Fluoranthene	9.228	202	33883	No	Calib	
94)	Benzidine	9.410	184	15796	No	Calib	#
95)	Pyrene	9.428	202	35417	No	Calib	
97)	Butyl benzyl phthalate	10.175	149	11429	No	Calib	
105)	Benzo(a)anthracene	10.587	228	36263	No	Calib	
106)	3,3'-Dichlorobenzidine	10.622	252	12255	No	Calib	
107)	Chrysene	10.622	228	35546	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.793	149	17918	No	Calib	#
109)	Di-n-octylphthalate	11.428	149	28377	No	Calib	#
110)	Benzo(b)fluoranthene	11.616	252	36225	No	Calib	#
111)	Benzo(k)fluoranthene	11.640	252	35707	No	Calib	
112)	Benzo(a)pyrene	11.904	252	33447	No	Calib	#
114)	Indeno(1,2,3-cd)pyrene	12.875	276	31687	No	Calib	
115)	Dibenzo(a,h)anthracene	12.910	278	32687	No	Calib	
116)	Benzo(ghi)perylene	13.081	276	33609	No	Calib	

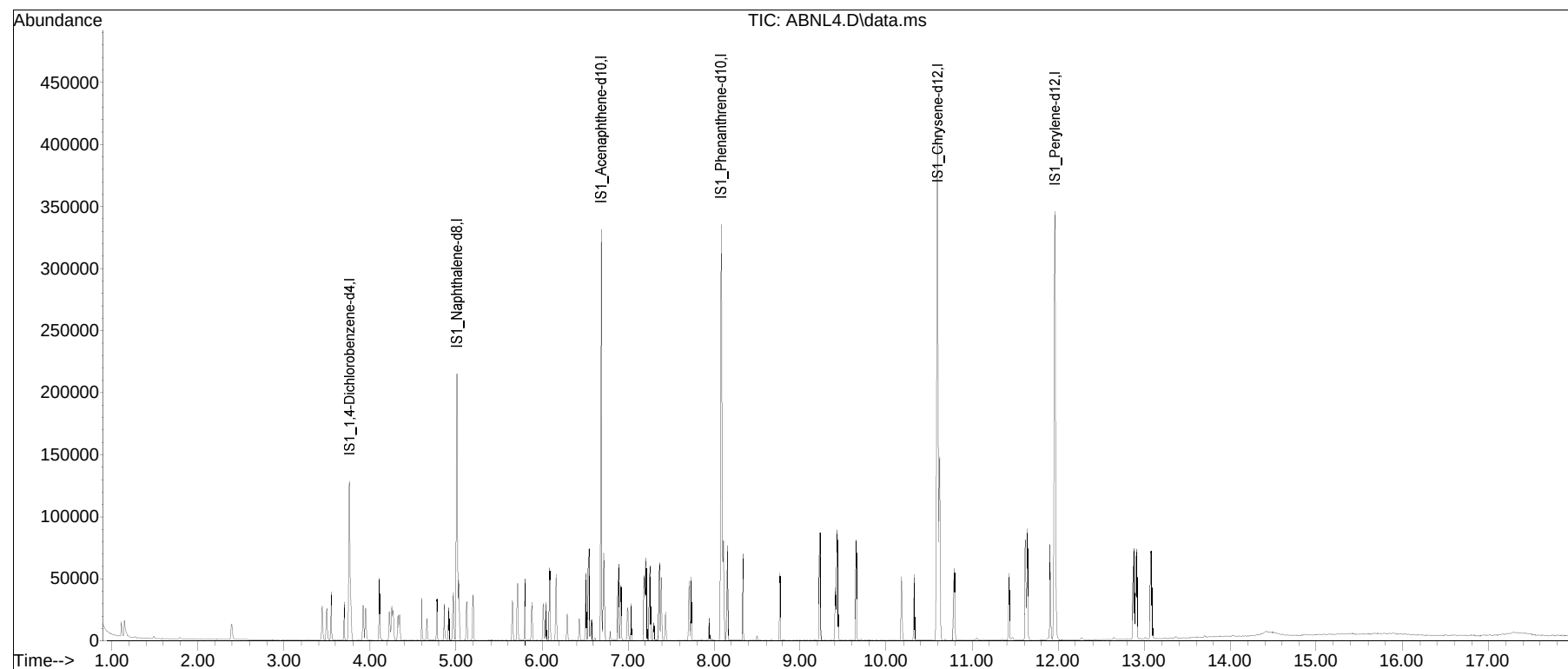
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL4.D
Acq On : 17 Aug 2025 08:20 pm
Operator : SV112:slr
Sample : IL7,32,,ABNL1 Lot# 11876
Misc : WG2104073,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 05:31:16 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

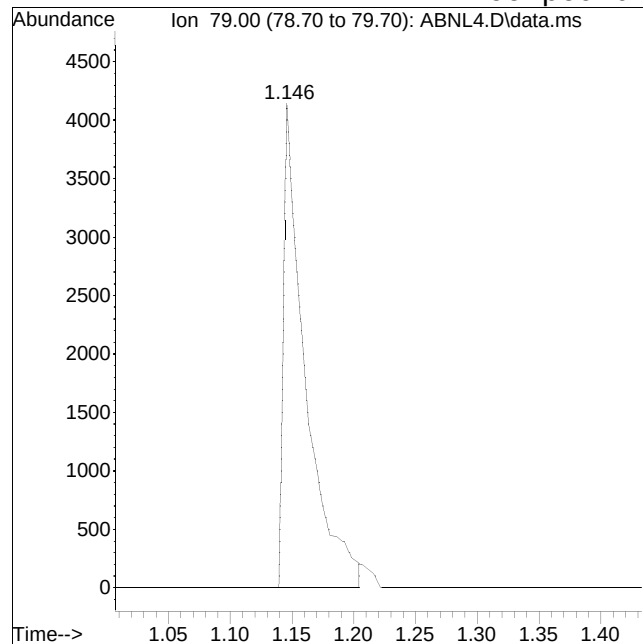
Sub List : ~~ABNL4\8270\SV112\250817RVTical\AP9L6.D~~



Manual Integration Report

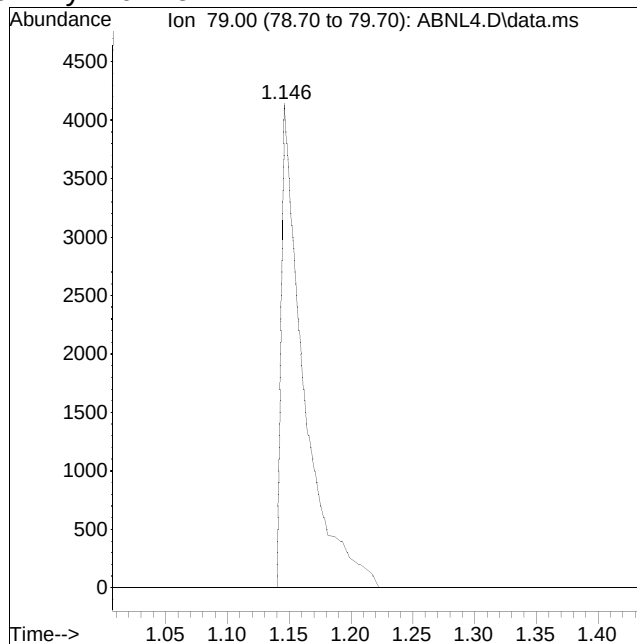
Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNL4.D
Date Inj'd : 8/17/2025 8:20 pm
Sample : IL7,32,,ABNL1 Lot# 11876
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #3: Pyridine



Original Peak Response = 5088

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



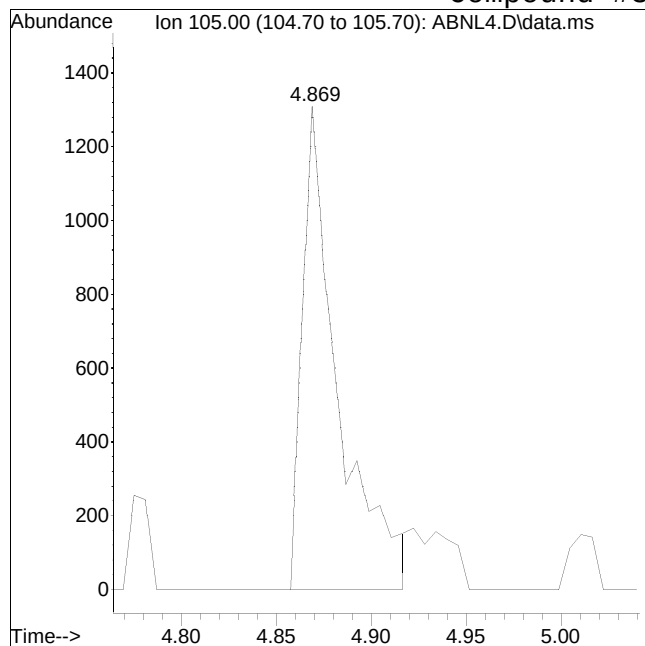
Manual Peak Response = 5191 M1

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL4.D
Date Inj'd : 8/17/2025 8:20 pm
Sample : IL7,32,,ABNL1 Lot# 11876

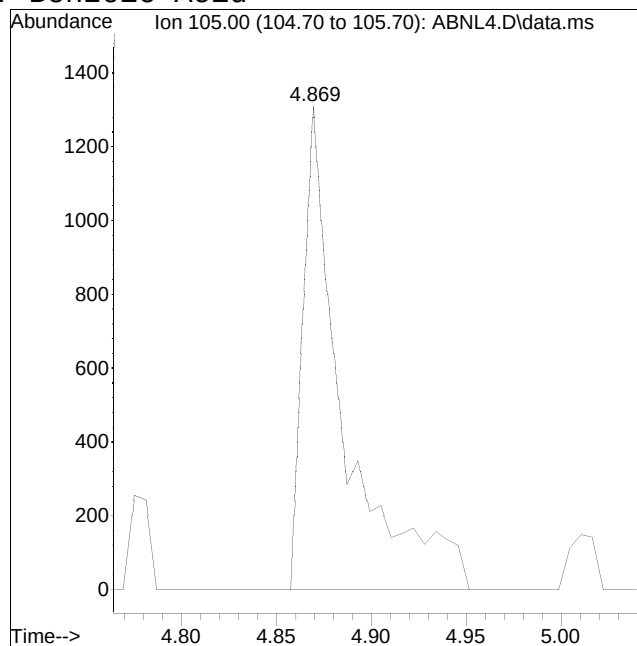
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #37: Benzoic Acid



Original Peak Response = 1713

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



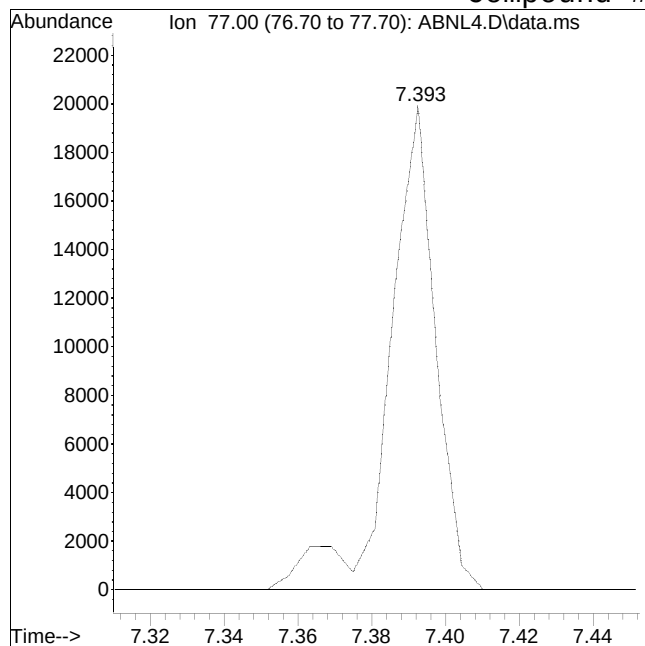
Manual Peak Response = 1959 M1

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL4.D
Date Inj'd : 8/17/2025 8:20 pm
Sample : IL7,32,,ABNL1 Lot# 11876

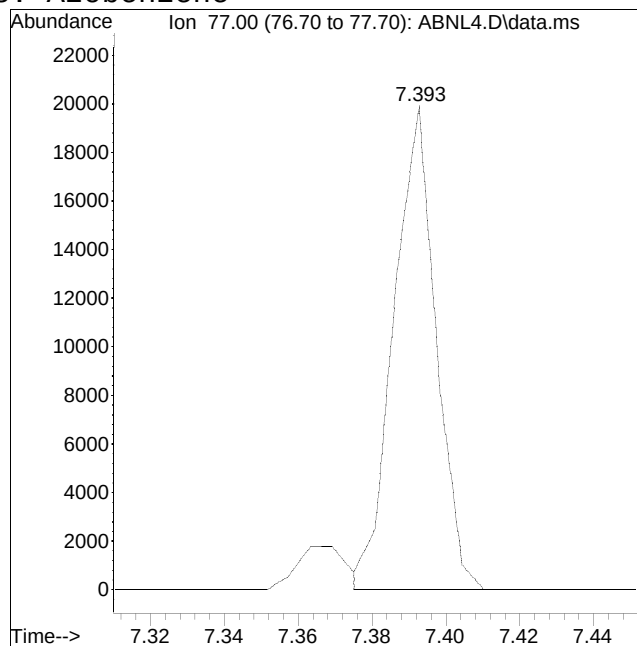
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #78: Azobenzene



Original Peak Response = 17459

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



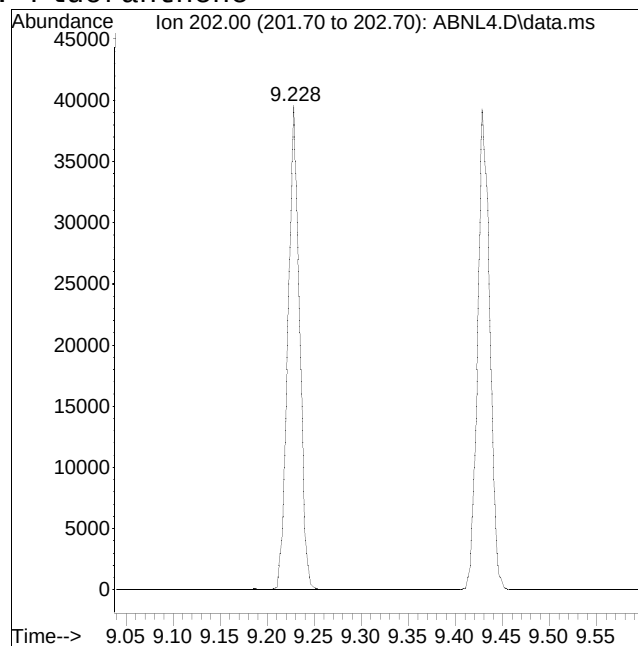
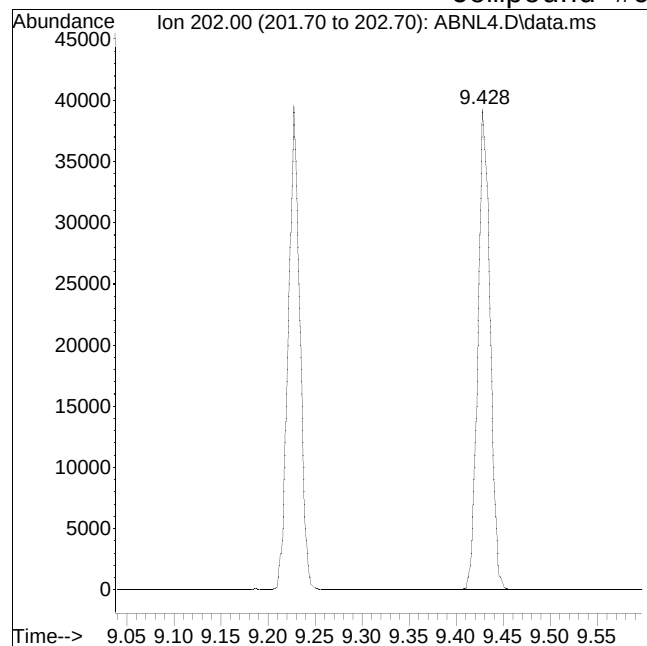
Manual Peak Response = 15748 M6

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL4.D
Date Inj'd : 8/17/2025 8:20 pm
Sample : IL7,32,,ABNL1 Lot# 11876

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #93: Fluoranthene



Original Peak Response = 35416

Manual Peak Response = 33883 M3

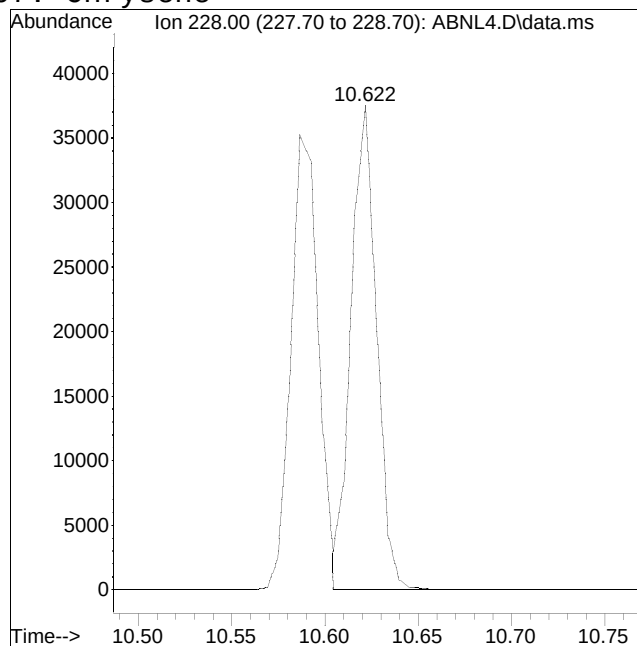
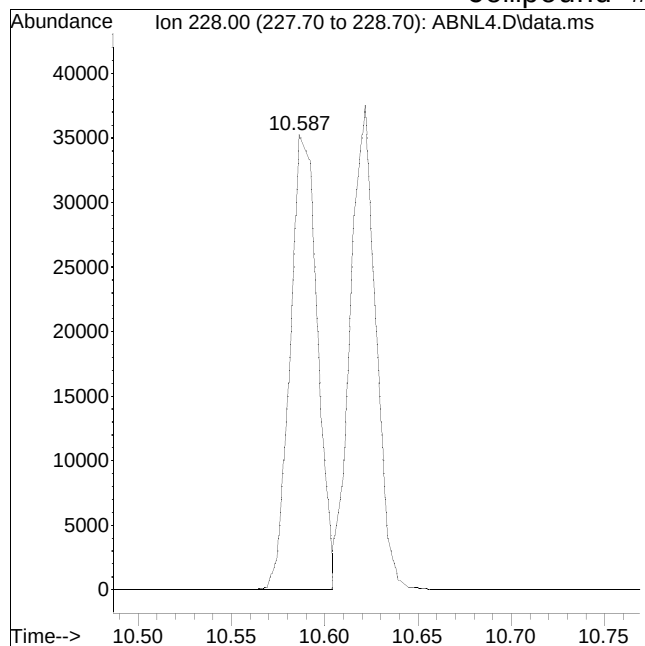
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL4.D
Date Inj'd : 8/17/2025 8:20 pm
Sample : IL7,32,,ABNL1 Lot# 11876

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #107: Chrysene



Original Peak Response = 36263

Manual Peak Response = 35546 M3

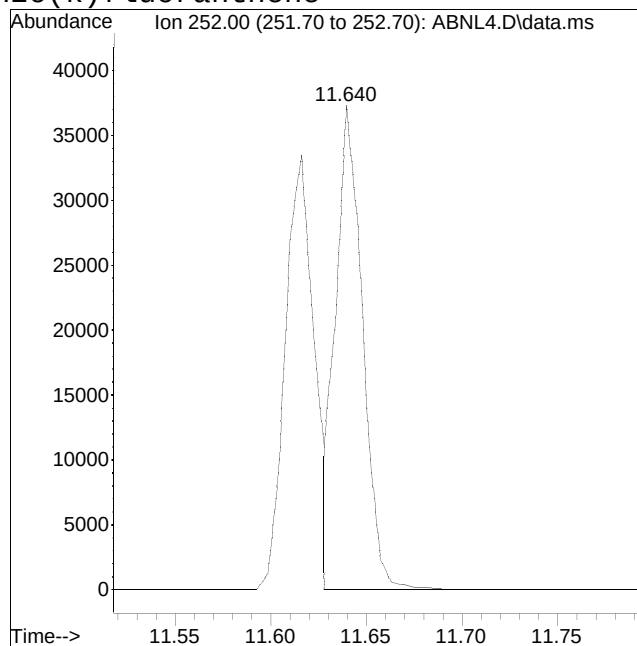
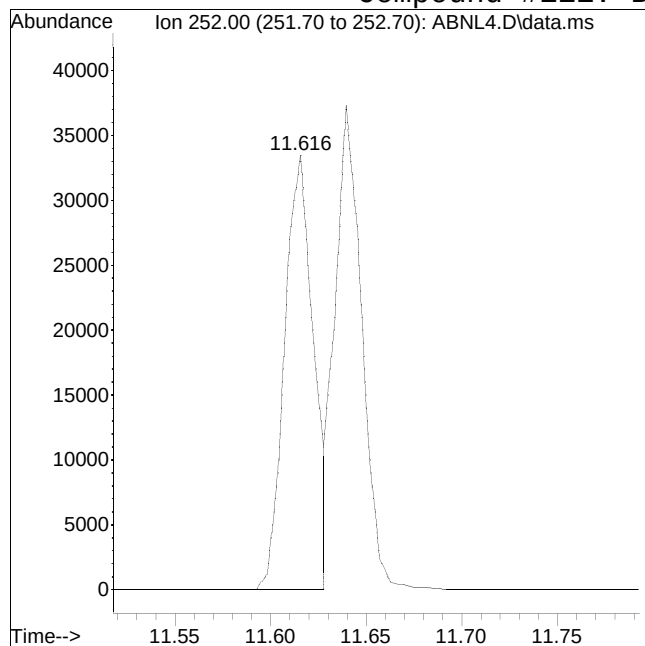
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL4.D
Date Inj'd : 8/17/2025 8:20 pm
Sample : IL7,32,,ABNL1 Lot# 11876

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 36225

Manual Peak Response = 35707 M3

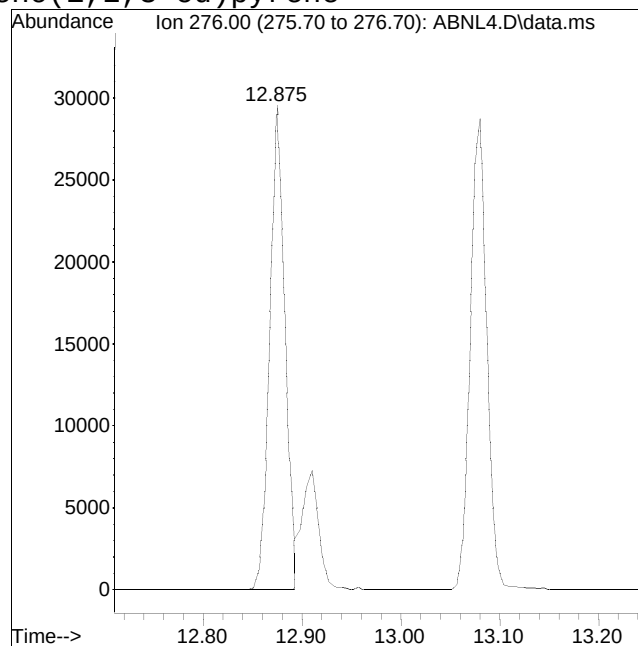
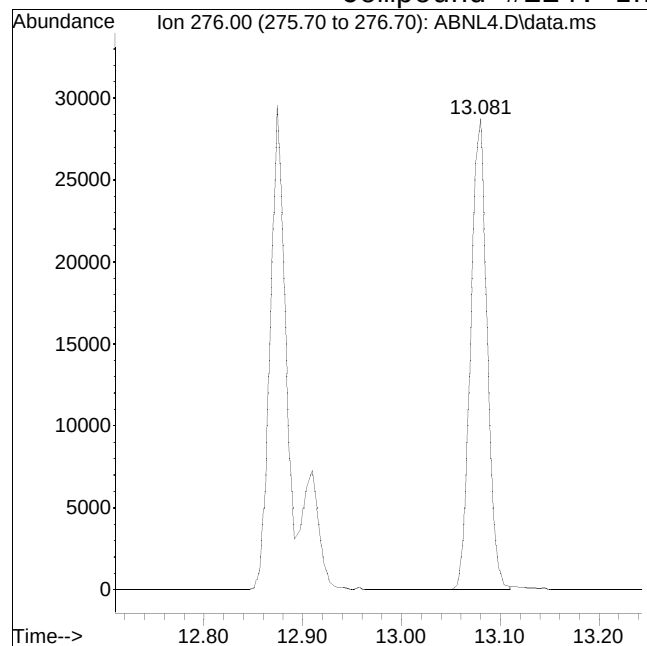
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL4.D
Date Inj'd : 8/17/2025 8:20 pm
Sample : IL7,32,,ABNL1 Lot# 11876

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 33309

Manual Peak Response = 31687 M3

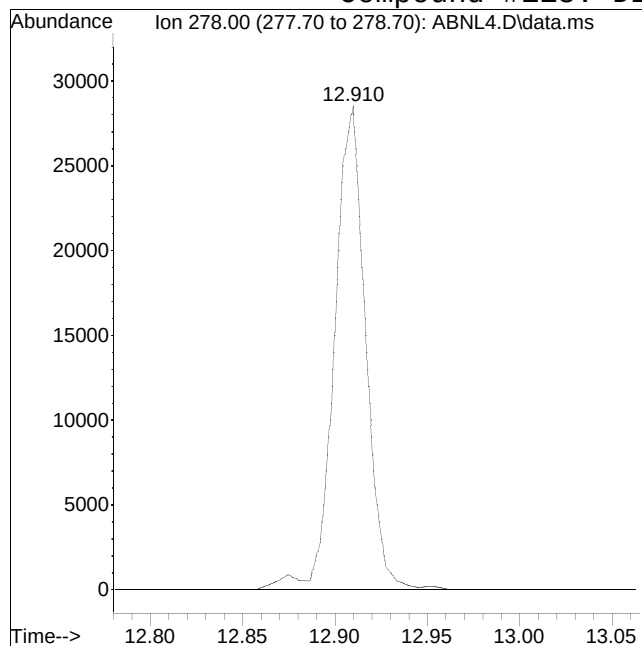
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL4.D
Date Inj'd : 8/17/2025 8:20 pm
Sample : IL7,32,,ABNL1 Lot# 11876

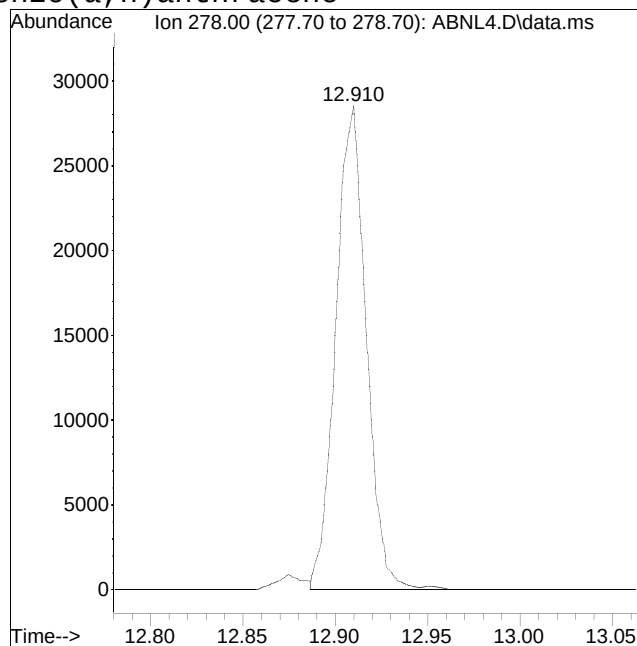
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 33661

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 32687 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL3.D
 Acq On : 17 Aug 2025 08:42 pm
 Operator : SV112:slr
 Sample : IL8,32,,ABNL0.5 Lot# 11877
 Misc : WG2104073,,ical
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 05:30:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	17806	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery =	95.15%		
35) IS1_Naphthalene-d8	5.010	136	72072	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	94.45%		
63) IS1_Acenaphthene-d10	6.687	164	47808	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	92.76%		
88) IS1_Phenanthrene-d10	8.081	188	110499	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	98.37%		
104) IS1_Chrysene-d12	10.598	240	126496	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	101.48%		
113) IS1_Perylene-d12	11.963	264	137530	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	101.86%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.399	112	2137	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.487	99	2812	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.328	82	2402	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.087	172	7634	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.440	330	1191	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.651	244	13493	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.111	74	1448	No Calib	#	Qvalue
3) Pyridine	1.152	79	2496	No Calib		
5) Aniline	3.440	93	3571	No Calib		
6) 2-Chlorophenol	3.552	128	2478	No Calib		
8) Phenol	3.505	94	3072	No Calib		
9) Bis(2-chloroethyl)ether	3.552	93	2479	No Calib	#	
10) 1,3-Dichlorobenzene	3.699	146	3265	No Calib		
11) 1,4-Dichlorobenzene	3.775	146	3279	No Calib		
12) 1,2-Dichlorobenzene	3.922	146	2896	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL3.D
 Acq On : 17 Aug 2025 08:42 pm
 Operator : SV112:slr
 Sample : IL8,32,,ABNL0.5 Lot# 11877
 Misc : WG2104073,,ical
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 05:30:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	3.952	79	2020	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.110	45	4204	No	Calib	#
15)	2-Methylphenol	4.105	108	2147	No	Calib	
16)	Hexachloroethane	4.252	117	1249	No	Calib	#
17)	n-Nitrosodi-n-propylamine	4.234	70	1850	No	Calib	#
18)	3-Methylphenol/4-Methy...	4.275	108	2376	No	Calib	#
20)	Nitrobenzene	4.346	77	2790	No	Calib	#
21)	Isophorone	4.599	82	5191	No	Calib	#
22)	2-Nitrophenol	4.663	139	1025	No	Calib	#
23)	2,4-Dimethylphenol	4.781	107	2649	No	Calib	
24)	Bis(2-chloroethoxy)met...	4.857	93	3323	No	Calib	#
25)	2,4-Dichlorophenol	4.916	162	2351	No	Calib	
26)	1,2,4-Trichlorobenzene	4.975	180	3015	No	Calib	
36)	Naphthalene	5.028	128	8956	No	Calib	
37)	Benzoic Acid	4.887	105	395	No	Calib	
38)	4-Chloroaniline	5.128	65	1089	No	Calib	
39)	Hexachlorobutadiene	5.199	225	2037	No	Calib	
40)	p-Chloro-m-cresol	5.652	107	2435	No	Calib	
41)	2-Methylnaphthalene	5.710	142	5553	No	Calib	
42)	1-Methylnaphthalene	5.799	115	1960	No	Calib	
43)	Hexachlorocyclopentadiene	5.881	237	1837	No	Calib	#
44)	2,4,6-Trichlorophenol	6.010	196	1750	No	Calib	
45)	2,4,5-Trichlorophenol	6.040	196	1995	No	Calib	
47)	2-Chloronaphthalene	6.163	162	6449	No	Calib	
48)	2-Nitroaniline	6.293	138	1421	No	Calib	
49)	1,4-Dinitrobenzene	6.428	168	624	No	Calib	
50)	1,3-Dinitrobenzene	6.504	168	831	No	Calib	
51)	Dimethyl phthalate	6.510	163	8038	No	Calib	#
52)	Acenaphthylene	6.546	152	10460	No	Calib	
53)	2,6-Dinitrotoluene	6.540	165	1296	No	Calib	#
54)	1,2-Dinitrobenzene	6.575	168	476	No	Calib	
64)	3-Nitroaniline	6.687	138	1331	No	Calib	#
65)	Acenaphthene	6.716	154	6289	No	Calib	
66)	2,4-Dinitrophenol	6.799	184	207	No	Calib	
67)	Dibenzofuran	6.887	168	10132	No	Calib	
68)	2,4-Dinitrotoluene	6.916	165	1741	No	Calib	#
69)	4-Nitrophenol	6.916	65	1006	No	Calib	#
70)	2,3,5,6-Tetrachlorophenol	6.993	232	1617	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL3.D
 Acq On : 17 Aug 2025 08:42 pm
 Operator : SV112:slr
 Sample : IL8,32,,ABNL0.5 Lot# 11877
 Misc : WG2104073,,ical
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 05:30:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.034	232	1622	No	Calib	
72)	Diethyl phthalate	7.193	149	7887	No	Calib	
73)	Fluorene	7.210	166	8166	No	Calib	
74)	4-Chlorophenyl phenyl ...	7.251	204	4170	No	Calib	#
75)	4-Nitroaniline	7.257	138	1315	No	Calib	#
76)	4,6-Dinitro-o-cresol	7.298	198	847	No	Calib	#
77)	NDPA/DPA	7.369	169	6743	No	Calib	
78)	Azobenzene	7.393	77	7271	No	Calib	
80)	4-Bromophenyl phenyl e...	7.704	248	2731	No	Calib	#
81)	Hexachlorobenzene	7.734	284	3252	No	Calib	#
82)	Pentachlorophenol	7.940	266	932	No	Calib	
89)	Phenanthrene	8.104	178	14135	No	Calib	
90)	Anthracene	8.151	178	13527	No	Calib	
91)	Carbazole	8.334	167	12043	No	Calib	
92)	Di-n-butylphthalate	8.763	149	13393	No	Calib	
93)	Fluoranthene	9.228	202	16801	No	Calib	
94)	Benzidine	9.410	184	6450	No	Calib	#
95)	Pyrene	9.428	202	17633	No	Calib	
97)	Butyl benzyl phthalate	10.175	149	5352	No	Calib	
105)	Benzo(a)anthracene	10.587	228	18145	No	Calib	
106)	3,3'-Dichlorobenzidine	10.622	252	5945	No	Calib	
107)	Chrysene	10.622	228	18466	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.792	149	8425	No	Calib	#
109)	Di-n-octylphthalate	11.428	149	13144	No	Calib	#
110)	Benzo(b)fluoranthene	11.616	252	17217	No	Calib	#
111)	Benzo(k)fluoranthene	11.645	252	18020	No	Calib	
112)	Benzo(a)pyrene	11.904	252	15732	No	Calib	#
114)	Indeno(1,2,3-cd)pyrene	12.881	276	15444	No	Calib	#
115)	Dibenzo(a,h)anthracene	12.910	278	15744	No	Calib	
116)	Benzo(ghi)perylene	13.081	276	16323	No	Calib	#

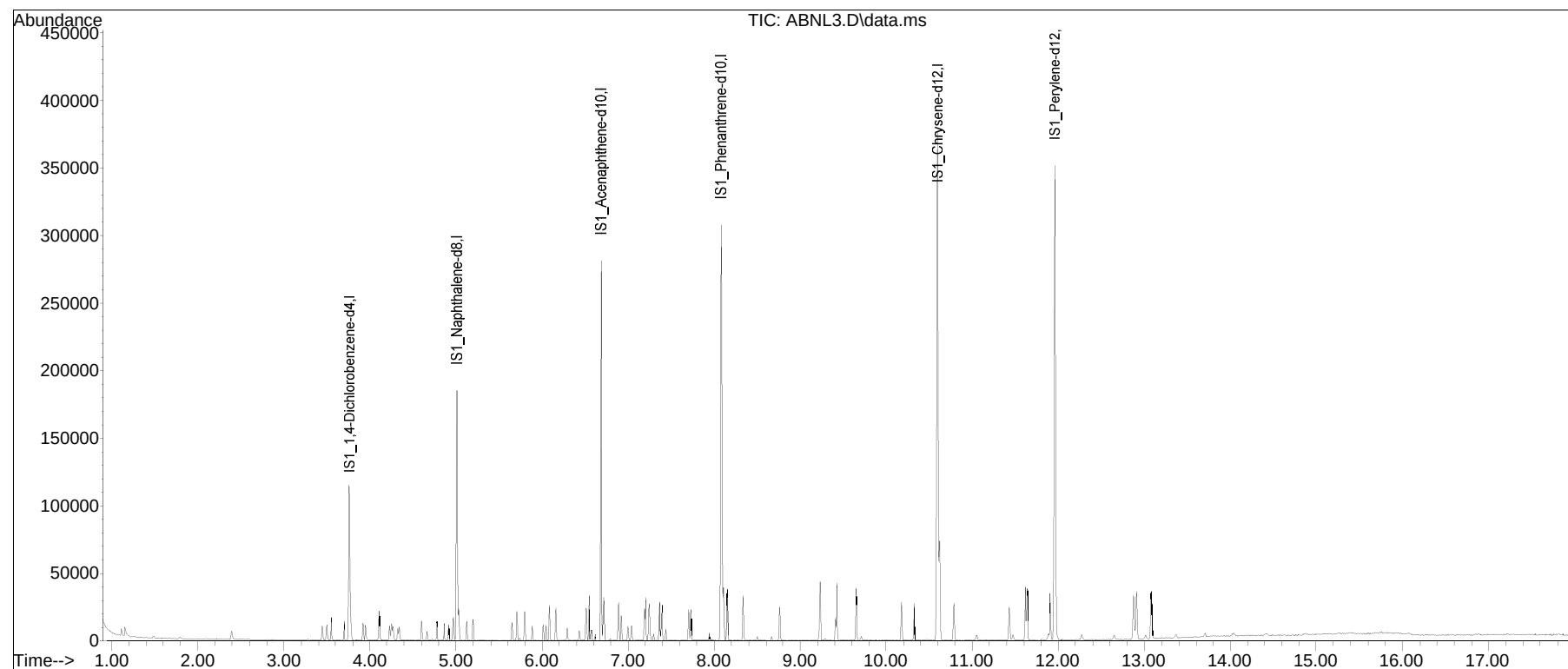
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL3.D
Acq On : 17 Aug 2025 08:42 pm
Operator : SV112:slr
Sample : IL8,32,,ABNL0.5 Lot# 11877
Misc : WG2104073,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 05:30:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

Sub List : ~~ABNL3.D~~ I:\8270\SV112\250817RVTical\AP9L6.D•

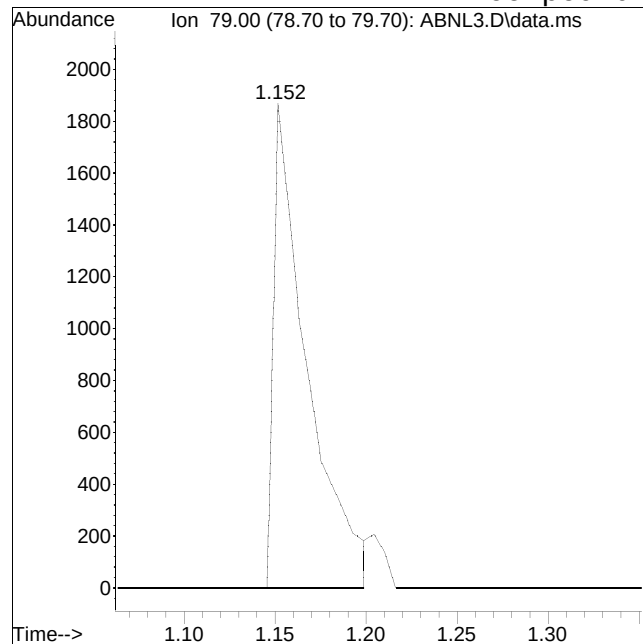


Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNL3.D
Date Inj'd : 8/17/2025 8:42 pm
Sample : IL8, 32, ABNL0.5 Lot# 11877

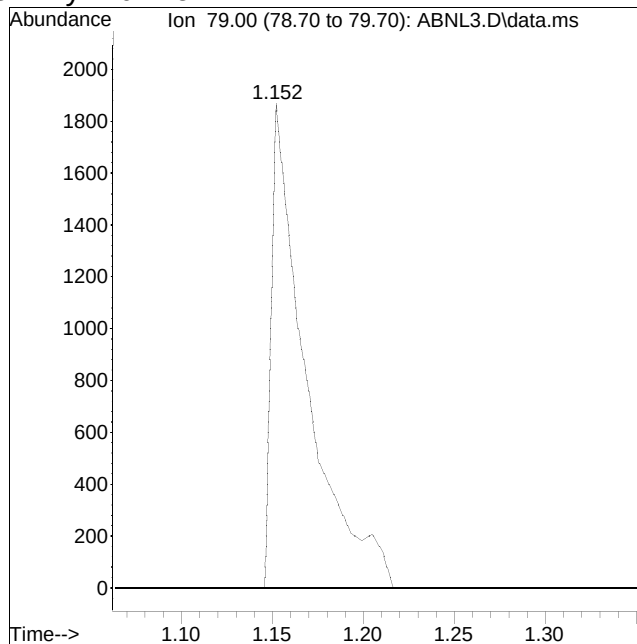
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #3: Pyridine



Original Peak Response = 2375

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



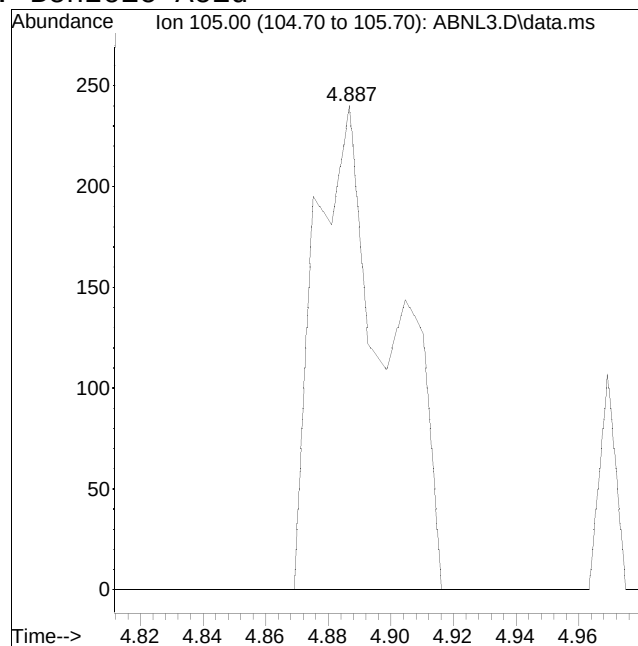
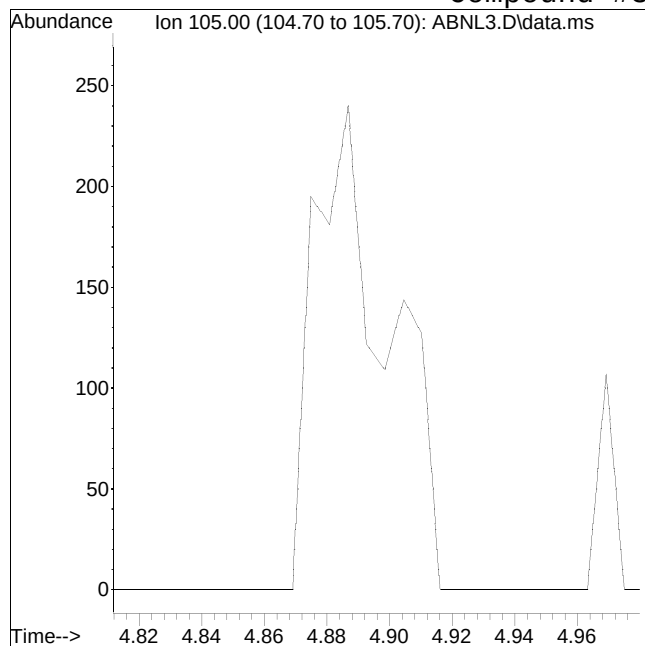
Manual Peak Response = 2496 M1

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL3.D
Date Inj'd : 8/17/2025 8:42 pm
Sample : IL8,32,,ABNL0.5 Lot# 11877

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #37: Benzoic Acid



Original Peak Response = 0

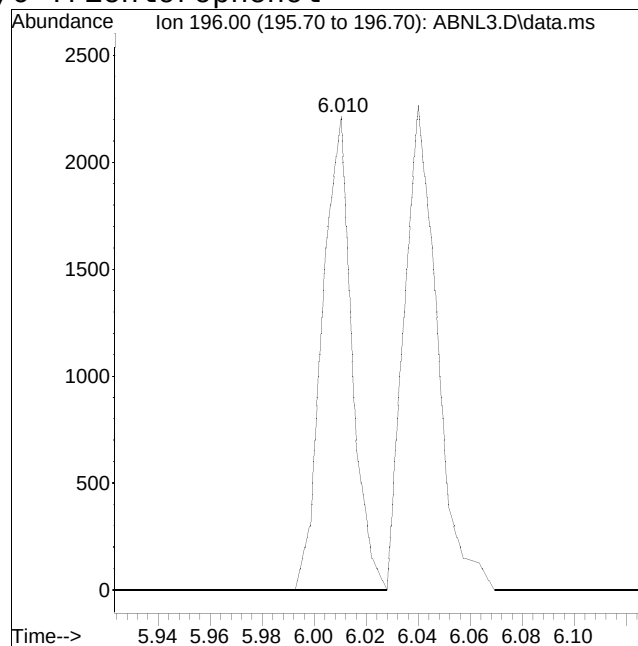
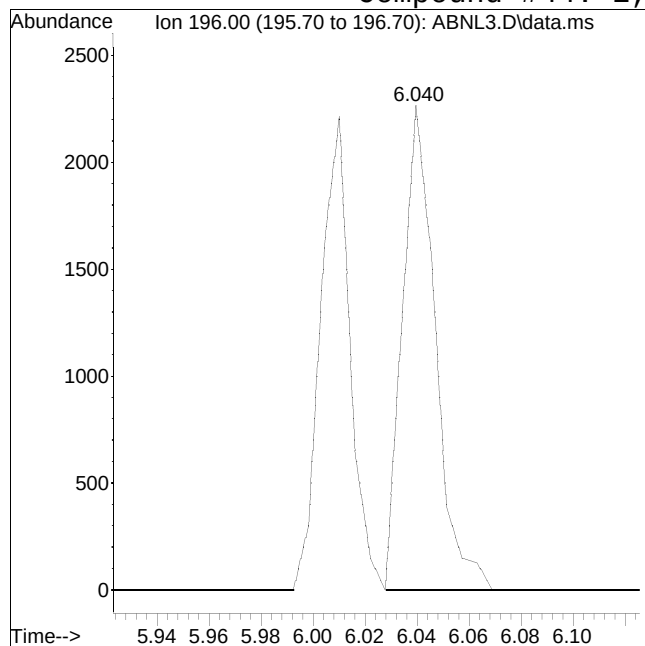
Manual Peak Response = 395 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data\Method : FS250817SV112RVT.m
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877 Quant Date : 8/18/2025 5:13 am

Compound #44: 2,4,6-Trichlorophenol



Original Peak Response = 1995

Manual Peak Response = 1750 M3

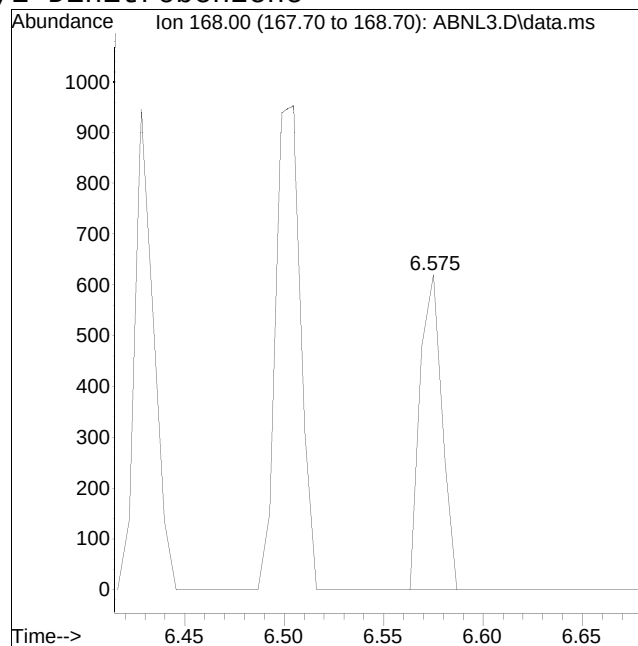
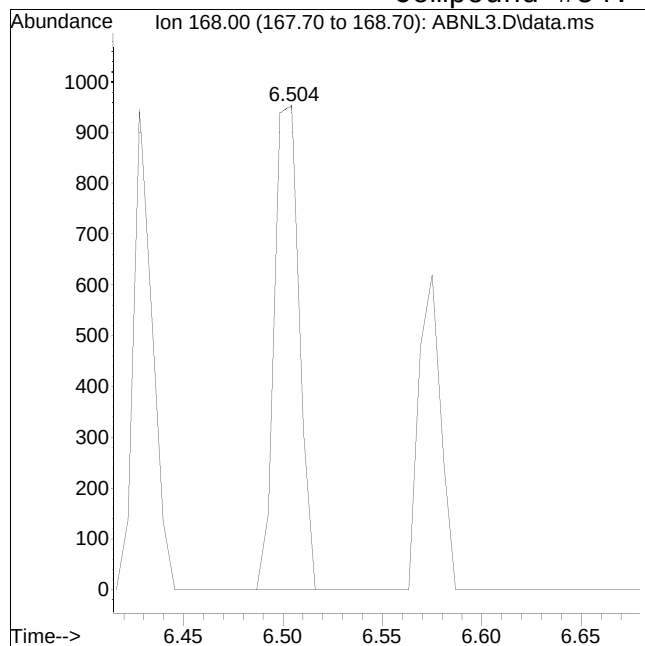
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL3.D
Date Inj'd : 8/17/2025 8:42 pm
Sample : IL8,32,,ABNL0.5 Lot# 11877

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 831

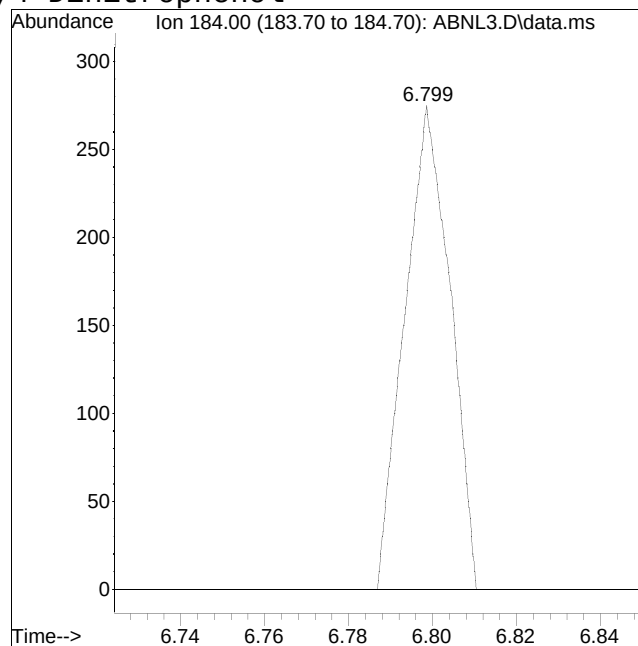
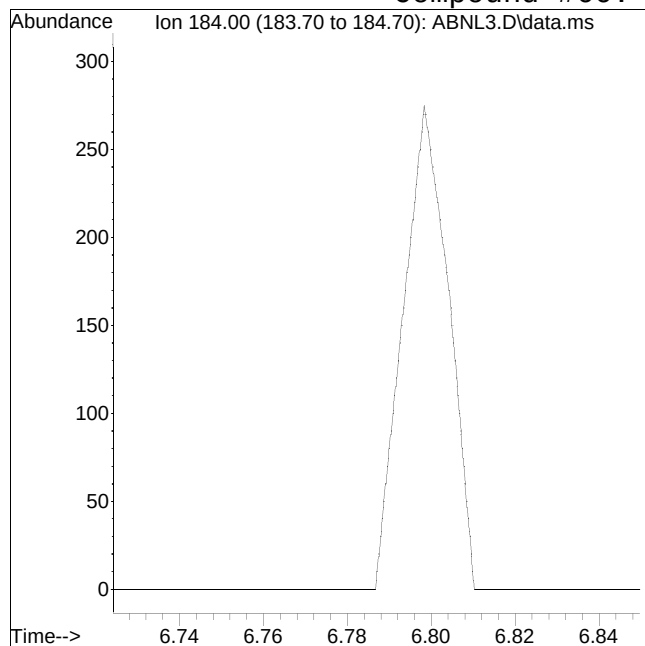
Manual Peak Response = 476 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL3.D
Date Inj'd : 8/17/2025 8:42 pm
Sample : IL8,32,,ABNL0.5 Lot# 11877
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0

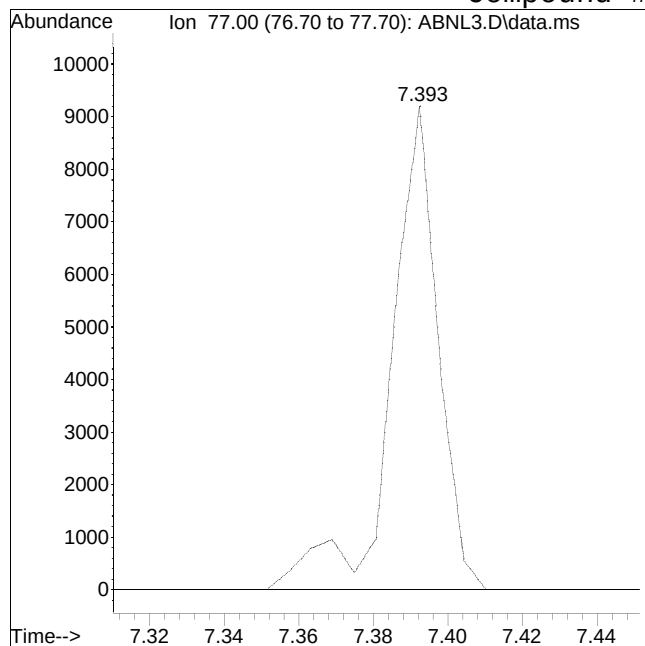
Manual Peak Response = 207 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

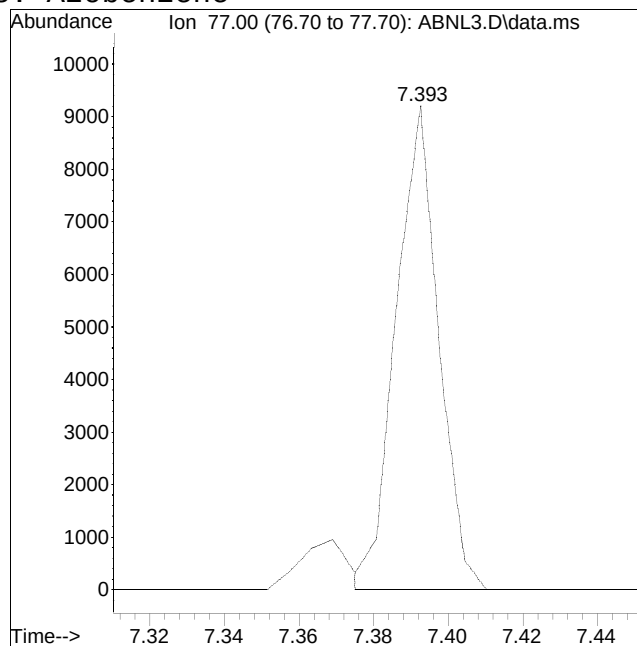
Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL3.D
Date Inj'd : 8/17/2025 8:42 pm
Sample : IL8,32,,ABNL0.5 Lot# 11877
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #78: Azobenzene



Original Peak Response = 8115

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

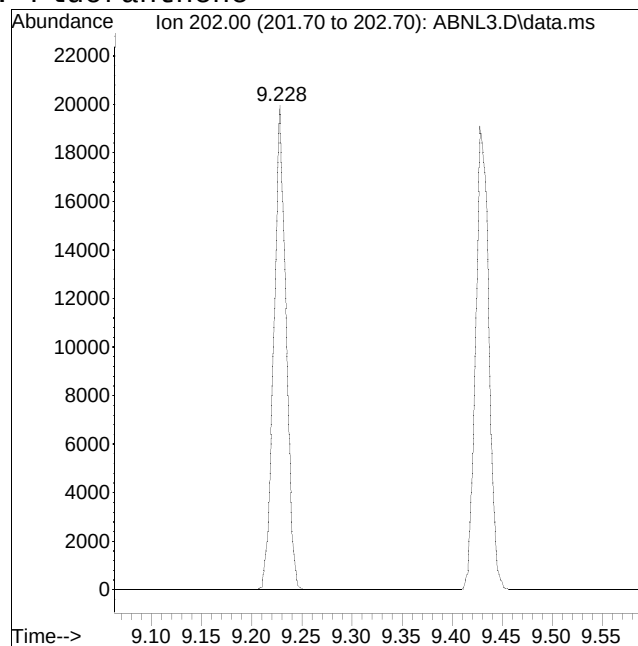
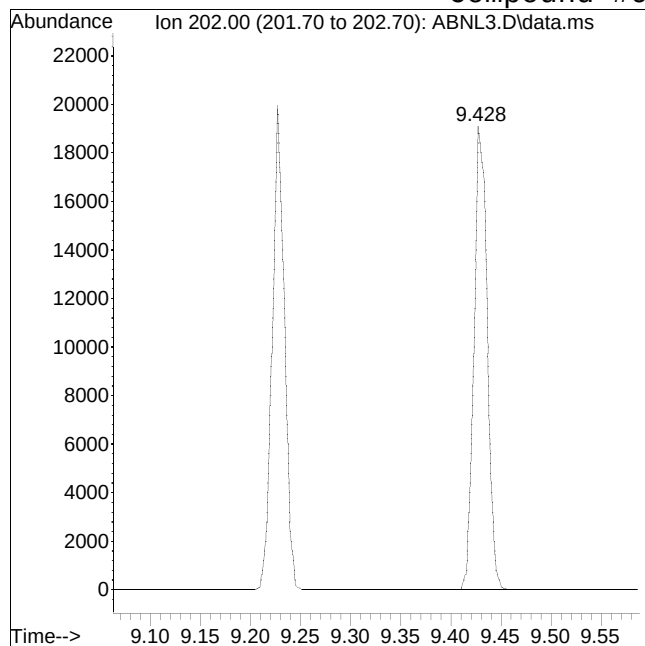


Manual Peak Response = 7271 M6

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL3.D
Date Inj'd : 8/17/2025 8:42 pm
Sample : IL8,32,,ABNL0.5 Lot# 11877
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #93: Fluoranthene



Original Peak Response = 17633

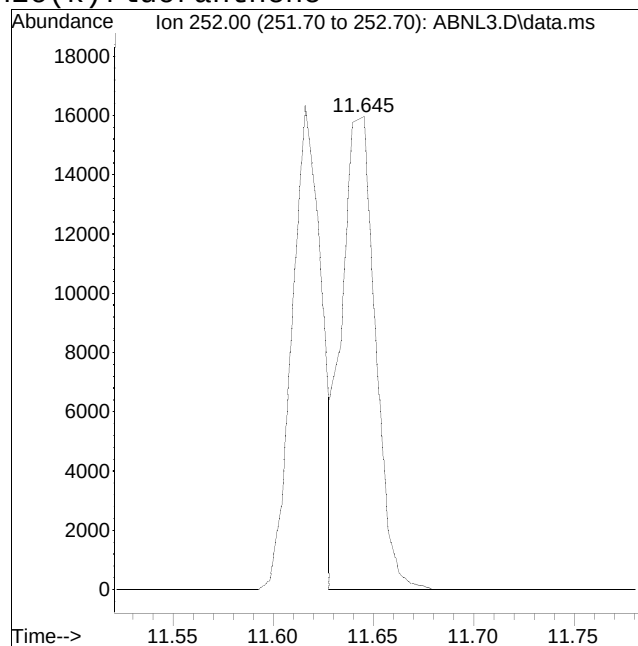
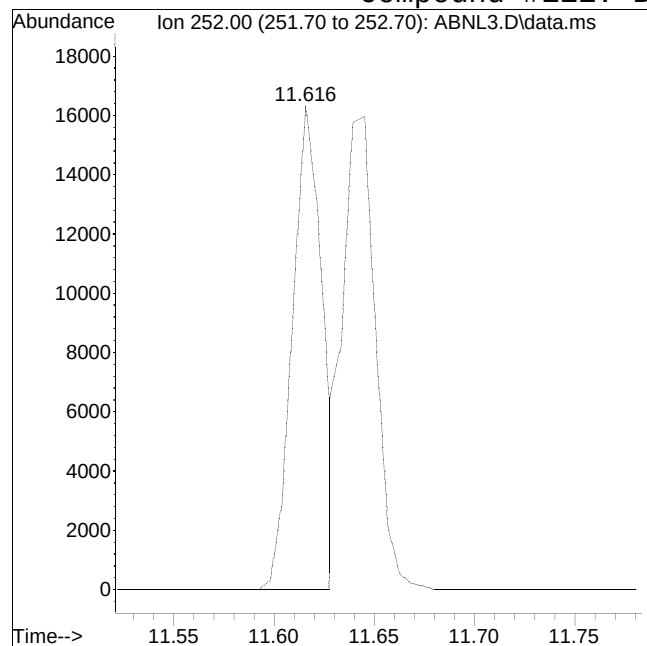
Manual Peak Response = 16801 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL3.D
Date Inj'd : 8/17/2025 8:42 pm
Sample : IL8,32,,ABNL0.5 Lot# 11877
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 17217

Manual Peak Response = 18020 M3

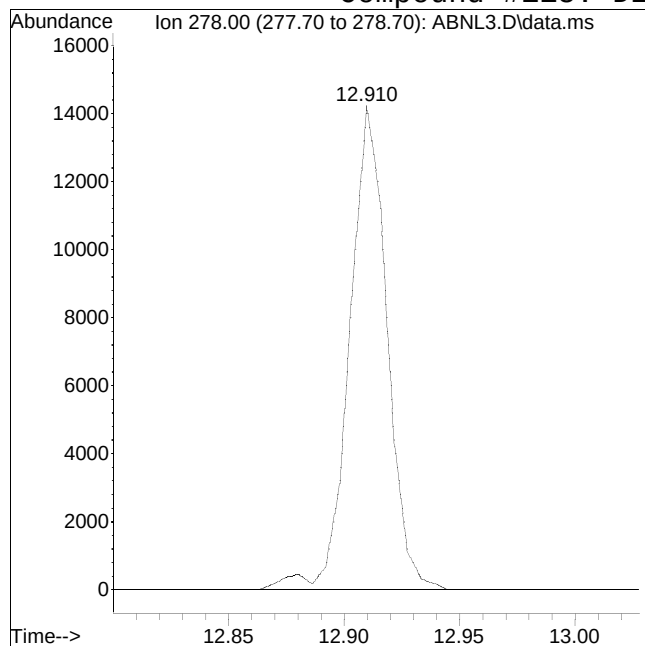
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL3.D
Date Inj'd : 8/17/2025 8:42 pm
Sample : IL8,32,,ABNL0.5 Lot# 11877

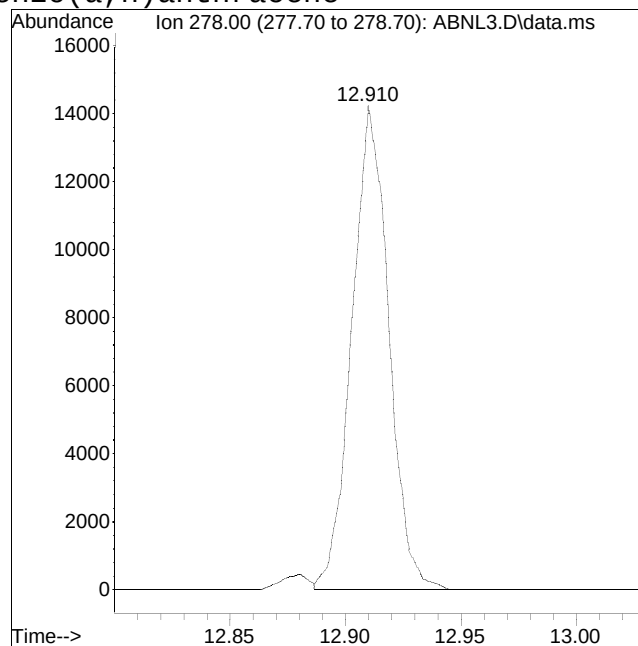
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 16144

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 15744 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL2.D
 Acq On : 17 Aug 2025 09:05 pm
 Operator : SV112:slr
 Sample : IL9,32,,ABNL0.2 Lot# 11878
 Misc : WG2104073,,ical
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 05:28:31 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.764	152	18892	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery =	100.96%		
35) IS1_Naphthalene-d8	5.011	136	73029	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	95.70%		
63) IS1_Acenaphthene-d10	6.687	164	47706	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	92.56%		
88) IS1_Phenanthrene-d10	8.081	188	105647	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	94.05%		
104) IS1_Chrysene-d12	10.599	240	116053	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	93.11%		
113) IS1_Perylene-d12	11.963	264	123106	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	91.17%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.405	112	751	0.000	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.493	99	1132	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.328	82	1050	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.087	172	3200	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.440	330	501	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.652	244	5427	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.117	74	591	No Calib	#	
3) Pyridine	1.170	79	1039	No Calib		
5) Aniline	3.446	93	1201	No Calib	#	
6) 2-Chlorophenol	3.558	128	1028	No Calib	#	
8) Phenol	3.505	94	1295	No Calib	#	
9) Bis(2-chloroethyl)ether	3.552	93	1206	No Calib	#	
10) 1,3-Dichlorobenzene	3.699	146	1476	No Calib		
11) 1,4-Dichlorobenzene	3.781	146	1390	No Calib		
12) 1,2-Dichlorobenzene	3.928	146	1459	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL2.D
 Acq On : 17 Aug 2025 09:05 pm
 Operator : SV112:slr
 Sample : IL9,32,,ABNL0.2 Lot# 11878
 Misc : WG2104073,,ical
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 05:28:31 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	3.958	79	843	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.111	45	1895	No	Calib #	
15)	2-Methylphenol	4.111	108	926	No	Calib #	
16)	Hexachloroethane	4.258	117	507	No	Calib #	
17)	n-Nitrosodi-n-propylamine	4.234	70	804	No	Calib #	
18)	3-Methylphenol/4-Methy...	4.275	108	1007	No	Calib #	
20)	Nitrobenzene	4.346	77	1054	No	Calib #	
21)	Isophorone	4.605	82	2267	No	Calib #	
22)	2-Nitrophenol	4.664	139	384	No	Calib	
23)	2,4-Dimethylphenol	4.781	107	984	No	Calib #	
24)	Bis(2-chloroethoxy)met...	4.858	93	1567	No	Calib #	
25)	2,4-Dichlorophenol	4.916	162	812	No	Calib #	
26)	1,2,4-Trichlorobenzene	4.975	180	1315	No	Calib #	
36)	Naphthalene	5.028	128	4097	No	Calib #	
37)	Benzoic Acid	0.000		0		N.D.	
38)	4-Chloroaniline	5.128	65	396	No	Calib	
39)	Hexachlorobutadiene	5.199	225	947	No	Calib	
40)	p-Chloro-m-cresol	5.652	107	967	No	Calib #	
41)	2-Methylnaphthalene	5.711	142	2349	No	Calib	
42)	1-Methylnaphthalene	5.793	115	947	No	Calib	
43)	Hexachlorocyclopentadiene	5.881	237	644	No	Calib #	
44)	2,4,6-Trichlorophenol	6.011	196	706	No	Calib #	
45)	2,4,5-Trichlorophenol	6.040	196	771	No	Calib #	
47)	2-Chloronaphthalene	6.163	162	2714	No	Calib	
48)	2-Nitroaniline	6.293	138	582	No	Calib #	
49)	1,4-Dinitrobenzene	6.428	168	294	No	Calib	
50)	1,3-Dinitrobenzene	6.505	168	305	No	Calib	
51)	Dimethyl phthalate	6.511	163	3438	No	Calib #	
52)	Acenaphthylene	6.546	152	4284	No	Calib	
53)	2,6-Dinitrotoluene	6.540	165	473	No	Calib	
54)	1,2-Dinitrobenzene	6.575	168	137	No	Calib	
64)	3-Nitroaniline	6.687	138	562	No	Calib #	
65)	Acenaphthene	6.716	154	2552	No	Calib	
66)	2,4-Dinitrophenol	0.000		0		N.D.	
67)	Dibenzofuran	6.887	168	4213	No	Calib	
68)	2,4-Dinitrotoluene	6.922	165	710	No	Calib #	
69)	4-Nitrophenol	6.916	65	432	No	Calib	
70)	2,3,5,6-Tetrachlorophenol	6.993	232	550	No	Calib #	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL2.D
 Acq On : 17 Aug 2025 09:05 pm
 Operator : SV112:slr
 Sample : IL9,32,,ABNL0.2 Lot# 11878
 Misc : WG2104073,,ical
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 05:28:31 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.034	232	591	No	Calib	#
72)	Diethyl phthalate	7.193	149	3465	No	Calib	#
73)	Fluorene	7.210	166	3231	No	Calib	#
74)	4-Chlorophenyl phenyl ...	7.246	204	1904	No	Calib	#
75)	4-Nitroaniline	7.258	138	490	No	Calib	
76)	4,6-Dinitro-o-cresol	7.299	198	245	No	Calib	
77)	NDPA/DPA	7.369	169	2633	No	Calib	
78)	Azobenzene	7.393	77	2890	No	Calib	
80)	4-Bromophenyl phenyl e...	7.705	248	1216	No	Calib	#
81)	Hexachlorobenzene	7.734	284	1393	No	Calib	#
82)	Pentachlorophenol	7.940	266	253	No	Calib	
89)	Phenanthrene	8.105	178	5808	No	Calib	
90)	Anthracene	8.152	178	5452	No	Calib	
91)	Carbazole	8.334	167	4844	No	Calib	
92)	Di-n-butylphthalate	8.763	149	5230	No	Calib	#
93)	Fluoranthene	9.228	202	6643	No	Calib	
94)	Benzidine	9.410	184	908	No	Calib	#
95)	Pyrene	9.428	202	6941	No	Calib	
97)	Butyl benzyl phthalate	10.175	149	2149	No	Calib	#
105)	Benzo(a)anthracene	10.587	228	7171	No	Calib	
106)	3,3'-Dichlorobenzidine	10.616	252	2173	No	Calib	#
107)	Chrysene	10.622	228	6956	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.793	149	3264	No	Calib	#
109)	Di-n-octylphthalate	11.428	149	5069	No	Calib	#
110)	Benzo(b)fluoranthene	11.616	252	6823	No	Calib	
111)	Benzo(k)fluoranthene	11.640	252	6427	No	Calib	
112)	Benzo(a)pyrene	11.904	252	6120	No	Calib	#
114)	Indeno(1,2,3-cd)pyrene	12.875	276	6199	No	Calib	#
115)	Dibenzo(a,h)anthracene	12.910	278	5893	No	Calib	#
116)	Benzo(ghi)perylene	13.081	276	6475	No	Calib	#

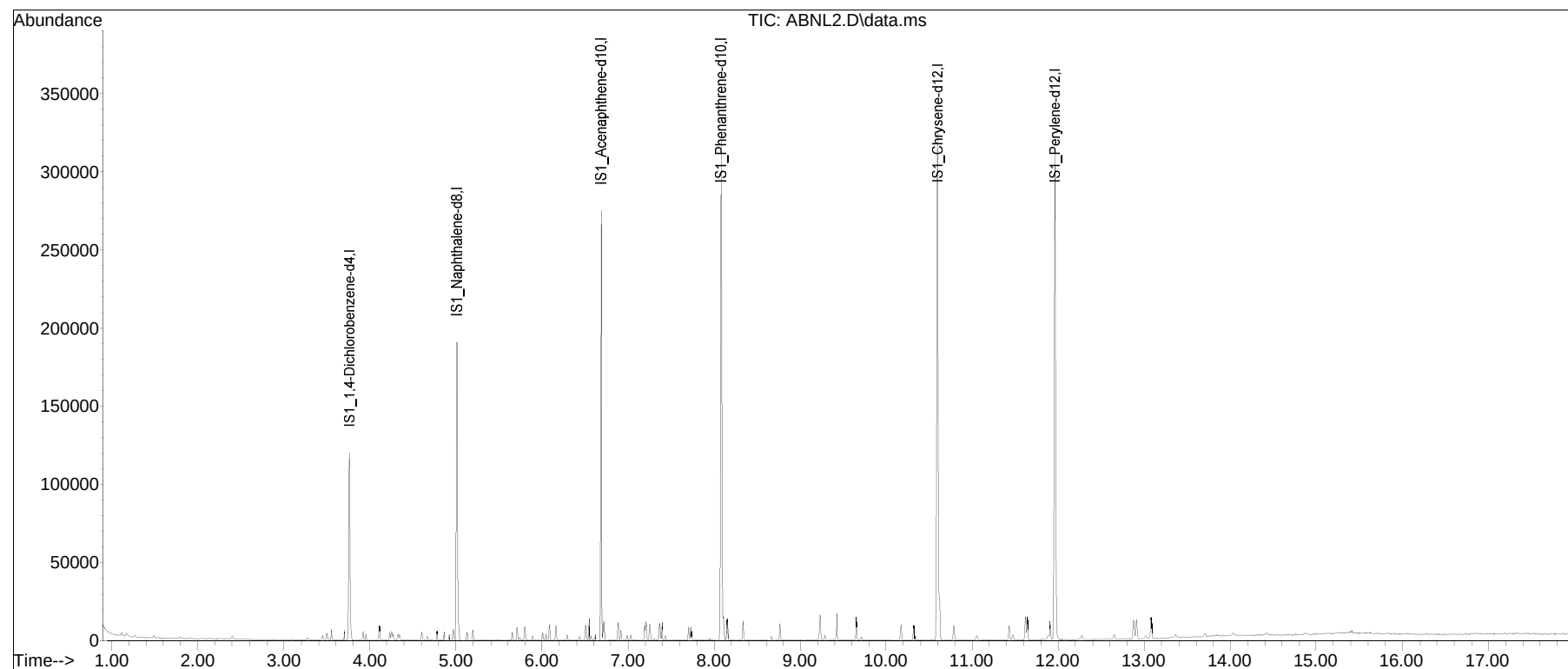
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D
Acq On : 17 Aug 2025 09:05 pm
Operator : SV112:slr
Sample : IL9,32,,ABNL0.2 Lot# 11878
Misc : WG2104073,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 05:28:31 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

Sub List : ~~ABNL2.D~~ I:\8270\SV112\250817RVTical\AP9L6.D•

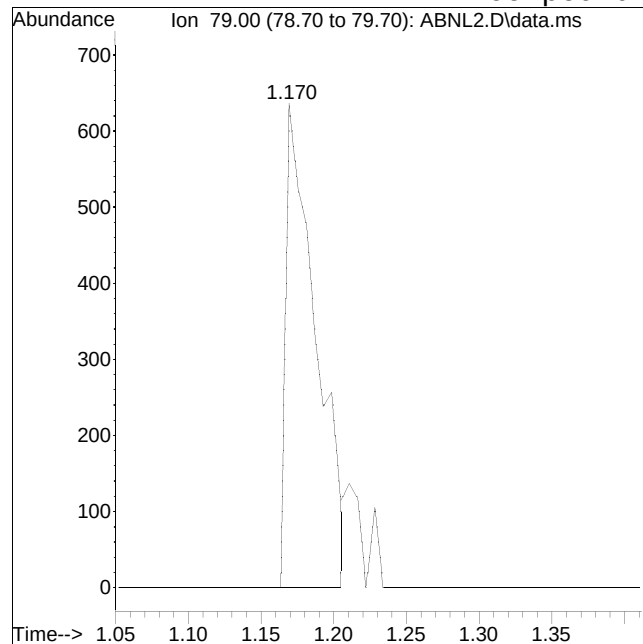


Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878

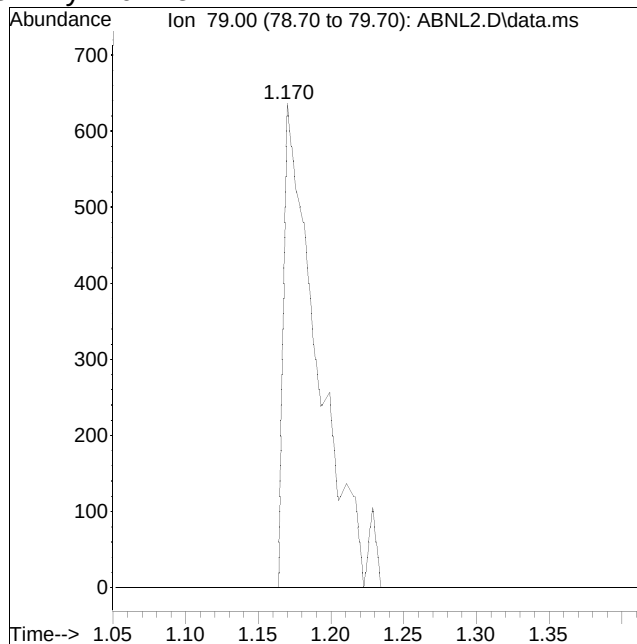
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #3: Pyridine



Original Peak Response = 912

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

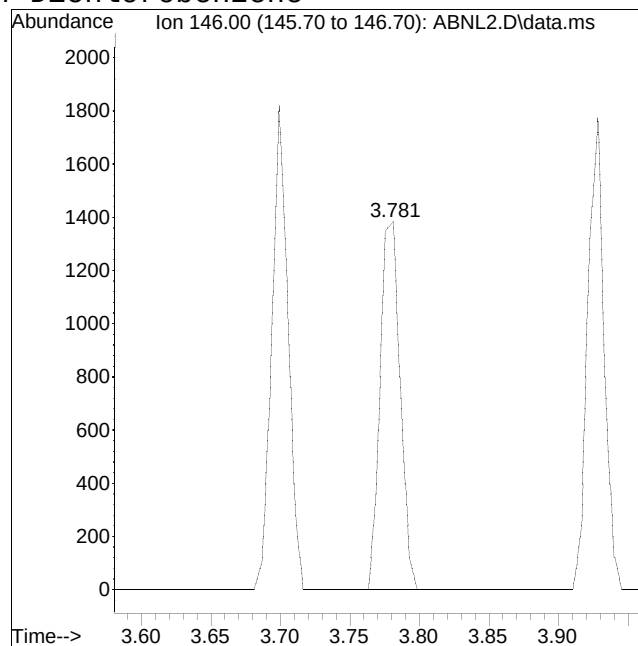
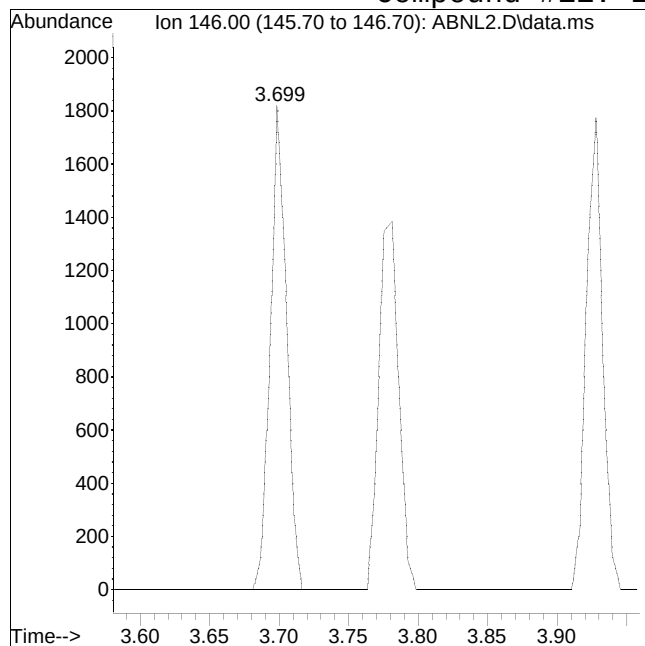


Manual Peak Response = 1039 M1

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #11: 1,4-Dichlorobenzene



Original Peak Response = 1476

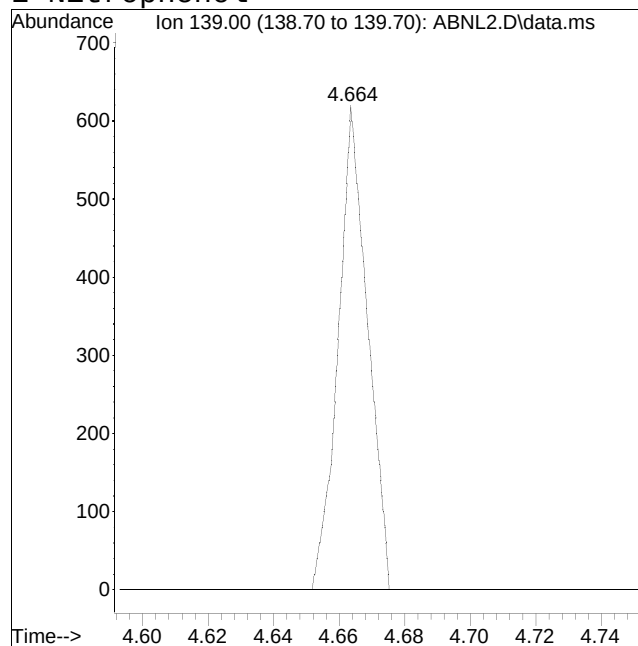
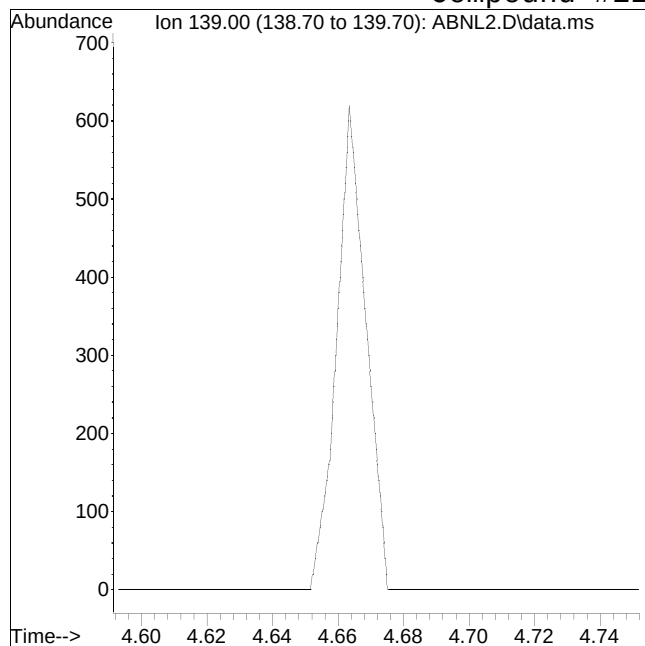
Manual Peak Response = 1390 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #22: 2-Nitrophenol



Original Peak Response = 0

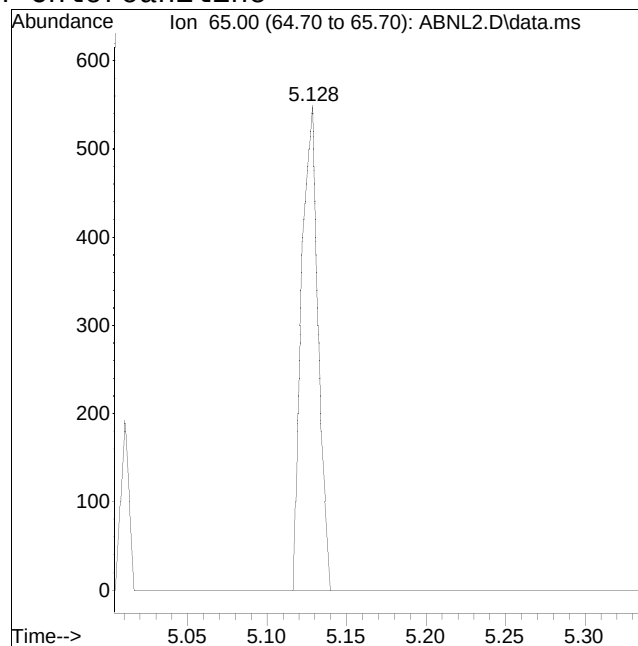
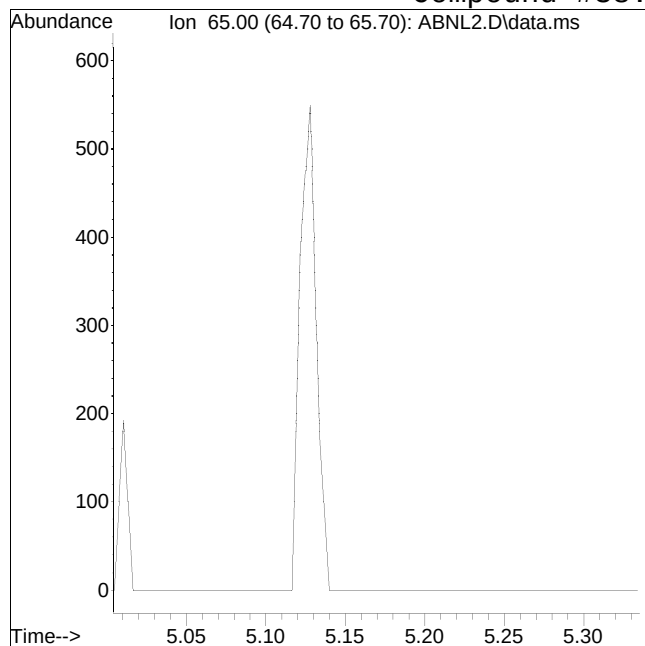
Manual Peak Response = 384 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #38: 4-Chloroaniline



Original Peak Response = 0

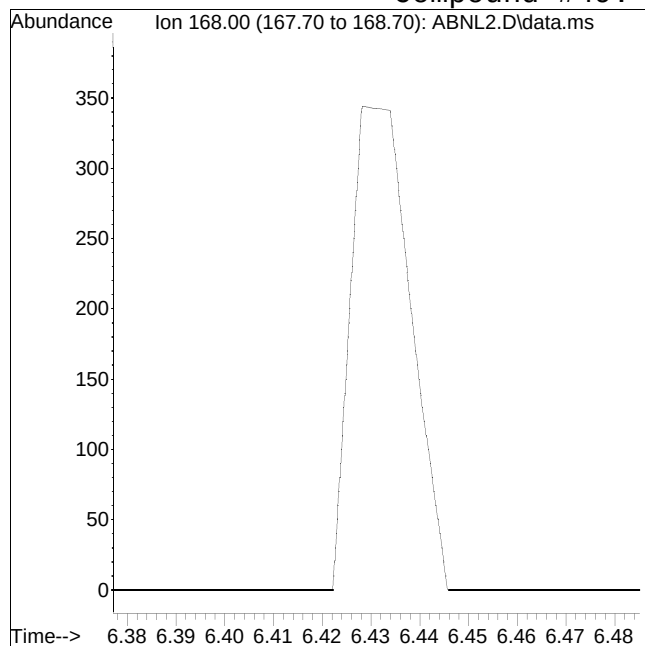
Manual Peak Response = 396 M2

M2 = Peak not found by automatic integration algorithm.

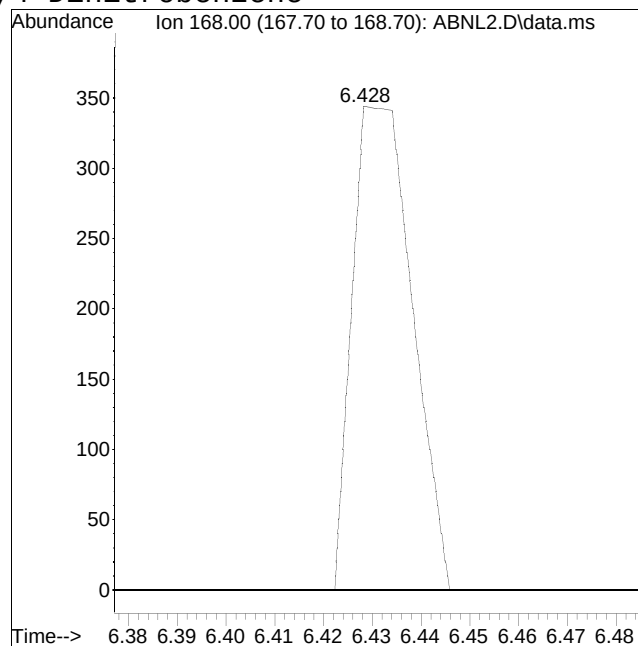
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 0



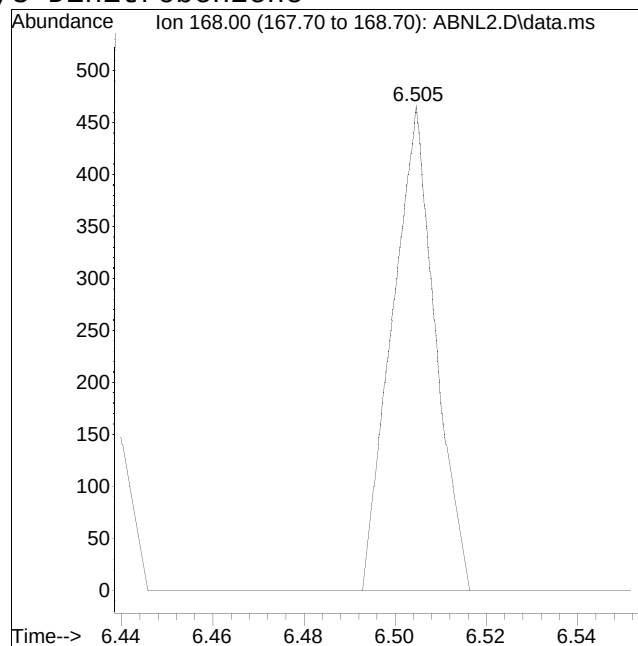
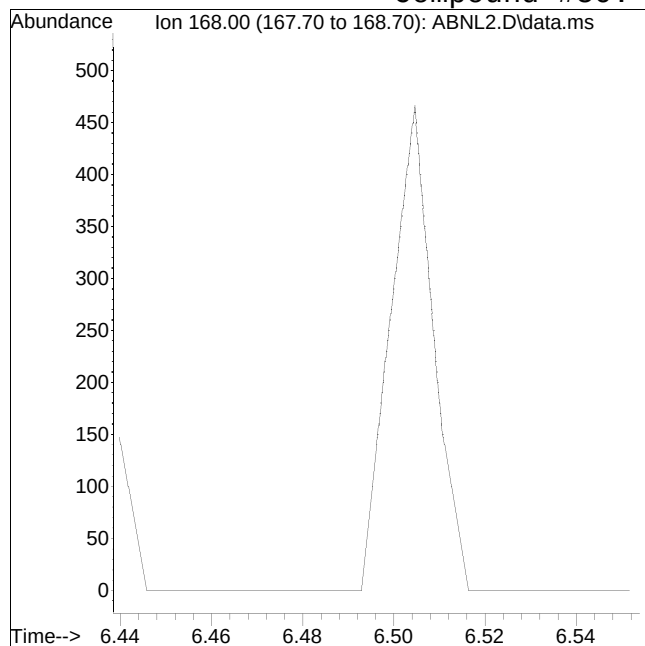
Manual Peak Response = 294 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0

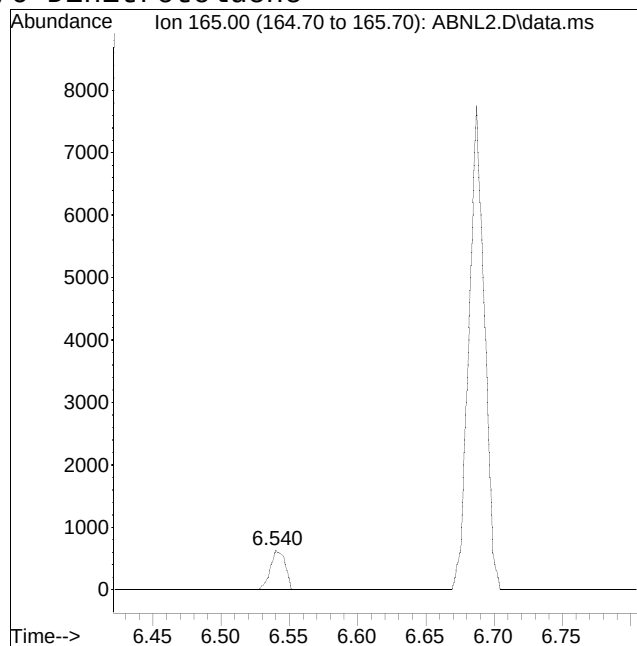
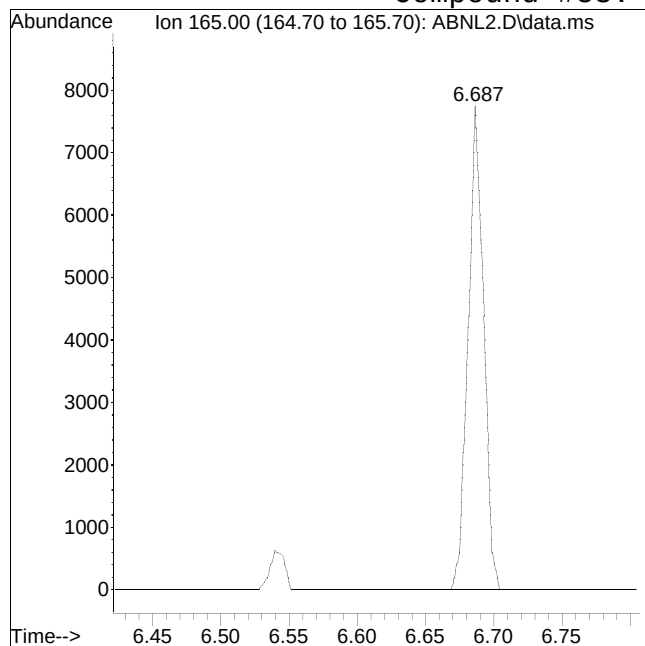
Manual Peak Response = 305 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #53: 2,6-Dinitrotoluene



Original Peak Response = 6137

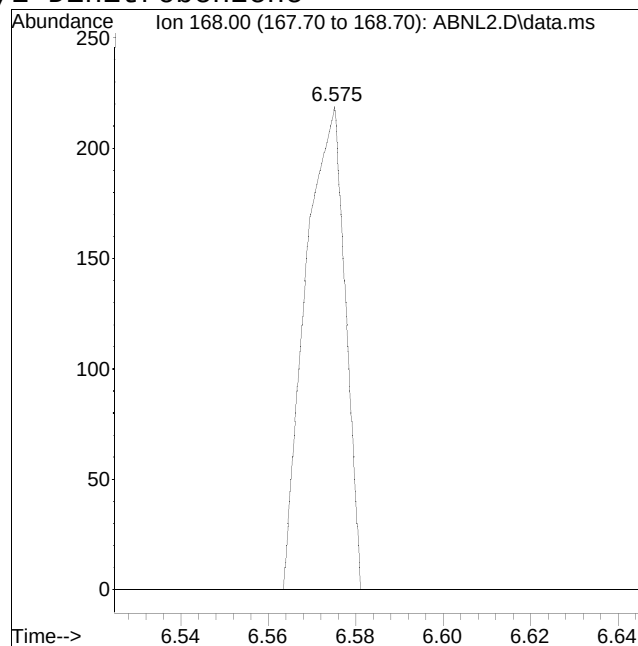
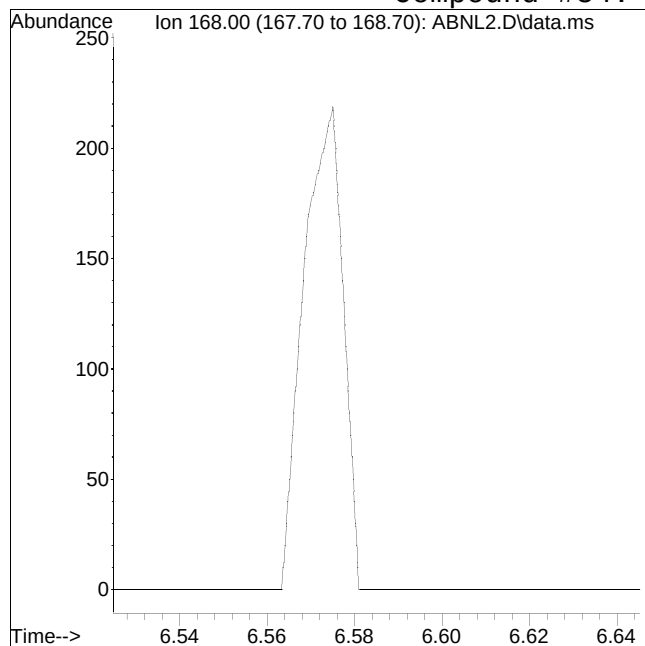
Manual Peak Response = 473 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0

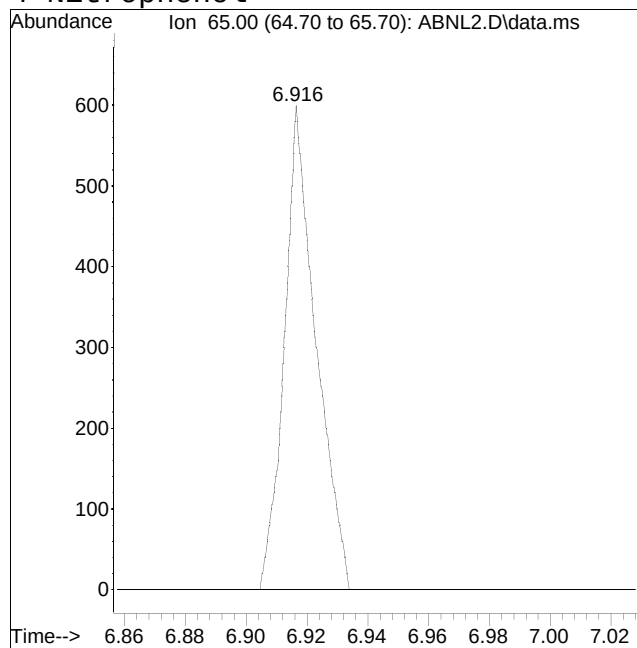
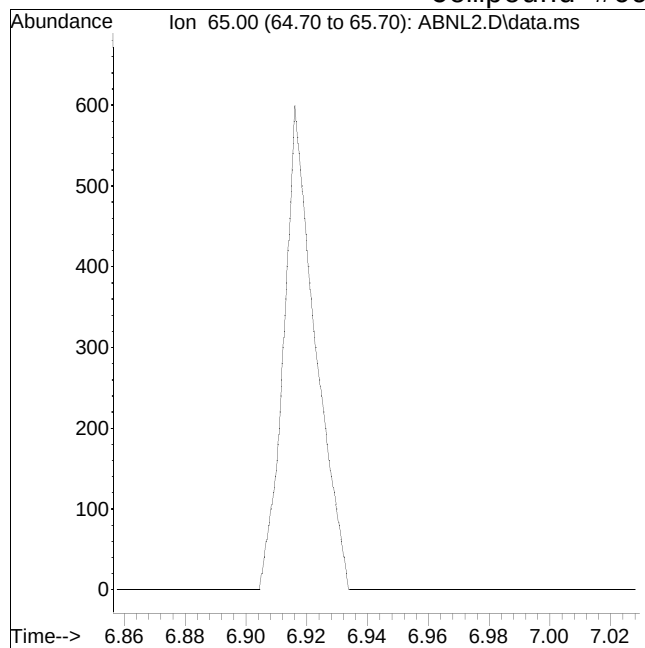
Manual Peak Response = 137 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #69: 4-Nitrophenol



Original Peak Response = 0

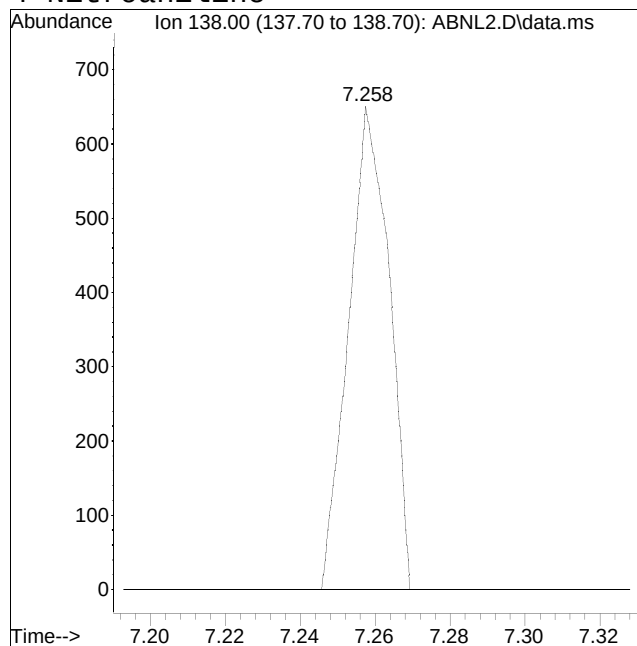
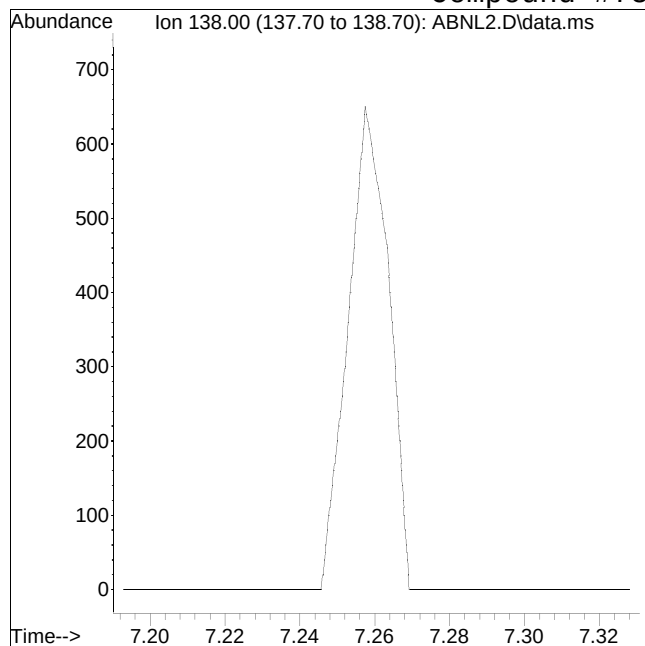
Manual Peak Response = 432 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #75: 4-Nitroaniline



Original Peak Response = 0

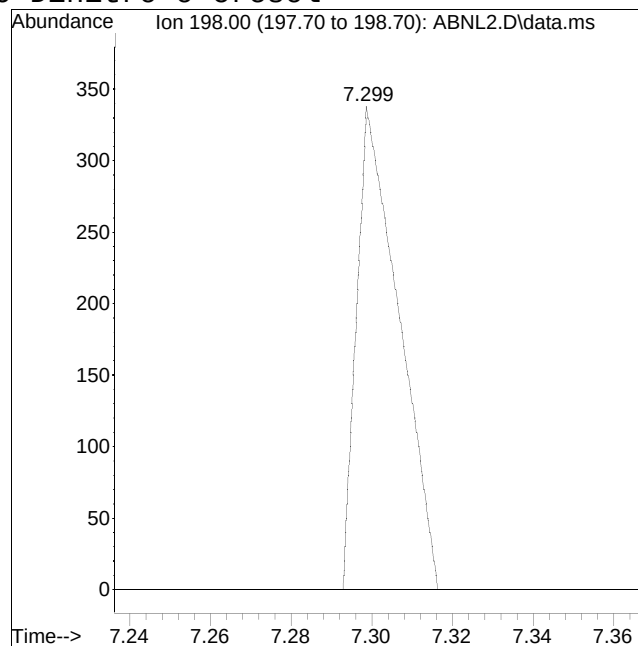
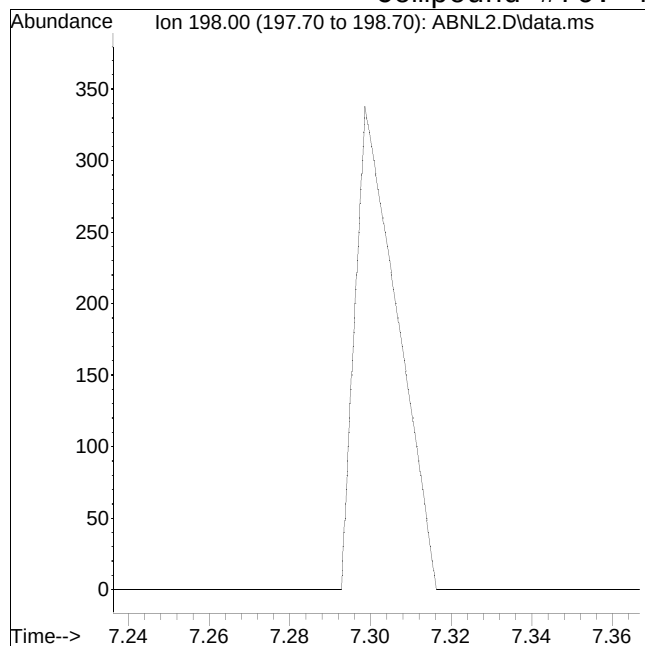
Manual Peak Response = 490 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #76: 4,6-Dinitro-o-cresol



Original Peak Response = 0

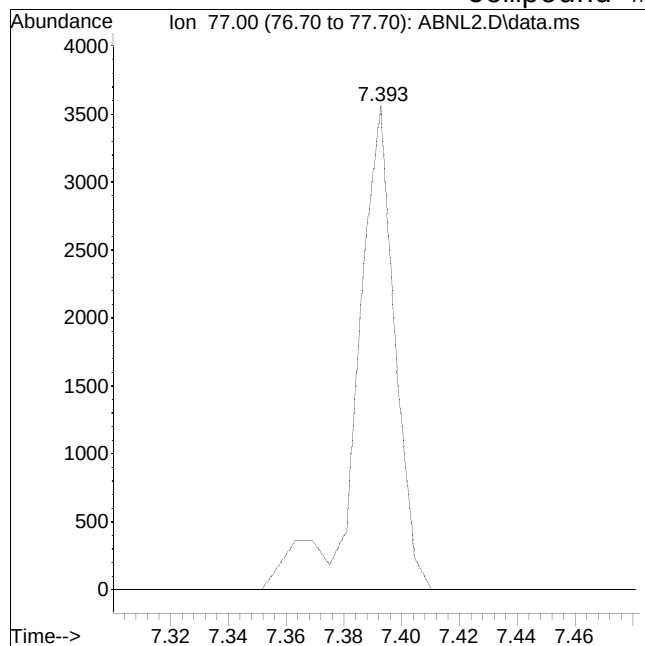
Manual Peak Response = 245 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

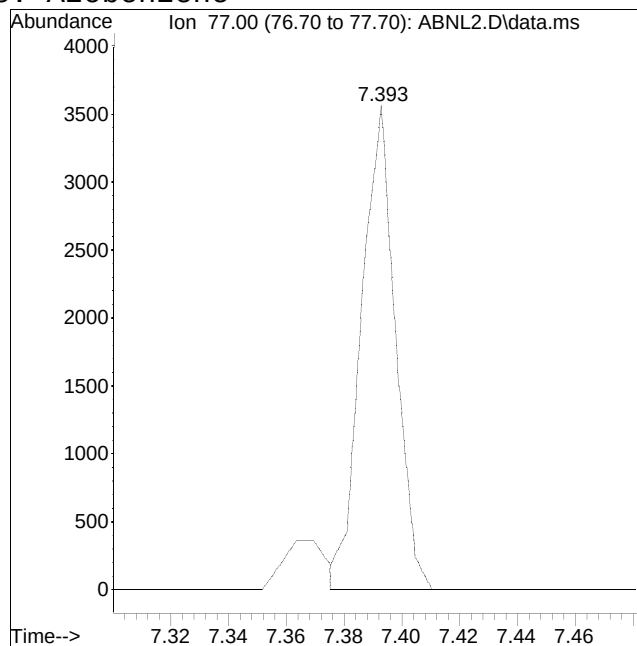
Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #78: Azobenzene



Original Peak Response = 3272

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

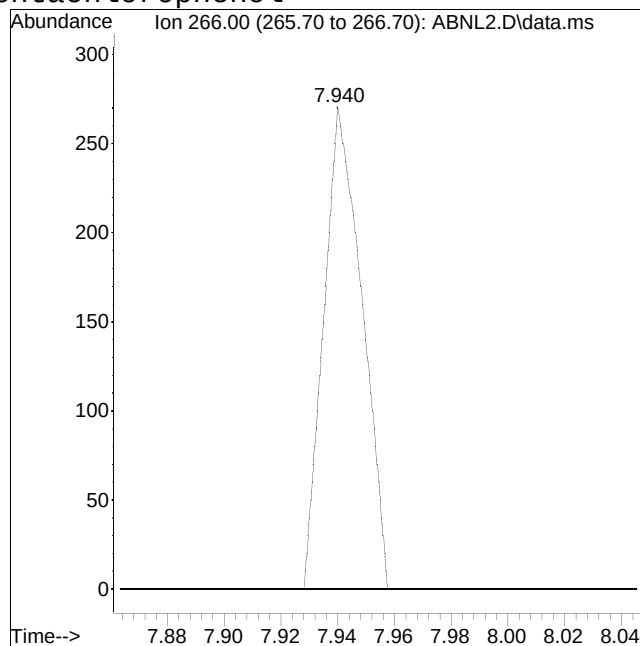
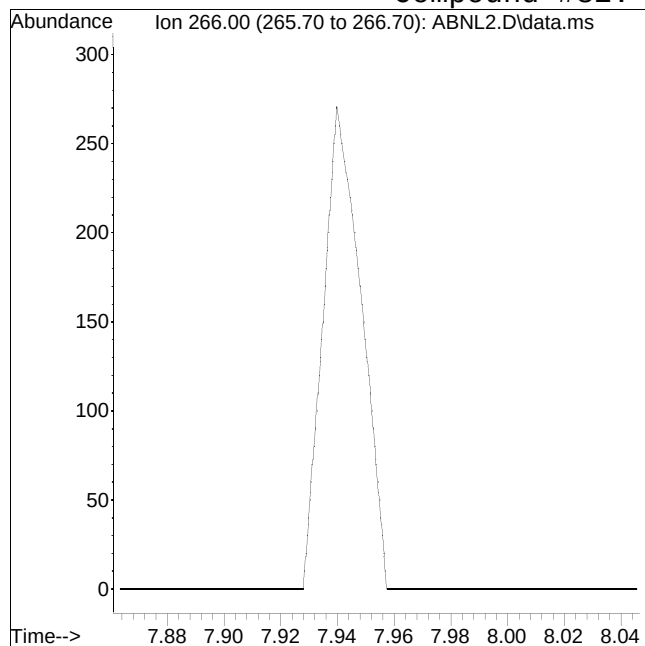


Manual Peak Response = 2890 M6

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #82: Pentachlorophenol



Original Peak Response = 0

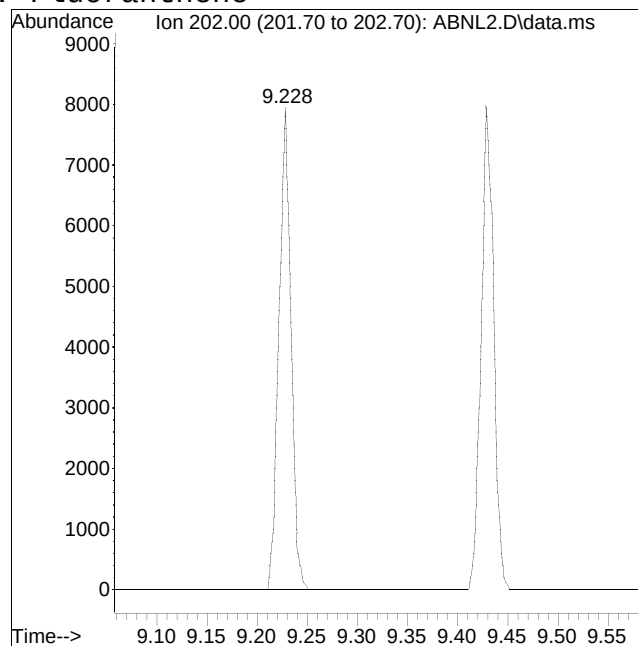
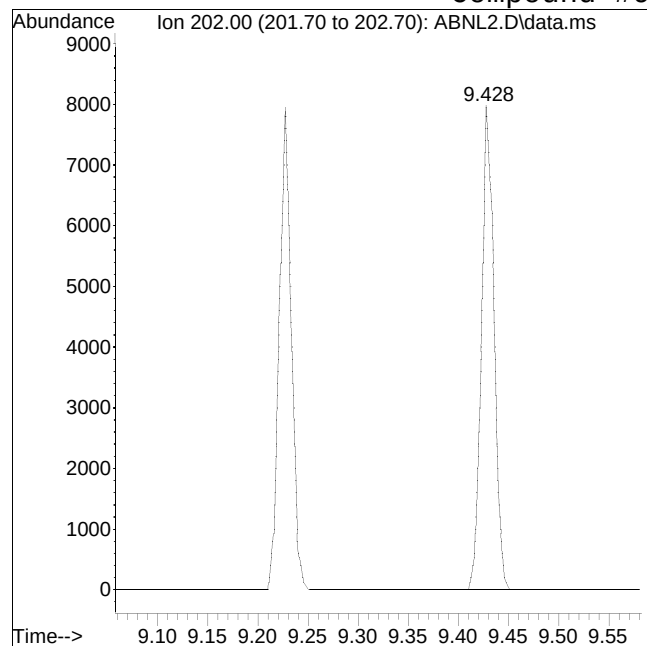
Manual Peak Response = 253 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #93: Fluoranthene



Original Peak Response = 6941

Manual Peak Response = 6643 M3

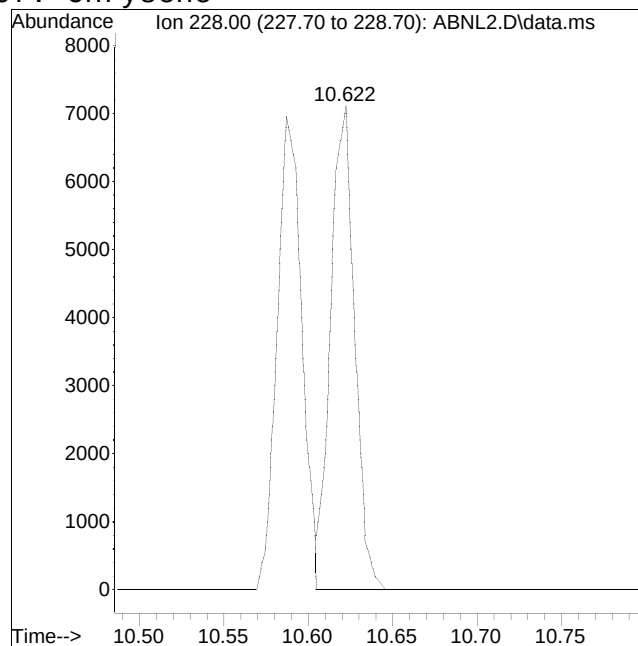
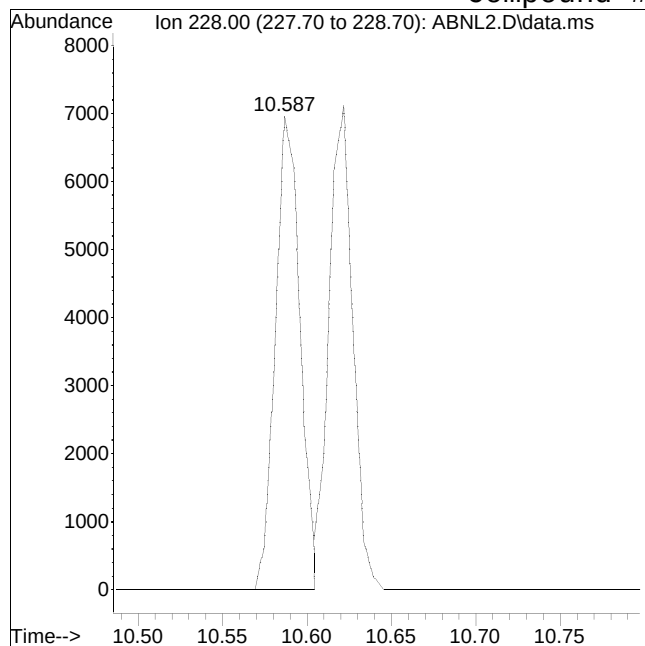
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #107: Chrysene



Original Peak Response = 7171

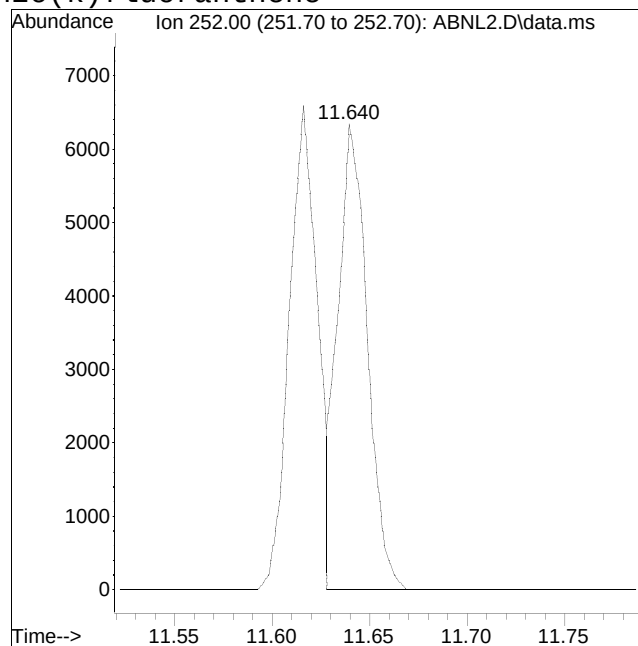
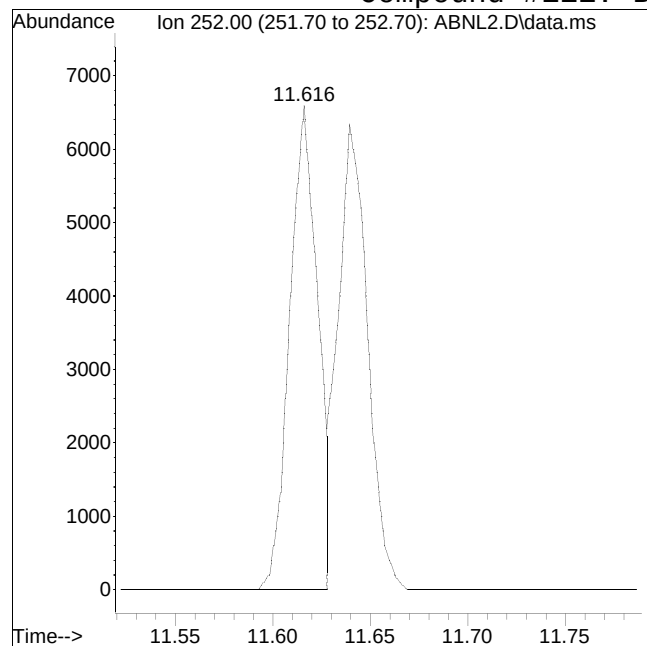
Manual Peak Response = 6956 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL2.D
Date Inj'd : 8/17/2025 9:05 pm
Sample : IL9,32,,ABNL0.2 Lot# 11878
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 6823

Manual Peak Response = 6427 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL1.D
 Acq On : 17 Aug 2025 09:27 pm
 Operator : SV112:slr
 Sample : IL10,32,,ABNL0.1 Lot# 11879
 Misc : WG2104073,,ical
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 05:26:53 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	18771	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery =	100.31%		
35) IS1_Naphthalene-d8	5.010	136	71989	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	94.34%		
63) IS1_Acenaphthene-d10	6.687	164	45837	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	88.94%		
88) IS1_Phenanthrene-d10	8.081	188	102109	4.000	ug/ml	# 0.00
Standard Area 1 = 112327			Recovery =	90.90%		
104) IS1_Chrysene-d12	10.598	240	111302	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	89.29%		
113) IS1_Perylene-d12	11.963	264	119652	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	88.62%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.411	112	497M2	0.000	ug/ml	0.02
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.493	99	517	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.328	82	555	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.087	172	1639	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.446	330	167M2	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.651	244	2870	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.122	74	343	No Calib		Qvalue
3) Pyridine	1.181	79	471	No Calib		
5) Aniline	3.552	93	638	No Calib	#	
6) 2-Chlorophenol	3.558	128	504	No Calib	#	
8) Phenol	3.505	94	625	No Calib	#	
9) Bis(2-chloroethyl)ether	3.552	93	638	No Calib	#	
10) 1,3-Dichlorobenzene	3.699	146	726	No Calib	#	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL1.D
 Acq On : 17 Aug 2025 09:27 pm
 Operator : SV112:slr
 Sample : IL10,32,,ABNL0.1 Lot# 11879
 Misc : WG2104073,,ical
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 05:26:53 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
11)	1,4-Dichlorobenzene	3.781	146	788	No	Calib	#
12)	1,2-Dichlorobenzene	3.928	146	740	No	Calib	#
13)	Benzyl alcohol	3.958	79	356	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.111	45	922	No	Calib	#
15)	2-Methylphenol	4.111	108	420	No	Calib	
16)	Hexachloroethane	4.258	117	238	No	Calib	
17)	n-Nitrosodi-n-propylamine	4.240	70	432	No	Calib	
18)	3-Methylphenol/4-Methy...	4.275	108	512	No	Calib	#
20)	Nitrobenzene	4.346	77	574	No	Calib	#
21)	Isophorone	4.605	82	1236	No	Calib	#
22)	2-Nitrophenol	4.663	139	225	No	Calib	
23)	2,4-Dimethylphenol	4.781	107	494	No	Calib	
24)	Bis(2-chloroethoxy)met...	4.858	93	771	No	Calib	#
25)	2,4-Dichlorophenol	4.916	162	428	No	Calib	
26)	1,2,4-Trichlorobenzene	4.975	180	730	No	Calib	#
36)	Naphthalene	5.028	128	1981	No	Calib	#
37)	Benzoic Acid	0.000		0		N.D.	
38)	4-Chloroaniline	5.128	65	230	No	Calib	
39)	Hexachlorobutadiene	5.199	225	471	No	Calib	
40)	p-Chloro-m-cresol	5.652	107	434	No	Calib	
41)	2-Methylnaphthalene	5.710	142	1199	No	Calib	#
42)	1-Methylnaphthalene	5.799	115	547	No	Calib	
43)	Hexachlorocyclopentadiene	5.881	237	244	No	Calib	
44)	2,4,6-Trichlorophenol	6.010	196	402	No	Calib	
45)	2,4,5-Trichlorophenol	6.040	196	385	No	Calib	
47)	2-Chloronaphthalene	6.163	162	1351	No	Calib	#
48)	2-Nitroaniline	6.299	138	317	No	Calib	
49)	1,4-Dinitrobenzene	6.428	168	144	No	Calib	
50)	1,3-Dinitrobenzene	6.505	168	120	No	Calib	
51)	Dimethyl phthalate	6.510	163	1608	No	Calib	#
52)	Acenaphthylene	6.546	152	2214	No	Calib	#
53)	2,6-Dinitrotoluene	0.000		0		N.D.	d
54)	1,2-Dinitrobenzene	6.528		0		N.D.	
64)	3-Nitroaniline	6.687	138	247	No	Calib	
65)	Acenaphthene	6.716	154	1271	No	Calib	
66)	2,4-Dinitrophenol	0.000		0		N.D.	
67)	Dibenzofuran	6.887	168	2184	No	Calib	
68)	2,4-Dinitrotoluene	6.916	165	349	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL1.D
 Acq On : 17 Aug 2025 09:27 pm
 Operator : SV112:slr
 Sample : IL10,32,,ABNL0.1 Lot# 11879
 Misc : WG2104073,,ical
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 05:26:53 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69)	4-Nitrophenol	6.922	65	147	No	Calib	
70)	2,3,5,6-Tetrachlorophenol	6.993	232	269	No	Calib	
71)	2,3,4,6-Tetrachlorophenol	7.034	232	315	No	Calib	
72)	Diethyl phthalate	7.193	149	1771	No	Calib	#
73)	Fluorene	7.210	166	1868	No	Calib	#
74)	4-Chlorophenyl phenyl ...	7.252	204	980	No	Calib	#
75)	4-Nitroaniline	7.263	138	207	No	Calib	
76)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
77)	NDPA/DPA	7.369	169	1416	No	Calib	
78)	Azobenzene	7.393	77	1347	No	Calib	
80)	4-Bromophenyl phenyl e...	7.704	248	555	No	Calib	#
81)	Hexachlorobenzene	7.734	284	796	No	Calib	#
82)	Pentachlorophenol	0.000		0		N.D.	d
89)	Phenanthrene	8.104	178	2915	No	Calib	#
90)	Anthracene	8.151	178	2877	No	Calib	#
91)	Carbazole	8.334	167	2347	No	Calib	#
92)	Di-n-butylphthalate	8.763	149	2722	No	Calib	#
93)	Fluoranthene	9.228	202	3513	No	Calib	
94)	Benzidine	0.000		0		N.D.	
95)	Pyrene	9.428	202	3354	No	Calib	
97)	Butyl benzyl phthalate	10.175	149	1040	No	Calib	#
105)	Benzo(a)anthracene	10.587	228	4007	No	Calib	
106)	3,3'-Dichlorobenzidine	10.622	252	1199	No	Calib	#
107)	Chrysene	10.622	228	3613	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.793	149	1659	No	Calib	#
109)	Di-n-octylphthalate	11.428	149	2632	No	Calib	#
110)	Benzo(b)fluoranthene	11.616	252	3710	No	Calib	#
111)	Benzo(k)fluoranthene	11.640	252	3551	No	Calib	
112)	Benzo(a)pyrene	11.904	252	3169	No	Calib	#
114)	Indeno(1,2,3-cd)pyrene	12.875	276	3021	No	Calib	
115)	Dibenzo(a,h)anthracene	12.910	278	2930	No	Calib	
116)	Benzo(ghi)perylene	13.081	276	3157	No	Calib	

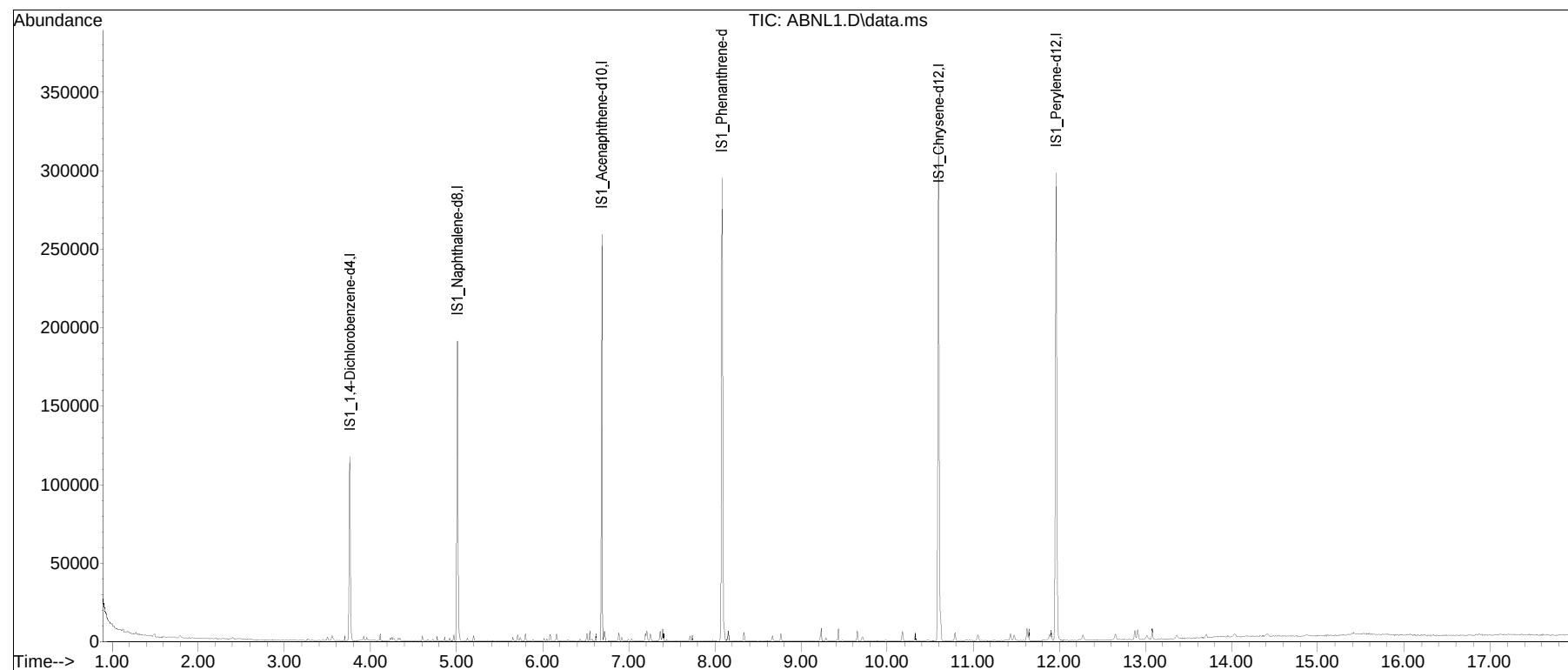
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL1.D
 Acq On : 17 Aug 2025 09:27 pm
 Operator : SV112:slr
 Sample : IL10,32,,ABNL0.1 Lot# 11879
 Misc : WG2104073,,ical
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 05:26:53 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

Sub List : ~~ABNL1\8270\SV112\250817RVTical\AP9L6.D~~

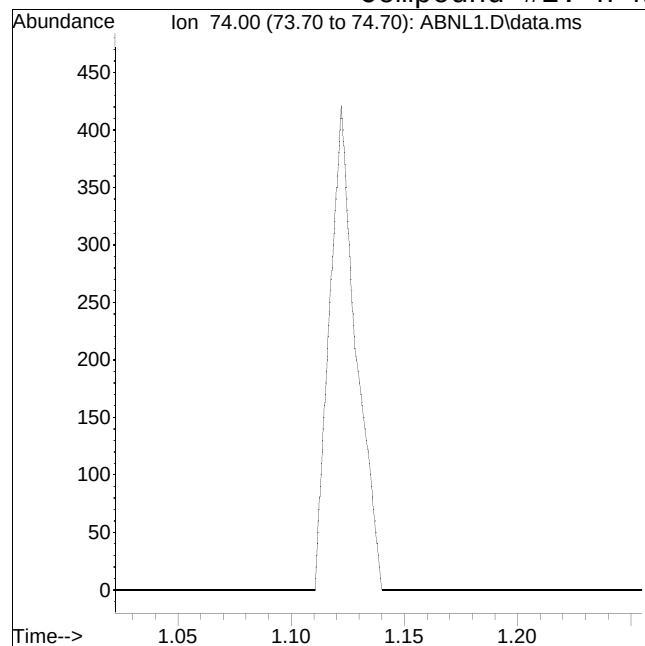


Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870

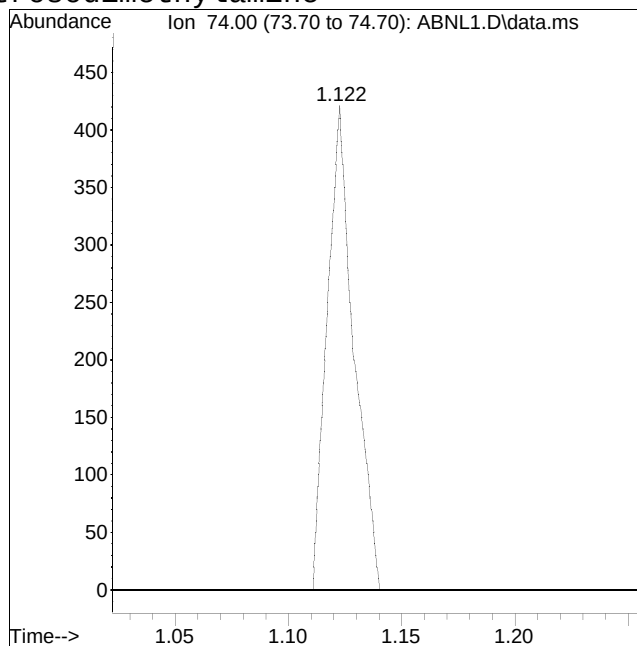
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #2: n-Nitrosodimethylamine



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

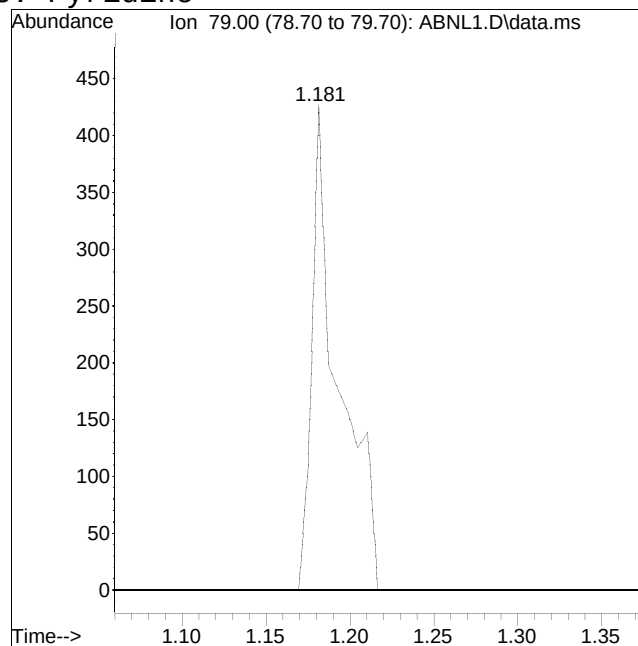
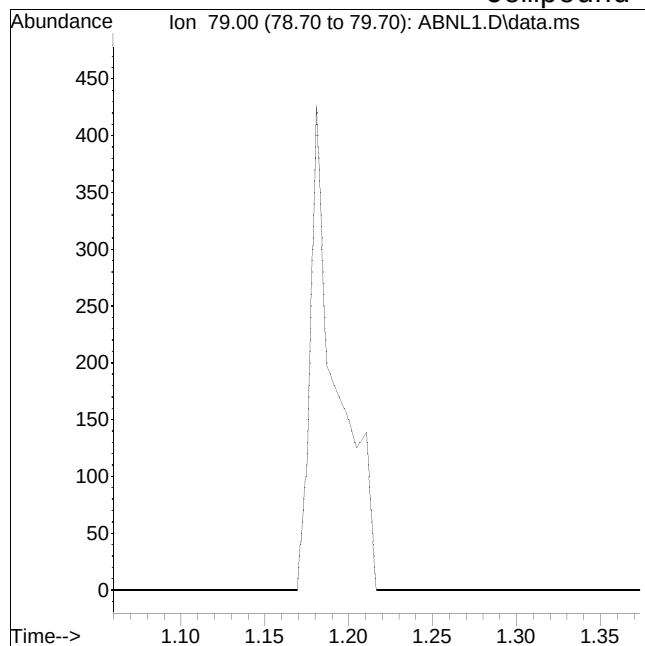


Manual Peak Response = 343 M2

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #3: Pyridine



Original Peak Response = 0

Manual Peak Response = 471 M2

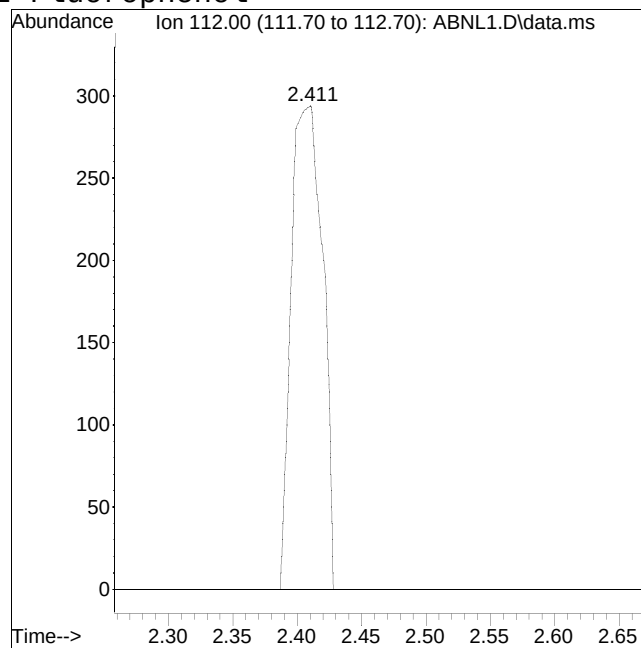
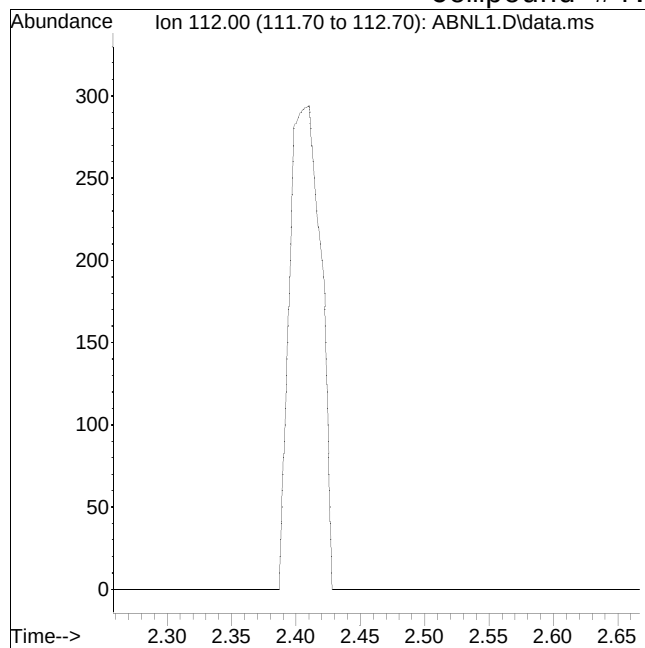
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #4: 2-Fluorophenol



Original Peak Response = 0

Manual Peak Response = 497 M2

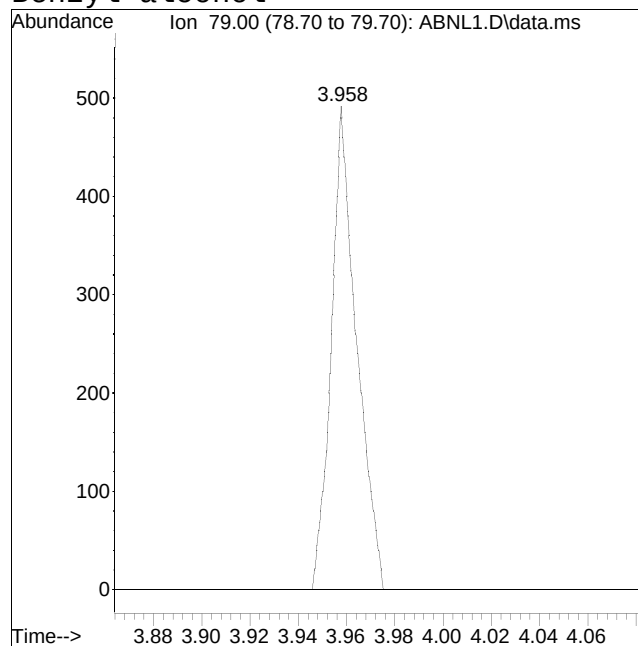
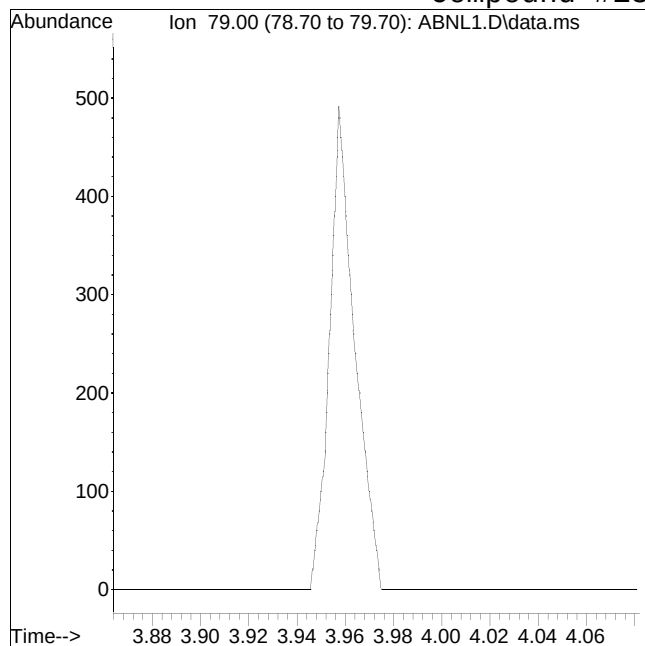
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #13: Benzyl alcohol



Original Peak Response = 0

Manual Peak Response = 356 M2

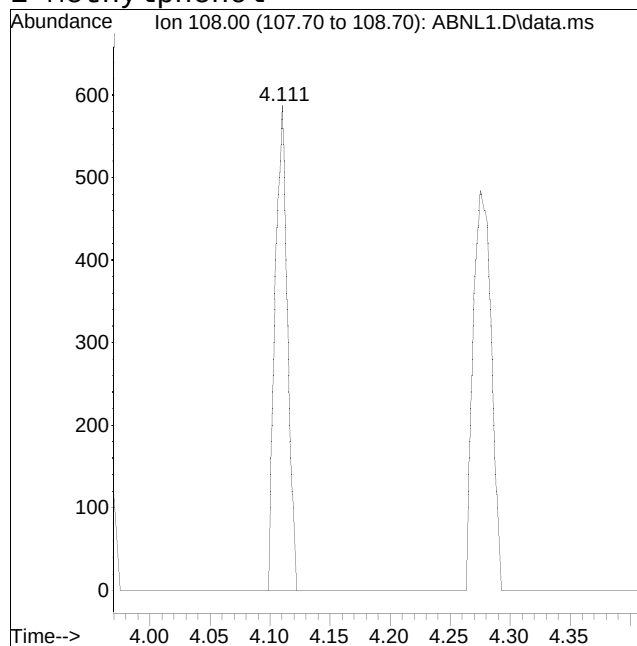
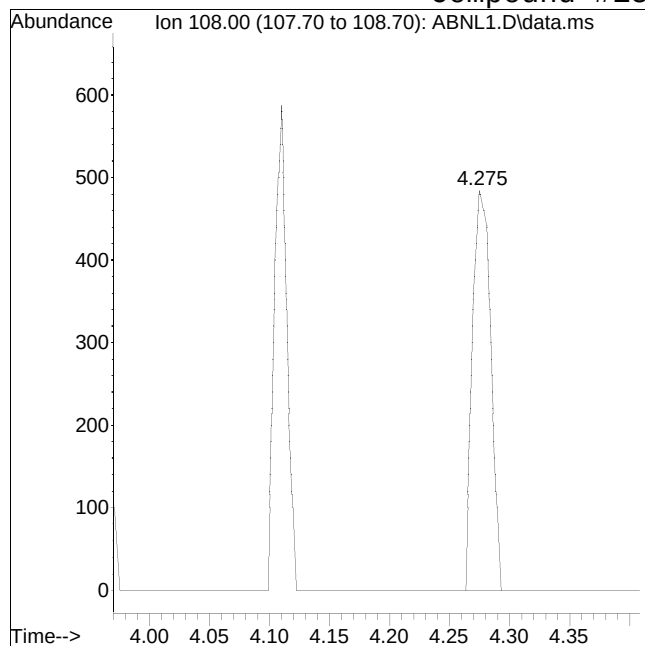
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #15: 2-Methylphenol

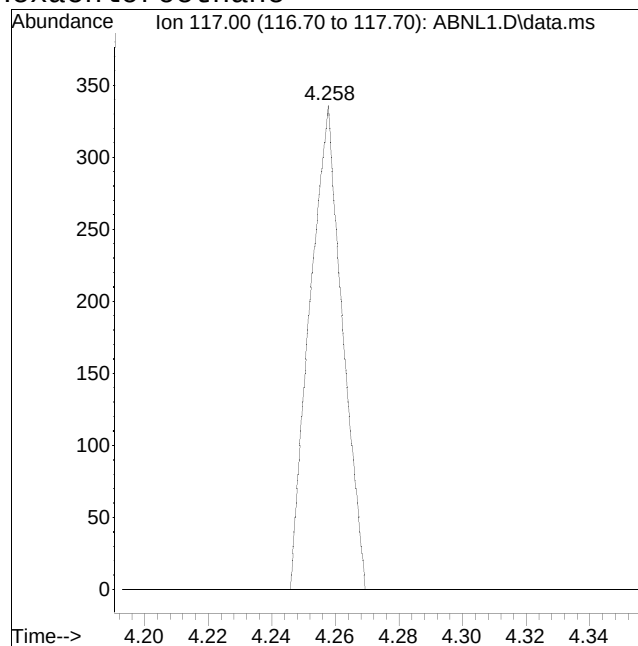
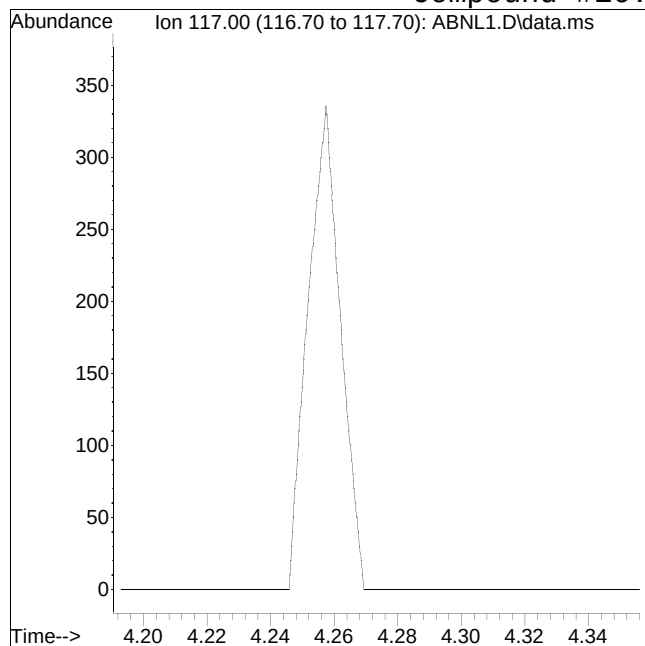


M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #16: Hexachloroethane



Original Peak Response = 0

Manual Peak Response = 238 M2

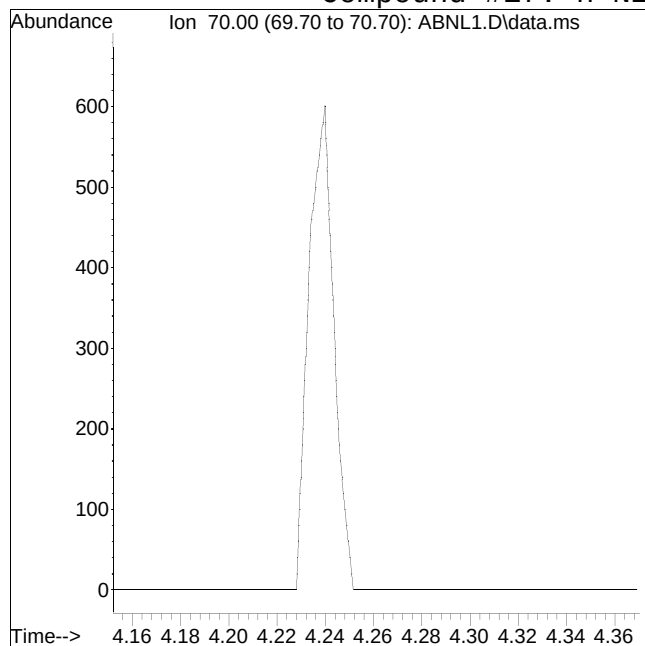
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187

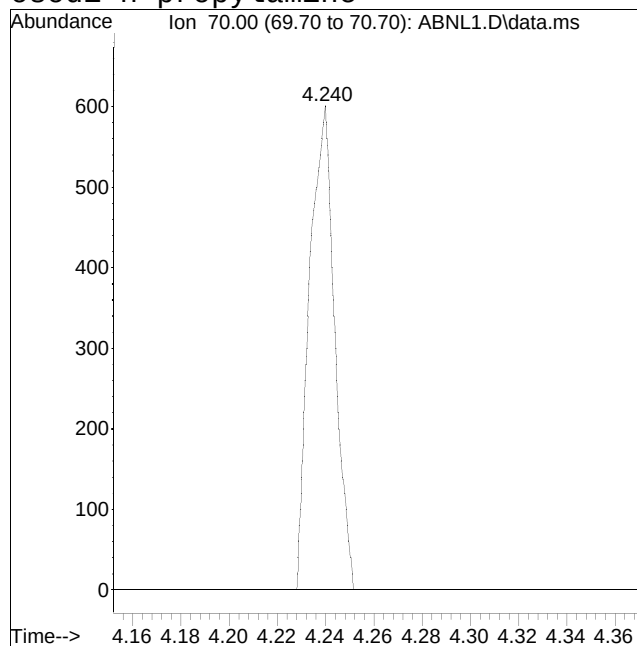
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #17: n-Nitrosodi-n-propylamine



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

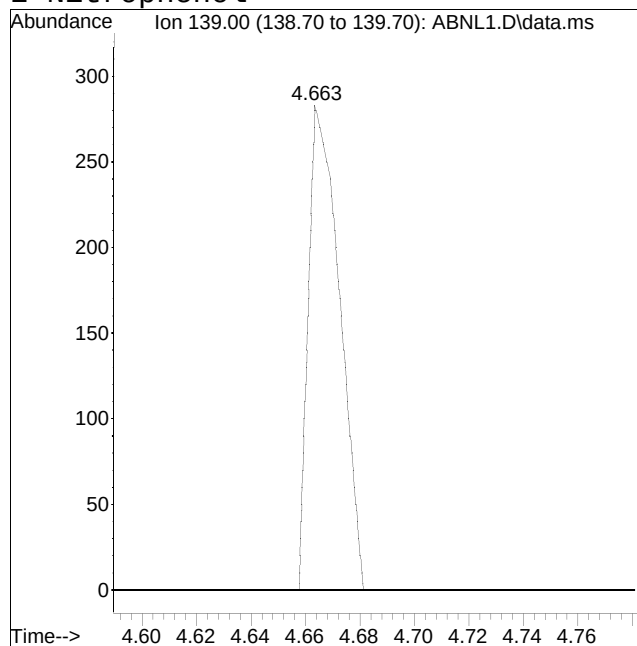
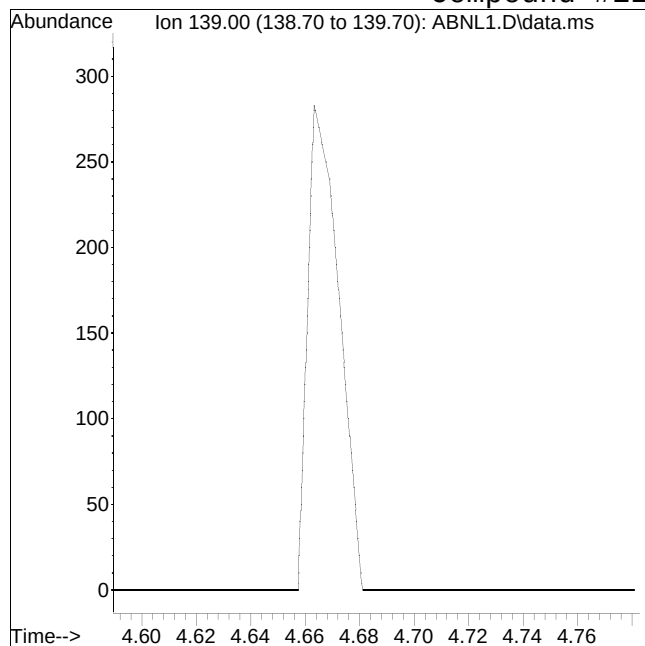


Manual Peak Response = 432 M2

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #22: 2-Nitrophenol



Original Peak Response = 0

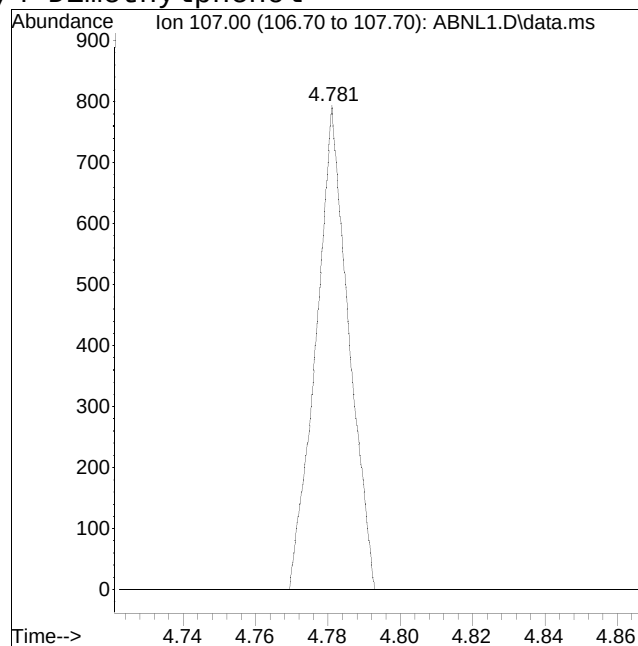
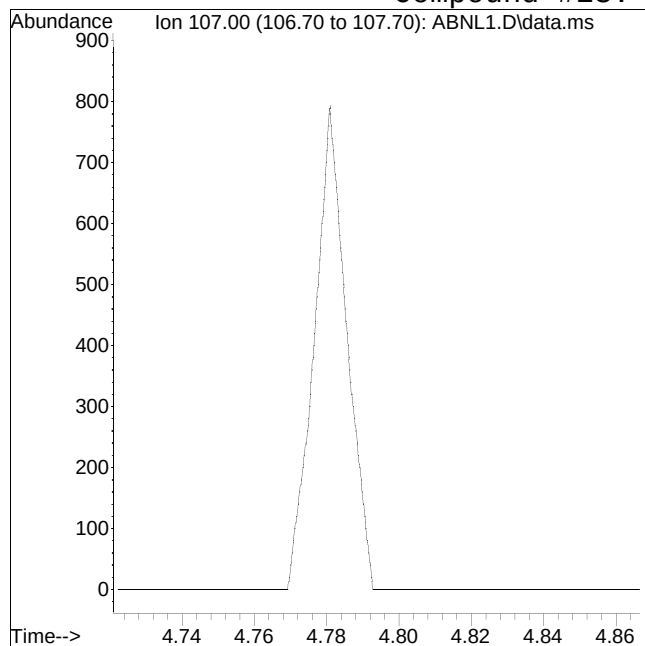
Manual Peak Response = 225 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #23: 2,4-Dimethylphenol



Original Peak Response = 0

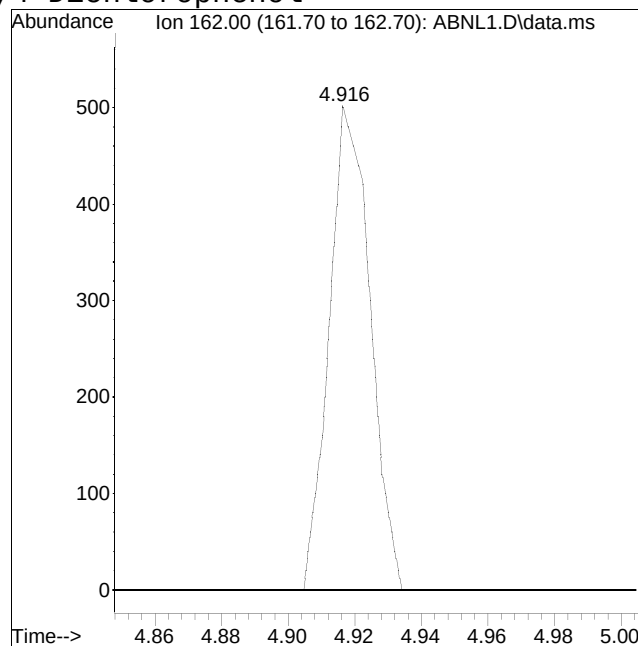
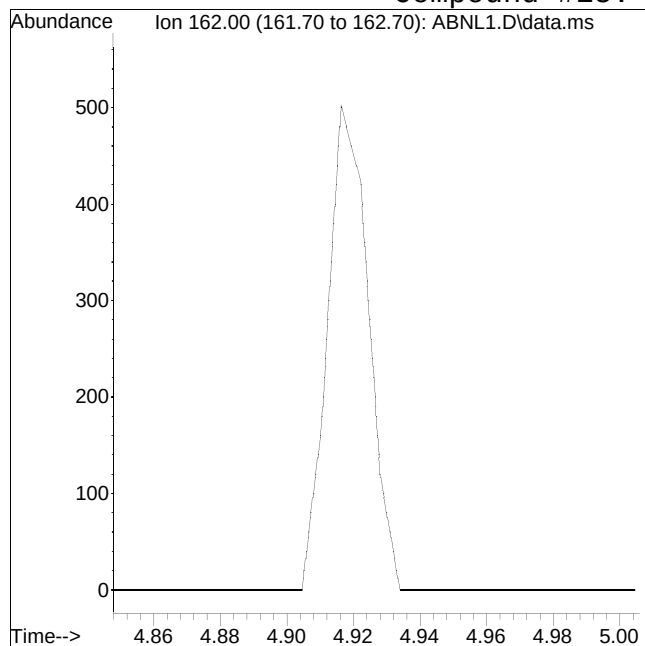
Manual Peak Response = 494 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #25: 2,4-Dichlorophenol



Original Peak Response = 0

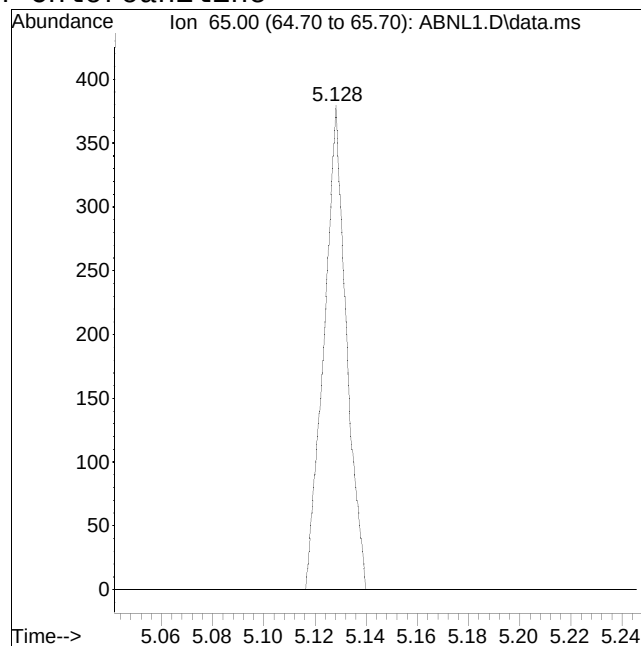
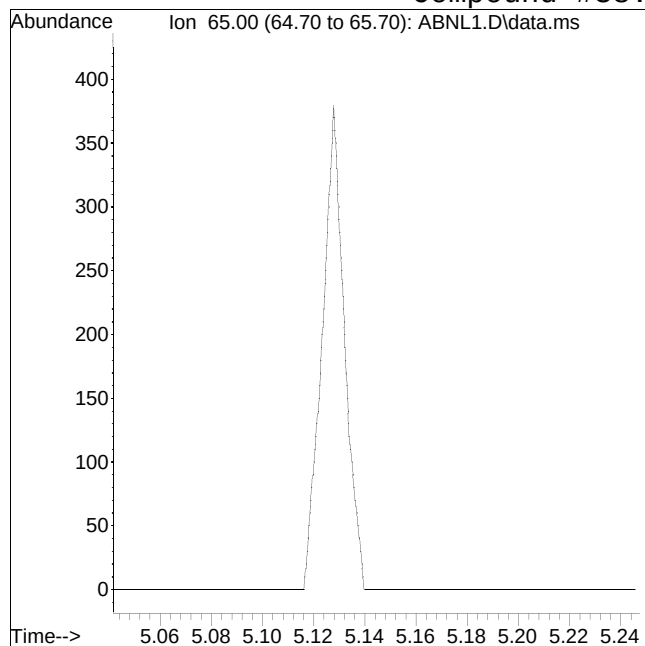
Manual Peak Response = 428 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #38: 4-Chloroaniline



Original Peak Response = 0

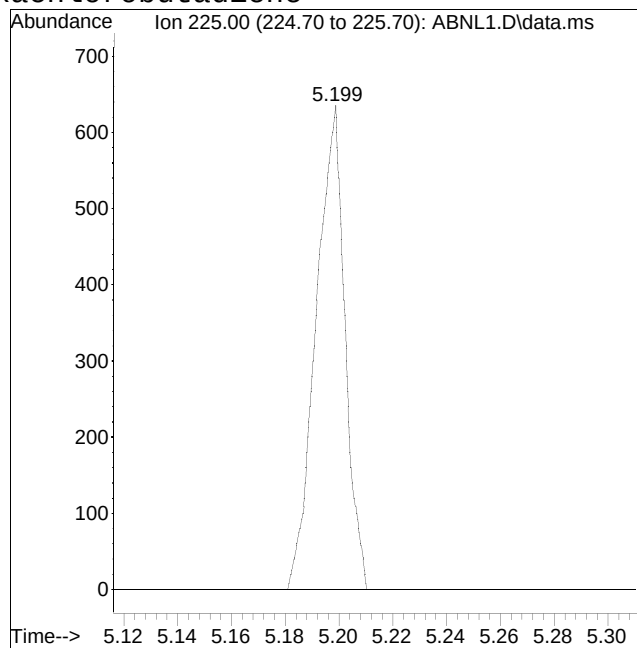
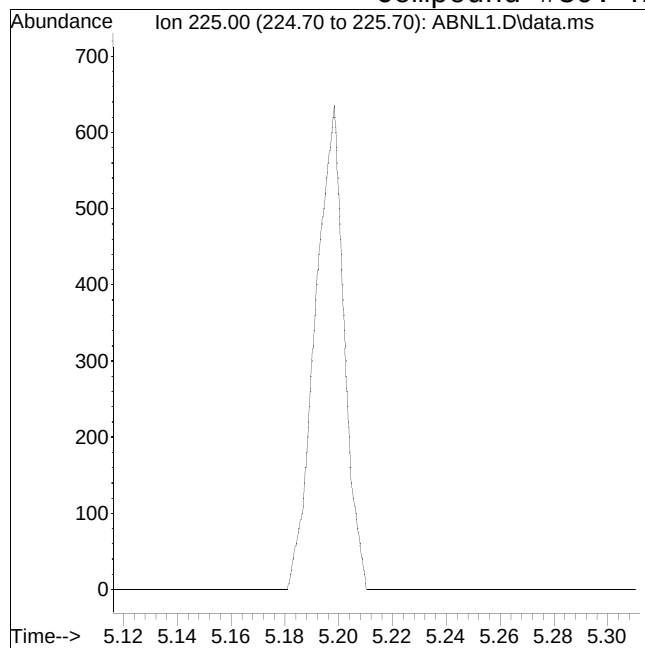
Manual Peak Response = 230 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #39: Hexachlorobutadiene



Original Peak Response = 0

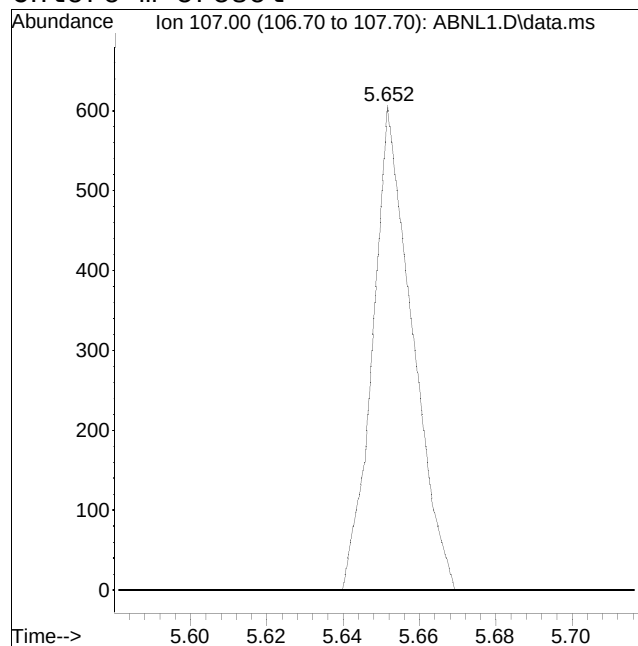
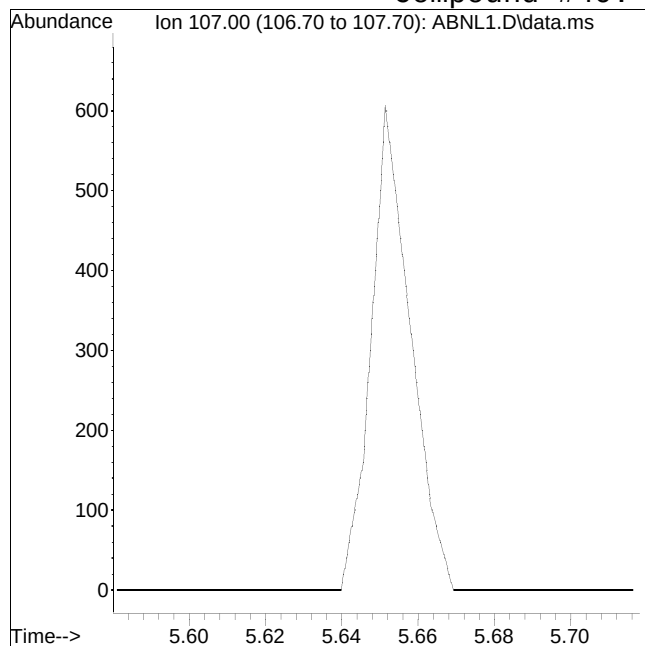
Manual Peak Response = 471 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #40: p-Chloro-m-cresol



Original Peak Response = 0

Manual Peak Response = 434 M2

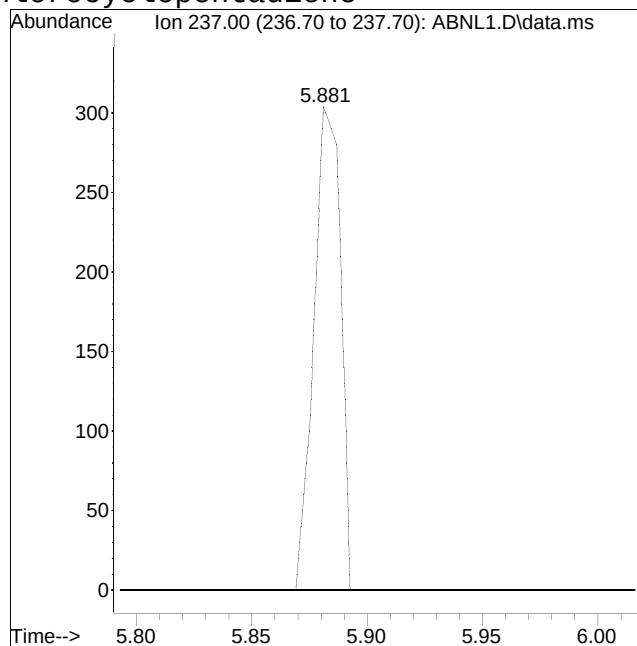
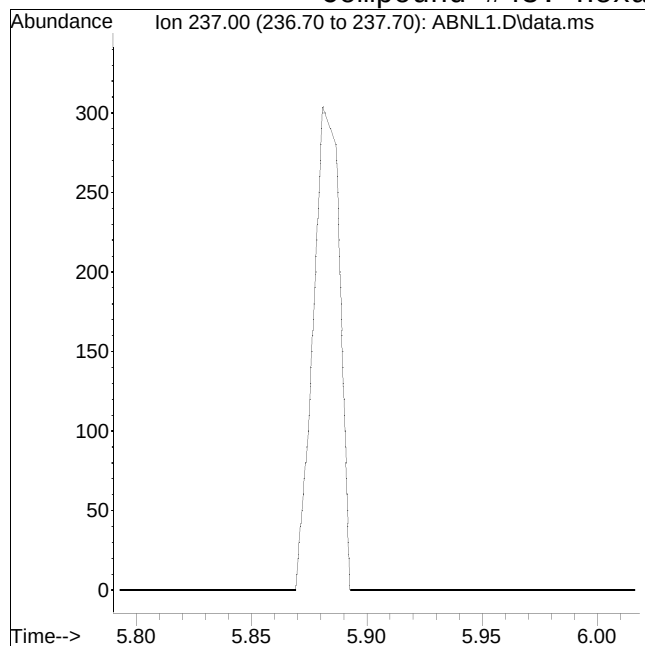
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #43: Hexachlorocyclopentadiene



Original Peak Response = 0

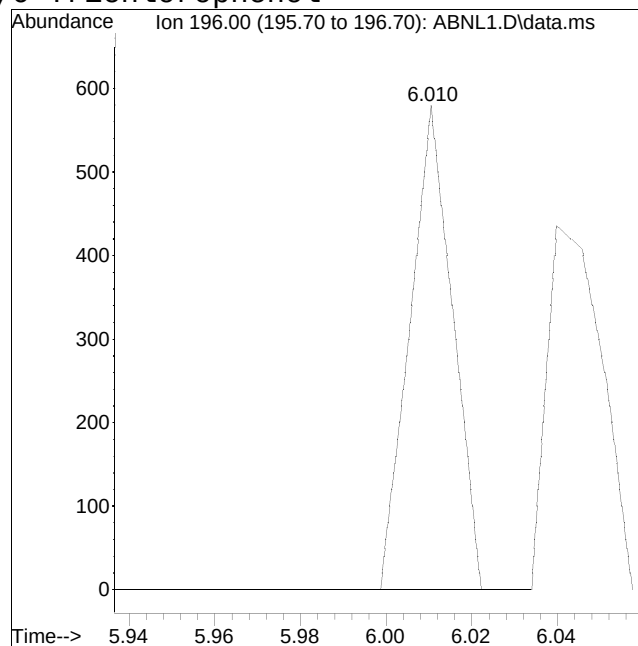
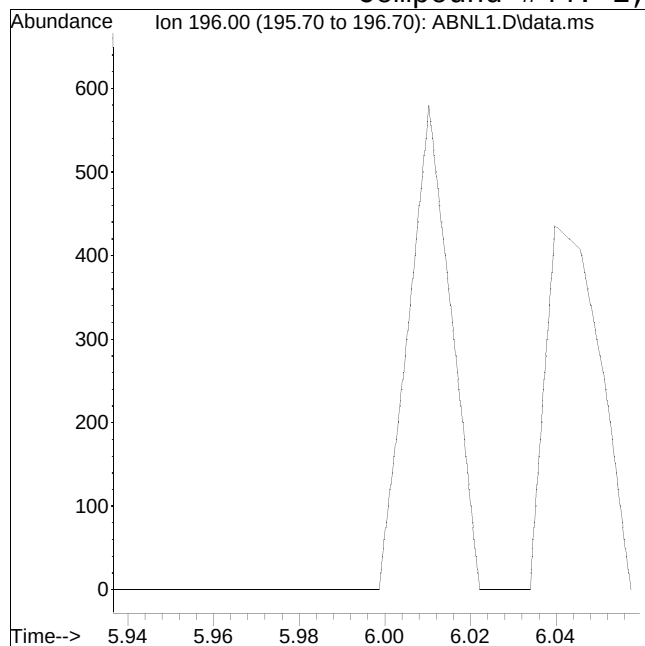
Manual Peak Response = 244 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #44: 2,4,6-Trichlorophenol



Original Peak Response = 0

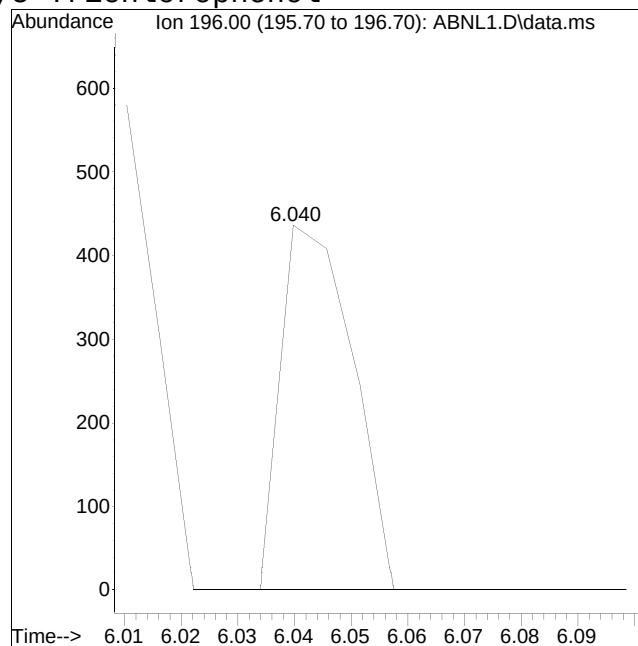
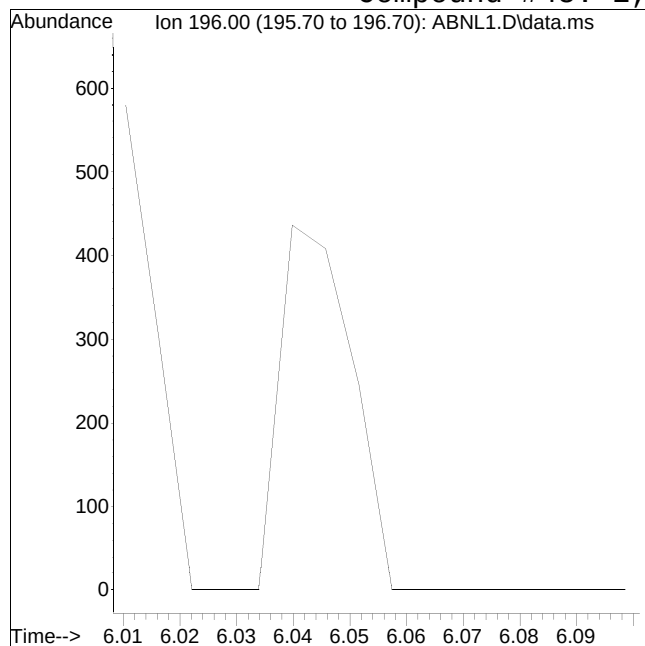
Manual Peak Response = 402 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 0

Manual Peak Response = 385 M2

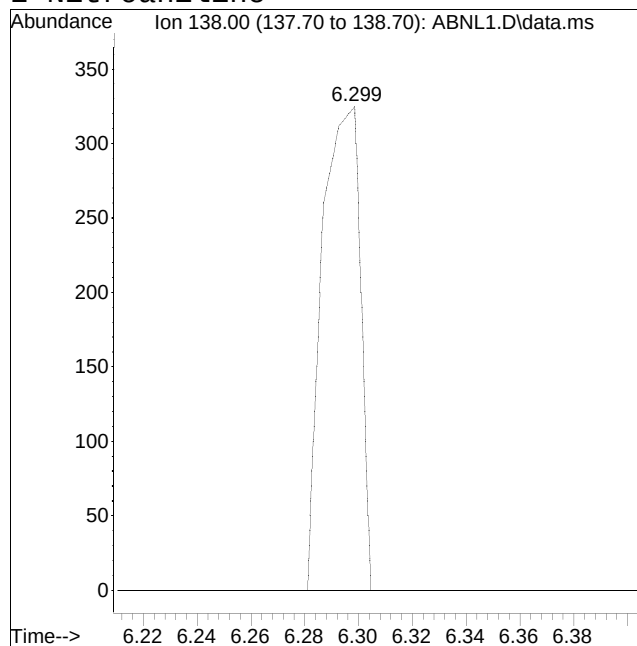
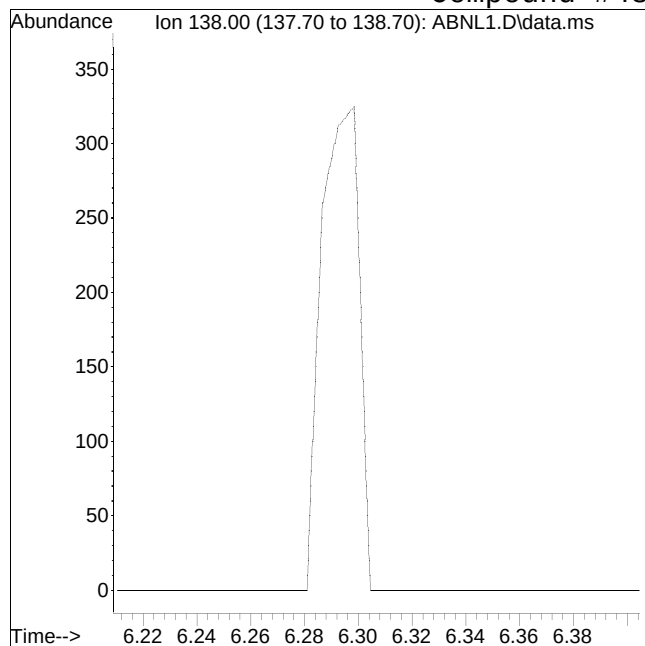
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #48: 2-Nitroaniline



Original Peak Response = 0

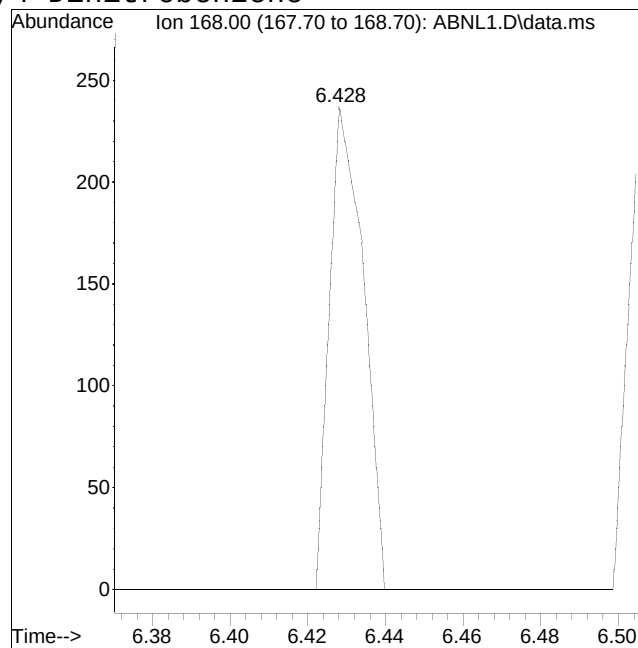
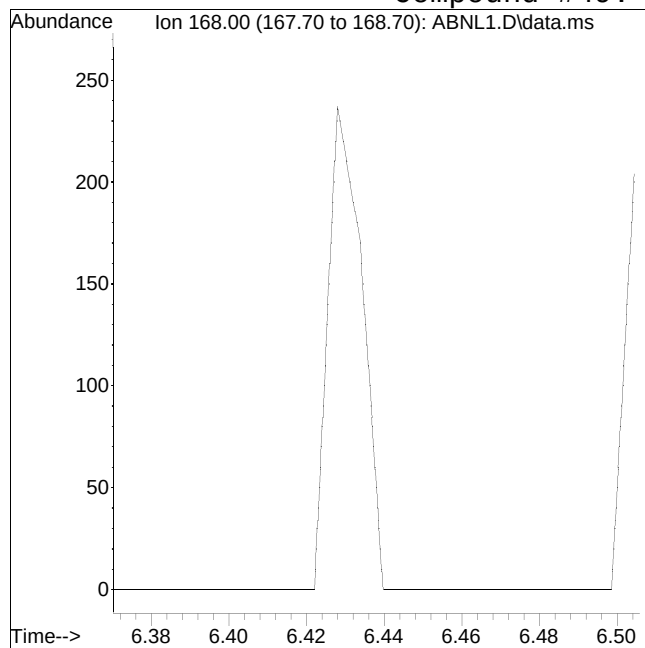
Manual Peak Response = 317 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 0

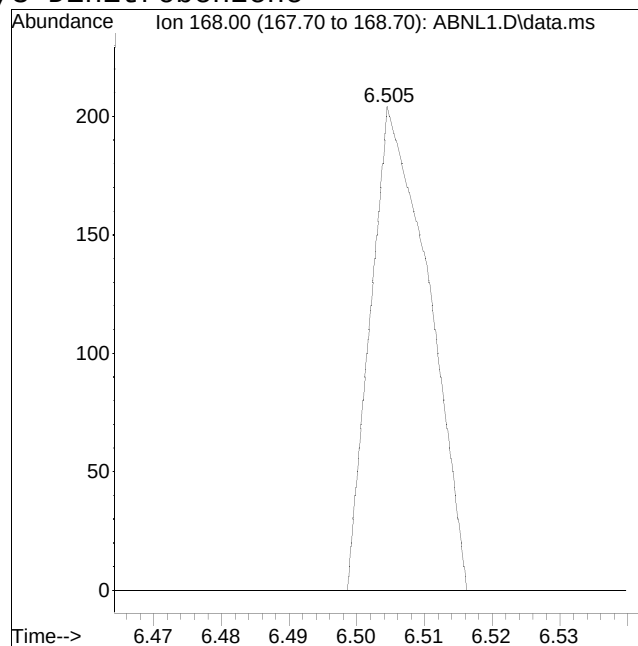
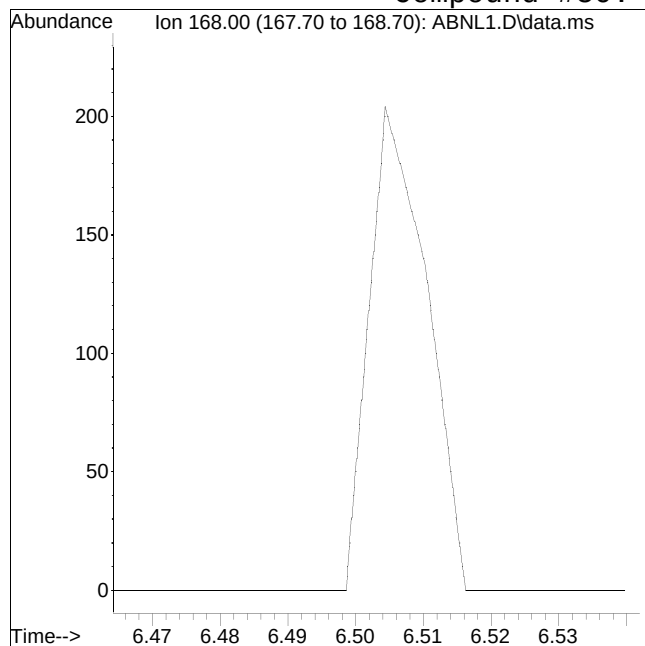
Manual Peak Response = 144 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0

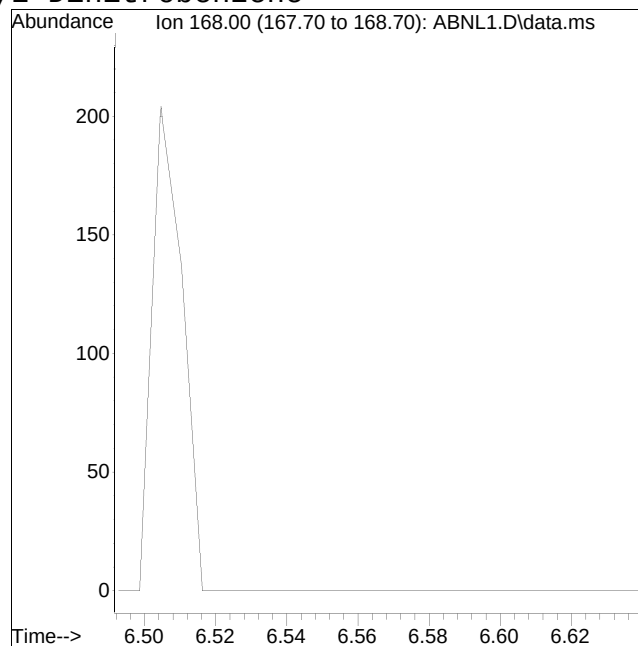
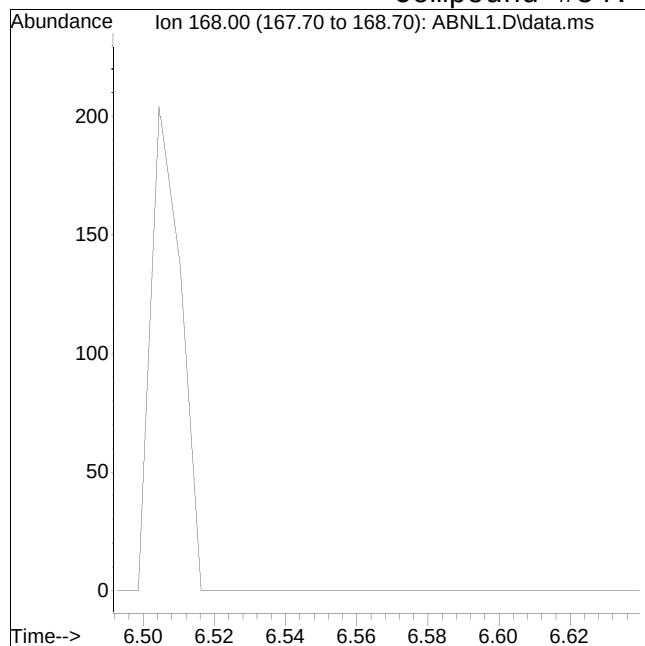
Manual Peak Response = 120 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0

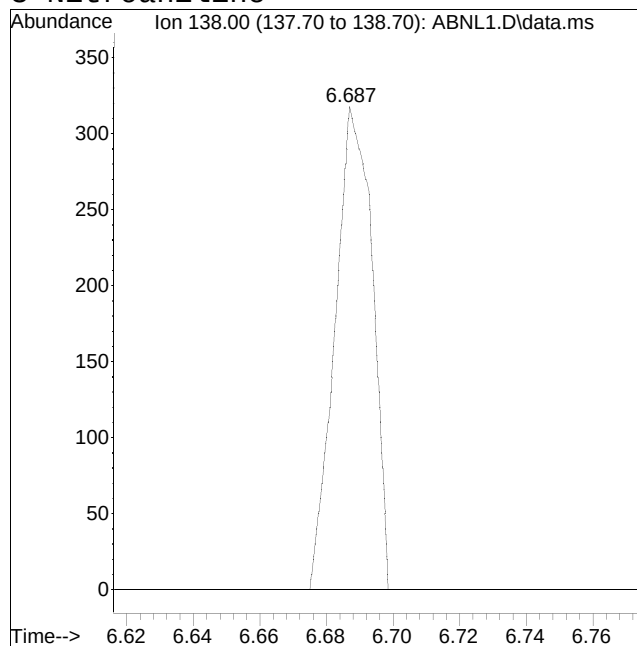
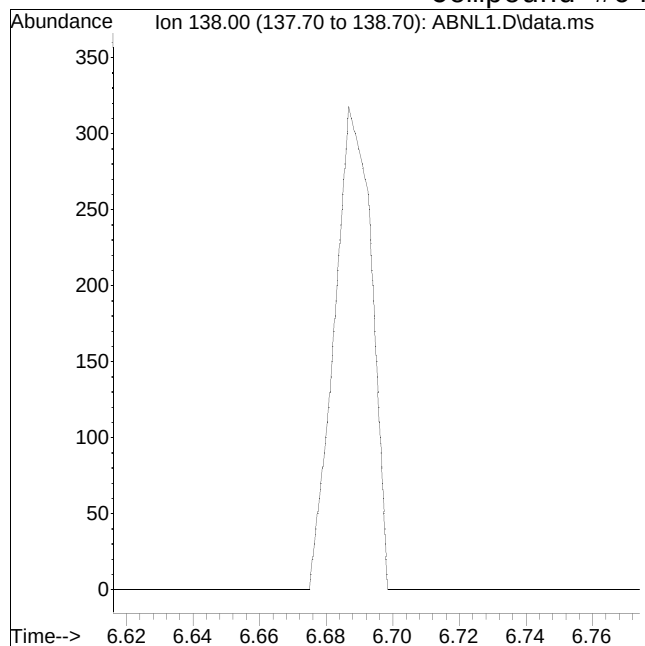
Manual Peak Response = 0 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #64: 3-Nitroaniline



Original Peak Response = 0

Manual Peak Response = 247 M2

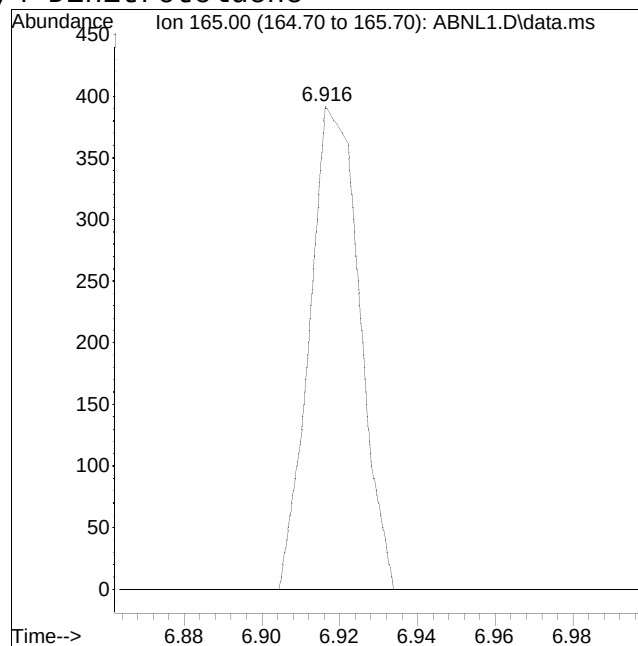
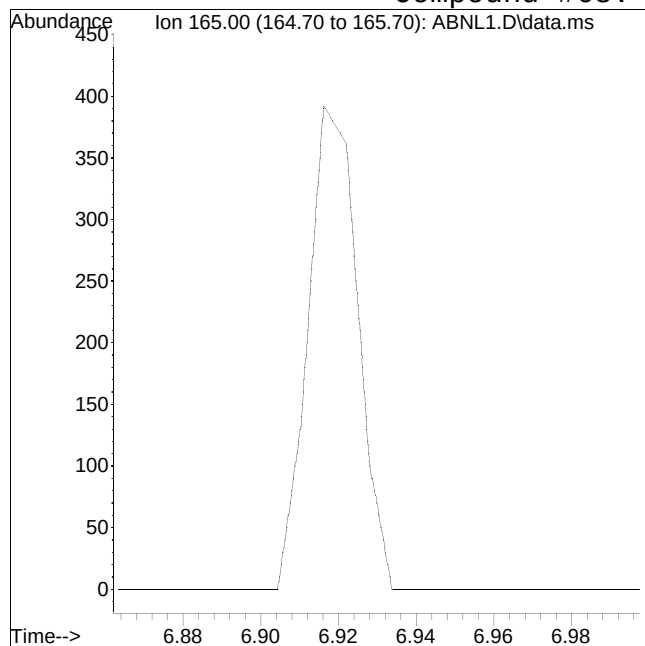
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #68: 2,4-Dinitrotoluene



Original Peak Response = 0

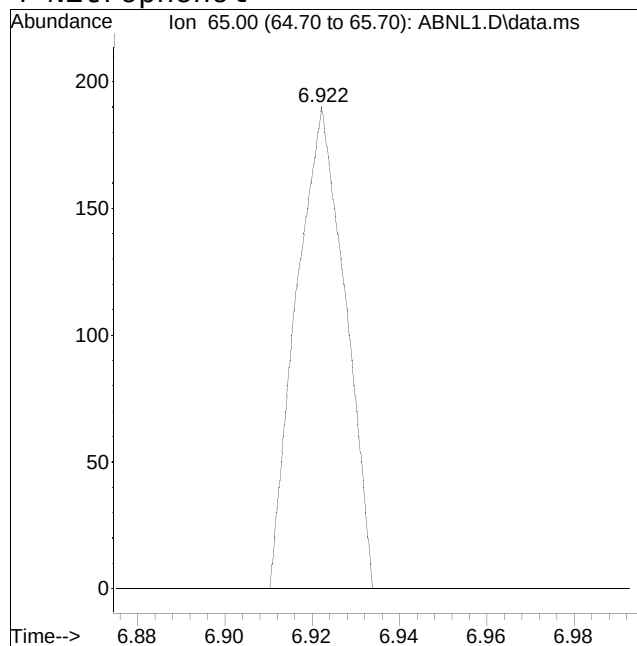
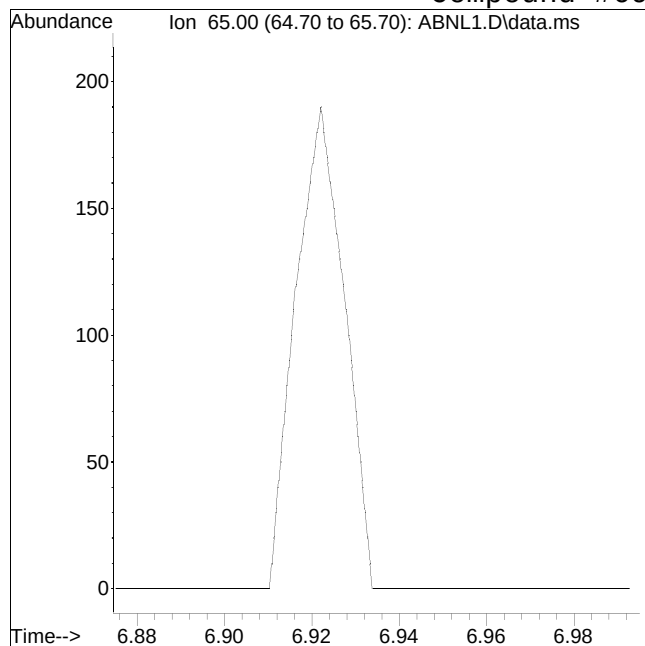
Manual Peak Response = 349 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #69: 4-Nitrophenol



Original Peak Response = 0

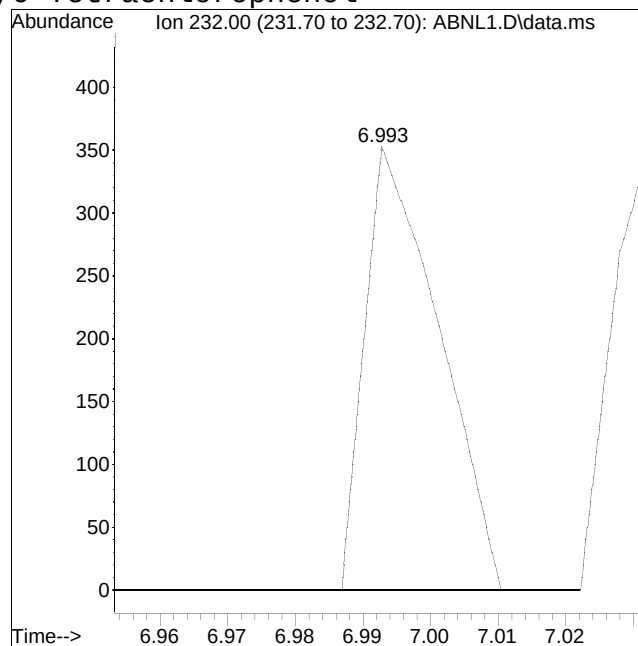
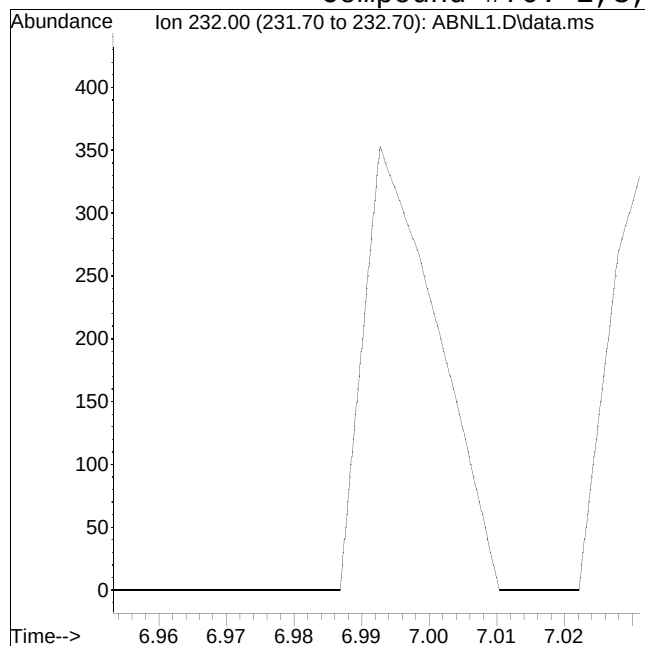
Manual Peak Response = 147 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #70: 2,3,5,6-Tetrachlorophenol



Original Peak Response = 0

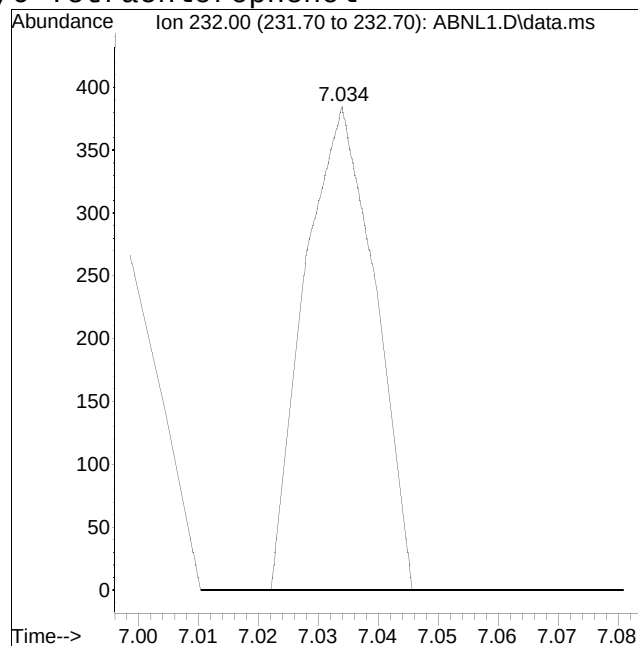
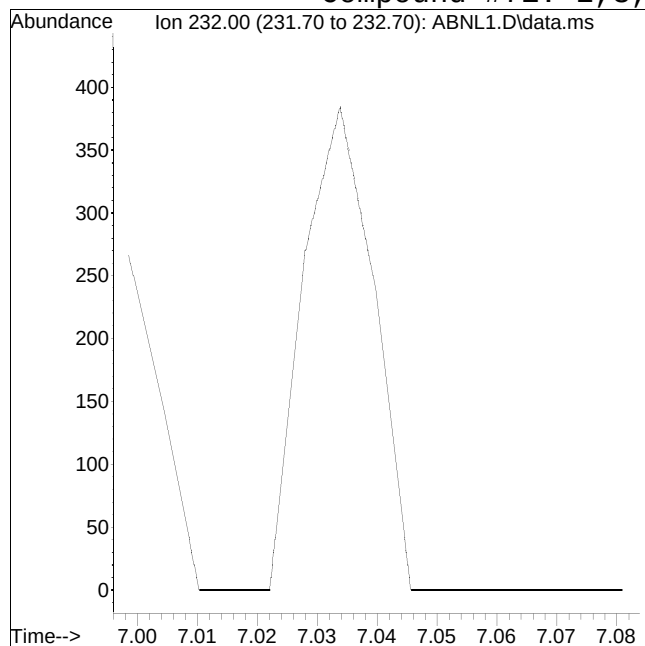
Manual Peak Response = 269 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #71: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 0

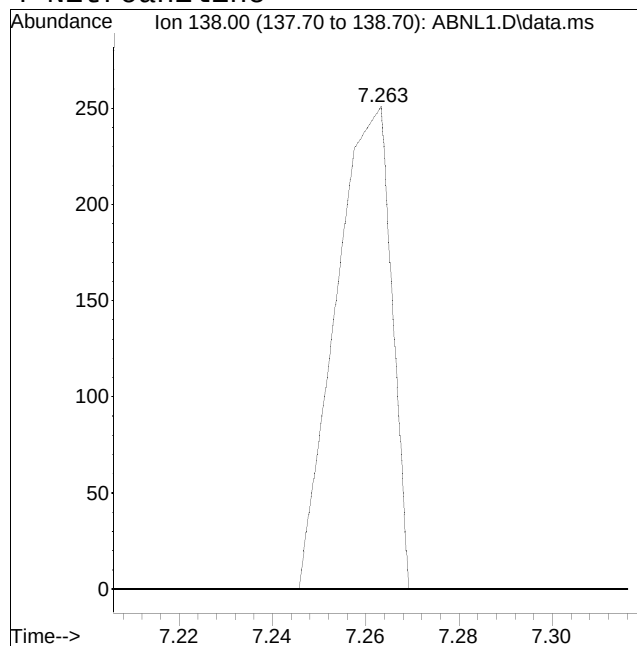
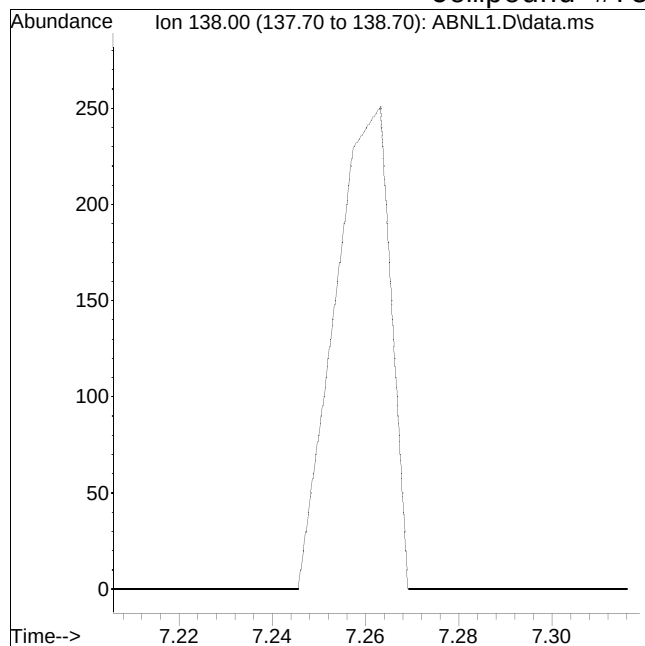
Manual Peak Response = 315 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #75: 4-Nitroaniline



Original Peak Response = 0

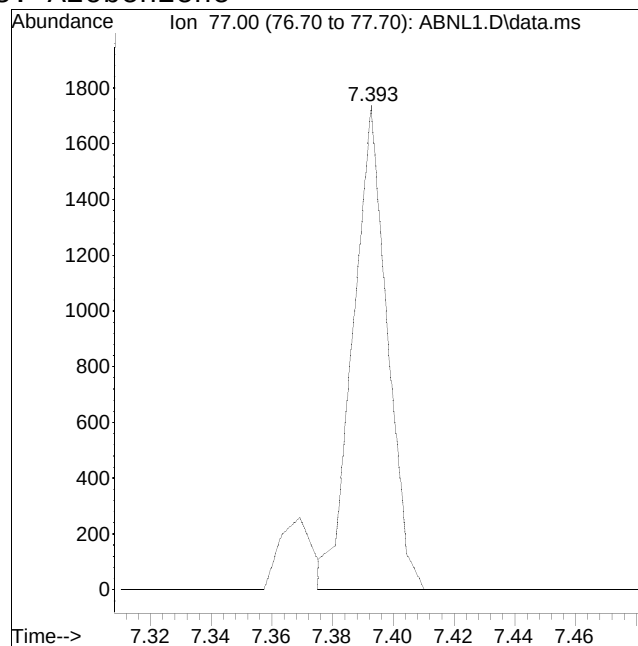
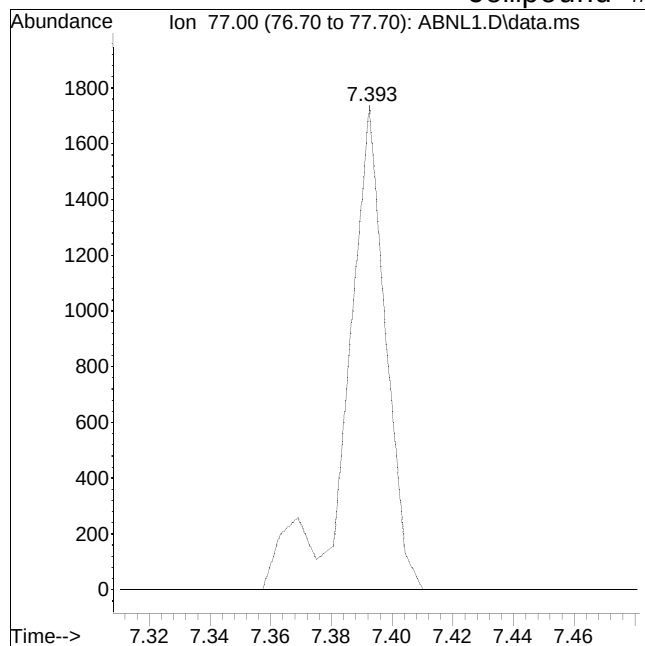
Manual Peak Response = 207 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #78: Azobenzene



Original Peak Response = 1547

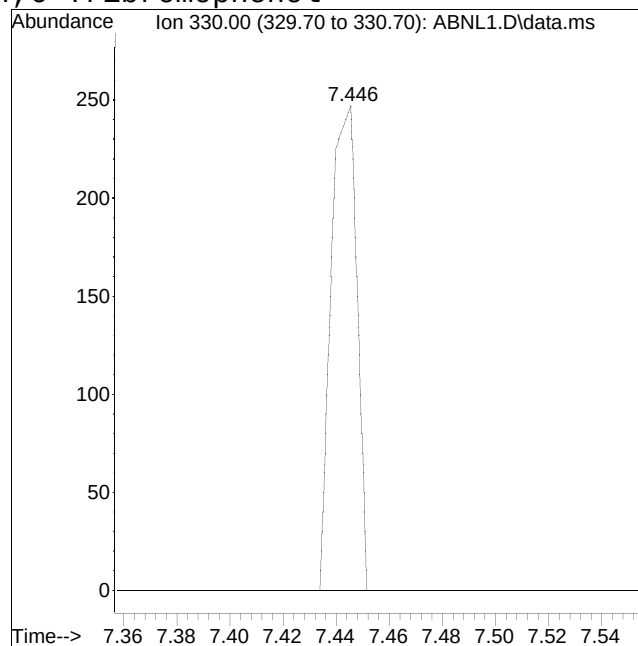
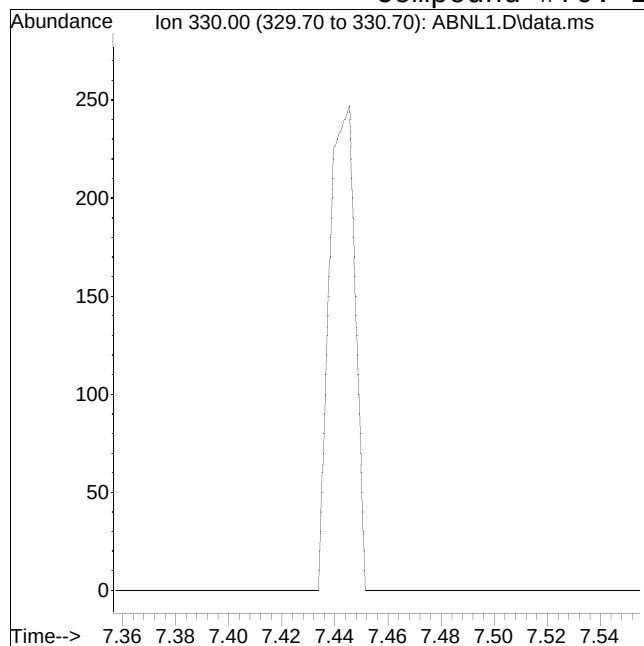
Manual Peak Response = 1347 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0

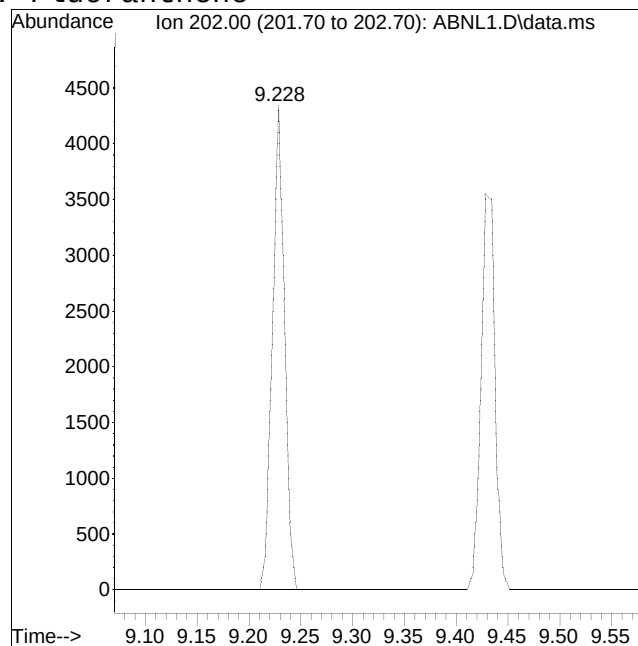
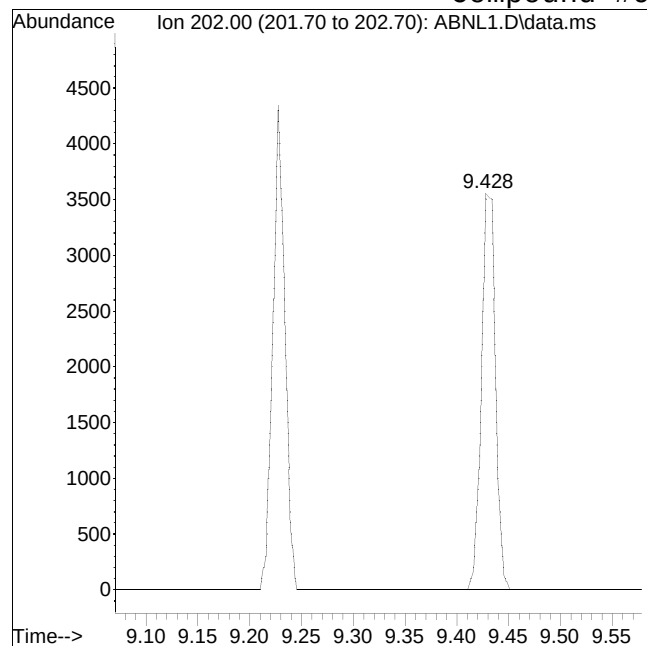
Manual Peak Response = 167 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data\Method : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 11870 Quant Date : 8/18/2025 5:13 am

Compound #93: Fluoranthene



Original Peak Response = 3354

Manual Peak Response = 3513 M3

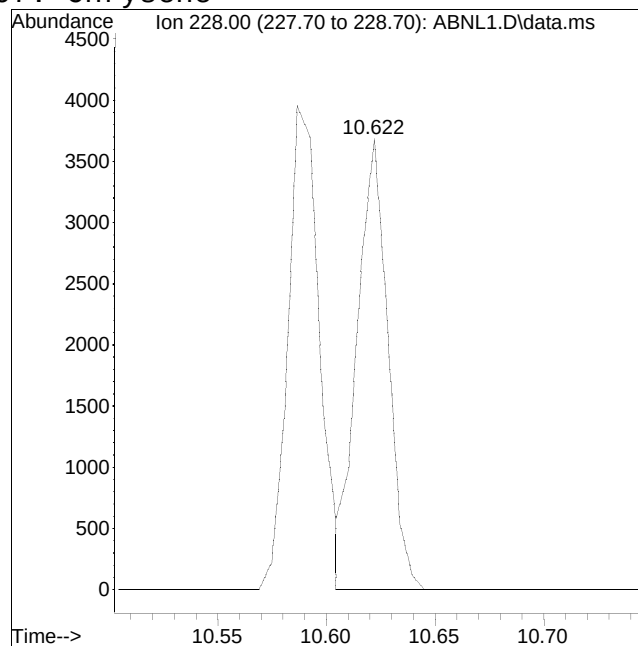
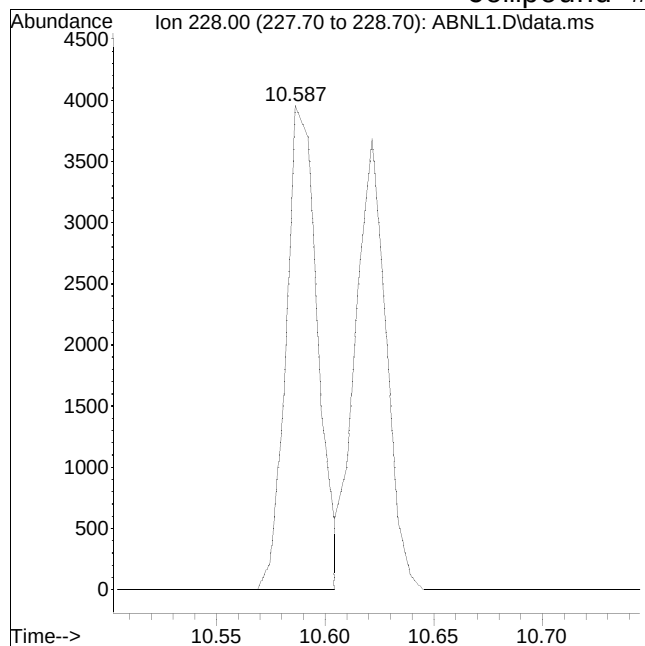
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #107: Chrysene



Original Peak Response = 4007

Manual Peak Response = 3613 M3

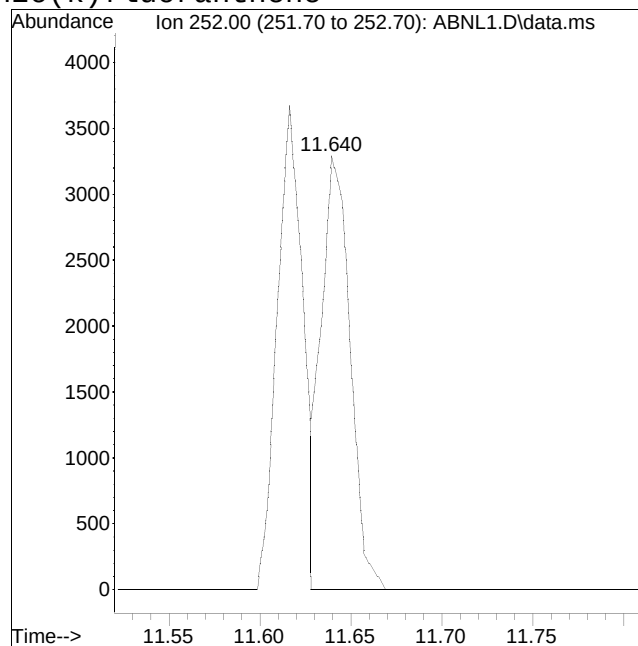
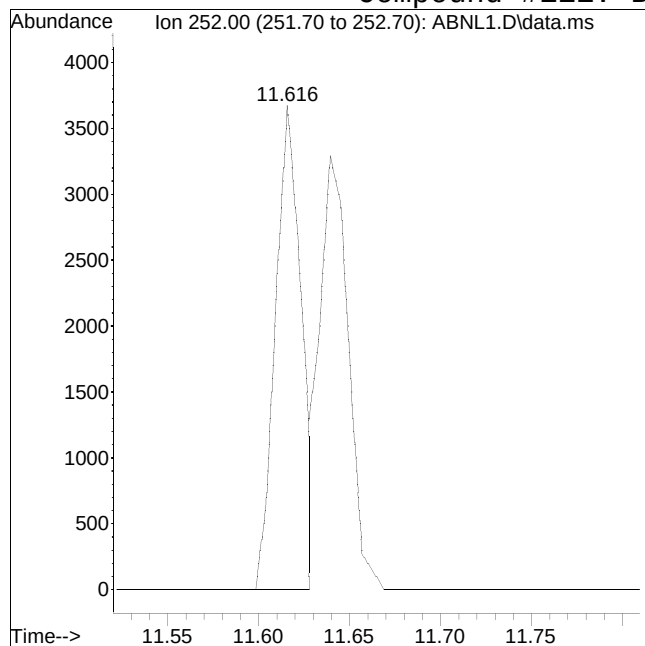
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 11870

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 3710

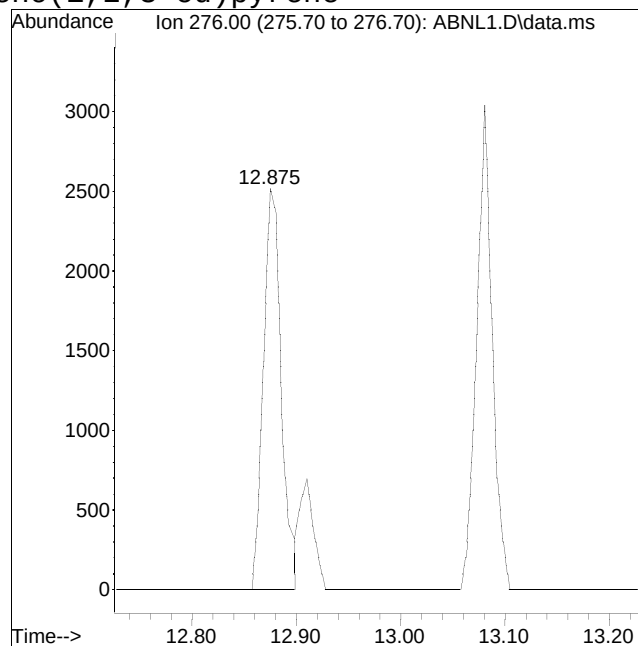
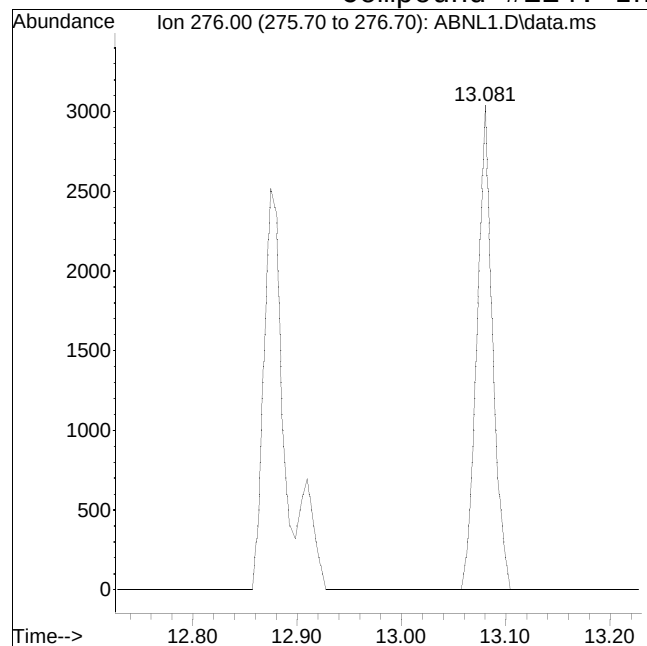
Manual Peak Response = 3551 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
 Data File : ABNL1.D
 Date Inj'd : 8/17/2025 9:27 pm
 Sample : IL10,32,,ABNL0.1 Lot# 1187
 Method : FS250817SV112RVT.m
 Operator : SV112:slr
 Instrument : SV112
 Quant Date : 8/18/2025 5:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 3157

Manual Peak Response = 3021 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L9.D
 Acq On : 17 Aug 2025 09:50 pm
 Operator : SV112:slr
 Sample : IL2,32,,AP9L50 Lot# 11836
 Misc : WG2104073,,ical
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 06:25:44 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:26:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	19331	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	86.86%		
55) IS2_Naphthalene-d8	5.011	136	81858	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	94.09%		
83) IS2_Acenaphthene-d10	6.687	164	55236	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	98.60%		
98) IS2_Phenanthrene-d10	8.087	188	122215	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery =	98.99%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.299	105	153192	53.529	ug/ml	97
29) Acetophenone	4.187	105	493760	51.803	ug/ml	95
30) m-Toluidine	4.281	106	338274	60.522	ug/ml	98
31) 2-Chloroaniline	4.634	127	421446	51.883	ug/ml	97
56) a-Terpineol	5.105	59	320341	52.870	ug/ml	100
57) 3-Chloroaniline	5.111	65	143274	54.267	ug/ml	83
58) 2,6-Dichlorophenol	5.134	162	317445	55.597	ug/ml	92
59) 1-chloro-2-nitrobenzene	5.381	111	153133	55.065	ug/ml	95
60) Caprolactam	5.463	55	214955	60.824	ug/ml	97
61) 1,2,4,5-Tetrachloroben...	5.881	216	424460	46.406	ug/ml	99
62) Biphenyl	6.175	154	861884	42.316	ug/ml	93
84) Dichloran	7.816	206	154619	64.393	ug/ml#	72
85) Pentachloronitrobenzene	7.952	237	161645	58.232	ug/ml#	82
99) Diphenamid	9.022	167	790373	52.626	ug/ml	88

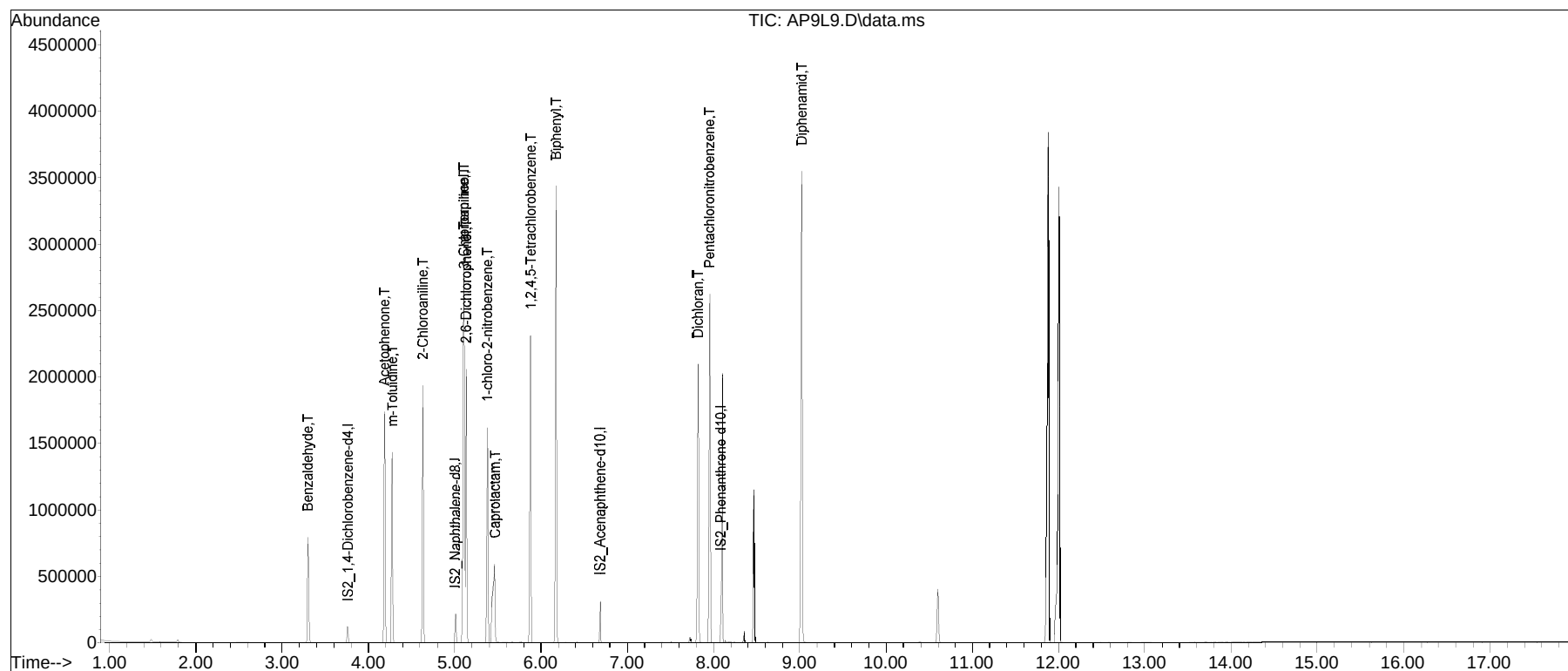
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L9.D
 Acq On : 17 Aug 2025 09:50 pm
 Operator : SV112:slr
 Sample : IL2,32,,AP9L50 Lot# 11836
 Misc : WG2104073,,ical
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 06:25:44 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:26:22 2025
 Response via : Initial Calibration

Sub List : ~~AP9L9.D~~ I:\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : AP9L9.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:50 pm Instrument : SV112
Sample : IL2,32,,AP9L50 Lot# 11836 Quant Date : 8/18/2025 6:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L8.D
 Acq On : 17 Aug 2025 10:13 pm
 Operator : SV112:slr
 Sample : IL3,32,,AP9L25 Lot# 11837
 Misc : WG2104073,,ical
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 18 06:25:17 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:25:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.758	152	19660	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	88.34%		
55) IS2_Naphthalene-d8	5.010	136	79670	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	91.58%		
83) IS2_Acenaphthene-d10	6.687	164	53253	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	95.06%		
98) IS2_Phenanthrene-d10	8.087	188	123425	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery =	99.97%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.299	105	72184	24.773	ug/ml	97
29) Acetophenone	4.187	105	239604	24.678	ug/ml	95
30) m-Toluidine	4.275	106	158284	28.494	ug/ml	97
31) 2-Chloroaniline	4.634	127	205669	24.881	ug/ml	98
56) a-Terpineol	5.099	59	155035	26.486	ug/ml	98
57) 3-Chloroaniline	5.110	65	68845	27.069	ug/ml	86
58) 2,6-Dichlorophenol	5.128	162	151274	27.572	ug/ml	93
59) 1-chloro-2-nitrobenzene	5.375	111	72086	26.884	ug/ml	96
60) Caprolactam	5.446	55	103125	31.012	ug/ml	95
61) 1,2,4,5-Tetrachloroben...	5.875	216	208815	23.252	ug/ml	97
62) Biphenyl	6.169	154	449204	22.361	ug/ml	97
84) Dichloran	7.816	206	70223	31.288	ug/ml#	73
85) Pentachloronitrobenzene	7.952	237	76922	29.371	ug/ml#	83
99) Diphenamid	9.016	167	404285	26.909	ug/ml	90

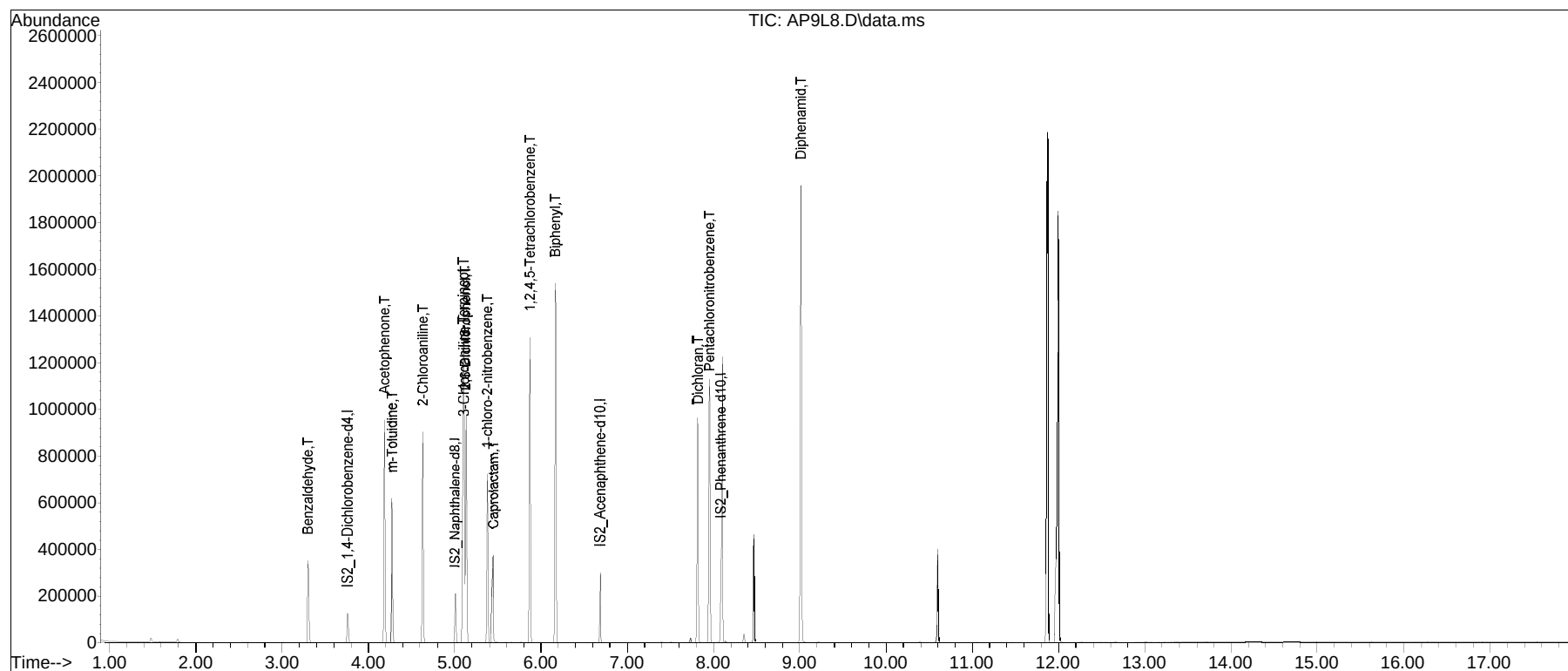
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L8.D
 Acq On : 17 Aug 2025 10:13 pm
 Operator : SV112:slr
 Sample : IL3,32,,AP9L25 Lot# 11837
 Misc : WG2104073,,ical
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 18 06:25:17 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:25:57 2025
 Response via : Initial Calibration

Sub List : AP9L8.D\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : AP9L8.D Operator : SV112:slr
Date Inj'd : 8/17/2025 10:13 pm Instrument : SV112
Sample : IL3,32,,AP9L25 Lot# 11837 Quant Date : 8/18/2025 6:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L7.D
 Acq On : 17 Aug 2025 10:35 pm
 Operator : SV112:slr
 Sample : IL4,32,,AP9L10 Lot# 11838
 Misc : WG2104073,,ical
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 06:24:48 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:25:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	18967	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	85.22%		
55) IS2_Naphthalene-d8	5.011	136	77407	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	88.98%		
83) IS2_Acenaphthene-d10	6.687	164	50458	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	90.07%		
98) IS2_Phenanthrene-d10	8.081	188	116292	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery =	94.19%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.305	105	28569	10.190	ug/ml	98
29) Acetophenone	4.187	105	92815	9.894	ug/ml	95
30) m-Toluidine	4.281	106	60151	11.578	ug/ml	97
31) 2-Chloroaniline	4.634	127	80174	10.062	ug/ml	99
56) a-Terpineol	5.099	59	58197	10.273	ug/ml	100
57) 3-Chloroaniline	5.105	65	26596	10.902	ug/ml	87
58) 2,6-Dichlorophenol	5.128	162	57156	10.853	ug/ml	92
59) 1-chloro-2-nitrobenzene	5.375	111	26835	10.353	ug/ml	96
60) Caprolactam	5.428	55	36988	11.790	ug/ml	94
61) 1,2,4,5-Tetrachloroben...	5.875	216	81554	9.246	ug/ml	96
62) Biphenyl	6.169	154	180488	9.133	ug/ml	98
84) Dichloran	7.810	206	24100	11.590	ug/ml#	74
85) Pentachloronitrobenzene	7.946	237	27878	11.470	ug/ml#	82
99) Diphenamid	9.016	167	153291	10.981	ug/ml	90

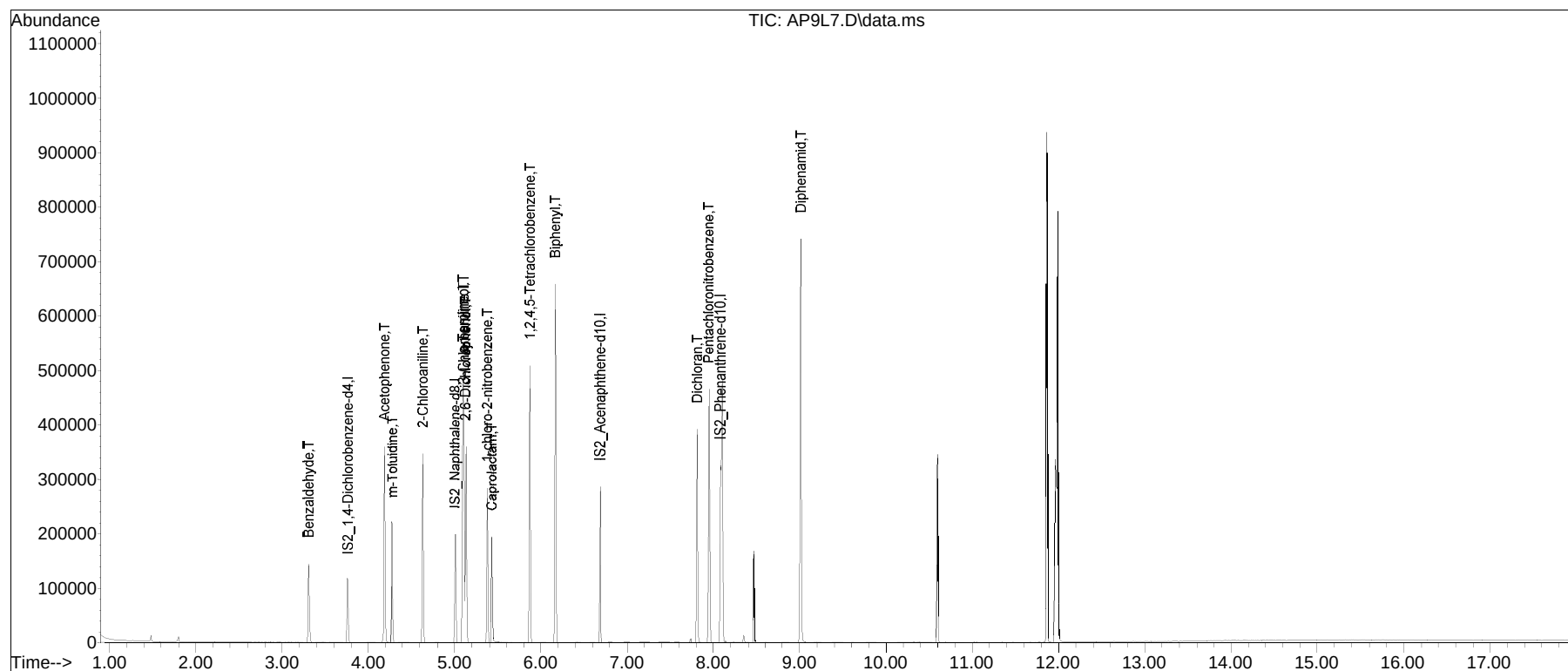
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L7.D
 Acq On : 17 Aug 2025 10:35 pm
 Operator : SV112:slr
 Sample : IL4,32,,AP9L10 Lot# 11838
 Misc : WG2104073,,ical
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 06:24:48 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:25:23 2025
 Response via : Initial Calibration

Sub List : ~~AP9L7.D~~ AP9L6.D



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : AP9L7.D Operator : SV112:slr
Date Inj'd : 8/17/2025 10:35 pm Instrument : SV112
Sample : IL4,32,,AP9L10 Lot# 11838 Quant Date : 8/18/2025 6:25 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L6.D
 Acq On : 17 Aug 2025 10:58 pm
 Operator : SV112:slr
 Sample : IL5,32,,AP9L5 Lot# 11839
 Misc : WG2104073,,ical
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 06:18:56 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.763	152	22256	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery	=	100.00%	
55) IS2_Naphthalene-d8	5.010	136	86996	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery	=	100.00%	
83) IS2_Acenaphthene-d10	6.687	164	56018	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery	=	100.00%	
98) IS2_Phenanthrene-d10	8.081	188	123466	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.305	105	15638	4.742	ug/ml	94
29) Acetophenone	4.187	105	52414	4.718	ug/ml	94
30) m-Toluidine	4.281	106	33109	5.445	ug/ml	96
31) 2-Chloroaniline	4.634	127	45580	4.821	ug/ml	99
56) a-Terpineol	5.093	59	31631	4.962	ug/ml	100
57) 3-Chloroaniline	5.105	65	14806	5.447	ug/ml	87
58) 2,6-Dichlorophenol	5.128	162	31424	5.331	ug/ml	93
59) 1-chloro-2-nitrobenzene	5.375	111	14767	5.059	ug/ml	98
60) Caprolactam	5.422	55	18904	5.400	ug/ml	93
61) 1,2,4,5-Tetrachloroben...	5.875	216	46161	4.611	ug/ml	95
62) Biphenyl	6.169	154	101576	4.503	ug/ml	99
84) Dichloran	7.810	206	11723	5.066	ug/ml#	74
85) Pentachloronitrobenzene	7.946	237	13563	4.991	ug/ml#	83
99) Diphenamid	9.016	167	75134	5.082	ug/ml	91

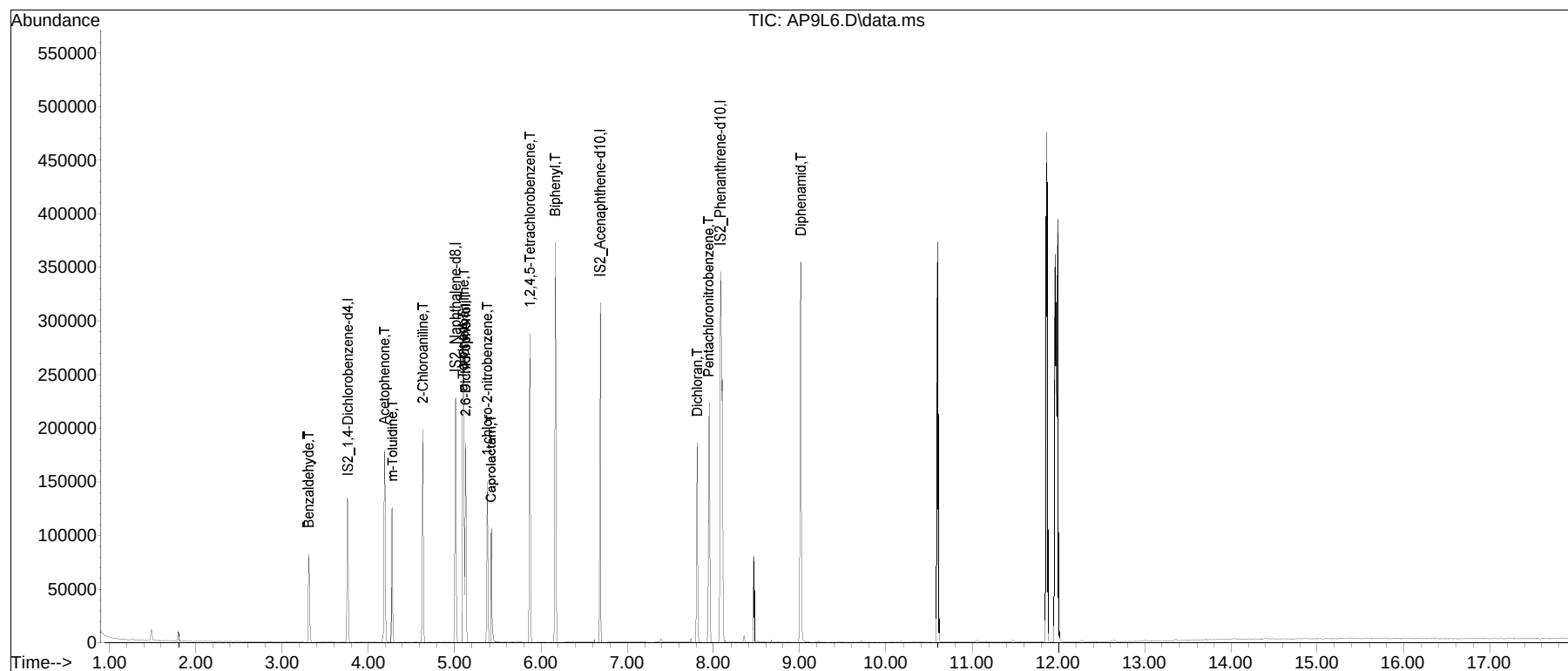
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L6.D
 Acq On : 17 Aug 2025 10:58 pm
 Operator : SV112:slr
 Sample : IL5,32,,AP9L5 Lot# 11839
 Misc : WG2104073,,ical
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 06:18:56 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

Sub List : ~~AP9L6.D~~ I:\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : AP9L6.D Operator : SV112:slr
Date Inj'd : 8/17/2025 10:58 pm Instrument : SV112
Sample : IL5,32,,AP9L5 Lot# 11839 Quant Date : 8/18/2025 6:19 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L5.D
 Acq On : 17 Aug 2025 11:20 pm
 Operator : SV112:slr
 Sample : IL6,32,,AP9L2.5 Lot# 11840
 Misc : WG2104073,,ical
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 06:18:47 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.763	152	19963	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	89.70%		
55) IS2_Naphthalene-d8	5.010	136	77703	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	89.32%		
83) IS2_Acenaphthene-d10	6.687	164	50040	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	89.33%		
98) IS2_Phenanthrene-d10	8.081	188	113009	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery =	91.53%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.310	105	7285	2.463	ug/ml	99
29) Acetophenone	4.193	105	23538	2.362	ug/ml	92
30) m-Toluidine	4.281	106	13776	2.526	ug/ml	96
31) 2-Chloroaniline	4.634	127	19786	2.333	ug/ml	98
56) a-Terpineol	5.093	59	14137	2.483	ug/ml	99
57) 3-Chloroaniline	5.104	65	6386	2.630	ug/ml	92
58) 2,6-Dichlorophenol	5.128	162	13486	2.561	ug/ml	93
59) 1-chloro-2-nitrobenzene	5.375	111	6439	2.470	ug/ml	96
60) Caprolactam	5.422	55	8099	2.590	ug/ml	92
61) 1,2,4,5-Tetrachloroben...	5.875	216	21034	2.352	ug/ml	97
62) Biphenyl	6.169	154	45702	2.268	ug/ml	97
84) Dichloran	7.810	206	5091	2.463	ug/ml#	74
85) Pentachloronitrobenzene	7.945	237	5811	2.394	ug/ml#	84
99) Diphenamid	9.016	167	34337	2.537	ug/ml	90

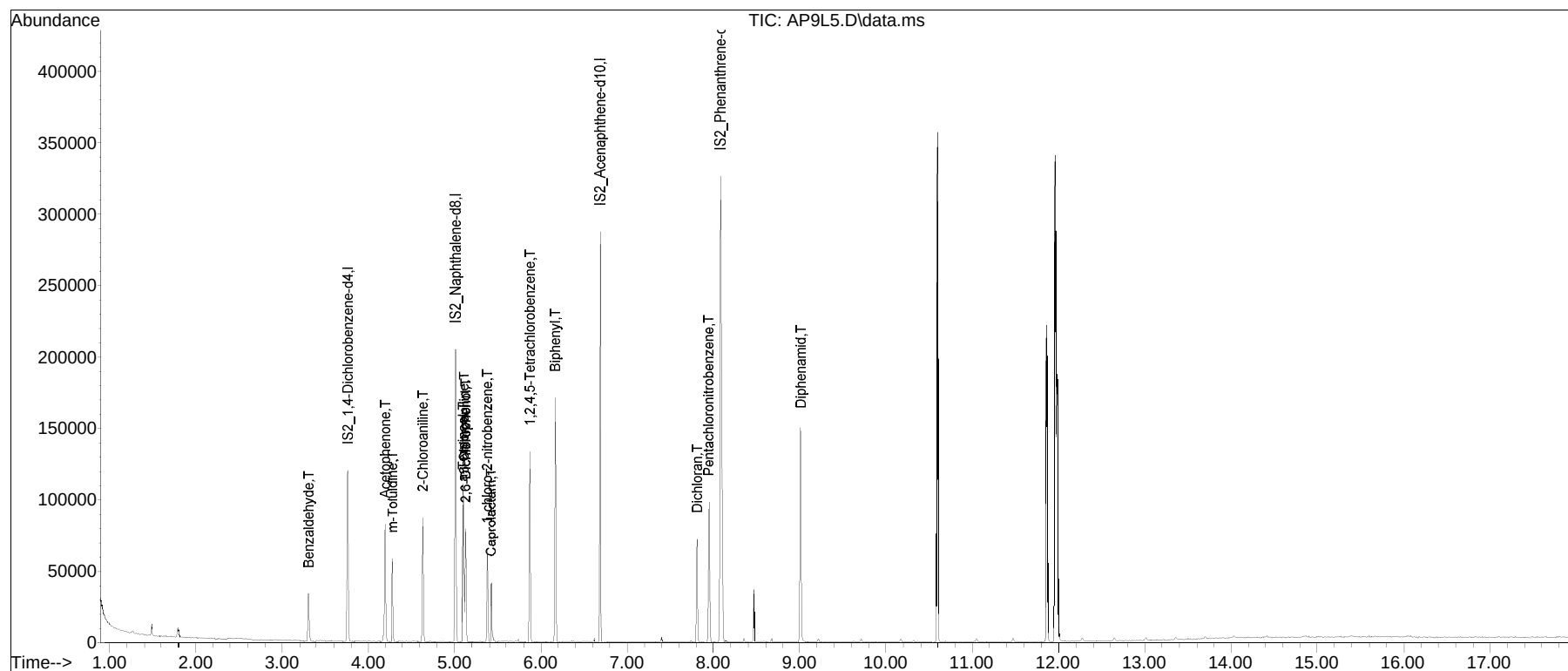
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L5.D
 Acq On : 17 Aug 2025 11:20 pm
 Operator : SV112:slr
 Sample : IL6,32,,AP9L2.5 Lot# 11840
 Misc : WG2104073,,ical
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 06:18:47 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

Sub List : ~~AP9L5.D~~ 8270\AP9L5.D\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : AP9L5.D Operator : SV112:slr
Date Inj'd : 8/17/2025 11:20 pm Instrument : SV112
Sample : IL6,32,,AP9L2.5 Lot# 11840 Quant Date : 8/18/2025 6:19 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L4.D
 Acq On : 17 Aug 2025 11:43 pm
 Operator : SV112:slr
 Sample : IL7,32,,AP9L1 Lot# 11841
 Misc : WG2104073,,ical
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 06:18:37 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.763	152	21008	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	94.39%		
55) IS2_Naphthalene-d8	5.010	136	83460	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	95.94%		
83) IS2_Acenaphthene-d10	6.687	164	53020	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	94.65%		
98) IS2_Phenanthrene-d10	8.081	188	124339	4.000	ug/ml	# 0.00
Standard Area 3 = 123466			Recovery =	100.71%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.311	105	3087	0.992	ug/ml	91
29) Acetophenone	4.193	105	10270	0.979	ug/ml#	89
30) m-Toluidine	4.281	106	5556	0.968	ug/ml	99
31) 2-Chloroaniline	4.634	127	8968	1.005	ug/ml	99
56) a-Terpineol	5.099	59	6192	1.013	ug/ml	99
57) 3-Chloroaniline	5.105	65	2808	1.077	ug/ml	94
58) 2,6-Dichlorophenol	5.128	162	5779	1.022	ug/ml	92
59) 1-chloro-2-nitrobenzene	5.375	111	2872	1.026	ug/ml	95
60) Caprolactam	5.422	55	3585	1.067	ug/ml	87
61) 1,2,4,5-Tetrachloroben...	5.875	216	9695	1.009	ug/ml	98
62) Biphenyl	6.169	154	21059	0.973	ug/ml	98
84) Dichloran	7.810	206	2264	1.034	ug/ml#	74
85) Pentachloronitrobenzene	7.946	237	2566	0.998	ug/ml#	86
99) Diphenamid	9.016	167	14472	0.972	ug/ml	89

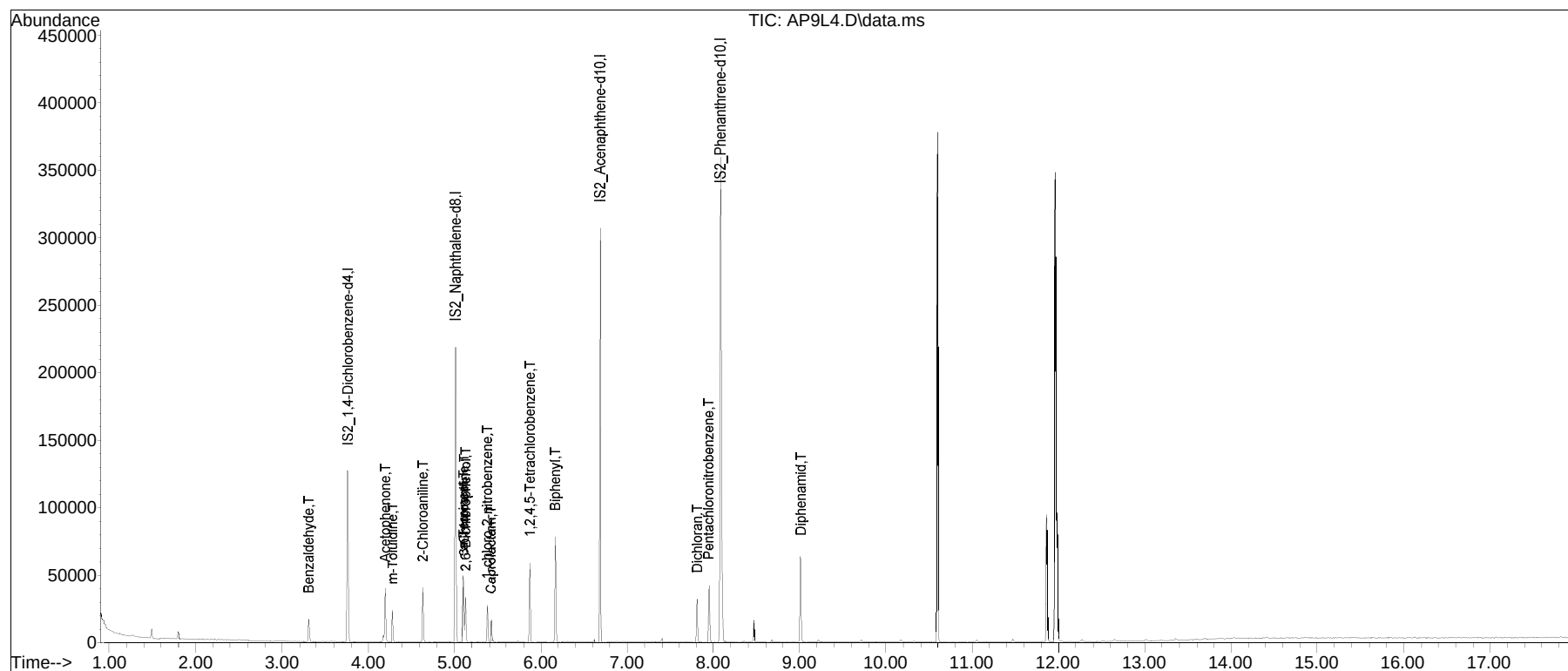
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L4.D
 Acq On : 17 Aug 2025 11:43 pm
 Operator : SV112:slr
 Sample : IL7,32,,AP9L1 Lot# 11841
 Misc : WG2104073,,ical
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 06:18:37 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

Sub List : ~~AP9L4\8270\AP9L1\250817RVTical\AP9L6.D~~



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : AP9L4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 11:43 pm Instrument : SV112
Sample : IL7,32,,AP9L1 Lot# 11841 Quant Date : 8/18/2025 6:19 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L3.D
 Acq On : 18 Aug 2025 12:05 am
 Operator : SV112:slr
 Sample : IL8,32,,AP9L0.5 Lot# 11842
 Misc : WG2104073,,ical
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 06:18:27 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.763	152	21187	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	95.20%		
55) IS2_Naphthalene-d8	5.010	136	83932	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	96.48%		
83) IS2_Acenaphthene-d10	6.687	164	53689	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	95.84%		
98) IS2_Phenanthrene-d10	8.081	188	120954	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery =	97.97%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.310	105	1853	0.590	ug/ml	100
29) Acetophenone	4.193	105	5914	0.559	ug/ml#	86
30) m-Toluidine	4.281	106	2729	0.471	ug/ml#	92
31) 2-Chloroaniline	4.634	127	5174	0.575	ug/ml	99
56) a-Terpineol	5.099	59	3475	0.565	ug/ml	95
57) 3-Chloroaniline	5.104	65	1695	0.646	ug/ml	84
58) 2,6-Dichlorophenol	5.128	162	3098	0.545	ug/ml#	88
59) 1-chloro-2-nitrobenzene	5.375	111	1519	0.539	ug/ml	93
60) Caprolactam	5.428	55	1920	0.568	ug/ml	90
61) 1,2,4,5-Tetrachloroben...	5.875	216	5693	0.589	ug/ml#	90
62) Biphenyl	6.169	154	12817	0.589	ug/ml	99
84) Dichloran	7.810	206	1346	0.607	ug/ml#	69
85) Pentachloronitrobenzene	7.945	237	1465	0.562	ug/ml#	82
99) Diphenamid	9.016	167	8269	0.571	ug/ml	90

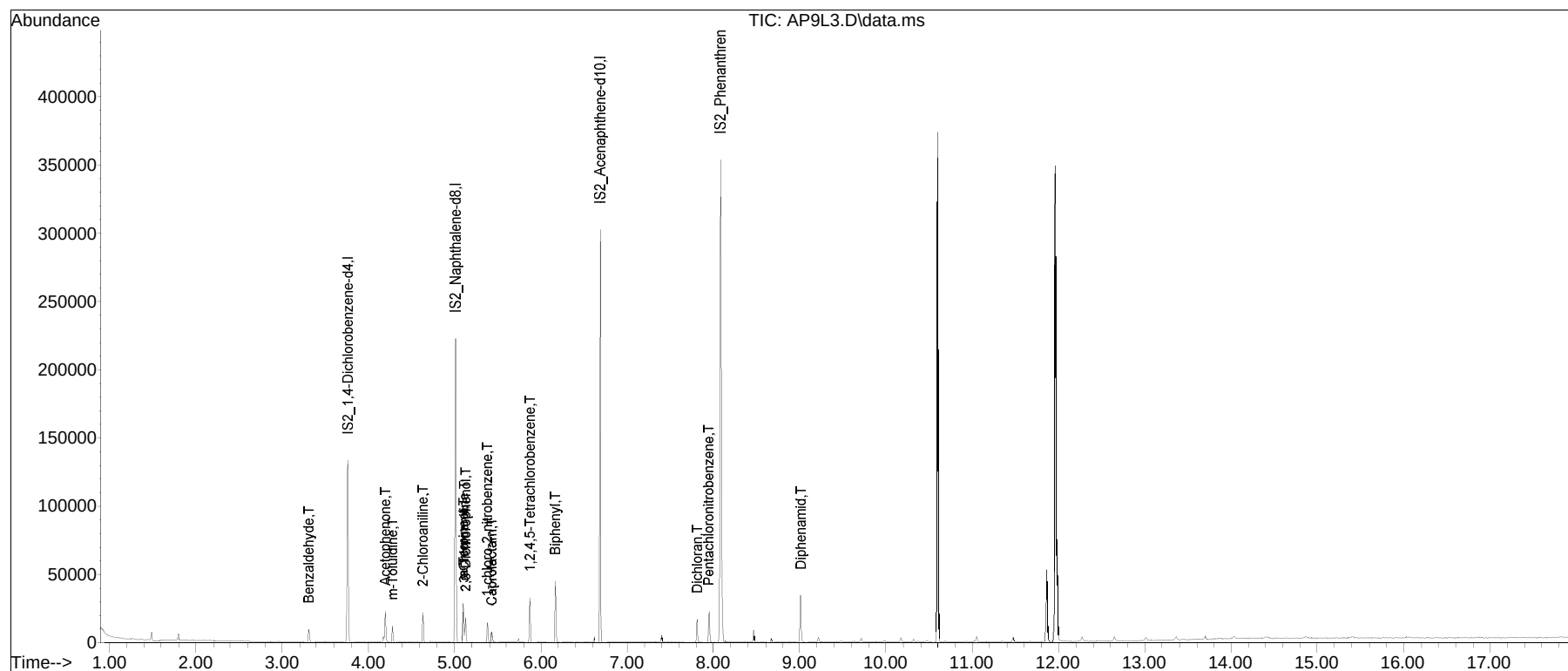
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L3.D
 Acq On : 18 Aug 2025 12:05 am
 Operator : SV112:slr
 Sample : IL8,32,,AP9L0.5 Lot# 11842
 Misc : WG2104073,,ical
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 06:18:27 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

Sub List : ~~AP9L3.D~~ 8270\AP9L3.D\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicaQMethod : FS250817SV112RVT.m
Data File : AP9L3.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:05 am Instrument : SV112
Sample : IL8,32,,AP9L0.5 Lot# 11842Quant Date : 8/18/2025 6:19 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L2.D
 Acq On : 18 Aug 2025 12:28 am
 Operator : SV112:slr
 Sample : IL9,32,,AP9L0.2 Lot# 11843
 Misc : WG2104073,,ical
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 06:18:19 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	20519	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	92.20%		
55) IS2_Naphthalene-d8	5.011	136	80580	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	92.62%		
83) IS2_Acenaphthene-d10	6.687	164	52333	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	93.42%		
98) IS2_Phenanthrene-d10	8.081	188	117303	4.000	ug/ml	# 0.00
Standard Area 3 = 123466			Recovery =	95.01%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.317	105	647	0.213	ug/ml	97
29) Acetophenone	4.193	105	2137	0.209	ug/ml#	78
30) m-Toluidine	4.281	106	324M2	0.058	ug/ml	
31) 2-Chloroaniline	4.634	127	1739	0.200	ug/ml#	46
56) a-Terpineol	5.099	59	1185	0.201	ug/ml#	84
57) 3-Chloroaniline	5.105	65	514	0.204	ug/ml#	72
58) 2,6-Dichlorophenol	5.128	162	1082	0.198	ug/ml	94
59) 1-chloro-2-nitrobenzene	5.375	111	628	0.232	ug/ml#	60
60) Caprolactam	5.434	55	464M2	0.143	ug/ml	
61) 1,2,4,5-Tetrachloroben...	5.875	216	1955	0.211	ug/ml#	87
62) Biphenyl	6.169	154	4438	0.212	ug/ml	95
84) Dichloran	7.810	206	446M2	0.206	ug/ml	
85) Pentachloronitrobenzene	7.946	237	525	0.207	ug/ml#	9
99) Diphenamid	9.010	167	2827	0.201	ug/ml	92

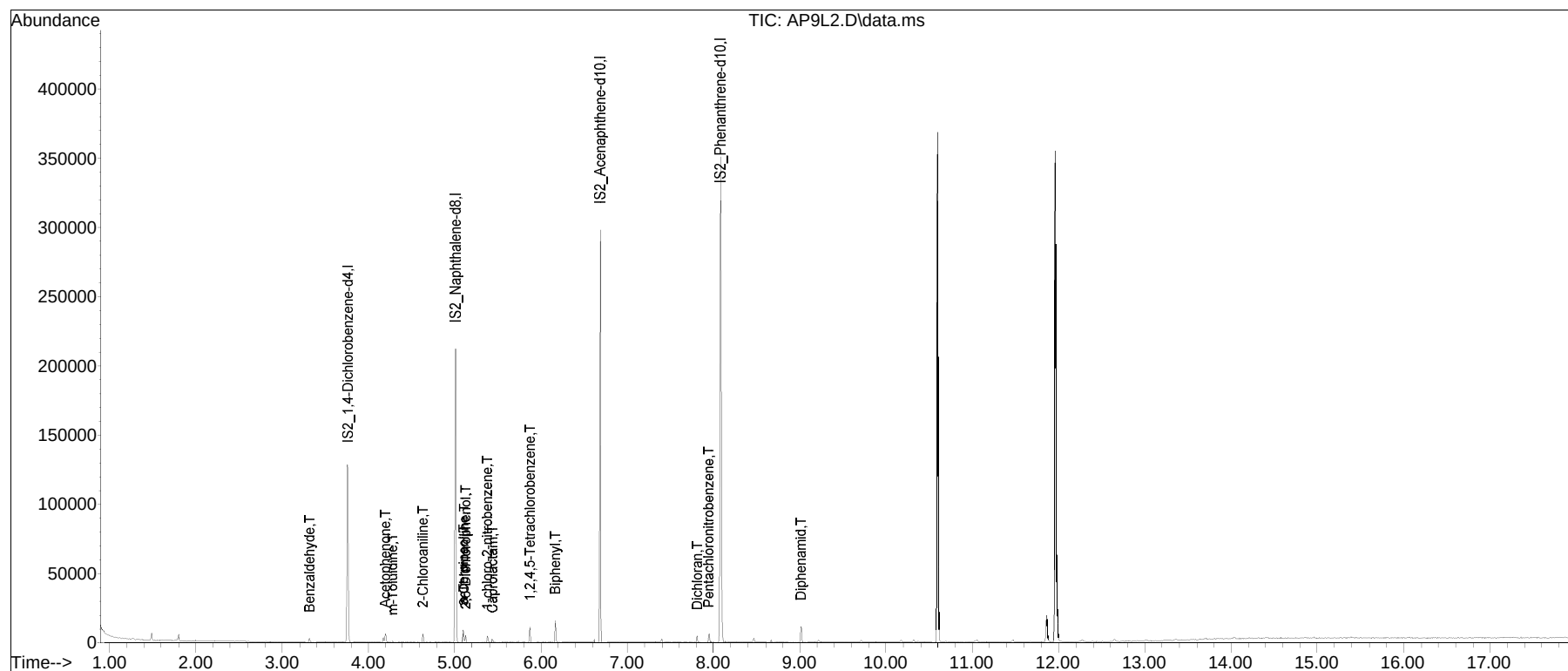
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L2.D
 Acq On : 18 Aug 2025 12:28 am
 Operator : SV112:slr
 Sample : IL9,32,,AP9L0.2 Lot# 11843
 Misc : WG2104073,,ical
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 06:18:19 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

Sub List : ~~AP9L2.D~~ 8270\AP9L2.D\250817RVTical\AP9L6.D•

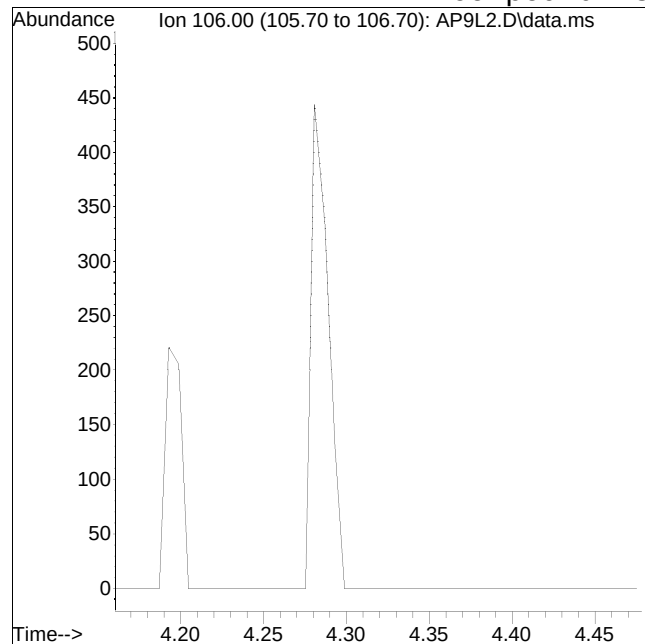


Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L2.D
Date Inj'd : 8/18/2025 12:28 am
Sample : IL9,32,,AP9L0.2 Lot# 11843

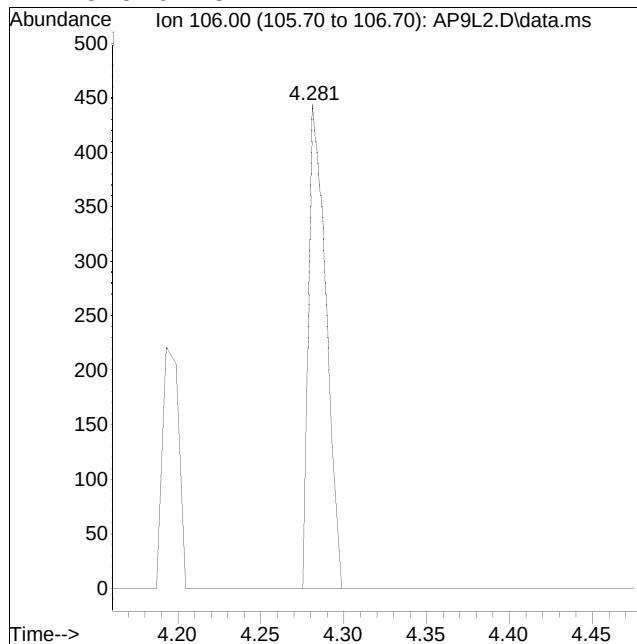
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:19 am

Compound #30: m-Toluidine



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.



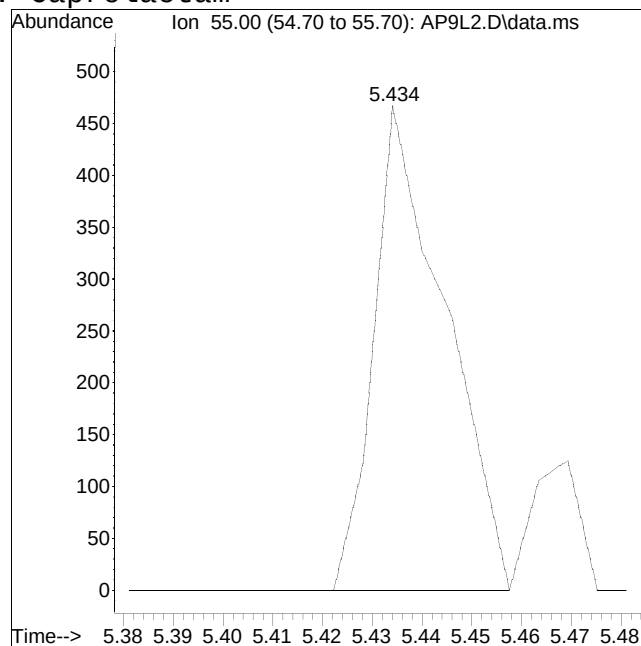
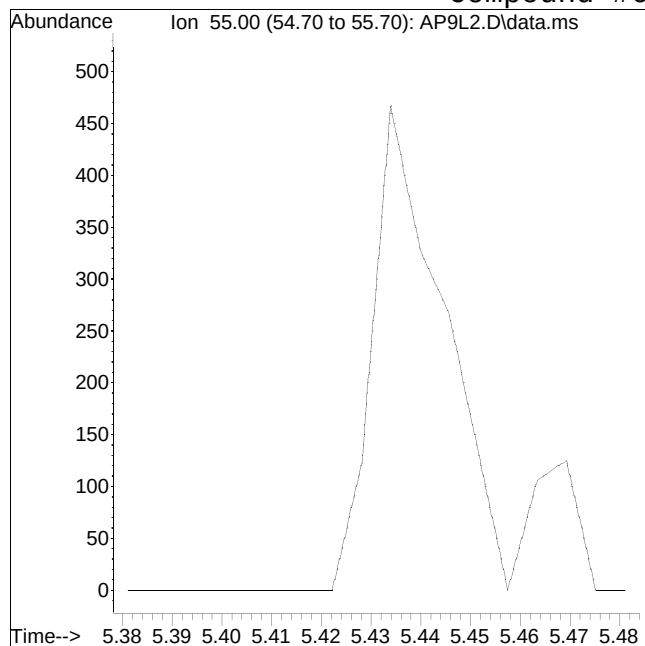
Manual Peak Response = 324 M2

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L2.D
Date Inj'd : 8/18/2025 12:28 am
Sample : IL9,32,,AP9L0.2 Lot# 11843

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:19 am

Compound #60: Caprolactam



Original Peak Response = 0

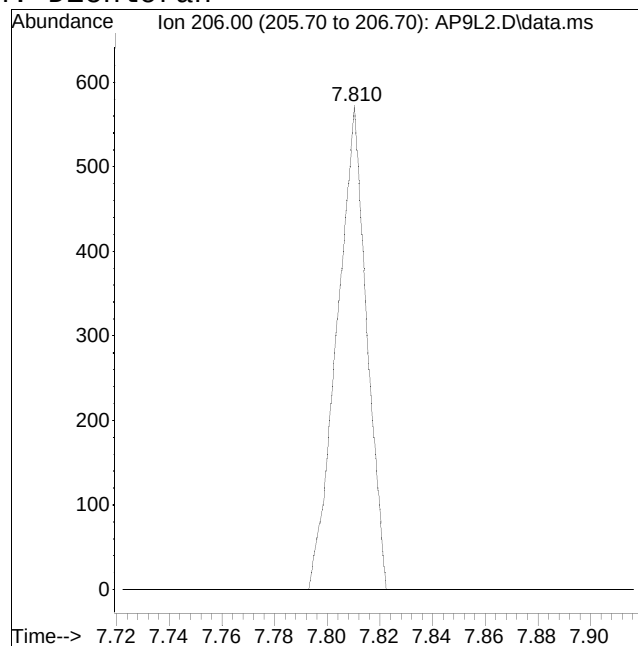
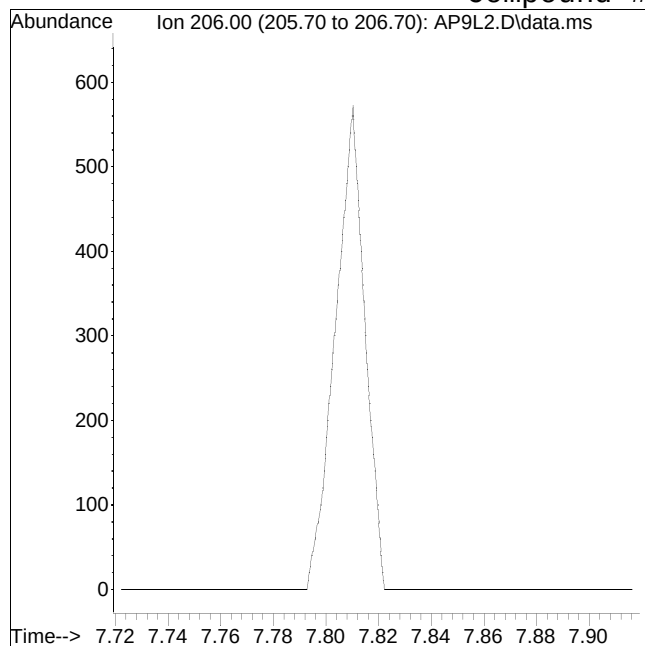
Manual Peak Response = 464 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : AP9L2.D
Date Inj'd : 8/18/2025 12:28 am
Sample : IL9,32,,AP9L0.2 Lot# 11843
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:19 am

Compound #84: Dichloran



Original Peak Response = 0

Manual Peak Response = 446 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L1.D
 Acq On : 18 Aug 2025 12:50 am
 Operator : SV112:slr
 Sample : IL10,32,,AP9L0.1 Lot# 11865
 Misc : WG2104073,,ical
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 06:18:10 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	18701	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	84.03%		
55) IS2_Naphthalene-d8	5.011	136	72576	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	83.42%		
83) IS2_Acenaphthene-d10	6.687	164	46826	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	83.59%		
98) IS2_Phenanthrene-d10	8.081	188	106960	4.000	ug/ml	# 0.00
Standard Area 3 = 123466			Recovery =	86.63%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.317	105	226M2	0.082	ug/ml	
29) Acetophenone	4.199	105	855	0.092	ug/ml#	51
30) m-Toluidine	0.000		0	N.D.		
31) 2-Chloroaniline	4.640	127	702	0.088	ug/ml#	46
56) a-Terpineol	5.099	59	458M2	0.086	ug/ml	
57) 3-Chloroaniline	5.105	65	118M2	0.052	ug/ml	
58) 2,6-Dichlorophenol	5.128	162	409M2	0.083	ug/ml	
59) 1-chloro-2-nitrobenzene	5.381	111	176M2	0.072	ug/ml	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	5.875	216	698	0.084	ug/ml#	19
62) Biphenyl	6.169	154	1669	0.089	ug/ml	96
84) Dichloran	7.810	206	137M2	0.071	ug/ml	
85) Pentachloronitrobenzene	7.946	237	192M2	0.085	ug/ml	
99) Diphenamid	9.010	167	1106	0.086	ug/ml#	94

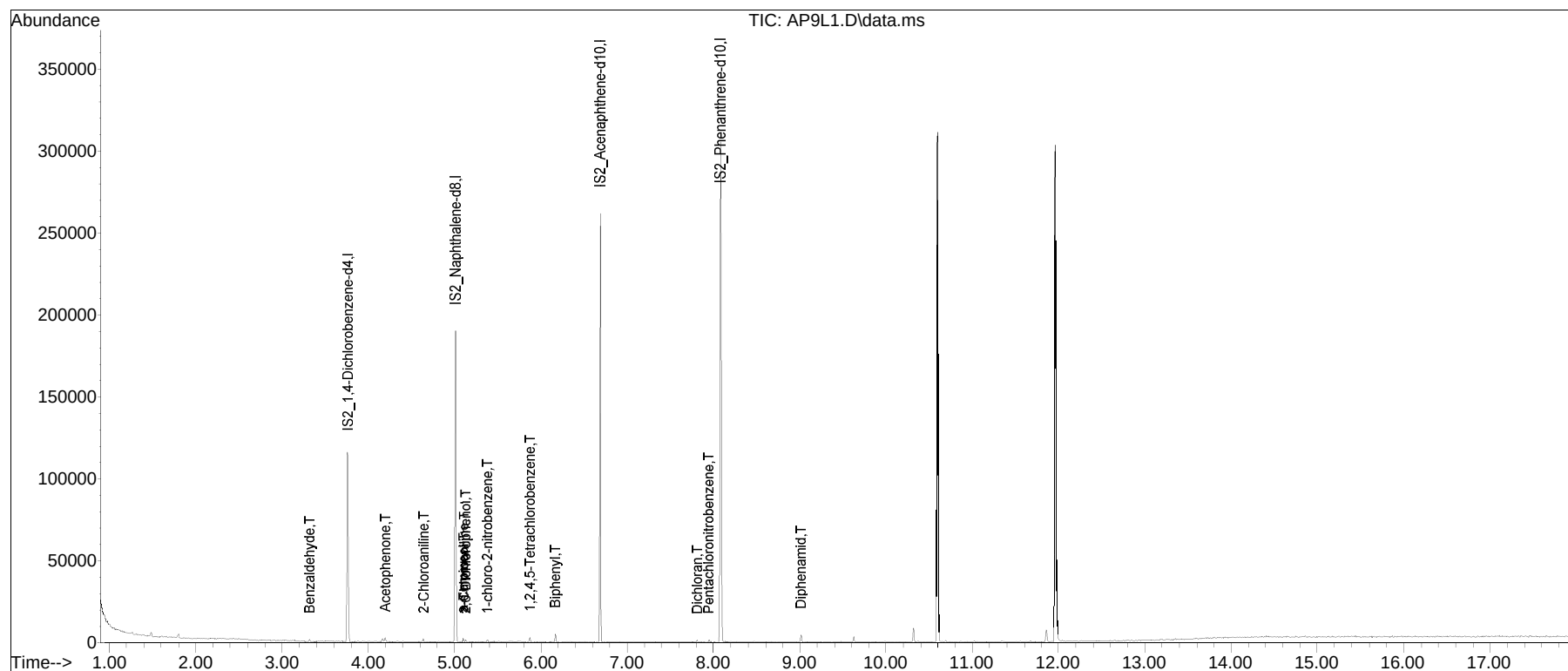
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L1.D
 Acq On : 18 Aug 2025 12:50 am
 Operator : SV112:slr
 Sample : IL10,32,,AP9L0.1 Lot# 11865
 Misc : WG2104073,,ical
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 06:18:10 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

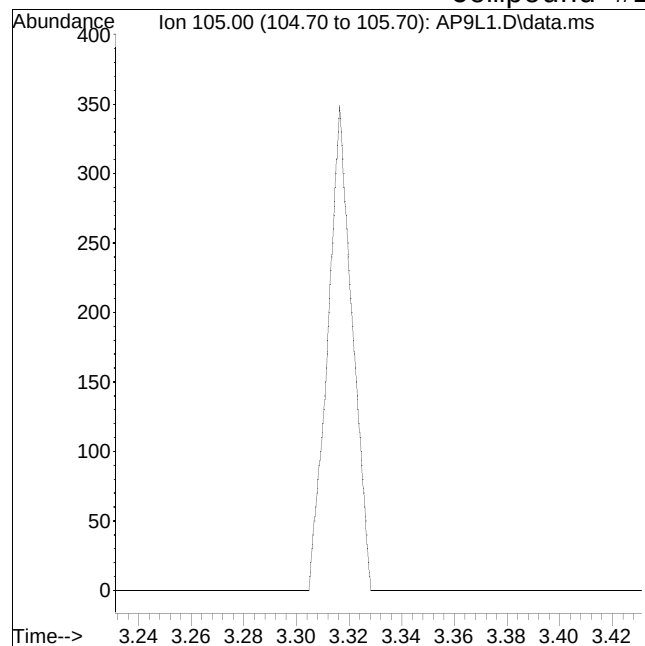
Sub List : ~~AP9L1.D~~ 8270\AP9L1.D\250817RVTical\AP9L6.D•



Manual Integration Report

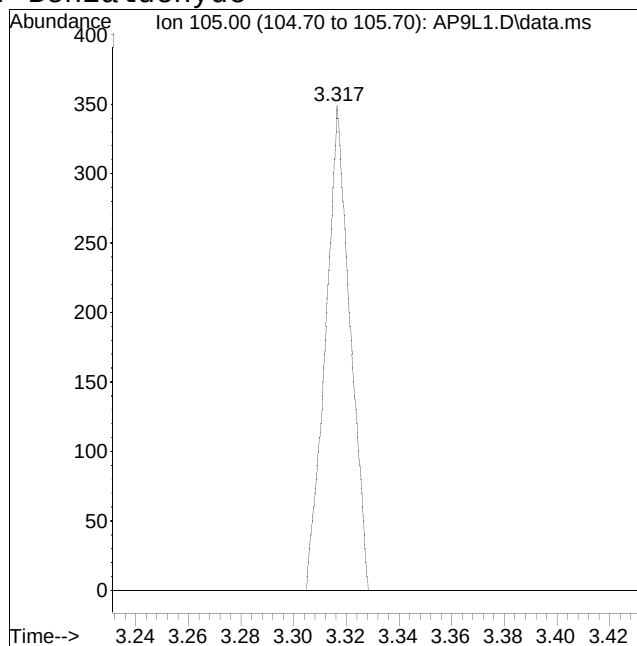
Data Path : I:\8270\SV112\250817RVTicalQMethod : FS250817SV112RVT.m
Data File : AP9L1.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:50 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 11860 Quant Date : 8/18/2025 6:18 am

Compound #28: Benzaldehyde



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

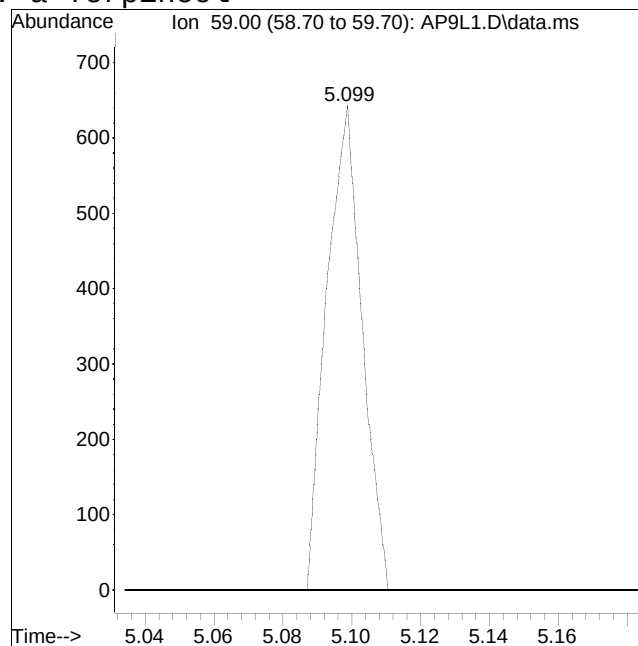
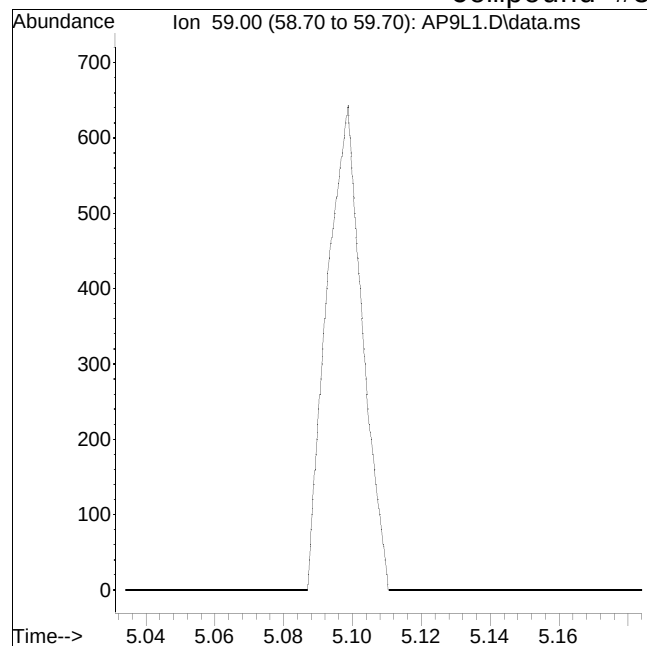


Manual Peak Response = 226 M2

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L1.D
Date Inj'd : 8/18/2025 12:50 am
Sample : IL10,32,,AP9L0.1 Lot# 11860
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:18 am

Compound #56: a-Terpineol



Original Peak Response = 0

Manual Peak Response = 458 M2

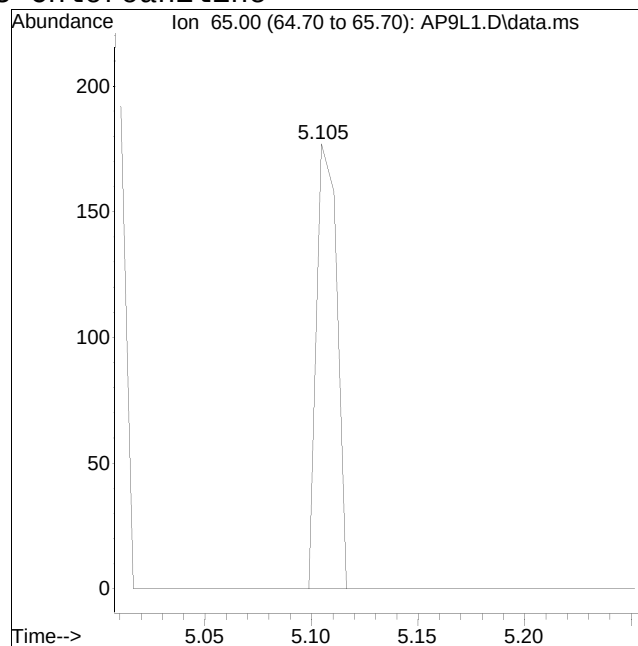
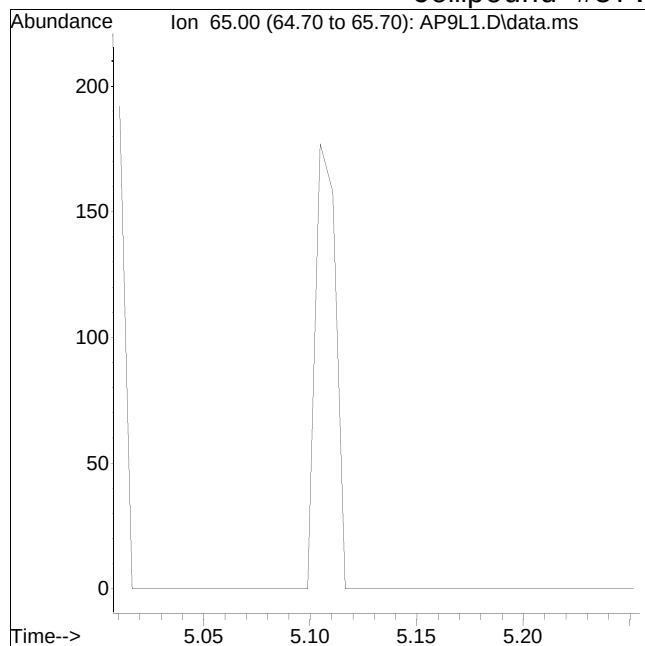
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L1.D
Date Inj'd : 8/18/2025 12:50 am
Sample : IL10,32,,AP9L0.1 Lot# 11860

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:18 am

Compound #57: 3-Chloroaniline



Original Peak Response = 0

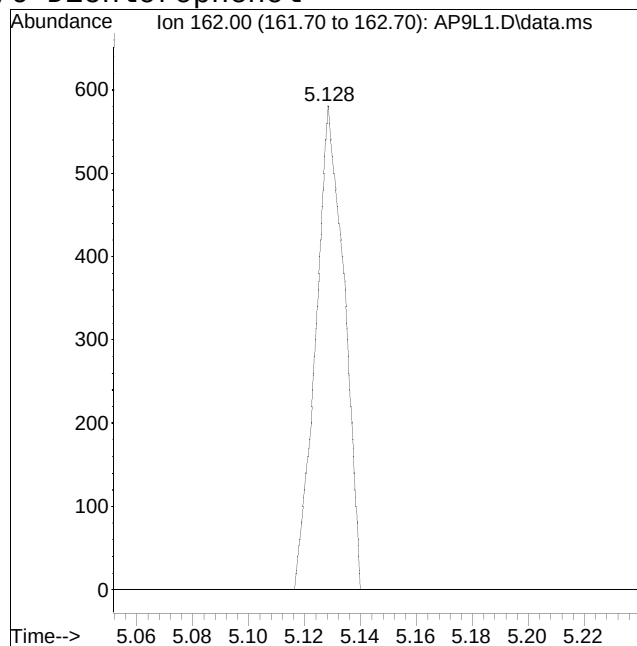
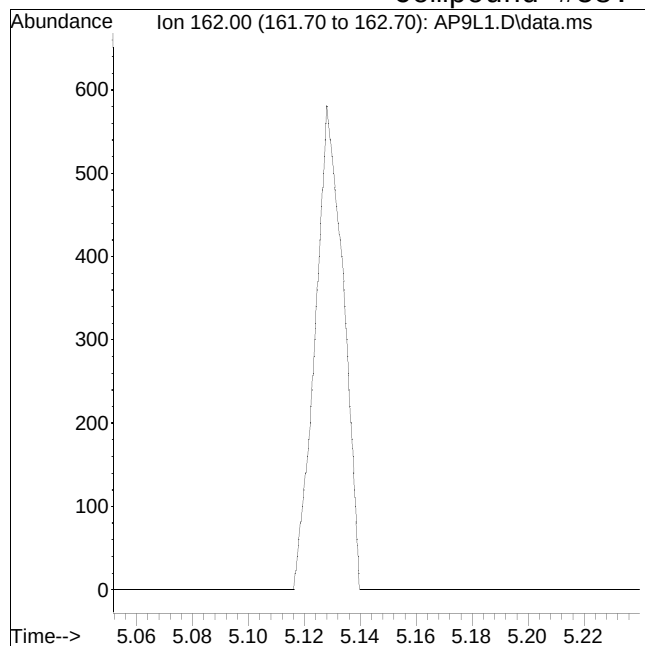
Manual Peak Response = 118 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L1.D
Date Inj'd : 8/18/2025 12:50 am
Sample : IL10,32,,AP9L0.1 Lot# 11860
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:18 am

Compound #58: 2,6-Dichlorophenol



Original Peak Response = 0

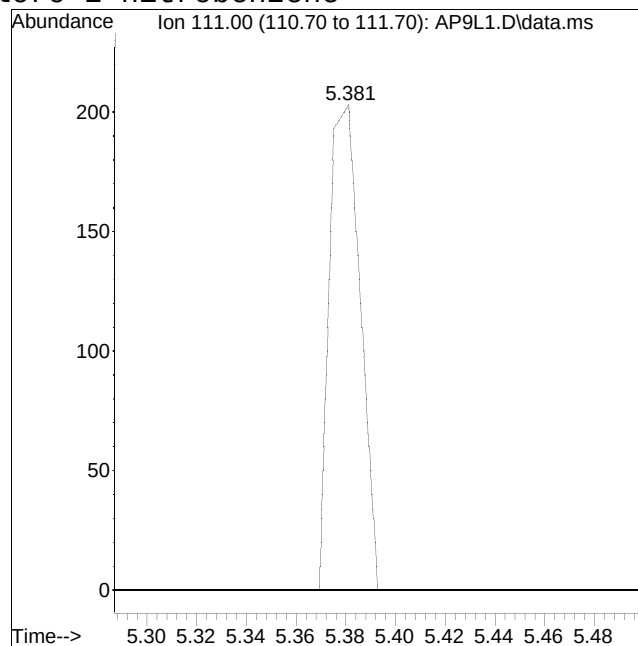
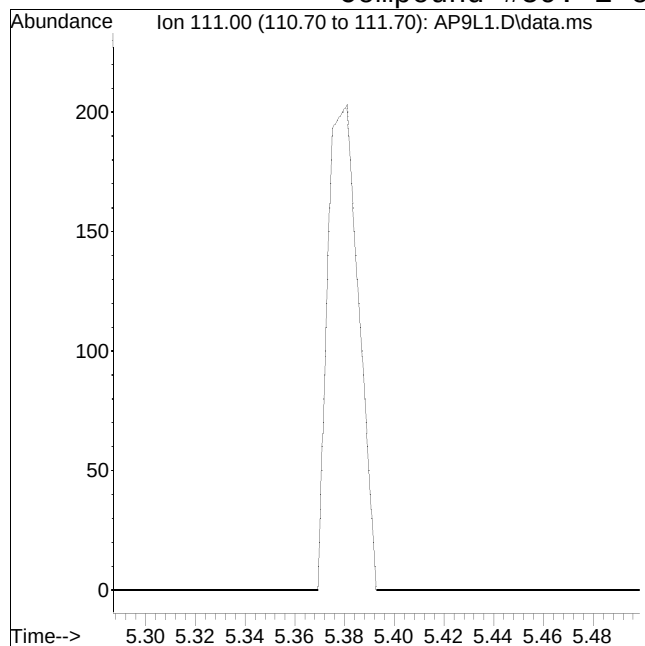
Manual Peak Response = 409 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L1.D
Date Inj'd : 8/18/2025 12:50 am
Sample : IL10,32,,AP9L0.1 Lot# 11860
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:18 am

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0

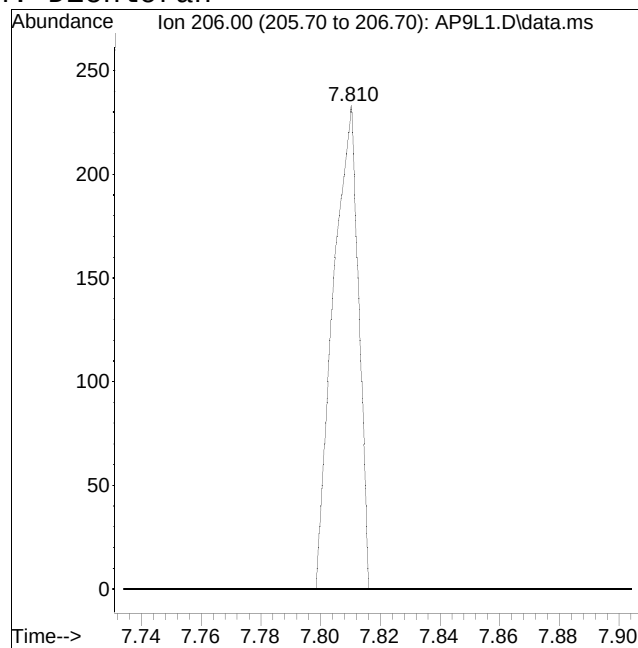
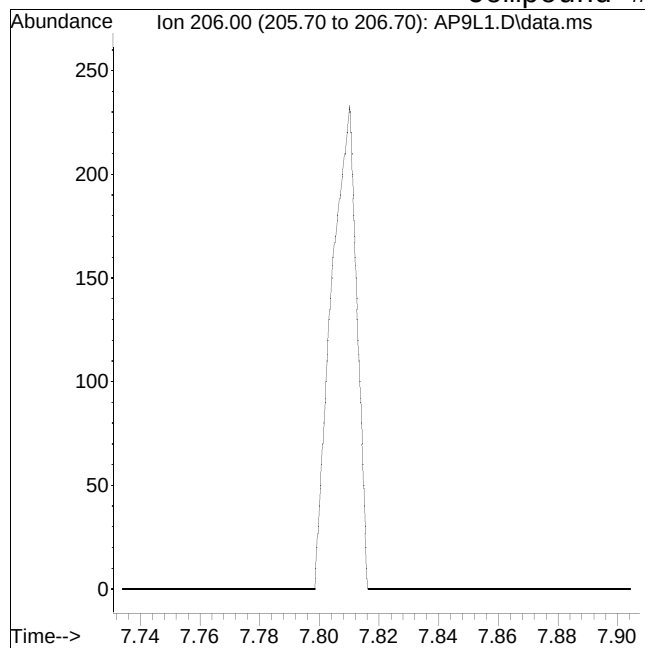
Manual Peak Response = 176 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L1.D
Date Inj'd : 8/18/2025 12:50 am
Sample : IL10,32,,AP9L0.1 Lot# 11860
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:18 am

Compound #84: Dichloran



Original Peak Response = 0

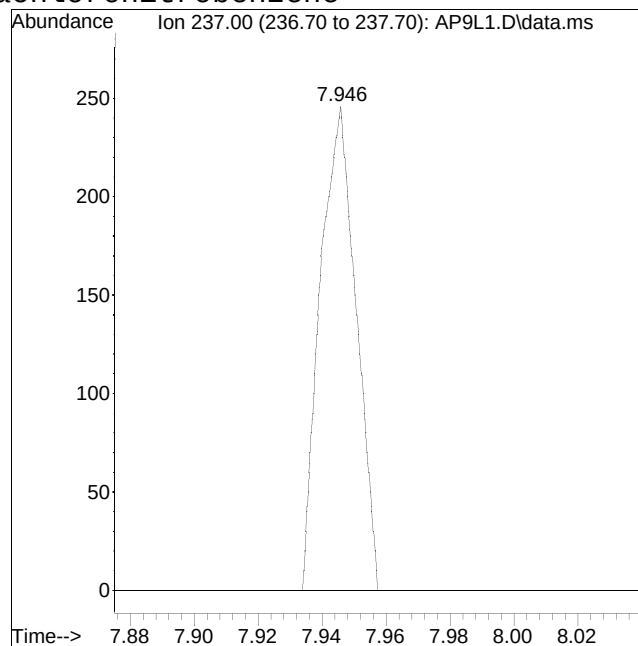
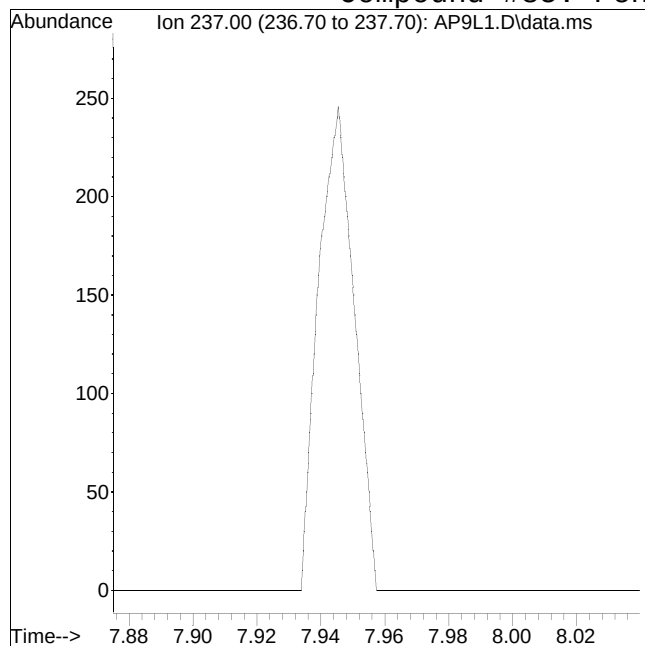
Manual Peak Response = 137 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L1.D
Date Inj'd : 8/18/2025 12:50 am
Sample : IL10,32,,AP9L0.1 Lot# 11866
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:18 am

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0

Manual Peak Response = 192 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9ICV.D
 Acq On : 18 Aug 2025 01:35 am
 Operator : SV112:slr
 Sample : CQICV2,32,,AP9ICV Lot# 11855
 Misc : WG2104073,,ical
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 18 06:52:01 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:51:40 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
28 T	Benzaldehyde	0.597	0.732	-22.6	129	0.00
29 T	Acetophenone	1.980	1.882	4.9	99	0.00
30 T	m-Toluidine	1.191	1.395	-17.1	116	0.00
31 T	2-Chloroaniline	1.688	1.618	4.1	98	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	101	0.00
56 T	a-Terpineol	0.298	0.284	4.7	99	0.00
57 T	3-Chloroaniline	0.138	0.143	-3.6	106	0.00
58 T	2,6-Dichlorophenol	0.282	0.280	0.7	98	0.00
59 T	1-chloro-2-nitrobenzene	0.137	0.130	5.1	97	0.00
60 T	Caprolactam	0.177	0.169	4.5	99	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.443	0.416	6.1	99	0.00
62 T	Biphenyl	0.978	0.908	7.2	98	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	102	0.00
84 T	Dichloran	0.179	0.158	11.7	96	0.00
85 T	Pentachloronitrobenzene	0.205	0.189	7.8	100	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	102	0.00
99 T	Diphenamid	0.494	0.480	2.8	101	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9ICV.D
 Acq On : 18 Aug 2025 01:35 am
 Operator : SV112:slr
 Sample : CQICV2,32,,AP9ICV Lot# 11855
 Misc : WG2104073,,ical
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 18 06:52:01 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:51:40 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	22105	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery	=	99.32%	
55) IS2_Naphthalene-d8	5.011	136	88030	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery	=	101.19%	
83) IS2_Acenaphthene-d10	6.687	164	57313	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery	=	102.31%	
98) IS2_Phenanthrene-d10	8.081	188	125850	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery	=	101.93%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.305	105	20215	6.129	ug/ml	95
29) Acetophenone	4.187	105	52004	4.752	ug/ml	93
30) m-Toluidine	4.281	106	38532	5.853	ug/ml	97
31) 2-Chloroaniline	4.634	127	44702	4.792	ug/ml	99
56) a-Terpineol	5.093	59	31294	4.772	ug/ml	100
57) 3-Chloroaniline	5.105	65	15707	5.157	ug/ml	88
58) 2,6-Dichlorophenol	5.128	162	30864	4.965	ug/ml	92
59) 1-chloro-2-nitrobenzene	5.375	111	14287	4.724	ug/ml	97
60) Caprolactam	5.422	55	18642	4.776	ug/ml	94
61) 1,2,4,5-Tetrachloroben...	5.875	216	45776	4.691	ug/ml	96
62) Biphenyl	6.169	154	99955	4.643	ug/ml	98
84) Dichloran	7.810	206	11291	4.391	ug/ml#	76
85) Pentachloronitrobenzene	7.946	237	13553	4.621	ug/ml#	84
99) Diphenamid	9.016	167	75533	4.856	ug/ml	89

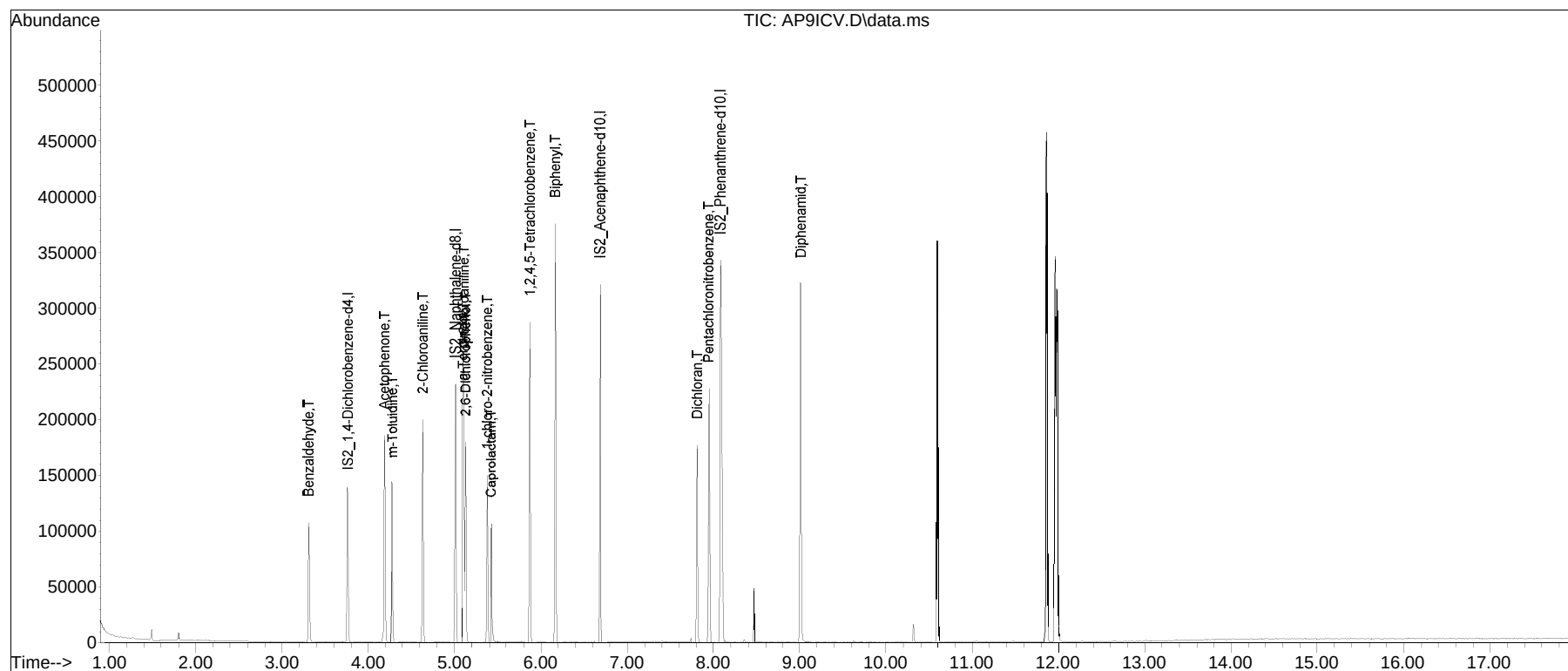
(#) = qualifier out of range (m) = manual integration (+) = signals summed

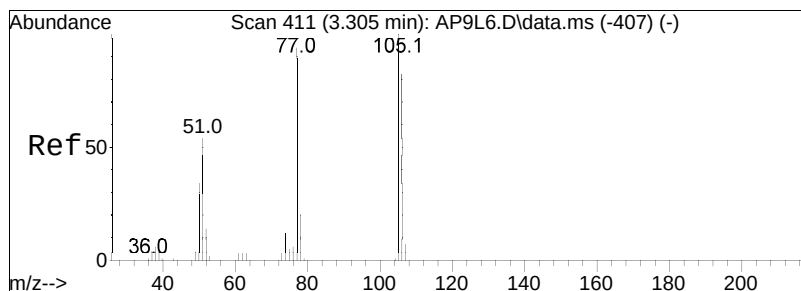
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9ICV.D
 Acq On : 18 Aug 2025 01:35 am
 Operator : SV112:slr
 Sample : CQICV2,32,,AP9ICV Lot# 11855
 Misc : WG2104073,,ical
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 18 06:52:01 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:51:40 2025
 Response via : Initial Calibration

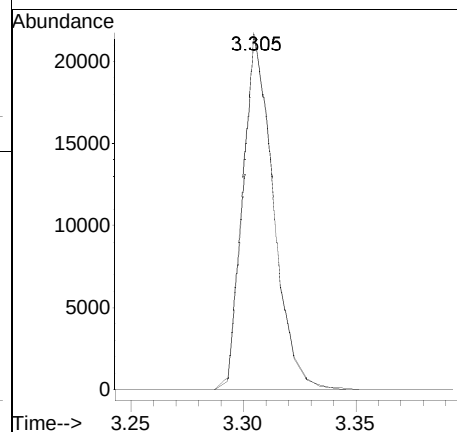
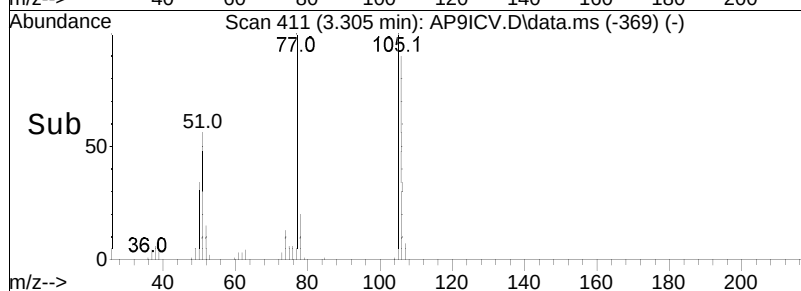
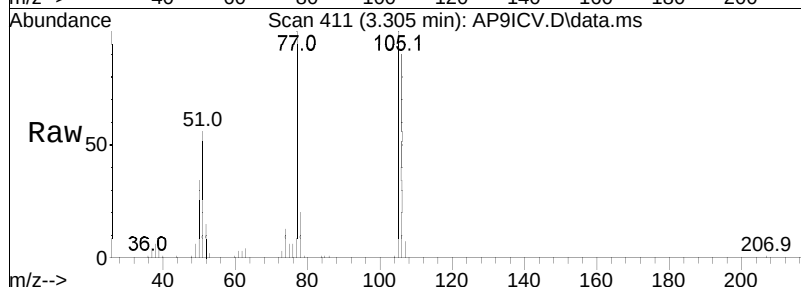
Sub List : ~~AP9ical\8270\AP9Vial\250817RVTical\AP9L6.D~~

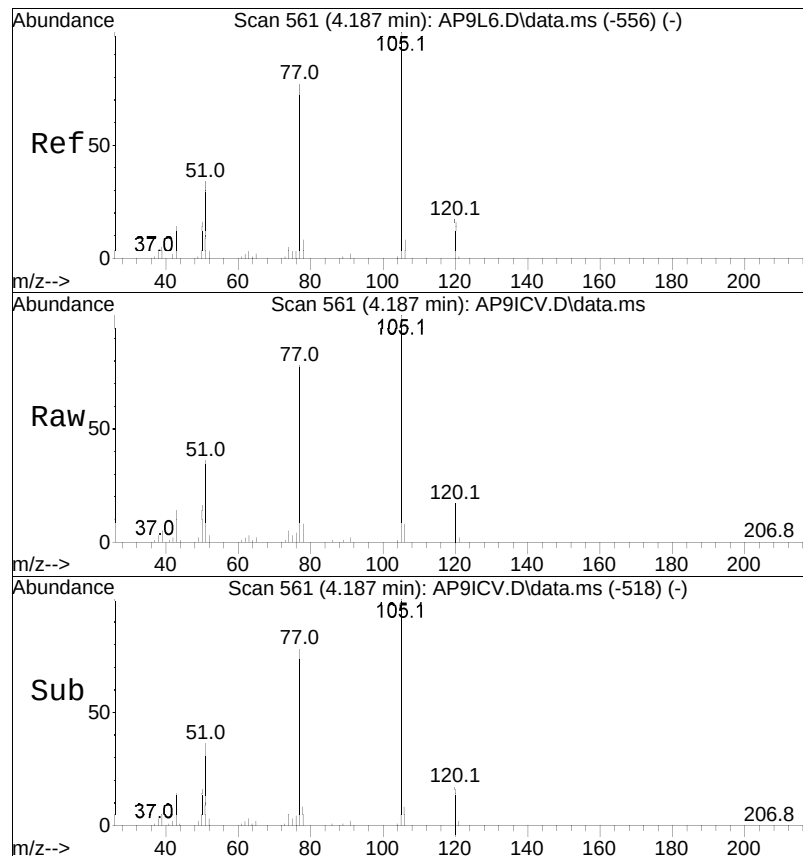




#28
Benzaldehyde
Concen: 6.13 ug/ml
RT: 3.305 min Scan# 411
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

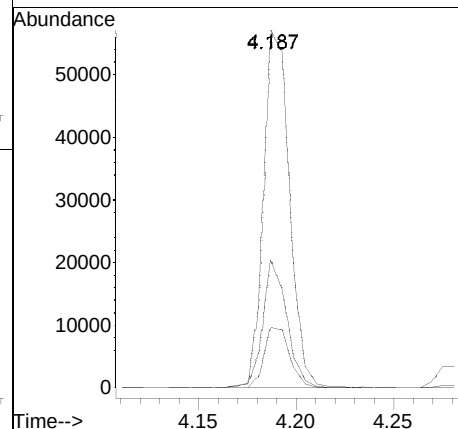
Tgt Ion:105 Resp: 20215
Ion Ratio Lower Upper
105 100
77 101.4 51.0 115.6

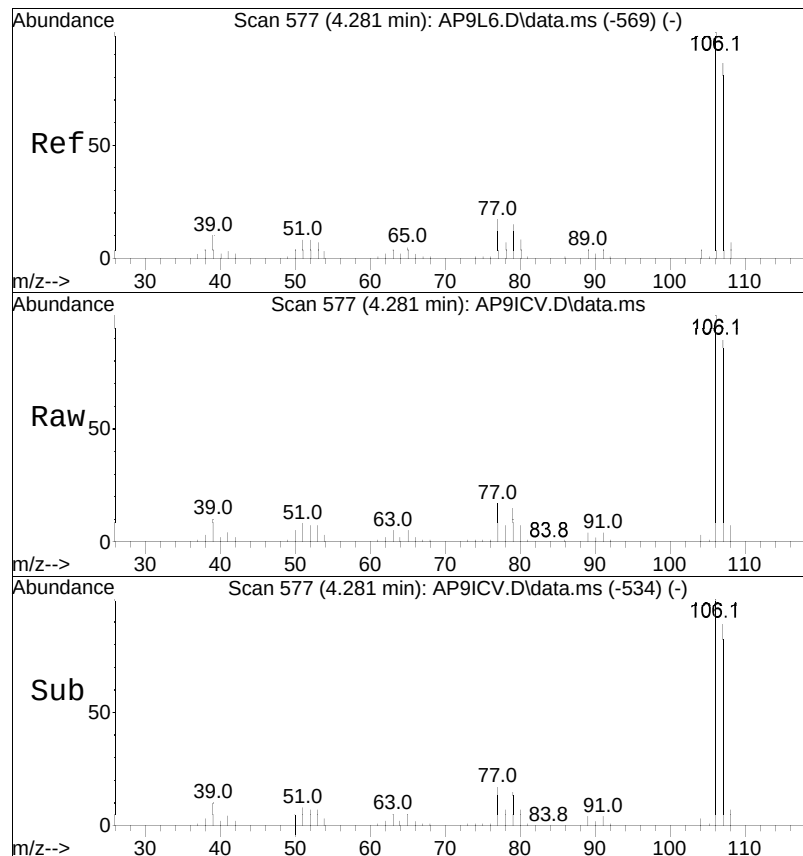




#29
 Acetophenone
 Concen: 4.75 ug/ml
 RT: 4.187 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

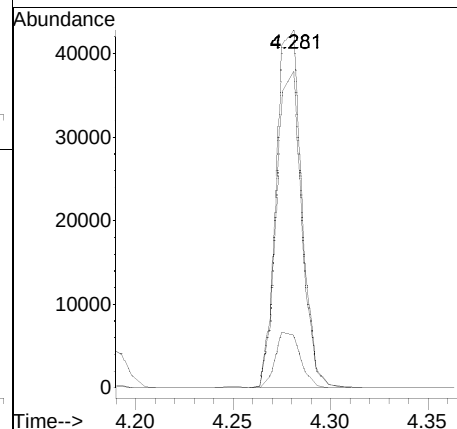
Tgt Ion	Ratio	Lower	Upper
105	100		
120	16.9	15.2	22.8
51	33.5	23.1	34.7

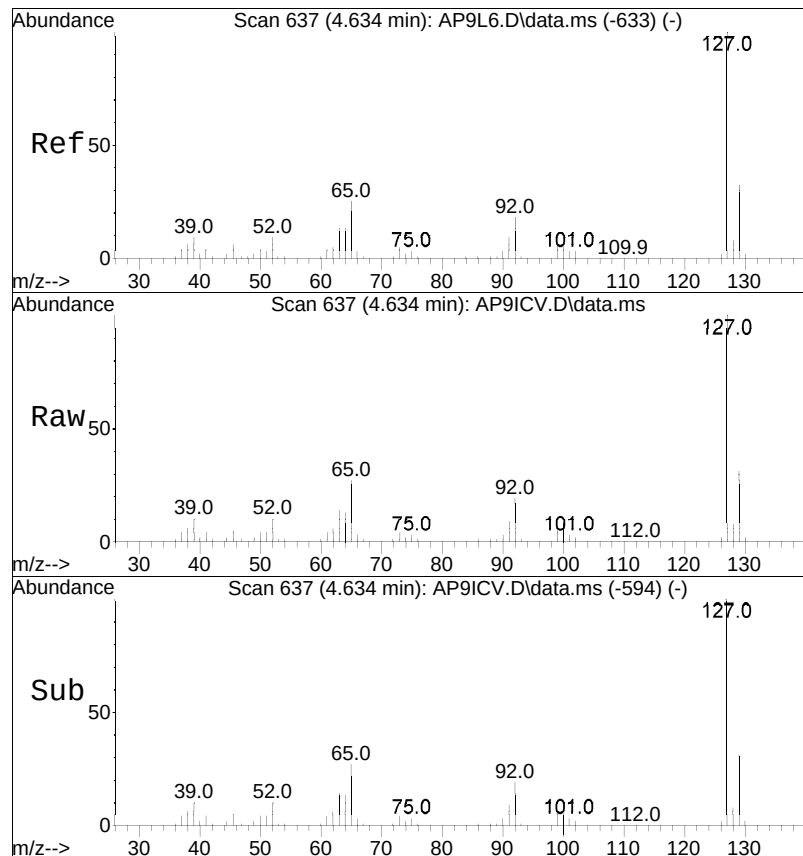




#30
 m-Toluidine
 Concen: 5.85 ug/ml
 RT: 4.281 min Scan# 577
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

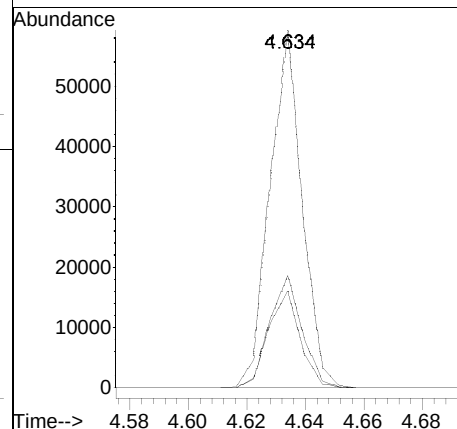
Tgt Ion	Ratio	Lower	Upper
106	100		
107	87.6	72.3	108.5
79	15.3	12.2	18.2

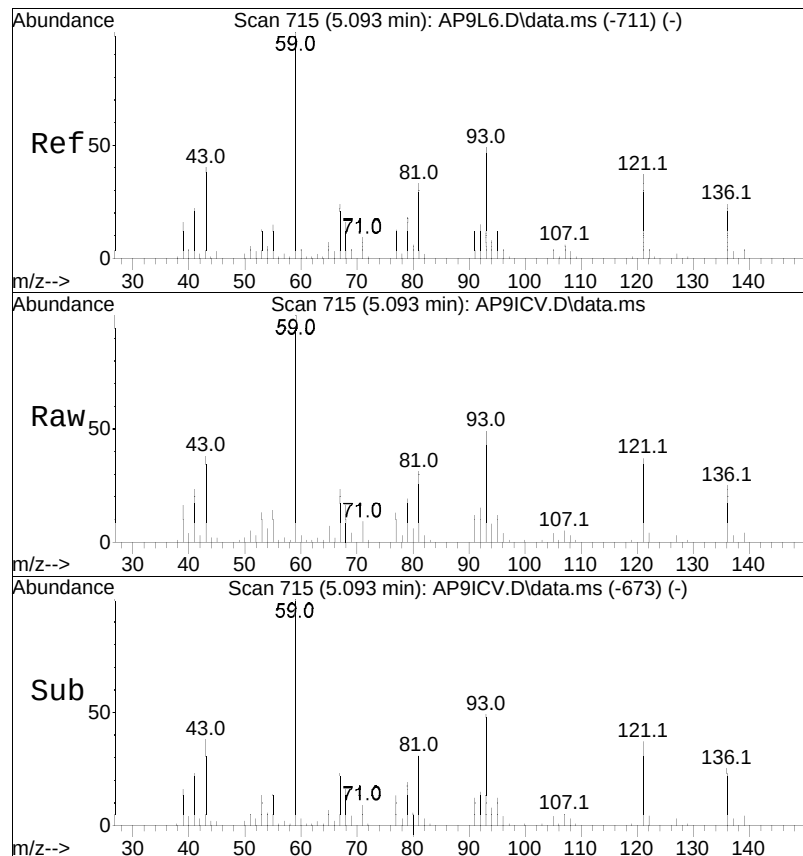




#31
 2-Chloroaniline
 Concen: 4.79 ug/ml
 RT: 4.634 min Scan# 637
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

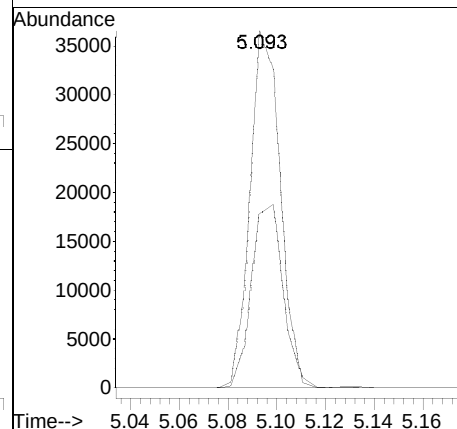
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	27.1	20.5	30.7

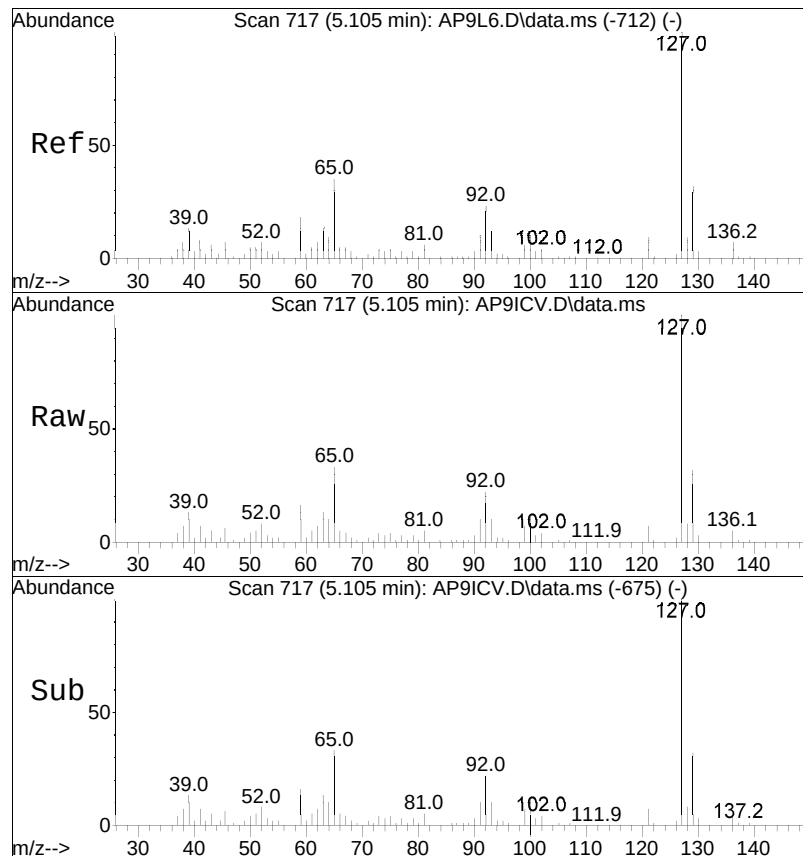




#56
 a-Terpineol
 Concen: 4.77 ug/ml
 RT: 5.093 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

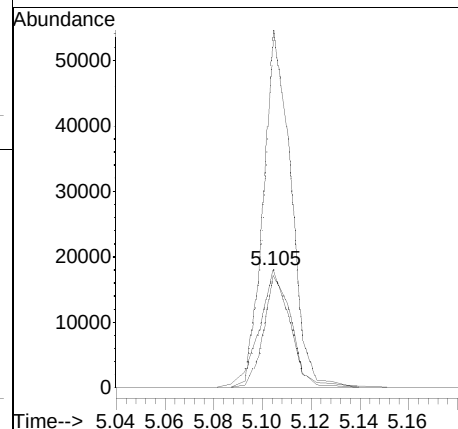
Tgt Ion	Ratio	Lower	Upper
59	100		
93	54.2	43.5	65.3

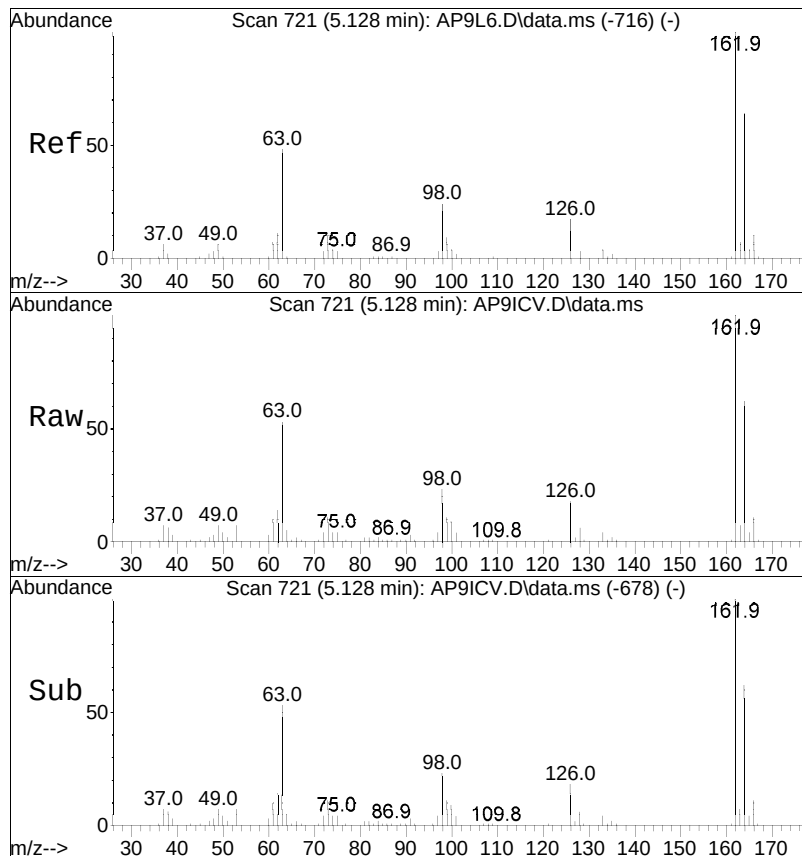




#57
 3-Chloroaniline
 Concen: 5.16 ug/ml
 RT: 5.105 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

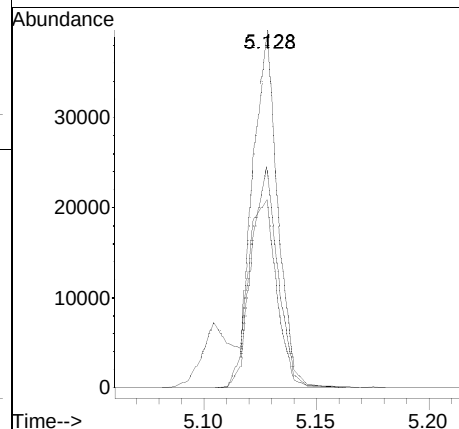
Tgt Ion:	65	127	129	Ion Ratio	100	270.2	85.7	Resp:	15707	Lower	Upper
						236.6	76.6				
						355.0	115.0				

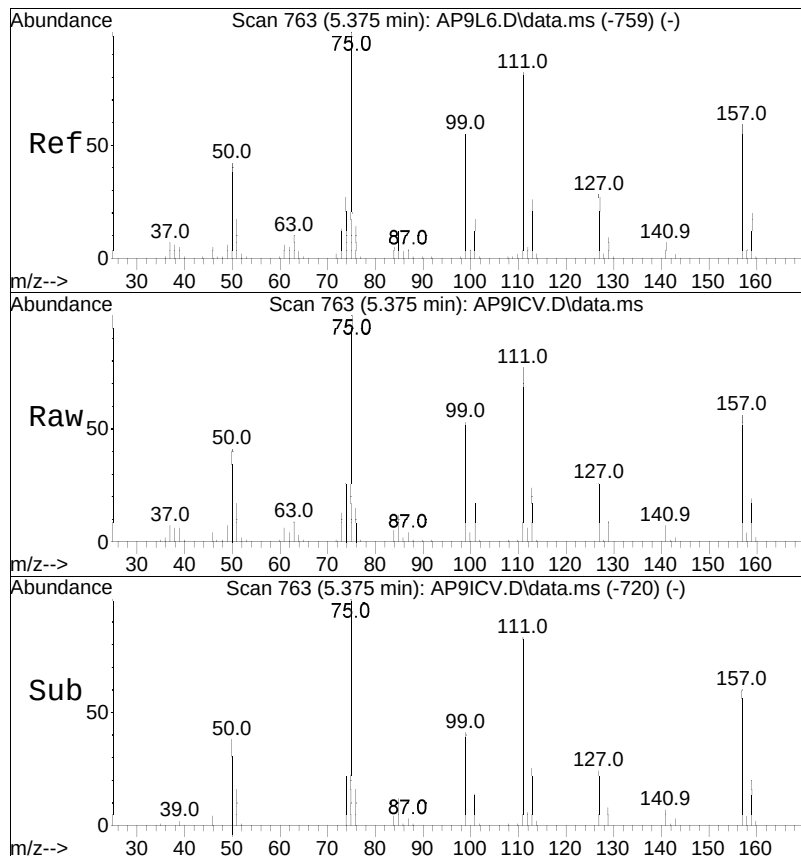




#58
 2,6-Dichlorophenol
 Concen: 4.96 ug/ml
 RT: 5.128 min Scan# 721
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

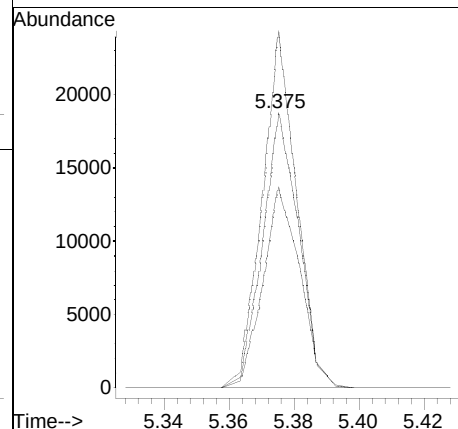
Tgt Ion:	162	Resp:	30864
Ion Ratio	Lower	Upper	
162	100		
164	64.1	50.8	76.2
63	78.8	53.6	80.4

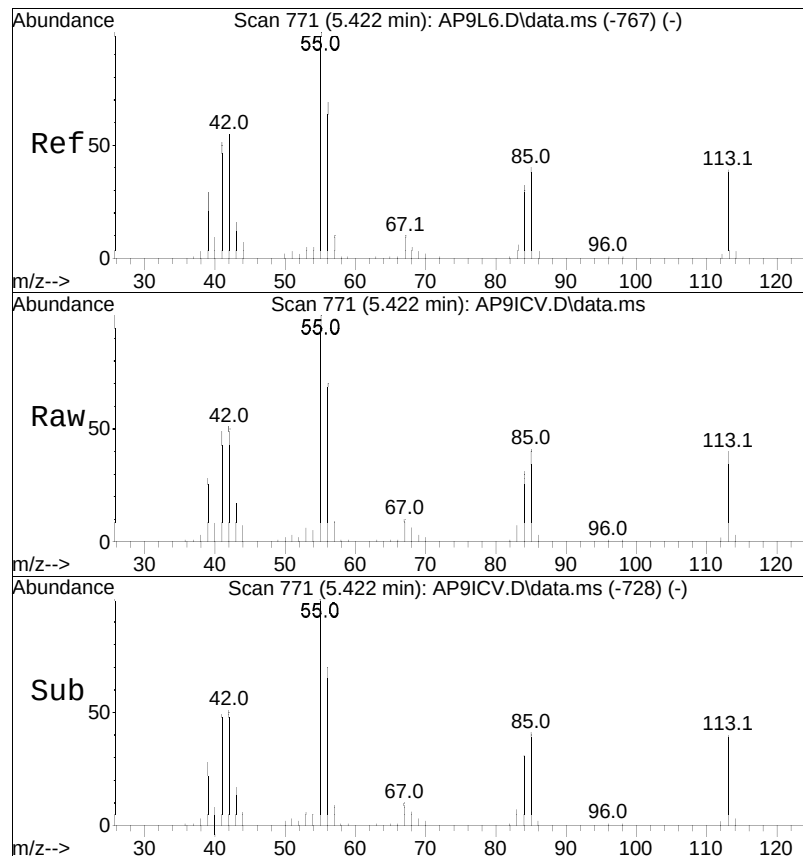




#59
 1-chloro-2-nitrobenzene
 Concen: 4.72 ug/ml
 RT: 5.375 min Scan# 763
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

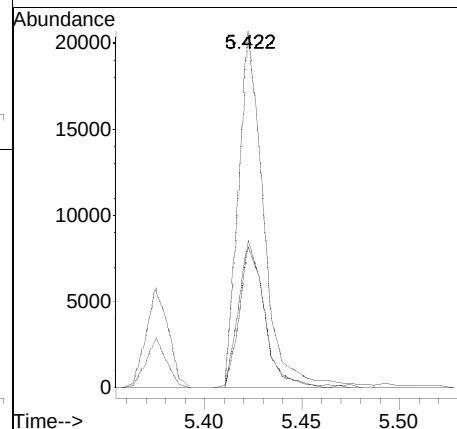
Tgt Ion	Ratio	Lower	Upper
111	100		
157	75.1	56.2	84.2
75	123.4	97.8	146.6

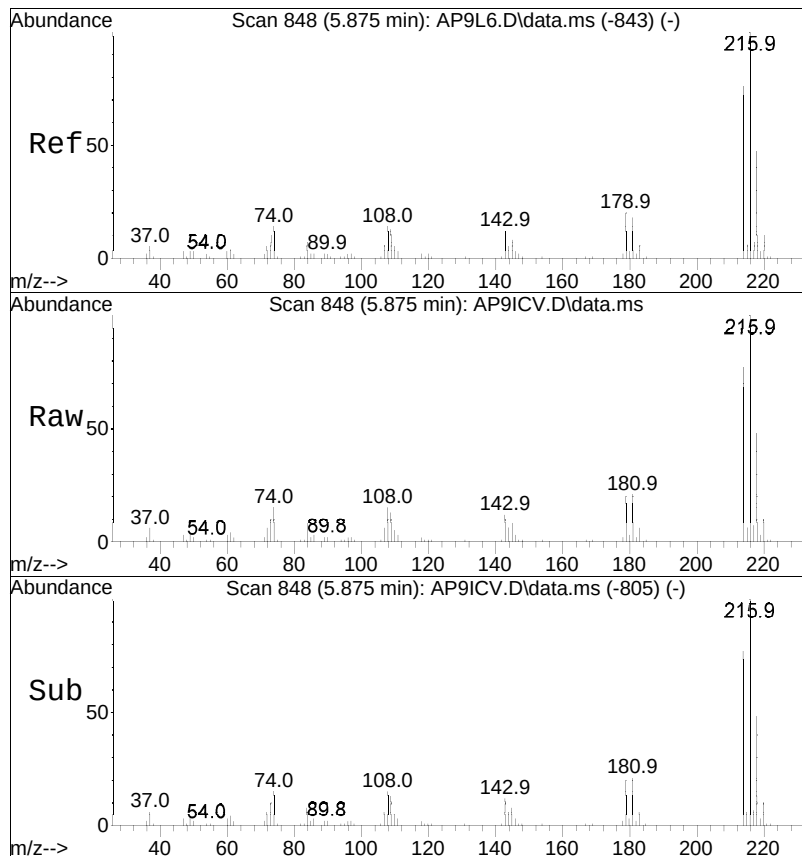




#60
 Caprolactam
 Concen: 4.78 ug/ml
 RT: 5.422 min Scan# 771
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

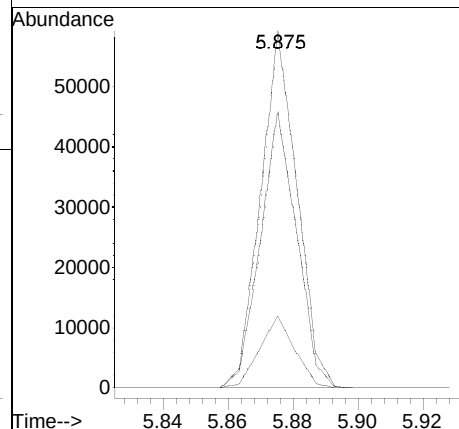
Tgt	Ion: 55	Resp:	18642
Ion	Ratio	Lower	Upper
55	100		
85	42.5	35.2	52.8
113	39.8	36.6	55.0

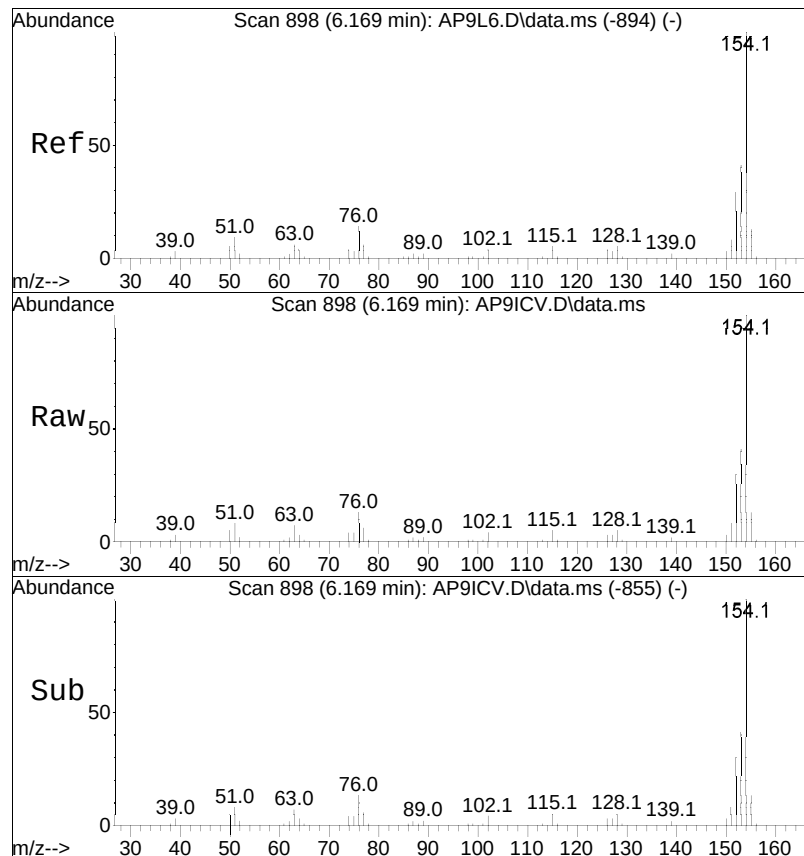




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.69 ug/ml
 RT: 5.875 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

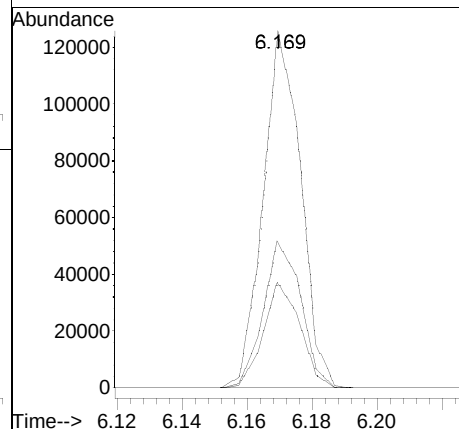
Tgt Ion:	216	Resp:	45776
Ion Ratio	Lower	Upper	
216	100		
214	77.1	64.0	96.0
179	19.6	18.7	28.1

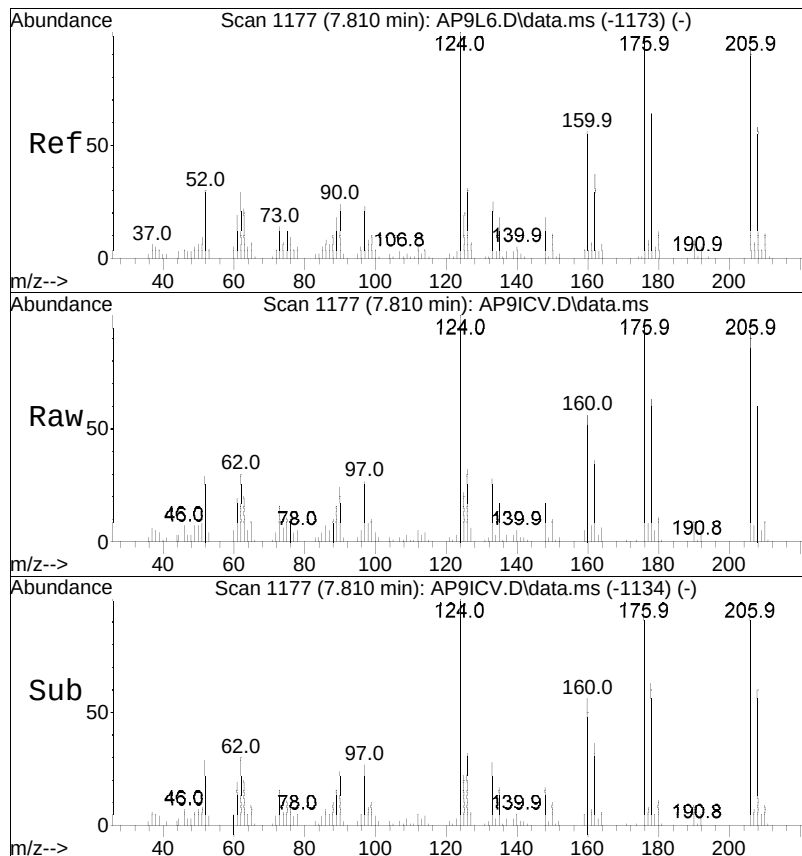




#62
 Biphenyl
 Concen: 4.64 ug/ml
 RT: 6.169 min Scan# 898
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

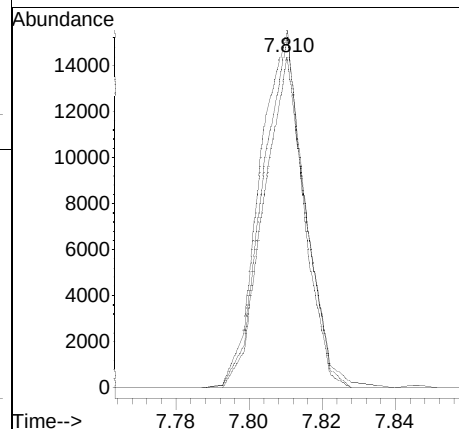
Tgt Ion:	154	Resp:	99955
Ion Ratio	Lower	Upper	
154	100		
153	41.5	32.5	48.7
152	29.2	22.6	34.0

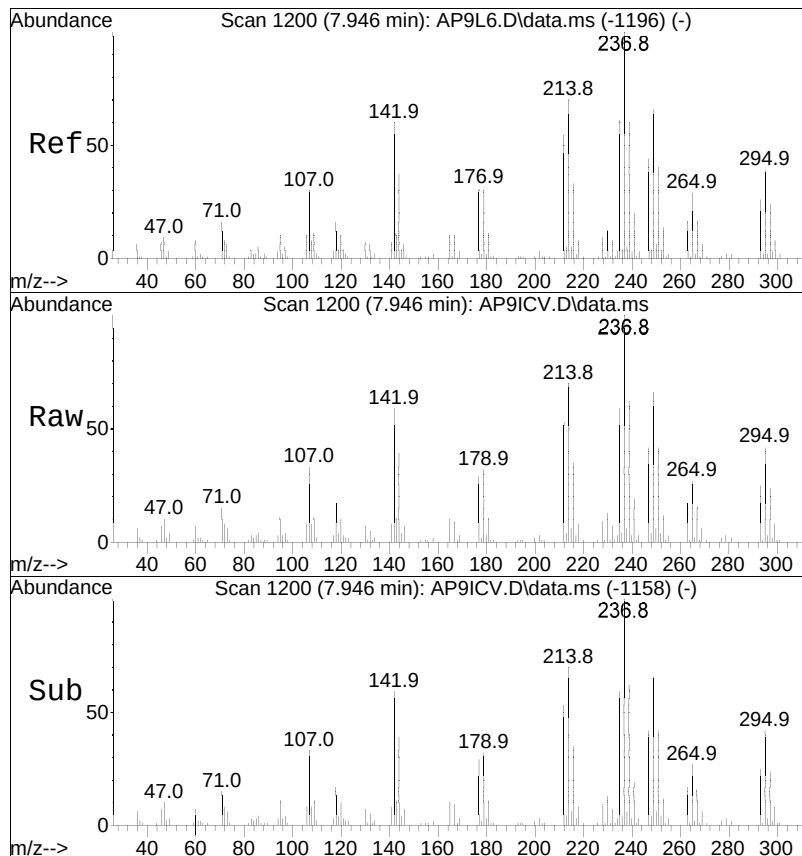




#84
 Dichloran
 Concen: 4.39 ug/ml
 RT: 7.810 min Scan# 1177
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

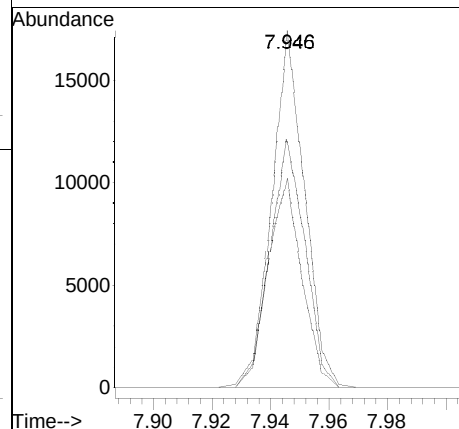
Tgt Ion	Ratio	Lower	Upper
206	100		
176	110.0	98.8	148.2
124	112.5	125.8	188.6#

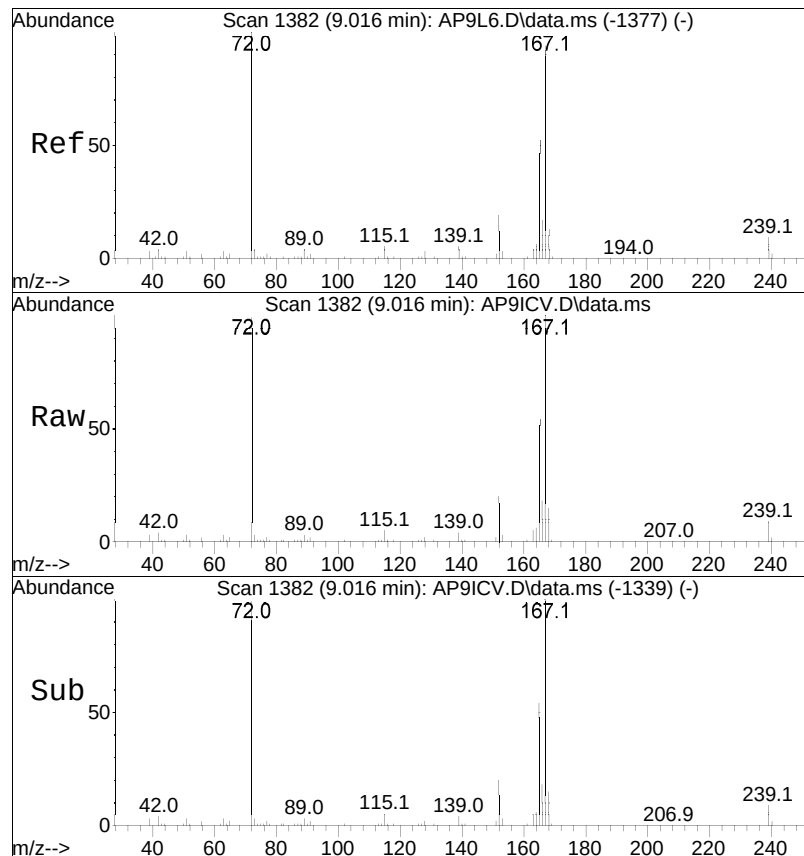




#85
 Pentachloronitrobenzene
 Concen: 4.62 ug/ml
 RT: 7.946 min Scan# 1200
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

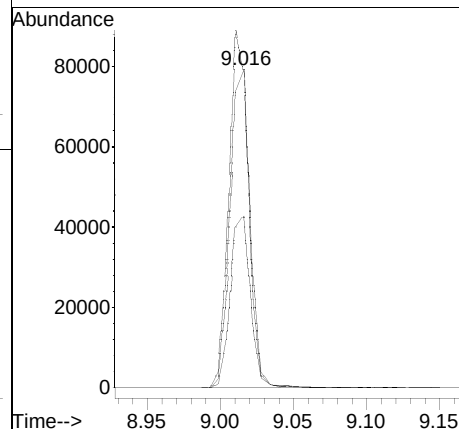
Tgt Ion	Ratio	Lower	Upper
237	100		
142	61.0	70.3	105.5#
214	73.4	59.4	89.2





#99
 Diphenamid
 Concen: 4.86 ug/ml
 RT: 9.016 min Scan# 1382
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

Tgt Ion	Ratio	Lower	Upper
167	100		
72	108.6	98.9	148.3
165	55.2	40.4	60.6



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : AP9ICV.D Operator : SV112:slr
Date Inj'd : 8/18/2025 1:35 am Instrument : SV112
Sample : CQICV2,32,,AP9ICV Lot# 118055 Inj Date : 8/18/2025 6:52 am

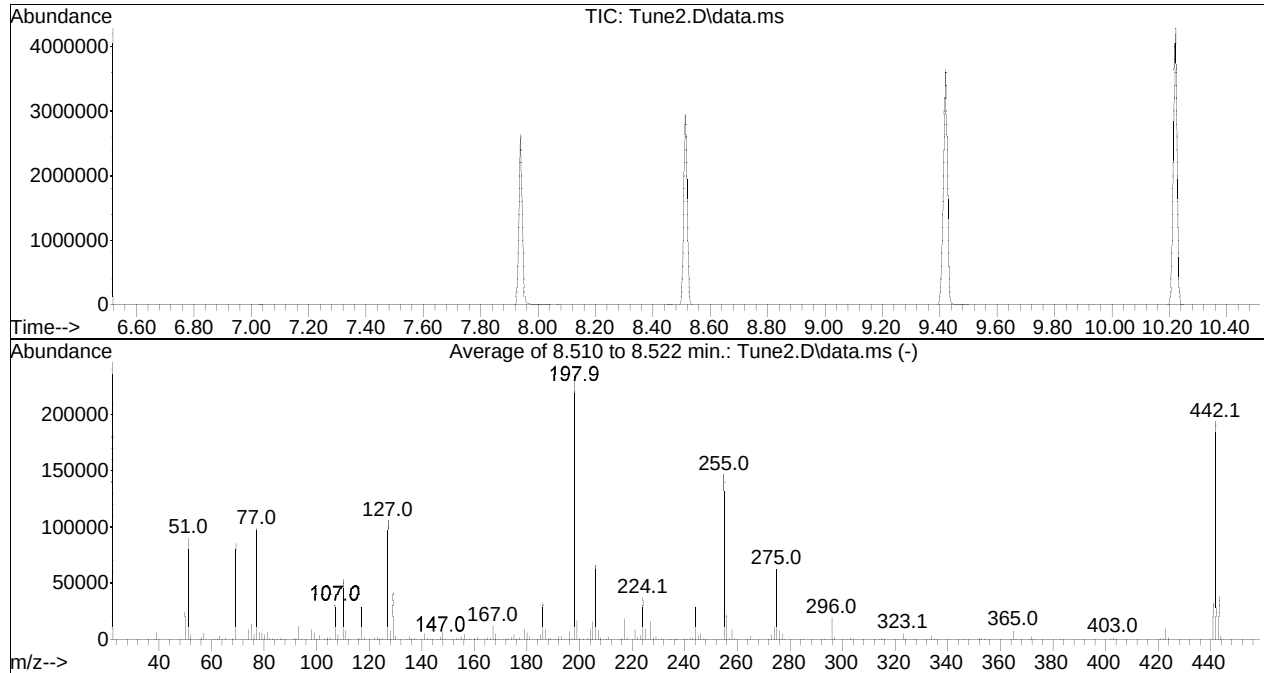
There are no manual integrations or false positives in this file.

DFTPP

Data Path : I:\8270\SV112\250817RVTical\
 Data File : Tune2.D
 Acq On : 18 Aug 2025 01:57 am
 Operator : SV112:slr
 Sample : Tune Lot#11857
 Misc : WG2104073,,ical
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Aug 18 06:54:37 2025

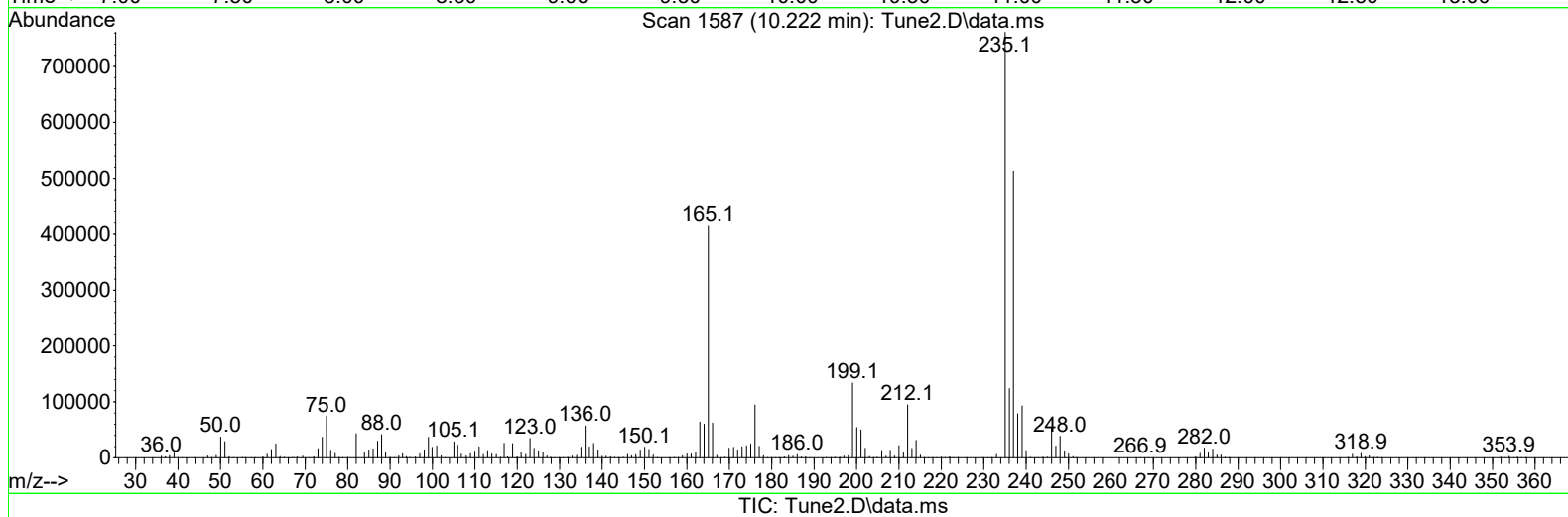
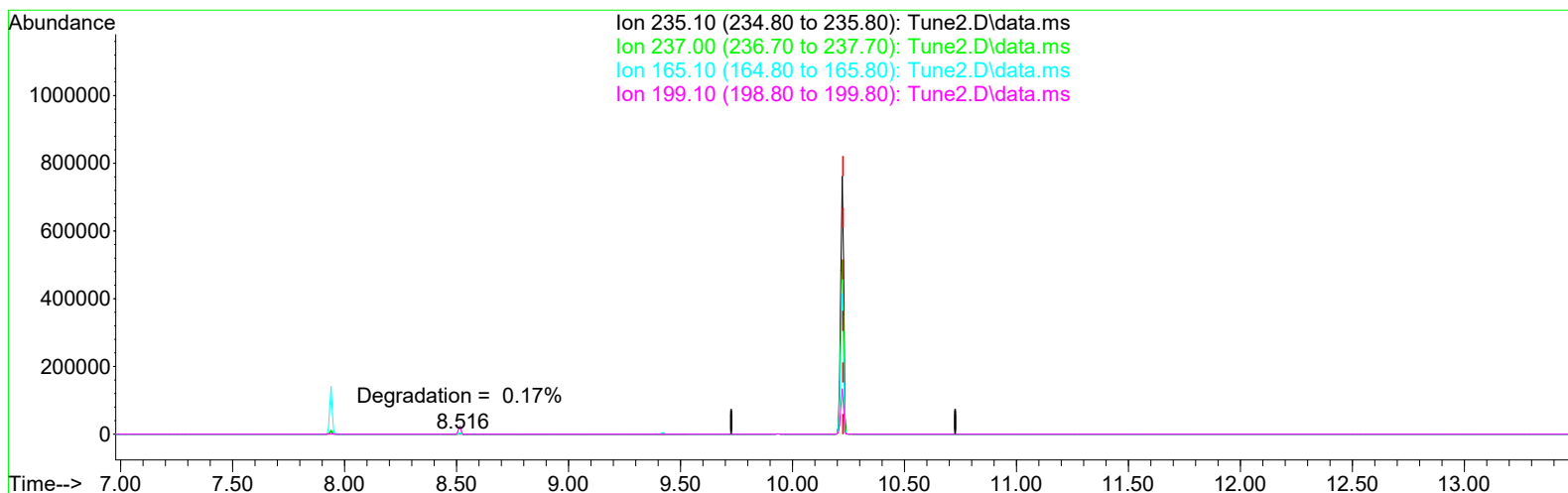


AutoFind: Scans 1296, 1297, 1298; Background Corrected with Scan 1290

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.3	89907	PASS
68	69	0.00	2	1.6	1406	PASS
69	69	100	100	100.0	85517	PASS
70	69	0.00	2	0.5	430	PASS
127	198	10	80	45.1	105816	PASS
197	198	0.00	2	0.6	1515	PASS
198	198	100	100	100.0	234635	PASS
199	198	5	9	7.0	16407	PASS
275	198	10	60	26.7	62597	PASS
365	198	1	100	3.4	7980	PASS
441	442	0.01	24	16.9	32637	PASS
442	198	50	100	82.5	193555	PASS
443	442	15	24	19.8	38349	PASS

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune2.D
Acq On : 18 Aug 2025 01:57 am
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:27:31 2025
Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration



(6) D DT (T)

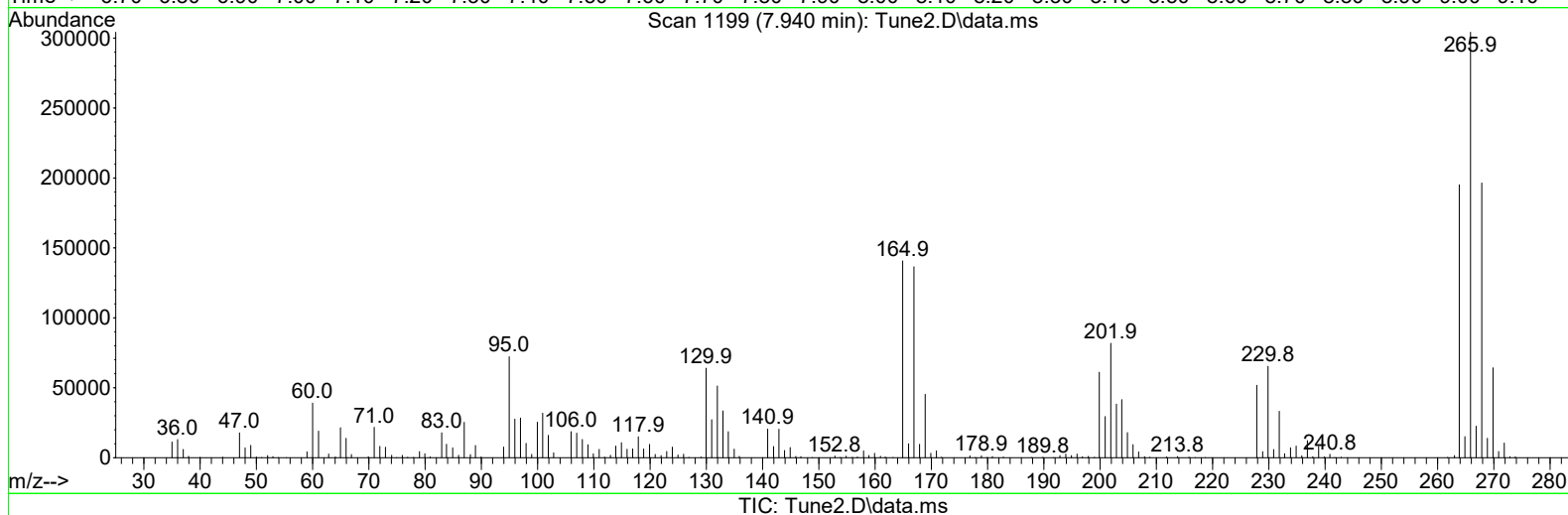
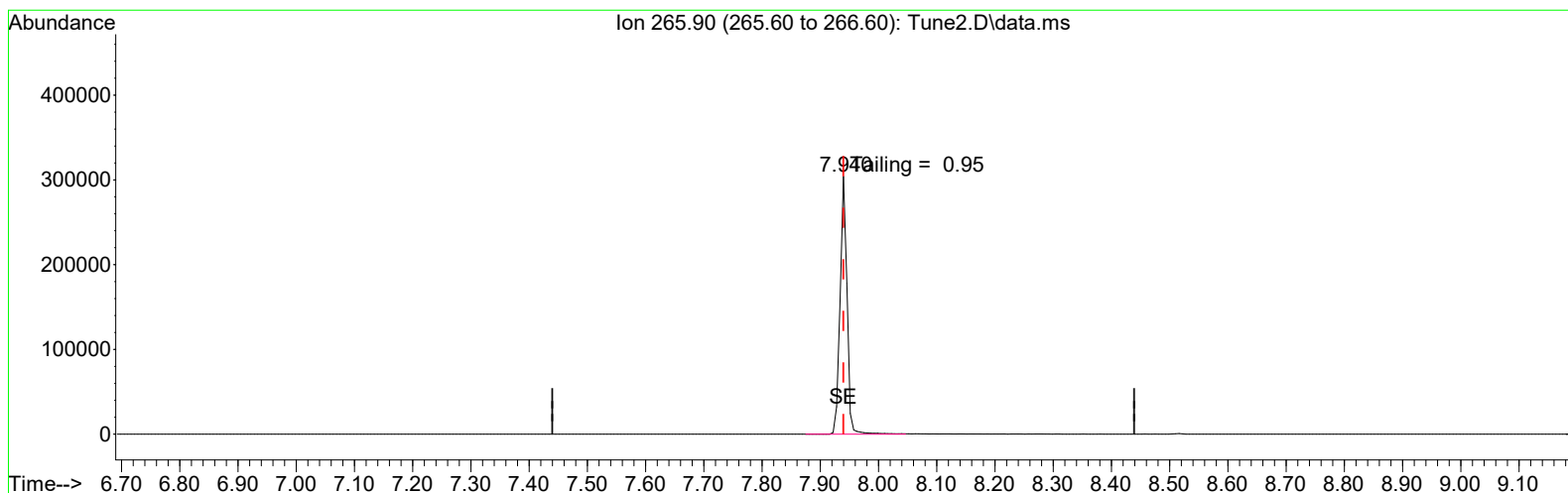
10.222min (-0.006) 0.00

response 704984

I on	Exp %	A ct%
235.10	100.00	100.00
237.00	71.30	66.98
165.10	47.10	51.25
199.10	16.40	16.80

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune2.D
Acq On : 18 Aug 2025 01:57 am
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:27:31 2025
Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration



(1) Pentachlorophenol (T)

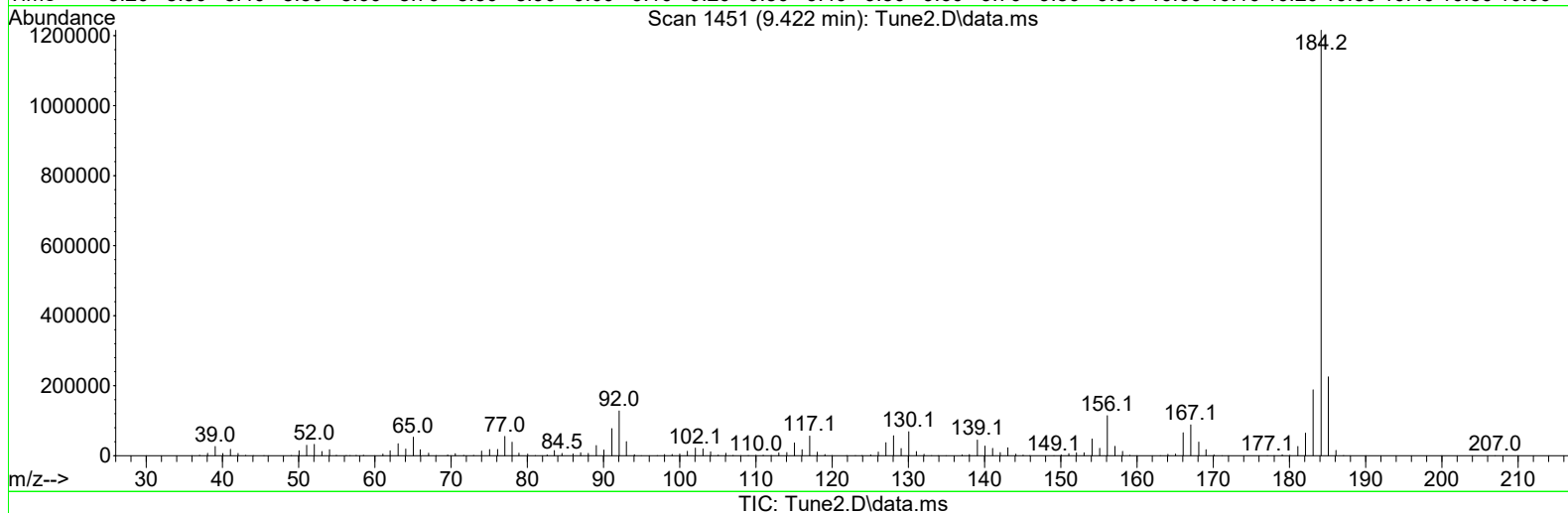
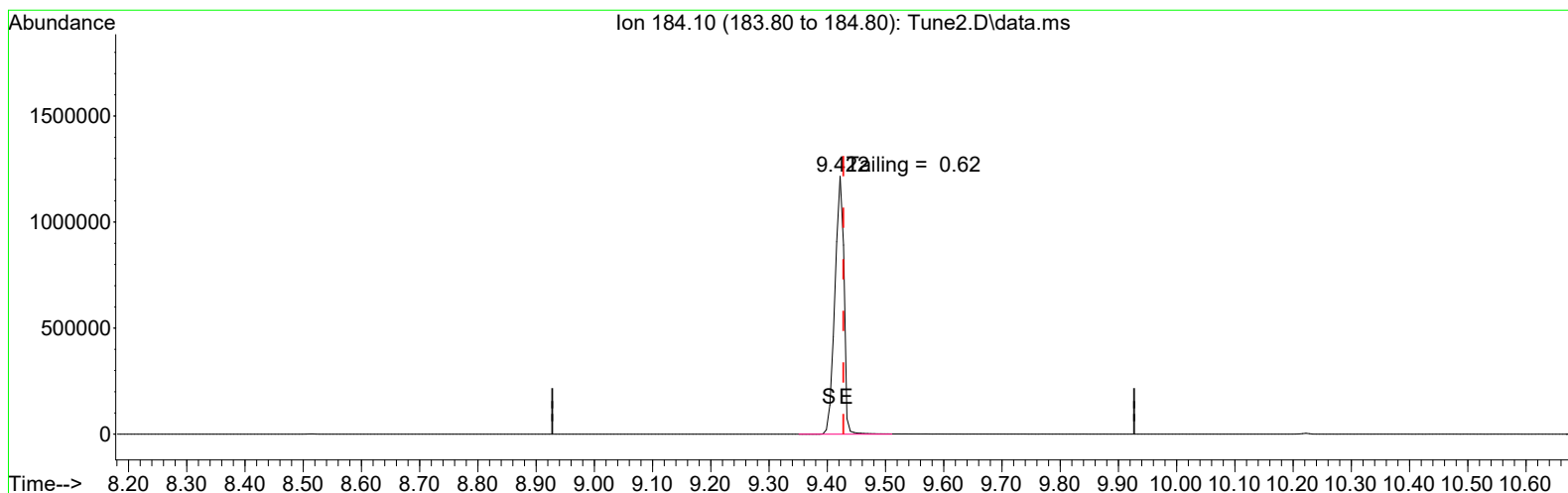
7.940min (-0.000) 0.00

response 253202

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune2.D
Acq On : 18 Aug 2025 01:57 am
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:27:31 2025
Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration



TIC: Tune2.D\data.ms

(3) Benzidine (T)

9.422min (-0.006) 0.00

response 1327918

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL9.D
 Acq On : 18 Aug 2025 02:20 am
 Operator : SV112:slr
 Sample : IL2,32,,ADPL50 Lot# 11845
 Misc : WG2104073,,ical
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 18 06:31:54 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.758	152	20361	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	115.62%	
86) IS3_Acenaphthene-d10	6.687	164	54829	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	116.86%	
100) IS3_Phenanthrene-d10	8.081	188	122116	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery	=	110.91%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Calib	Qvalue
33) 1,4-Dioxane	0.964	88	122303	No Calib #	
34) n-Decane	3.687	57	399032	No Calib	
87) Atrazine	7.940	200	343408	No Calib	
101) n-Octadecane	8.146	57	736406	No Calib	
102) Parathion	8.910	109	209483	No Calib #	
103) 3,3'-Dimethylbenzidine	10.128	212	1274376	No Calib	

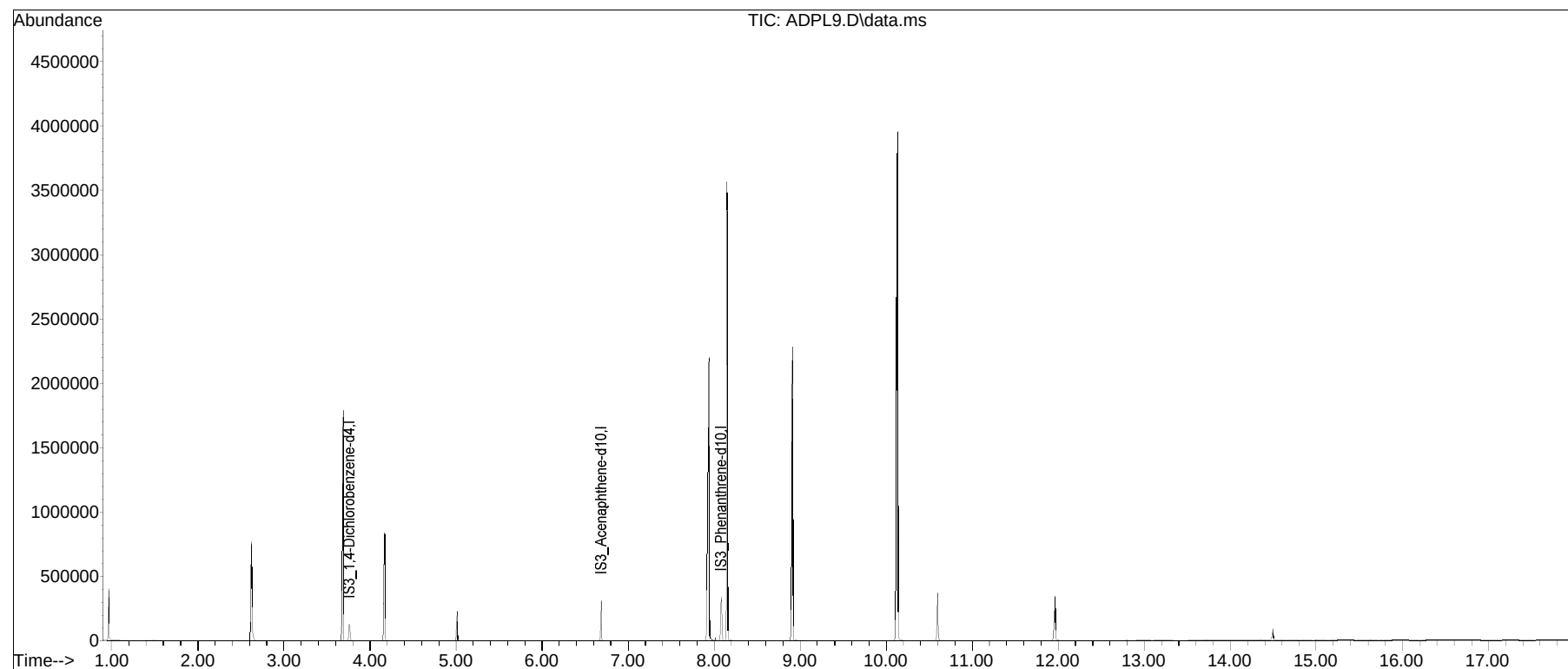
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL9.D
Acq On : 18 Aug 2025 02:20 am
Operator : SV112:slr
Sample : IL2,32,,ADPL50 Lot# 11845
Misc : WG2104073,,ical
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 18 06:31:54 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

Sub List : ~~ADPical\8270\SV112\250817RVTical\AP9L6.D~~



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : ADPL9.D Operator : SV112:slr
Date Inj'd : 8/18/2025 2:20 am Instrument : SV112
Sample : IL2,32,,ADPL50 Lot# 11845 Quant Date : 8/18/2025 5:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL8.D
 Acq On : 18 Aug 2025 02:42 am
 Operator : SV112:slr
 Sample : IL3,32,,ADPL25 Lot# 11846
 Misc : WG2104073,,ical
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 18 06:31:37 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	21428	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	121.67%	
86) IS3_Acenaphthene-d10	6.687	164	57425	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	122.39%	
100) IS3_Phenanthrene-d10	8.081	188	124552	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery	=	113.12%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	0.964	88	63440	No Calib	#	
34) n-Decane	3.687	57	206352	No Calib		
87) Atrazine	7.928	200	169706	No Calib		
101) n-Octadecane	8.146	57	388588	No Calib		
102) Parathion	8.904	109	95650	No Calib	#	
103) 3,3'-Dimethylbenzidine	10.122	212	659422	No Calib		

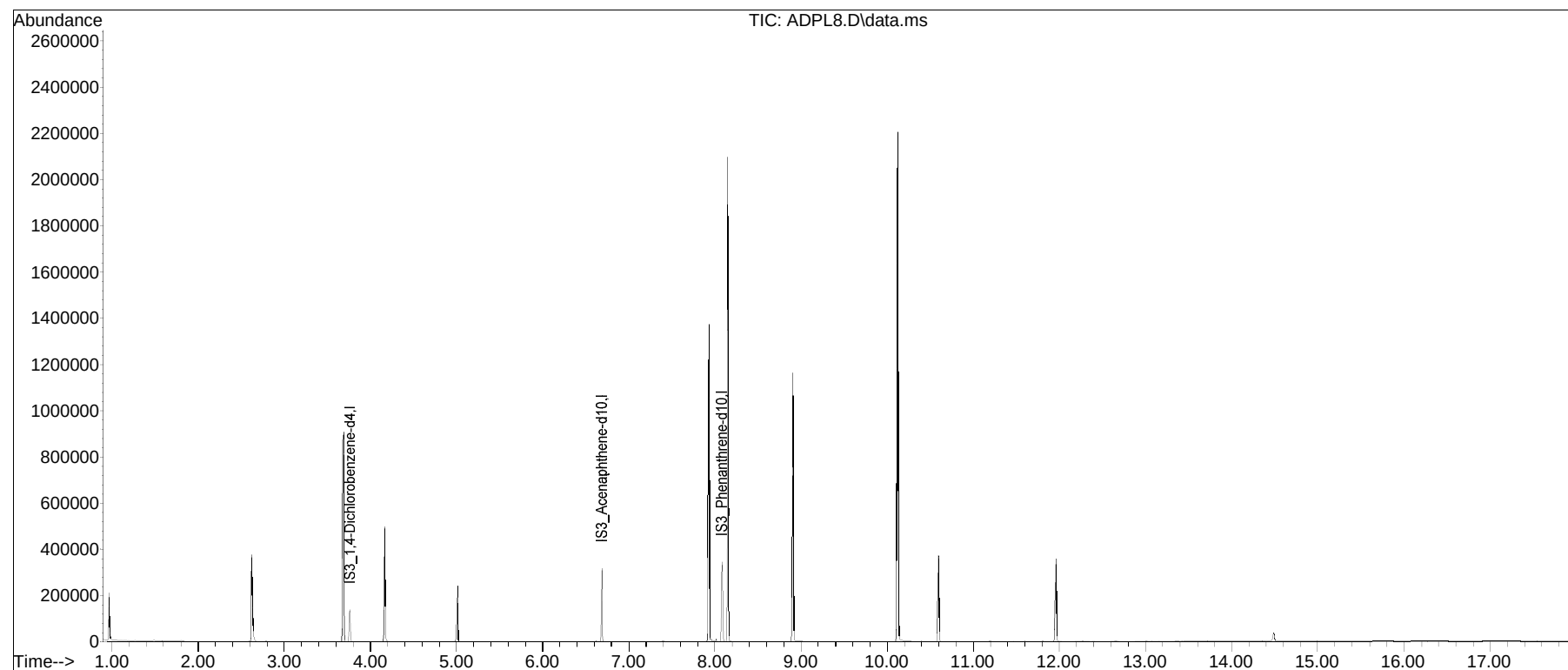
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL8.D
Acq On : 18 Aug 2025 02:42 am
Operator : SV112:slr
Sample : IL3,32,,ADPL25 Lot# 11846
Misc : WG2104073,,ical
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 18 06:31:37 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

Sub List : ~~ADPical\8270\SV112\250817RVTical\AP9L6.D~~



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : ADPL8.D Operator : SV112:slr
Date Inj'd : 8/18/2025 2:42 am Instrument : SV112
Sample : IL3,32,,ADPL25 Lot# 11846 Quant Date : 8/18/2025 5:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL7.D
 Acq On : 18 Aug 2025 03:05 am
 Operator : SV112:slr
 Sample : IL4,32,,ADPL10 Lot# 11847
 Misc : WG2104073,,ical
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 18 06:31:19 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	20015	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	113.65%	
86) IS3_Acenaphthene-d10	6.687	164	52779	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	112.49%	
100) IS3_Phenanthrene-d10	8.081	188	117593	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery	=	106.80%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Calib	Qvalue
33) 1,4-Dioxane	0.964	88	24720	No Calib #	
34) n-Decane	3.681	57	79070	No Calib	
87) Atrazine	7.922	200	61644	No Calib	
101) n-Octadecane	8.146	57	146922	No Calib	
102) Parathion	8.904	109	31859	No Calib #	
103) 3,3'-Dimethylbenzidine	10.116	212	249541	No Calib	

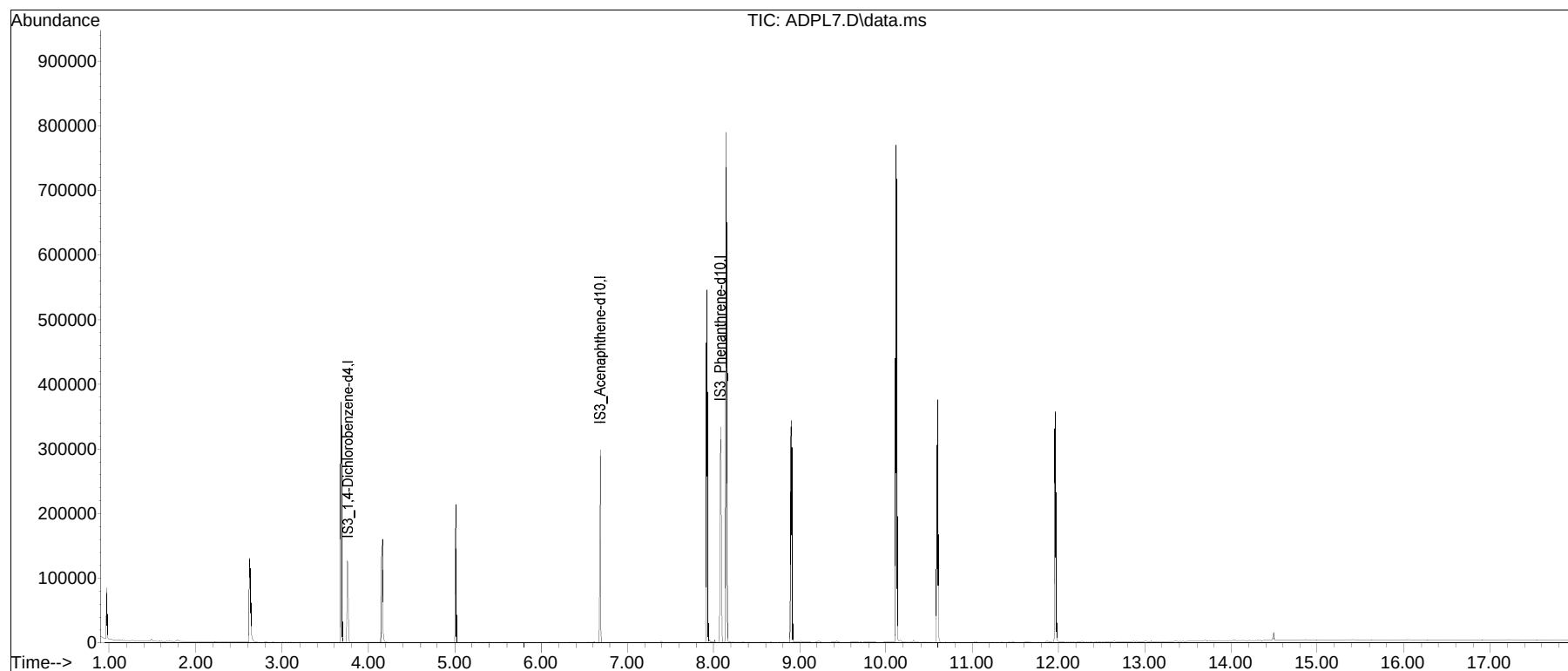
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL7.D
 Acq On : 18 Aug 2025 03:05 am
 Operator : SV112:slr
 Sample : IL4,32,,ADPL10 Lot# 11847
 Misc : WG2104073,,ical
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 18 06:31:19 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

Sub List : ~~ADPL7.D~~ I:\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : ADPL7.D Operator : SV112:slr
Date Inj'd : 8/18/2025 3:05 am Instrument : SV112
Sample : IL4,32,,ADPL10 Lot# 11847 Quant Date : 8/18/2025 5:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL6.D
 Acq On : 18 Aug 2025 03:27 am
 Operator : SV112:slr
 Sample : IL5,32,,ADPL5 Lot# 11848
 Misc : WG2104073,,ical
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 18 06:31:00 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	17611	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	100.00%	
86) IS3_Acenaphthene-d10	6.687	164	46920	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	100.00%	
100) IS3_Phenanthrene-d10	8.081	188	110103	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds					Qvalue
33) 1,4-Dioxane	0.964	88	11106	No Calib	#
34) n-Decane	3.681	57	35075	No Calib	
87) Atrazine	7.922	200	27659	No Calib	
101) n-Octadecane	8.146	57	67575	No Calib	
102) Parathion	8.899	109	13629	No Calib	#
103) 3,3'-Dimethylbenzidine	10.116	212	105688	No Calib	

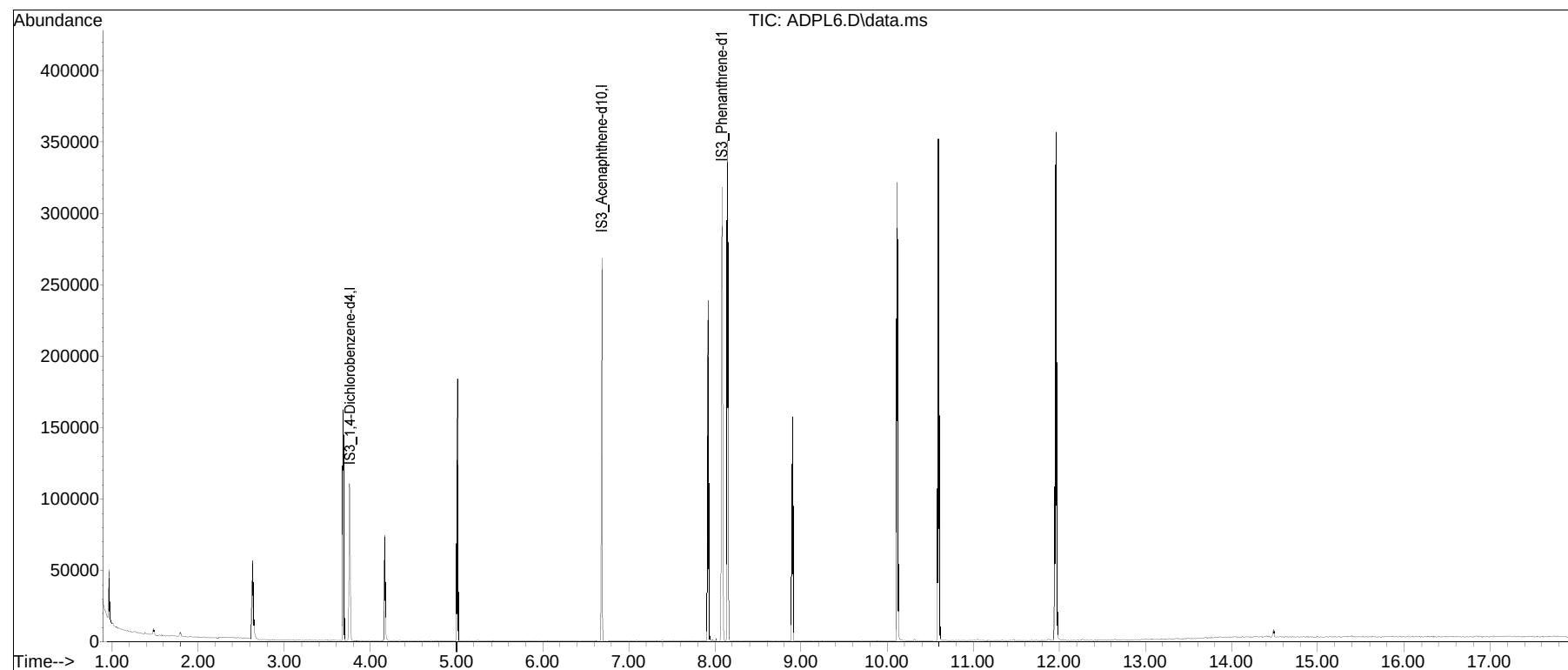
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL6.D
Acq On : 18 Aug 2025 03:27 am
Operator : SV112:slr
Sample : IL5,32,,ADPL5 Lot# 11848
Misc : WG2104073,,ical
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 18 06:31:00 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

Sub List : ~~ADPL6.D~~ ADPL6.D\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250817RVTica	Method	: FS250817SV112RVT.m
Data File	: ADPL6.D	Operator	: SV112:slr
Date Inj'd	: 8/18/2025 3:27 am	Instrument	: SV112
Sample	: IL5,32,,ADPL5 Lot# 11848	Quant Date	: 8/18/2025 5:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL5.D
 Acq On : 18 Aug 2025 03:50 am
 Operator : SV112:slr
 Sample : IL6,32,,ADPL2.5 Lot# 11849
 Misc : WG2104073,,ical
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 18 06:30:41 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.764	152	20454	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	116.14%	
86) IS3_Acenaphthene-d10	6.687	164	51962	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	110.75%	
100) IS3_Phenanthrene-d10	8.081	188	119979	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery	=	108.97%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Calib	Qvalue
33) 1,4-Dioxane	0.964	88	5947	No Calib	#
34) n-Decane	3.681	57	19749	No Calib	#
87) Atrazine	7.922	200	13327	No Calib	
101) n-Octadecane	8.146	57	34052	No Calib	
102) Parathion	8.899	109	6565	No Calib	#
103) 3,3'-Dimethylbenzidine	10.116	212	43623	No Calib	

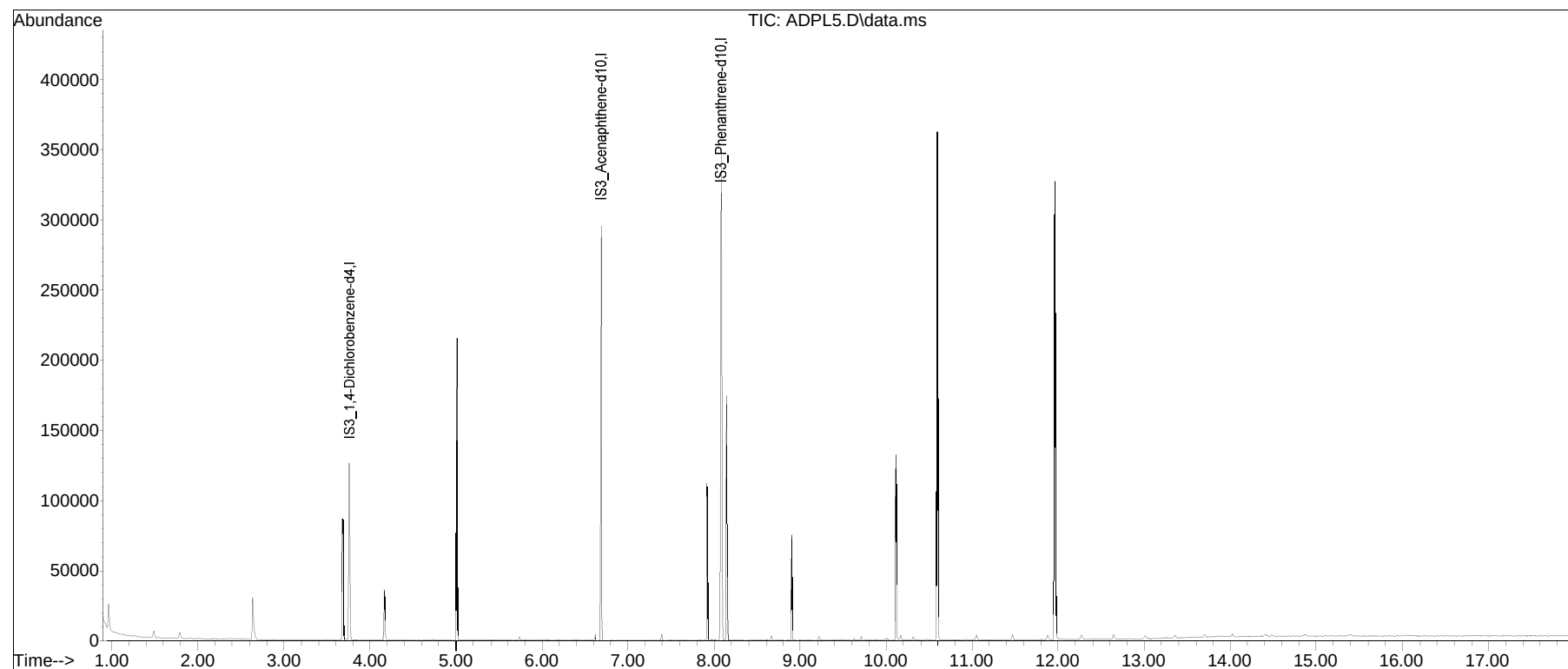
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL5.D
Acq On : 18 Aug 2025 03:50 am
Operator : SV112:slr
Sample : IL6,32,,ADPL2.5 Lot# 11849
Misc : WG2104073,,ical
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 18 06:30:41 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

Sub List : ADPL5.D\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : ADPL5.D Operator : SV112:slr
Date Inj'd : 8/18/2025 3:50 am Instrument : SV112
Sample : IL6,32,,ADPL2.5 Lot# 11849 Quant Date : 8/18/2025 5:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL4.D
 Acq On : 18 Aug 2025 04:12 am
 Operator : SV112:slr
 Sample : IL7,32,,ADPL1 Lot# 11850
 Misc : WG2104073,,ical
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 18 06:30:24 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	20396	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	115.81%	
86) IS3_Acenaphthene-d10	6.687	164	54203	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	115.52%	
100) IS3_Phenanthrene-d10	8.081	188	122484	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery	=	111.24%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Calib	Qvalue
33) 1,4-Dioxane	0.969	88	2563	No Calib	#
34) n-Decane	3.681	57	7822	No Calib	#
87) Atrazine	7.916	200	5518	No Calib	
101) n-Octadecane	8.146	57	13828	No Calib	
102) Parathion	8.898	109	2761	No Calib	#
103) 3,3'-Dimethylbenzidine	10.116	212	16562	No Calib	

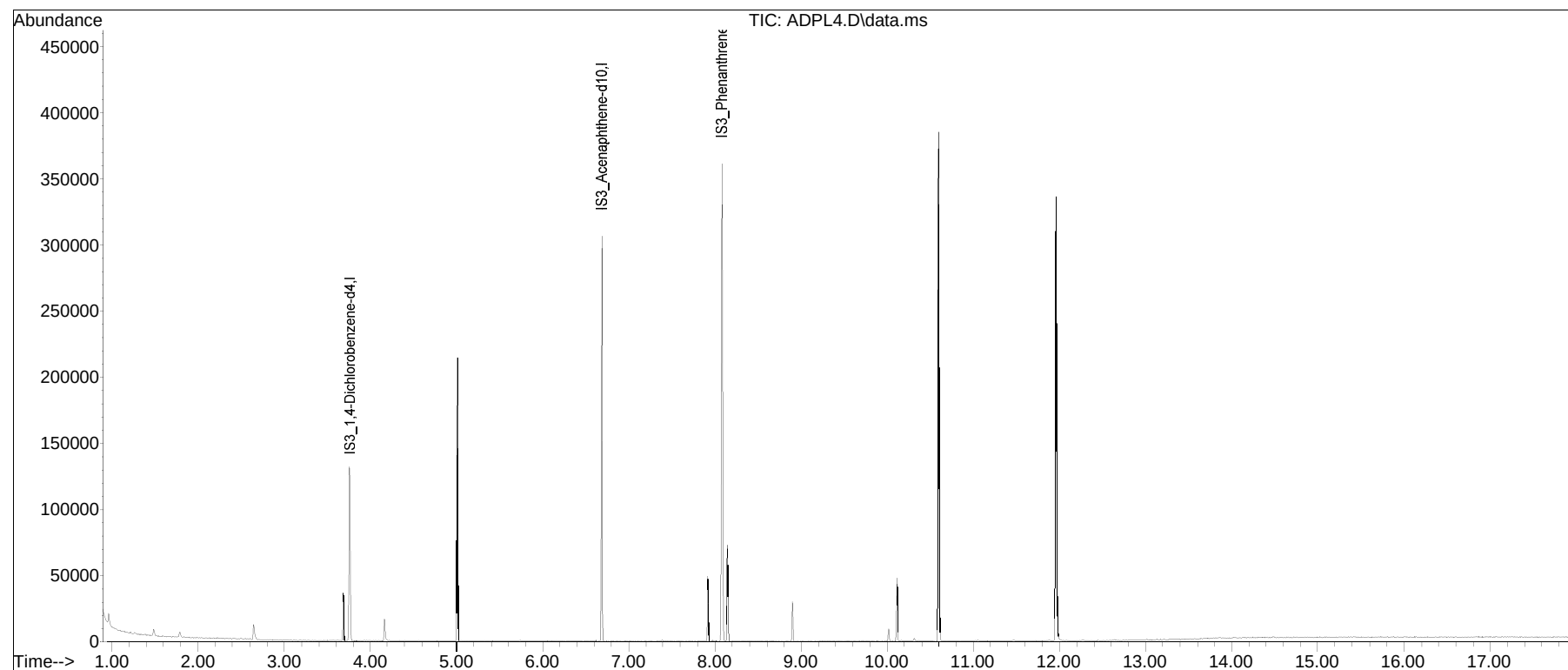
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL4.D
Acq On : 18 Aug 2025 04:12 am
Operator : SV112:slr
Sample : IL7,32,,ADPL1 Lot# 11850
Misc : WG2104073,,ical
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 18 06:30:24 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

Sub List : ~~ADPL4.D~~ I:\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : ADPL4.D Operator : SV112:slr
Date Inj'd : 8/18/2025 4:12 am Instrument : SV112
Sample : IL7,32,,ADPL1 Lot# 11850 Quant Date : 8/18/2025 5:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL3.D
 Acq On : 18 Aug 2025 04:35 am
 Operator : SV112:slr
 Sample : IL8,32,,ADPL0.5 Lot# 11851
 Misc : WG2104073,,ical
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 18 06:30:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:30:47 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.764	152	21164	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	120.17%	
86) IS3_Acenaphthene-d10	6.687	164	52983	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	112.92%	
100) IS3_Phenanthrene-d10	8.081	188	122202	4.000	ug/ml	# 0.00
Standard Area 2 = 110103			Recovery	=	110.99%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	0.970	88	1829	0.531	ug/ml	94
34) n-Decane	3.687	57	4768	0.554	ug/ml#	85
87) Atrazine	7.916	200	3192	0.505	ug/ml	98
101) n-Octadecane	8.146	57	8402	0.530	ug/ml	93
102) Parathion	8.899	109	1567	0.489	ug/ml#	82
103) 3,3'-Dimethylbenzidine	10.116	212	6836	1.488	ug/ml	99

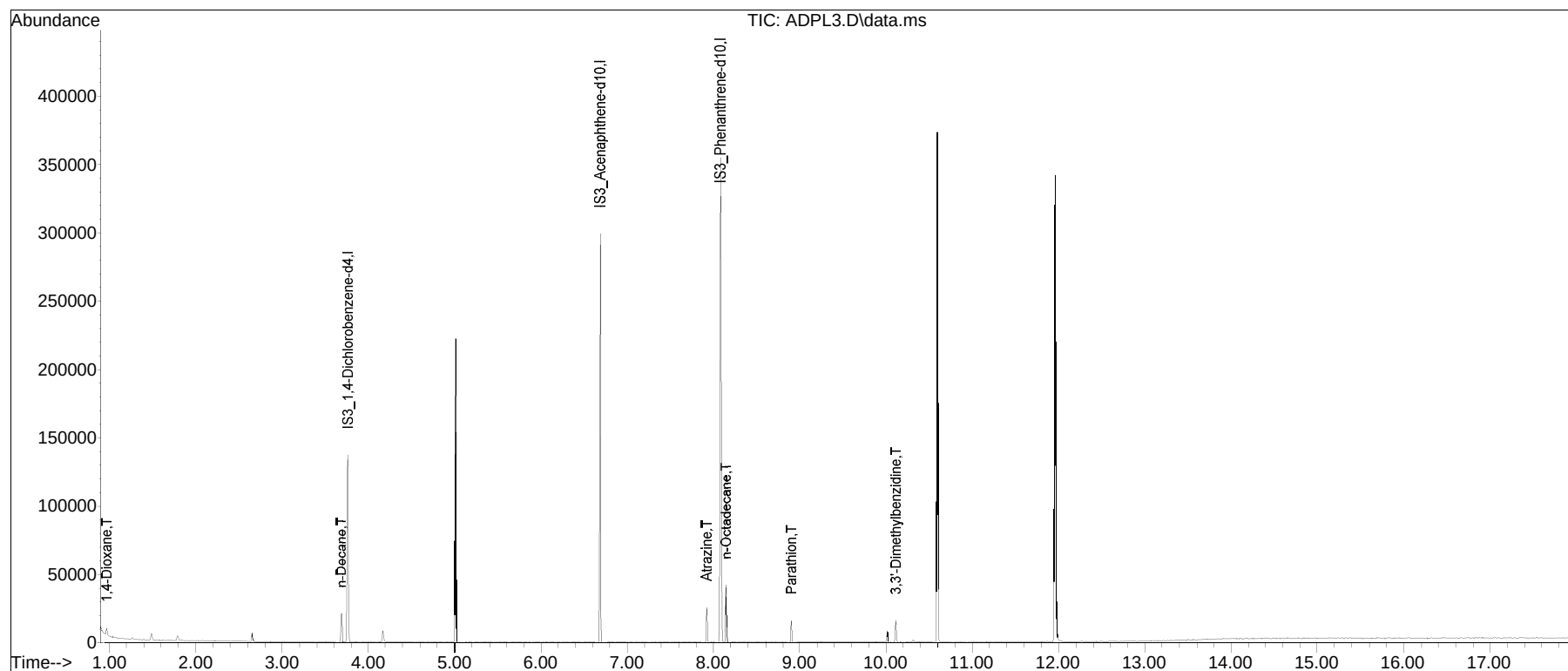
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL3.D
 Acq On : 18 Aug 2025 04:35 am
 Operator : SV112:slr
 Sample : IL8,32,,ADPL0.5 Lot# 11851
 Misc : WG2104073,,ical
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 18 06:30:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:30:47 2025
 Response via : Initial Calibration

Sub List : ADPL3.D\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : ADPL3.D Operator : SV112:slr
Date Inj'd : 8/18/2025 4:35 am Instrument : SV112
Sample : IL8,32,,ADPL0.5 Lot# 11851 Quant Date : 8/18/2025 6:30 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL2.D
 Acq On : 18 Aug 2025 04:57 am
 Operator : SV112:slr
 Sample : IL9,32,,ADPL0.2 Lot# 11852
 Misc : WG2104073,,ical
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 18 06:29:44 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:30:19 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.758	152	18403	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery =	104.50%		
86) IS3_Acenaphthene-d10	6.687	164	46659	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery =	99.44%		
100) IS3_Phenanthrene-d10	8.081	188	109824	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery =	99.75%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	0.970	88	588M2	0.193	ug/ml	
34) n-Decane	3.681	57	1346	0.163	ug/ml#	79
87) Atrazine	7.916	200	1019	0.169	ug/ml#	37
101) n-Octadecane	8.146	57	2633	0.172	ug/ml	97
102) Parathion	8.899	109	517	0.163	ug/ml#	85
103) 3,3'-Dimethylbenzidine	10.116	212	826	No Calib	#	

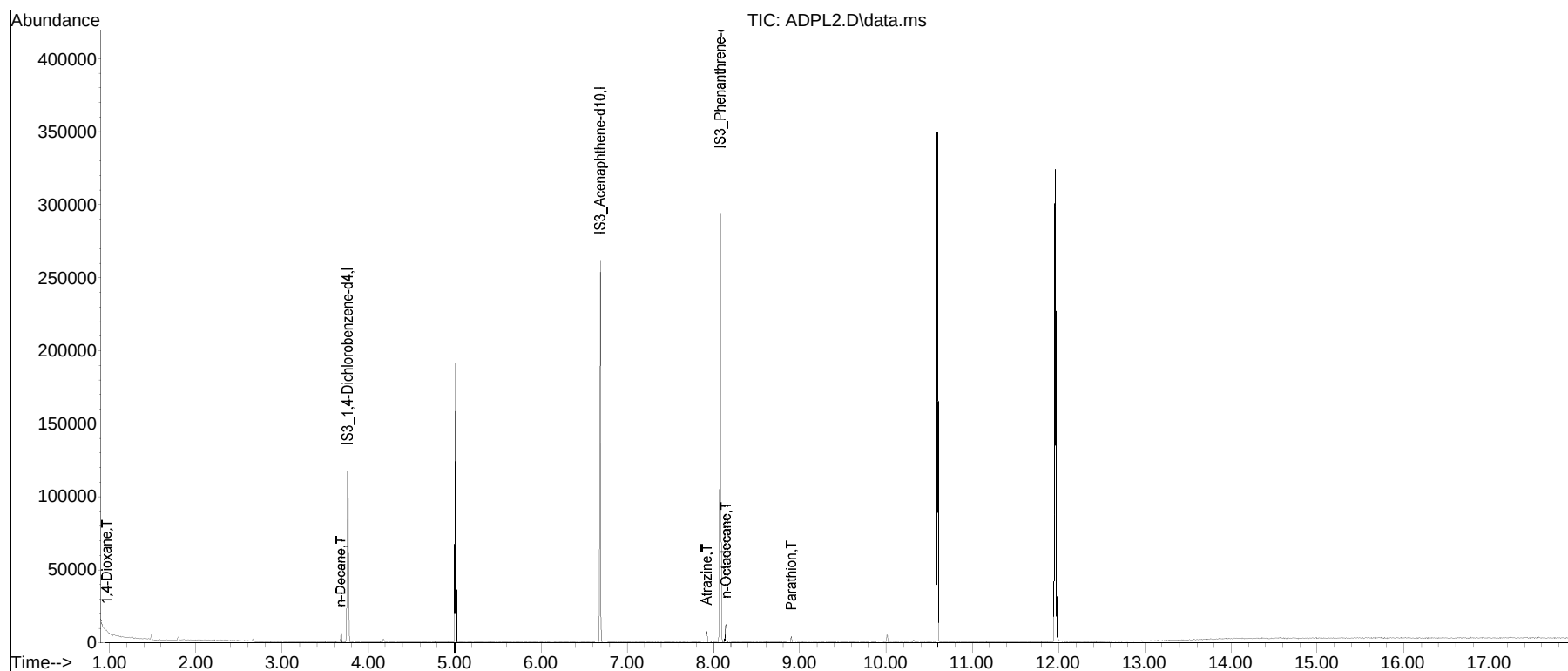
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL2.D
 Acq On : 18 Aug 2025 04:57 am
 Operator : SV112:slr
 Sample : IL9,32,,ADPL0.2 Lot# 11852
 Misc : WG2104073,,ical
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 18 06:29:44 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:30:19 2025
 Response via : Initial Calibration

Sub List : ~~ADPL2.D~~ ADPL2.D\8270\SV112\250817RVTical\AP9L6.D•

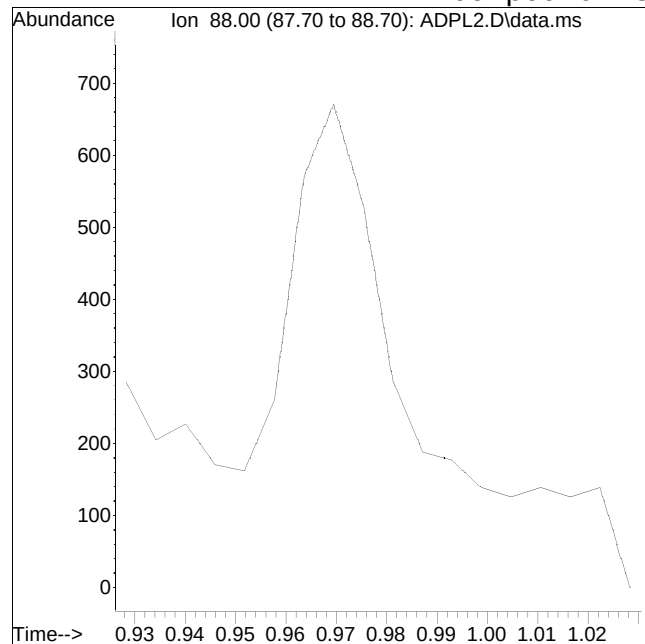


Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ADPL2.D
Date Inj'd : 8/18/2025 4:57 am
Sample : IL9,32,,ADPL0.2 Lot# 11852

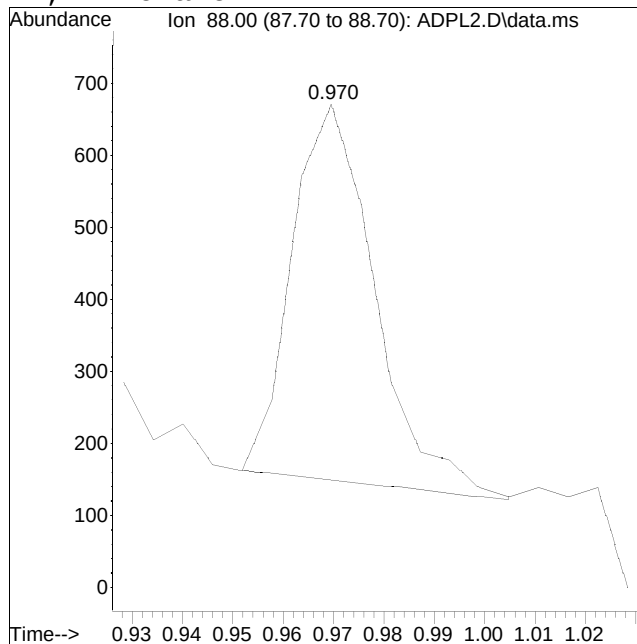
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:30 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.



Manual Peak Response = 588 M2

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL1.D
 Acq On : 18 Aug 2025 05:20 am
 Operator : SV112:slr
 Sample : IL10,32,,ADPL0.1 Lot# 11867
 Misc : WG2104073,,ical
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 18 06:29:15 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:28:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	16573	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery =	94.11%		
86) IS3_Acenaphthene-d10	6.687	164	41647	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery =	88.76%		
100) IS3_Phenanthrene-d10	8.081	188	98983	4.000	ug/ml	# 0.00
Standard Area 2 = 110103			Recovery =	89.90%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Calib	Qvalue
33) 1,4-Dioxane	0.964	88	275	No Calib	
34) n-Decane	3.681	57	742	No Calib	#
87) Atrazine	7.922	200	538	No Calib	#
101) n-Octadecane	8.146	57	1380	No Calib	
102) Parathion	8.899	109	286	No Calib	
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.	d

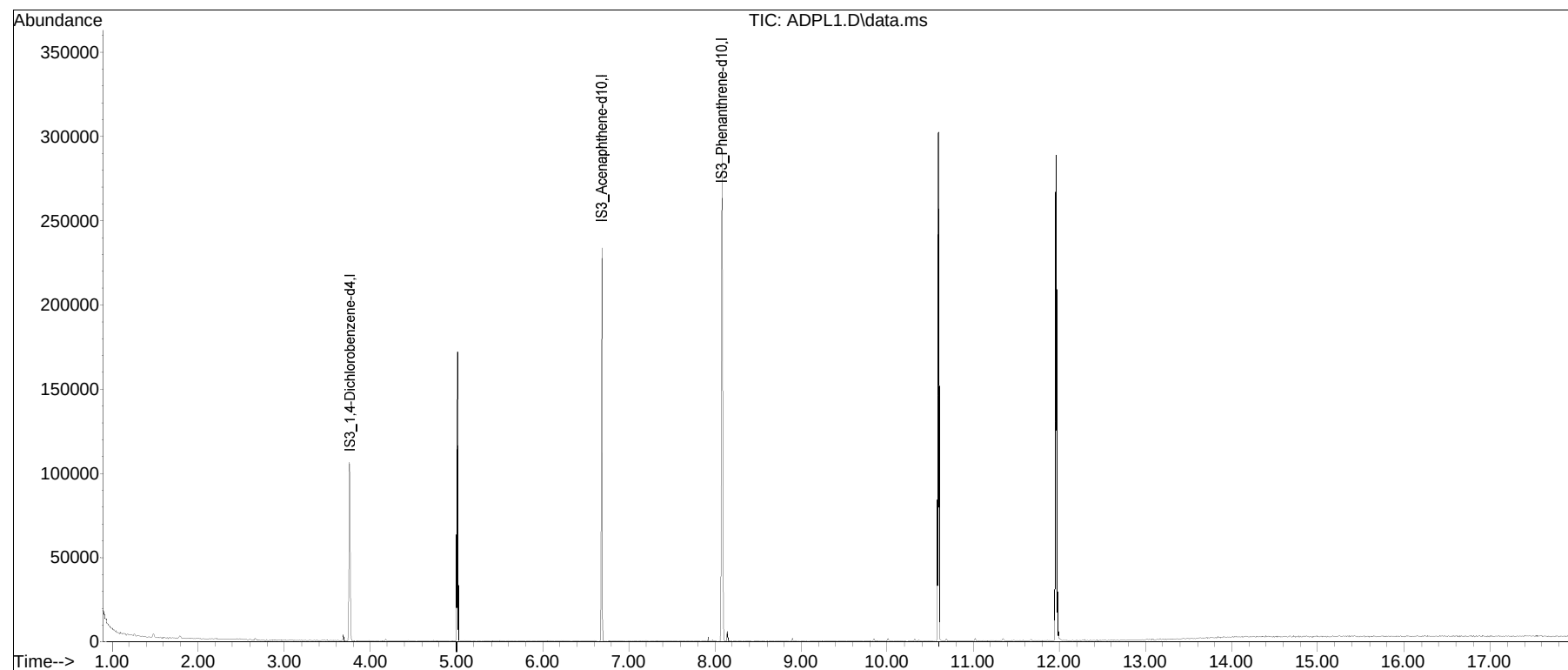
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL1.D
Acq On : 18 Aug 2025 05:20 am
Operator : SV112:slr
Sample : IL10,32,,ADPL0.1 Lot# 11867
Misc : WG2104073,,ical
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 18 06:29:15 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:28:07 2025
Response via : Initial Calibration

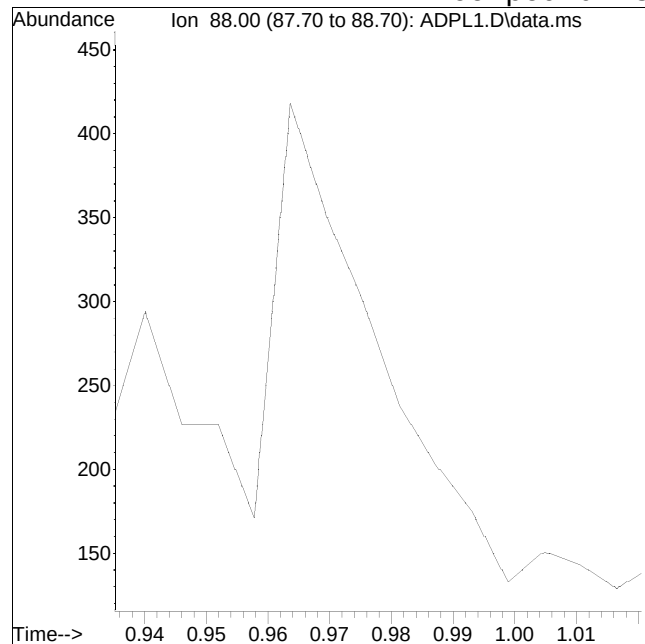
Sub List : ADPL1.D\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

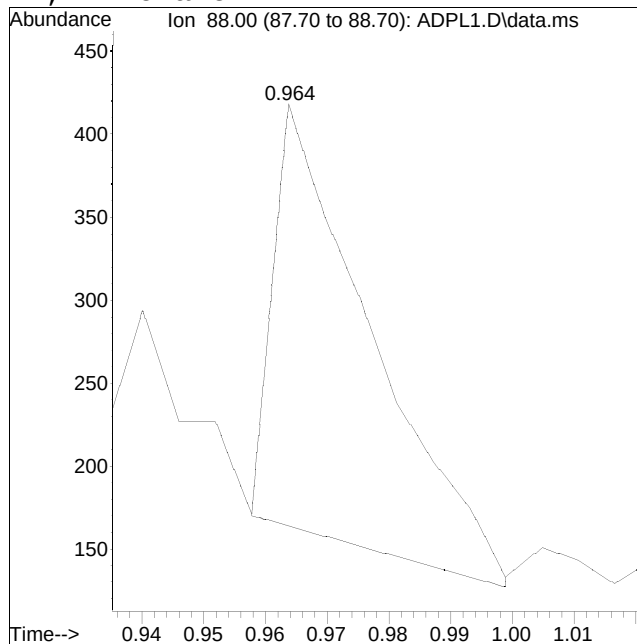
Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : ADPL1.D Operator : SV112:slr
Date Inj'd : 8/18/2025 5:20 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 11860 Quant Date : 8/18/2025 6:29 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

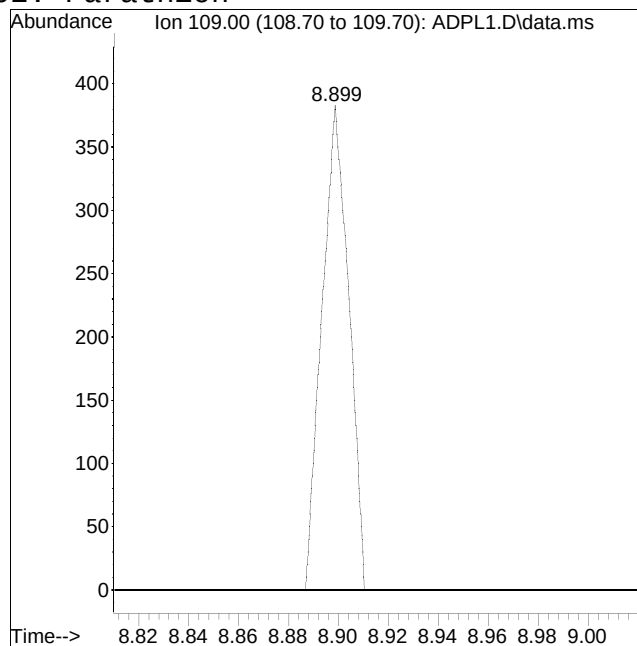
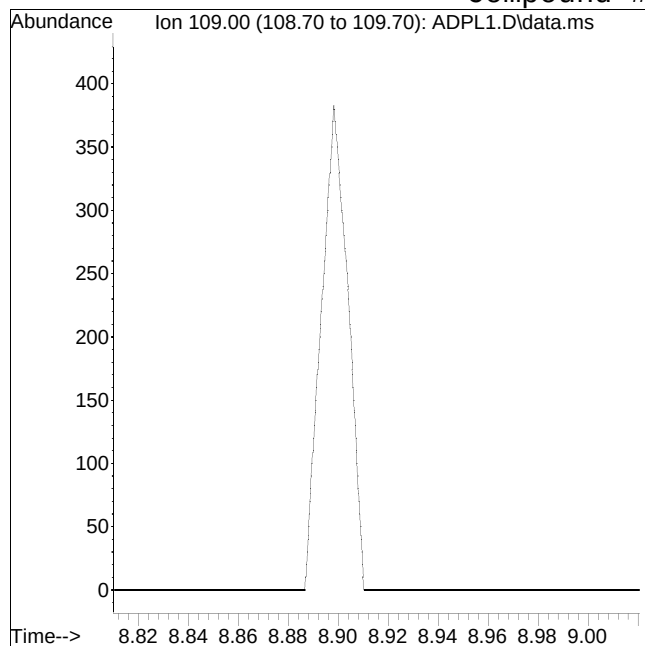


Manual Peak Response = 275 M2

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ADPL1.D
Date Inj'd : 8/18/2025 5:20 am
Sample : IL10,32,,ADPL0.1 Lot# 11860
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:29 am

Compound #102: Parathion



Original Peak Response = 0

Manual Peak Response = 286 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPICV.D
 Acq On : 18 Aug 2025 05:42 am
 Operator : SV112:slr
 Sample : CQICV,32,,ADPICV Lot# 11856
 Misc : WG2104073,,ical
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 18 06:51:33 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:51:40 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
33 T	1,4-Dioxane	0.546	0.485	11.2	99	0.00
34 T	n-Decane	1.602	1.424	11.1	92	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	103	0.00
87 T	Atrazine	0.463	0.435	6.0	95	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	104	0.00
101 T	n-Octadecane	0.496	0.443	10.7	94	0.00
102 T	Parathion	0.106	0.087	17.9	91	0.00
103 T	3,3'-Dimethylbenzidine	0.737	0.688	6.6	93	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPICV.D
 Acq On : 18 Aug 2025 05:42 am
 Operator : SV112:slr
 Sample : CQICV,32,,ADPICV Lot# 11856
 Misc : WG2104073,,ical
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 18 06:51:33 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:51:40 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.758	152	18055	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	102.52%	
86) IS3_Acenaphthene-d10	6.687	164	48116	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	102.55%	
100) IS3_Phenanthrene-d10	8.081	188	114261	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery	=	103.78%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	0.964	88	10957	4.445	ug/ml#	79
34) n-Decane	3.681	57	32142	4.445	ug/ml	90
87) Atrazine	7.922	200	26187	4.703	ug/ml	99
101) n-Octadecane	8.146	57	63239	4.462	ug/ml	94
102) Parathion	8.899	109	12453	4.098	ug/ml#	88
103) 3,3'-Dimethylbenzidine	10.116	212	98266	4.668	ug/ml	99

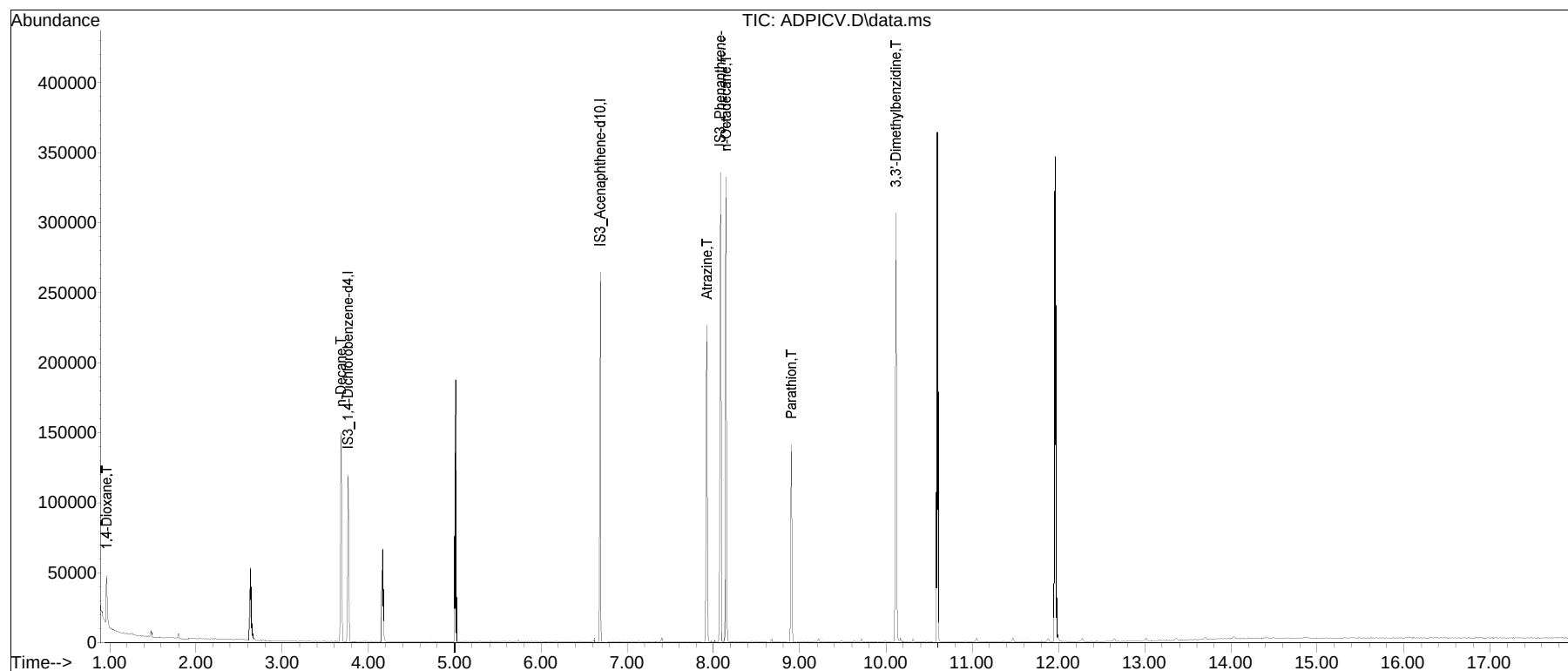
(#) = qualifier out of range (m) = manual integration (+) = signals summed

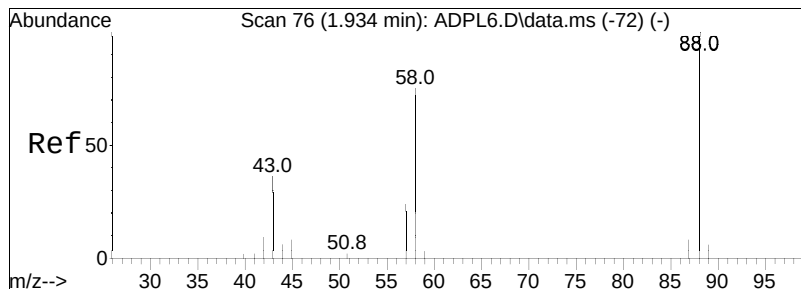
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPICV.D
 Acq On : 18 Aug 2025 05:42 am
 Operator : SV112:slr
 Sample : CQICV,32,,ADPICV Lot# 11856
 Misc : WG2104073,,ical
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 18 06:51:33 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:51:40 2025
 Response via : Initial Calibration

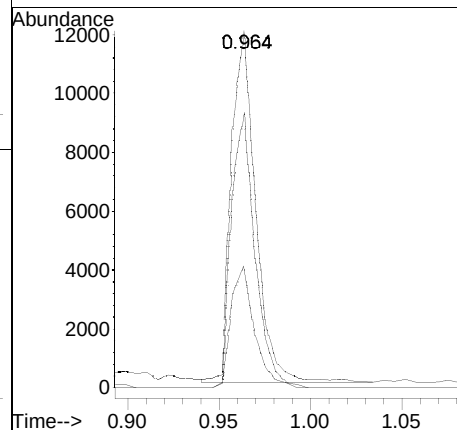
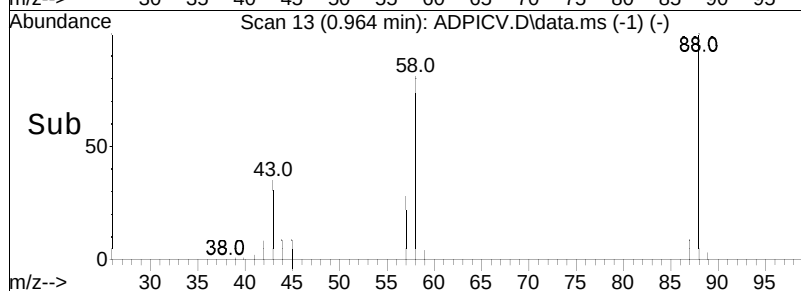
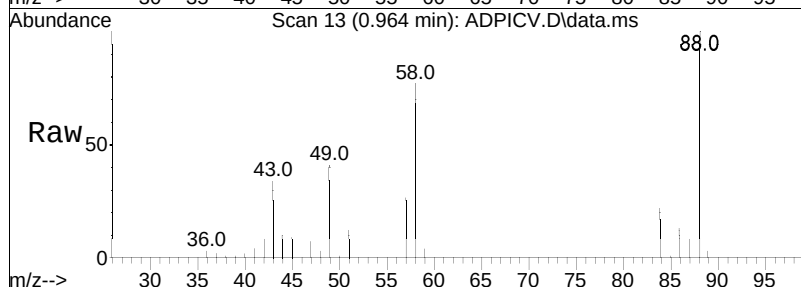
Sub List : ADPICV.D\8270\SV112\250817RVTical\AP9L6.D•

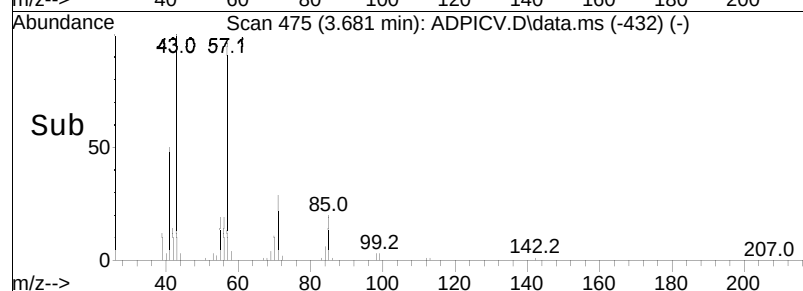
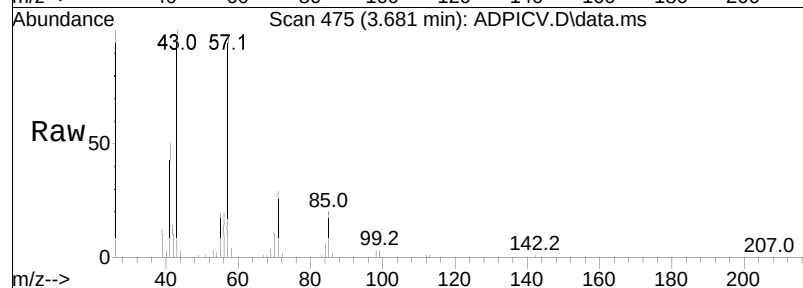
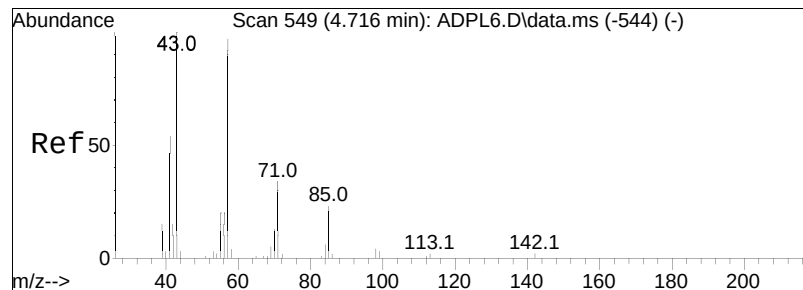




#33
 1,4-Dioxane
 Concen: 4.45 ug/ml
 RT: 0.964 min Scan# 13
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 18 Aug 2025 05:42 am

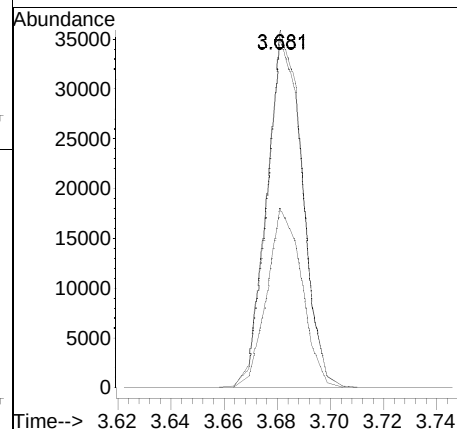
Tgt Ion: 88 Resp: 10957
 Ion Ratio Lower Upper
 88 100
 58 75.5 44.8 67.2#
 43 33.3 22.4 33.6

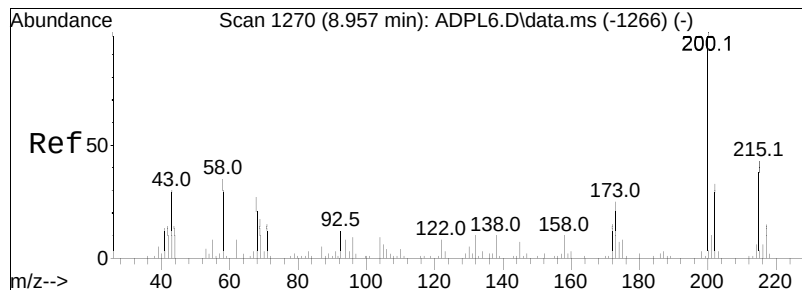




#34
n-Decane
Concen: 4.45 ug/ml
RT: 3.681 min Scan# 475
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 18 Aug 2025 05:42 am

Tgt Ion	Ratio	Lower	Upper
57	100		
43	103.1	75.4	113.2
41	50.8	35.0	52.6





#87

Atrazine

Concen: 4.70 ug/ml

RT: 7.922 min Scan# 1196

Delta R.T. 0.000 min

Lab File: ADPICV.D

Acq: 18 Aug 2025 05:42 am

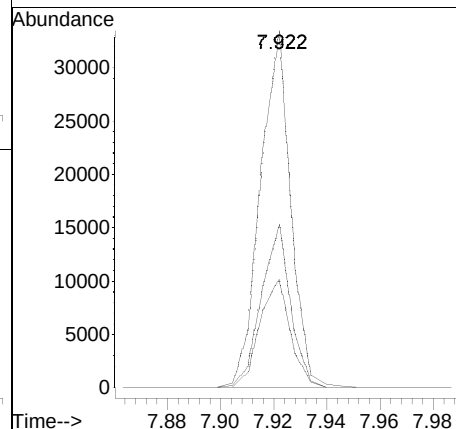
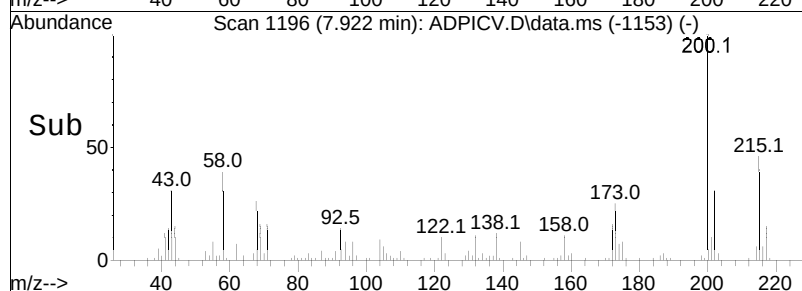
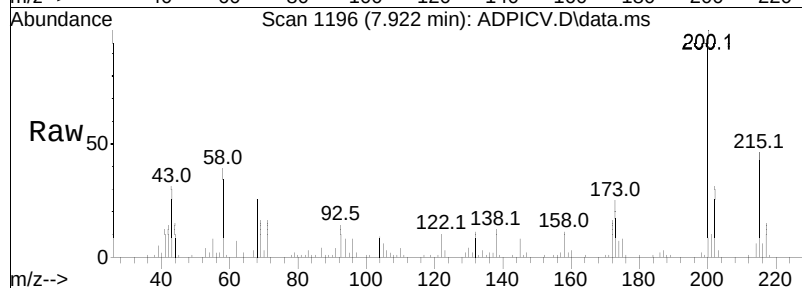
Tgt Ion: 200 Resp: 26187

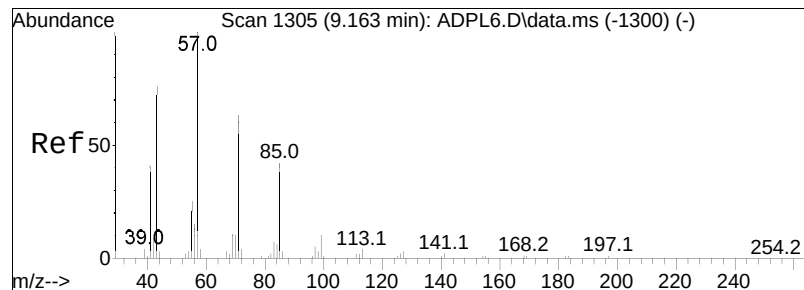
Ion Ratio Lower Upper

200 100

202 30.8 25.0 37.6

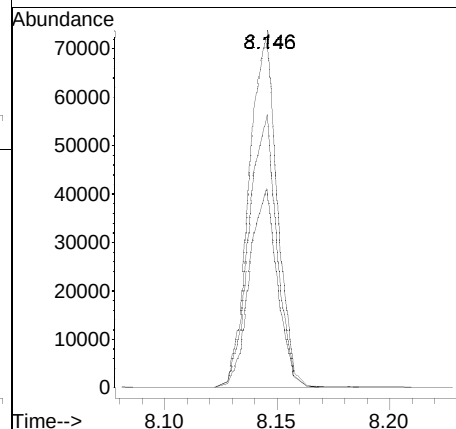
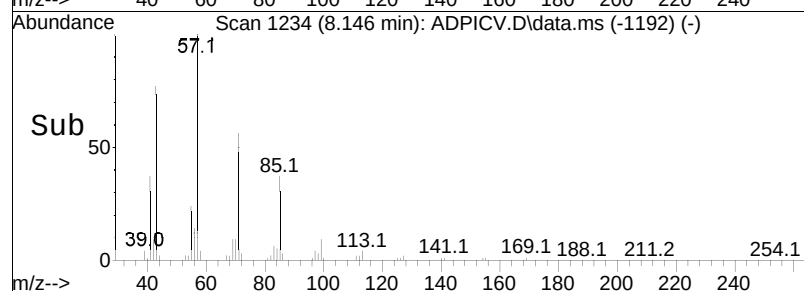
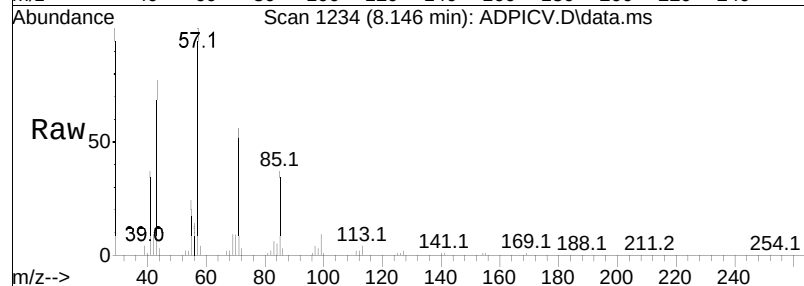
215 44.2 34.5 51.7

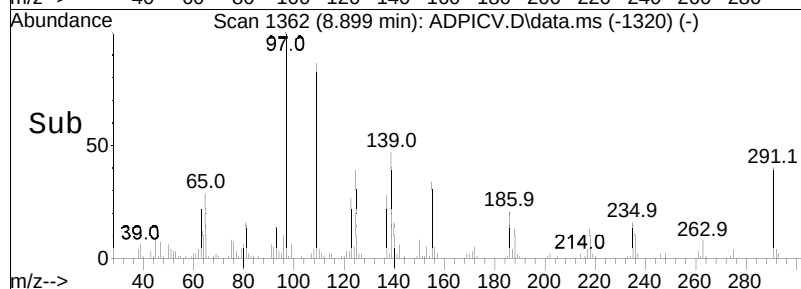
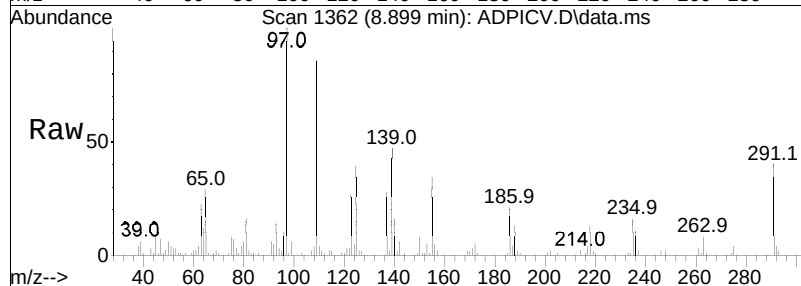
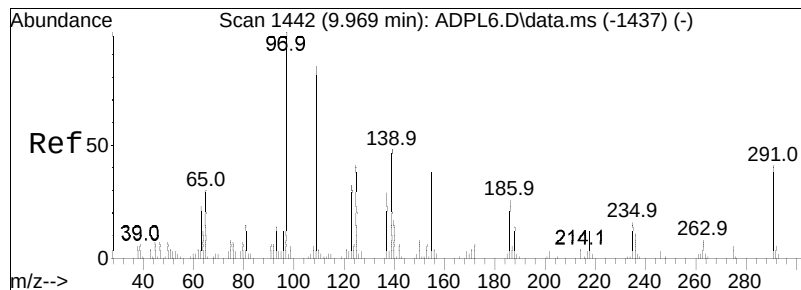




#101
 n-Octadecane
 Concen: 4.46 ug/ml
 RT: 8.146 min Scan# 1234
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 18 Aug 2025 05:42 am

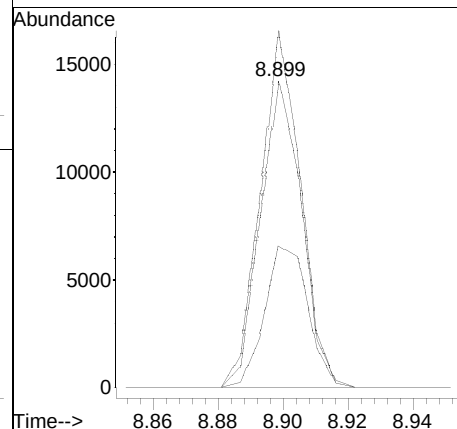
Tgt Ion	Ratio	Lower	Upper
57	100		
43	75.8	54.3	81.5
71	55.4	45.1	67.7

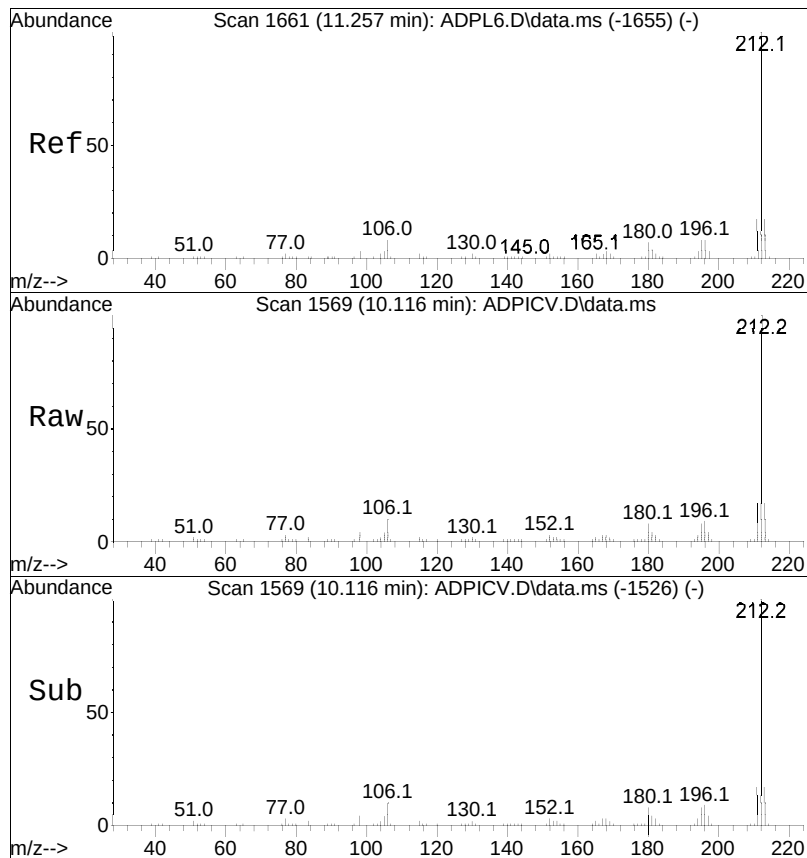




#102
 Parathion
 Concen: 4.10 ug/ml
 RT: 8.899 min Scan# 1362
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 18 Aug 2025 05:42 am

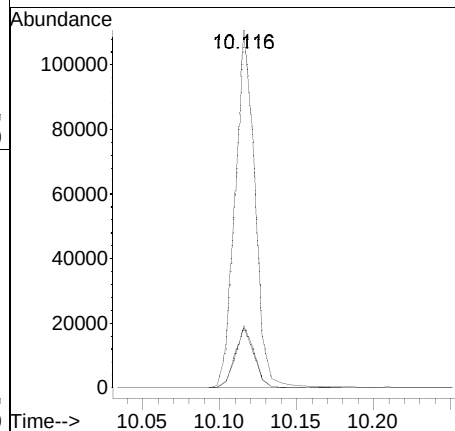
Tgt Ion	Ratio	Lower	Upper
109	100		
97	113.3	85.4	128.2
291	48.8	25.4	38.2





#103
 3,3'-Dimethylbenzidine
 Concen: 4.67 ug/ml
 RT: 10.116 min Scan# 1569
 Delta R.T. 0.000 min
 Lab File: ADPICV.D
 Acq: 18 Aug 2025 05:42 am

Tgt Ion:	212	Resp:	98266
Ion Ratio	Lower	Upper	
212	100		
211	16.7	13.3	19.9
213	16.3	13.4	20.2



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : ADPICV.D Operator : SV112:slr
Date Inj'd : 8/18/2025 5:42 am Instrument : SV112
Sample : CQICV,32,,ADPICV Lot# 11850 Quant Date : 8/18/2025 6:52 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL5a.D
 Acq On : 18 Aug 2025 06:05 am
 Operator : SV112:slr
 Sample : IL6,32,,ABNL2.5 Lot# 11882
 Misc : WG2104073,,ical
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 18 06:34:11 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:33:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	16617	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery =	88.80%		
35) IS1_Naphthalene-d8	5.010	136	66269	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	86.84%		
63) IS1_Acenaphthene-d10	6.687	164	44838	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	87.00%		
88) IS1_Phenanthrene-d10	8.081	188	100646	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	89.60%		
104) IS1_Chrysene-d12	10.598	240	123108	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	98.77%		
113) IS1_Perylene-d12	11.963	264	132537	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	98.16%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.393	112	10591	2.285	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	114.25%#		
7) Phenol-d6	3.487	99	13509	2.252	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	112.60%#		
19) Nitrobenzene-d5	4.322	82	12718	2.235	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	223.50%#		
46) 2-Fluorobiphenyl	6.087	172	38090	2.478	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	247.80%#		
79) 2,4,6-Tribromophenol	7.440	330	6606	2.424	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	121.20%#		
96) 4-Terphenyl-d14	9.651	244	72736	2.736	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	273.60%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.105	74	7972	2.414	ug/ml#	80
3) Pyridine	1.134	79	13323M1	2.440	ug/ml	
5) Aniline	3.440	93	20095	2.530	ug/ml	100
6) 2-Chlorophenol	3.552	128	12727	2.366	ug/ml	97
8) Phenol	3.499	94	15855	2.404	ug/ml	96
9) Bis(2-chloroethyl)ether	3.546	93	13088	2.375	ug/ml#	70
10) 1,3-Dichlorobenzene	3.699	146	15431	2.344	ug/ml	97
11) 1,4-Dichlorobenzene	3.775	146	15702	2.329	ug/ml	96
12) 1,2-Dichlorobenzene	3.922	146	15558	2.394	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL5a.D
 Acq On : 18 Aug 2025 06:05 am
 Operator : SV112:slr
 Sample : IL6,32,,ABNL2.5 Lot# 11882
 Misc : WG2104073,,ical
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 18 06:34:11 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:33:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	3.946	79	10436	2.303	ug/ml	93
14) Bis(2-chloroisopropyl)...	4.105	45	21761	2.431	ug/ml#	73
15) 2-Methylphenol	4.105	108	11276	2.333	ug/ml	96
16) Hexachloroethane	4.258	117	5855	2.349	ug/ml#	71
17) n-Nitrosodi-n-propylamine	4.228	70	9859	2.276	ug/ml#	92
18) 3-Methylphenol/4-Methy...	4.269	108	12476	2.348	ug/ml	98
20) Nitrobenzene	4.346	77	13053	2.207	ug/ml	96
21) Isophorone	4.599	82	27595	2.312	ug/ml	98
22) 2-Nitrophenol	4.663	139	5514	2.103	ug/ml	97
23) 2,4-Dimethylphenol	4.775	107	14260	2.433	ug/ml	97
24) Bis(2-chloroethoxy)met...	4.858	93	17745	2.347	ug/ml	99
25) 2,4-Dichlorophenol	4.910	162	11783	2.274	ug/ml	95
26) 1,2,4-Trichlorobenzene	4.975	180	15113	2.348	ug/ml	97
36) Naphthalene	5.028	128	43527	2.469	ug/ml	99
37) Benzoic Acid	4.875	105	5705	1.616	ug/ml	96
38) 4-Chloroaniline	5.122	65	5984	2.510	ug/ml	89
39) Hexachlorobutadiene	5.199	225	9377	2.208	ug/ml	98
40) p-Chloro-m-cresol	5.646	107	12690	2.389	ug/ml	98
41) 2-Methylnaphthalene	5.710	142	26764	2.386	ug/ml	97
42) 1-Methylnaphthalene	5.799	115	10838	2.419	ug/ml	98
43) Hexachlorocyclopentadiene	5.881	237	10288	2.274	ug/ml	98
44) 2,4,6-Trichlorophenol	6.010	196	10008	2.289	ug/ml	99
45) 2,4,5-Trichlorophenol	6.040	196	11330	2.400	ug/ml	99
47) 2-Chloronaphthalene	6.163	162	32110	2.462	ug/ml	95
48) 2-Nitroaniline	6.293	138	8285	2.299	ug/ml	97
49) 1,4-Dinitrobenzene	6.428	168	4102	2.330	ug/ml	93
50) 1,3-Dinitrobenzene	6.499	168	4448	2.263	ug/ml	90
51) Dimethyl phthalate	6.510	163	42611	2.592	ug/ml	99
52) Acenaphthylene	6.546	152	55434	2.624	ug/ml	99
53) 2,6-Dinitrotoluene	6.540	165	7463	2.323	ug/ml#	69
54) 1,2-Dinitrobenzene	6.575	168	3078	2.411	ug/ml#	1
64) 3-Nitroaniline	6.687	138	8402	2.457	ug/ml#	96
65) Acenaphthene	6.716	154	30543	2.469	ug/ml	94
66) 2,4-Dinitrophenol	6.793	184	3389	1.951	ug/ml#	80
67) Dibenzofuran	6.887	168	52845	2.580	ug/ml	93
68) 2,4-Dinitrotoluene	6.916	165	10540	2.412	ug/ml	88
69) 4-Nitrophenol	6.910	65	6883	2.461	ug/ml#	1
70) 2,3,5,6-Tetrachlorophenol	6.987	232	9818	2.369	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL5a.D
 Acq On : 18 Aug 2025 06:05 am
 Operator : SV112:slr
 Sample : IL6,32,,ABNL2.5 Lot# 11882
 Misc : WG2104073,,ical
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 18 06:34:11 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:33:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.028	232	10648	2.550	ug/ml	98
72)	Diethyl phthalate	7.193	149	45292	2.593	ug/ml	98
73)	Fluorene	7.210	166	42832	2.574	ug/ml	97
74)	4-Chlorophenyl phenyl ...	7.252	204	21734	2.473	ug/ml#	85
75)	4-Nitroaniline	7.257	138	8987	2.728	ug/ml	91
76)	4,6-Dinitro-o-cresol	7.299	198	6120	2.445	ug/ml#	82
77)	NDPA/DPA	7.369	169	36342	2.617	ug/ml	97
78)	Azobenzene	7.393	77	41973M6	2.763	ug/ml	
80)	4-Bromophenyl phenyl e...	7.704	248	13790	2.390	ug/ml#	83
81)	Hexachlorobenzene	7.734	284	16172	2.363	ug/ml#	88
82)	Pentachlorophenol	7.940	266	7595	2.300	ug/ml	95
89)	Phenanthrene	8.104	178	72043	2.619	ug/ml	99
90)	Anthracene	8.151	178	71733	2.628	ug/ml	99
91)	Carbazole	8.334	167	67269	2.717	ug/ml	98
92)	Di-n-butylphthalate	8.763	149	76502	2.628	ug/ml	99
93)	Fluoranthene	9.228	202	91297M3	2.761	ug/ml	
94)	Benzidine	9.410	184	49641	2.826	ug/ml#	97
95)	Pyrene	9.428	202	98472	2.915	ug/ml	99
97)	Butyl benzyl phthalate	10.175	149	31740	2.476	ug/ml	96
105)	Benzo(a)anthracene	10.587	228	100672	2.501	ug/ml	99
106)	3,3'-Dichlorobenzidine	10.622	252	34918	2.385	ug/ml	96
107)	Chrysene	10.622	228	98010	2.635	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	10.793	149	52017	2.368	ug/ml	99
109)	Di-n-octylphthalate	11.428	149	83352	2.363	ug/ml	98
110)	Benzo(b)fluoranthene	11.616	252	100621	2.553	ug/ml#	95
111)	Benzo(k)fluoranthene	11.640	252	102100M3	2.672	ug/ml	
112)	Benzo(a)pyrene	11.904	252	94498	2.595	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	12.875	276	88114M3	2.396	ug/mL	
115)	Dibenzo(a,h)anthracene	12.910	278	90140M6	2.563	ug/ml	
116)	Benzo(ghi)perylene	13.081	276	93142	2.549	ug/ml	94

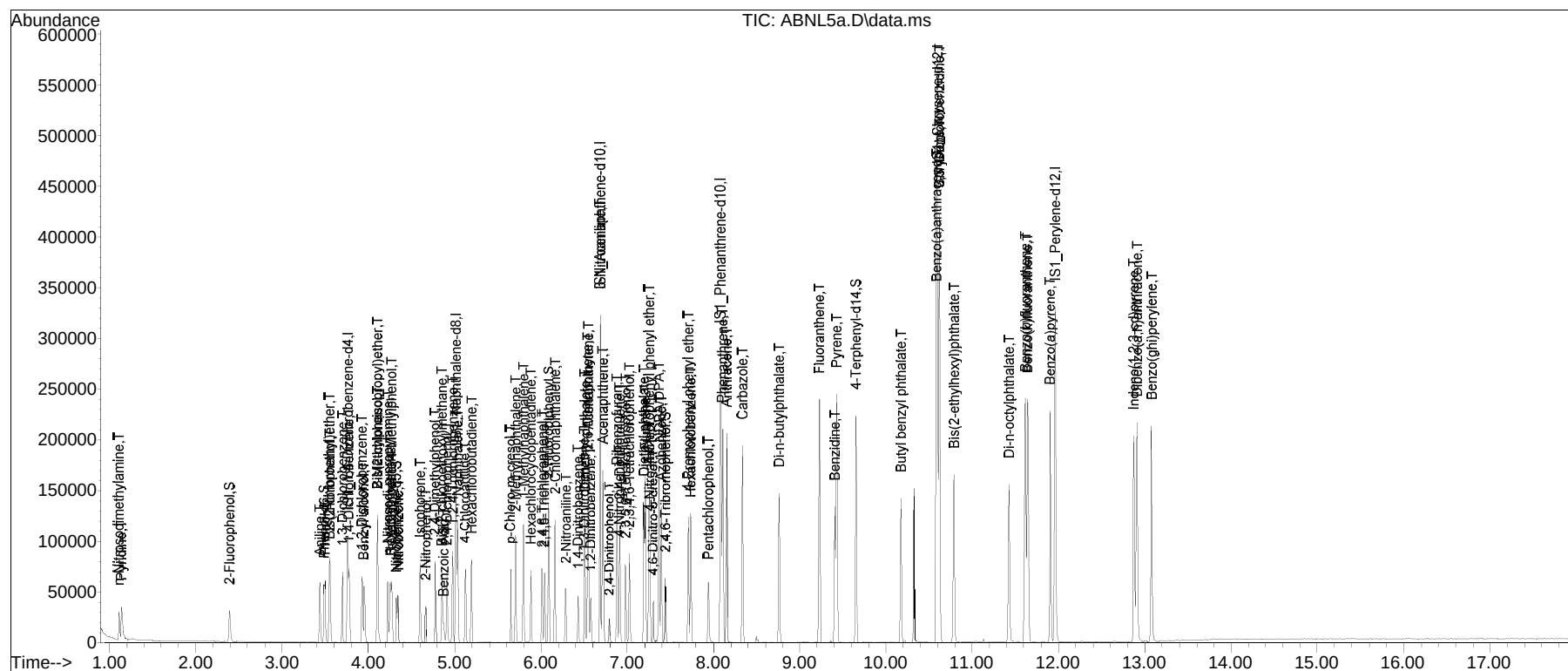
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL5a.D
Acq On : 18 Aug 2025 06:05 am
Operator : SV112:slr
Sample : IL6,32,,ABNL2.5 Lot# 11882
Misc : WG2104073,,ical
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 18 06:34:11 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:33:51 2025
Response via : Initial Calibration

Sub List : ABNica\827ABSV112\250017RVTical\AP9L6.D•

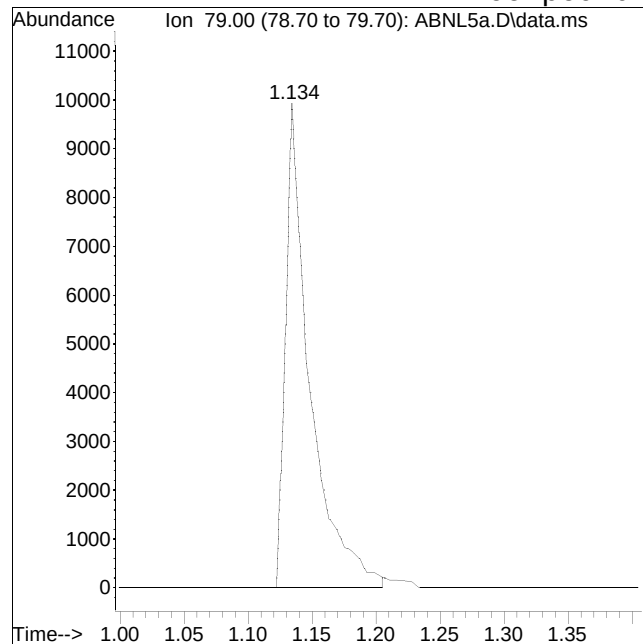


Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL5a.D
Date Inj'd : 8/18/2025 6:05 am
Sample : IL6,32,,ABNL2.5 Lot# 11882

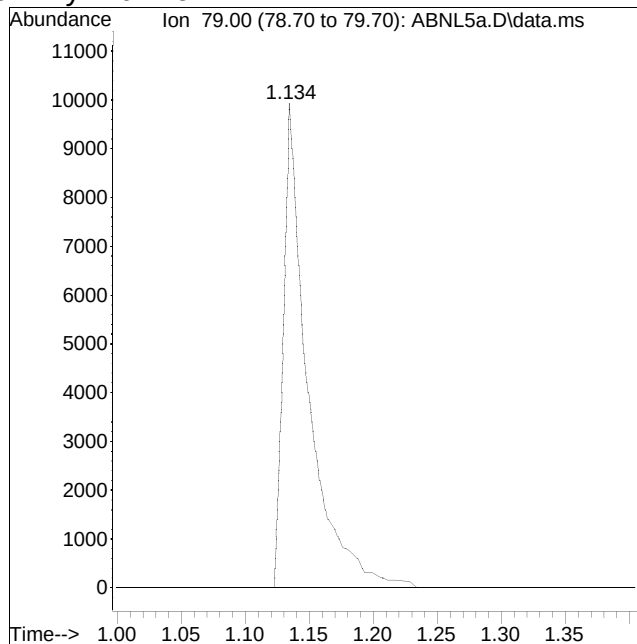
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:34 am

Compound #3: Pyridine



Original Peak Response = 13118

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

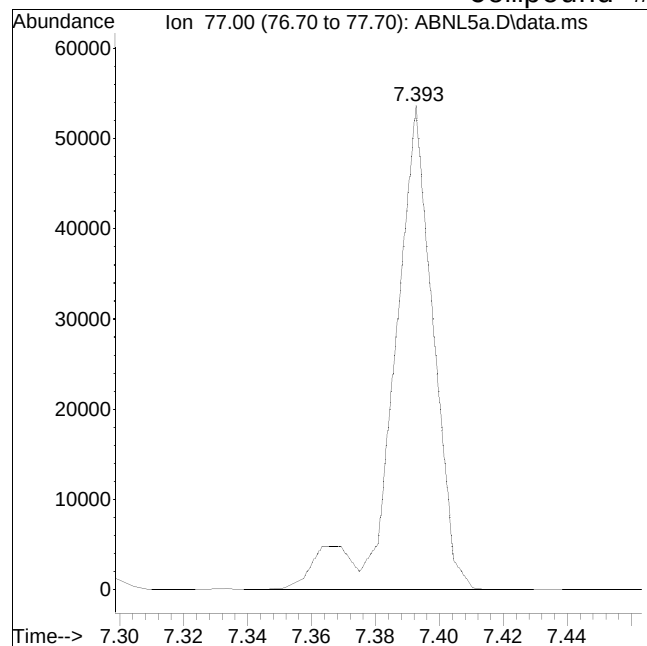


Manual Peak Response = 13323 M1

Manual Integration Report

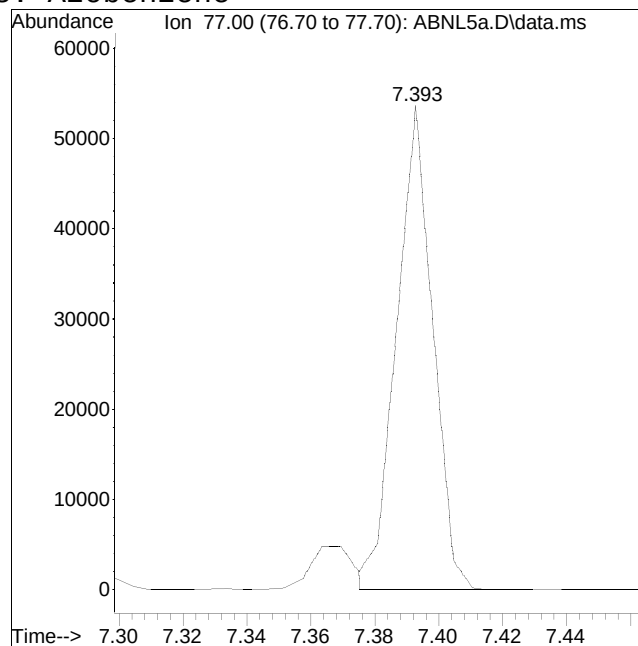
Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL5a.D
Date Inj'd : 8/18/2025 6:05 am
Sample : IL6,32,,ABNL2.5 Lot# 11882
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:34 am

Compound #78: Azobenzene



Original Peak Response = 46588

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

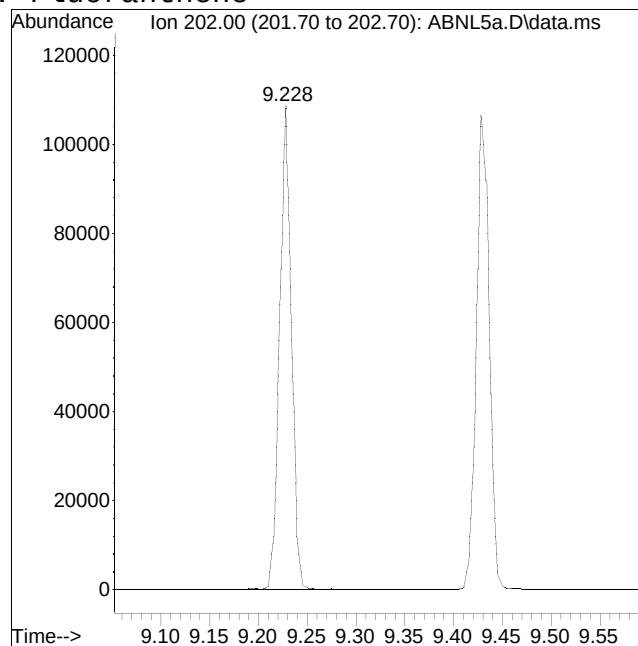
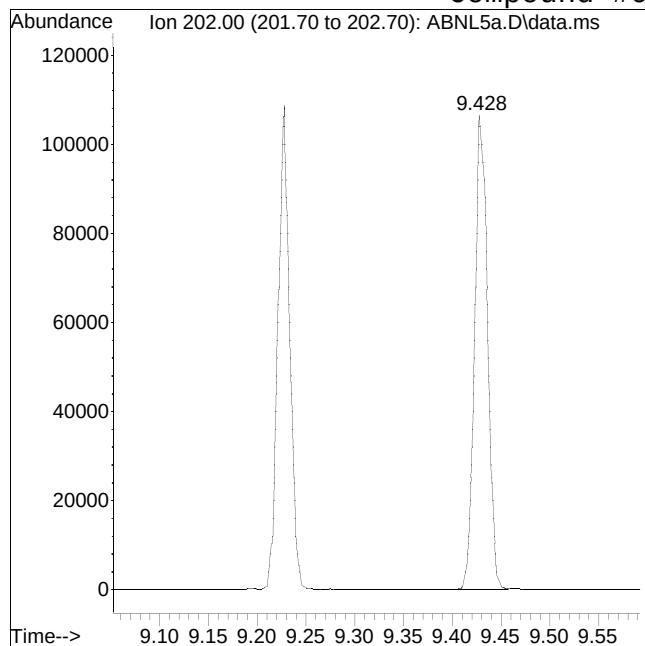


Manual Peak Response = 41973 M6

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL5a.D
Date Inj'd : 8/18/2025 6:05 am
Sample : IL6,32,,ABNL2.5 Lot# 11882
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:34 am

Compound #93: Fluoranthene



Original Peak Response = 98385

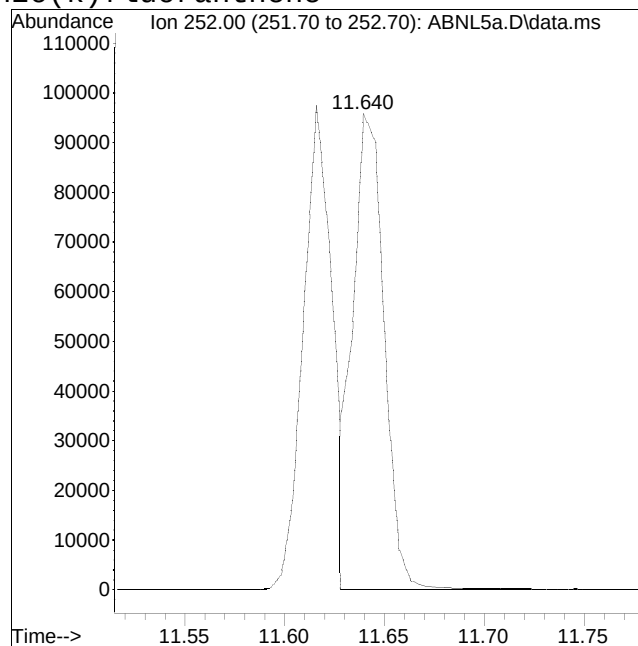
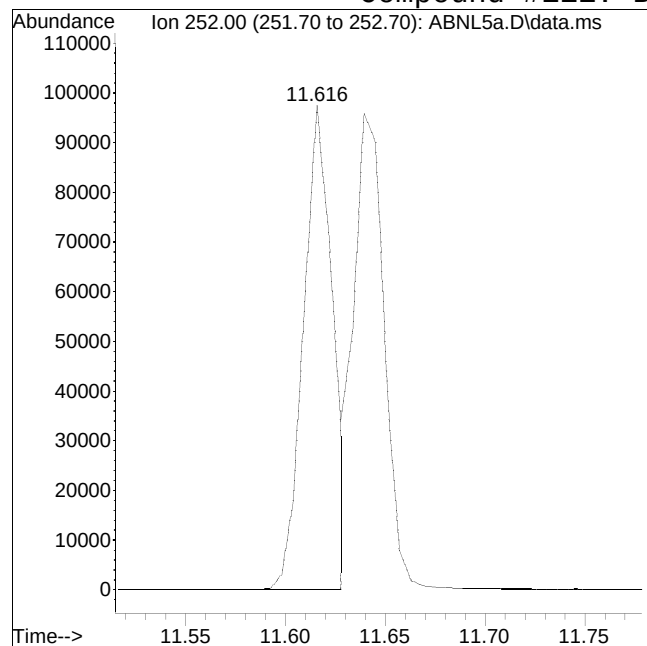
Manual Peak Response = 91297 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL5a.D
Date Inj'd : 8/18/2025 6:05 am
Sample : IL6,32,,ABNL2.5 Lot# 11882
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:34 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 100621

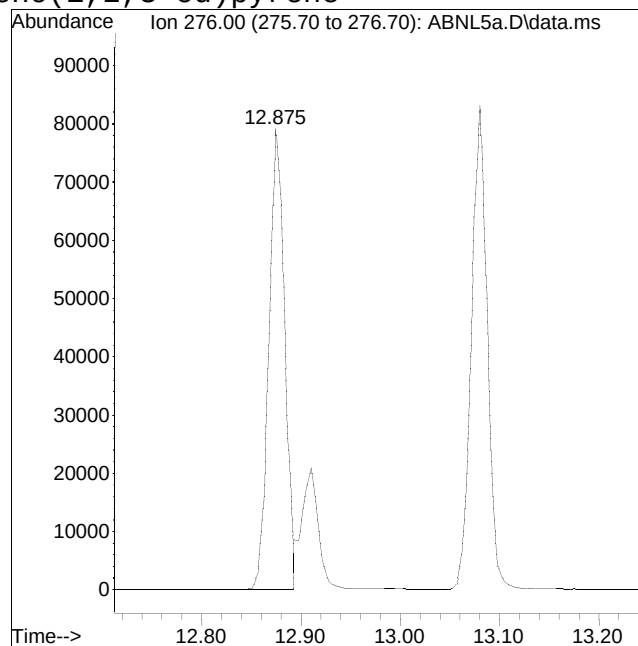
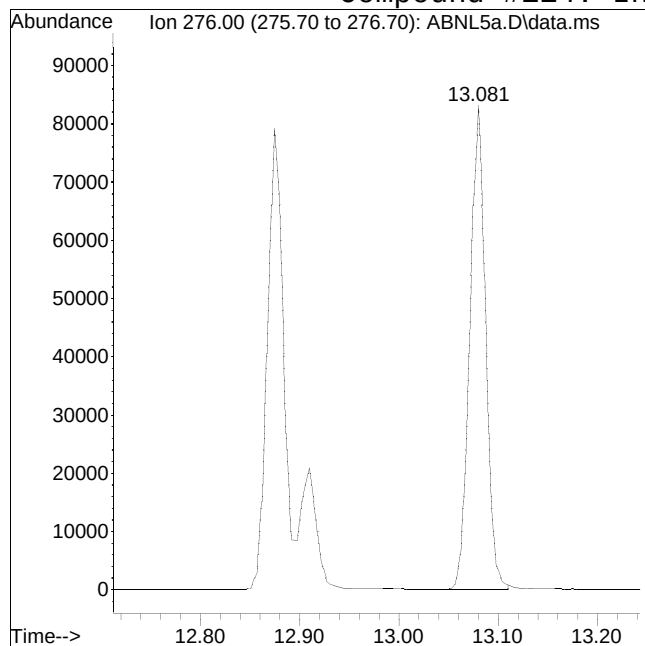
Manual Peak Response = 102100 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL5a.D
Date Inj'd : 8/18/2025 6:05 am
Sample : IL6,32,,ABNL2.5 Lot# 11882
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 92215

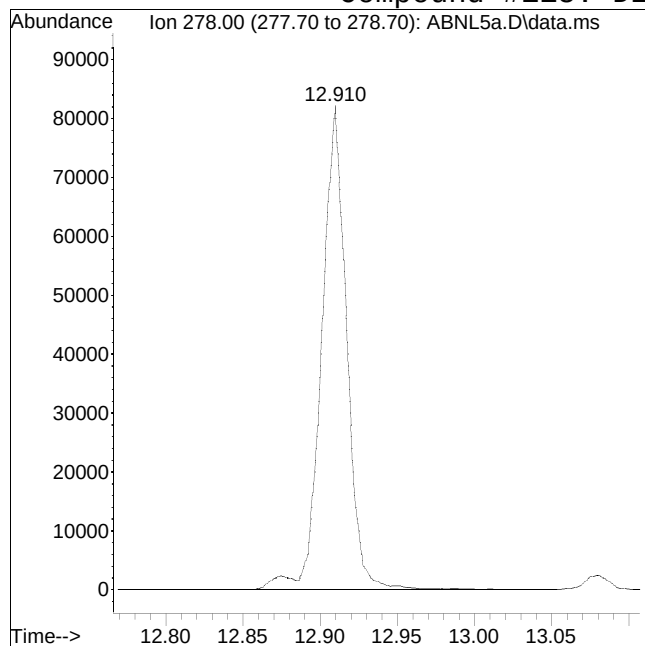
Manual Peak Response = 88114 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

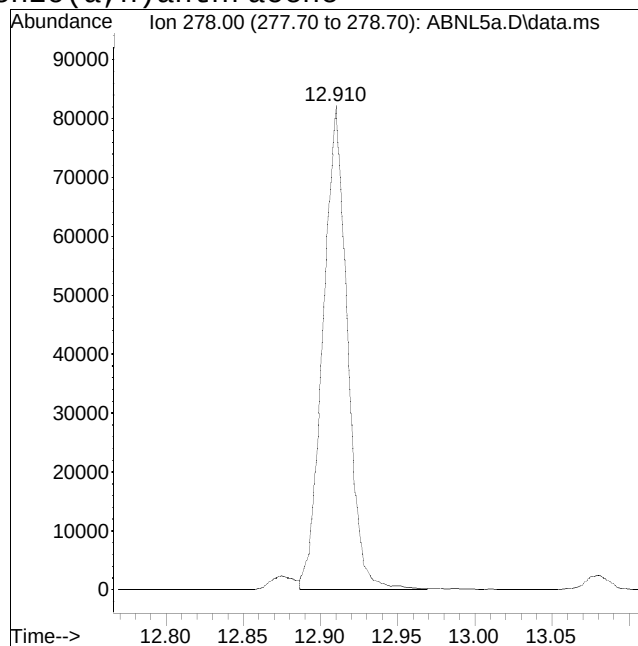
Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL5a.D
Date Inj'd : 8/18/2025 6:05 am
Sample : IL6,32,,ABNL2.5 Lot# 11882
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:34 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 93276

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 90140 M6

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNICVa.D
 Acq On : 18 Aug 2025 06:27 am
 Operator : SV112:slr
 Sample : CQICV,32,,ABNICV Lot# 11881
 Misc : WG2104073,,ical
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 09:02:59 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
2 T	n-Nitrosodimethylamine	0.792	0.776	2.0	84	0.00
3 T	Pyridine	1.349	1.396	-3.5	95	0.00
4 S	2-Fluorophenol	1.105	1.040	5.9	79	0.00
5 T	Aniline	* 5.000	4.481	10.4	85	0.00
6 T	2-Chlorophenol	1.287	1.267	1.6	81	0.00
7 S	Phenol-d6	1.428	1.443	-1.1	84	0.00
8 T	Phenol	1.581	1.586	-0.3	85	0.00
9 T	Bis(2-chloroethyl)ether	1.319	1.272	3.6	84	0.00
10 T	1,3-Dichlorobenzene	1.573	1.540	2.1	87	0.00
11 T	1,4-Dichlorobenzene	1.611	1.541	4.3	84	0.00
12 T	1,2-Dichlorobenzene	1.557	1.471	5.5	83	0.00
13 T	Benzyl alcohol	1.122	1.101	1.9	85	0.00
14 T	Bis(2-chloroisopropyl)ether	2.148	2.124	1.1	86	0.00
15 T	2-Methylphenol	1.155	1.199	-3.8	87	0.00
16 T	Hexachloroethane	0.596	0.578	3.0	85	0.00
17 T	n-Nitrosodi-n-propylamine	1.032	1.019	1.3	84	0.00
18 T	3-Methylphenol/4-Methylphen	1.270	1.291	-1.7	87	0.00
19 S	Nitrobenzene-d5	1.354	1.333	1.6	83	0.00
20 T	Nitrobenzene	1.405	1.414	-0.6	86	0.00
21 T	Isophorone	2.849	2.846	0.1	84	0.00
22 T	2-Nitrophenol	* 5.000	3.891	22.2#	78	0.00
23 T	2,4-Dimethylphenol	1.510	1.415	6.3	82	0.00
24 T	Bis(2-chloroethoxy)methane	1.807	1.824	-0.9	86	0.00
25 T	2,4-Dichlorophenol	1.335	1.242	7.0	81	0.00
26 T	1,2,4-Trichlorobenzene	1.539	1.479	3.9	85	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	96	0.00
36 T	Naphthalene	1.063	1.015	4.5	85	0.00
37 T	Benzoic Acid	* 5.000	4.080	18.4	75	0.00
38 T	4-Chloroaniline	0.144	0.145	-0.7	88	0.00
39 T	Hexachlorobutadiene	0.253	0.231	8.7	82	0.00
40 T	p-Chloro-m-cresol	0.329	0.317	3.6	83	0.00
41 T	2-Methylnaphthalene	0.674	0.678	-0.6	89	0.00
42 T	1-Methylnaphthalene	0.269	0.259	3.7	87	0.00
43 T	Hexachlorocyclopentadiene	* 5.000	4.084	18.3	78	0.00
44 T	2,4,6-Trichlorophenol	* 5.000	4.080	18.4	81	0.00
45 T	2,4,5-Trichlorophenol	* 5.000	4.356	12.9	80	0.00
46 S	2-Fluorobiphenyl	0.927	0.901	2.8	84	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNICVa.D
 Acq On : 18 Aug 2025 06:27 am
 Operator : SV112:slr
 Sample : CQICV,32,,ABNICV Lot# 11881
 Misc : WG2104073,,ical
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 09:02:59 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene		0.786	0.780	0.8	87	0.00
48 T	2-Nitroaniline	*	5.000	4.193	16.1	86	0.00
49 T	1,4-Dinitrobenzene		0.128	0.105	18.0	82	0.00
50 T	1,3-Dinitrobenzene		0.145	0.118	18.6	82	0.00
51 T	Dimethyl phthalate		0.996	1.018	-2.2	85	0.00
52 T	Acenaphthylene		1.282	1.314	-2.5	84	0.00
53 T	2,6-Dinitrotoluene	*	5.000	4.190	16.2	82	0.00
54 T	1,2-Dinitrobenzene		0.094	0.080	14.9	83	0.00
63 I	IS1_Acenaphthene-d10		1.000	1.000	0.0	97	0.00
64 T	3-Nitroaniline	*	5.000	4.493	10.1	88	0.00
65 T	Acenaphthene		1.102	1.083	1.7	89	0.00
66 T	2,4-Dinitrophenol	*	5.000	3.989	20.2#	79	0.00
67 T	Dibenzofuran		1.833	1.790	2.3	86	0.00
68 T	2,4-Dinitrotoluene	*	5.000	4.346	13.1	85	0.00
69 T	4-Nitrophenol	*	5.000	4.777	4.5	89	0.00
70 T	2,3,5,6-Tetrachlorophenol	*	5.000	4.133	17.3	80	0.00
71 T	2,3,4,6-Tetrachlorophenol	*	5.000	4.283	14.3	81	0.00
72 T	Diethyl phthalate		1.565	1.574	-0.6	86	0.00
73 T	Fluorene		1.489	1.487	0.1	88	0.00
74 T	4-Chlorophenyl phenyl ether		0.783	0.735	6.1	86	0.00
75 T	4-Nitroaniline	*	5.000	4.581	8.4	88	0.00
76 T	4,6-Dinitro-o-cresol	*	5.000	4.319	13.6	86	0.00
77 T	NDPA/DPA		1.246	1.266	-1.6	88	0.00
78 T	Azobenzene		1.371	1.451	-5.8	88	0.00
79 S	2,4,6-Tribromophenol		0.254	0.231	9.1	81	0.00
80 T	4-Bromophenyl phenyl ether		0.512	0.502	2.0	87	0.00
81 T	Hexachlorobenzene		0.607	0.566	6.8	86	0.00
82 T	Pentachlorophenol	*	5.000	4.061	18.8	80	0.00
88 I	IS1_Phenanthrene-d10		1.000	1.000	0.0	100	0.00
89 T	Phenanthrene		1.099	1.079	1.8	91	0.00
90 T	Anthracene		1.091	1.098	-0.6	90	0.00
91 T	Carbazole		0.993	1.032	-3.9	91	0.00
92 T	Di-n-butylphthalate		1.164	1.219	-4.7	89	0.00
93 T	Fluoranthene		1.329	1.365	-2.7	91	0.00
94 T	Benzidine	*	5.000	4.808	3.8	91	0.00
95 T	Pyrene		1.367	1.456	-6.5	93	0.00
96 S	4-Terphenyl-d14		1.068	1.072	-0.4	91	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNICVa.D
 Acq On : 18 Aug 2025 06:27 am
 Operator : SV112:slr
 Sample : CQICV,32,,ABNICV Lot# 11881
 Misc : WG2104073,,ical
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 09:02:59 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	*	5.000	4.446	11.1	90	0.00
104 I	IS1_Chrysene-d12		1.000	1.000	0.0	105	0.00
105 T	Benzo(a)anthracene		1.308	1.270	2.9	94	0.00
106 T	3,3'-Dichlorobenzidine		0.473	0.459	3.0	87	0.00
107 T	Chrysene		1.216	1.217	-0.1	94	0.00
108 T	Bis(2-ethylhexyl)phthalate	*	5.000	4.397	12.1	90	0.00
109 T	Di-n-octylphthalate	*	5.000	4.110	17.8	90	0.00
110 T	Benzo(b)fluoranthene		1.283	1.236	3.7	94	0.00
111 T	Benzo(k)fluoranthene		1.251	1.323	-5.8	94	0.00
112 T	Benzo(a)pyrene		1.188	1.190	-0.2	93	0.00
113 I	IS1_Perylene-d12		1.000	1.000	0.0	103	0.00
114 T	Indeno(1,2,3-cd)pyrene		1.105	1.085	1.8	90	0.00
115 T	Dibenzo(a,h)anthracene		1.064	1.080	-1.5	91	0.00
116 T	Benzo(ghi)perylene		1.105	1.114	-0.8	93	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNICVa.D
 Acq On : 18 Aug 2025 06:27 am
 Operator : SV112:slr
 Sample : CQICV,32,,ABNICV Lot# 11881
 Misc : WG2104073,,ical
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 09:02:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.758	152	17769	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery =	94.96%		
35) IS1_Naphthalene-d8	5.010	136	73475	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	96.28%		
63) IS1_Acenaphthene-d10	6.687	164	50055	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	97.12%		
88) IS1_Phenanthrene-d10	8.081	188	112490	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	100.15%		
104) IS1_Chrysene-d12	10.598	240	130657	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	104.82%		
113) IS1_Perylene-d12	11.963	264	139106	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	103.02%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.387	112	23099	4.706	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	235.30%#		
7) Phenol-d6	3.487	99	32055	5.053	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	252.65%#		
19) Nitrobenzene-d5	4.322	82	29607	4.923	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	492.30%#		
46) 2-Fluorobiphenyl	6.087	172	82749	4.859	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	485.90%#		
79) 2,4,6-Tribromophenol	7.440	330	14440	4.536	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	226.80%#		
96) 4-Terphenyl-d14	9.651	244	150724	5.019	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	501.90%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.105	74	17234	4.899	ug/ml#	76
3) Pyridine	1.122	79	31008M1	5.173	ug/ml	
5) Aniline	3.434	93	44940	4.481	ug/ml	99
6) 2-Chlorophenol	3.552	128	28134	4.921	ug/ml	94
8) Phenol	3.499	94	35232	5.017	ug/ml	94
9) Bis(2-chloroethyl)ether	3.546	93	28253	4.821	ug/ml#	68
10) 1,3-Dichlorobenzene	3.699	146	34196	4.892	ug/ml	98
11) 1,4-Dichlorobenzene	3.775	146	34220	4.782	ug/ml	97
12) 1,2-Dichlorobenzene	3.922	146	32674	4.725	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNICVa.D
 Acq On : 18 Aug 2025 06:27 am
 Operator : SV112:slr
 Sample : CQICV,32,,ABNICV Lot# 11881
 Misc : WG2104073,,ical
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 09:02:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	3.946	79	24461	4.910	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.105	45	47171	4.943	ug/ml#	71
15) 2-Methylphenol	4.105	108	26623	5.190	ug/ml	98
16) Hexachloroethane	4.252	117	12843	4.850	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.228	70	22624	4.934	ug/ml	94
18) 3-Methylphenol/4-Methy...	4.269	108	28667	5.080	ug/ml	96
20) Nitrobenzene	4.340	77	31417	5.033	ug/ml	95
21) Isophorone	4.593	82	63215	4.994	ug/ml	98
22) 2-Nitrophenol	4.663	139	12969	3.891	ug/ml	99
23) 2,4-Dimethylphenol	4.775	107	31435	4.688	ug/ml	100
24) Bis(2-chloroethoxy)met...	4.857	93	40520	5.047	ug/ml#	98
25) 2,4-Dichlorophenol	4.910	162	27593	4.654	ug/ml	96
26) 1,2,4-Trichlorobenzene	4.975	180	32858	4.807	ug/ml	96
36) Naphthalene	5.028	128	93195	4.774	ug/ml	99
37) Benzoic Acid	4.893	105	15810	4.080	ug/ml	99
38) 4-Chloroaniline	5.122	65	13330	5.040	ug/ml	92
39) Hexachlorobutadiene	5.199	225	21224	4.566	ug/ml	99
40) p-Chloro-m-cresol	5.646	107	29121	4.821	ug/ml	98
41) 2-Methylnaphthalene	5.710	142	62250	5.032	ug/ml	98
42) 1-Methylnaphthalene	5.799	115	23773	4.804	ug/ml	98
43) Hexachlorocyclopentadiene	5.881	237	24637	4.084	ug/ml	98
44) 2,4,6-Trichlorophenol	6.010	196	23463	4.080	ug/ml	98
45) 2,4,5-Trichlorophenol	6.040	196	26328	4.356	ug/ml	97
47) 2-Chloronaphthalene	6.163	162	71680	4.966	ug/ml	95
48) 2-Nitroaniline	6.293	138	19803	4.193	ug/ml	98
49) 1,4-Dinitrobenzene	6.428	168	9662	4.108	ug/ml	95
50) 1,3-Dinitrobenzene	6.504	168	10857	4.074	ug/ml	98
51) Dimethyl phthalate	6.510	163	93469	5.107	ug/ml	99
52) Acenaphthylene	6.546	152	120672	5.124	ug/ml	99
53) 2,6-Dinitrotoluene	6.540	165	17334	4.190	ug/ml#	69
54) 1,2-Dinitrobenzene	6.575	168	7351	4.270	ug/ml#	1
64) 3-Nitroaniline	6.687	138	20338	4.493	ug/ml#	98
65) Acenaphthene	6.716	154	67786	4.915	ug/ml	98
66) 2,4-Dinitrophenol	6.787	184	8850	3.989	ug/ml#	87
67) Dibenzofuran	6.887	168	112007	4.882	ug/ml	93
68) 2,4-Dinitrotoluene	6.916	165	24798	4.346	ug/ml	90
69) 4-Nitrophenol	6.910	65	18414	4.777	ug/ml#	28
70) 2,3,5,6-Tetrachlorophenol	6.987	232	23528	4.133	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNICVa.D
 Acq On : 18 Aug 2025 06:27 am
 Operator : SV112:slr
 Sample : CQICV,32,,ABNICV Lot# 11881
 Misc : WG2104073,,ical
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 09:02:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.028	232	24306	4.283	ug/ml	97
72)	Diethyl phthalate	7.193	149	98507	5.032	ug/ml	98
73)	Fluorene	7.210	166	93015	4.990	ug/ml	98
74)	4-Chlorophenyl phenyl ...	7.251	204	45988	4.693	ug/ml#	85
75)	4-Nitroaniline	7.263	138	20475	4.581	ug/ml	89
76)	4,6-Dinitro-o-cresol	7.299	198	14437	4.319	ug/ml#	82
77)	NDPA/DPA	7.369	169	79194	5.081	ug/ml	97
78)	Azobenzene	7.393	77	90814M6	5.294	ug/ml	
80)	4-Bromophenyl phenyl e...	7.704	248	31417	4.902	ug/ml#	85
81)	Hexachlorobenzene	7.734	284	35435	4.667	ug/ml#	89
82)	Pentachlorophenol	7.940	266	18224	4.061	ug/ml	97
89)	Phenanthrene	8.104	178	151732	4.909	ug/ml	99
90)	Anthracene	8.151	178	154329	5.029	ug/ml	100
91)	Carbazole	8.334	167	145179	5.197	ug/ml	99
92)	Di-n-butylphthalate	8.769	149	171468	5.240	ug/ml	100
93)	Fluoranthene	9.228	202	191999M3	5.135	ug/ml	
94)	Benzidine	9.410	184	115660	4.808	ug/ml#	98
95)	Pyrene	9.434	202	204682	5.323	ug/ml	100
97)	Butyl benzyl phthalate	10.175	149	72857	4.446	ug/ml	97
105)	Benzo(a)anthracene	10.592	228	207497	4.856	ug/ml	100
106)	3,3'-Dichlorobenzidine	10.622	252	74975	4.849	ug/ml#	98
107)	Chrysene	10.622	228	198758	5.004	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	10.792	149	117028	4.397	ug/ml	99
109)	Di-n-octylphthalate	11.428	149	194880	4.110	ug/ml	99
110)	Benzo(b)fluoranthene	11.616	252	201922	4.816	ug/ml#	97
111)	Benzo(k)fluoranthene	11.645	252	216045M3	5.286	ug/ml	
112)	Benzo(a)pyrene	11.910	252	194293	5.006	ug/ml#	96
114)	Indeno(1,2,3-cd)pyrene	12.881	276	188653M3	4.911	ug/mL	
115)	Dibenzo(a,h)anthracene	12.910	278	187733M6	5.072	ug/ml	
116)	Benzo(ghi)perylene	13.081	276	193704	5.040	ug/ml	95

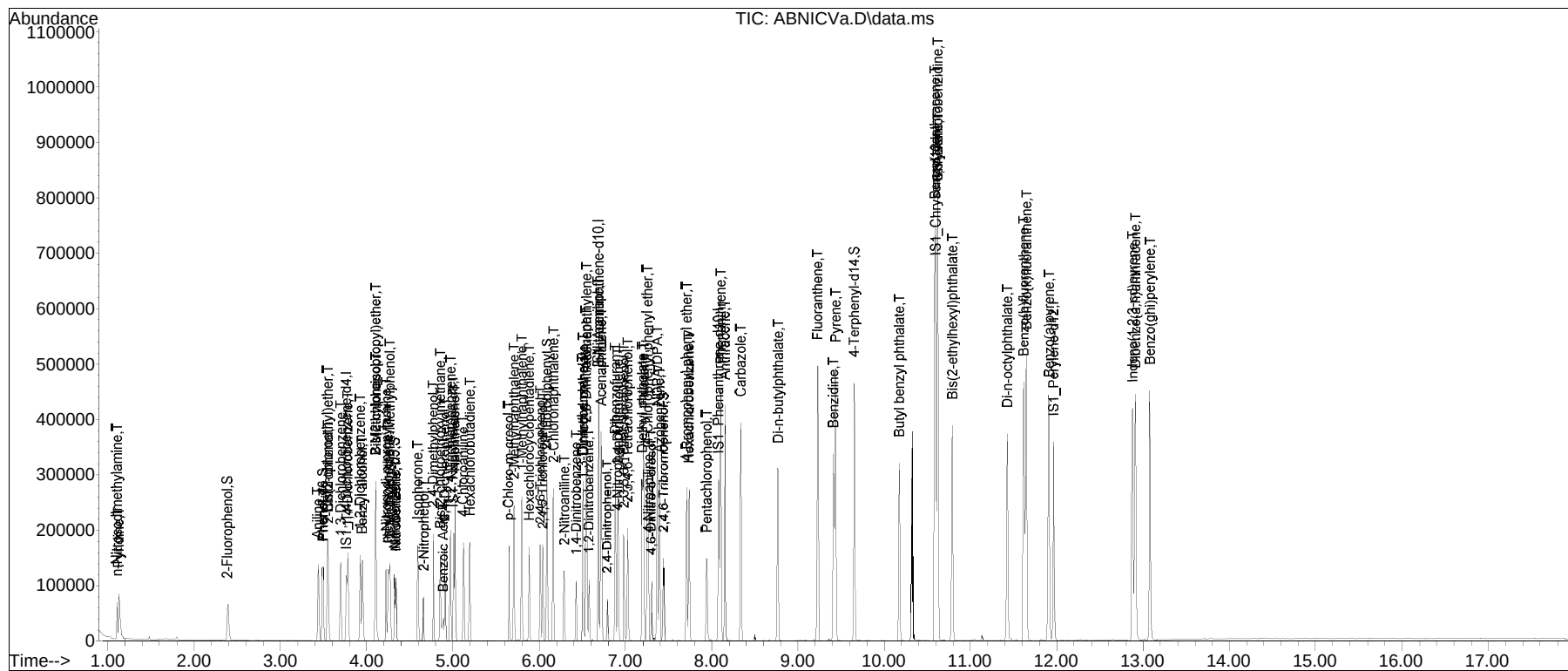
(#) = qualifier out of range (m) = manual integration (+) = signals summed

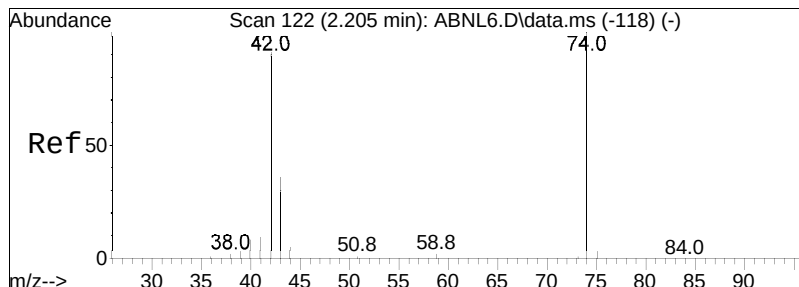
(QT Reviewed)

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Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNICVa.D
Acq On    : 18 Aug 2025  06:27 am
Operator  : SV112:slr
Sample    : CQICV,32,,ABNICV Lot# 11881
Misc      : WG2104073,,ical
ALS Vial  : 32      Sample Multiplier: 1
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Quant Time: Aug 18 09:11:12 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 09:02:59 2025
Response via : Initial Calibration

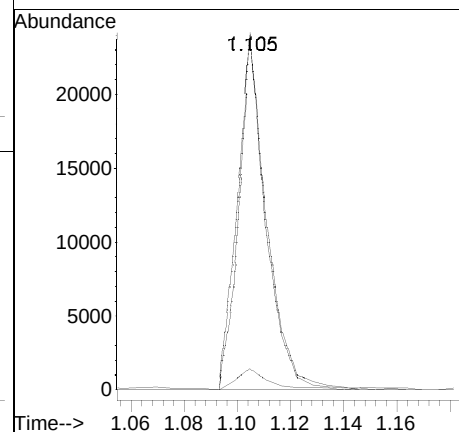
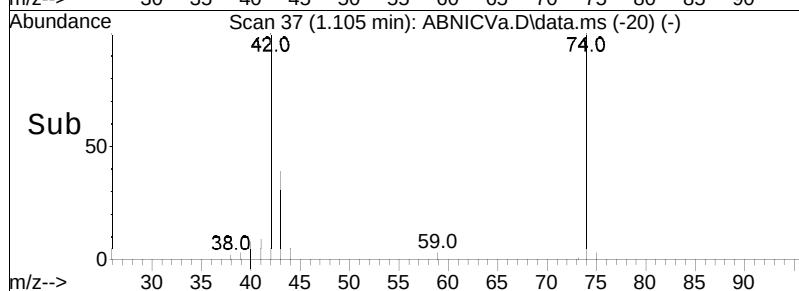
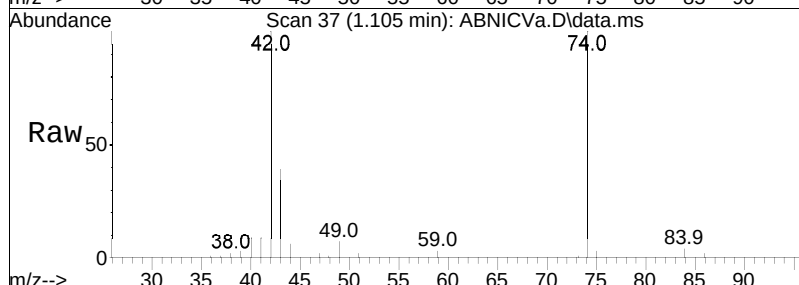
Sub List : ABNical\8270ABSVic12\250817RVTical\AP9L6.D•

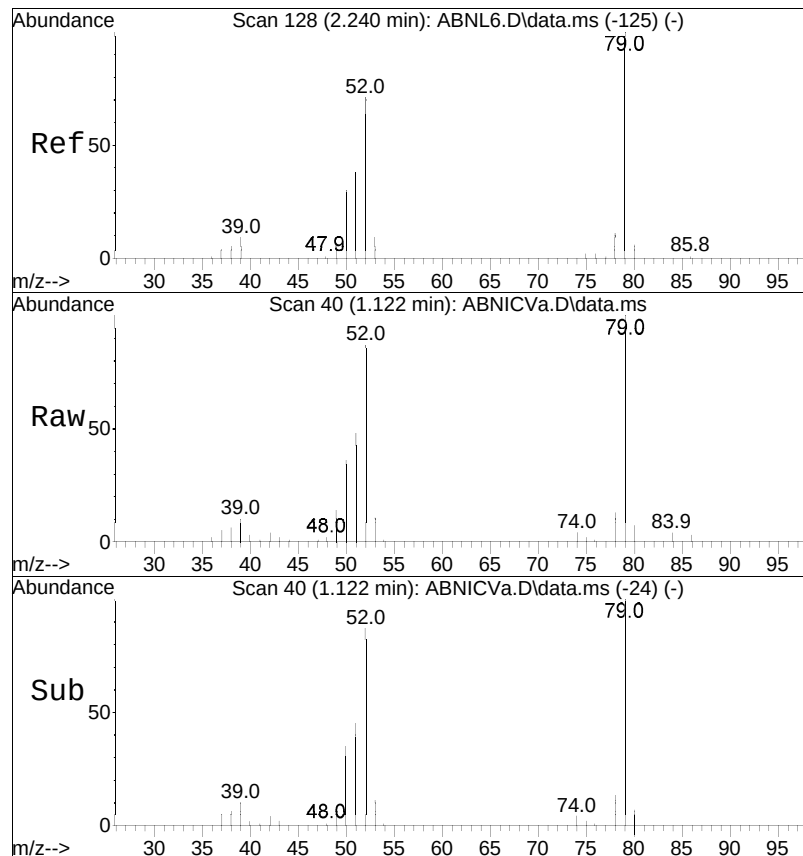




#2
 n-Nitrosodimethylamine
 Concen: 4.90 ug/ml
 RT: 1.105 min Scan# 37
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

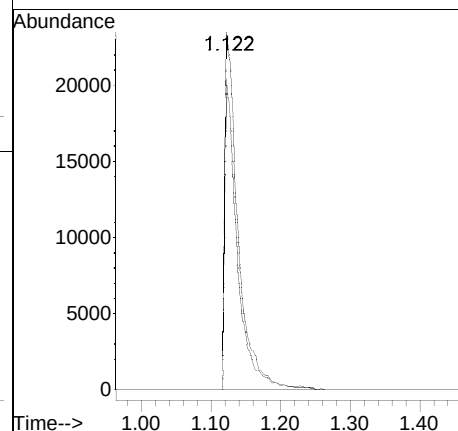
Tgt Ion: 74 Resp: 17234
 Ion Ratio Lower Upper
 74 100
 42 101.9 63.8 95.8#
 44 7.2 4.3 6.5#

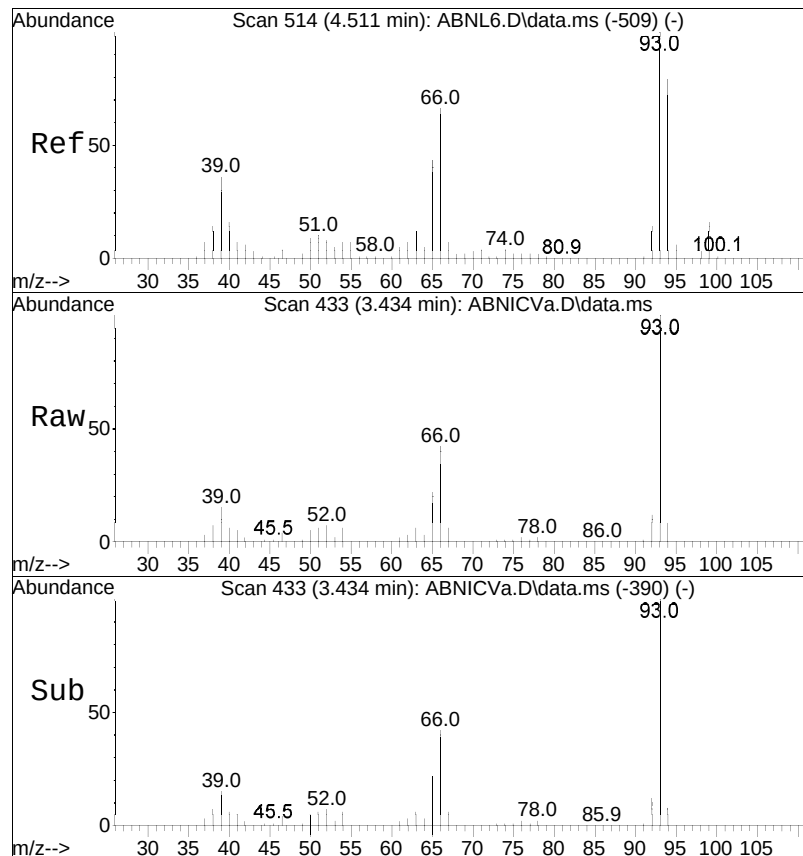




#3
 Pyridine
 Concen: 5.17 ug/ml M1
 RT: 1.122 min Scan# 40
 Delta R.T. -0.006 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

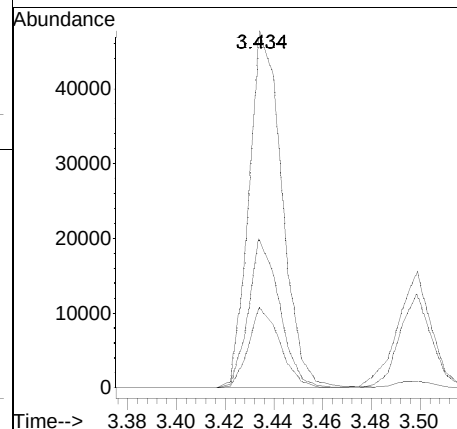
Tgt Ion	Ratio	Lower	Upper
79	100		
52	80.7	64.6	96.8

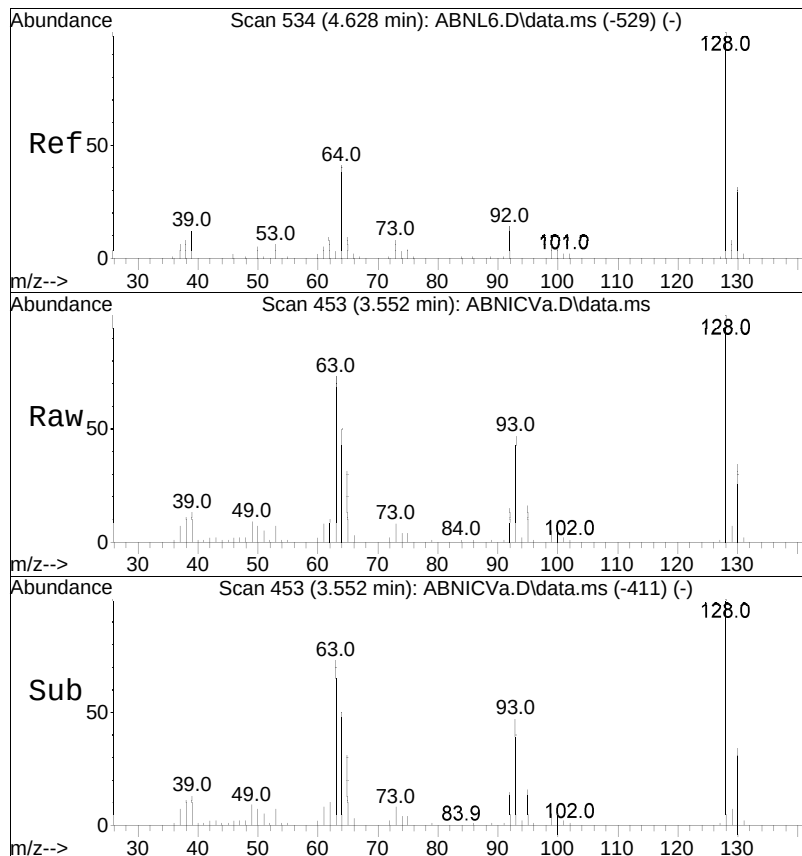




#5
 Aniline
 Concen: 4.48 ug/ml
 RT: 3.434 min Scan# 433
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

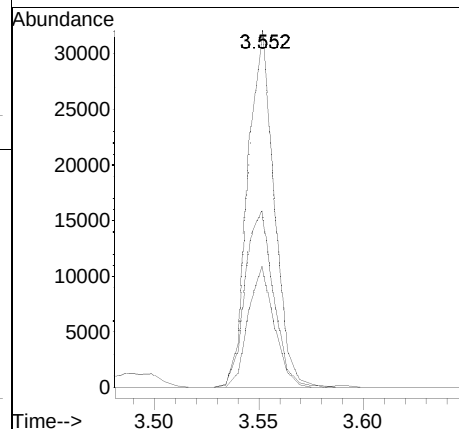
Tgt Ion:	93	Resp:	44940
Ion Ratio	Lower	Upper	
93	100		
66	39.3	31.3	46.9
65	21.5	16.6	25.0

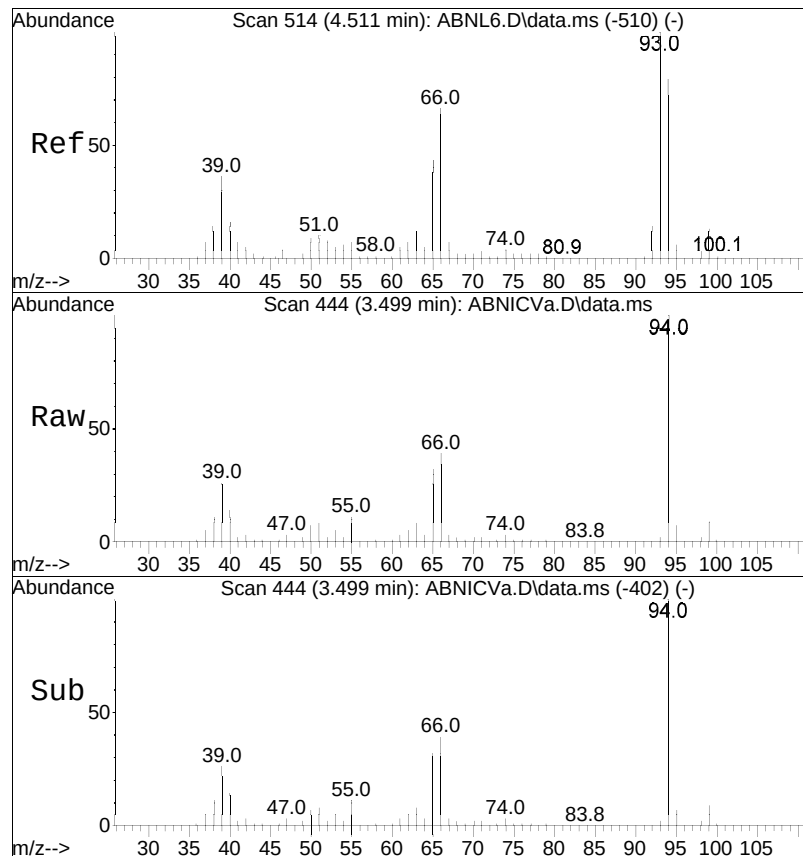




#6
 2-Chlorophenol
 Concen: 4.92 ug/ml
 RT: 3.552 min Scan# 453
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

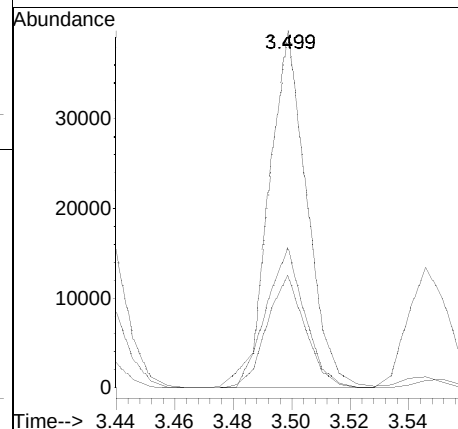
Tgt Ion:	128	Resp:	28134
Ion Ratio	Lower	Upper	
128	100		
64	53.4	38.2	57.4
130	33.5	26.2	39.2

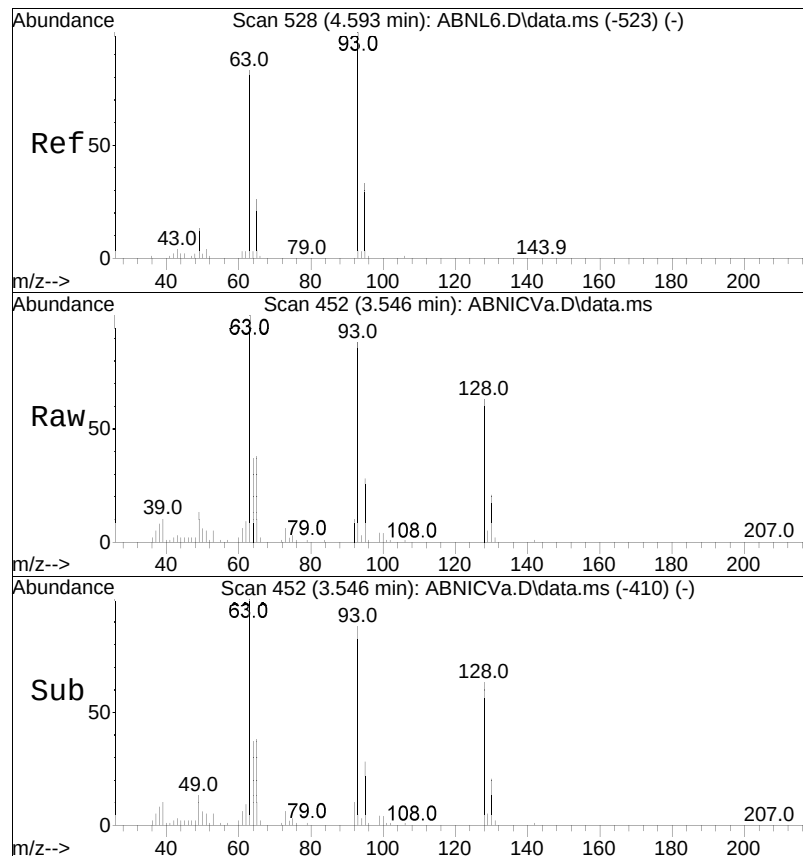




#8
 Phenol
 Concen: 5.02 ug/ml
 RT: 3.499 min Scan# 444
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

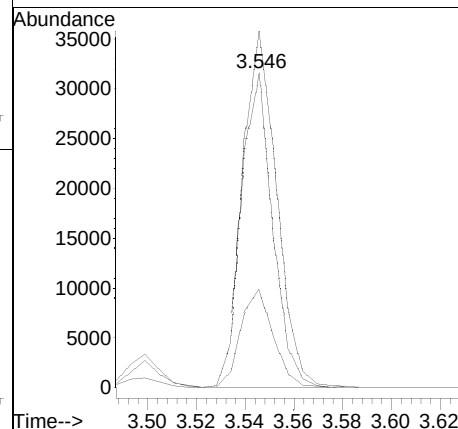
Tgt Ion:	94	Resp:	35232
Ion Ratio	Lower	Upper	
94	100		
65	32.9	23.0	34.6
66	43.3	32.1	48.1

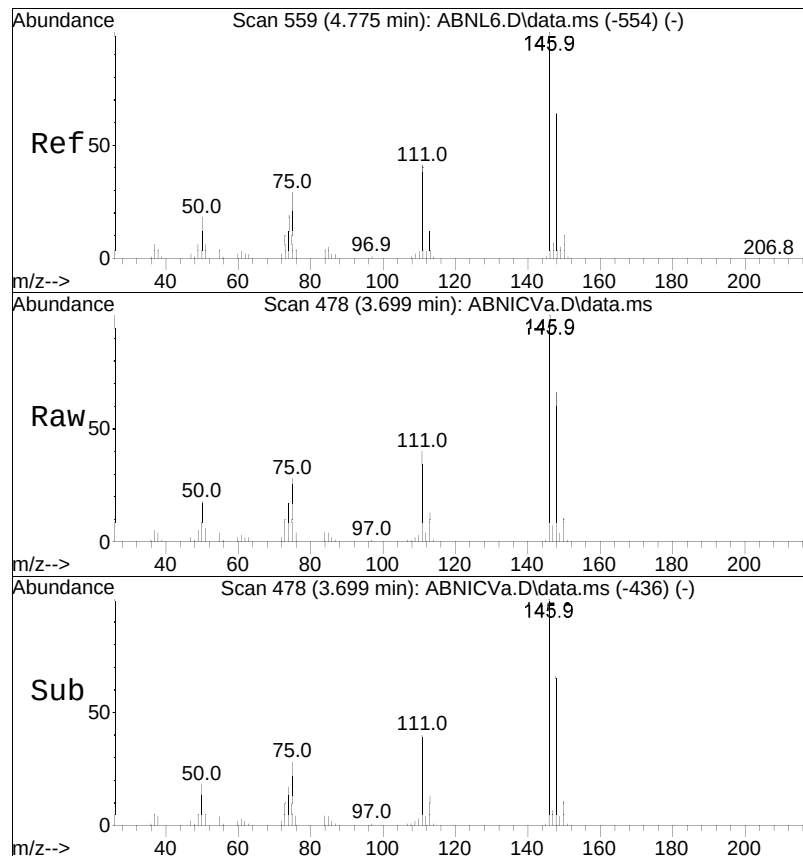




#9
 Bis(2-chloroethyl)ether
 Concen: 4.82 ug/ml
 RT: 3.546 min Scan# 452
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

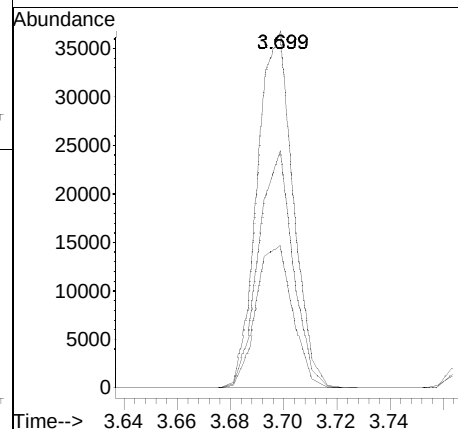
Tgt Ion:	93	Resp:	28253
Ion Ratio	Lower	Upper	
93	100		
63	123.1	67.0	100.4#
95	32.3	26.1	39.1

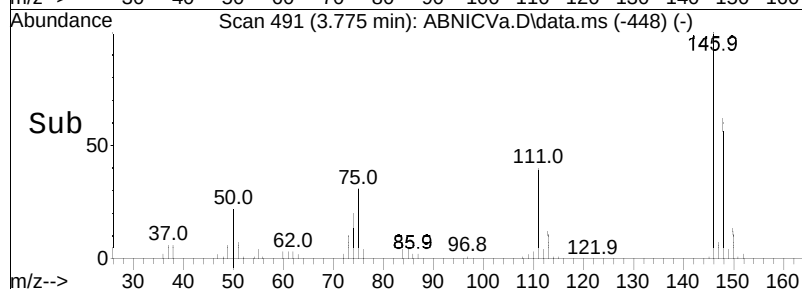
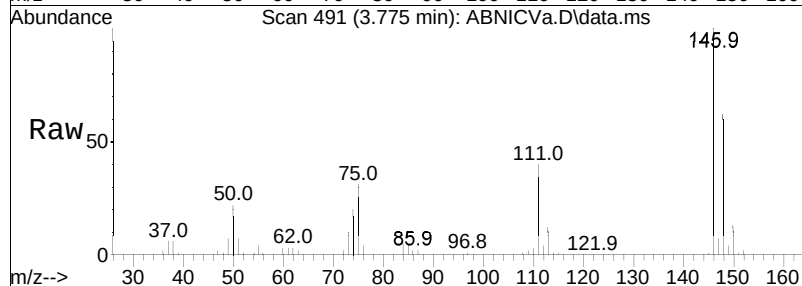
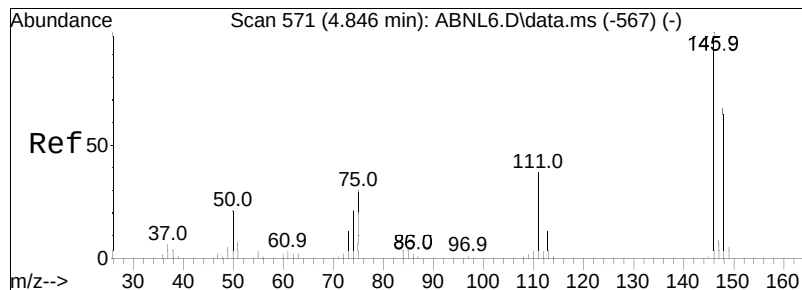




#10
 1,3-Dichlorobenzene
 Concen: 4.89 ug/ml
 RT: 3.699 min Scan# 478
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

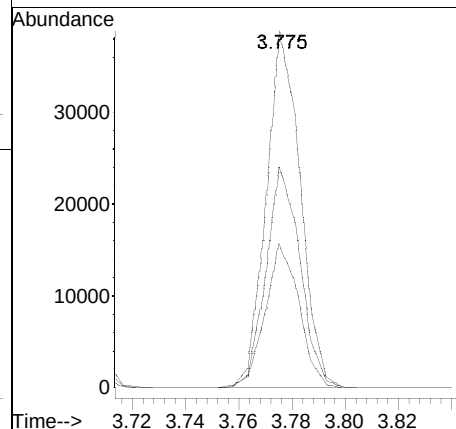
Tgt Ion:	146	Resp:	34196
Ion Ratio	Lower	Upper	
146	100		
111	41.0	35.0	52.4
148	64.0	51.3	76.9

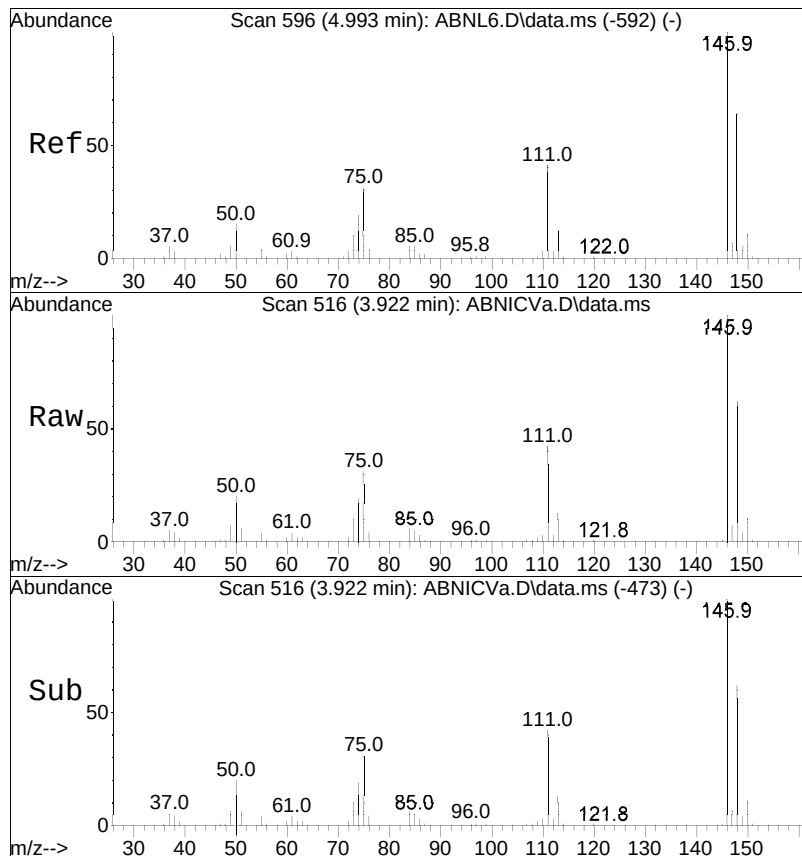




#11
 1,4-Dichlorobenzene
 Concen: 4.78 ug/ml
 RT: 3.775 min Scan# 491
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

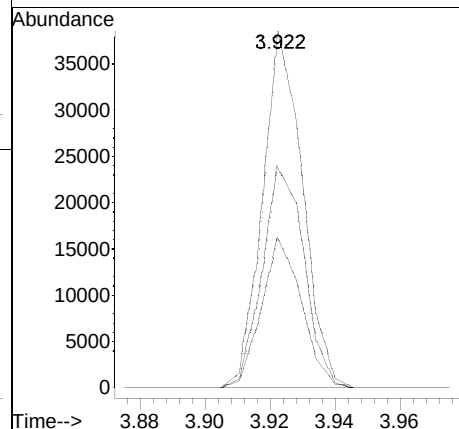
Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.1	76.7
111	40.5	34.4	51.6

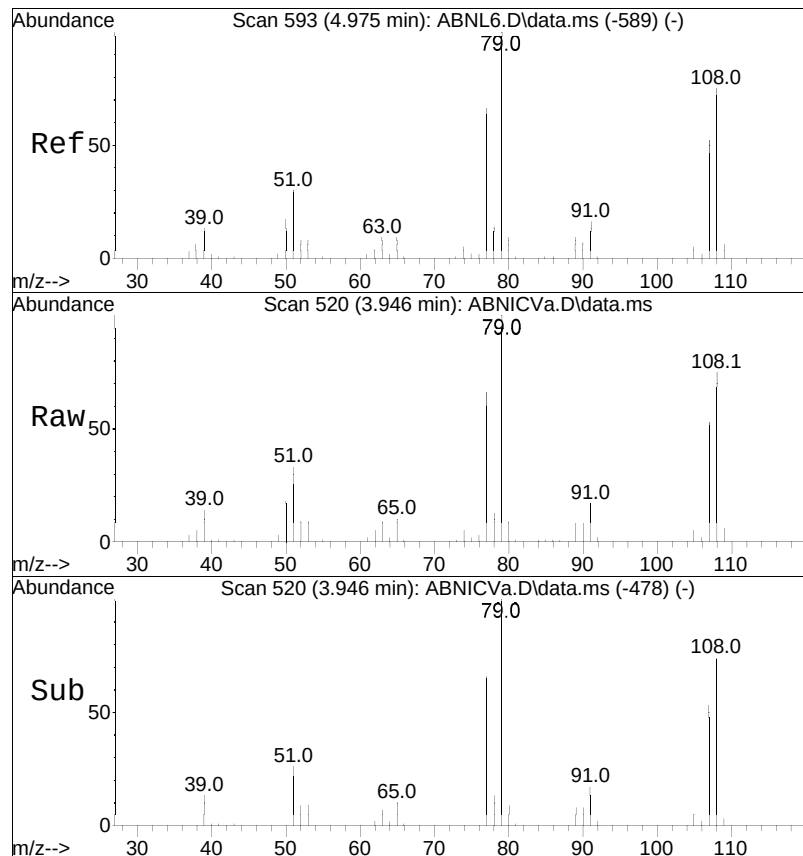




#12
 1,2-Dichlorobenzene
 Concen: 4.72 ug/ml
 RT: 3.922 min Scan# 516
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

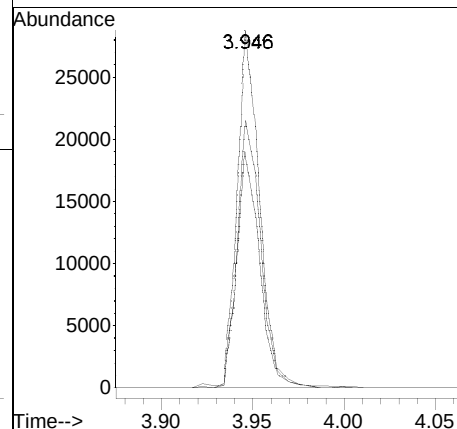
Tgt Ion:	146	Resp:	32674
Ion Ratio	Lower	Upper	
146	100		
111	42.3	35.5	53.3
148	64.8	50.6	76.0

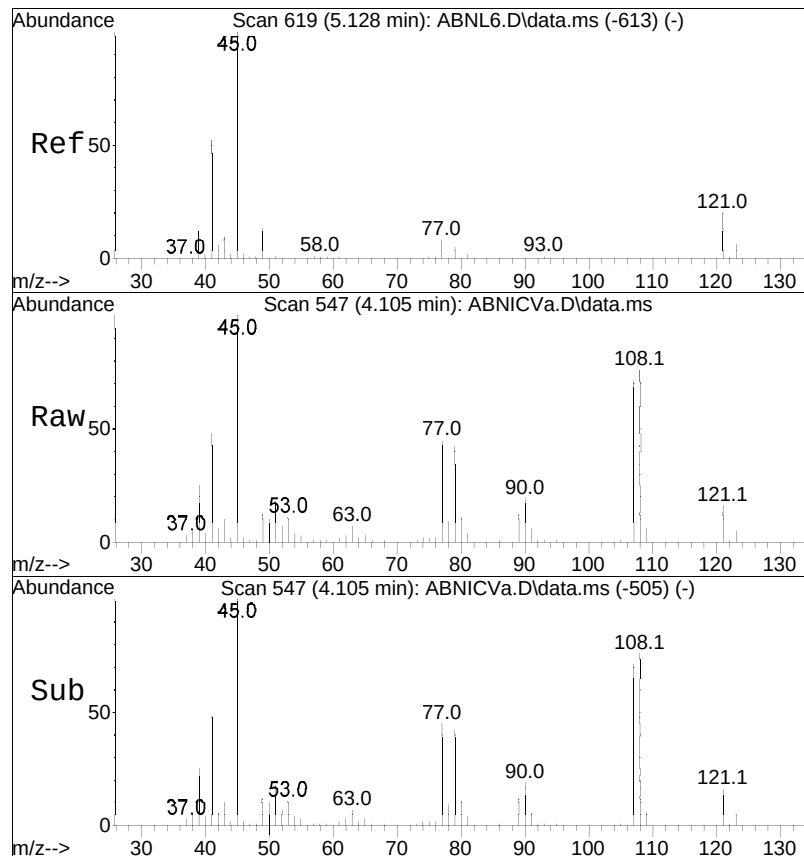




#13
 Benzyl alcohol
 Concen: 4.91 ug/ml
 RT: 3.946 min Scan# 520
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

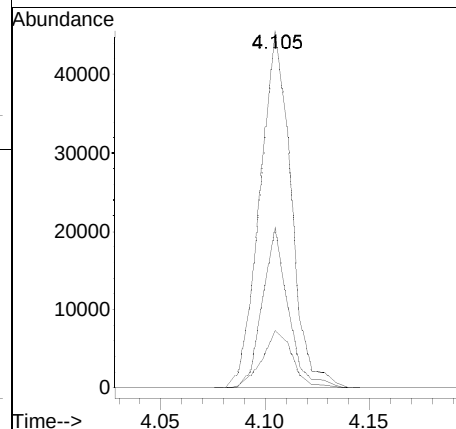
Tgt Ion	Ratio	Lower	Upper
79	100		
77	67.2	51.8	77.6
108	78.1	63.9	95.9

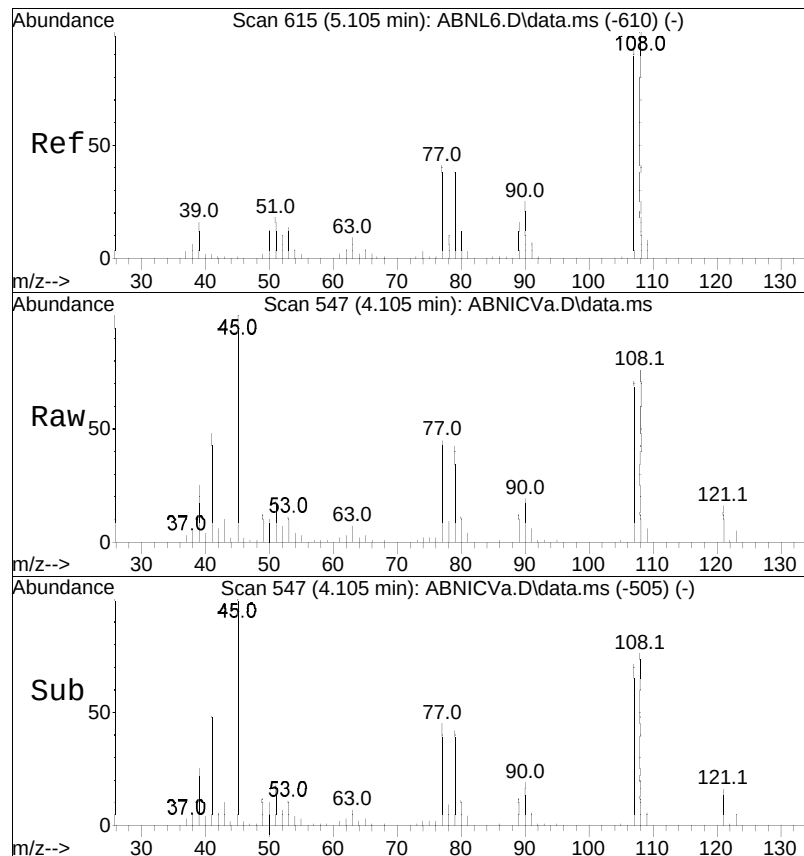




#14
 Bis(2-chloroisopropyl)ether
 Concen: 4.94 ug/ml
 RT: 4.105 min Scan# 547
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

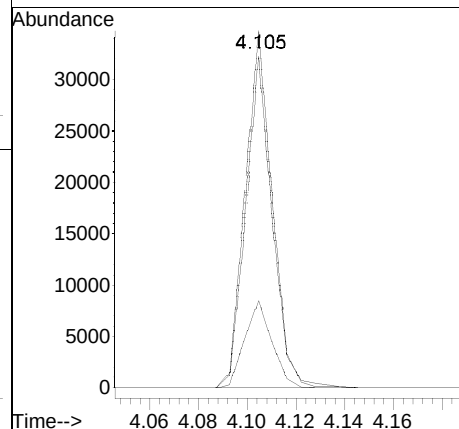
Tgt Ion:	45	Resp:	47171
Ion Ratio	Lower	Upper	
45	100		
121	15.9	14.8	22.2
77	37.4	10.5	15.7#

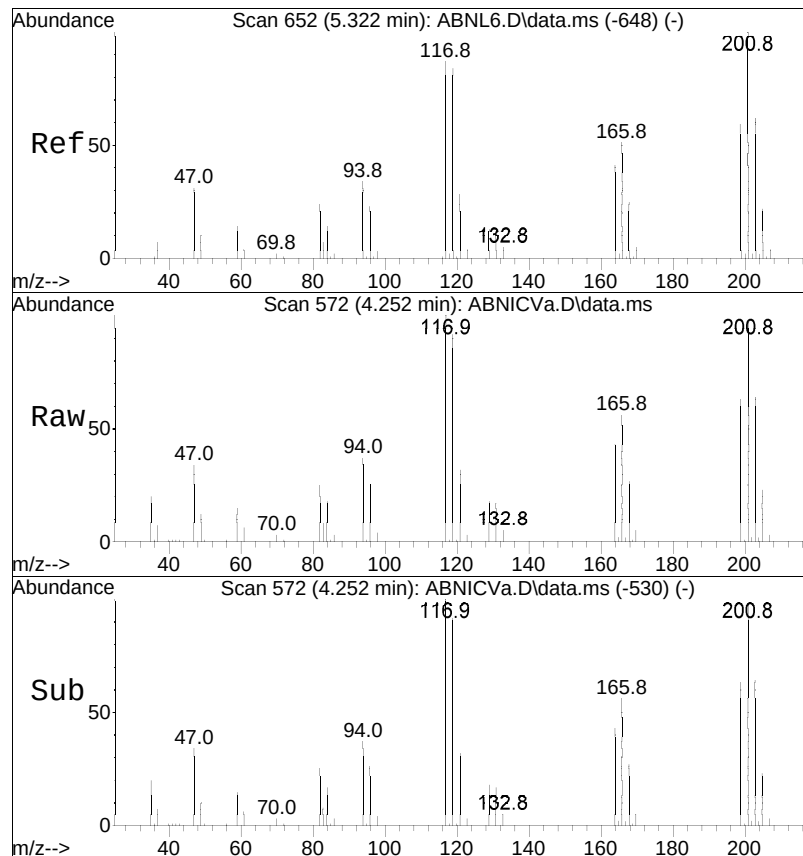




#15
 2-Methylphenol
 Concen: 5.19 ug/ml
 RT: 4.105 min Scan# 547
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

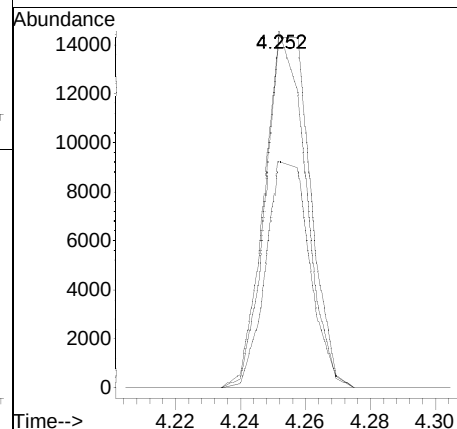
Tgt Ion:	108	Resp:	26623
Ion Ratio	Lower	Upper	
108	100		
107	91.1	71.0	106.4
90	24.7	19.7	29.5

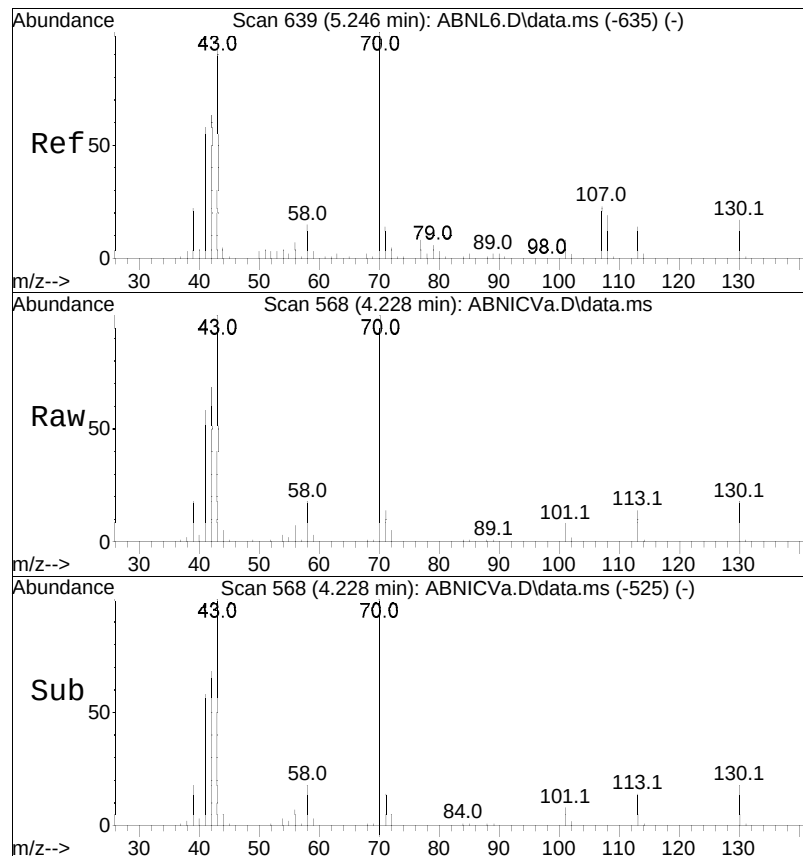




#16
 Hexachloroethane
 Concen: 4.85 ug/ml
 RT: 4.252 min Scan# 572
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

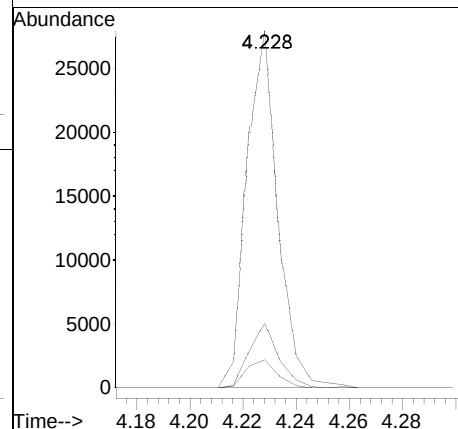
Tgt Ion:	117	Resp:	12843
Ion Ratio	Lower	Upper	
117	100		
201	106.9	64.4	96.6#
199	67.5	40.5	60.7#

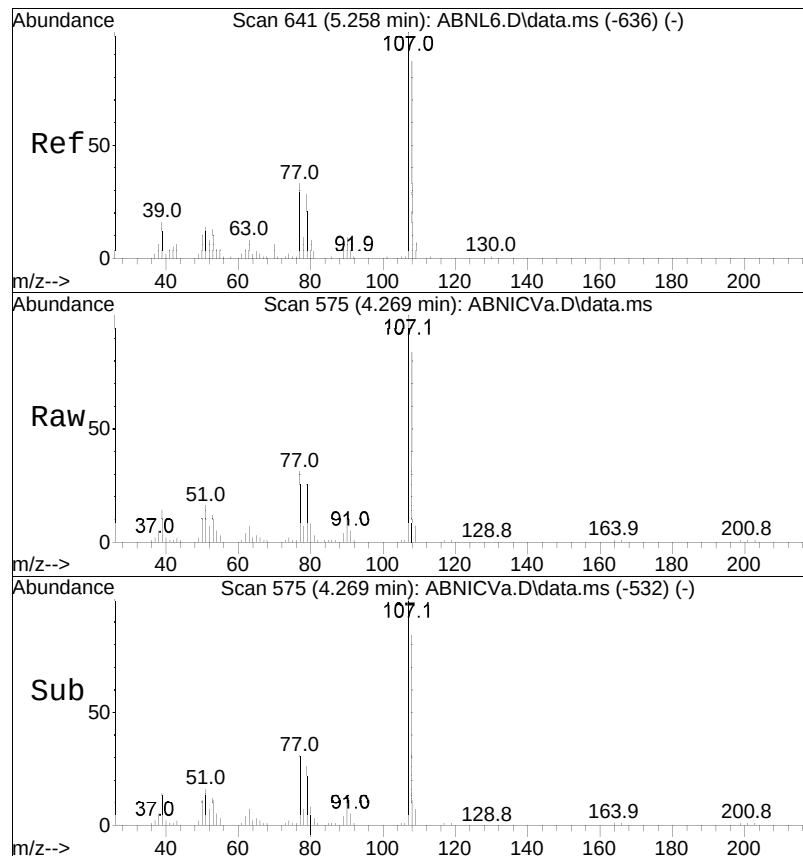




#17
 n-Nitrosodi-n-propylamine
 Concen: 4.93 ug/ml
 RT: 4.228 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

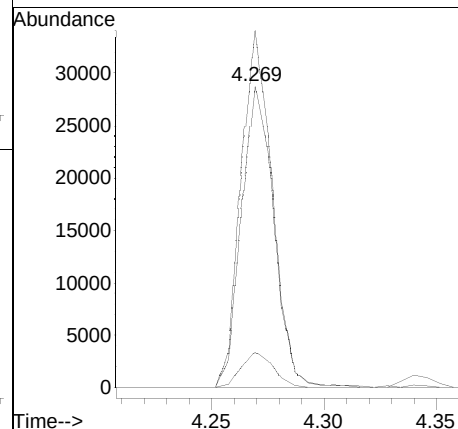
Tgt Ion:	70	Resp:	22624
Ion Ratio	Lower	Upper	
70	100		
130	17.4	16.2	24.4
101	7.9	7.6	11.4

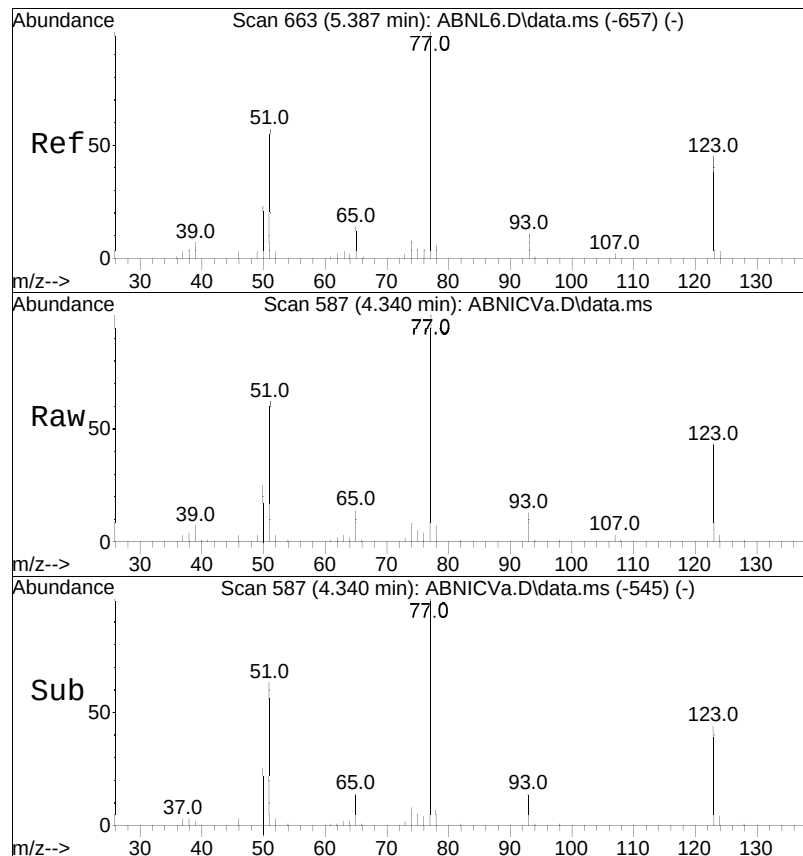




#18
 3-Methylphenol/4-Methylphenol
 Concen: 5.08 ug/ml
 RT: 4.269 min Scan# 575
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

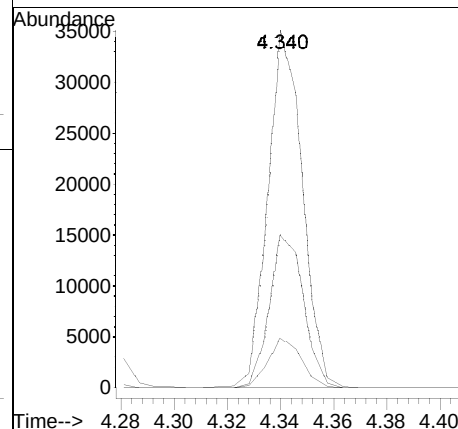
Tgt Ion:	108	Resp:	28667
Ion Ratio	Lower	Upper	
108	100		
107	115.4	88.8	133.2
90	11.6	9.0	13.6

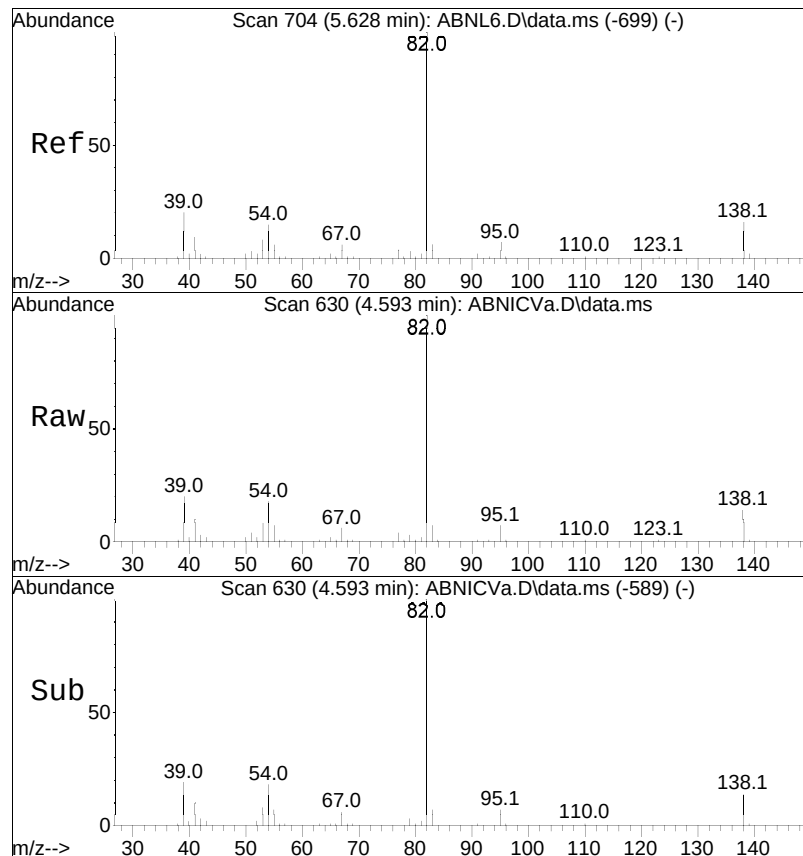




#20
 Nitrobenzene
 Concen: 5.03 ug/ml
 RT: 4.340 min Scan# 587
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

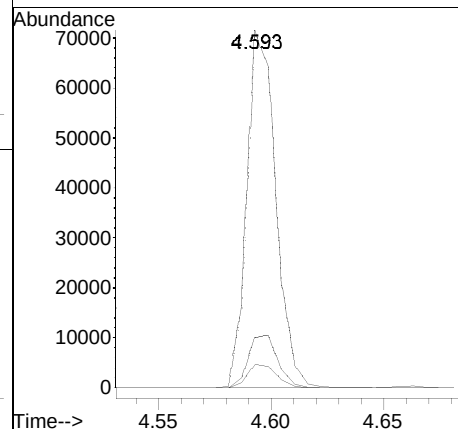
Tgt Ion	Ratio	Resp	Lower	Upper
77	100	31417		
123	42.5		37.3	55.9
65	13.7		10.9	16.3

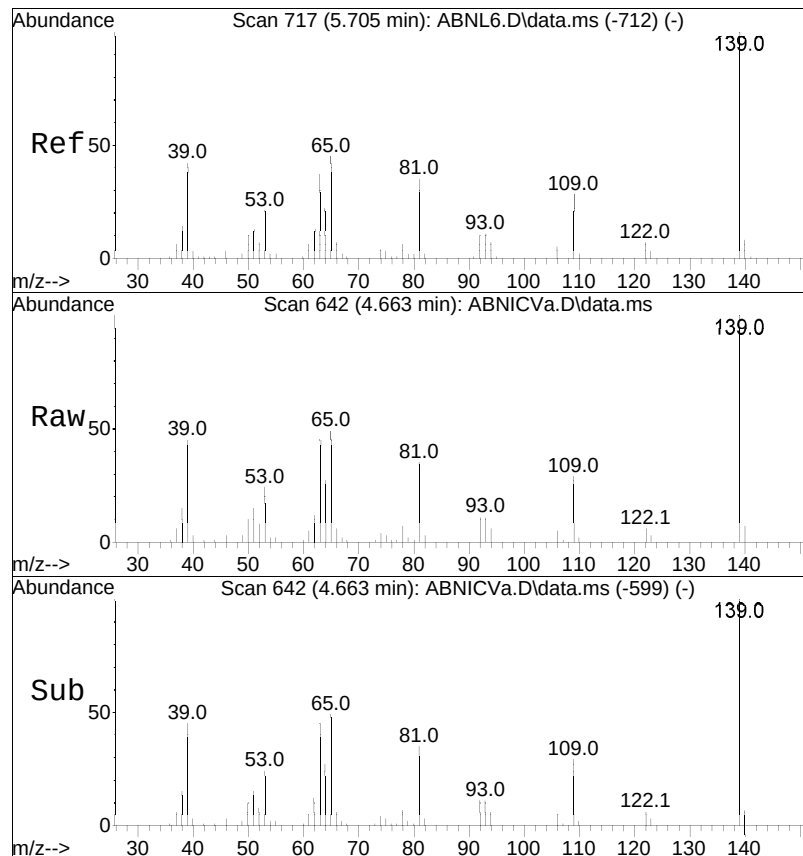




#21
 Isophorone
 Concen: 4.99 ug/ml
 RT: 4.593 min Scan# 630
 Delta R.T. -0.006 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

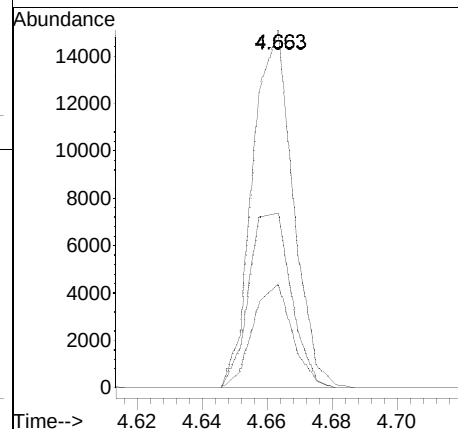
Tgt Ion:	82	Resp:	63215
Ion Ratio	Lower	Upper	
82	100		
138	15.1	13.0	19.4
95	6.8	5.5	8.3

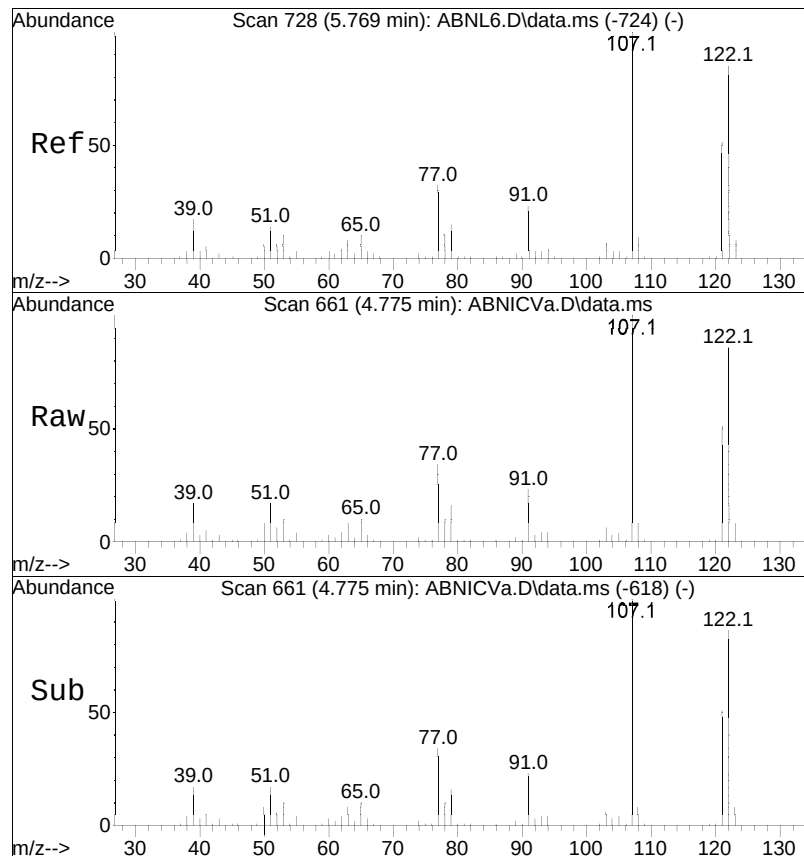




#22
 2-Nitrophenol
 Concen: 3.89 ug/ml
 RT: 4.663 min Scan# 642
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

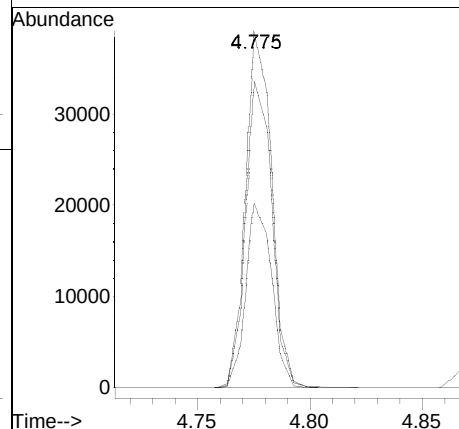
Tgt Ion	Ratio	Lower	Upper
139	100		
109	28.5	23.1	34.7
65	51.4	41.4	62.2

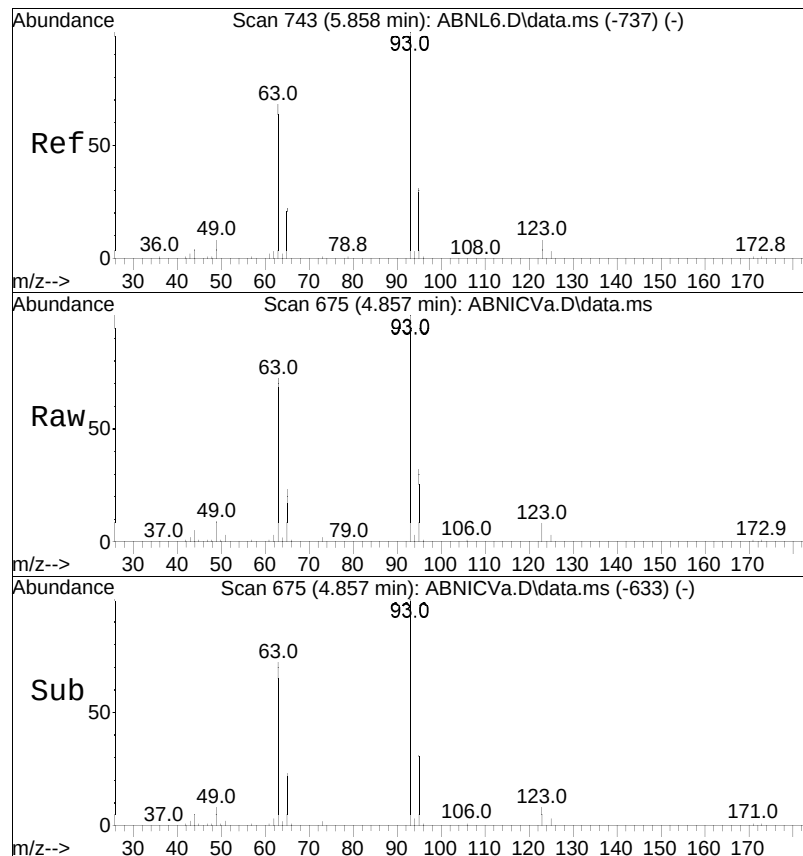




#23
 2,4-Dimethylphenol
 Concen: 4.69 ug/ml
 RT: 4.775 min Scan# 661
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

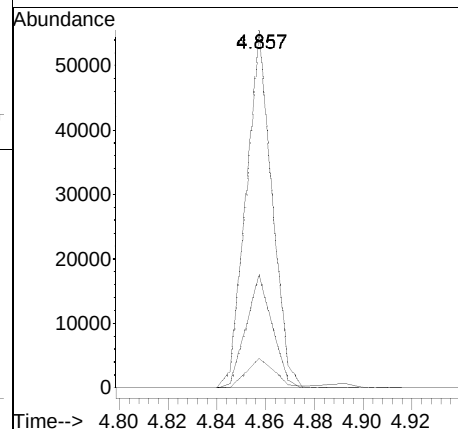
Tgt Ion:	107	Resp:	31435
Ion Ratio	Lower	Upper	
107	100		
121	51.5	41.3	61.9
122	86.0	69.3	103.9

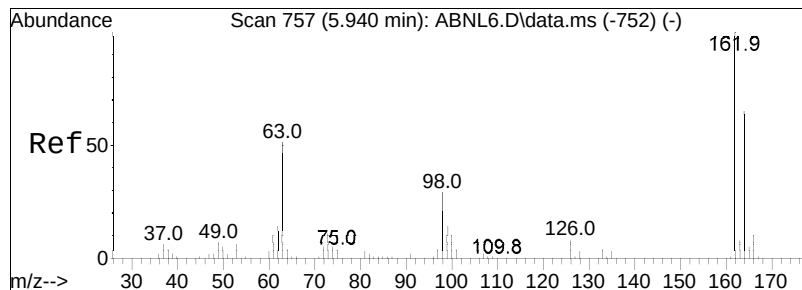




#24
 Bis(2-chloroethoxy)methane
 Concen: 5.05 ug/ml
 RT: 4.857 min Scan# 675
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion:	93	Resp:	40520
Ion Ratio	Lower	Upper	
93	100		
95	32.1	25.8	38.8
123	9.2	9.6	14.4#





#25

2,4-Dichlorophenol

Concen: 4.65 ug/ml

RT: 4.910 min Scan# 684

Delta R.T. 0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am

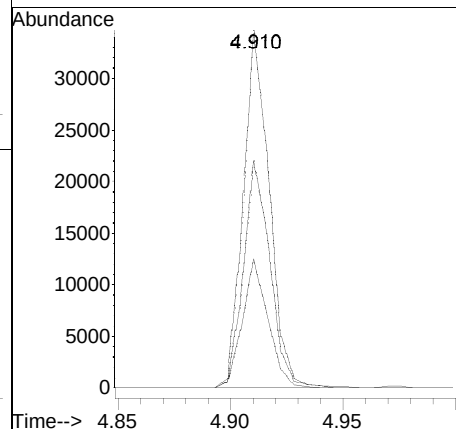
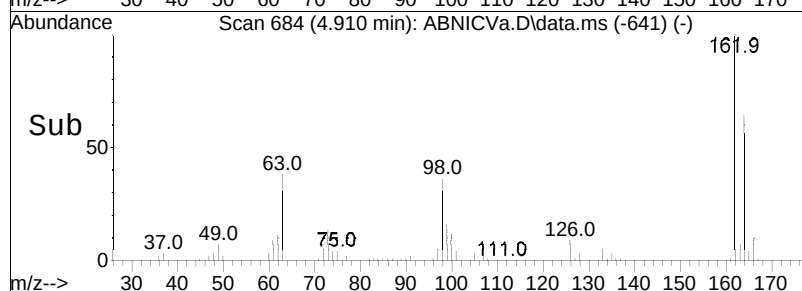
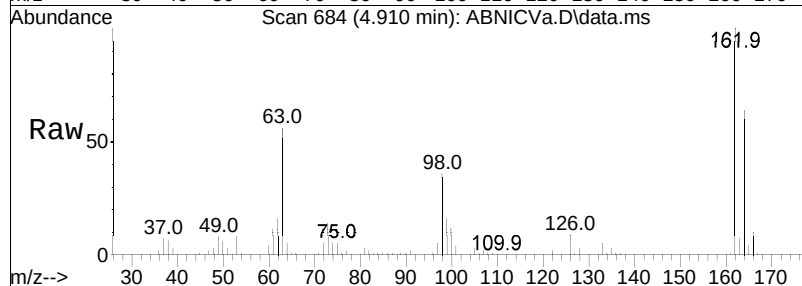
Tgt Ion:162 Resp: 27593

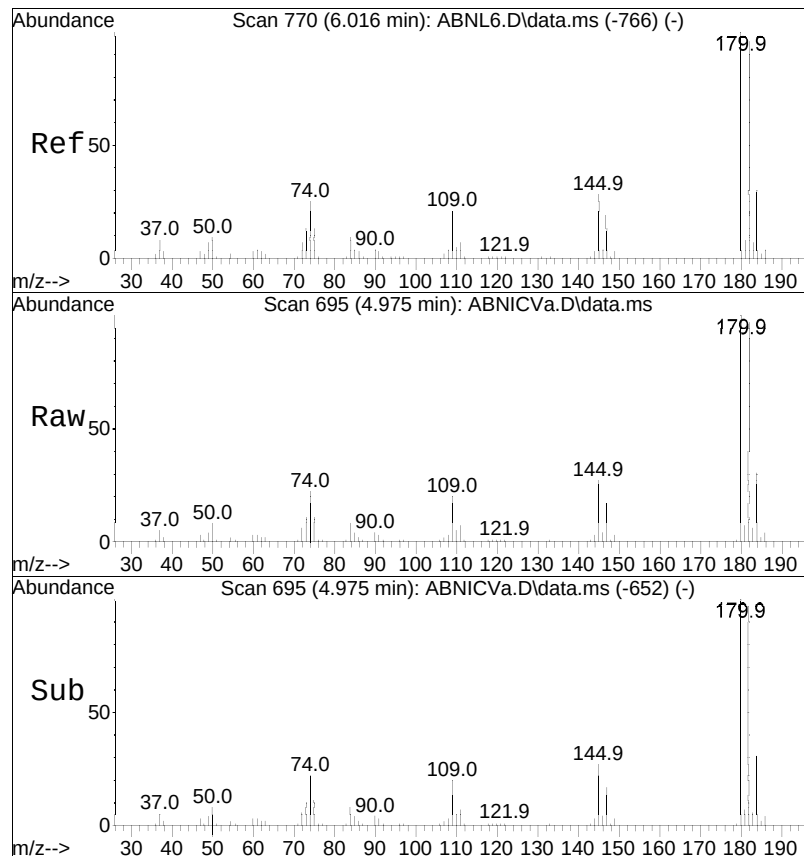
Ion Ratio Lower Upper

162 100

164 64.7 51.1 76.7

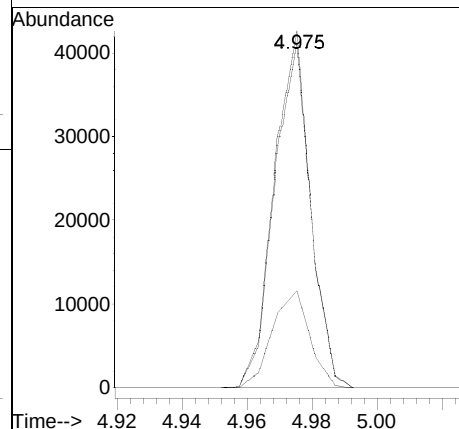
98 35.5 32.2 48.2

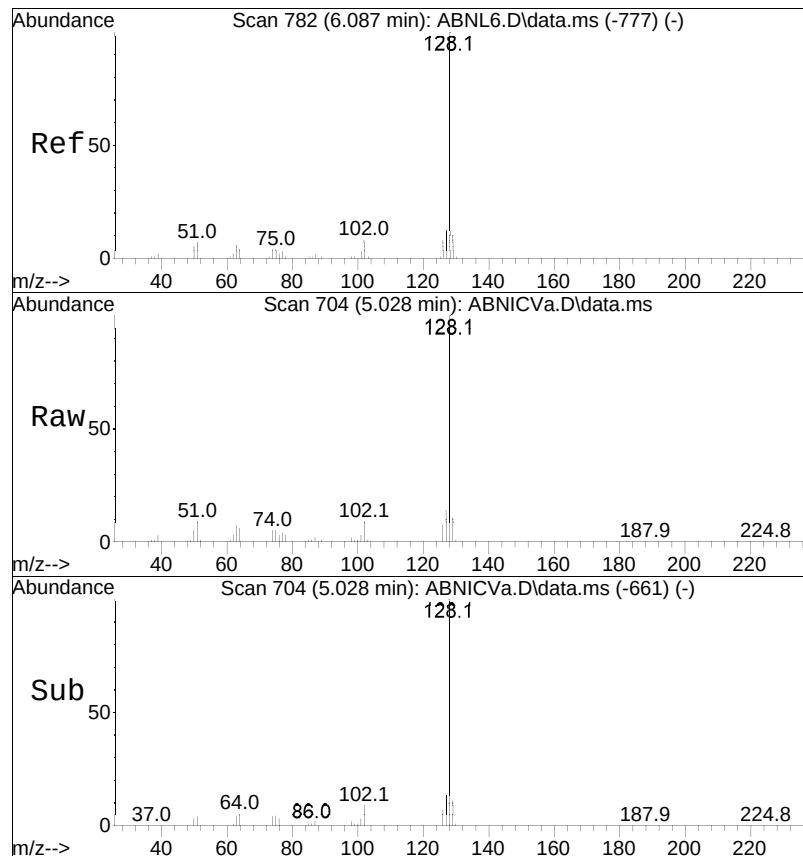




#26
 1,2,4-Trichlorobenzene
 Concen: 4.81 ug/ml
 RT: 4.975 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

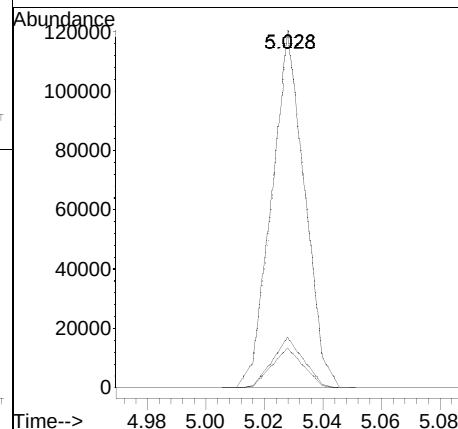
Tgt Ion:	180	Resp:	32858
Ion Ratio	Lower	Upper	
180	100		
182	96.9	75.8	113.8
145	28.3	26.3	39.5

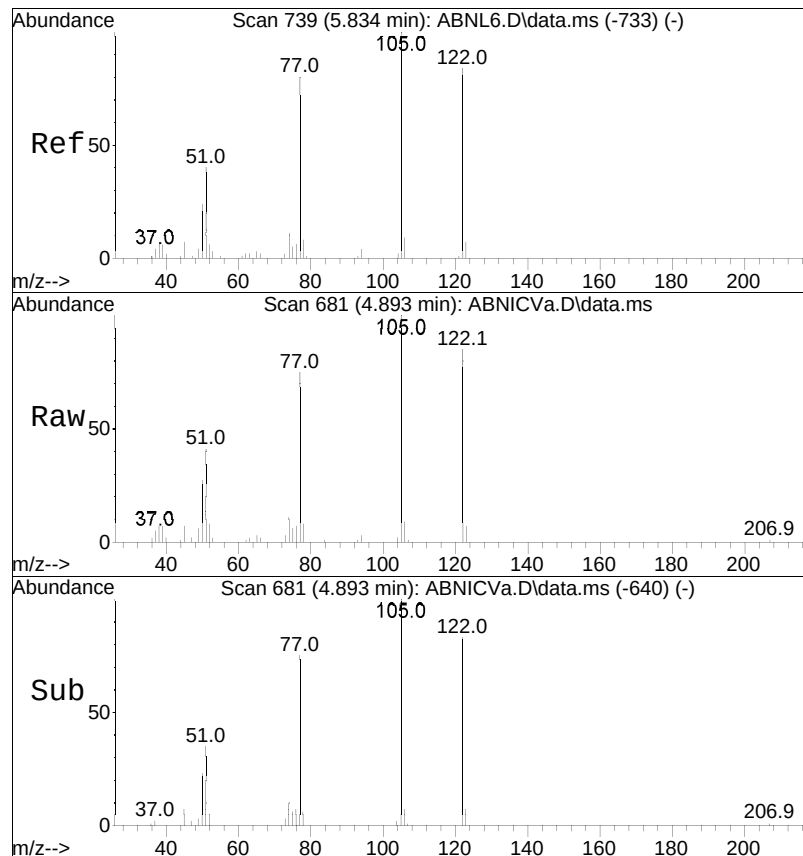




#36
 Naphthalene
 Concen: 4.77 ug/ml
 RT: 5.028 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

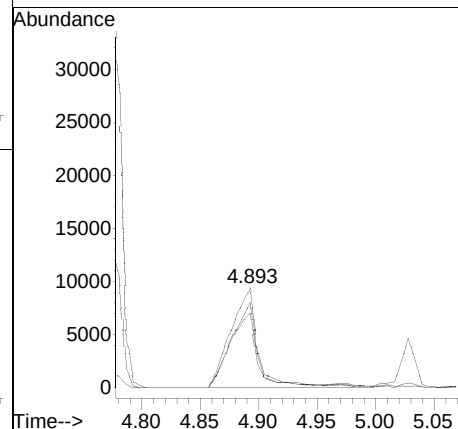
Tgt Ion:	128	Resp:	93195
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.9	13.3
127	13.7	10.6	15.8

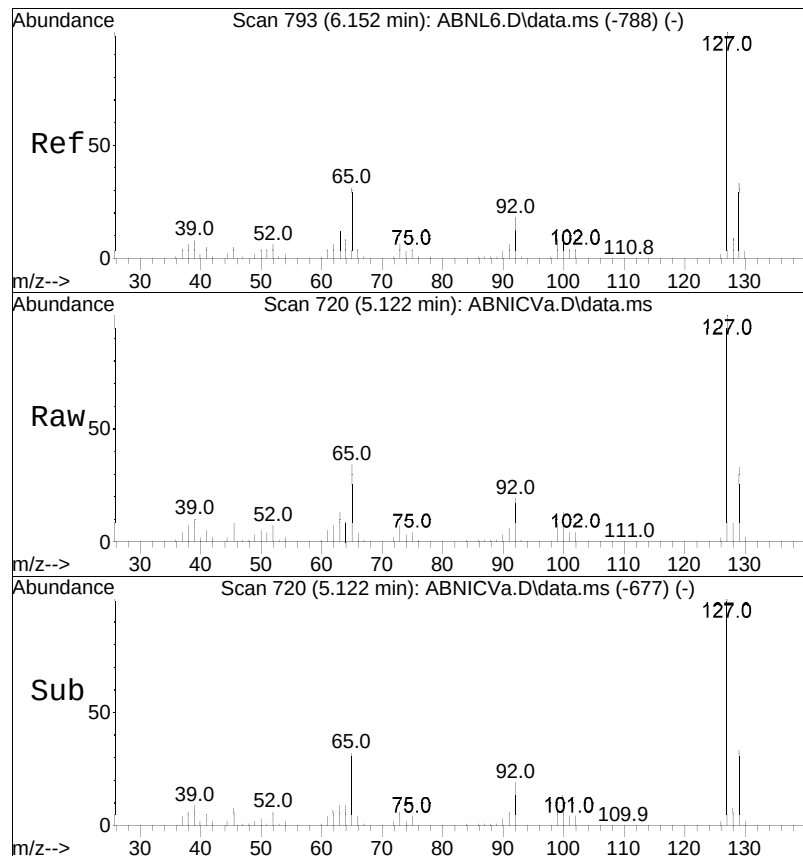




#37
 Benzoic Acid
 Concen: 4.08 ug/ml
 RT: 4.893 min Scan# 681
 Delta R.T. -0.006 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

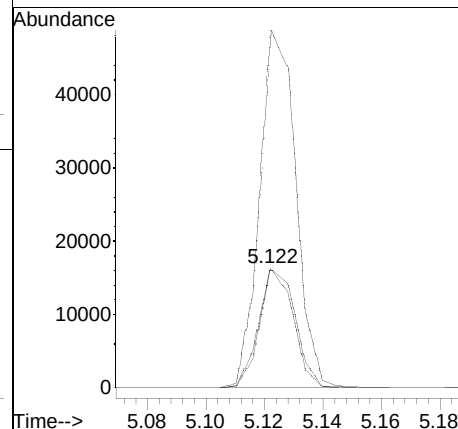
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	15810		
122	79.2		62.6	93.8
77	74.4		59.1	88.7

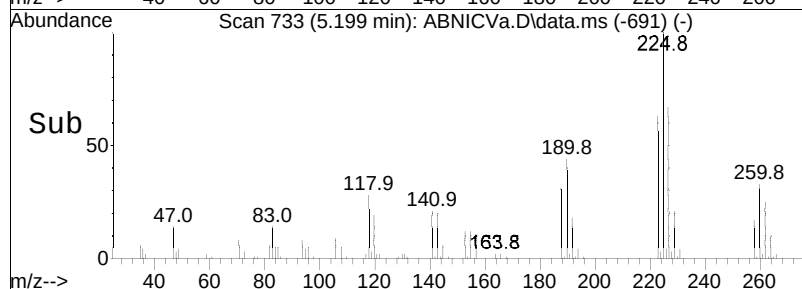
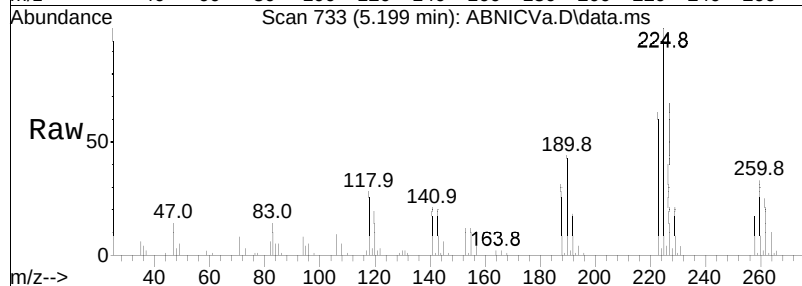
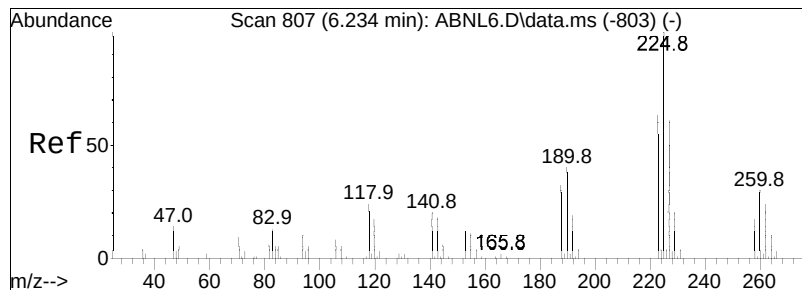




#38
 4-Chloroaniline
 Concen: 5.04 ug/ml
 RT: 5.122 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

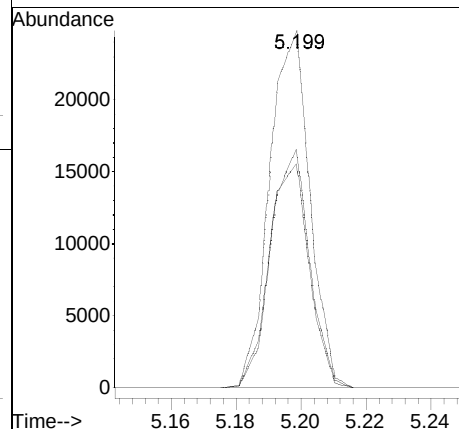
Tgt Ion:	65	Resp:	13330
Ion Ratio	Lower	Upper	
65	100		
127	312.3	266.2	399.4
129	102.5	85.0	127.4

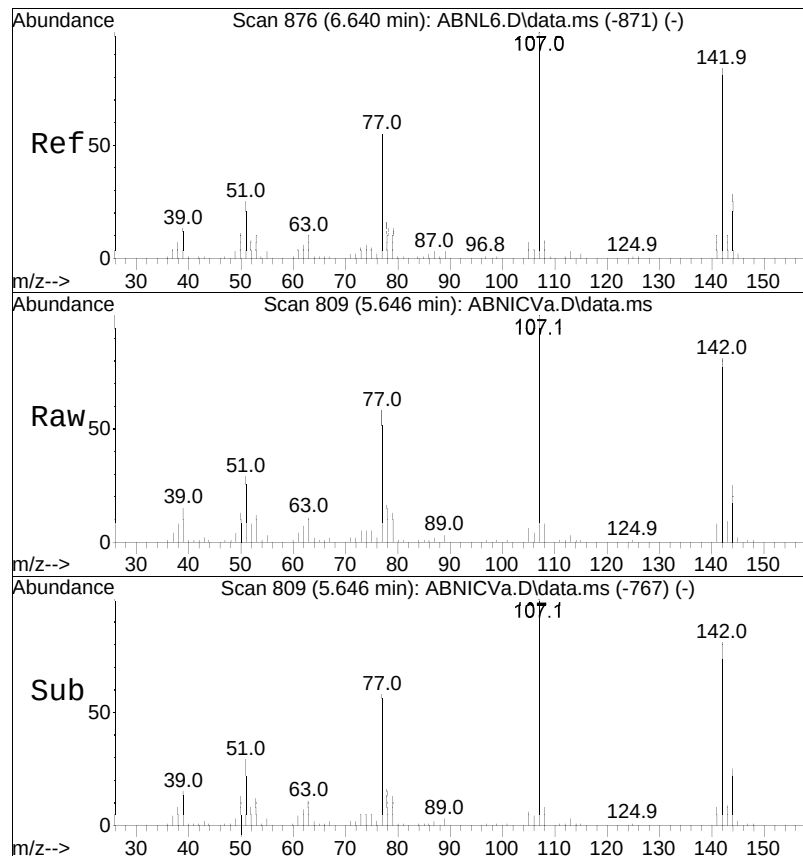




#39
 Hexachlorobutadiene
 Concen: 4.57 ug/ml
 RT: 5.199 min Scan# 733
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

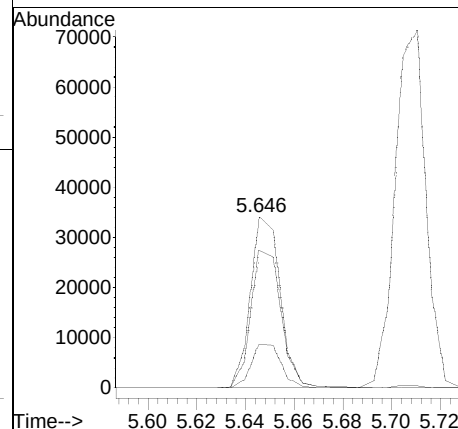
Tgt Ion:	225	Resp:	21224
Ion Ratio	Lower	Upper	
225	100		
223	62.9	50.5	75.7
227	64.6	50.4	75.6

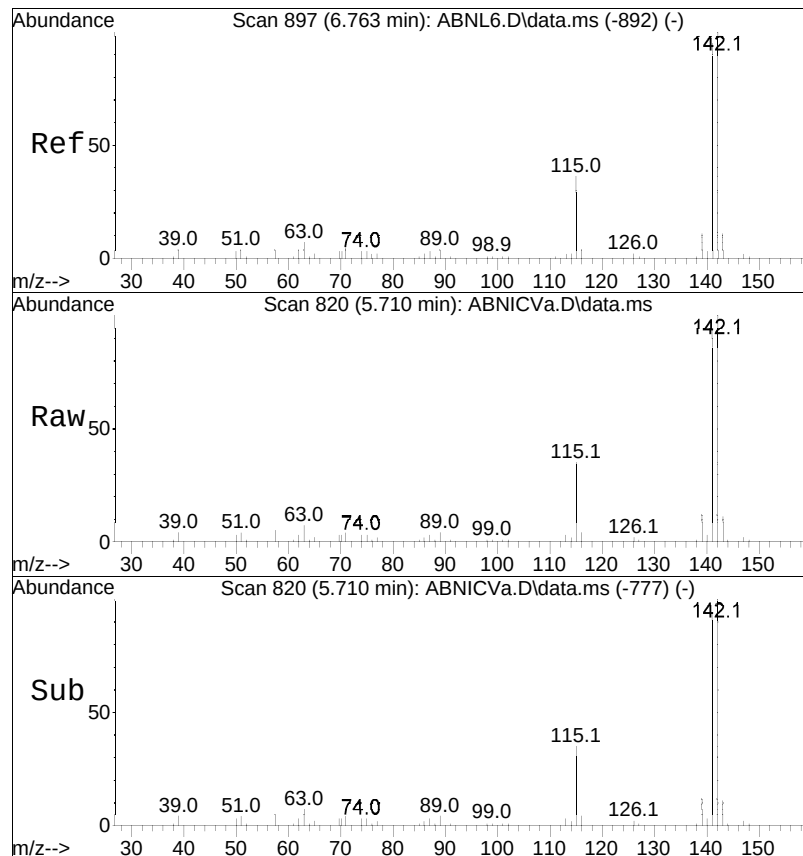




#40
 p-Chloro-m-cresol
 Concen: 4.82 ug/ml
 RT: 5.646 min Scan# 809
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

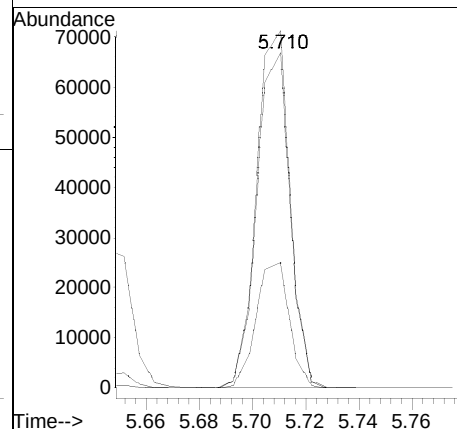
Tgt Ion:	107	Resp:	29121
Ion Ratio	Lower	Upper	
107	100		
144	25.5	20.3	30.5
142	81.6	63.8	95.6

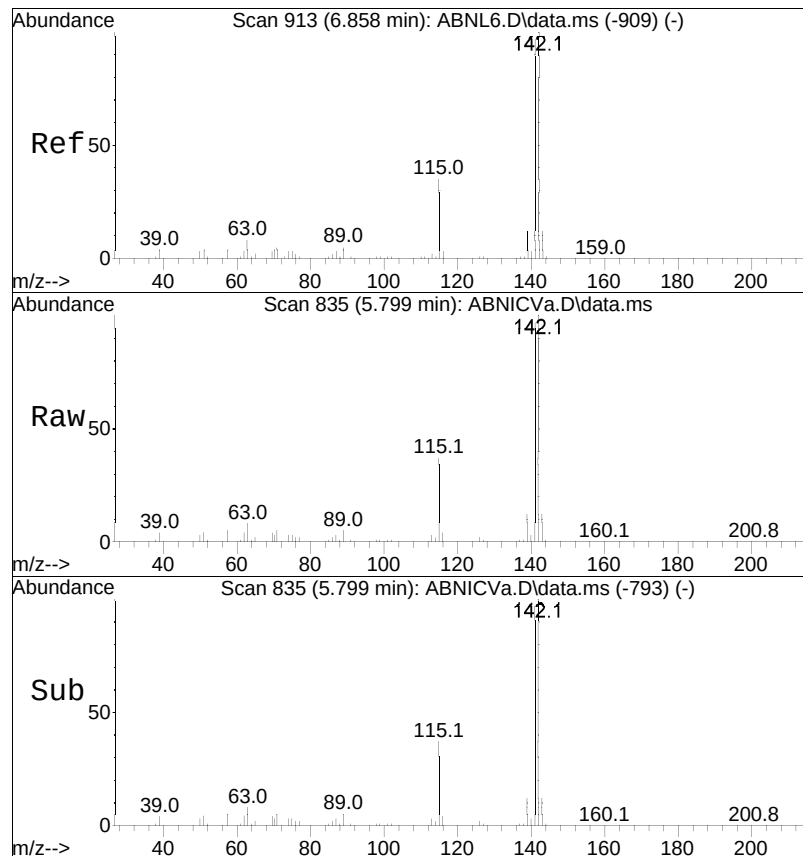




#41
 2-Methylnaphthalene
 Concen: 5.03 ug/ml
 RT: 5.710 min Scan# 820
 Delta R.T. 0.005 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

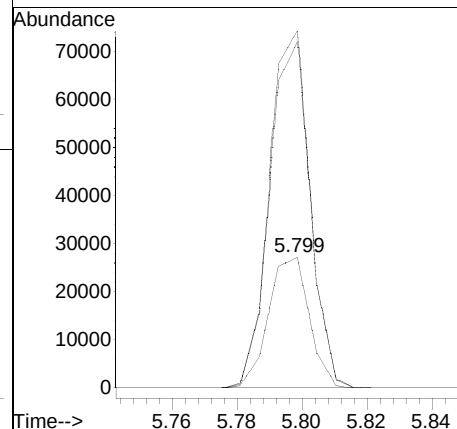
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	72.2	108.4
115	35.1	27.8	41.6

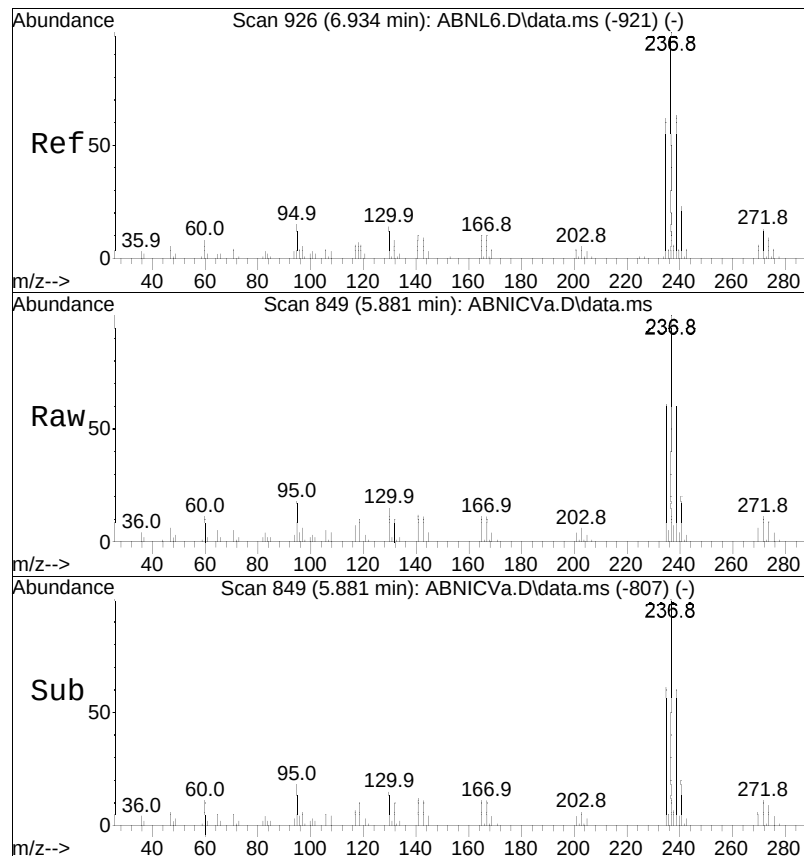




#42
 1-Methylnaphthalene
 Concen: 4.80 ug/ml
 RT: 5.799 min Scan# 835
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

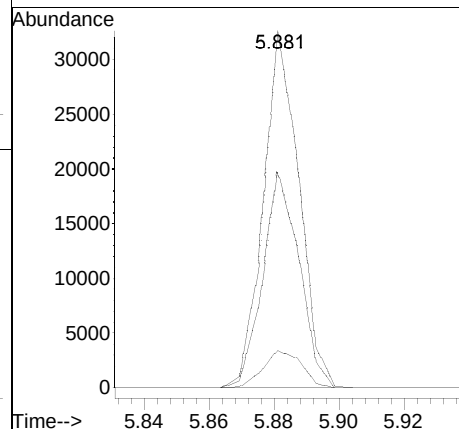
Tgt Ion	Ratio	Lower	Upper
115	100		
141	261.2	205.4	308.2
142	271.4	220.2	330.4

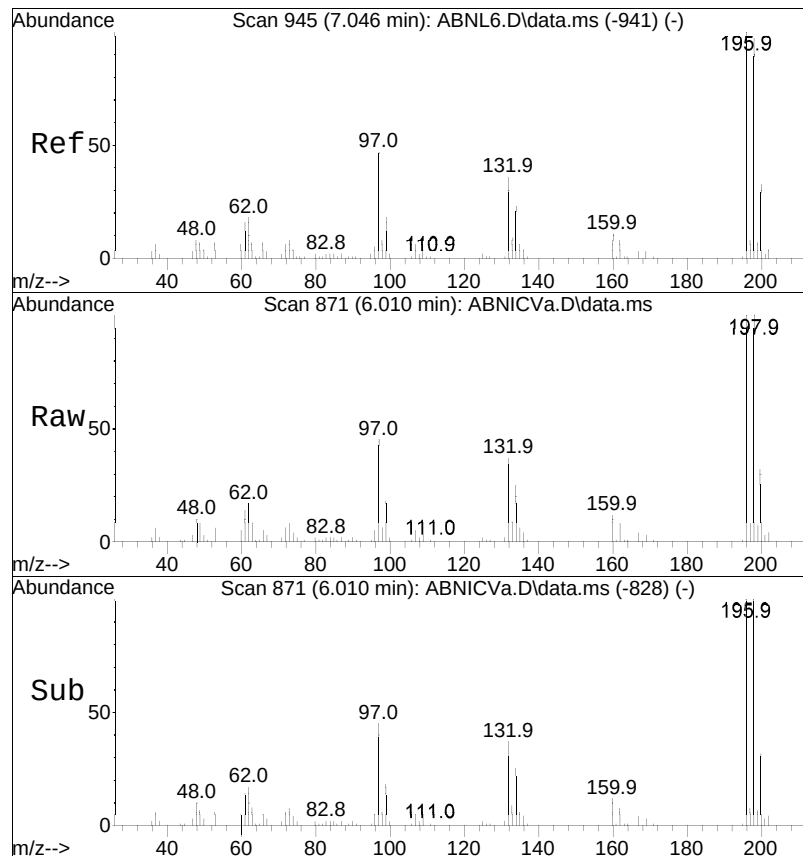




#43
 Hexachlorocyclopentadiene
 Concen: 4.08 ug/ml
 RT: 5.881 min Scan# 849
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

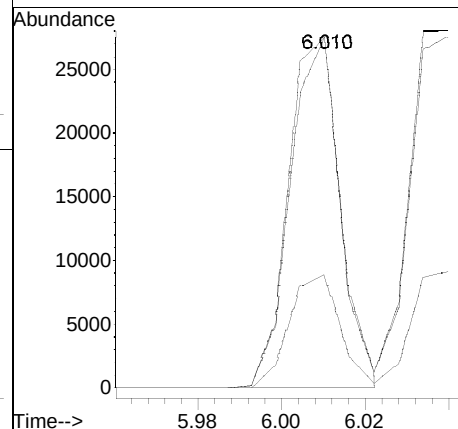
Tgt Ion:	237	Resp:	24637
Ion Ratio	Lower	Upper	
237	100		
235	61.9	50.9	76.3
272	11.6	10.1	15.1

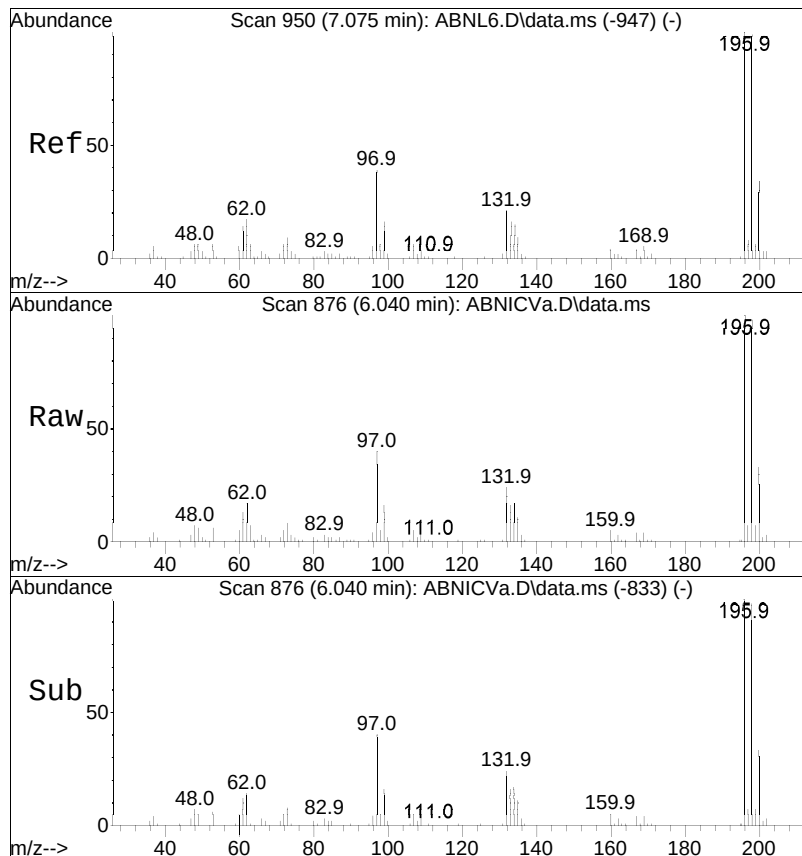




#44
 2,4,6-Trichlorophenol
 Concen: 4.08 ug/ml
 RT: 6.010 min Scan# 871
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

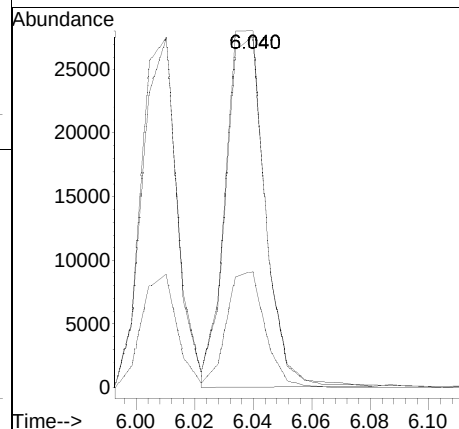
Tgt Ion:	196	Resp:	23463
Ion Ratio	Lower	Upper	
196	100		
198	96.9	76.4	114.6
200	32.1	24.4	36.6

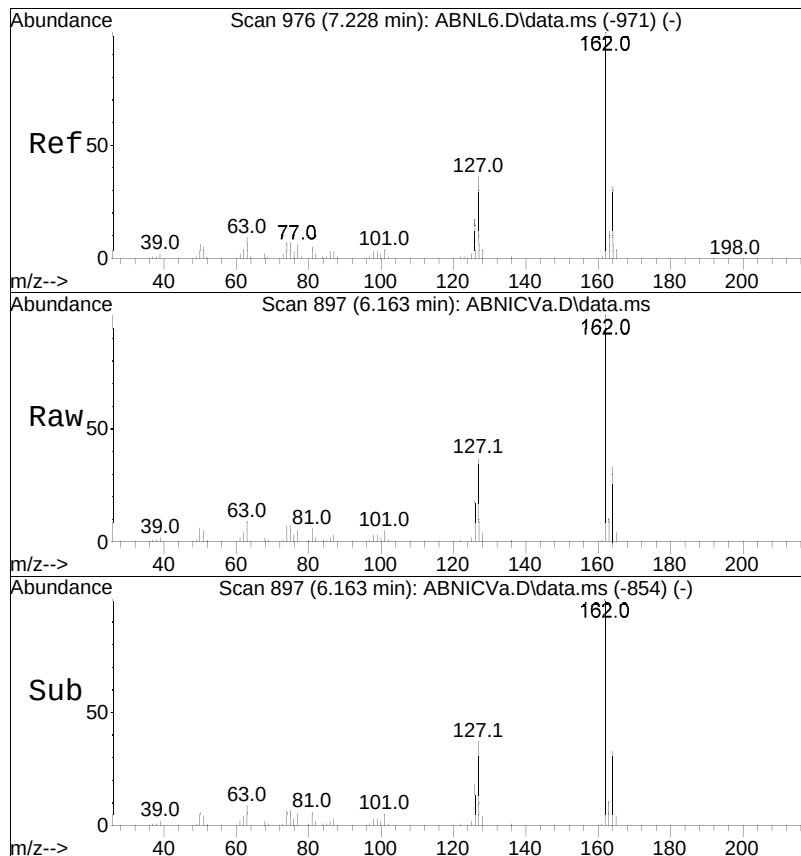




#45
 2,4,5-Trichlorophenol
 Concen: 4.36 ug/ml
 RT: 6.040 min Scan# 876
 Delta R.T. 0.006 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

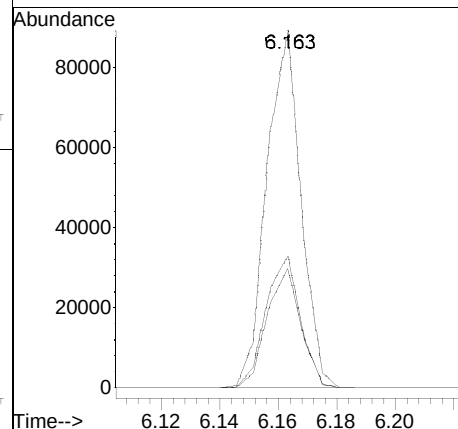
Tgt Ion:	196	Resp:	26328
Ion Ratio	Lower	Upper	
196	100		
200	31.6	24.2	36.4
198	98.7	76.2	114.2

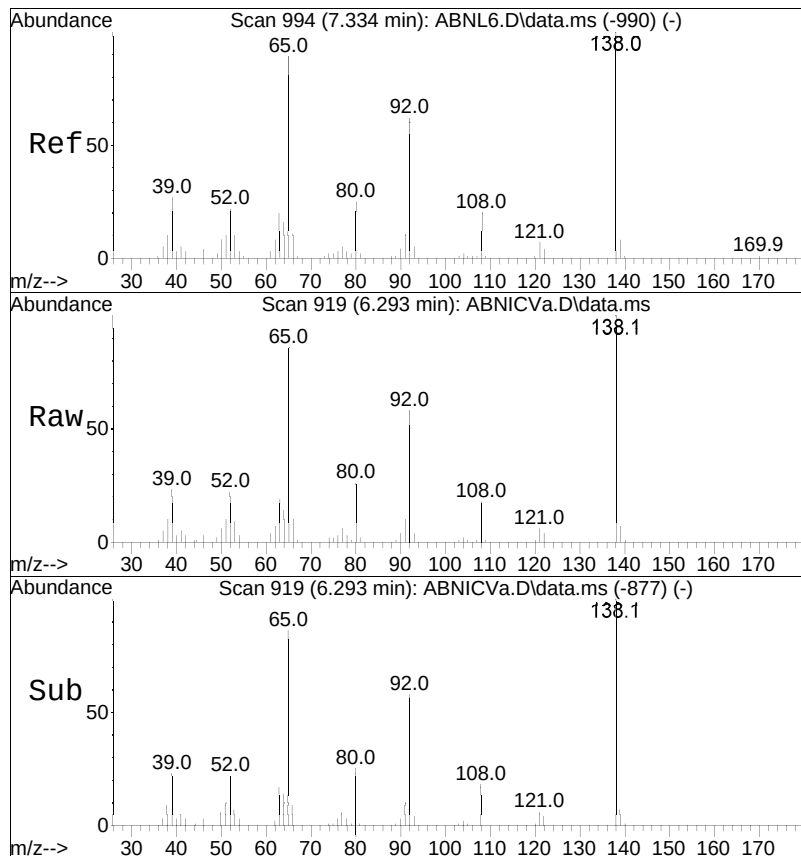




#47
 2-Chloronaphthalene
 Concen: 4.97 ug/ml
 RT: 6.163 min Scan# 897
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

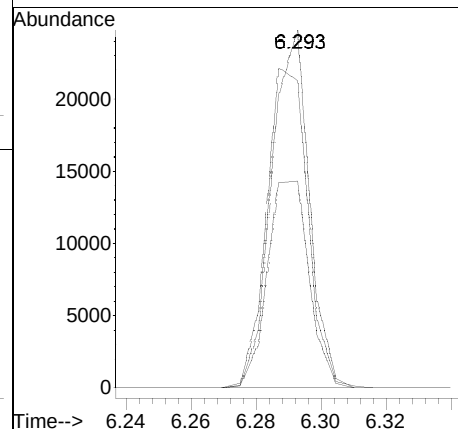
Tgt Ion:	162	Resp:	71680
Ion Ratio	Lower	Upper	
162	100		
127	37.4	33.8	50.6
164	33.3	25.8	38.6

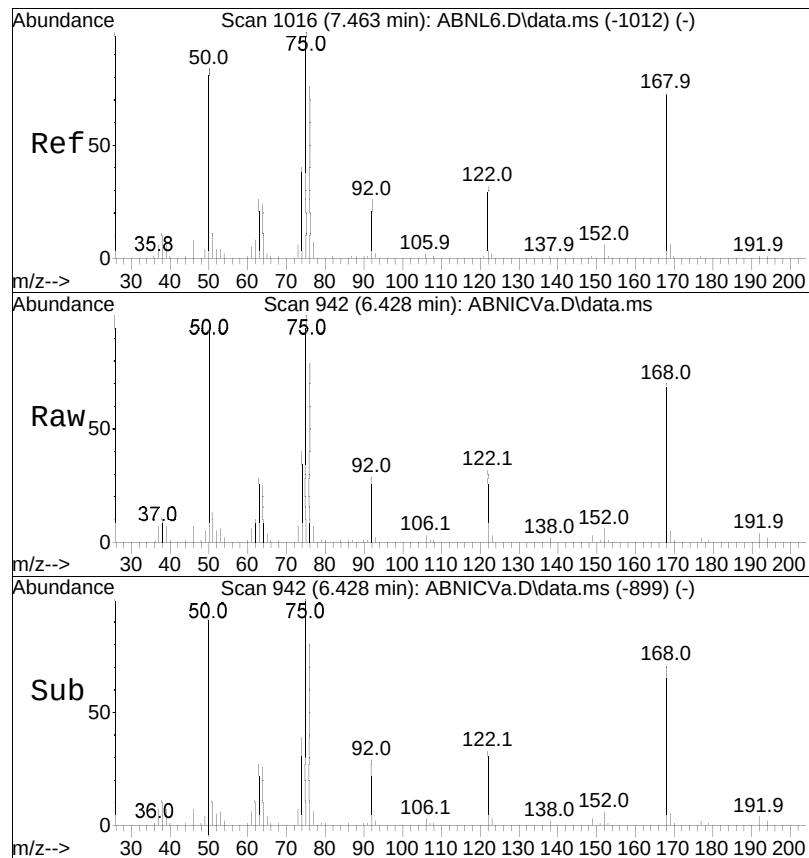




#48
 2-Nitroaniline
 Concen: 4.19 ug/ml
 RT: 6.293 min Scan# 919
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

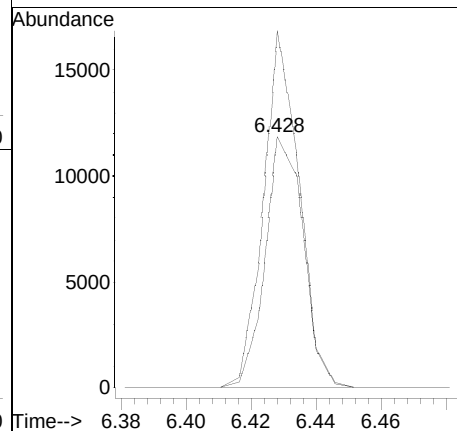
Tgt	Ion:138	Resp:	19803
Ion	Ratio	Lower	Upper
138	100		
92	63.9	52.1	78.1
65	97.2	75.9	113.9

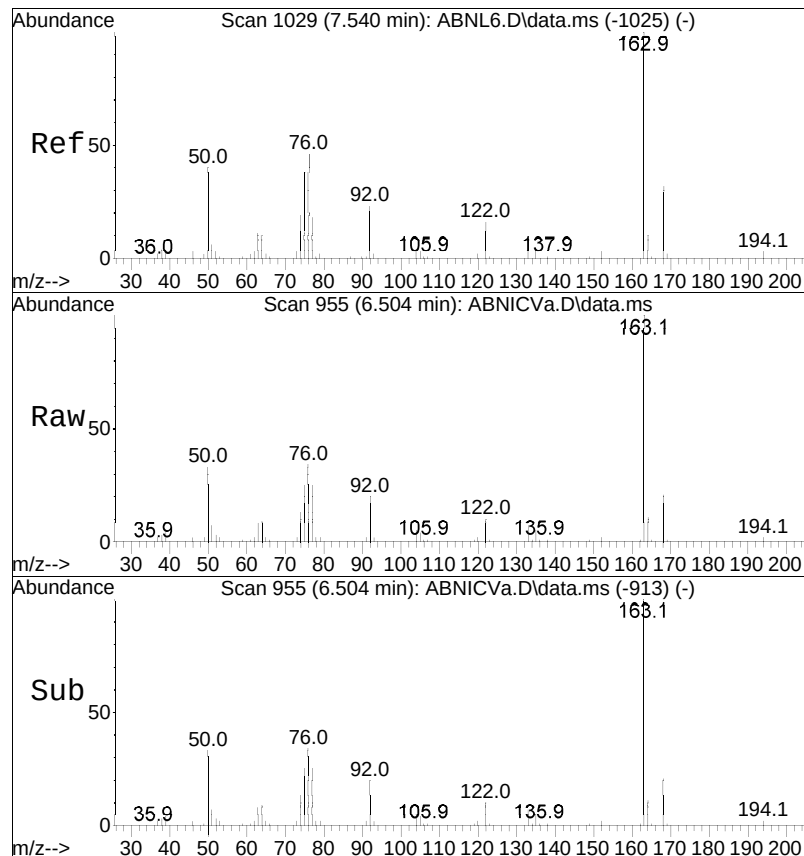




#49
 1,4-Dinitrobenzene
 Concen: 4.11 ug/ml
 RT: 6.428 min Scan# 942
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

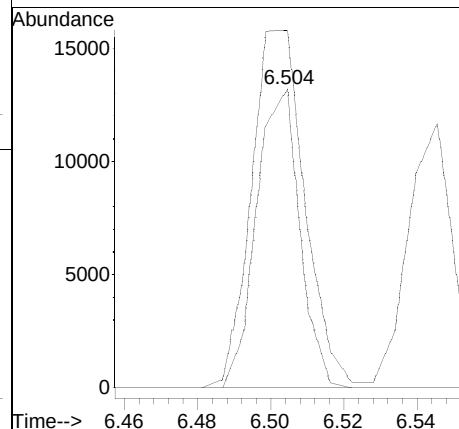
Tgt Ion:168 Resp: 9662
 Ion Ratio Lower Upper
 168 100
 75 132.6 111.0 166.4

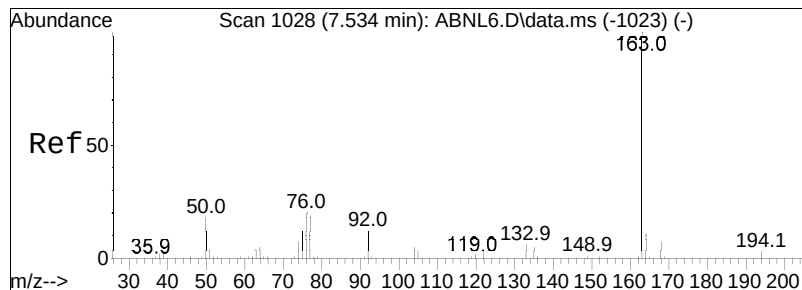




#50
 1,3-Dinitrobenzene
 Concen: 4.07 ug/ml
 RT: 6.504 min Scan# 955
 Delta R.T. -0.001 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion	Ratio	Lower	Upper
168	100		
75	148.6	116.4	174.6





#51

Dimethyl phthalate

Concen: 5.11 ug/ml

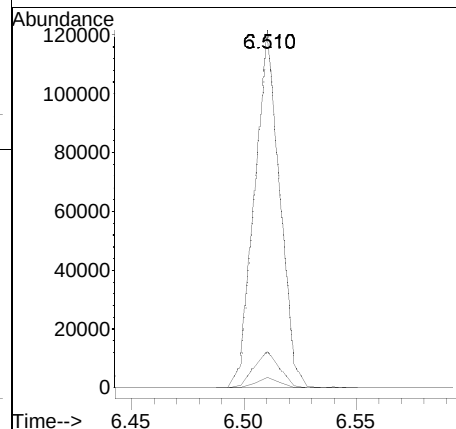
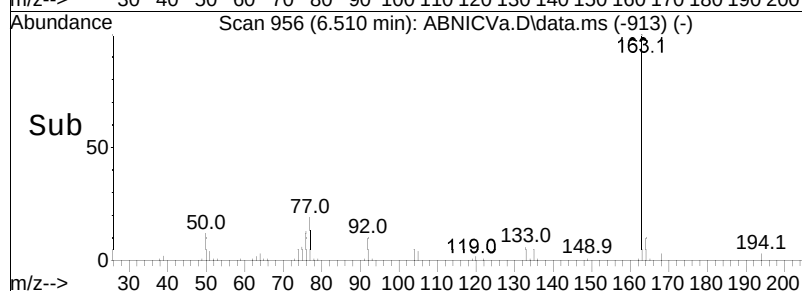
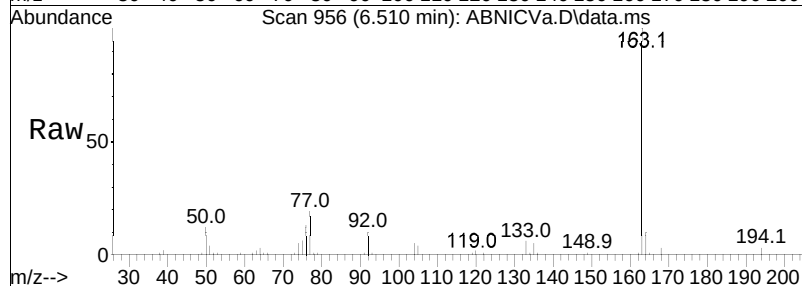
RT: 6.510 min Scan# 956

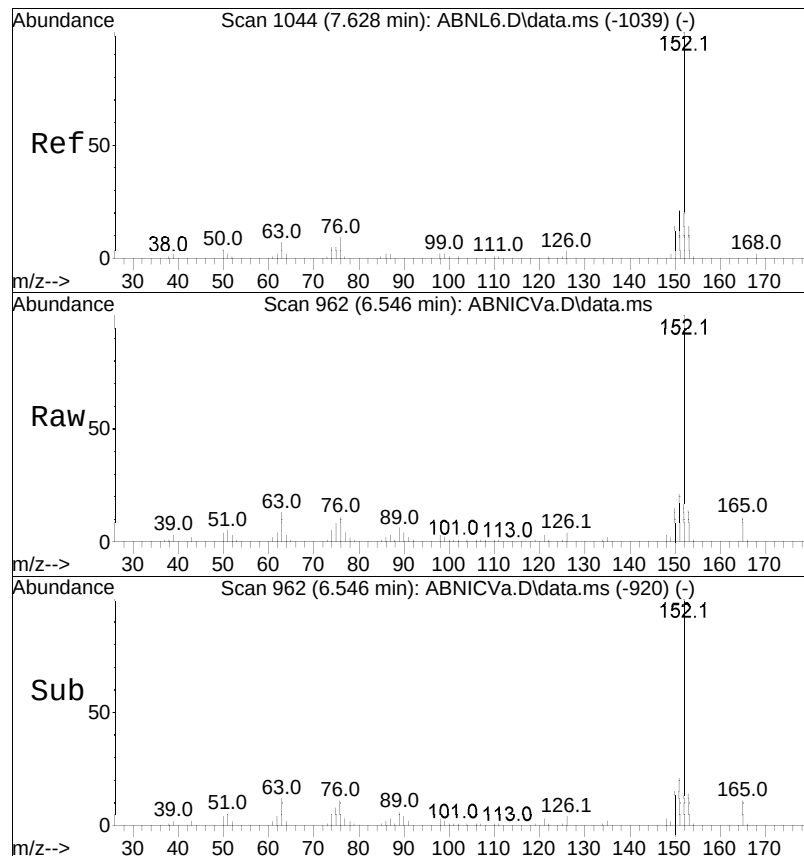
Delta R.T. 0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am

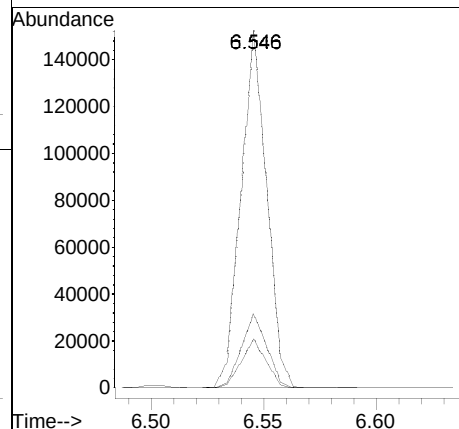
Tgt Ion:	163	Resp:	93469
Ion Ratio	Lower	Upper	
163	100		
194	2.7	2.3	3.5
164	10.5	8.2	12.2

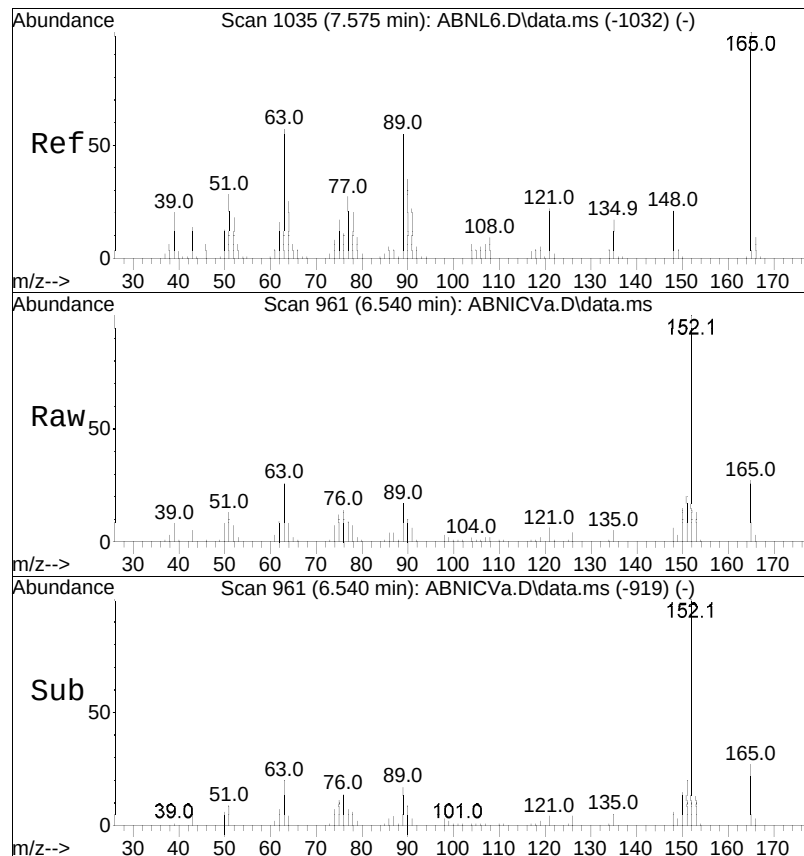




#52
 Acenaphthylene
 Concen: 5.12 ug/ml
 RT: 6.546 min Scan# 962
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

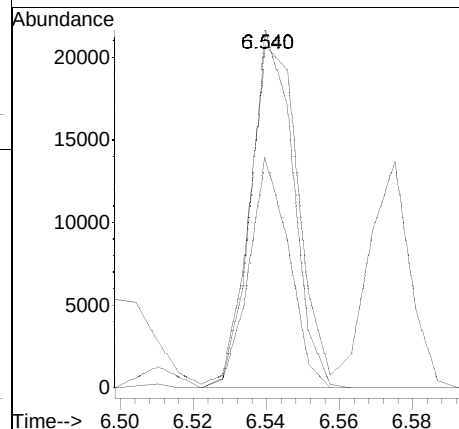
Tgt Ion	152	Resp	120672
Ion Ratio	100	Lower	Upper
151	20.5	15.9	23.9
153	13.3	10.5	15.7

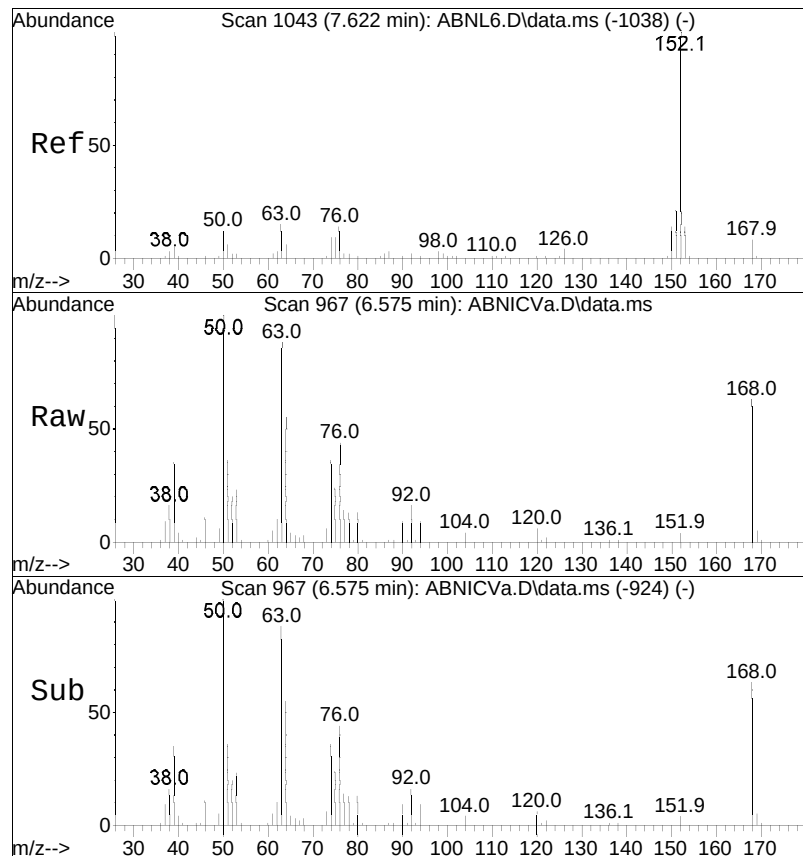




#53
 2,6-Dinitrotoluene
 Concen: 4.19 ug/ml
 RT: 6.540 min Scan# 961
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

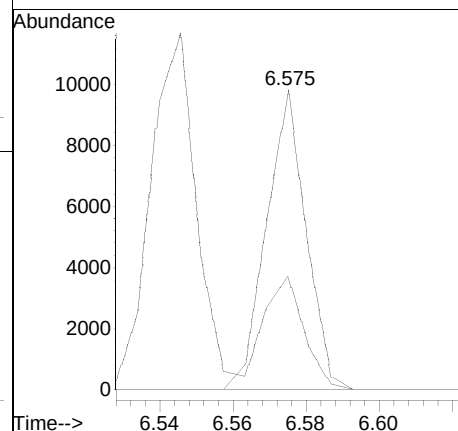
Tgt Ion:	165	Resp:	17334
Ion Ratio	Lower	Upper	
165	100		
89	61.0	48.8	73.2
63	110.6	50.5	75.7#

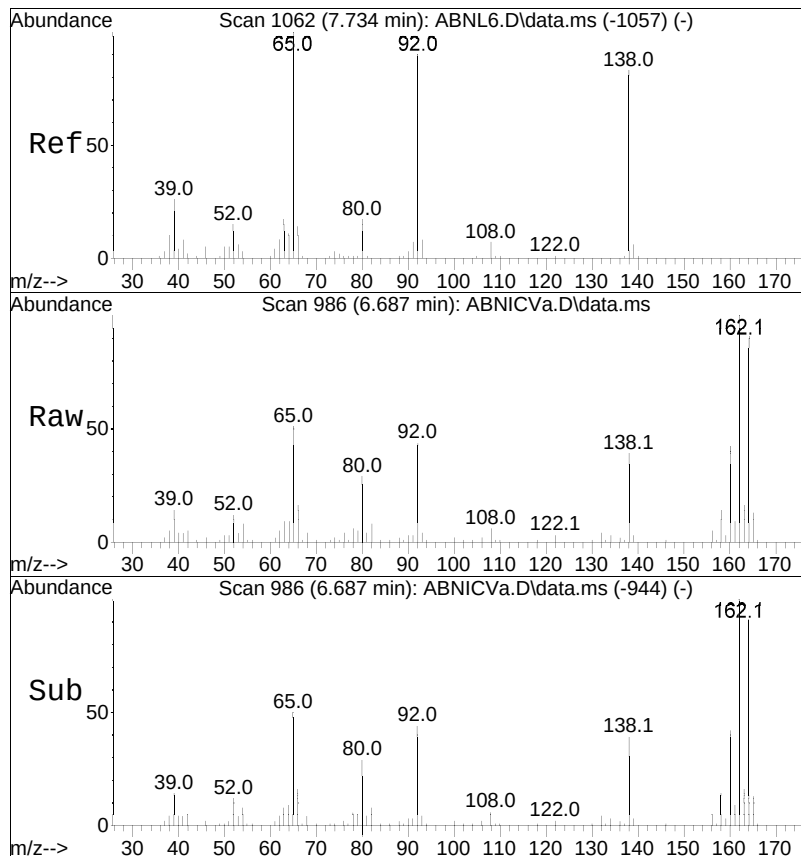




#54
 1,2-Dinitrobenzene
 Concen: 4.27 ug/ml
 RT: 6.575 min Scan# 967
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

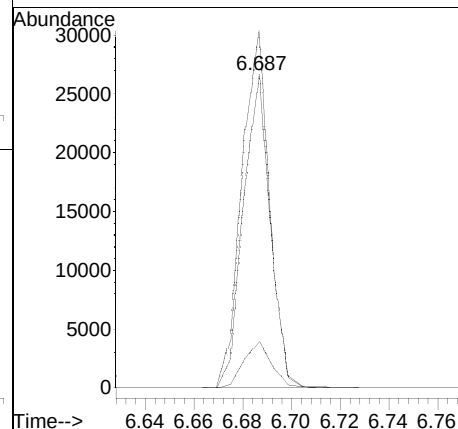
Tgt Ion:168 Resp: 7351
 Ion Ratio Lower Upper
 168 100
 75 131.7 32.2 48.2#

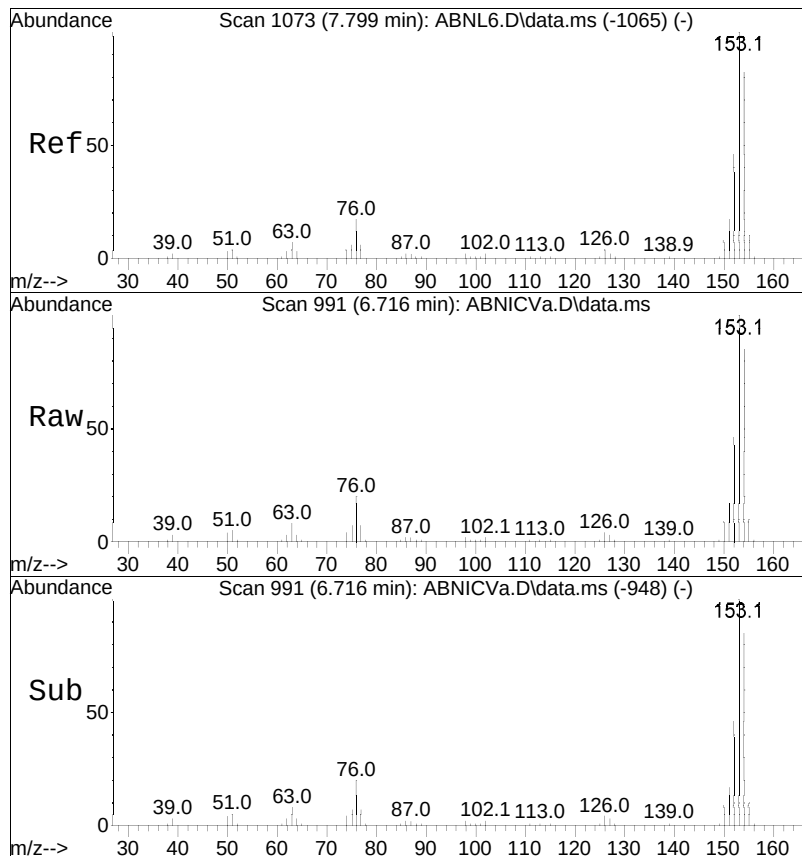




#64
 3-Nitroaniline
 Concen: 4.49 ug/ml
 RT: 6.687 min Scan# 986
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

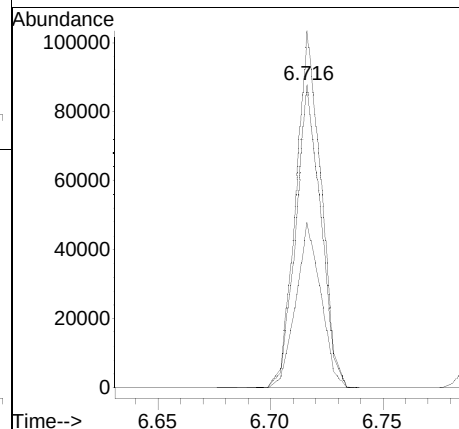
Tgt Ion:	138	Resp:	20338
Ion Ratio	Lower	Upper	
138	100		
92	116.5	92.8	139.2
108	15.7	7.9	11.9#

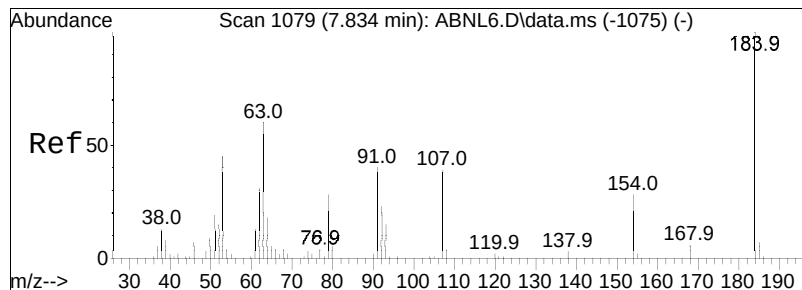




#65
 Acenaphthene
 Concen: 4.91 ug/ml
 RT: 6.716 min Scan# 991
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion:	154	Resp:	67786
Ion Ratio	Lower	Upper	
154	100		
153	118.5	93.0	139.4
152	54.7	43.3	64.9





#66

2,4-Dinitrophenol

Concen: 3.99 ug/ml

RT: 6.787 min Scan# 1003

Delta R.T. -0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am

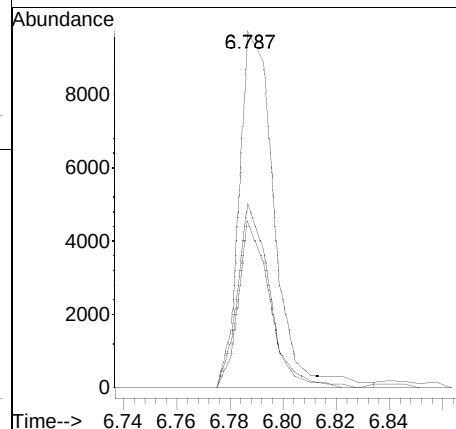
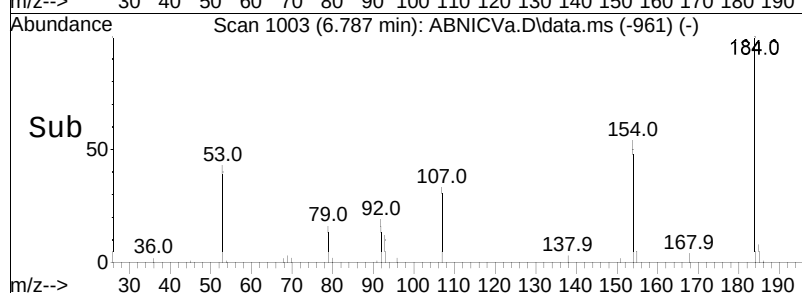
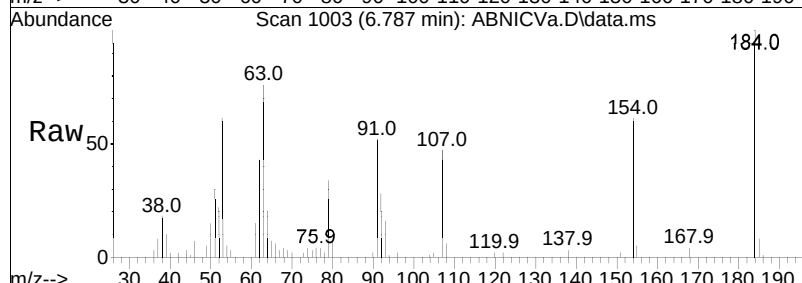
Tgt Ion:184 Resp: 8850

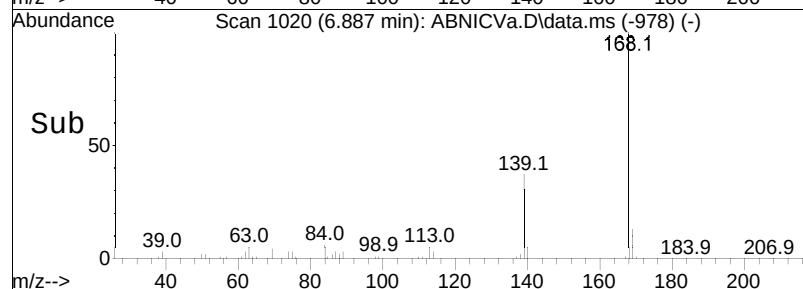
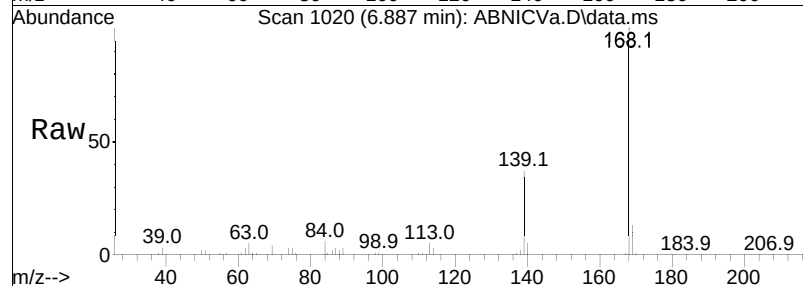
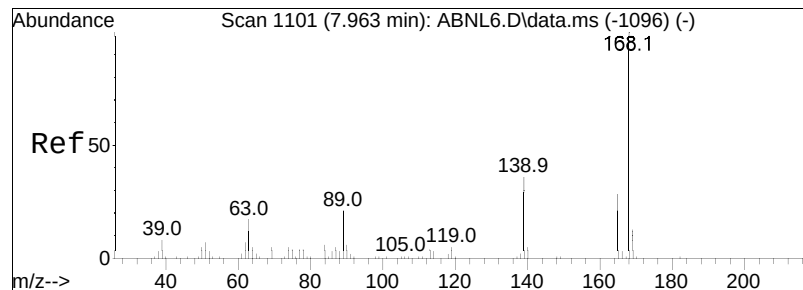
Ion Ratio Lower Upper

184 100

107 41.7 41.8 62.6#

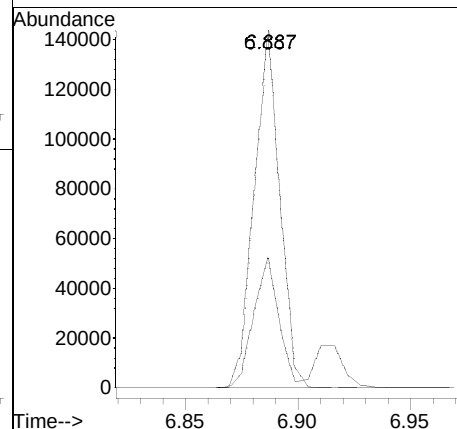
91 47.6 44.2 66.2

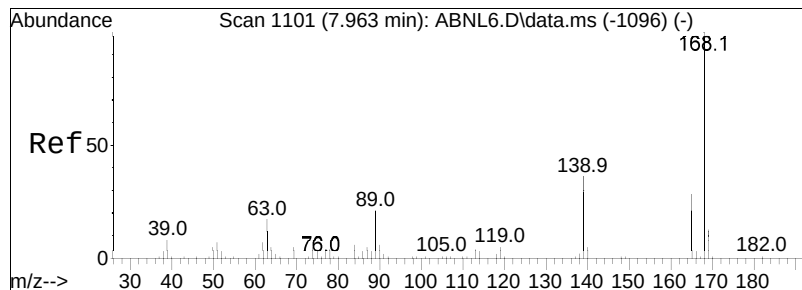




#67
 Dibenzofuran
 Concen: 4.88 ug/ml
 RT: 6.887 min Scan# 1020
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

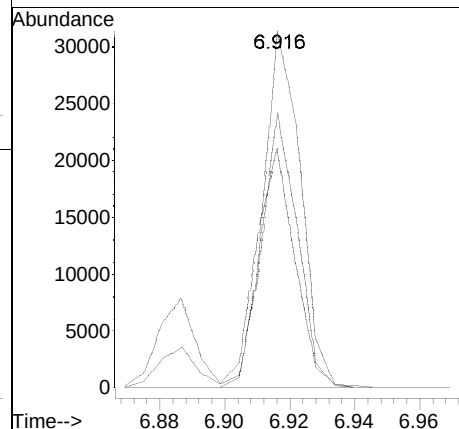
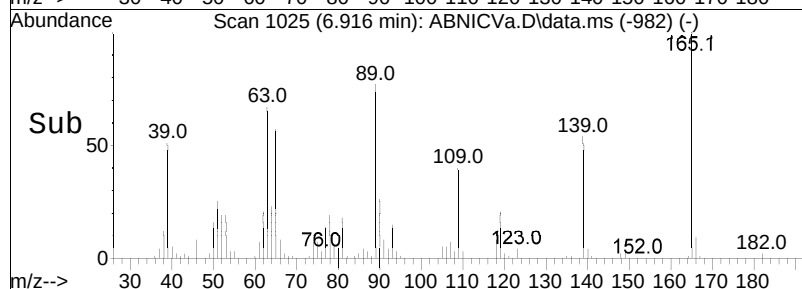
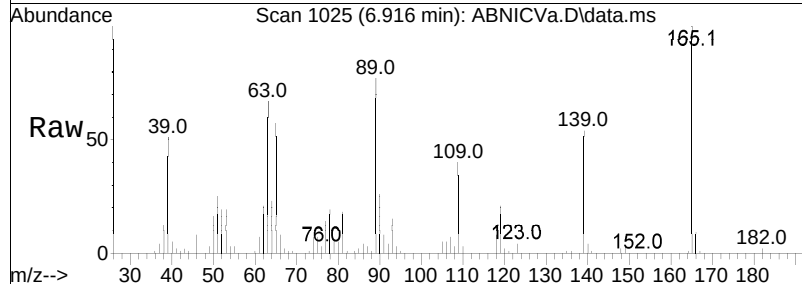
Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.2	32.3	48.5

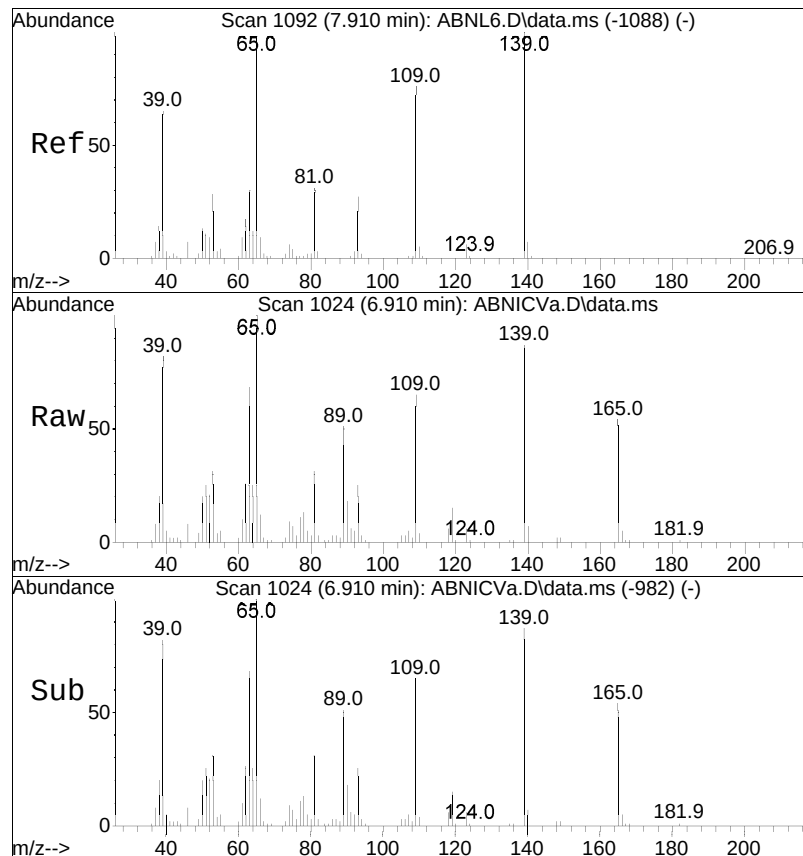




#68
 2,4-Dinitrotoluene
 Concen: 4.35 ug/ml
 RT: 6.916 min Scan# 1025
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

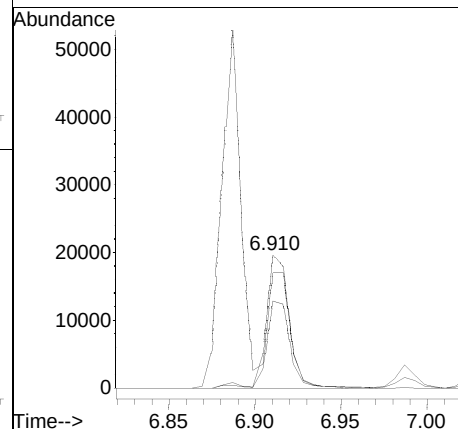
Tgt Ion:	165	Resp:	24798
Ion Ratio	Lower	Upper	
165	100		
89	74.3	73.0	109.4
63	70.1	56.3	84.5

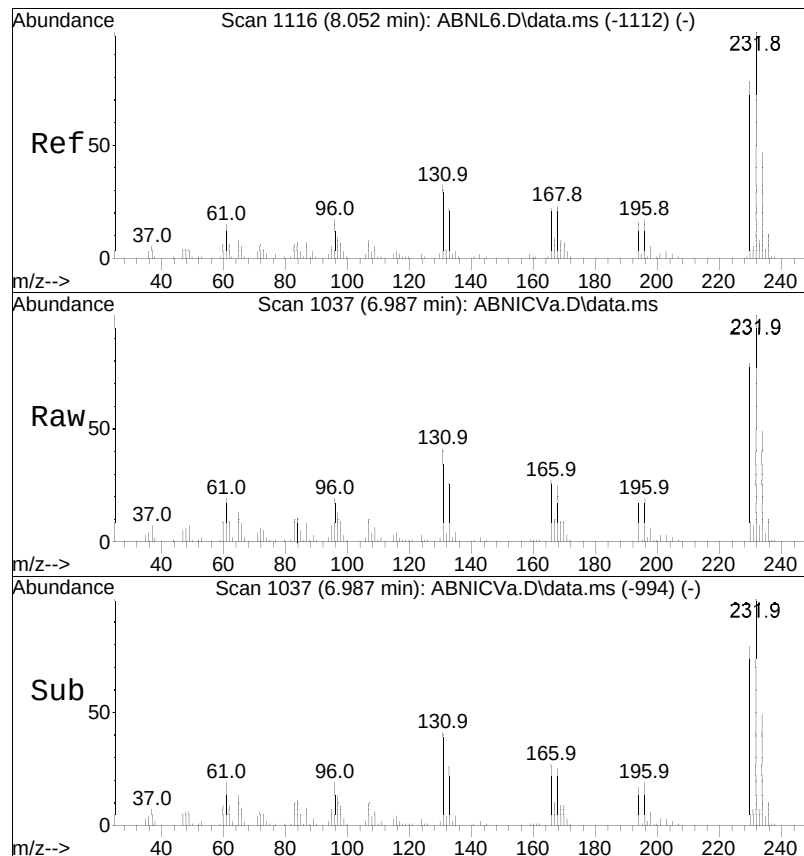




#69
 4-Nitrophenol
 Concen: 4.78 ug/ml
 RT: 6.910 min Scan# 1024
 Delta R.T. -0.006 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

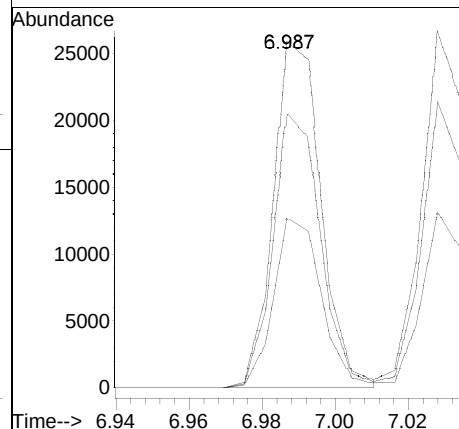
Tgt Ion:	65	Resp:	18414
Ion Ratio	Lower	Upper	
65	100		
109	65.8	60.2	90.2
139	220.3	81.1	121.7#

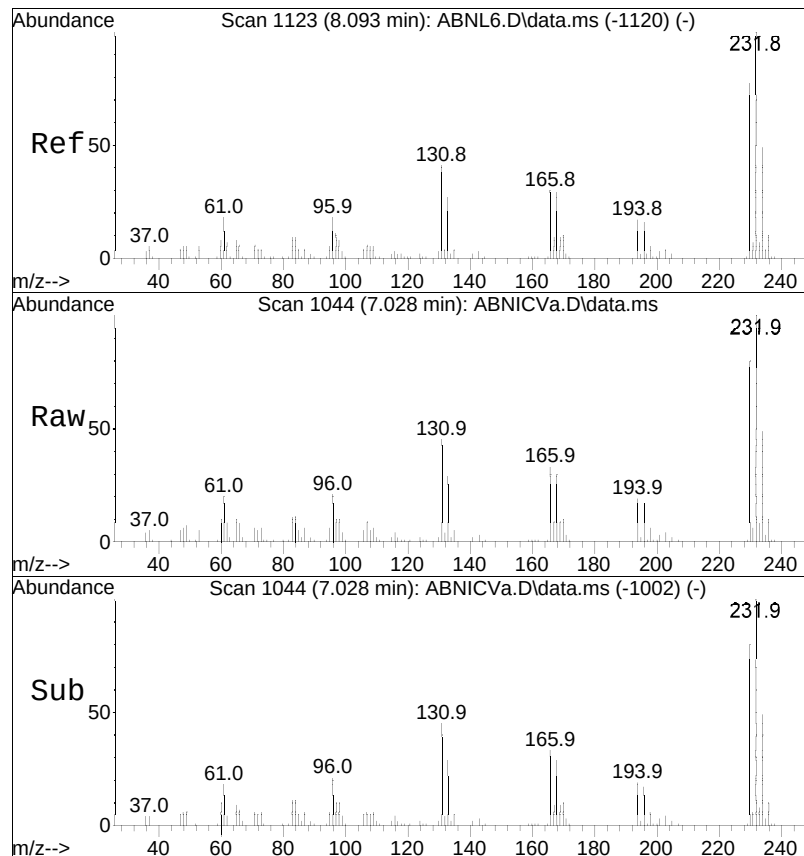




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 4.13 ug/ml
 RT: 6.987 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

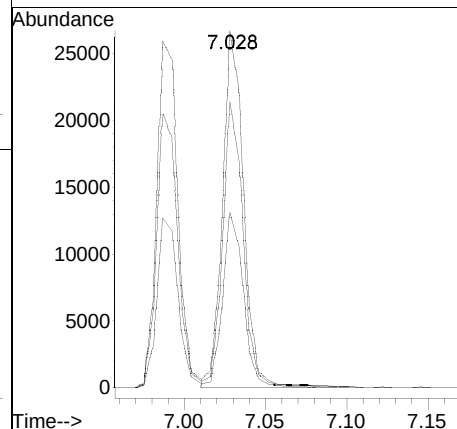
Tgt Ion:	232	Resp:	23528
Ion Ratio	Lower	Upper	
232	100		
230	78.8	63.8	95.8
234	49.0	38.3	57.5

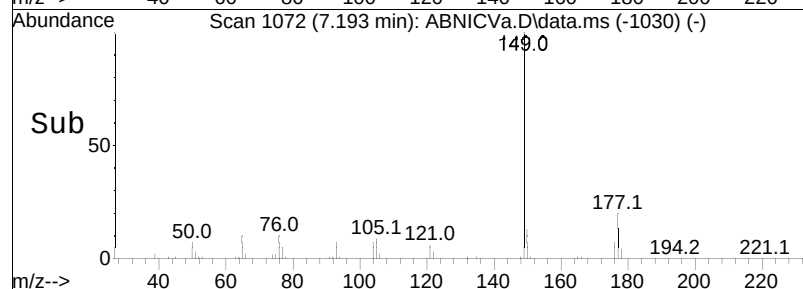
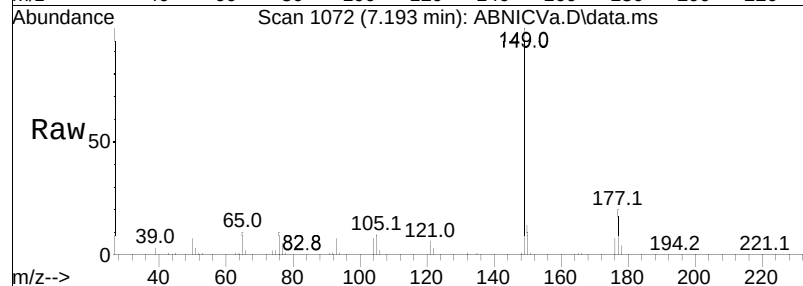
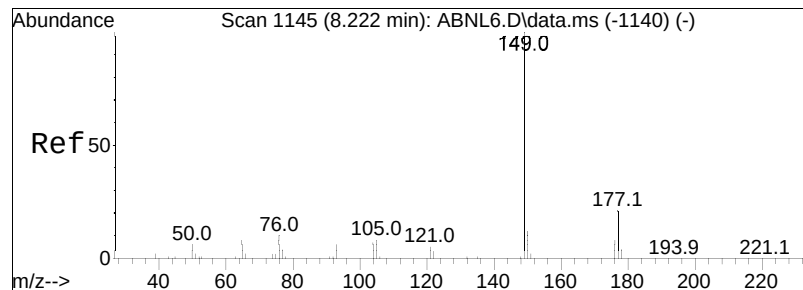




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 4.28 ug/ml
 RT: 7.028 min Scan# 1044
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion:	232	Resp:	24306
Ion Ratio	Lower	Upper	
232	100		
230	76.3	63.8	95.8
234	48.2	39.0	58.6





#72

Diethyl phthalate

Concen: 5.03 ug/ml

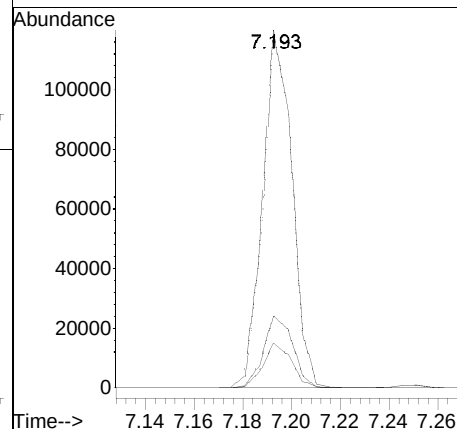
RT: 7.193 min Scan# 1072

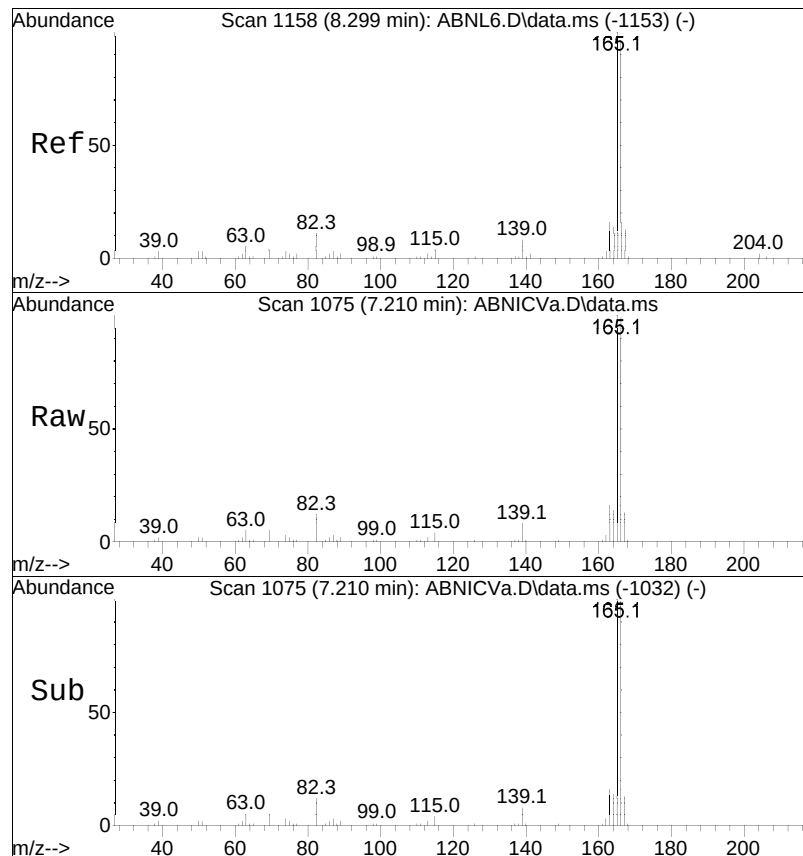
Delta R.T. -0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am

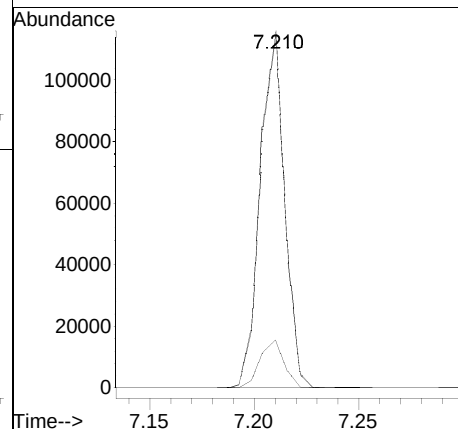
Tgt Ion:	149	Resp:	98507
Ion Ratio	Lower	Upper	
149	100		
177	20.3	15.0	22.6
150	12.4	9.8	14.6

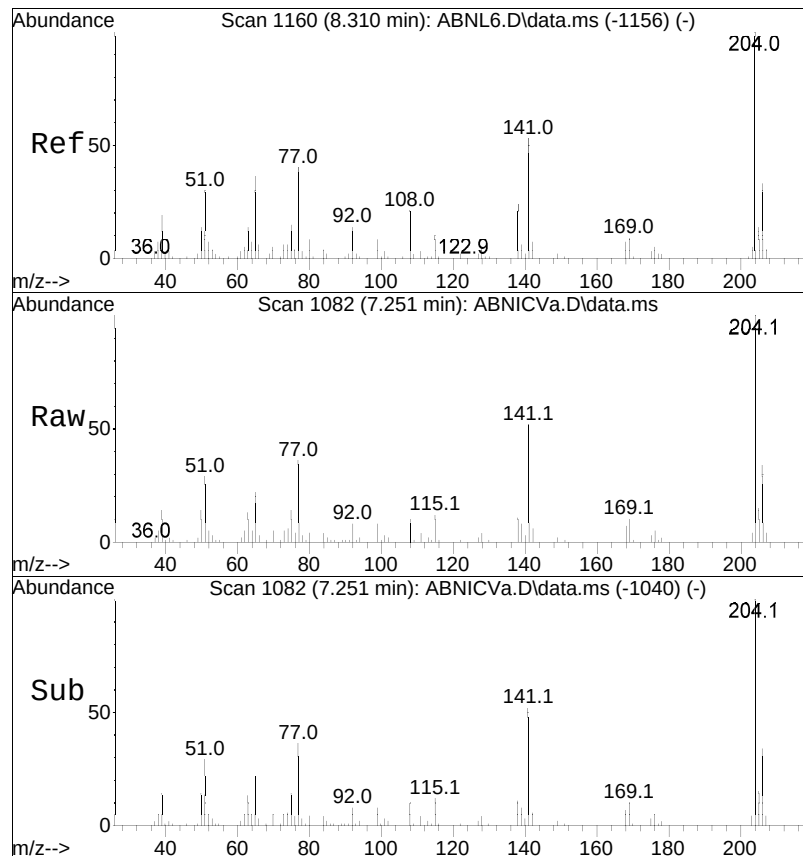




#73
 Fluorene
 Concen: 4.99 ug/ml
 RT: 7.210 min Scan# 1075
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

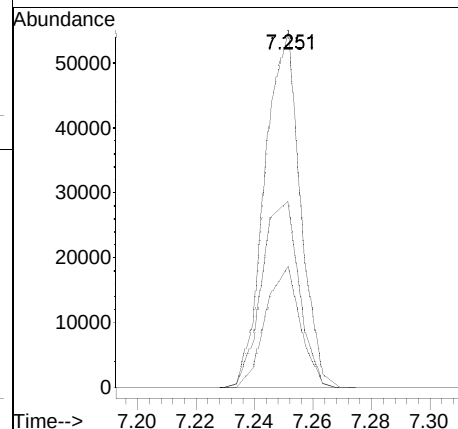
Tgt Ion:	166	Resp:	93015
Ion Ratio	Lower	Upper	
166	100		
165	102.3	80.0	120.0
167	13.6	10.7	16.1

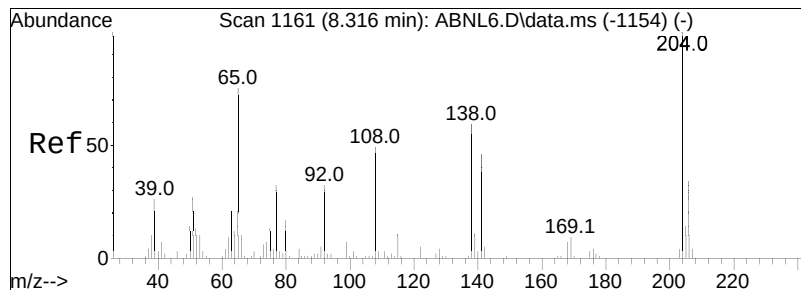




#74
 4-Chlorophenyl phenyl ether
 Concen: 4.69 ug/ml
 RT: 7.251 min Scan# 1082
 Delta R.T. -0.001 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

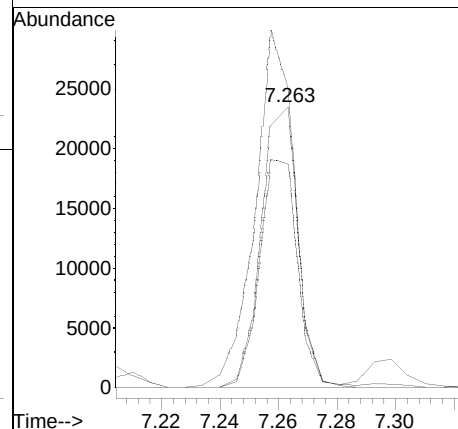
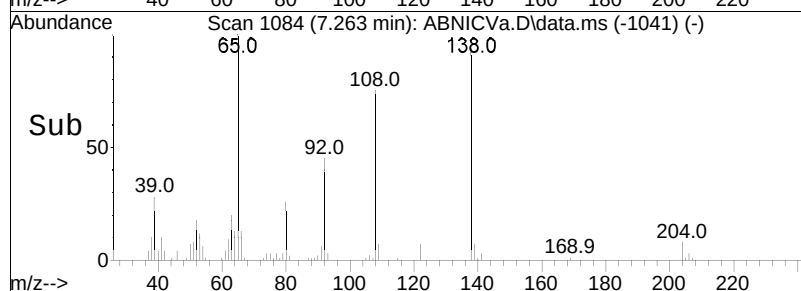
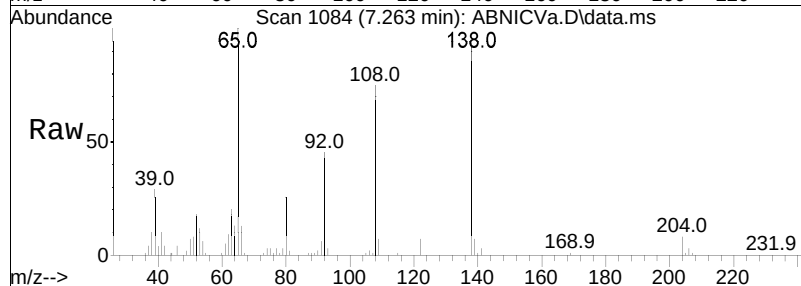
Tgt Ion:	204	Resp:	45988
Ion Ratio	Lower	Upper	
204	100		
206	33.5	26.3	39.5
141	55.2	58.4	87.6#

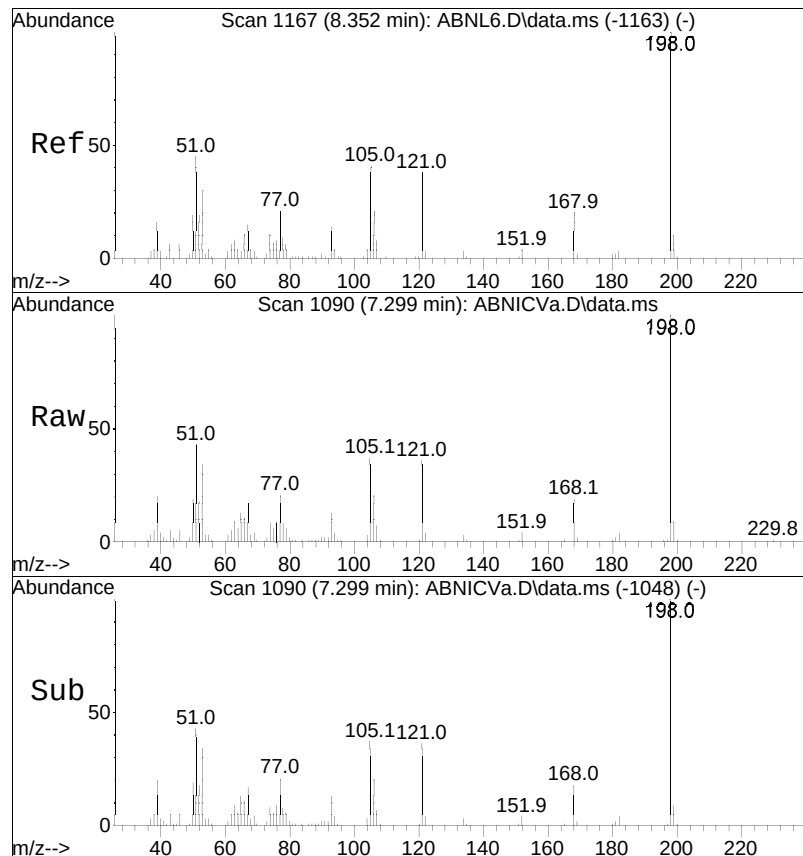




#75
 4-Nitroaniline
 Concen: 4.58 ug/ml
 RT: 7.263 min Scan# 1084
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

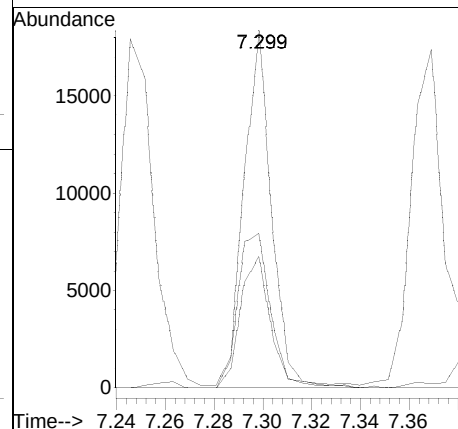
Tgt Ion:	138	Resp:	20475
Ion Ratio	Lower	Upper	
138	100		
108	83.6	59.2	88.8
65	134.7	97.6	146.4

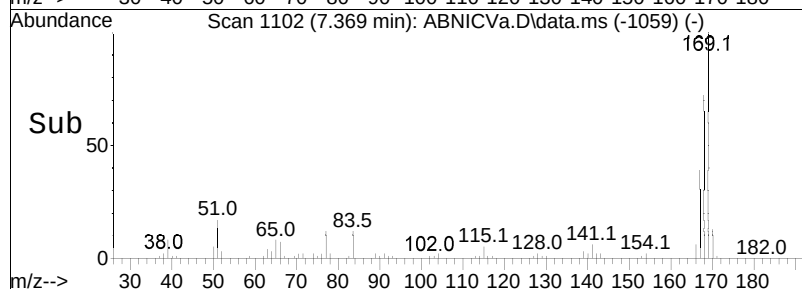
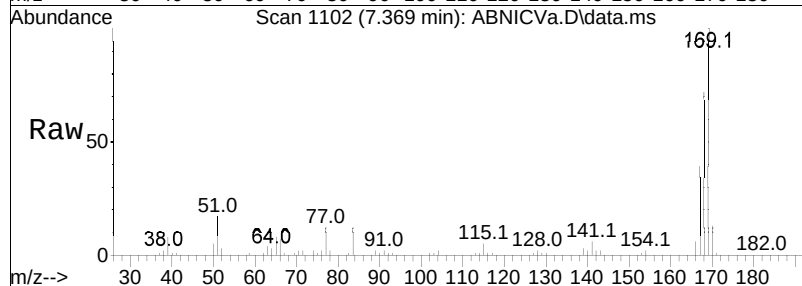
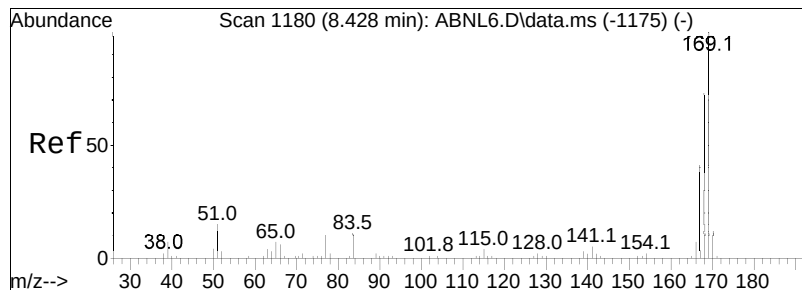




#76
 4,6-Dinitro-o-cresol
 Concen: 4.32 ug/ml
 RT: 7.299 min Scan# 1090
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion:	198	Resp:	14437
Ion Ratio	Lower	Upper	
198	100		
51	51.4	49.9	74.9
105	41.1	45.8	68.6#





#77

NDPA/DPA

Concen: 5.08 ug/ml

RT: 7.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am

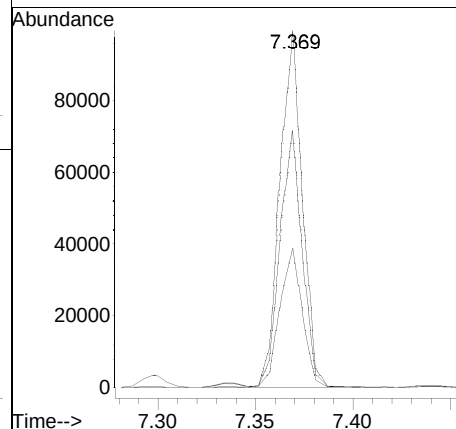
Tgt Ion:169 Resp: 79194

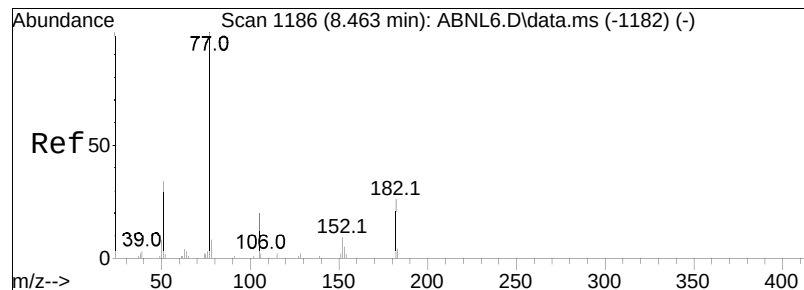
Ion Ratio Lower Upper

169 100

168 71.3 55.2 82.8

167 39.4 30.4 45.6





#78

Azobenzene

Concen: 5.29 ug/ml M6

RT: 7.393 min Scan# 1106

Delta R.T. -0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am

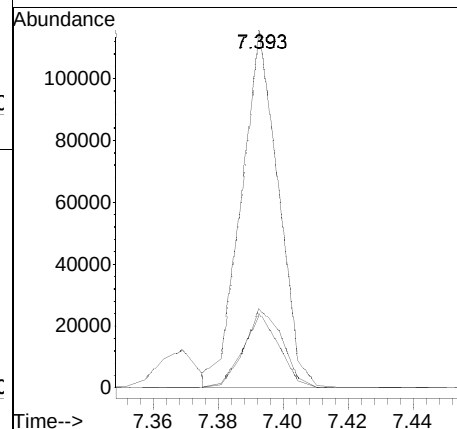
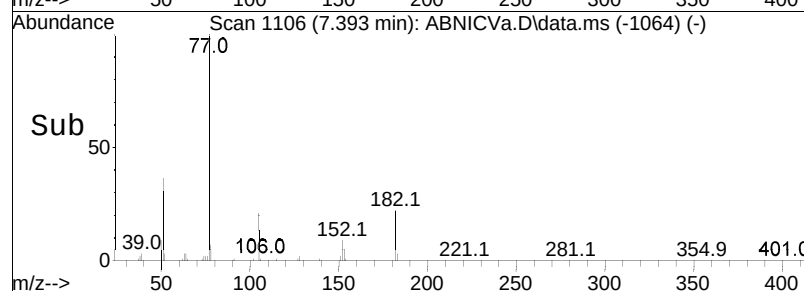
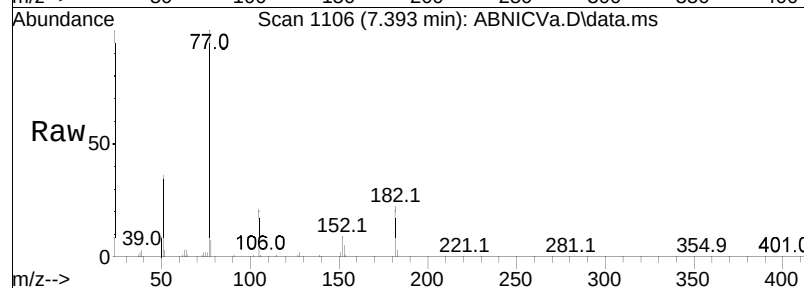
Tgt Ion: 77 Resp: 90814

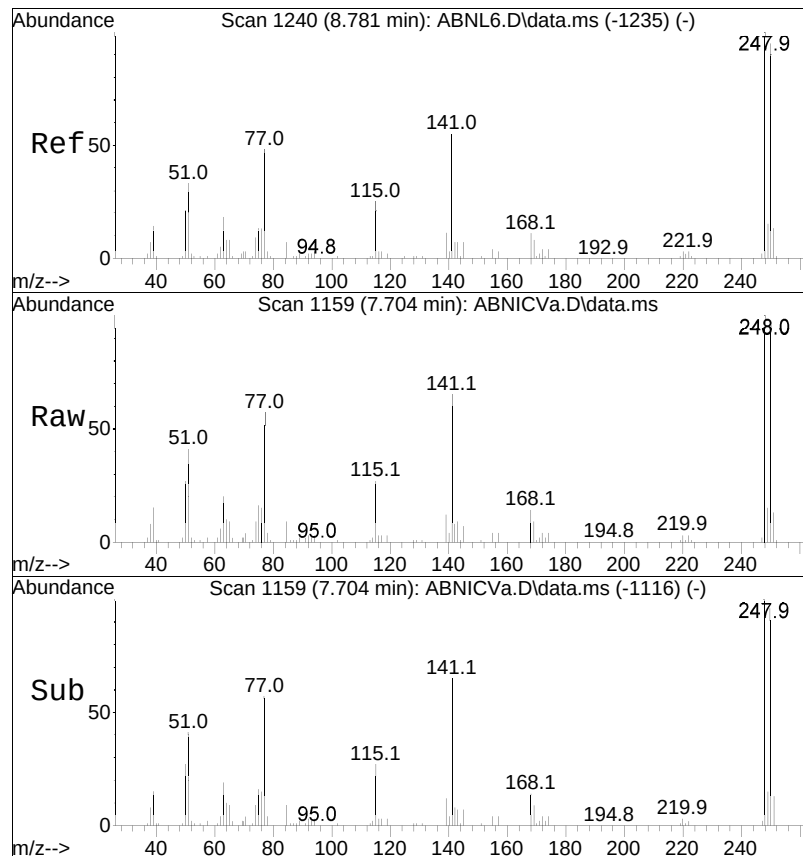
Ion Ratio Lower Upper

77 100

182 22.9 16.2 24.2

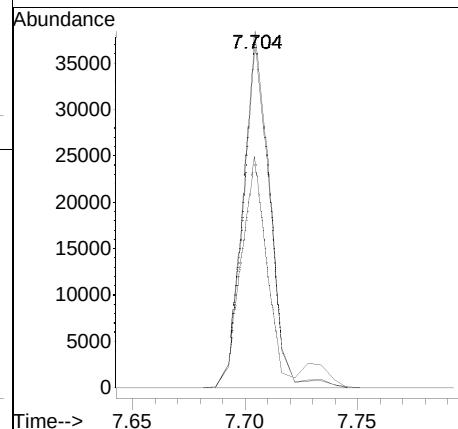
105 20.8 17.9 26.9

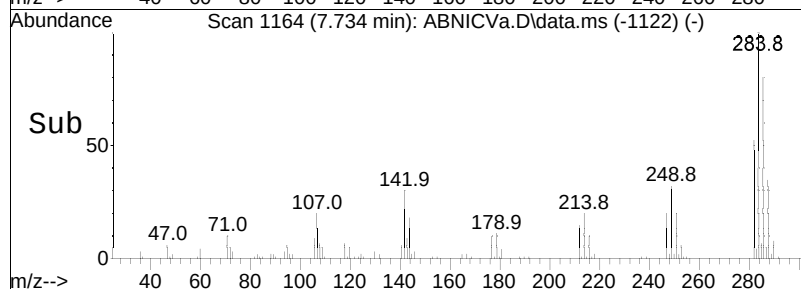
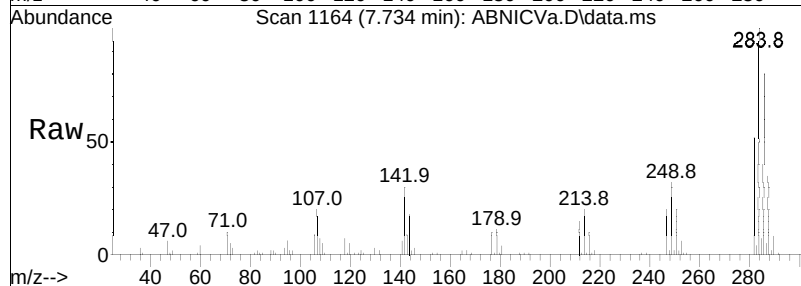
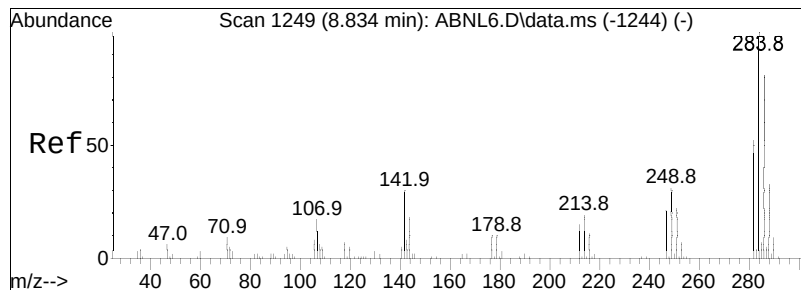




#80
 4-Bromophenyl phenyl ether
 Concen: 4.90 ug/ml
 RT: 7.704 min Scan# 1159
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt	Ion:248	Resp:	31417
Ion	Ratio	Lower	Upper
248	100		
141	63.2	74.6	111.8#
250	96.3	76.9	115.3





#81

Hexachlorobenzene

Concen: 4.67 ug/ml

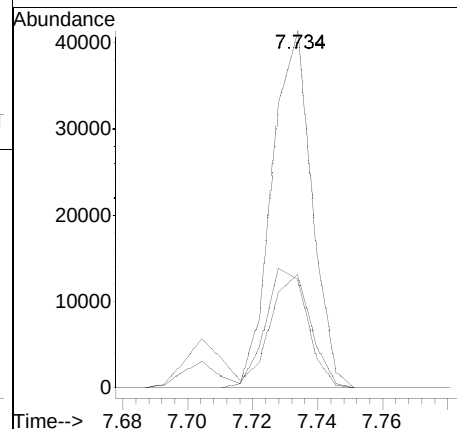
RT: 7.734 min Scan# 1164

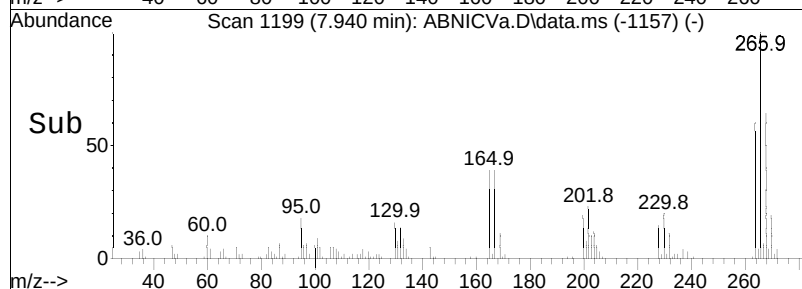
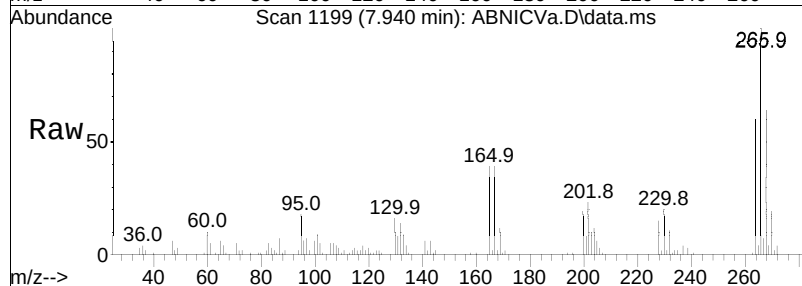
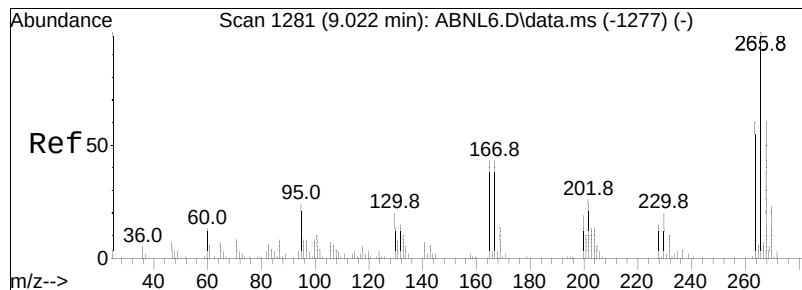
Delta R.T. -0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am

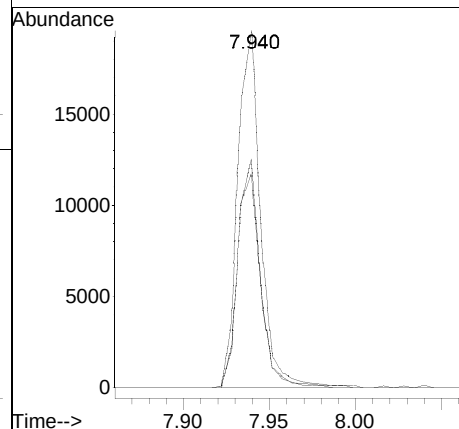
Tgt Ion:	284	Resp:	35435
Ion Ratio	Lower	Upper	
284	100		
142	34.7	37.6	56.4#
249	32.5	25.4	38.2

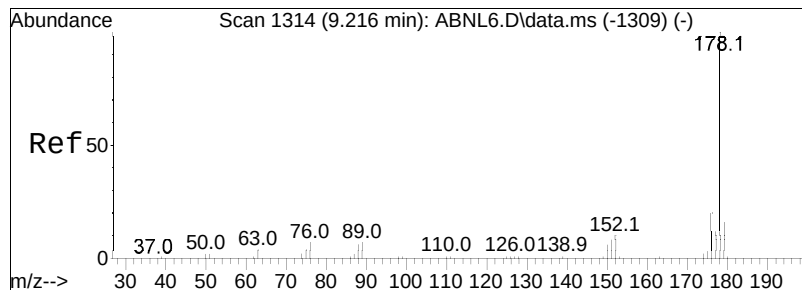




#82
 Pentachlorophenol
 Concen: 4.06 ug/ml
 RT: 7.940 min Scan# 1199
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	18224		
264	60.4		50.7	76.1
268	63.6		52.5	78.7





#89

Phenanthrene

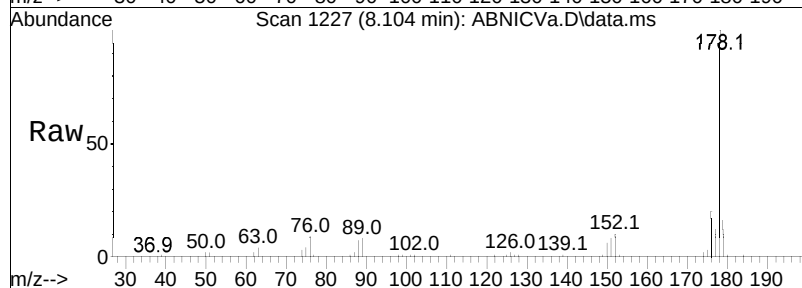
Concen: 4.91 ug/ml

RT: 8.104 min Scan# 1227

Delta R.T. 0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am



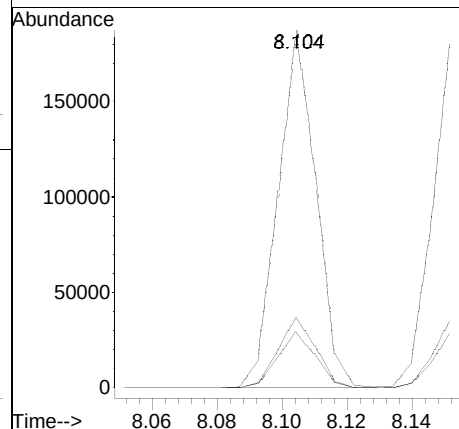
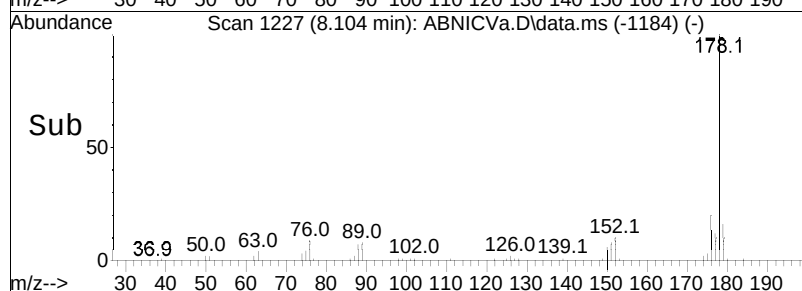
Tgt Ion:178 Resp: 151732

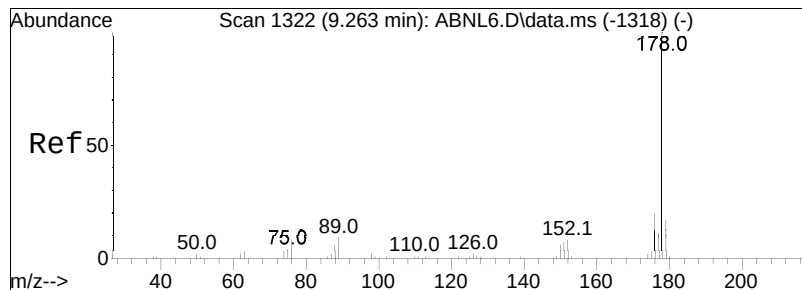
Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

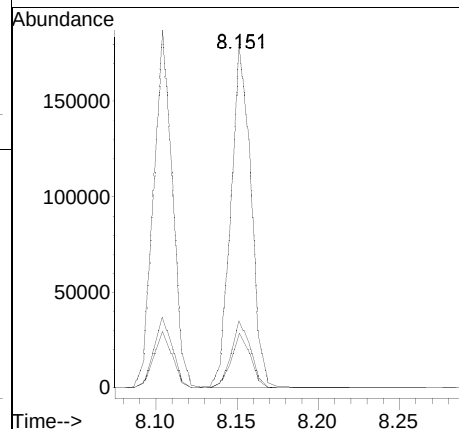
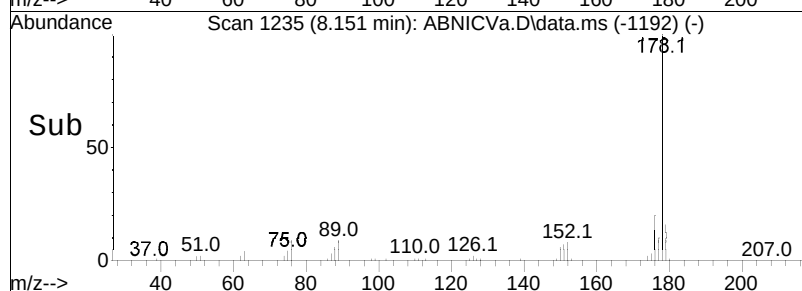
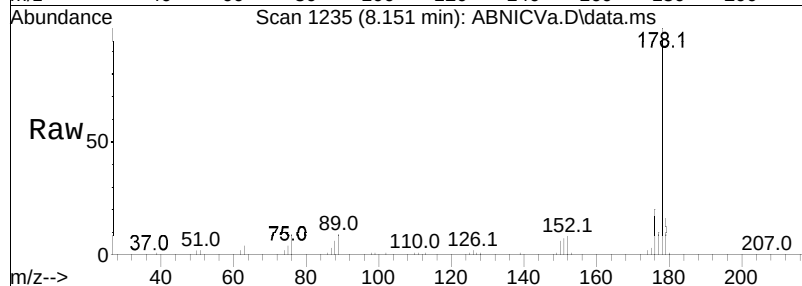
176 19.5 15.4 23.2

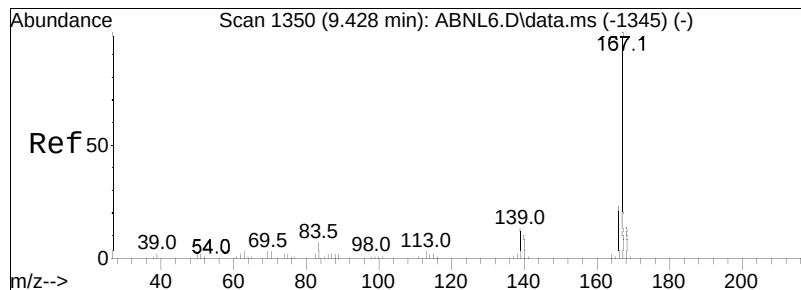




#90
 Anthracene
 Concen: 5.03 ug/ml
 RT: 8.151 min Scan# 1235
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

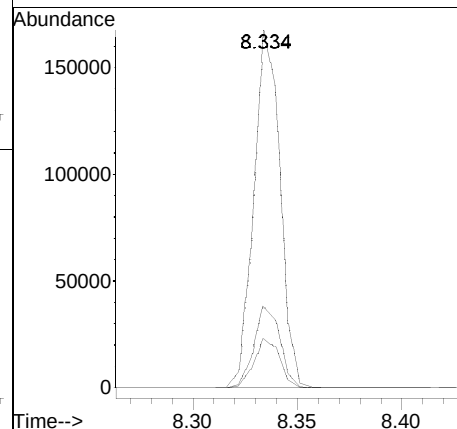
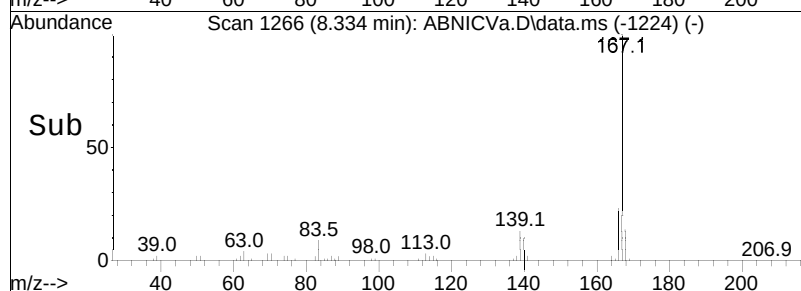
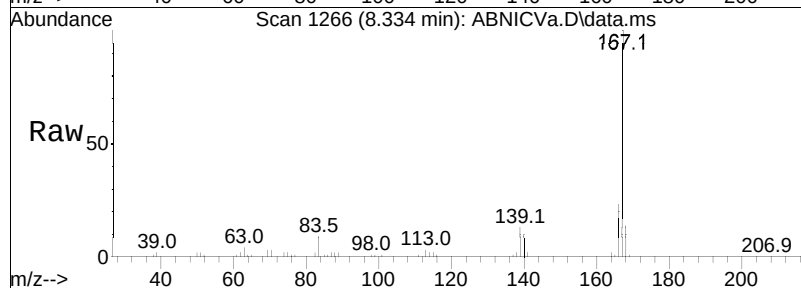
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	19.0	15.1	22.7

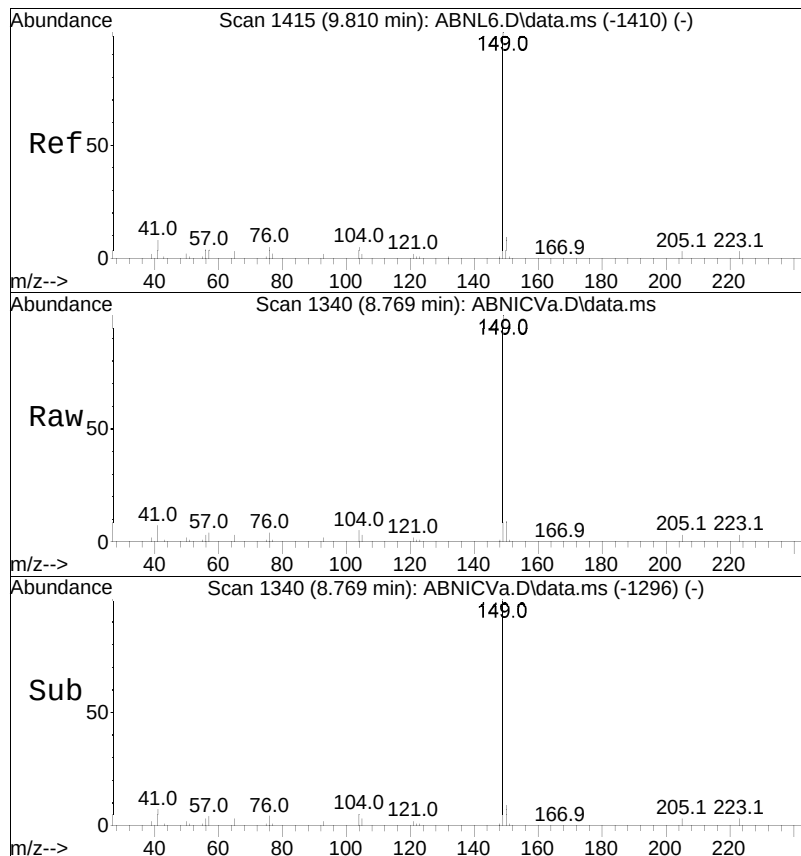




#91
 Carbazole
 Concen: 5.20 ug/ml
 RT: 8.334 min Scan# 1266
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

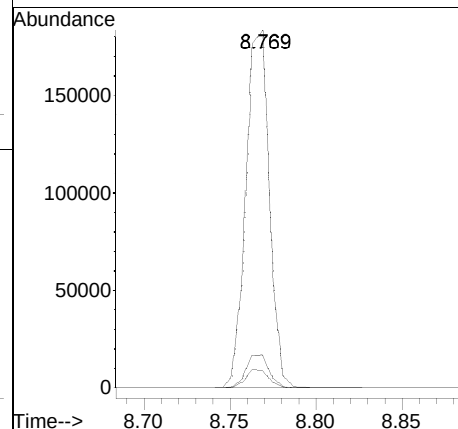
Tgt Ion	Ratio	Lower	Upper
167	100		
168	13.7	10.8	16.2
166	22.7	17.7	26.5

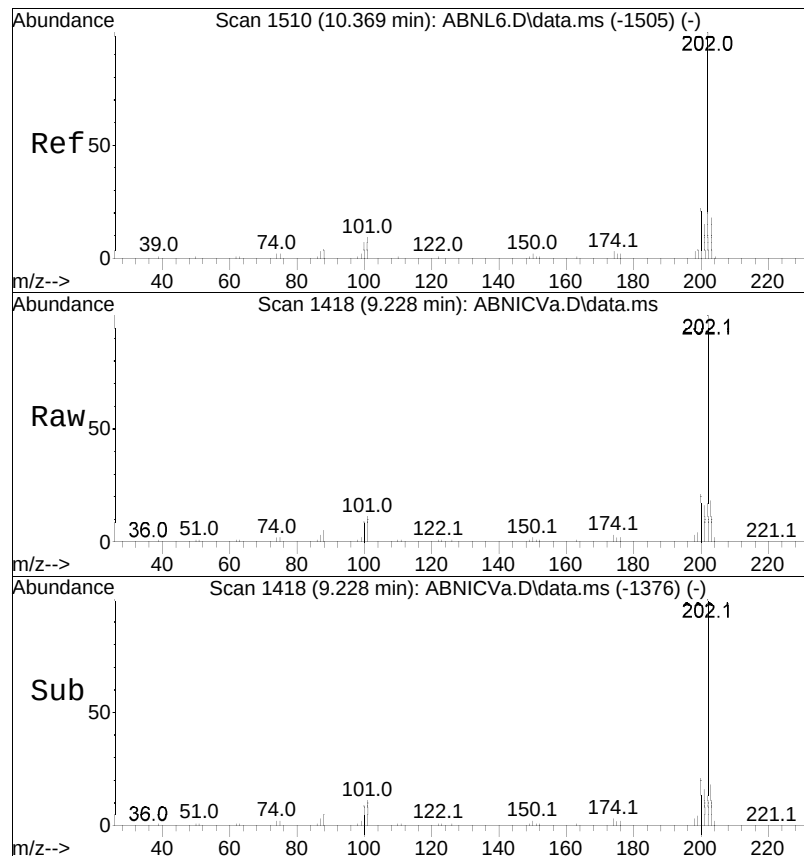




#92
 Di-n-butylphthalate
 Concen: 5.24 ug/ml
 RT: 8.769 min Scan# 1340
 Delta R.T. 0.006 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

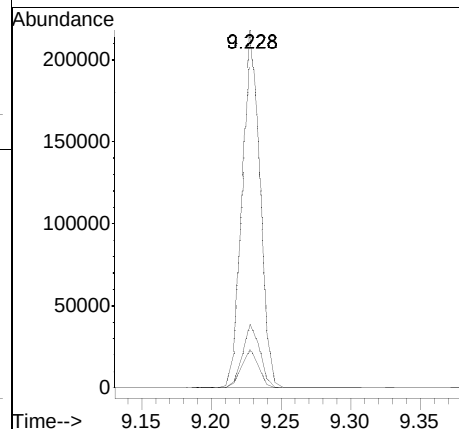
Tgt Ion	149	Resp	171468
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.3	10.9
104	5.1	4.0	6.0

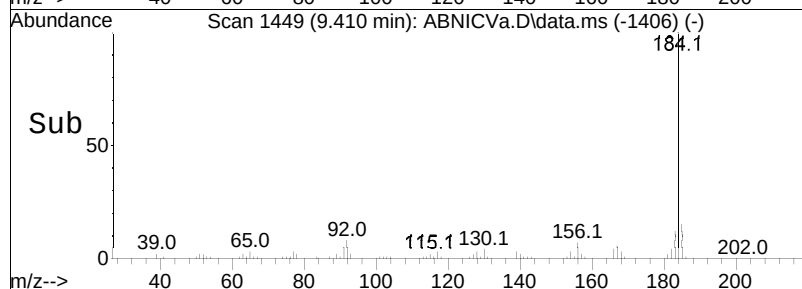
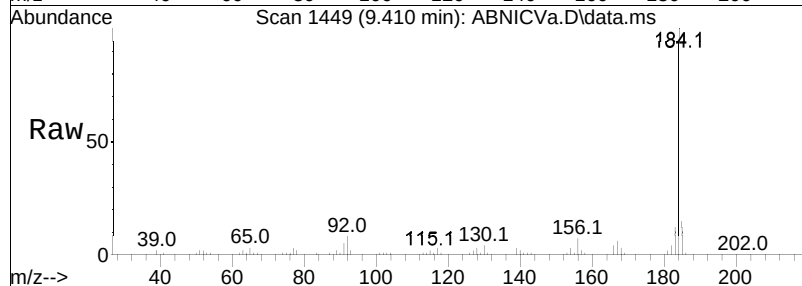
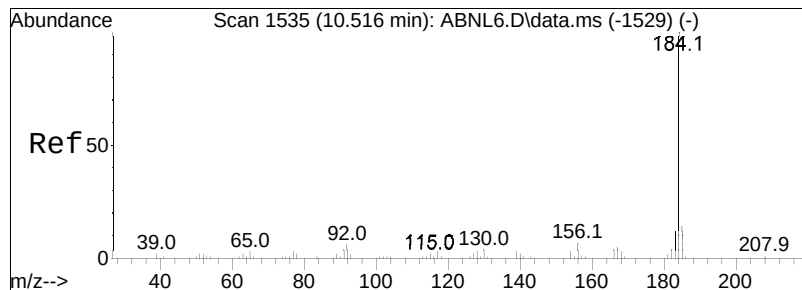




#93
 Fluoranthene
 Concen: 5.14 ug/ml M3
 RT: 9.228 min Scan# 1418
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt	Ion:202	Resp:	191999
Ion	Ratio	Lower	Upper
202	100		
101	13.8	11.2	16.8
203	18.9	13.7	20.5





#94

Benzidine

Concen: 4.81 ug/ml

RT: 9.410 min Scan# 1449

Delta R.T. 0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am

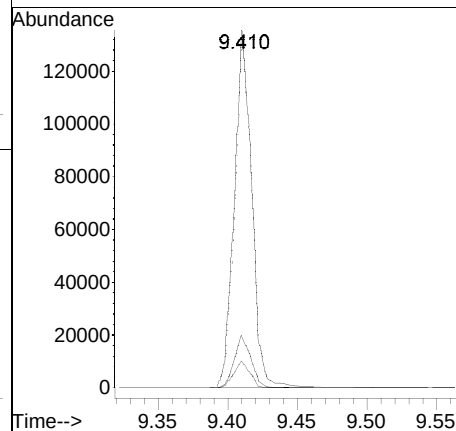
Tgt Ion:184 Resp: 115660

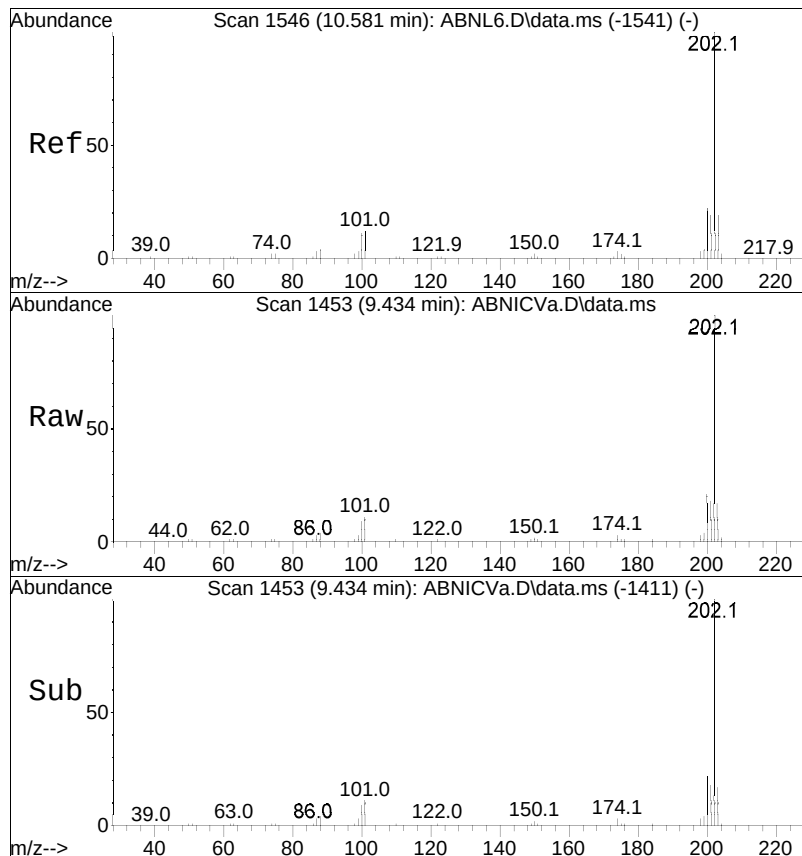
Ion Ratio Lower Upper

184 100

92 7.3 7.3 10.9#

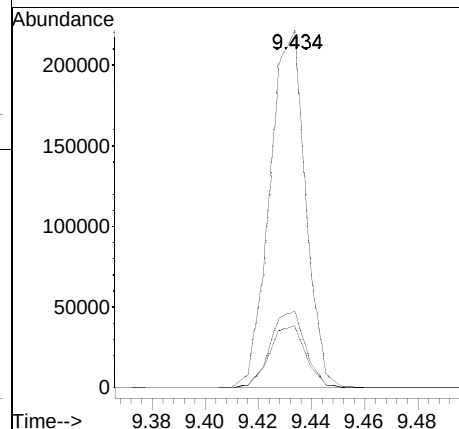
185 14.5 11.8 17.8

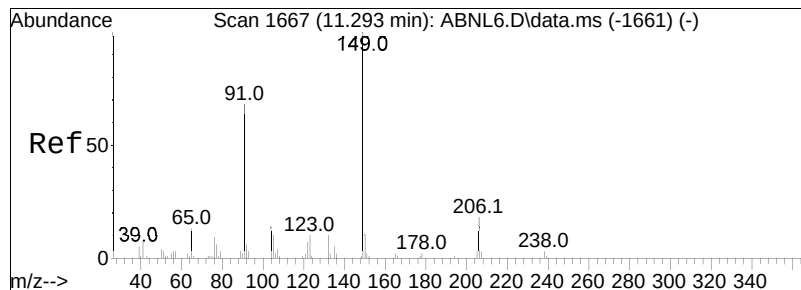




#95
 Pyrene
 Concen: 5.32 ug/ml
 RT: 9.434 min Scan# 1453
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion:	202	Resp:	204682
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.9	25.3
203	17.8	14.3	21.5





#97

Butyl benzyl phthalate

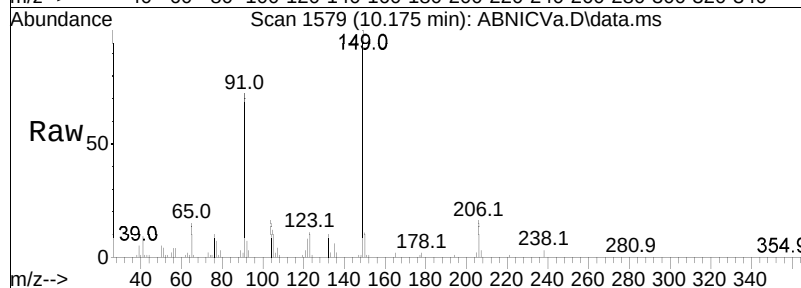
Concen: 4.45 ug/ml

RT: 10.175 min Scan# 1579

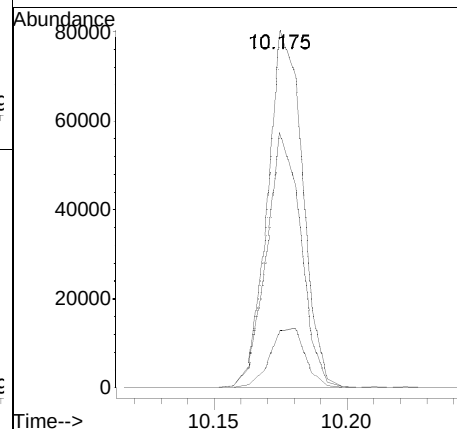
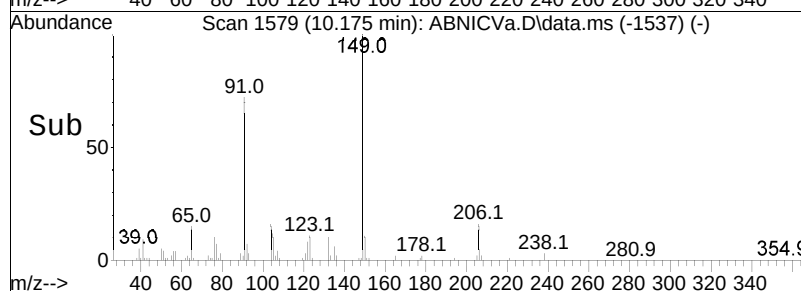
Delta R.T. -0.000 min

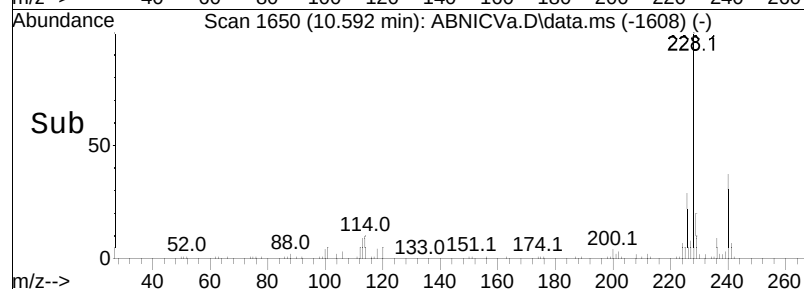
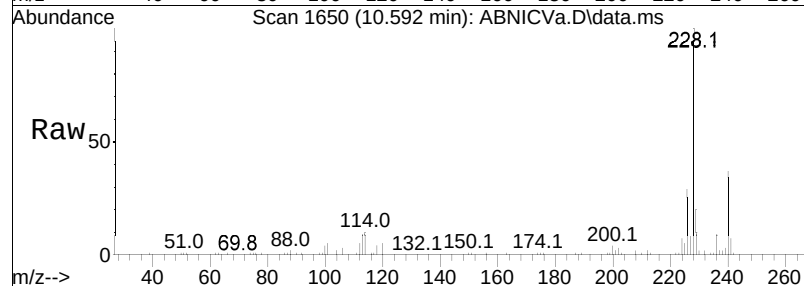
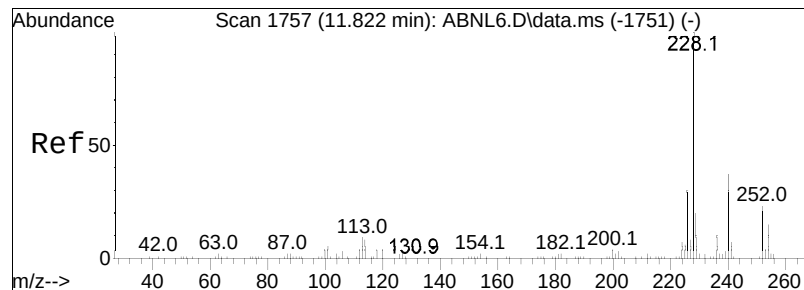
Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am



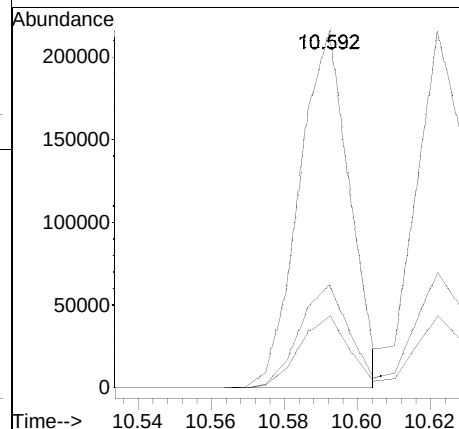
Tgt Ion:	149	Resp:	72857
Ion Ratio	Lower	Upper	
149	100		
91	70.2	57.9	86.9
206	16.7	11.9	17.9

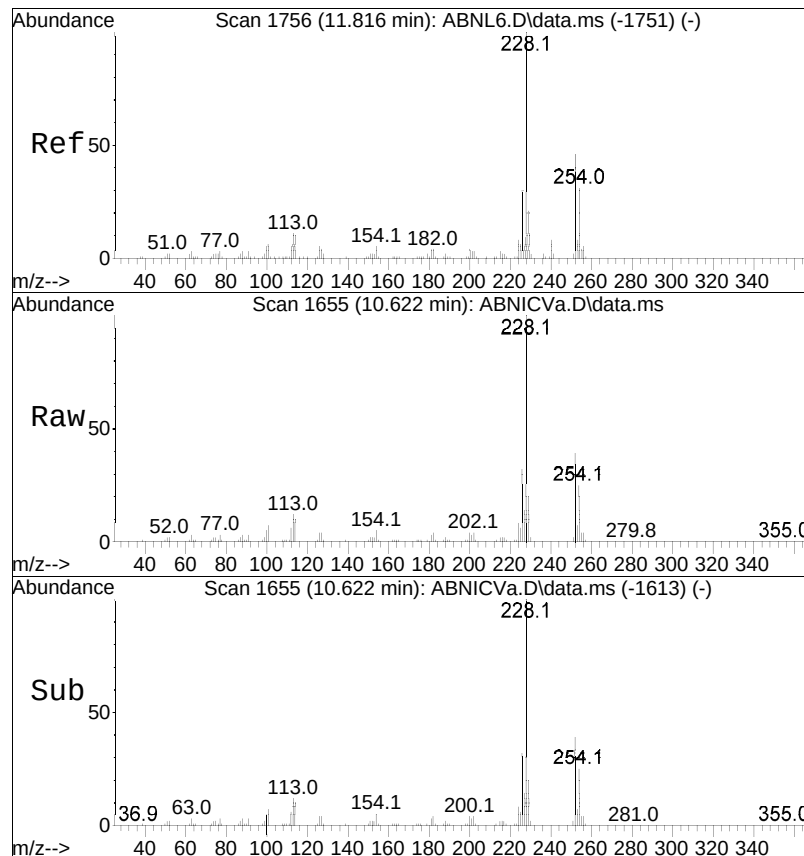




#105
 Benzo(a)anthracene
 Concen: 4.86 ug/ml
 RT: 10.592 min Scan# 1650
 Delta R.T. -0.001 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

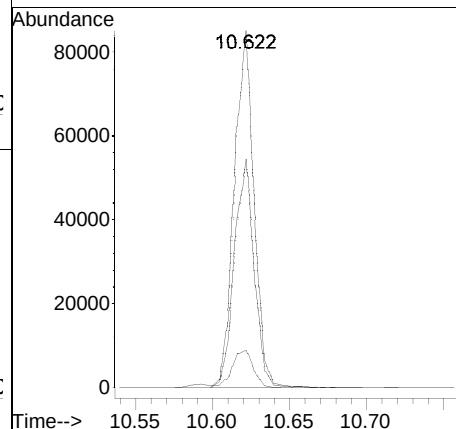
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	34.0
229	19.9	15.8	23.6

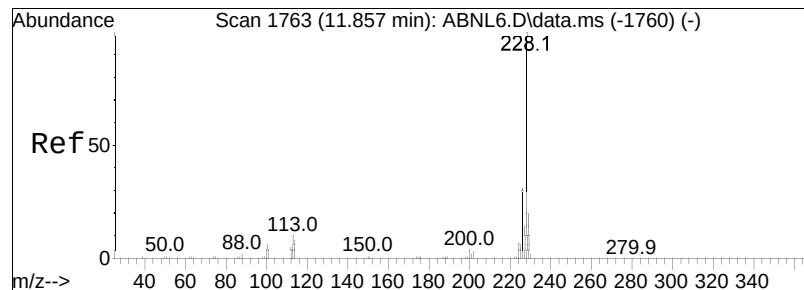




#106
 3,3'-Dichlorobenzidine
 Concen: 4.85 ug/ml
 RT: 10.622 min Scan# 1655
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion:	252	Resp:	74975
Ion Ratio	Lower	Upper	
252	100		
126	12.5	12.6	19.0#
254	64.5	51.1	76.7





#107

Chrysene

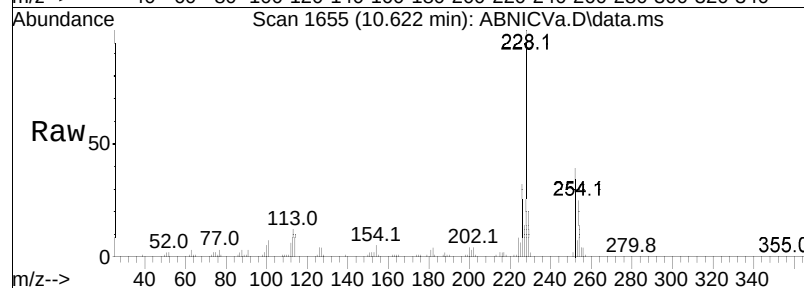
Concen: 5.00 ug/ml

RT: 10.622 min Scan# 1655

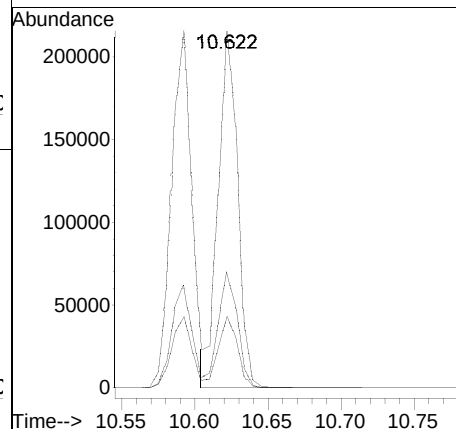
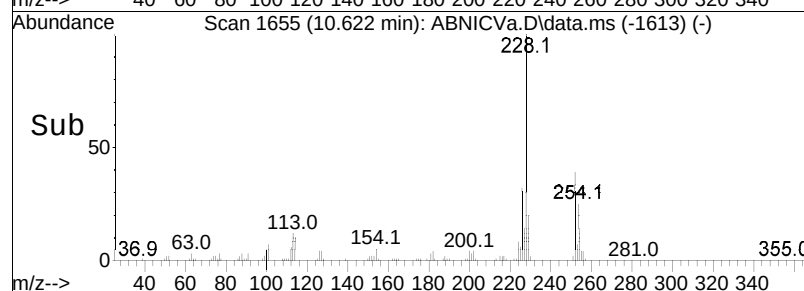
Delta R.T. -0.000 min

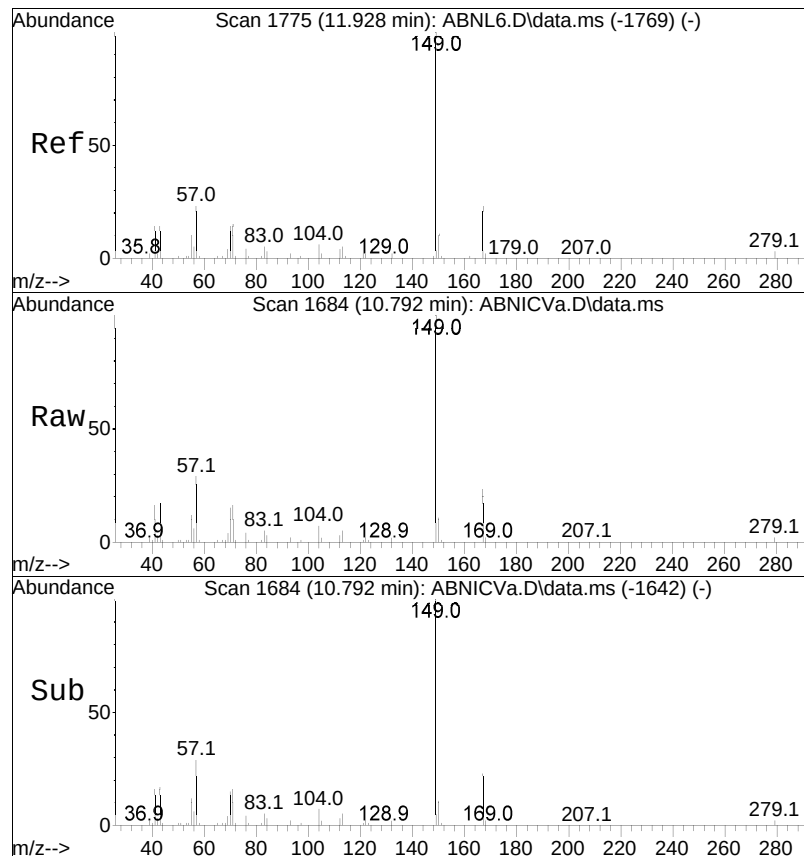
Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am



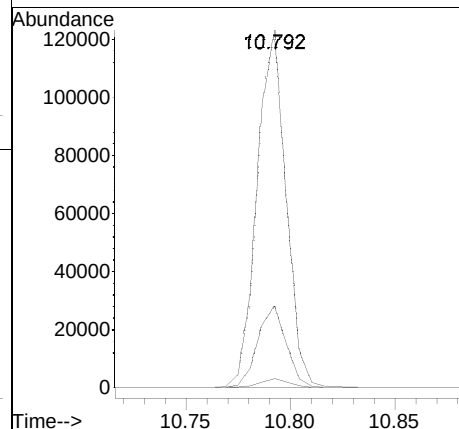
Tgt Ion:	228	Resp:	198758
Ion Ratio	Lower	Upper	
228	100		
226	32.5	24.7	37.1
229	19.9	15.5	23.3

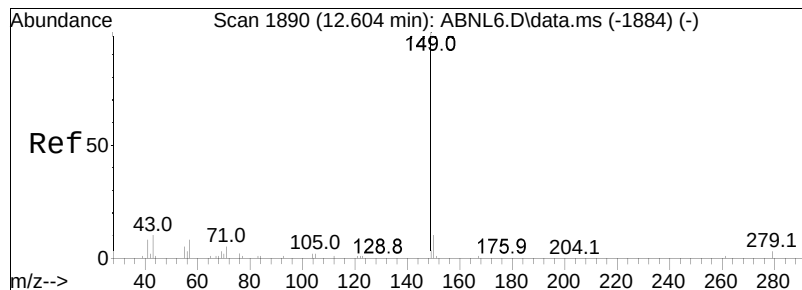




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 4.40 ug/ml
 RT: 10.792 min Scan# 1684
 Delta R.T. -0.001 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

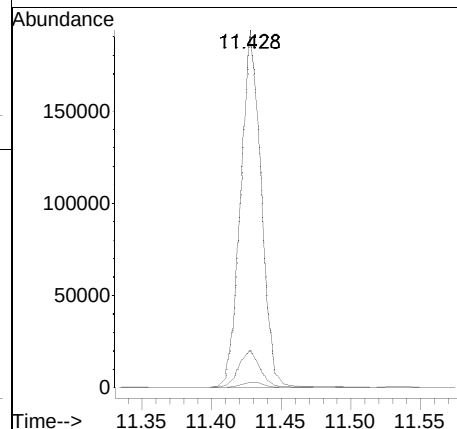
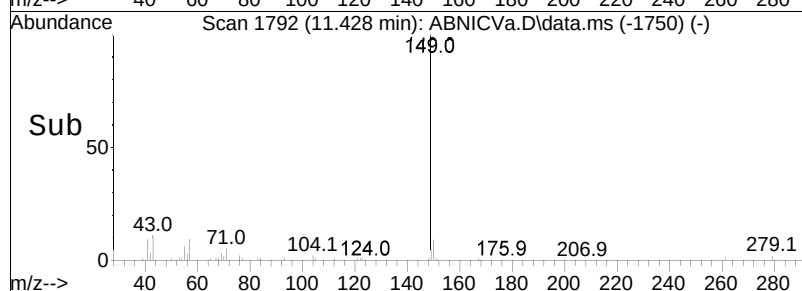
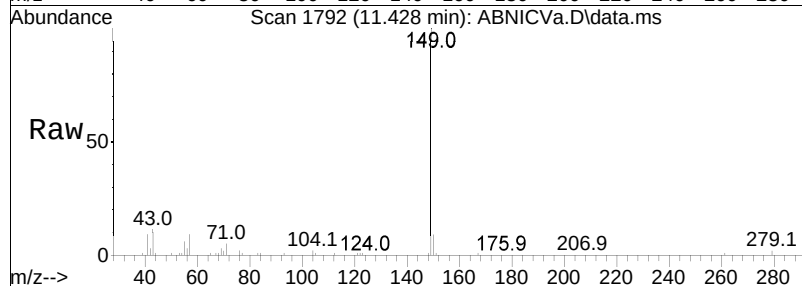
Tgt Ion:	149	Resp:	117028
Ion Ratio	Lower	Upper	
149	100		
167	22.7	18.4	27.6
279	2.3	1.7	2.5

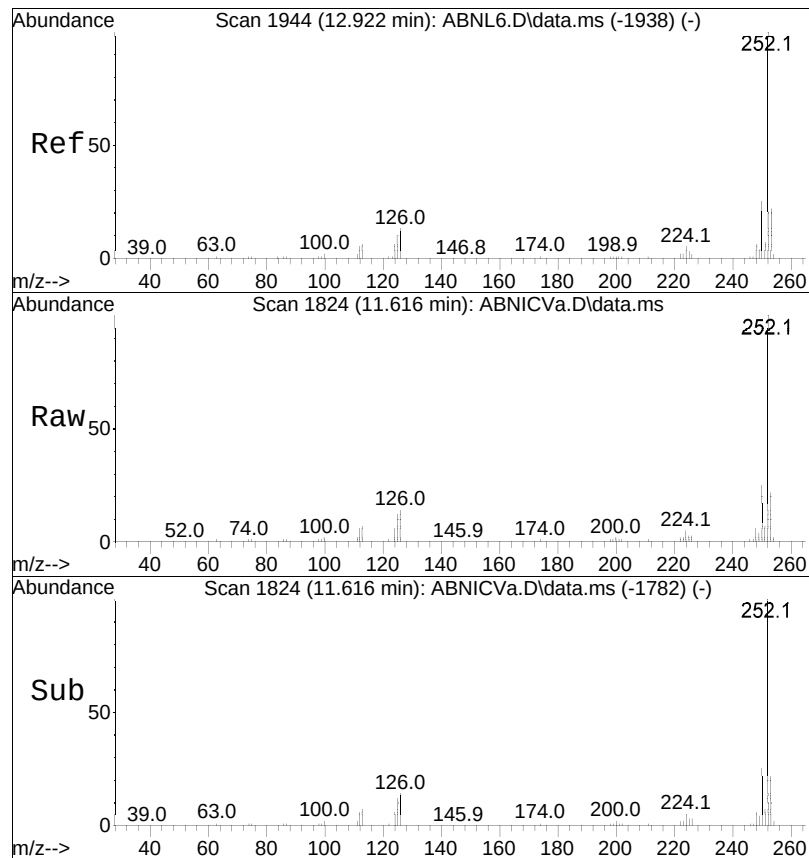




#109
 Di-n-octylphthalate
 Concen: 4.11 ug/ml
 RT: 11.428 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

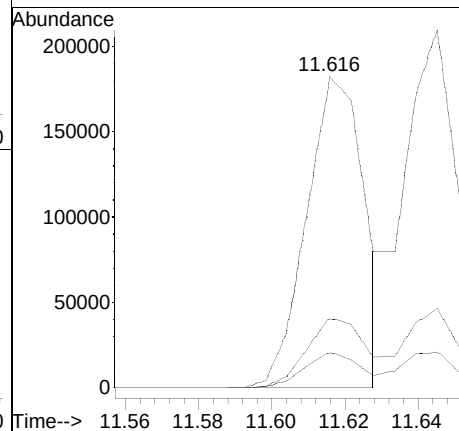
Tgt Ion:	149	Resp:	194880
Ion Ratio	Lower	Upper	
149	100		
43	10.8	8.2	12.2
167	1.4	1.1	1.7

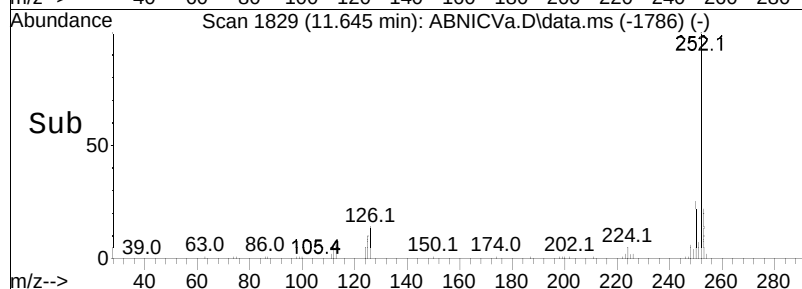
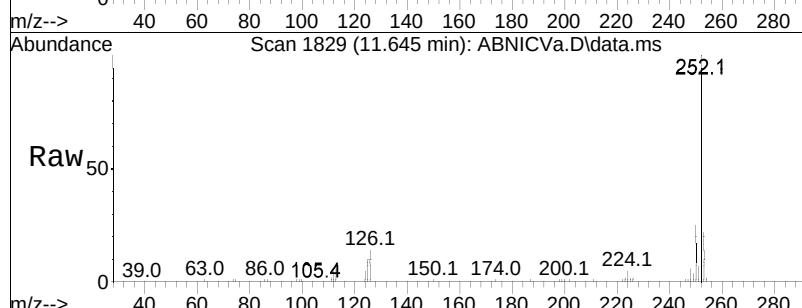
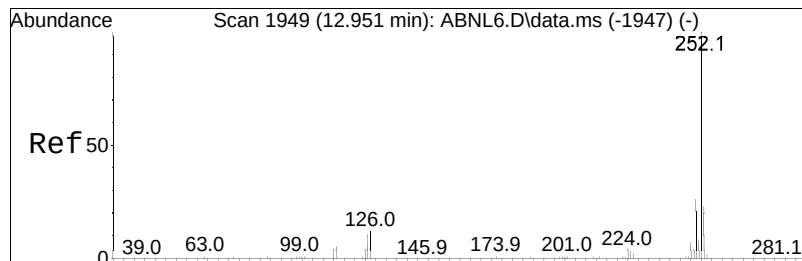




#110
 Benzo(b)fluoranthene
 Concen: 4.82 ug/ml
 RT: 11.616 min Scan# 1824
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

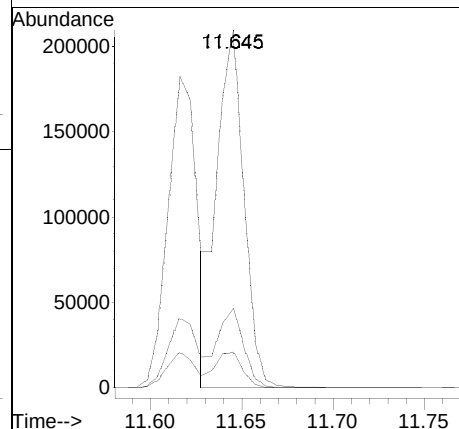
Tgt Ion	Ratio	Lower	Upper
252	100		
125	11.0	11.3	16.9#
253	22.3	17.8	26.8

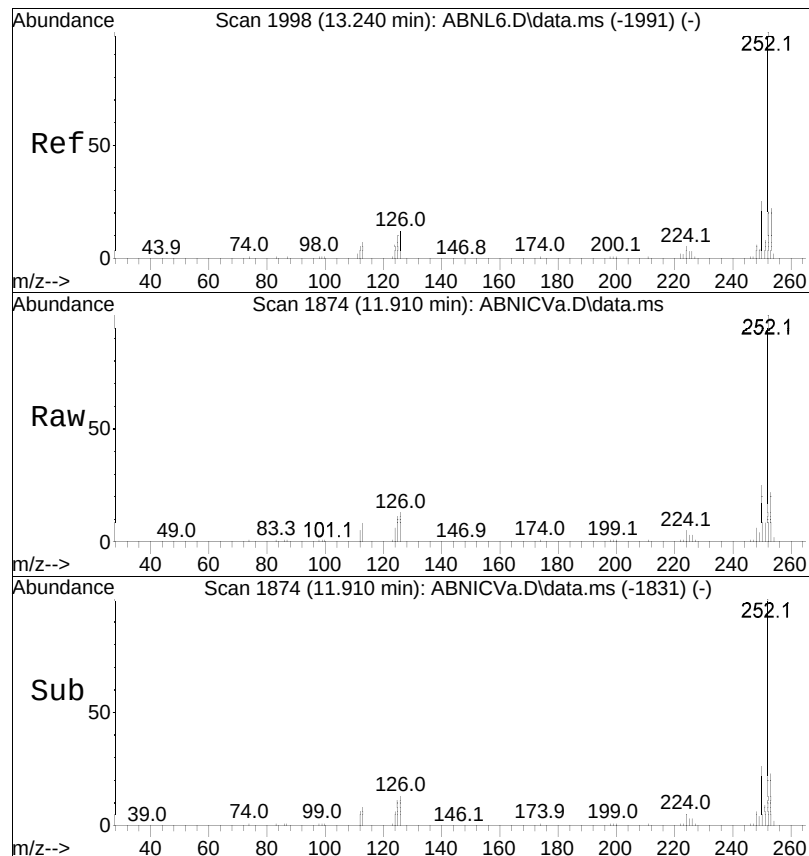




#111
 Benzo(k)fluoranthene
 Concen: 5.29 ug/ml M3
 RT: 11.645 min Scan# 1829
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

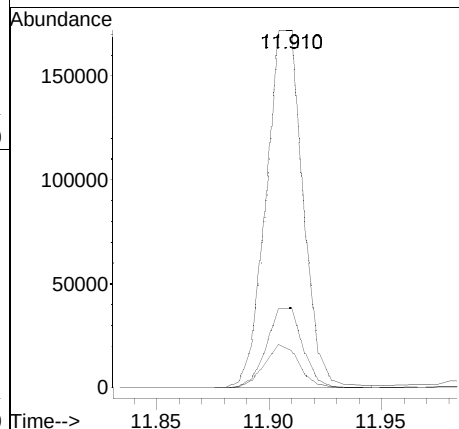
Tgt Ion	Ratio	Lower	Upper
252	100		
125	10.3	11.5	17.3#
253	20.9	17.6	26.4

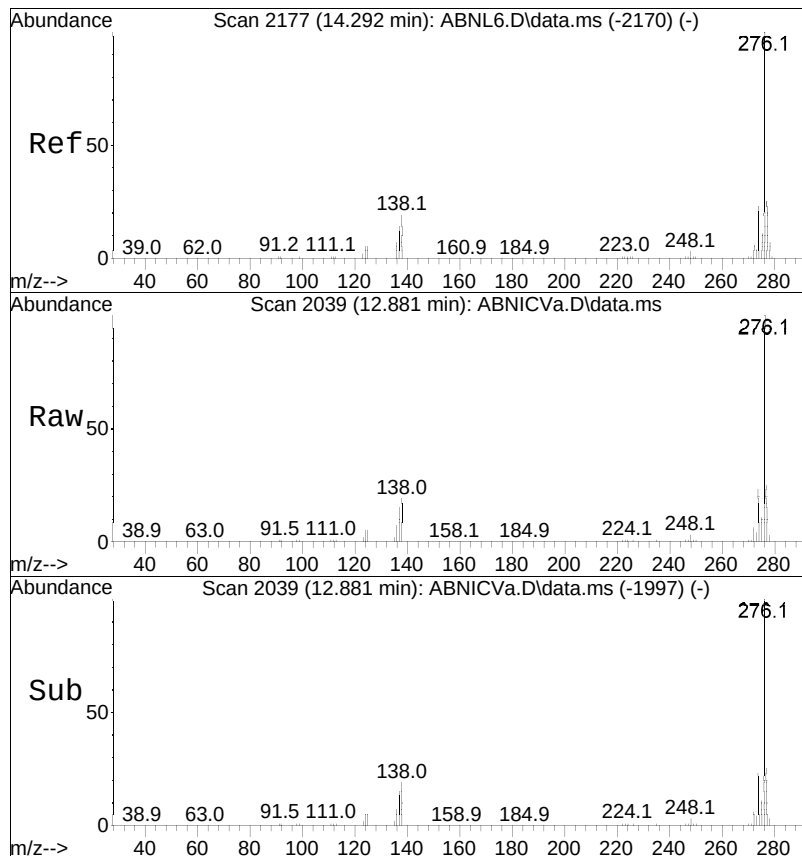




#112
 Benzo(a)pyrene
 Concen: 5.01 ug/ml
 RT: 11.910 min Scan# 1874
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

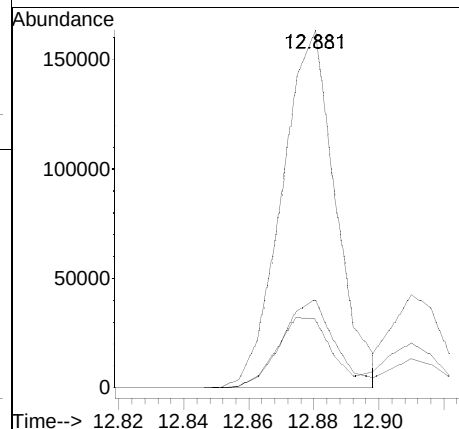
Tgt Ion:	252	Resp:	194293
Ion Ratio	Lower	Upper	
252	100		
125	11.6	12.6	18.8#
253	22.0	17.5	26.3

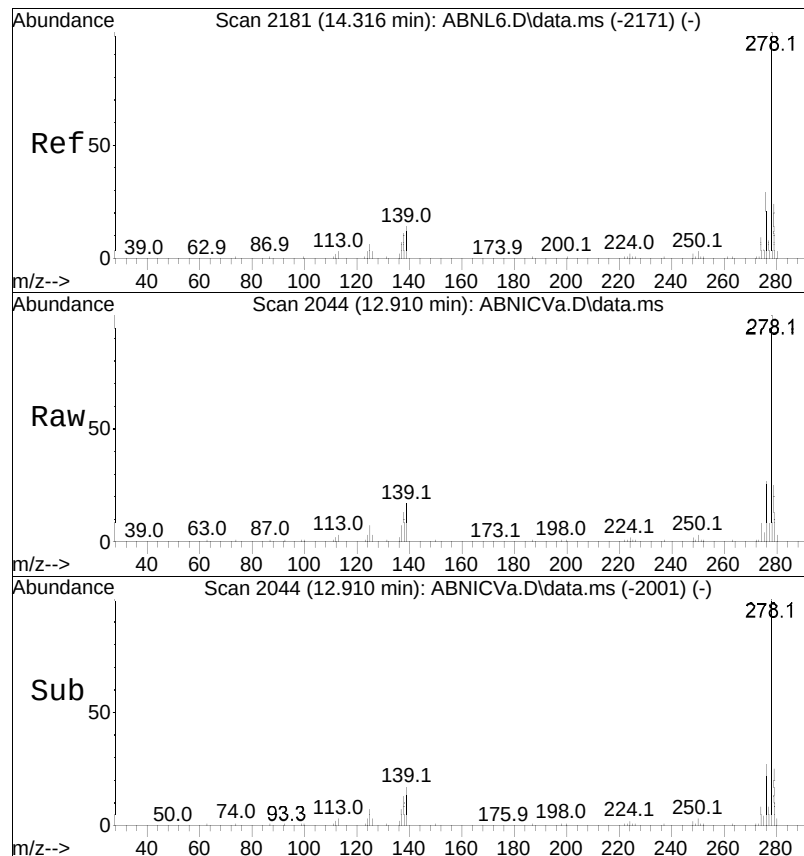




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 4.91 ug/mL M3
 RT: 12.881 min Scan# 2039
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

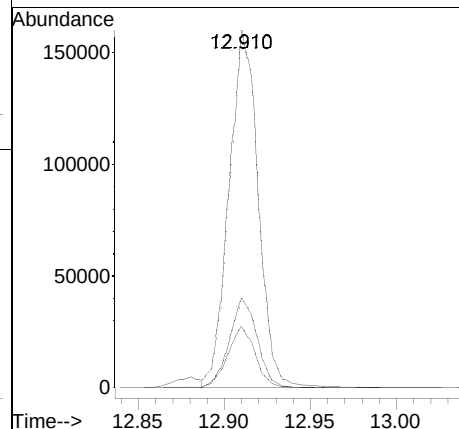
Tgt Ion:	276	Resp:	188653
Ion Ratio	Lower	Upper	
276	100		
138	23.3	22.1	33.1
277	23.8	19.0	28.6

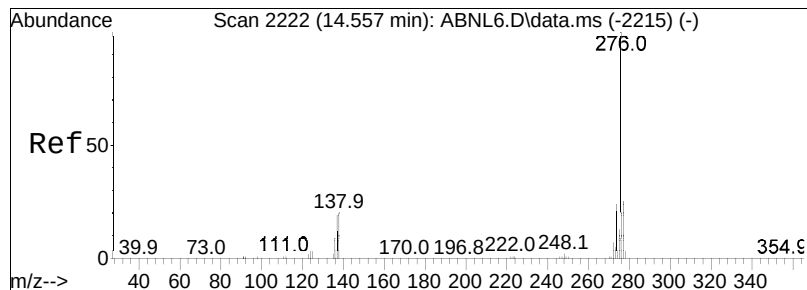




#115
 Dibenzo(a,h)anthracene
 Concen: 5.07 ug/ml M6
 RT: 12.910 min Scan# 2044
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

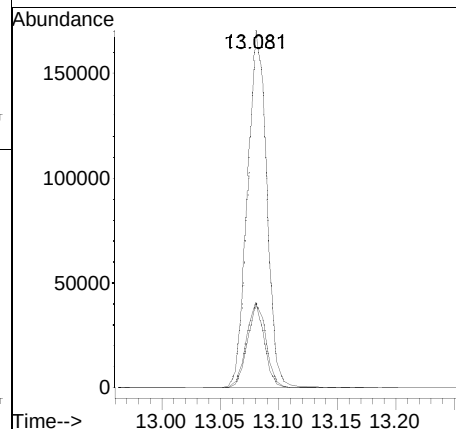
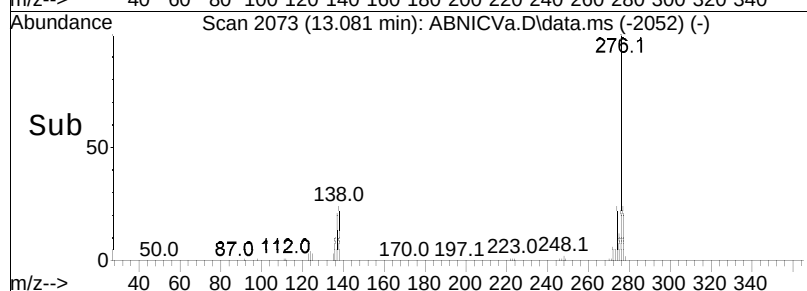
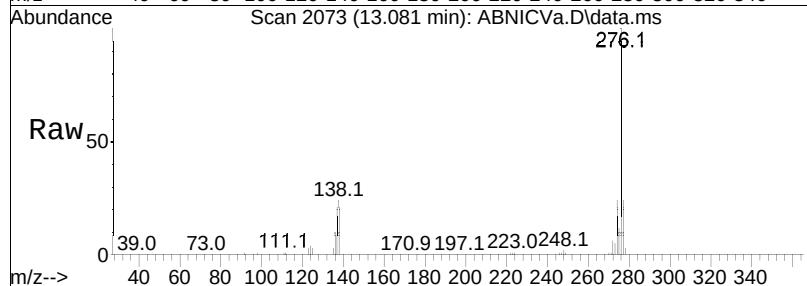
Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.5	17.8	26.8#
279	24.3	19.2	28.8





#116
 Benzo(ghi)perylene
 Concen: 5.04 ug/ml
 RT: 13.081 min Scan# 2073
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion:	276	Resp:	193704
Ion Ratio	Lower	Upper	
276	100		
138	22.8	21.9	32.9
277	23.3	18.4	27.6

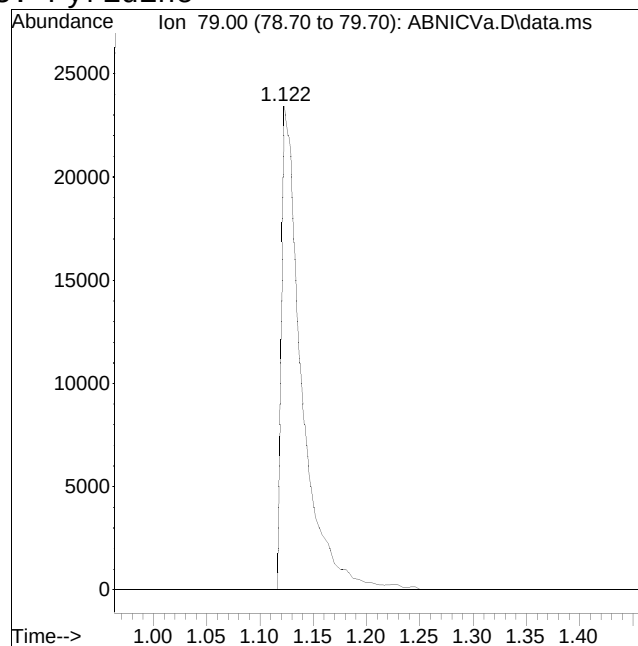
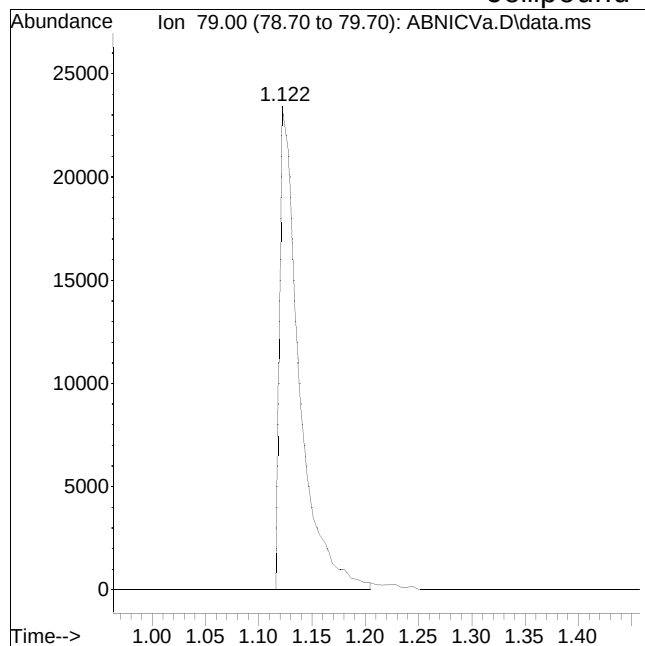


Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNICVa.D
Date Inj'd : 8/18/2025 6:27 am
Sample : CQICV,32,,ABNICV Lot# 1188

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 9:12 am

Compound #3: Pyridine



Original Peak Response = 30500

Manual Peak Response = 31008 M1

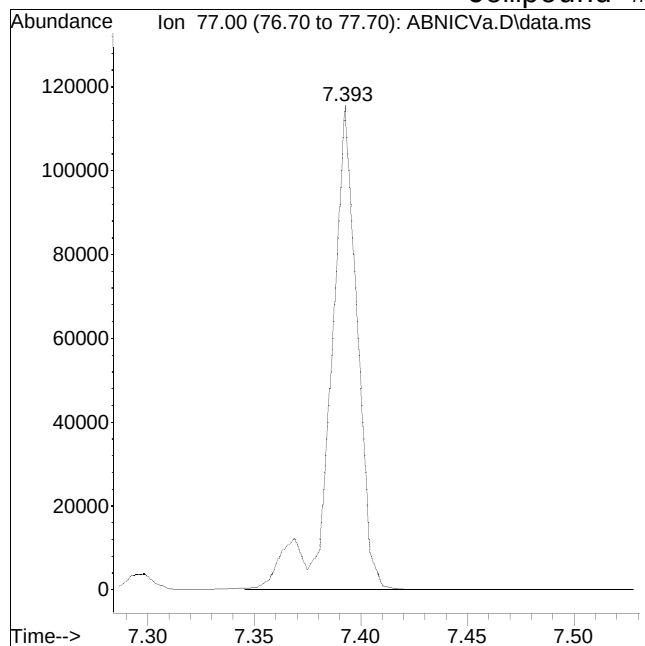
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNICVa.D
Date Inj'd : 8/18/2025 6:27 am
Sample : CQICV,32,,ABNICV Lot# 1188

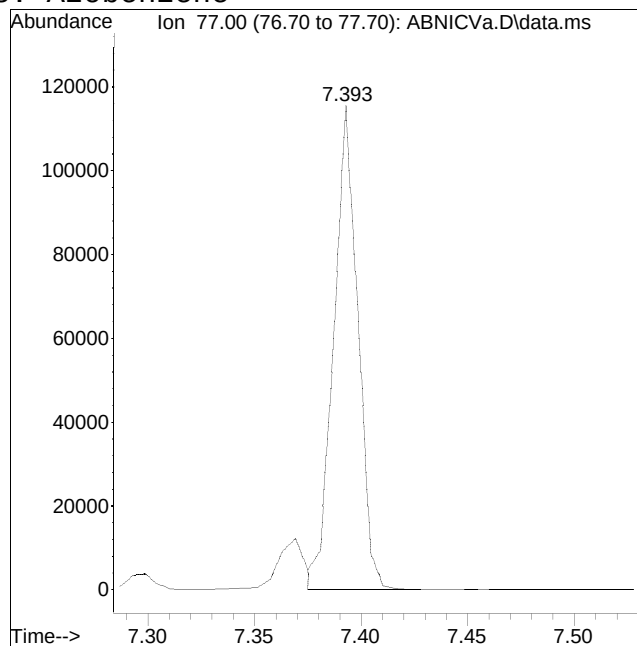
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 9:12 am

Compound #78: Azobenzene



Original Peak Response = 101382

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

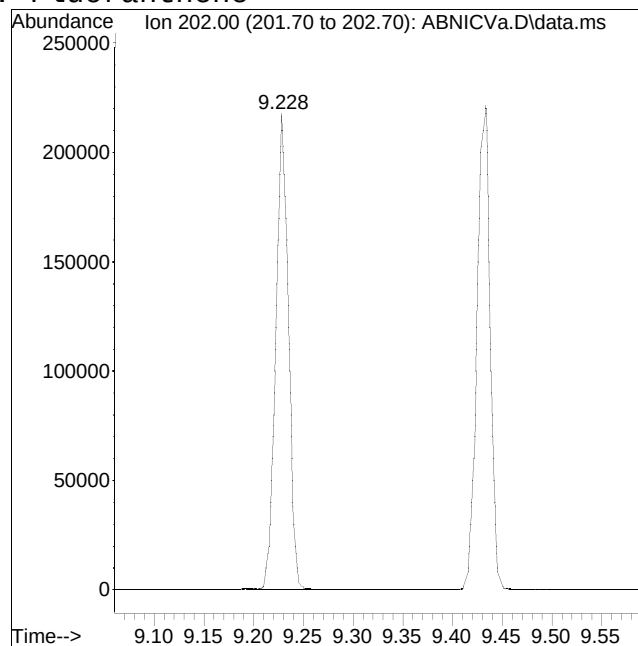
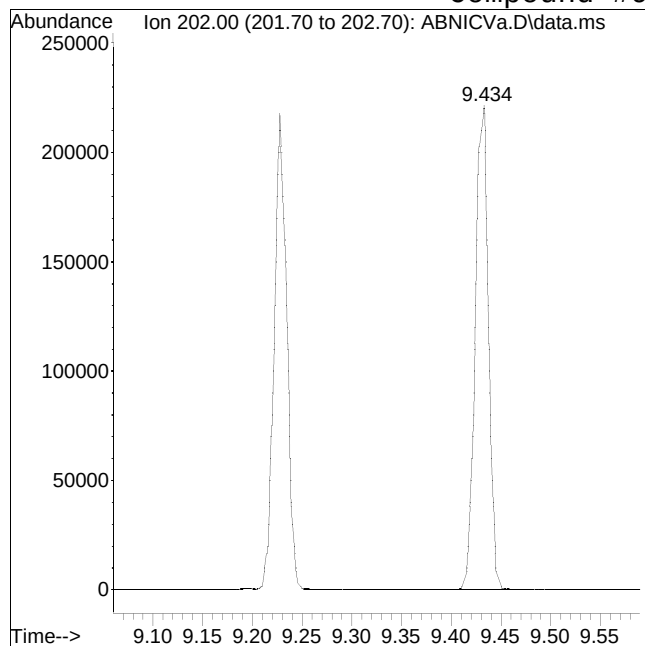


Manual Peak Response = 90814 M6

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data\Method : FS250817SV112RVT.m
Data File : ABNICVa.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:27 am Instrument : SV112
Sample : CQICV,32,,ABNICV Lot# 1188 Quant Date : 8/18/2025 9:12 am

Compound #93: Fluoranthene



Original Peak Response = 204632

Manual Peak Response = 191999 M3

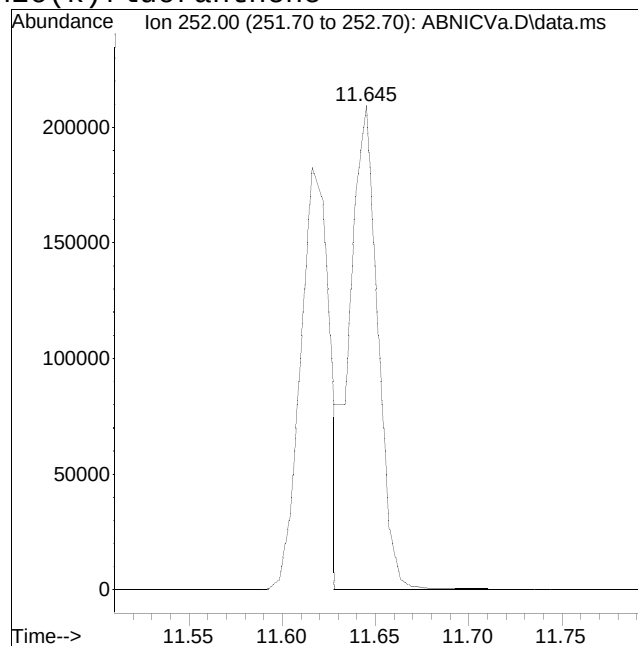
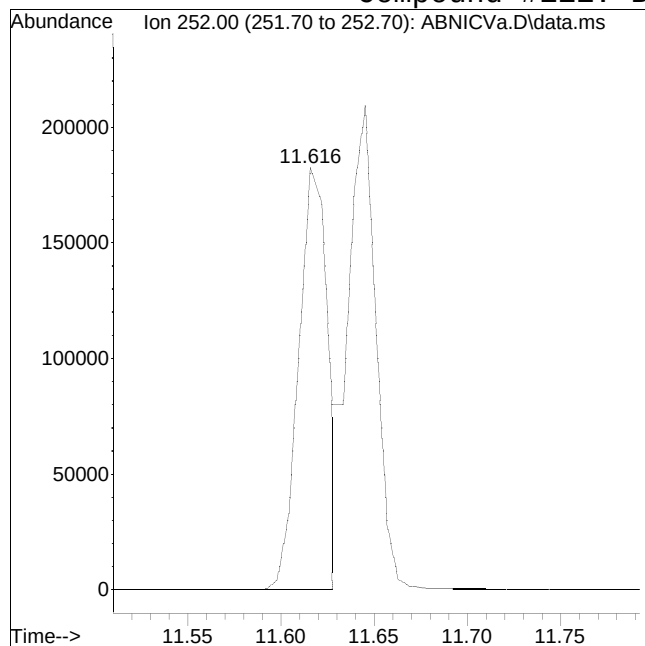
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNICVa.D
Date Inj'd : 8/18/2025 6:27 am
Sample : CQICV,32,,ABNICV Lot# 1188

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 9:12 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 201922

Manual Peak Response = 216045 M3

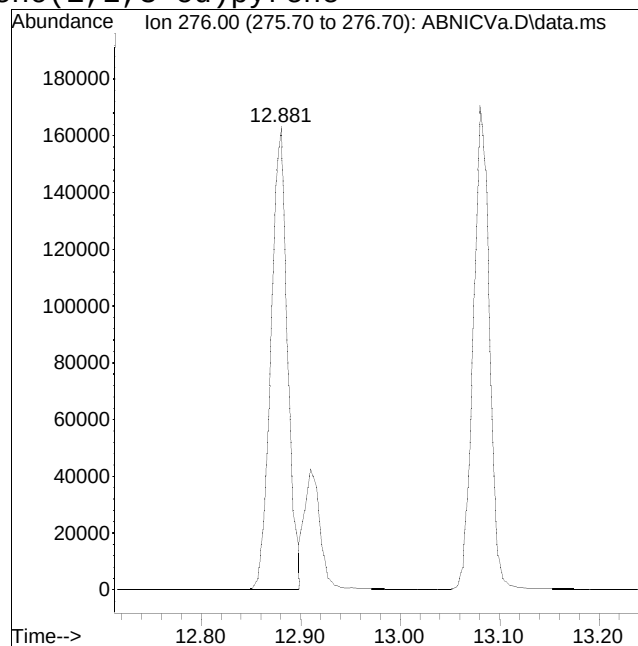
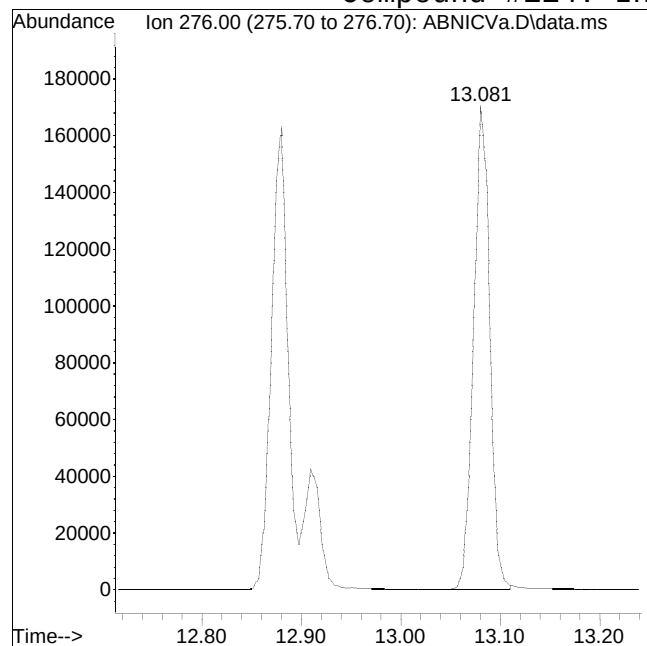
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNICVa.D
Date Inj'd : 8/18/2025 6:27 am
Sample : CQICV,32,,ABNICV Lot# 1188

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 9:12 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 192062

Manual Peak Response = 188653 M3

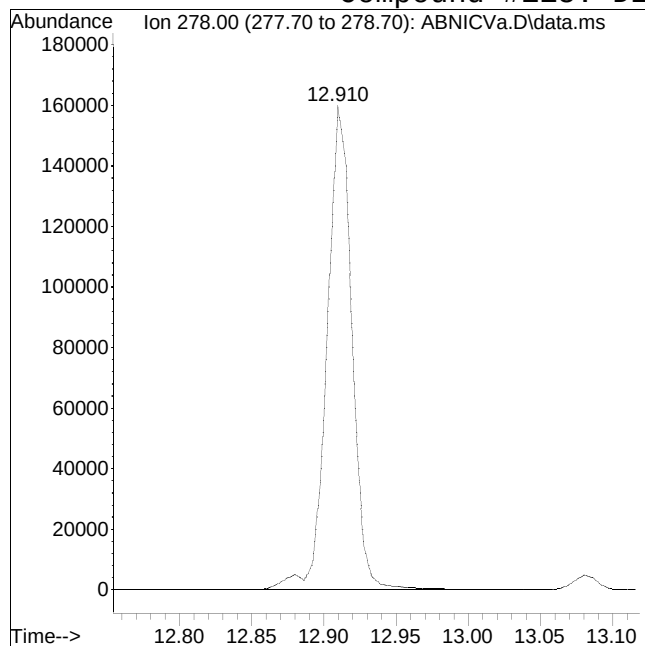
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNICVa.D
Date Inj'd : 8/18/2025 6:27 am
Sample : CQICV,32,,ABNICV Lot# 1188

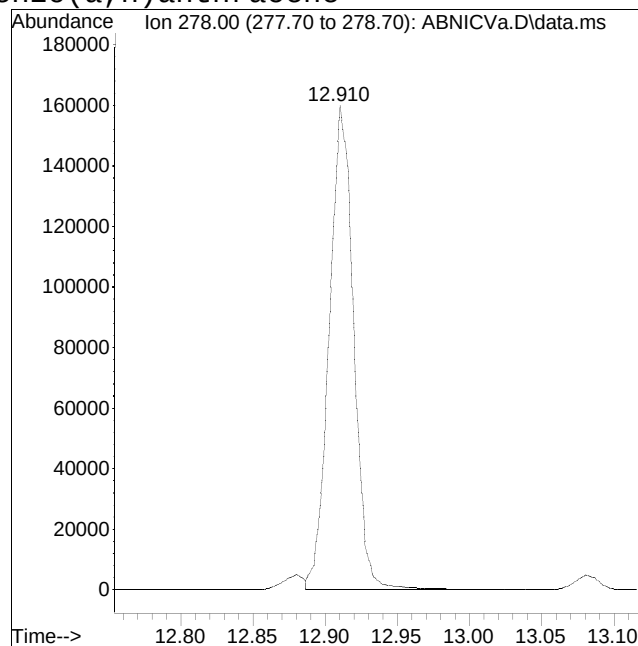
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 9:12 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 193267

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 187733 M6

Method Path : I:\8270\SV112\250817RVTical\
 Method File : FS250817SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Aug 18 06:54:37 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
5	T Aniline	L	ug/ml	5.0	4.974	-0.5	0.10	0.139	39.0
22	T 2-Nitrophenol	L	ug/ml	5.0	4.654	-6.9	0.50	0.625	25.0
37	T Benzoic Acid	L	ug/ml	5.0	4.846	-3.1	2.50	2.506	0.2
43	T Hexachlorocyclopentadiene	L	ug/ml	5.0	4.943	-1.1	1.00	1.091	9.1
44	T 2,4,6-Trichlorophenol	L	ug/ml	5.0	4.836	-3.3	0.20	0.287	43.5
45	T 2,4,5-Trichlorophenol	L	ug/ml	5.0	5.193	3.9	0.50	0.553	10.6
48	T 2-Nitroaniline	L	ug/ml	5.0	4.648	-7.0	0.50	0.616	23.2
53	T 2,6-Dinitrotoluene	L	ug/ml	5.0	4.872	-2.6	0.50	0.624	24.8
64	T 3-Nitroaniline	L	ug/ml	5.0	4.917	-1.7	0.50	0.574	14.8
66	T 2,4-Dinitrophenol	L	ug/ml	5.0	4.732	-5.4	1.00	1.141	14.1
68	T 2,4-Dinitrotoluene	L	ug/ml	5.0	4.907	-1.9	0.50	0.584	16.8
69	T 4-Nitrophenol	L	ug/ml	5.0	5.181	3.6	0.50	0.553	10.6
70	T 2,3,5,6-Tetrachlorophenol	L	ug/ml	5.0	4.942	-1.2	0.50	0.529	5.8
71	T 2,3,4,6-Tetrachlorophenol	L	ug/ml	5.0	5.099	2.0	0.50	0.451	-9.8
75	T 4-Nitroaniline	L	ug/ml	5.0	5.008	0.2	0.50	0.545	9.0
76	T 4,6-Dinitro-o-cresol	L	ug/ml	5.0	4.800	-4.0	1.00	1.062	6.2
82	T Pentachlorophenol	L	ug/ml	5.0	4.795	-4.1	1.00	1.084	8.4
94	T Benzidine	L	ug/ml	5.0	5.246	4.9	1.00	0.812	-18.8
97	T Butyl benzyl phthalate	L	ug/ml	5.0	4.942	-1.2	0.50	0.548	9.6
108	T Bis(2-ethylhexyl)phthalate	L	ug/ml	5.0	5.102	2.0	0.20	0.259	29.5
109	T Di-n-octylphthalate	Q	ug/ml	5.0	4.725	-5.5	0.50	0.622	24.4

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
5	T Aniline	Linear	0.997553	0.000000	2.29872	-0.0460769
22	T 2-Nitrophenol	Linear	0.997355	0.000000	0.823369	-0.0711344
37	T Benzoic Acid	Linear	0.999479	0.000000	0.328005	-0.119385
43	T Hexachlorocyclopentadiene	Linear	0.998337	0.000000	0.3731	-0.0456281
44	T 2,4,6-Trichlorophenol	Linear	0.997070	0.000000	0.326533	-0.0137697
45	T 2,4,5-Trichlorophenol	Linear	0.997835	0.000000	0.347771	-0.0203733
48	T 2-Nitroaniline	Linear	0.997826	0.000000	0.279285	-0.0232673
53	T 2,6-Dinitrotoluene	Linear	0.998623	0.000000	0.244491	-0.0201645
64	T 3-Nitroaniline	Linear	0.997679	0.000000	0.386326	-0.0276163
66	T 2,4-Dinitrophenol	Linear	0.998095	0.000000	0.223872	-0.0464734
68	T 2,4-Dinitrotoluene	Linear	0.997353	0.000000	0.488048	-0.0348655
69	T 4-Nitrophenol	Linear	0.995734	0.000000	0.328494	-0.0244119
70	T 2,3,5,6-Tetrachlorophenol	Linear	0.999530	0.000000	0.484057	-0.0301522
71	T 2,3,4,6-Tetrachlorophenol	Linear	0.999490	0.000000	0.471551	-0.0192829
75	T 4-Nitroaniline	Linear	0.997571	0.000000	0.378154	-0.0240181
76	T 4,6-Dinitro-o-cresol	Linear	0.999187	0.000000	0.30817	-0.0442983
82	T Pentachlorophenol	Linear	0.998539	0.000000	0.429297	-0.0717335
94	T Benzidine	Linear	0.991765	0.000000	0.894478	-0.0468762
97	T Butyl benzyl phthalate	Linear	0.996100	0.000000	0.614995	-0.035877
108	T Bis(2-ethylhexyl)phthalate	Linear	0.994245	0.000000	0.838607	-0.0262394
109	T Di-n-octylphthalate	Quadratic	0.996226	-0.031217	1.62804	-0.148322

Response Factor Report Dakota

Method Path : I:\8270\Dakota\250820RVTICAL\
 Method File : FS250821RVT_Dakota.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 21 09:25:31 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----										
2) t N-Nitrosodimethylamine	0.577	0.598	0.609	0.613	0.578	0.591	0.582	0.581	0.619	0.594	2.73
3) t Pyridine		0.611	0.673	0.676	0.654	0.712	0.741	0.843	0.921	*L	0.9927
4) S 2-Fluorophenol	0.741	0.777	0.906	0.965	0.866	0.902	0.896	0.909	0.966	0.881	8.69
5) T Aniline	0.942	1.377	1.518	1.640	1.560	1.530	1.542	1.569	1.675	1.484	14.81
6) t 2-Chlorophenol	0.985	1.034	1.103	1.092	1.054	1.078	1.073	1.087	1.171	1.075	4.72
7) S Phenol-d6	1.098	1.215	1.342	1.193	1.097	1.134	1.128	1.143	1.228	1.175	6.68
8) T Phenol	1.200	1.279	1.357	1.430	1.351	1.357	1.340	1.380	1.467	1.351	5.77
9) T bis(2-Chloroethyl)ether	0.919	1.013	1.043	1.021	0.973	0.934	0.907	0.918	0.981	0.968	5.21
10) T 1,3-Dichlorobenzene	1.561	1.545	1.596	1.605	1.502	1.464	1.431	1.421	1.515	1.515	4.44
11) T 1,4-Dichlorobenzene	1.356	1.667	1.656	1.635	1.498	1.503	1.464	1.445	1.562	1.532	6.93
12) T 1,2-Dichlorobenzene	1.399	1.538	1.508	1.588	1.417	1.449	1.392	1.411	1.506	1.467	4.76
13) t Benzyl alcohol	0.620	0.713	0.892	0.873	0.814	0.826	0.847	0.900	0.973	0.829	12.76
14) T bis(2-chloroisopropyl)ether	1.746	1.925	1.794	1.749	1.706	1.655	1.600	1.616	1.725	1.724	5.74
15) T 2-Methylphenol	0.756	0.780	0.983	0.900	0.941	0.935	0.944	0.960	1.040	0.915	10.07
16) T Hexachloroethane	0.421	0.607	0.585	0.592	0.531	0.518	0.518	0.525	0.558	0.539	10.34
17) T n-Nitrosodi-n-propylamine	0.856	0.694	0.813	0.790	0.768	0.783	0.777	0.826	0.867	0.797	6.53
18) T 3-Methylphenol/4-Methylphenol	1.006	1.049	1.029	1.007	0.961	0.999	1.024	1.055	1.122	1.028	4.39
19) S Nitrobenzene-d5	1.248	0.917	1.027	1.175	1.059	1.119	1.117	1.162	1.227	1.117	9.31
20) T Nitrobenzene	1.048	0.993	1.159	1.112	1.106	1.159	1.124	1.195	1.261	1.128	6.95
21) T Isophorone	1.667	1.950	2.067	2.087	1.997	2.102	2.099	2.223	2.343	2.059	9.10
22) T 2-Nitrophenol			0.450	0.515	0.473	0.508	0.537	0.590	0.634	0.530	12.14
23) T 2,4-Dimethylphenol	0.828	0.933	1.052	1.115	1.050	1.093	1.097	1.158	1.219	1.061	11.09
24) T bis(2-Chloroethoxy)methane	1.341	1.351	1.449	1.441	1.298	1.349	1.306	1.362	1.424	1.369	4.10
25) T 2,4-Dichlorophenol		1.045	1.134	1.240	1.130	1.158	1.190	1.253	1.361	1.189	8.05
26) T 1,2,4-Trichlorobenzene	1.454	1.370	1.544	1.546	1.437	1.486	1.475	1.496	1.643	1.494	5.18
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----										
28) T Benzaldehyde		0.672	0.588	0.496	0.489	0.488	0.495	0.510	0.534	13.12	
29) T Acetophenone	1.576	1.918	1.940	1.655	1.532	1.523	1.565	1.597	1.661	1.663	9.51
30) T m-Toluidine		0.953	0.792	0.880	0.958	1.004	1.029	1.080	0.957	10.06	
31) T 2-Chloroaniline	1.272	1.488	1.695	1.374	1.376	1.405	1.450	1.458	1.505	1.447	8.06
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) T 1,4-Dioxane			0.437	0.421	0.402	0.408	0.405	0.396	0.411	3.66	
34) t n-Nitrosodieth...									0.000	-1.00	
35) T n-Decane	1.620	1.286	1.394	1.260	1.144	1.198	1.201	1.165	1.164	1.270	12.01
36) t n-Nitrosopyrro...									0.000	-1.00	
37) I IS1_Naphthalene-d8	-----ISTD-----										
38) T Naphthalene	1.023	0.995	1.038	1.024	0.972	0.964	0.964	0.955	1.005	0.993	3.11
39) T Benzoic Acid		0.052	0.076	0.112	0.127	0.162	0.208	0.235	*Q	0.9977	
40) T 4-Chloroaniline	0.154	0.114	0.140	0.125	0.116	0.118	0.122	0.122	0.129	0.127	10.24
41) T Hexachlorobutadiene	0.292	0.260	0.266	0.274	0.264	0.260	0.262	0.262	0.288	0.270	4.49
42) T p-Chloro-m-cresol	0.235	0.285	0.243	0.252	0.263	0.259	0.266	0.274	0.291	0.263	7.05
43) T 2-Methylnaphthalene	0.598	0.634	0.700	0.671	0.647	0.644	0.655	0.654	0.697	0.656	4.82
44) T 1-Methylnaphthalene	0.275	0.242	0.262	0.246	0.230	0.230	0.234	0.234	0.249	0.245	6.32
45) T Hexachlorocyclopentadiene	0.222	0.278	0.304	0.300	0.305	0.314	0.318	0.336	0.373	0.306	13.42

Response Factor Report Dakota

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 L8 =ADPL8.D L9 =ADPL9.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46) T	2,4,6-Trichlorophenol	0.231	0.236	0.279	0.279	0.280	0.279	0.293	0.309	0.337	0.280	11.63
47) T	2,4,5-Trichlorophenol	0.274	0.264	0.289	0.296	0.304	0.318	0.332	0.338	0.372	0.310	10.99
48) S	2-Fluorobiphenyl	0.966	0.983	1.004	1.001	0.982	0.965	0.956	0.976	1.052	0.987	2.93
49) T	2-Chloronaphthalene	0.772	0.781	0.829	0.822	0.808	0.798	0.797	0.810	0.876	0.810	3.77
50) T	2-Nitroaniline			0.179	0.173	0.186	0.200	0.214	0.231	0.246	0.204	13.37
51) T	1,4-Dinitrobenzene	0.093	0.088	0.097	0.093	0.098	0.102	0.108	0.121	0.128	0.103	13.24
52) T	1,3-Dinitrobenzene		0.086	0.098	0.109	0.113	0.120	0.126	0.138	0.149	0.117	17.64
53) T	Dimethyl phthalate	0.964	0.928	1.008	1.049	1.020	1.019	0.989	1.046	1.107	1.014	5.11
54) T	Acenaphthylene	1.065	1.169	1.235	1.288	1.290	1.294	1.279	1.342	1.432	1.266	8.19
55) T	2,6-Dinitrotoluene			0.174	0.191	0.194	0.197	0.196	0.214	0.228	0.199	8.64
56) T	1,2-Dinitrobenzene		0.056	0.067	0.066	0.072	0.076	0.078	0.086	0.089	0.074	15.07
57) I	IS2_Naphthalene-d8	-----ISTD-----										
58) T	a-Terpineol	0.191	0.256	0.322	0.246	0.223	0.230	0.236	0.245	0.257	0.245	14.38
59) T	3-Chloroaniline				0.137	0.114	0.116	0.120	0.119	0.124	0.122	6.99
60) T	2,6-Dichlorophenol	0.273	0.361	0.373	0.321	0.308	0.316	0.326	0.332	0.356	0.330	9.32
61) T	1-chloro-2-nitrobenzene	0.130	0.169	0.149	0.116	0.117	0.129	0.133	0.131	0.139	0.135	12.21
62) T	Caprolactam			0.135	0.124	0.102	0.120	0.131	0.136	0.149	0.128	11.40
63) T	1,2,4,5-Tetrachlorobenzene	0.566	0.485	0.556	0.490	0.458	0.460	0.472	0.468	0.502	0.495	8.07
64) T	Biphenyl	0.996	1.084	1.212	1.022	0.960	0.953	0.993	0.958	1.005	1.020	8.10
65) I	IS1_Acenaphthene-d10	-----ISTD-----										
66) T	3-Nitroaniline			0.256	0.259	0.255	0.268	0.284	0.294	0.301	0.274	6.99
67) T	Acenaphthene	1.116	1.079	1.113	1.055	0.992	0.966	0.974	0.979	1.038	1.035	5.76
68) T	2,4-Dinitrophenol				0.124	0.135	0.148	0.169	0.184	0.190	0.158	16.84
69) T	Dibenzofuran	1.893	1.923	1.955	1.862	1.743	1.701	1.721	1.712	1.822	1.815	5.41
70) T	2,4-Dinitrotoluene	0.315	0.316	0.353	0.343	0.364	0.374	0.394	0.417	0.447	0.369	12.03
71) T	4-Nitrophenol		0.189	0.181	0.191	0.198	0.202	0.210	0.223	0.234	0.204	8.91
72) T	2,3,5,6-Tetrachlorophenol	0.221	0.352	0.403	0.367	0.359	0.370	0.391	0.416	0.449	0.370	17.27
73) T	2,3,4,6-Tetrachlorophenol	0.372	0.352	0.385	0.403	0.368	0.375	0.392	0.404	0.432	0.387	6.17
74) T	Diethyl phthalate	1.369	1.351	1.418	1.458	1.388	1.369	1.369	1.380	1.447	1.394	2.70
75) T	Fluorene	1.344	1.432	1.518	1.485	1.364	1.331	1.350	1.373	1.471	1.408	4.97
76) T	4-Chlorophenyl-phenylether	0.750	0.784	0.818	0.785	0.735	0.731	0.726	0.736	0.779	0.760	4.23
77) T	4-Nitroaniline		0.221	0.257	0.264	0.270	0.267	0.278	0.299	0.308	0.270	9.83
78) T	4,6-Dinitro-o-cresol				0.193	0.212	0.227	0.238	0.266	0.282	0.236	14.16
79) T	NDPA/DPA	1.229	1.213	1.300	1.235	1.219	1.174	1.178	1.190	1.279	1.224	3.52
80) T	Azobenzene	1.069	1.117	1.187	1.224	1.170	1.146	1.140	1.142	1.196	1.155	4.00
81) S	2,4,6-Tribromophenol	0.204	0.262	0.229	0.216	0.213	0.213	0.227	0.236	0.264	0.229	9.28
82) T	4-Bromophenyl-phenylether	0.563	0.503	0.534	0.499	0.434	0.443	0.455	0.459	0.501	0.488	8.90
83) T	Hexachlorobenzene	0.596	0.581	0.602	0.571	0.525	0.528	0.530	0.545	0.593	0.564	5.60
84) T	Pentachlorophenol			0.283	0.288	0.278	0.293	0.315	0.326	0.360	0.306	9.58
85) I	IS2_Acenaphthene-d10	-----ISTD-----										
86) T	Dichloran	0.165	0.233	0.207	0.185	0.159	0.175	0.213	0.216	0.241	0.199	14.72
87) T	Pentachloronitrobenzene	0.161	0.189	0.228	0.176	0.174	0.183	0.210	0.215	0.240	0.197	13.69
88) I	IS3_Acenaphthene-d10	-----ISTD-----										
89) T	Atrazine	0.563	0.500	0.537	0.439	0.416	0.463	0.461	0.471	0.526	0.486	9.97
90) I	IS1_Phenanthrene-d10	-----ISTD-----										

Response Factor Report Dakota

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Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91) T	Phenanthrene	1.135	1.204	1.178	1.110	1.053	1.025	1.034	1.041	1.094	1.097	5.93
92) T	Anthracene	0.994	1.001	1.123	1.072	1.042	1.025	1.053	1.073	1.142	1.058	4.79
93) T	Carbazole	0.987	0.991	1.011	0.970	0.952	0.948	0.955	0.982	1.034	0.981	2.91
94) T	Di-n-butylphthalate	0.983	0.897	1.001	0.971	1.020	1.063	1.102	1.135	1.188	1.040	8.70
95) T	Fluoranthene	1.267	1.264	1.372	1.318	1.292	1.283	1.309	1.358	1.404	1.319	3.73
96) T	Benzidine				0.606	0.636	0.737	0.761	0.829	0.896	0.744	14.88
97) T	Pyrene	1.352	1.382	1.502	1.401	1.376	1.383	1.382	1.432	1.485	1.411	3.68
98) S	4-Terphenyl-d14	0.975	0.953	1.068	1.046	1.018	1.023	1.018	1.074	1.142	1.035	5.41
99) T	Butyl benzyl phthalate			0.392	0.371	0.410	0.445	0.483	0.542	0.581	0.461	17.07
100) I	IS2_Phenanthrene-d10	-----ISTD-----										
101) T	Diphenamid	0.421	0.527	0.567	0.459	0.453	0.446	0.488	0.494	0.517	0.486	9.47
102) I	IS3_Phenanthrene-d10	-----ISTD-----										
103) T	n-Octadecane	0.511	0.401	0.378	0.339	0.323	0.347	0.349	0.311	0.350	0.368	16.31
104) T	Parathion	0.063	0.100	0.097	0.078	0.069	0.085	0.090	0.099	0.117		*Q 0.9993
105) T	3,3'-Dimethylbenzidine		0.186	0.490	0.559	0.645	0.783	0.841	0.987	1.011		*Q 0.9979
106) I	IS1_Chrysene-d12	-----ISTD-----										
107) T	Benzo[a]anthracene	1.220	1.174	1.244	1.261	1.192	1.183	1.219	1.202	1.241	1.215	2.47
108) T	3,3'-Dichlorobenzidine	0.313	0.398	0.445	0.433	0.440	0.454	0.473	0.487	0.501	0.438	12.76
109) T	Chrysene	1.344	1.339	1.382	1.285	1.146	1.158	1.162	1.115	1.177	1.234	8.31
110) T	bis(2-Ethylhexyl)phthalate	0.443	0.456	0.524	0.508	0.591	0.646	0.667	0.672	0.705	0.579	17.14
111) T	Di-n-octylphthalate			0.848	0.844	0.938	1.066	1.110	1.151	1.214	1.024	14.48
112) T	Benzo(b)fluoranthene	1.074	1.273	1.392	1.184	1.220	1.198	1.245	1.177	1.280	1.227	7.12
113) T	Benzo(k)fluoranthene	1.074	1.214	1.328	1.269	1.228	1.231	1.193	1.231	1.272	1.227	5.68
114) T	Benzo(a)pyrene	0.971	1.055	1.159	1.127	1.105	1.139	1.143	1.150	1.225	1.119	6.41
115) I	IS1_Perylene-d12	-----ISTD-----										
116) T	Indeno(1,2,3-cd)pyrene	0.960	1.055	1.128	1.079	1.044	1.104	1.189	1.204	1.339	1.122	9.83
117) T	Dibenzo[a,h]anthracene	0.988	1.028	1.170	1.139	1.120	1.114	1.174	1.177	1.277	1.132	7.55
118) T	Benzo(g,h,i)perylene	0.982	1.180	1.180	1.137	1.125	1.105	1.177	1.168	1.251	1.145	6.46

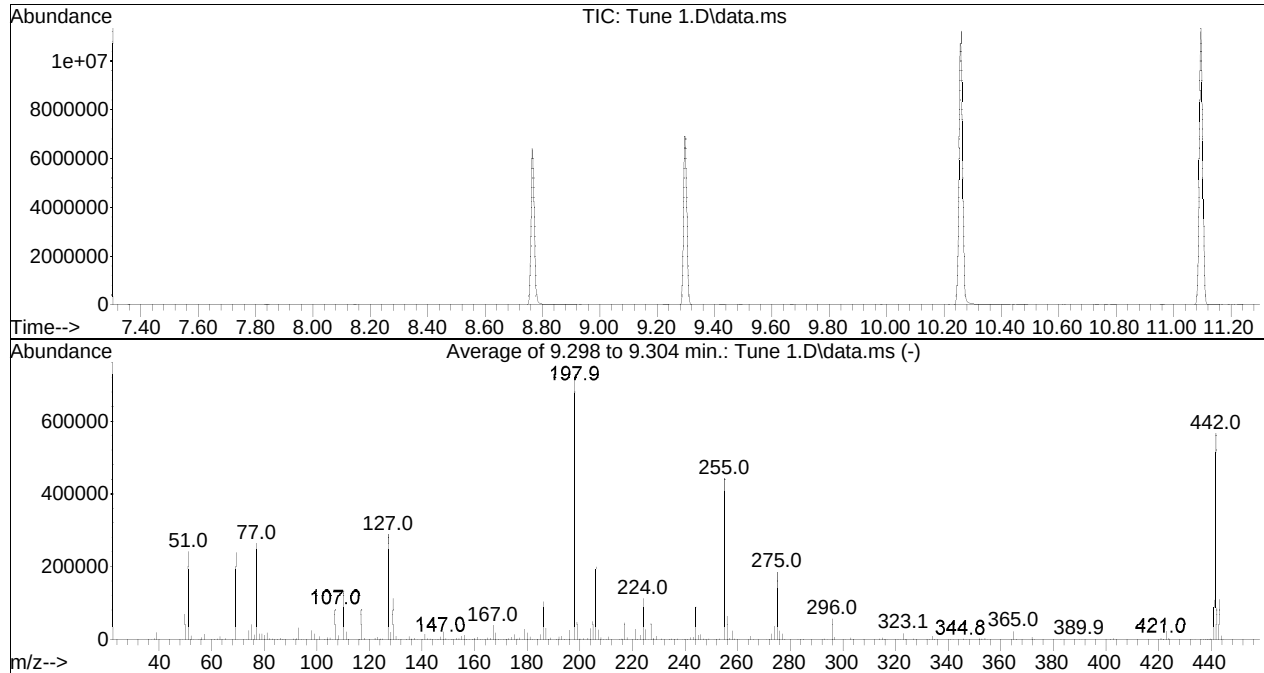
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DFTPP

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : Tune 1.D
 Acq On : 20 Aug 2025 12:25 pm
 Operator : Dakota:smz
 Sample : Tune 1 Lot # 11857
 Misc : WG2105679,,
 ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 21 09:25:31 2025



Spectrum Information: Average of 9.298 to 9.304 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.1	239808	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	237227	PASS
70	69	0.00	2	0.5	1302	PASS
127	198	10	80	39.6	286784	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	725099	PASS
199	198	5	9	6.6	48160	PASS
275	198	10	60	25.5	184789	PASS
365	198	1	100	3.1	22389	PASS
441	442	0.01	24	18.8	106365	PASS
442	198	50	100	78.1	566229	PASS
443	442	15	24	19.1	107888	PASS

Data Path : I:\8270\Dakota\250820RVTICAL\

Data File : Tune 1.D

Acq On : 20 Aug 2025 12:25 pm

Operator : Dakota:smz

Sample : Tune 1 Lot # 11857

Misc : WG2105679,,

ALS Vial : 100 Sample Multiplier: 1

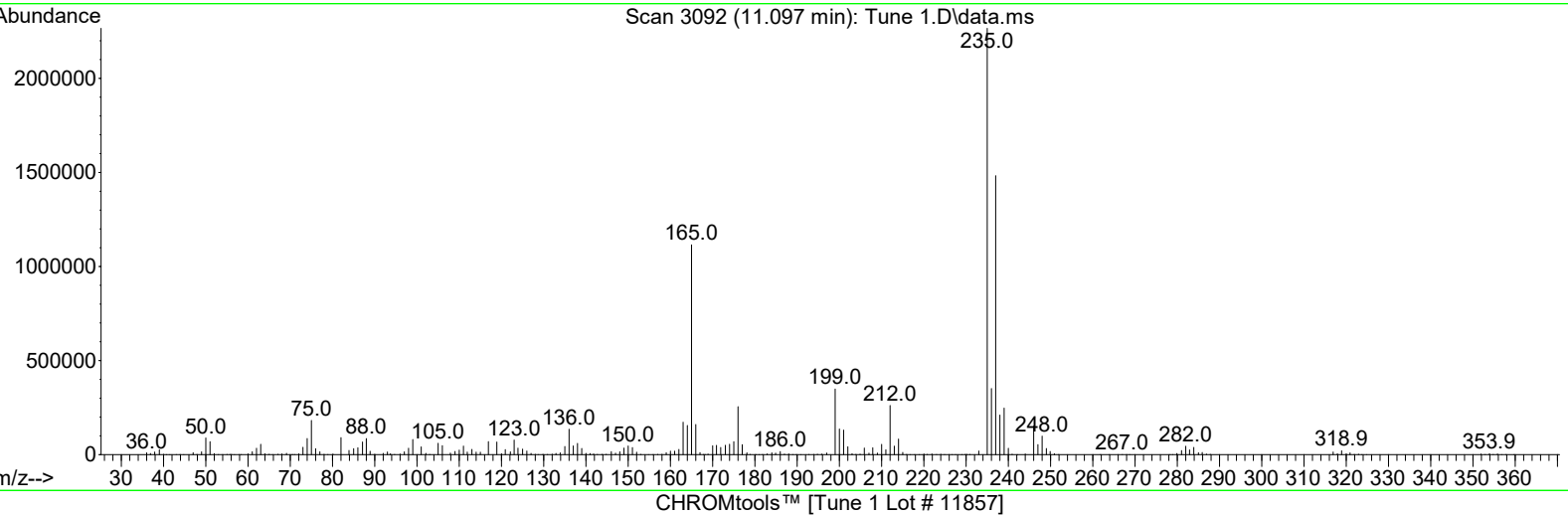
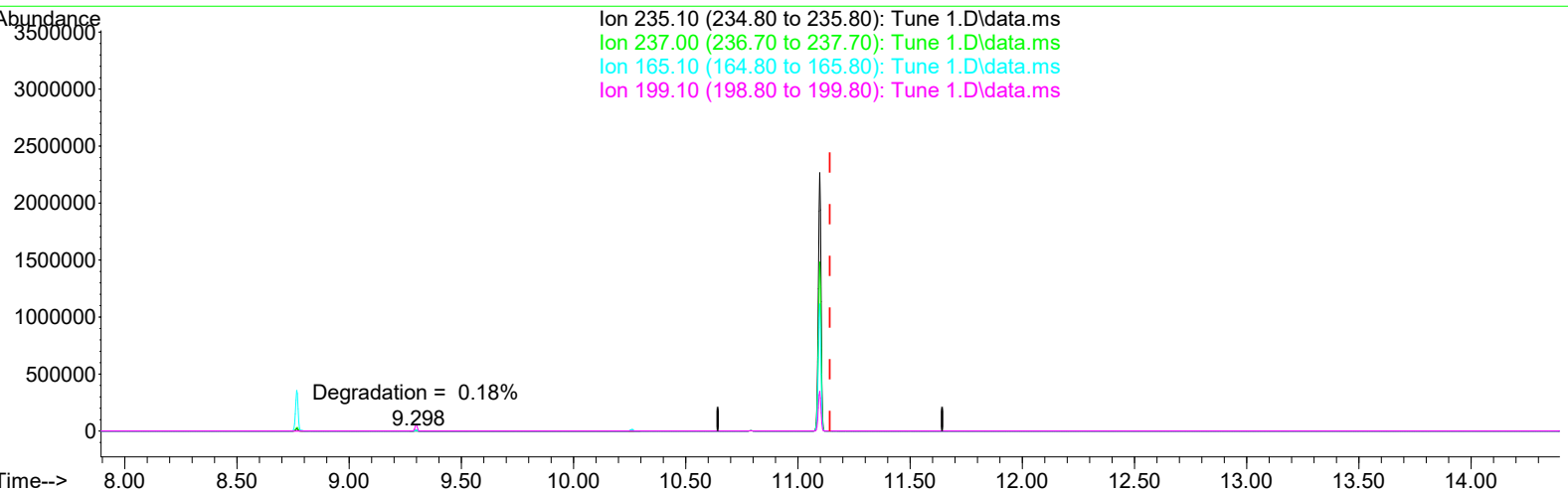
Quant Time: Aug 20 12:42:48 2025

Quant Method : I:\8270\Dakota\250820RVTICAL\DftppDakota.m

Quant Title : Semivolatiles by GC/MS by modified 8270

QLast Update : Fri Aug 15 10:21:48 2025

Response via : Initial Calibration



CHROMtools™ [Tune 1 Lot # 11857]

(6) DDT (T)

11.097min (-0.047) 307.41

response 1873877

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.98
165.10	48.70	49.12
199.10	15.80	15.50

Data Path : I:\8270\Dakota\250820RVTICAL\

Data File : Tune 1.D

Acq On : 20 Aug 2025 12:25 pm

Operator : Dakota:smz

Sample : Tune 1 Lot # 11857

Misc : WG2105679,,

ALS Vial : 100 Sample Multiplier: 1

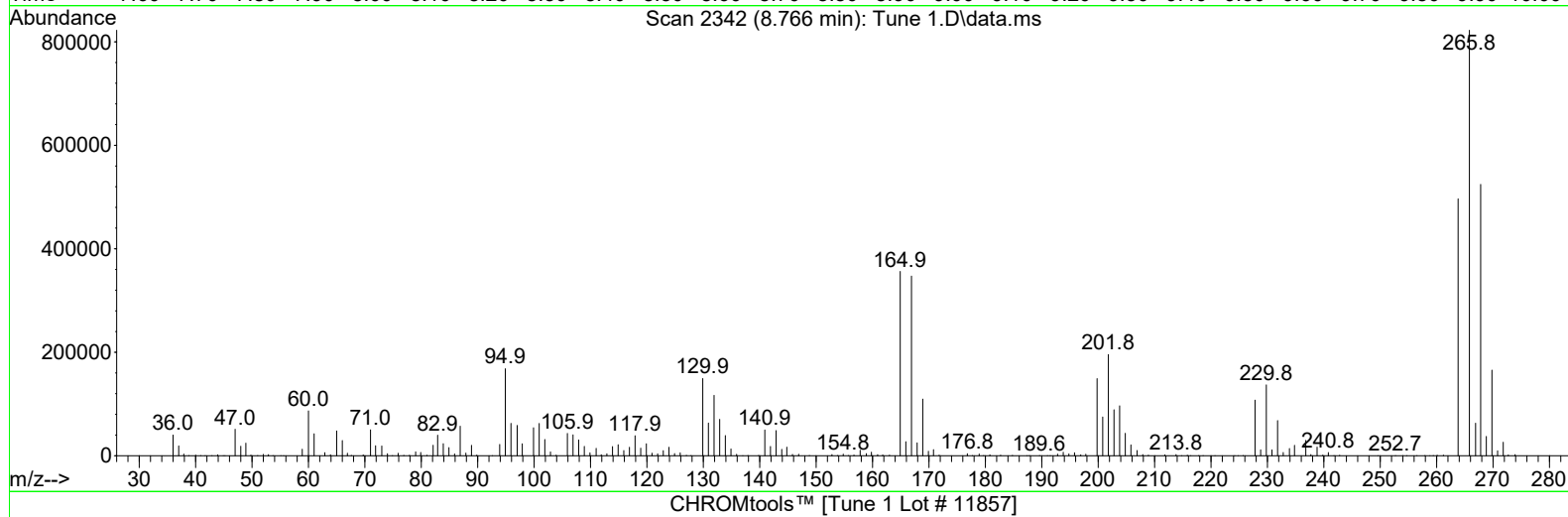
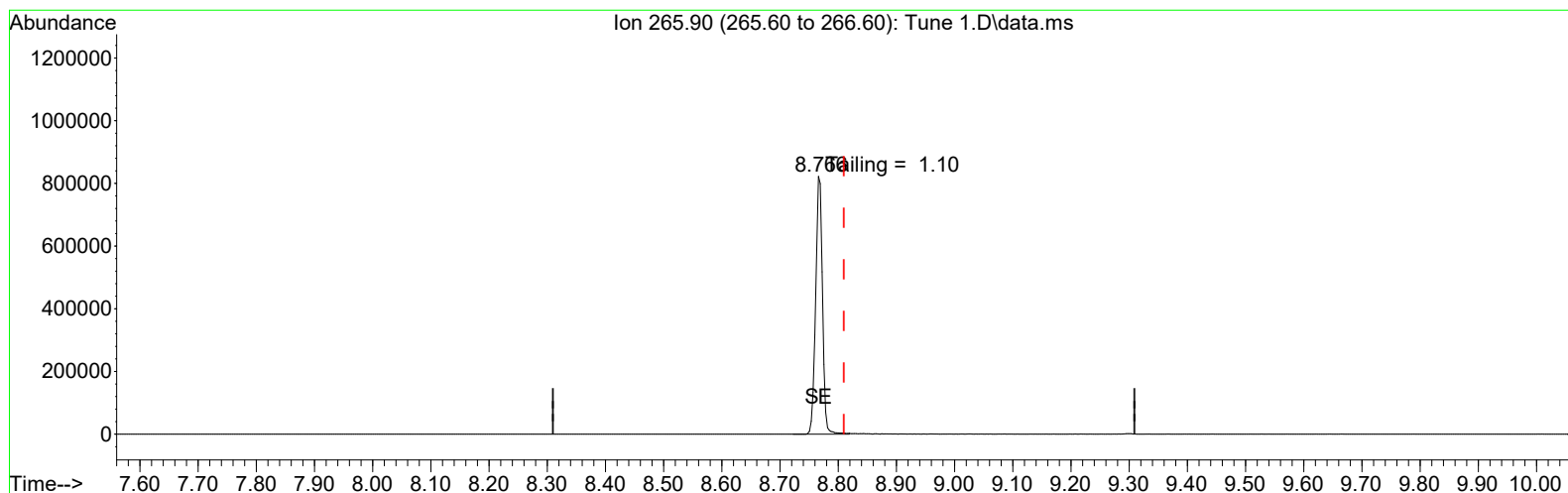
Quant Time: Aug 20 12:42:48 2025

Quant Method : I:\8270\Dakota\250820RVTICAL\DftppDakota.m

Quant Title : Semivolatiles by GC/MS by modified 8270

QLast Update : Fri Aug 15 10:21:48 2025

Response via : Initial Calibration



(1) Pentachlorophenol (T)

8.766min (-0.044) 319.52

response 671106

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL9.D
 Acq On : 20 Aug 2025 12:47 pm
 Operator : Dakota:smz
 Sample : IL2,32,,ABNL50 Lot# 11827
 Misc : WG2105679,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 21 06:14:07 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.576	152	64058	4.000	ug/ml	0.00
Standard Area 1 = 57258			Recovery =	111.88%		
37) IS1_Naphthalene-d8	5.813	136	237432	4.000	ug/ml	0.00
Standard Area 1 = 205727			Recovery =	115.41%		
65) IS1_Acenaphthene-d10	7.510	164	179396	4.000	ug/ml	0.00
Standard Area 1 = 152249			Recovery =	117.83%		
90) IS1_Phenanthrene-d10	8.934	188	398352	4.000	ug/ml	0.00
Standard Area 1 = 336420			Recovery =	118.41%		
106) IS1_Chrysene-d12	11.544	240	504678	4.000	ug/ml	0.01
Standard Area 1 = 394707			Recovery =	127.86%		
115) IS1_Perylene-d12	12.984	264	522792	4.000	ug/ml	0.00
Standard Area 1 = 434493			Recovery =	120.32%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.296	112	773497	51.578	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	2578.90%#		
7) Phenol-d6	4.265	99	983031	49.718	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	2485.90%#		
19) Nitrobenzene-d5	5.120	82	982771	47.946	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	4794.60%#		
48) 2-Fluorobiphenyl	6.879	172	3122437	52.993	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	5299.30%#		
81) 2,4,6-Tribromophenol	8.272	330	591753	53.646	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	2682.30%#		
98) 4-Terphenyl-d14	10.506	244	5684386	54.471	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	5447.10%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.894	74	495556	50.126	ug/ml#	88
3) Pyridine	1.925	79	737281	63.402	ug/ml#	56
5) Aniline	4.259	93	1341388	50.967	ug/ml	94
6) 2-Chlorophenol	4.371	128	937412	50.945	ug/ml#	88
8) Phenol	4.278	94	1174812	48.772	ug/ml#	85
9) Bis(2-chloroethyl)ether	4.343	93	785581	48.846	ug/ml	98
10) 1,3-Dichlorobenzene	4.520	146	1213027	50.982	ug/ml	94
11) 1,4-Dichlorobenzene	4.592	146	1250643	50.749	ug/ml	94
12) 1,2-Dichlorobenzene	4.738	146	1205621	50.504	ug/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL9.D
 Acq On : 20 Aug 2025 12:47 pm
 Operator : Dakota:smz
 Sample : IL2,32,,ABNL50 Lot# 11827
 Misc : WG2105679,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 21 06:14:07 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	4.735	79	779249	49.091	ug/ml	98
14)	Bis(2-chloroisopropyl)...	4.878	45	1381579	52.796	ug/ml#	59
15)	2-Methylphenol	4.865	108	832375	49.624	ug/ml	100
16)	Hexachloroethane	5.067	117	446802	49.401	ug/ml#	40
17)	n-Nitrosodi-n-propylamine	5.005	70	694022	49.172	ug/ml#	89
18)	3-Methylphenol/4-Methy...	5.024	108	898355	50.012	ug/ml	100
20)	Nitrobenzene	5.139	77	1009594	49.381	ug/ml	97
21)	Isophorone	5.384	82	1875928	48.915	ug/ml	95
22)	2-Nitrophenol	5.453	139	507666	54.473	ug/ml#	86
23)	2,4-Dimethylphenol	5.533	107	976208	48.637	ug/ml	99
24)	Bis(2-chloroethoxy)met...	5.620	93	1140301	48.057	ug/ml#	96
25)	2,4-Dichlorophenol	5.692	162	1089437	48.523	ug/ml#	91
26)	1,2,4-Trichlorobenzene	5.766	180	1315585	52.170	ug/ml#	96
38)	Naphthalene	5.832	128	2982360	50.616	ug/ml	99
39)	Benzoic Acid	5.689	105	698761	59.989	ug/ml	94
40)	4-Chloroaniline	5.903	65	381862	53.532	ug/ml	81
41)	Hexachlorobutadiene	5.981	225	853908	62.418	ug/ml	98
42)	p-Chloro-m-cresol	6.401	107	862358	49.388	ug/ml#	86
43)	2-Methylnaphthalene	6.509	142	2068160	51.570	ug/ml	97
44)	1-Methylnaphthalene	6.599	115	738470	47.138	ug/ml	97
45)	Hexachlorocyclopentadiene	6.677	237	1107142	75.499	ug/ml	99
46)	2,4,6-Trichlorophenol	6.795	196	999262	56.781	ug/ml	99
47)	2,4,5-Trichlorophenol	6.823	196	1102777	52.025	ug/ml	99
49)	2-Chloronaphthalene	6.972	162	2600722	51.044	ug/ml#	90
50)	2-Nitroaniline	7.087	138	728913	53.628	ug/ml#	81
51)	1,4-Dinitrobenzene	7.221	168	380153M3	60.256	ug/ml	
52)	1,3-Dinitrobenzene	7.299	168	443198	57.201	ug/ml#	1
53)	Dimethyl phthalate	7.299	163	3284688	50.643	ug/ml#	97
54)	Acenaphthylene	7.370	152	4251159	52.312	ug/ml	98
55)	2,6-Dinitrotoluene	7.336	165	676910	59.114	ug/ml#	72
56)	1,2-Dinitrobenzene	7.383	168	265511	58.469	ug/ml#	1
66)	3-Nitroaniline	7.492	138	675951	52.172	ug/ml#	86
67)	Acenaphthene	7.541	154	2328472	49.141	ug/ml	89
68)	2,4-Dinitrophenol	7.588	184	425161	56.192	ug/ml#	75
69)	Dibenzofuran	7.712	168	4085620	49.407	ug/ml	88
70)	2,4-Dinitrotoluene	7.721	165	1002902	59.470	ug/ml#	83
71)	4-Nitrophenol	7.681	65	524912	51.412	ug/ml#	77
72)	2,3,5,6-Tetrachlorophenol	7.799	232	1006511	57.382	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL9.D
 Acq On : 20 Aug 2025 12:47 pm
 Operator : Dakota:smz
 Sample : IL2,32,,ABNL50 Lot# 11827
 Misc : WG2105679,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 21 06:14:07 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73)	2,3,4,6-Tetrachlorophenol	7.840	232	968314	54.115	ug/ml	97
74)	Diethyl phthalate	7.983	149	3244204	48.895	ug/ml	99
75)	Fluorene	8.039	166	3299432	49.832	ug/ml	93
76)	4-Chlorophenyl phenyl ...	8.060	204	1746464	52.362	ug/ml#	82
77)	4-Nitroaniline	8.085	138	689833M3	49.607	ug/ml	
78)	4,6-Dinitro-o-cresol	8.113	198	632926	72.072	ug/ml#	51
79)	NDPA/DPA	8.181	169	2868561	49.855	ug/ml	92
80)	Azobenzene	8.213	77	2682015	50.067	ug/ml	95
82)	4-Bromophenyl phenyl e...	8.527	248	1124077M3	52.776	ug/ml	
83)	Hexachlorobenzene	8.576	284	1329941	53.283	ug/ml#	81
84)	Pentachlorophenol	8.766	266	806994	57.543	ug/ml	99
91)	Phenanthrene	8.959	178	5448557	48.827	ug/ml	98
92)	Anthracene	9.008	178	5687288	52.465	ug/ml	97
93)	Carbazole	9.176	167	5146689	49.340	ug/ml	97
94)	Di-n-butylphthalate	9.565	149	5913607	52.988	ug/ml	97
95)	Fluoranthene	10.102	202	6992904	51.181	ug/ml#	89
96)	Benzidine	10.258	184	4462065	60.230	ug/ml#	93
97)	Pyrene	10.317	202	7395913	50.955	ug/ml	98
99)	Butyl benzyl phthalate	11.025	149	2893620	58.011	ug/ml#	81
107)	Benzo(a)anthracene	11.535	228	7831290	48.776	ug/ml	97
108)	3,3'-Dichlorobenzidine	11.538	252	3161492	54.973	ug/ml#	95
109)	Chrysene	11.576	228	7426183	47.928	ug/ml	97
110)	Bis(2-ethylhexyl)phtha...	11.656	149	4448817	54.254	ug/ml#	93
111)	Di-n-octylphthalate	12.331	149	7658630	56.162	ug/ml#	73
112)	Benzo(b)fluoranthene	12.629	252	8075465	53.281	ug/ml#	91
113)	Benzo(k)fluoranthene	12.660	252	8025846M3	52.684	ug/ml	
114)	Benzo(a)pyrene	12.940	252	7728510	54.955	ug/ml#	90
116)	Indeno(1,2,3-cd)pyrene	13.950	276	8748895	60.481	ug/mL#	85
117)	Dibenzo(a,h)anthracene	13.975	278	8343935	57.395	ug/ml#	86
118)	Benzo(ghi)perylene	14.193	276	8173063	55.821	ug/ml#	82

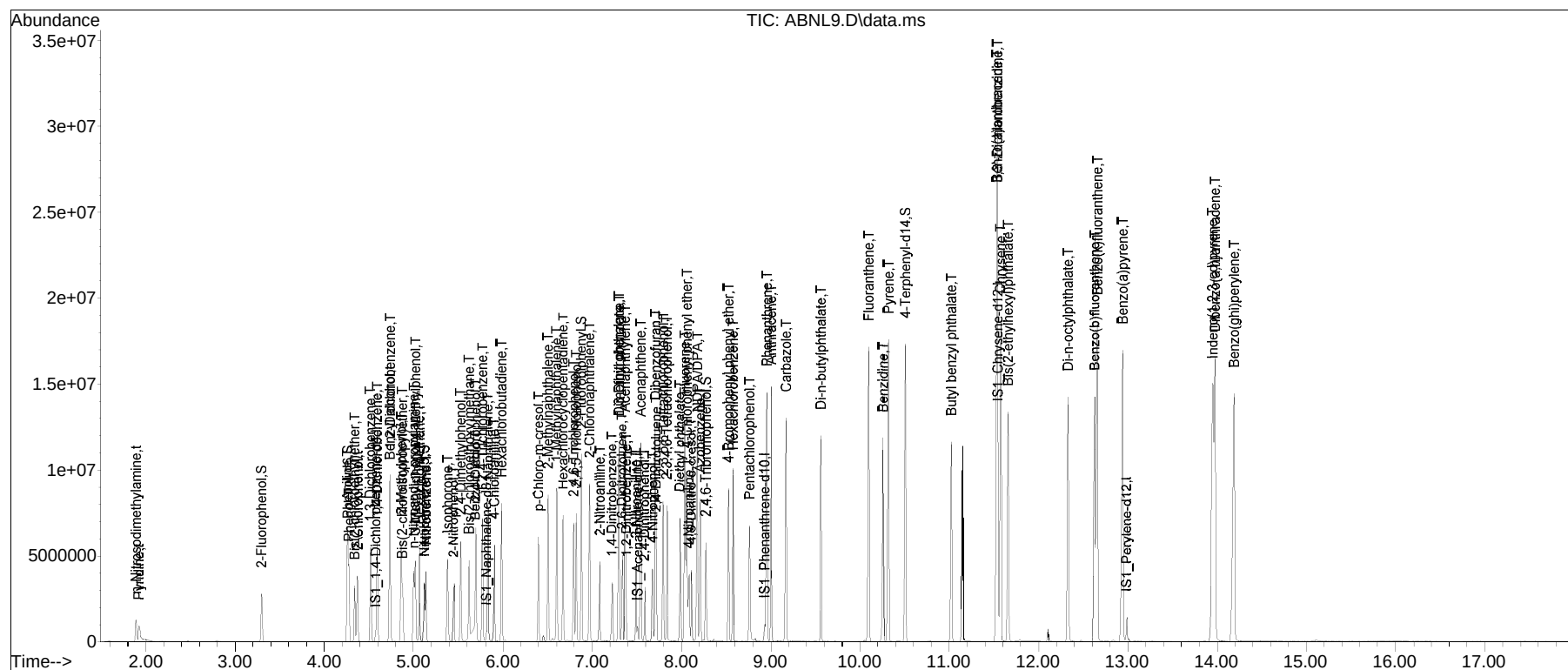
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL9.D
 Acq On : 20 Aug 2025 12:47 pm
 Operator : Dakota:smz
 Sample : IL2,32,,ABNL50 Lot# 11827
 Misc : WG2105679,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 21 06:14:07 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

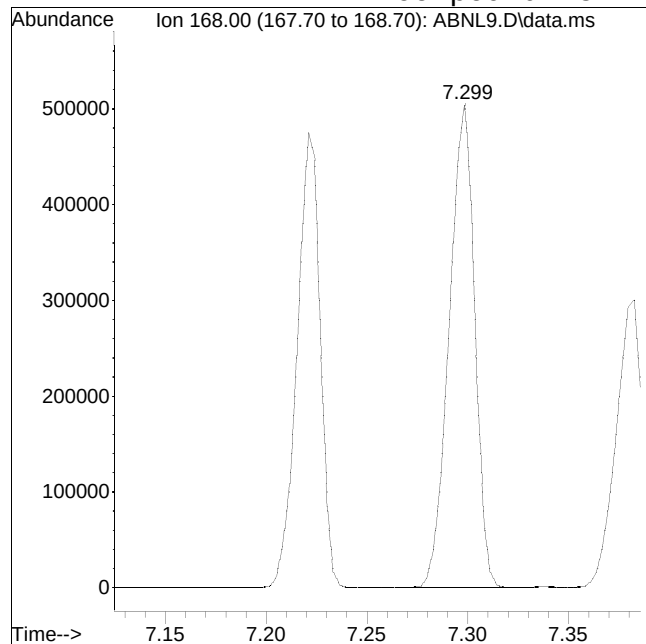
Sub List : ~~ABNL9.D~~ I:\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

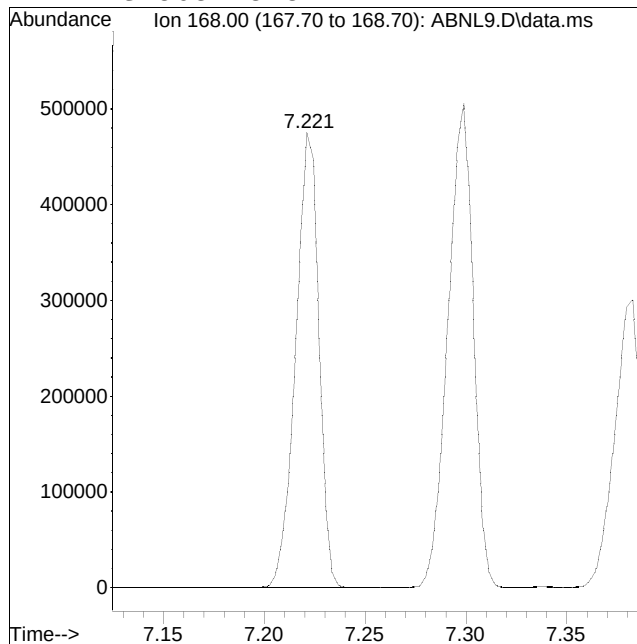
Data Path : I:\8270\Dakota\250820RVTICOM
Data File : ABNL9.D
Date Inj'd : 8/20/2025 12:47 pm
Sample : IL2,32,,ABNL50 Lot# 11827
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #51: 1,4-Dinitrobenzene



Original Peak Response = 443198

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

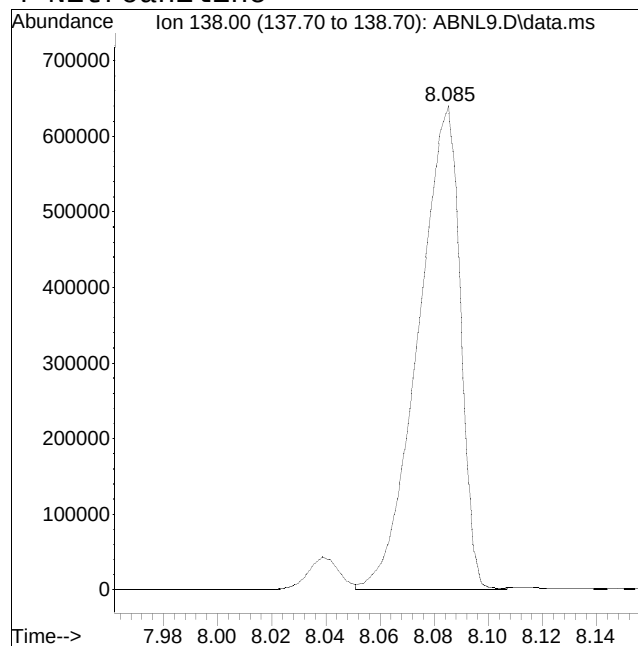
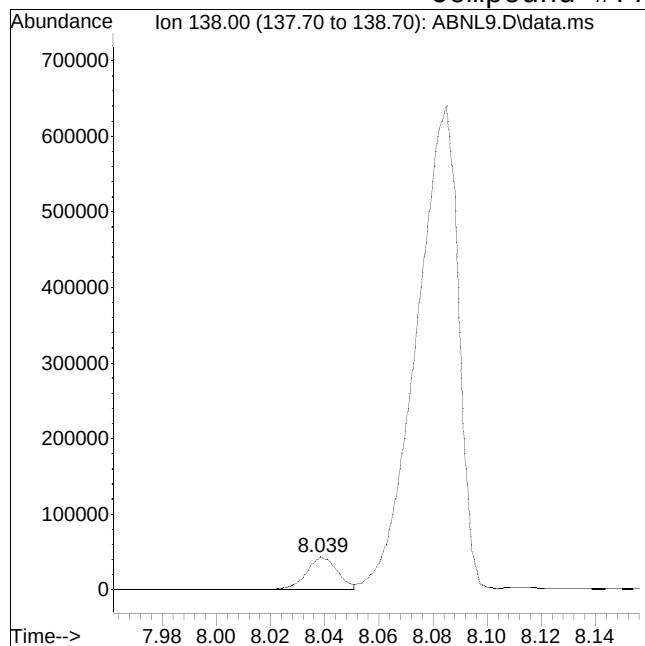


Manual Peak Response = 380153 M3

Manual Integration Report

Data Path : I:\8270\Dakota\250821RVTICQ\data.ms Method : FS250821RVT_Dakota.m
Data File : ABNL9.D Operator : Dakota:smz
Date Inj'd : 8/20/2025 12:47 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 11827 Quant Date : 8/21/2025 5:50 am

Compound #77: 4-Nitroaniline



Original Peak Response = 35128

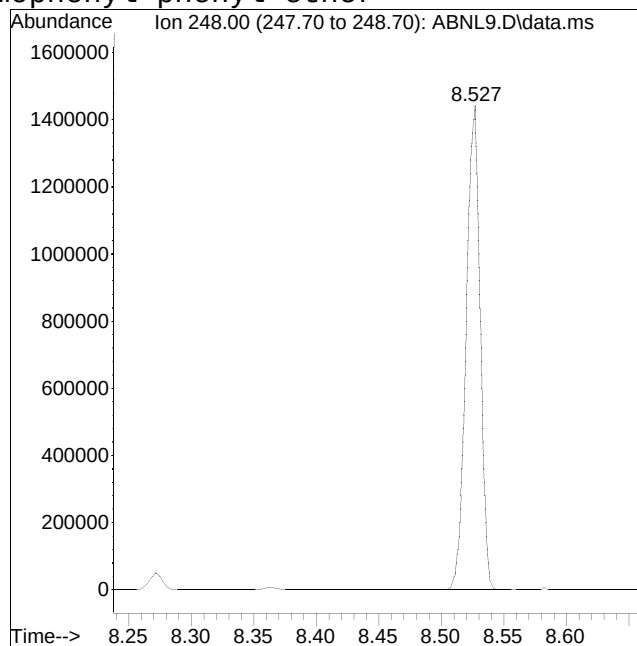
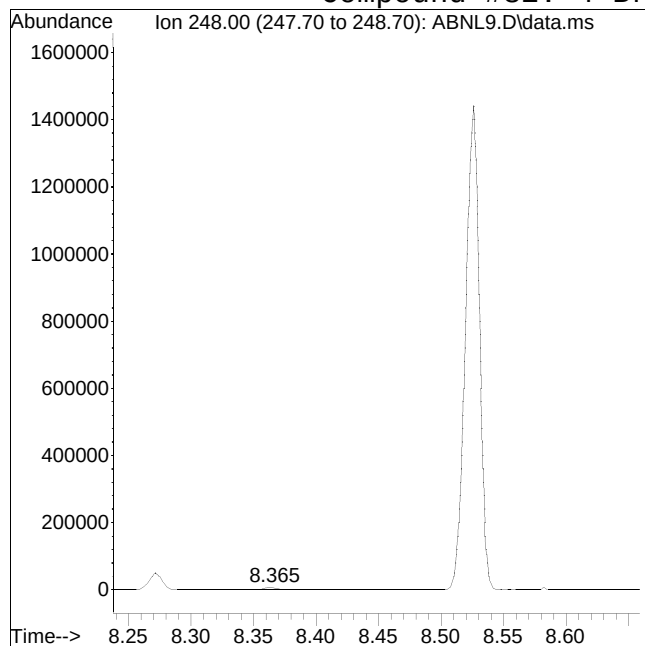
Manual Peak Response = 689833 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQMS
Data File : ABNL9.D
Date Inj'd : 8/20/2025 12:47 pm
Sample : IL2,32,,ABNL50 Lot# 11827
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #82: 4-Bromophenyl phenyl ether



Original Peak Response = 6573

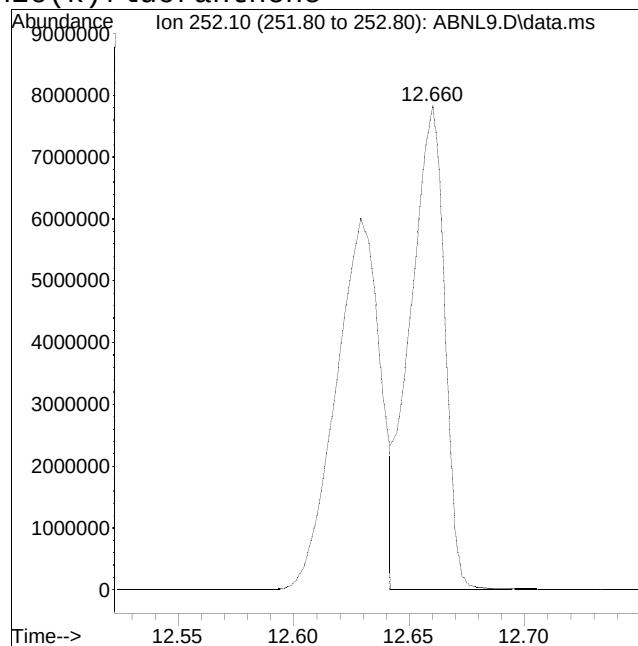
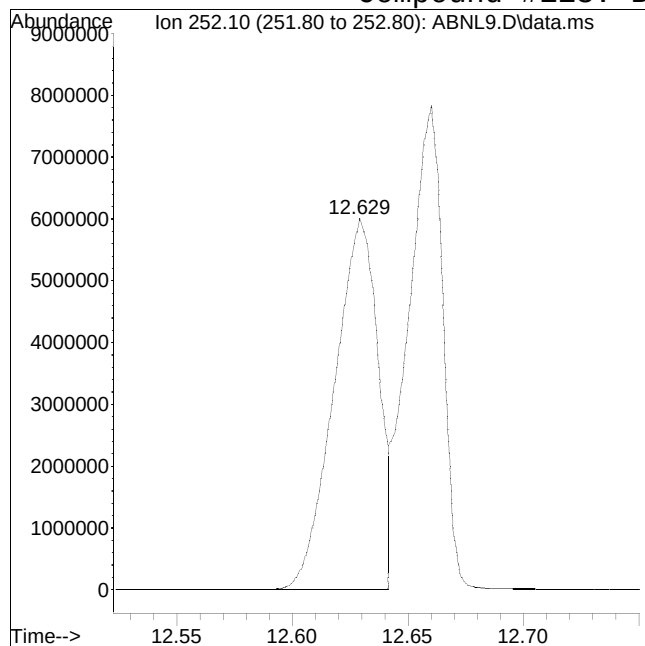
Manual Peak Response = 1124077 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICAM
Data File : ABNL9.D
Date Inj'd : 8/20/2025 12:47 pm
Sample : IL2,32,,ABNL50 Lot# 11827
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #113: Benzo(k)fluoranthene



Original Peak Response = 8075465

Manual Peak Response = 8025846 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL8.D
 Acq On : 20 Aug 2025 1:09 pm
 Operator : Dakota:smz
 Sample : IL3,32,,ABNL25 Lot# 11828
 Misc : WG2105679,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 06:12:23 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.576	152	61358	4.000	ug/ml	0.00
Standard Area 1 = 57258			Recovery =	107.16%		
37) IS1_Naphthalene-d8	5.810	136	225528	4.000	ug/ml	# 0.00
Standard Area 1 = 205727			Recovery =	109.62%		
65) IS1_Acenaphthene-d10	7.507	164	169210	4.000	ug/ml	0.00
Standard Area 1 = 152249			Recovery =	111.14%		
90) IS1_Phenanthrene-d10	8.931	188	378315	4.000	ug/ml	0.00
Standard Area 1 = 336420			Recovery =	112.45%		
106) IS1_Chrysene-d12	11.538	240	484788	4.000	ug/ml	# 0.00
Standard Area 1 = 394707			Recovery =	122.82%		
115) IS1_Perylene-d12	12.981	264	503886	4.000	ug/ml	0.00
Standard Area 1 = 434493			Recovery =	115.97%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.296	112	348615	24.269	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1213.45%#		
7) Phenol-d6	4.259	99	438470	23.152	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1157.60%#		
19) Nitrobenzene-d5	5.117	82	445698	22.701	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2270.10%#		
48) 2-Fluorobiphenyl	6.879	172	1376298	24.591	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2459.10%#		
81) 2,4,6-Tribromophenol	8.269	330	249585	23.989	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1199.45%#		
98) 4-Terphenyl-d14	10.500	244	2539016	25.619	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2561.90%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.894	74	222925	23.541	ug/ml#	90
3) Pyridine	1.928	79	323092	29.007	ug/ml#	55
5) Aniline	4.256	93	601786	23.871	ug/ml	93
6) 2-Chlorophenol	4.371	128	416925	23.655	ug/ml#	89
8) Phenol	4.272	94	529383	22.944	ug/ml#	59
9) Bis(2-chloroethyl)ether	4.340	93	351856	22.840	ug/ml	98
10) 1,3-Dichlorobenzene	4.517	146	544884	23.908	ug/ml	94
11) 1,4-Dichlorobenzene	4.592	146	554074	23.473	ug/ml	94
12) 1,2-Dichlorobenzene	4.738	146	541073	23.663	ug/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL8.D
 Acq On : 20 Aug 2025 1:09 pm
 Operator : Dakota:smz
 Sample : IL3,32,,ABNL25 Lot# 11828
 Misc : WG2105679,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 06:12:23 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	4.732	79	345154	22.701	ug/ml	98
14)	Bis(2-chloroisopropyl)...	4.875	45	619750	24.725	ug/ml#	58
15)	2-Methylphenol	4.862	108	368013	22.905	ug/ml	98
16)	Hexachloroethane	5.064	117	201331	23.240	ug/ml#	43
17)	n-Nitrosodi-n-propylamine	5.002	70	316812	23.434	ug/ml#	88
18)	3-Methylphenol/4-Methy...	5.018	108	404412	23.505	ug/ml	99
20)	Nitrobenzene	5.136	77	458118	23.393	ug/ml	97
21)	Isophorone	5.378	82	852361	23.203	ug/ml	95
22)	2-Nitrophenol	5.450	139	226279	25.349	ug/ml#	87
23)	2,4-Dimethylphenol	5.531	107	444212	23.106	ug/ml	98
24)	Bis(2-chloroethoxy)met...	5.618	93	522193	22.976	ug/ml#	97
25)	2,4-Dichlorophenol	5.689	162	480342	22.336	ug/ml#	92
26)	1,2,4-Trichlorobenzene	5.767	180	573566	23.746	ug/ml#	95
38)	Naphthalene	5.829	128	1345462	24.040	ug/ml	99
39)	Benzoic Acid	5.649	105	292644	26.450	ug/ml	95
40)	4-Chloroaniline	5.900	65	171834	25.361	ug/ml	78
41)	Hexachlorobutadiene	5.981	225	369287	28.418	ug/ml	98
42)	p-Chloro-m-cresol	6.398	107	386633	23.312	ug/ml	86
43)	2-Methylnaphthalene	6.506	142	921972	24.203	ug/ml	97
44)	1-Methylnaphthalene	6.600	115	329964	22.174	ug/ml	97
45)	Hexachlorocyclopentadiene	6.677	237	473392	33.986	ug/ml	98
46)	2,4,6-Trichlorophenol	6.792	196	435709	26.065	ug/ml	99
47)	2,4,5-Trichlorophenol	6.820	196	477015M1	23.692	ug/ml	
49)	2-Chloronaphthalene	6.970	162	1142149	23.600	ug/ml#	91
50)	2-Nitroaniline	7.085	138	324942	25.169	ug/ml#	82
51)	1,4-Dinitrobenzene	7.218	168	171193M3	28.567	ug/ml	
52)	1,3-Dinitrobenzene	7.293	168	195050	26.503	ug/ml#	1
53)	Dimethyl phthalate	7.293	163	1475020	23.942	ug/ml#	98
54)	Acenaphthylene	7.367	152	1891560	24.505	ug/ml	98
55)	2,6-Dinitrotoluene	7.330	165	301889	27.755	ug/ml#	72
56)	1,2-Dinitrobenzene	7.374	168	120754	27.995	ug/ml#	1
66)	3-Nitroaniline	7.482	138	311227	25.468	ug/ml#	86
67)	Acenaphthene	7.538	154	1035567	23.171	ug/ml	88
68)	2,4-Dinitrophenol	7.582	184	194280	27.510	ug/ml#	75
69)	Dibenzofuran	7.706	168	1810312	23.210	ug/ml	88
70)	2,4-Dinitrotoluene	7.716	165	441058	27.728	ug/ml	85
71)	4-Nitrophenol	7.672	65	236283	24.536	ug/ml#	77
72)	2,3,5,6-Tetrachlorophenol	7.796	232	440062	26.599	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL8.D
 Acq On : 20 Aug 2025 1:09 pm
 Operator : Dakota:smz
 Sample : IL3,32,,ABNL25 Lot# 11828
 Misc : WG2105679,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 06:12:23 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73)	2,3,4,6-Tetrachlorophenol	7.837	232	427176	25.310	ug/ml	99
74)	Diethyl phthalate	7.980	149	1459884	23.327	ug/ml	99
75)	Fluorene	8.036	166	1451917	23.249	ug/ml	92
76)	4-Chlorophenyl phenyl ...	8.057	204	778288	24.739	ug/ml#	82
77)	4-Nitroaniline	8.073	138	316330	24.117	ug/ml#	77
78)	4,6-Dinitro-o-cresol	8.104	198	281734	34.012	ug/ml#	52
79)	NDPA/DPA	8.176	169	1258719	23.193	ug/ml	91
80)	Azobenzene	8.207	77	1208026	23.908	ug/ml	95
82)	4-Bromophenyl phenyl e...	8.524	248	485591	24.171	ug/ml#	79
83)	Hexachlorobenzene	8.570	284	576536	24.489	ug/ml#	80
84)	Pentachlorophenol	8.763	266	345047	26.085	ug/ml	99
91)	Phenanthrene	8.953	178	2462591	23.237	ug/ml	99
92)	Anthracene	9.002	178	2537162	24.645	ug/ml	98
93)	Carbazole	9.170	167	2320941	23.429	ug/ml	97
94)	Di-n-butylphthalate	9.562	149	2684100	25.324	ug/ml#	98
95)	Fluoranthene	10.099	202	3211620	24.751	ug/ml#	89
96)	Benzidine	10.252	184	1959025	27.844	ug/ml#	93
97)	Pyrene	10.311	202	3385337	24.559	ug/ml	98
99)	Butyl benzyl phthalate	11.023	149	1281246	27.047	ug/ml#	82
107)	Benzo(a)anthracene	11.529	228	3641045	23.608	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.532	252	1475005	26.700	ug/ml#	95
109)	Chrysene	11.566	228	3376942	22.689	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.657	149	2036879	25.859	ug/ml#	92
111)	Di-n-octylphthalate	12.325	149	3486350	26.615	ug/ml#	74
112)	Benzo(b)fluoranthene	12.620	252	3565826	24.492	ug/ml#	91
113)	Benzo(k)fluoranthene	12.648	252	3728736	25.481	ug/ml#	91
114)	Benzo(a)pyrene	12.931	252	3484588	25.794	ug/ml#	91
116)	Indeno(1,2,3-cd)pyrene	13.938	276	3791852	27.196	ug/mL#	85
117)	Dibenzo(a,h)anthracene	13.963	278	3707966	26.463	ug/ml#	86
118)	Benzo(ghi)perylene	14.177	276	3677457	26.059	ug/ml#	83

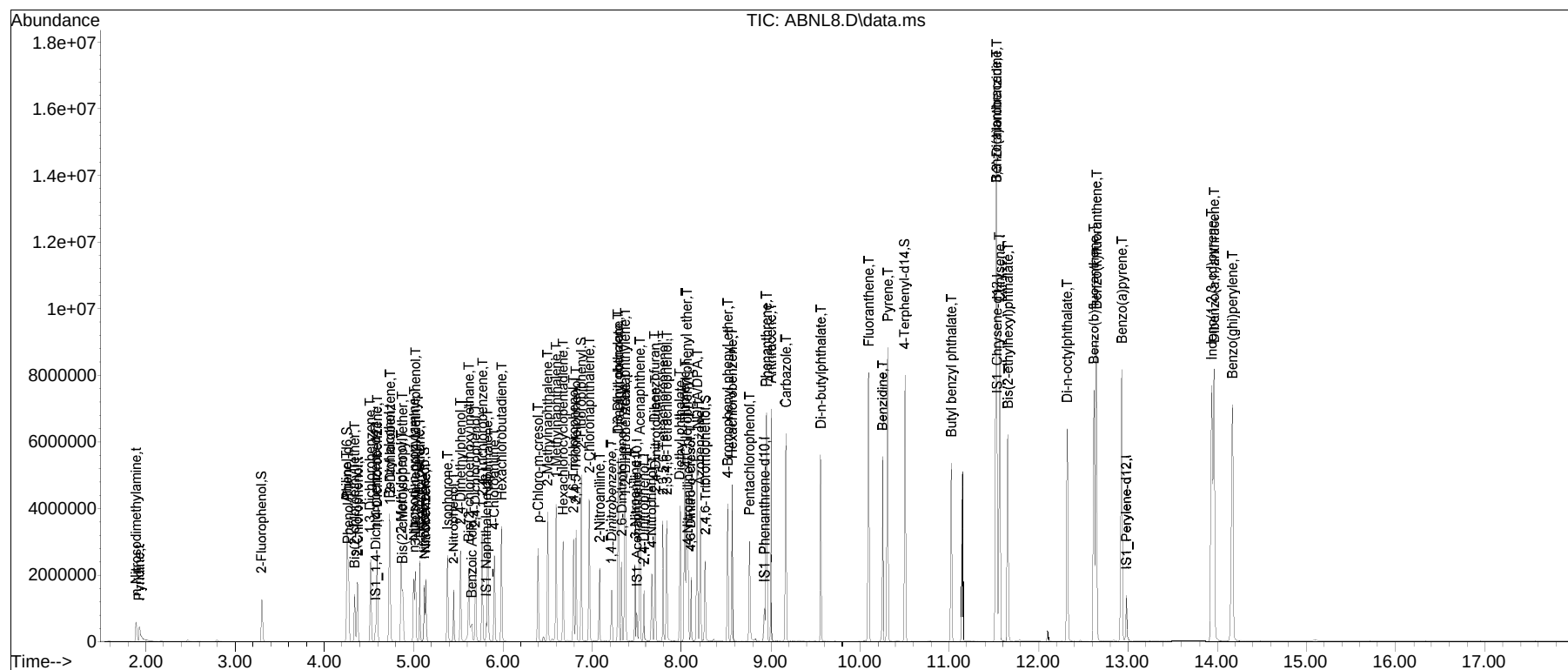
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL8.D
 Acq On : 20 Aug 2025 1:09 pm
 Operator : Dakota:smz
 Sample : IL3,32,,ABNL25 Lot# 11828
 Misc : WG2105679,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 21 06:12:23 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

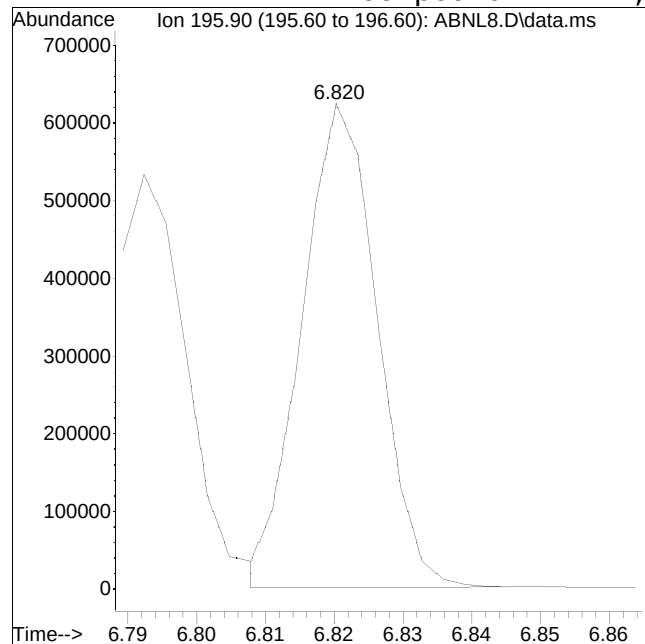
Sub List : ~~ABNL8270~~ABNL8270\8270\250820RVTICAL\AP9L6.D



Manual Integration Report

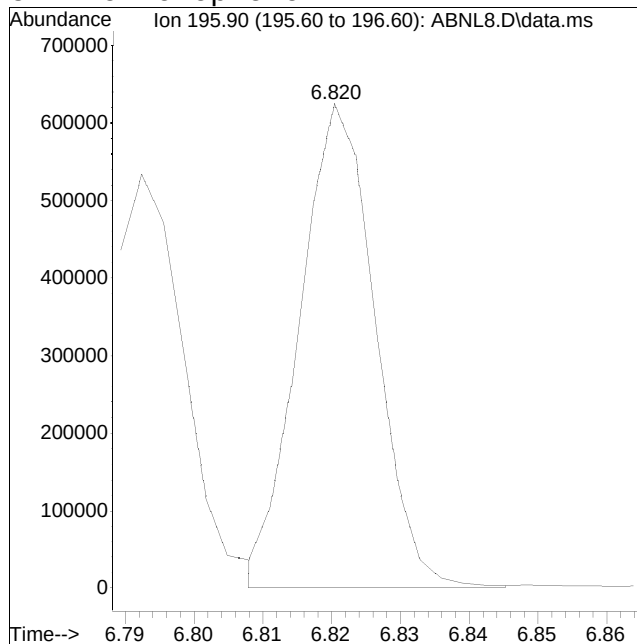
Data Path : I:\8270\Dakota\250820RVTICOM
Data File : ABNL8.D
Date Inj'd : 8/20/2025 1:09 pm
Sample : IL3,32,,ABNL25 Lot# 11828
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #47: 2,4,5-Trichlorophenol



Original Peak Response = 472033

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

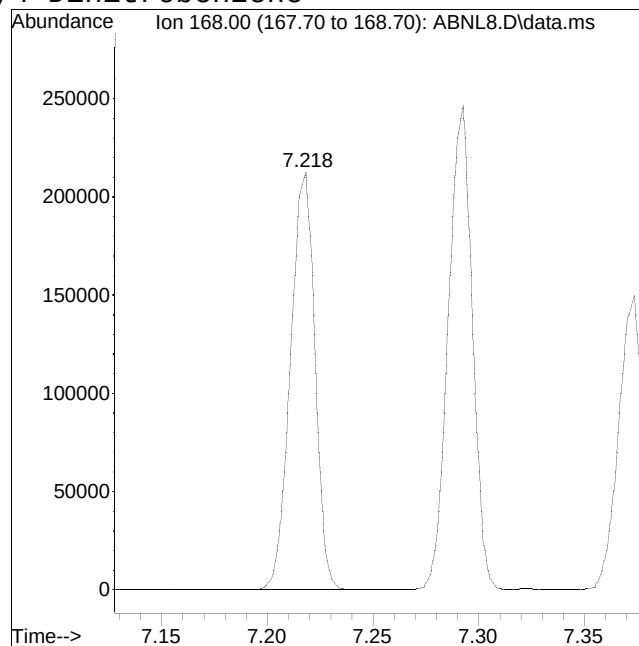
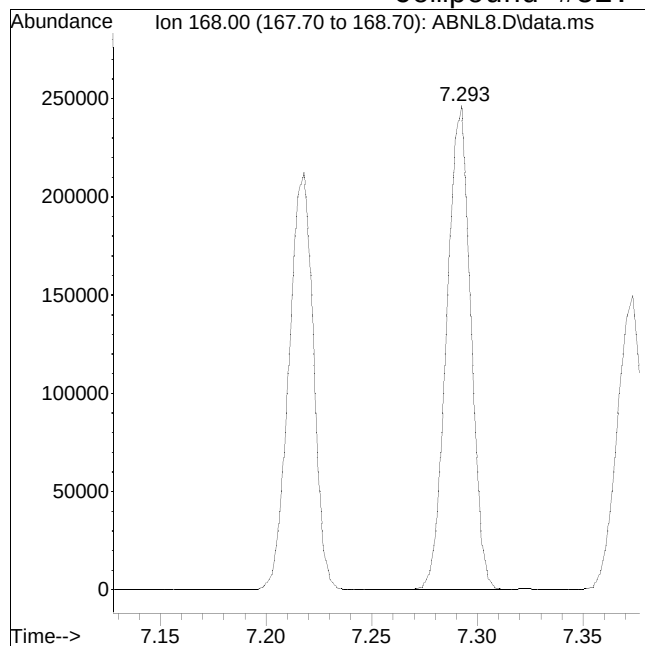


Manual Peak Response = 477015 M1

Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQ\data.ms
Data File : ABNL8.D
Date Inj'd : 8/20/2025 1:09 pm
Sample : IL3,32,,ABNL25 Lot# 11828
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #51: 1,4-Dinitrobenzene



Original Peak Response = 195050

Manual Peak Response = 171193 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL7.D
 Acq On : 20 Aug 2025 1:31 pm
 Operator : Dakota:smz
 Sample : IL4,32,,ABNL10 Lot# 11829
 Misc : WG2105679,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 06:11:14 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.576	152	61688	4.000	ug/ml	0.00
Standard Area 1 = 57258			Recovery =	107.74%		
37) IS1_Naphthalene-d8	5.810	136	218626	4.000	ug/ml	# 0.00
Standard Area 1 = 205727			Recovery =	106.27%		
65) IS1_Acenaphthene-d10	7.504	164	158185	4.000	ug/ml	0.00
Standard Area 1 = 152249			Recovery =	103.90%		
90) IS1_Phenanthrene-d10	8.928	188	347088	4.000	ug/ml	0.00
Standard Area 1 = 336420			Recovery =	103.17%		
106) IS1_Chrysene-d12	11.535	240	412689	4.000	ug/ml	0.00
Standard Area 1 = 394707			Recovery =	104.56%		
115) IS1_Perylene-d12	12.978	264	438537	4.000	ug/ml	0.00
Standard Area 1 = 434493			Recovery =	100.93%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.299	112	138232	9.572	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	478.60%#		
7) Phenol-d6	4.256	99	174028	9.140	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	457.00%#		
19) Nitrobenzene-d5	5.117	82	172316	8.730	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	873.00%#		
48) 2-Fluorobiphenyl	6.876	172	522628	9.633	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	963.30%#		
81) 2,4,6-Tribromophenol	8.266	330	89844	9.237	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	461.85%#		
98) 4-Terphenyl-d14	10.500	244	883063	9.712	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	971.20%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.900	74	89729	9.425	ug/ml	87
3) Pyridine	1.941	79	114271	10.204	ug/ml#	57
5) Aniline	4.256	93	237757	9.381	ug/ml#	50
6) 2-Chlorophenol	4.368	128	165477	9.339	ug/ml#	87
8) Phenol	4.269	94	206670	8.909	ug/ml#	48
9) Bis(2-chloroethyl)ether	4.340	93	139916	9.034	ug/ml	98
10) 1,3-Dichlorobenzene	4.517	146	220672	9.631	ug/ml	94
11) 1,4-Dichlorobenzene	4.592	146	225731	9.512	ug/ml	94
12) 1,2-Dichlorobenzene	4.738	146	214675	9.338	ug/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL7.D
 Acq On : 20 Aug 2025 1:31 pm
 Operator : Dakota:smz
 Sample : IL4,32,,ABNL10 Lot# 11829
 Misc : WG2105679,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 06:11:14 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	4.729	79	130605	8.544	ug/ml	97
14)	Bis(2-chloroisopropyl)...	4.878	45	246755	9.792	ug/ml#	59
15)	2-Methylphenol	4.859	108	145628	9.016	ug/ml	99
16)	Hexachloroethane	5.068	117	79828	9.165	ug/ml#	43
17)	n-Nitrosodi-n-propylamine	4.999	70	119854	8.818	ug/ml#	87
18)	3-Methylphenol/4-Methy...	5.018	108	157993	9.134	ug/ml	99
20)	Nitrobenzene	5.136	77	173323	8.803	ug/ml	97
21)	Isophorone	5.378	82	323755	8.766	ug/ml	95
22)	2-Nitrophenol	5.450	139	82816	9.228	ug/ml	88
23)	2,4-Dimethylphenol	5.528	107	169255	8.757	ug/ml	99
24)	Bis(2-chloroethoxy)met...	5.615	93	201348	8.812	ug/ml	98
25)	2,4-Dichlorophenol	5.686	162	183544	8.489	ug/ml#	91
26)	1,2,4-Trichlorobenzene	5.764	180	227459	9.367	ug/ml#	96
38)	Naphthalene	5.829	128	526834	9.710	ug/ml	98
39)	Benzoic Acid	5.615	105	88715	8.271	ug/ml	93
40)	4-Chloroaniline	5.900	65	66759	10.164	ug/ml	82
41)	Hexachlorobutadiene	5.981	225	143123	11.362	ug/ml	99
42)	p-Chloro-m-cresol	6.395	107	145168	9.029	ug/ml	86
43)	2-Methylnaphthalene	6.507	142	357851	9.691	ug/ml	98
44)	1-Methylnaphthalene	6.597	115	127875	8.865	ug/ml	98
45)	Hexachlorocyclopentadiene	6.678	237	173697	12.864	ug/ml	99
46)	2,4,6-Trichlorophenol	6.793	196	159954	9.871	ug/ml	98
47)	2,4,5-Trichlorophenol	6.817	196	181637	9.306	ug/ml	99
49)	2-Chloronaphthalene	6.970	162	435669	9.286	ug/ml#	91
50)	2-Nitroaniline	7.082	138	116716	9.326	ug/ml#	82
51)	1,4-Dinitrobenzene	7.212	168	59261	10.201	ug/ml	79
52)	1,3-Dinitrobenzene	7.290	168	68745	9.636	ug/ml#	1
53)	Dimethyl phthalate	7.287	163	540485	9.050	ug/ml#	97
54)	Acenaphthylene	7.364	152	699212	9.344	ug/ml	98
55)	2,6-Dinitrotoluene	7.327	165	107160	10.163	ug/ml#	73
56)	1,2-Dinitrobenzene	7.367	168	42829	10.243	ug/ml#	1
66)	3-Nitroaniline	7.479	138	112432	9.841	ug/ml#	87
67)	Acenaphthene	7.535	154	385290	9.222	ug/ml	88
68)	2,4-Dinitrophenol	7.579	184	66688	10.454	ug/ml#	75
69)	Dibenzofuran	7.706	168	680547	9.333	ug/ml	88
70)	2,4-Dinitrotoluene	7.709	165	155980	10.490	ug/ml	87
71)	4-Nitrophenol	7.669	65	82946	9.213	ug/ml#	80
72)	2,3,5,6-Tetrachlorophenol	7.793	232	154811	10.009	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL7.D
 Acq On : 20 Aug 2025 1:31 pm
 Operator : Dakota:smz
 Sample : IL4,32,,ABNL10 Lot# 11829
 Misc : WG2105679,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 06:11:14 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73)	2,3,4,6-Tetrachlorophenol	7.837	232	155067M1	9.828	ug/ml	
74)	Diethyl phthalate	7.974	149	541500	9.256	ug/ml	99
75)	Fluorene	8.036	166	533956	9.146	ug/ml	92
76)	4-Chlorophenyl phenyl ...	8.054	204	287034	9.760	ug/ml#	82
77)	4-Nitroaniline	8.064	138	109968	8.968	ug/ml#	80
78)	4,6-Dinitro-o-cresol	8.098	198	94260	12.173	ug/ml#	53
79)	NDPA/DPA	8.169	169	465993	9.185	ug/ml	92
80)	Azobenzene	8.204	77	450695	9.542	ug/ml	95
82)	4-Bromophenyl phenyl e...	8.521	248	180124	9.591	ug/ml#	80
83)	Hexachlorobenzene	8.567	284	209655	9.526	ug/ml#	81
84)	Pentachlorophenol	8.763	266	124594	10.076	ug/ml	99
91)	Phenanthrene	8.950	178	897092	9.227	ug/ml	98
92)	Anthracene	8.999	178	913631	9.673	ug/ml	98
93)	Carbazole	9.167	167	829014	9.121	ug/ml	98
94)	Di-n-butylphthalate	9.562	149	956156	9.833	ug/ml	98
95)	Fluoranthene	10.096	202	1135893	9.541	ug/ml#	90
96)	Benzidine	10.249	184	660762	10.236	ug/ml#	93
97)	Pyrene	10.308	202	1199393	9.484	ug/ml	99
99)	Butyl benzyl phthalate	11.020	149	418999	9.641	ug/ml#	82
107)	Benzo(a)anthracene	11.523	228	1257975	9.582	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.526	252	487814	10.373	ug/ml#	95
109)	Chrysene	11.560	228	1198419	9.459	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.654	149	687759	10.257	ug/ml#	91
111)	Di-n-octylphthalate	12.325	149	1145308	10.271	ug/ml#	74
112)	Benzo(b)fluoranthene	12.614	252	1284845	10.367	ug/ml#	91
113)	Benzo(k)fluoranthene	12.642	252	1230641	9.879	ug/ml#	92
114)	Benzo(a)pyrene	12.925	252	1179355	10.255	ug/ml#	91
116)	Indeno(1,2,3-cd)pyrene	13.932	276	1304010	10.746	ug/mL#	85
117)	Dibenzo(a,h)anthracene	13.954	278	1287622	10.559	ug/ml#	87
118)	Benzo(ghi)perylene	14.168	276	1290314	10.506	ug/ml#	83

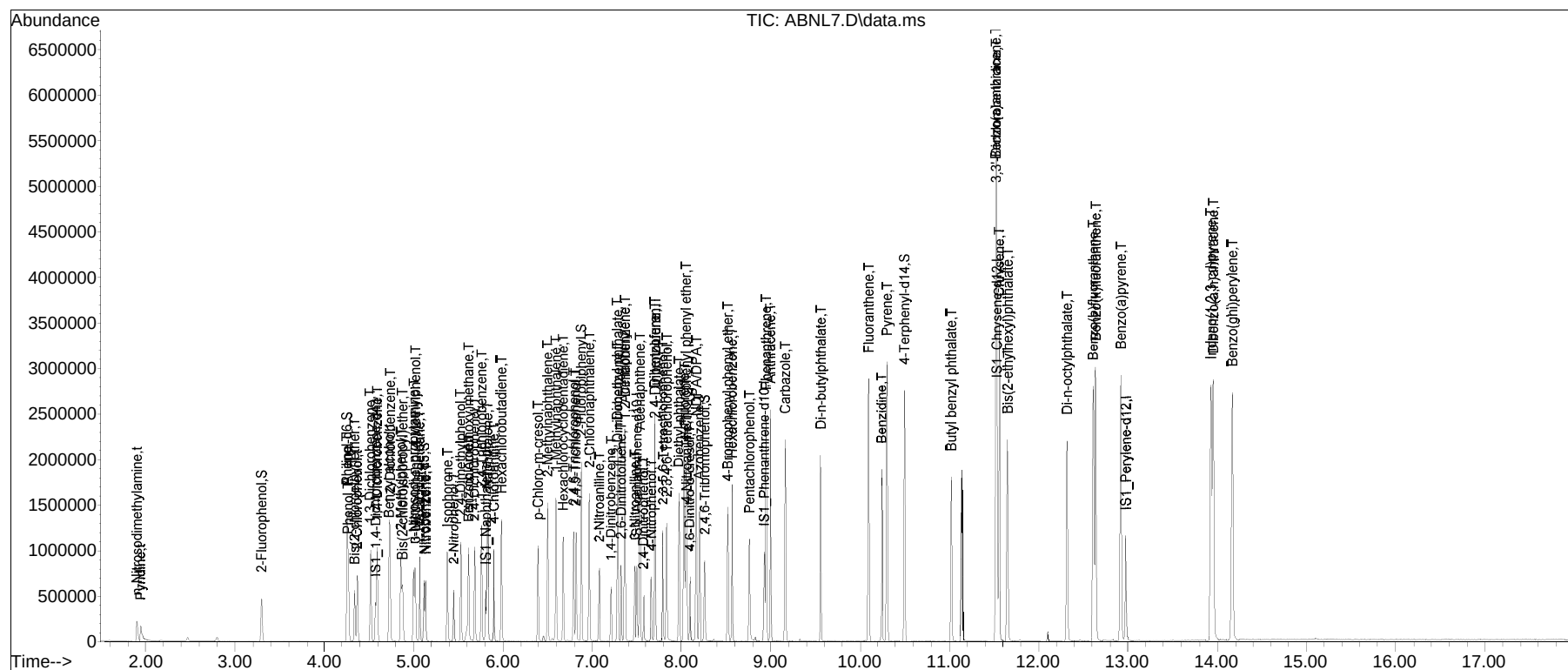
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Data Path : I:\8270\Dakota\250820\RTICAL\
Data File : ABNL7.D
Acq On    : 20 Aug 2025    1:31 pm
Operator  : Dakota:smz
Sample    : IL4,32,,ABNL10 Lot# 11829
Misc      : WG2105679,,
ALS Vial  : 3    Sample Multiplier: 1
```

Quant Time: Aug 21 06:11:14 2025
Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 21 05:46:21 2025
Response via : Initial Calibration

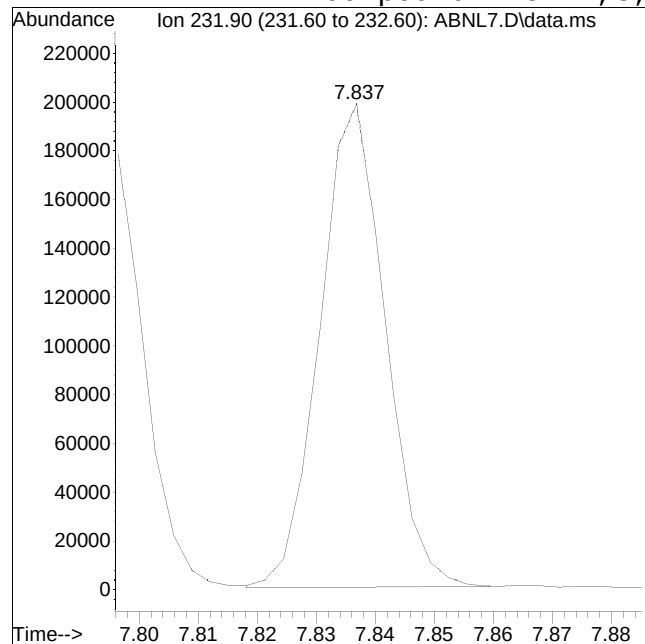
Sub List : ABNITa\8270ABNakoaa\850820RVTICAL\AP9L6.D•



Manual Integration Report

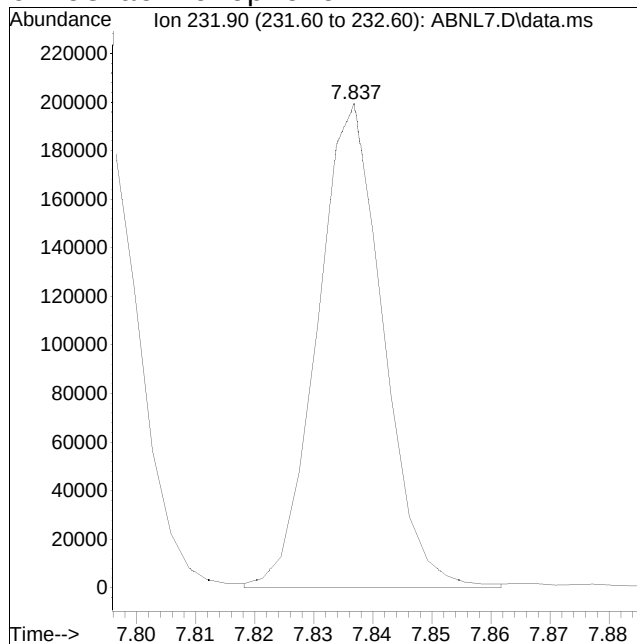
Data Path : I:\8270\Dakota\250820RVTICOM
Data File : ABNL7.D
Date Inj'd : 8/20/2025 1:31 pm
Sample : IL4,32,,ABNL10 Lot# 11829
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #73: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 152075

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 155067 M1

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL6.D
 Acq On : 20 Aug 2025 1:54 pm
 Operator : Dakota:smz
 Sample : IL5,32,,ABNL5 Lot# 11830
 Misc : WG2105679,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 06:09:55 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.576	152	57258	4.000	ug/ml	0.00
Standard Area 1 = 57258			Recovery =	100.00%		
37) IS1_Naphthalene-d8	5.810	136	205727	4.000	ug/ml	# 0.00
Standard Area 1 = 205727			Recovery =	100.00%		
65) IS1_Acenaphthene-d10	7.504	164	152249	4.000	ug/ml	0.00
Standard Area 1 = 152249			Recovery =	100.00%		
90) IS1_Phenanthrene-d10	8.928	188	336420	4.000	ug/ml	0.00
Standard Area 1 = 336420			Recovery =	100.00%		
106) IS1_Chrysene-d12	11.532	240	394707	4.000	ug/ml	0.00
Standard Area 1 = 394707			Recovery =	100.00%		
115) IS1_Perylene-d12	12.978	264	434493	4.000	ug/ml	0.00
Standard Area 1 = 434493			Recovery =	100.00%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.296	112	64528	4.814	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	240.70%#		
7) Phenol-d6	4.256	99	81180	4.593	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	229.65%#		
19) Nitrobenzene-d5	5.117	82	80121	4.373	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	437.30%#		
48) 2-Fluorobiphenyl	6.876	172	248118	4.860	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	486.00%#		
81) 2,4,6-Tribromophenol	8.266	330	40631	4.340	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	217.00%#		
98) 4-Terphenyl-d14	10.497	244	430206	4.881	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	488.10%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.897	74	42311	4.788	ug/ml#	89
3) Pyridine	1.944	79	50980M1	4.905	ug/ml	
5) Aniline	4.256	93	109490	4.654	ug/ml#	47
6) 2-Chlorophenol	4.368	128	77138	4.690	ug/ml#	88
8) Phenol	4.269	94	97128	4.511	ug/ml#	48
9) Bis(2-chloroethyl)ether	4.340	93	66855	4.651	ug/ml	97
10) 1,3-Dichlorobenzene	4.517	146	104769	4.926	ug/ml	93
11) 1,4-Dichlorobenzene	4.592	146	107579	4.884	ug/ml	94
12) 1,2-Dichlorobenzene	4.738	146	103708	4.860	ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL6.D
 Acq On : 20 Aug 2025 1:54 pm
 Operator : Dakota:smz
 Sample : IL5,32,,ABNL5 Lot# 11830
 Misc : WG2105679,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 06:09:55 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	4.729	79	59151	4.169	ug/ml	98
14)	Bis(2-chloroisopropyl)...	4.875	45	118466	5.065	ug/ml#	61
15)	2-Methylphenol	4.859	108	66888	4.461	ug/ml	96
16)	Hexachloroethane	5.067	117	37060	4.584	ug/ml#	41
17)	n-Nitrosodi-n-propylamine	4.999	70	56030	4.441	ug/ml#	87
18)	3-Methylphenol/4-Methy...	5.015	108	71508	4.454	ug/ml	98
20)	Nitrobenzene	5.136	77	82945	4.539	ug/ml	95
21)	Isophorone	5.375	82	150450	4.389	ug/ml	94
22)	2-Nitrophenol	5.450	139	36358	4.365	ug/ml	88
23)	2,4-Dimethylphenol	5.527	107	78236	4.361	ug/ml	99
24)	Bis(2-chloroethoxy)met...	5.614	93	96543	4.552	ug/ml#	95
25)	2,4-Dichlorophenol	5.686	162	82897	4.131	ug/ml#	91
26)	1,2,4-Trichlorobenzene	5.764	180	106332	4.717	ug/ml#	97
38)	Naphthalene	5.829	128	247977	4.857	ug/ml	99
39)	Benzoic Acid	5.596	105	32577	3.228	ug/ml	94
40)	4-Chloroaniline	5.900	65	30275	4.898	ug/ml	76
41)	Hexachlorobutadiene	5.981	225	66956	5.649	ug/ml	100
42)	p-Chloro-m-cresol	6.395	107	66639	4.405	ug/ml	89
43)	2-Methylnaphthalene	6.507	142	165649	4.767	ug/ml	96
44)	1-Methylnaphthalene	6.597	115	59183	4.360	ug/ml	92
45)	Hexachlorocyclopentadiene	6.677	237	80839	6.362	ug/ml	98
46)	2,4,6-Trichlorophenol	6.792	196	71681	4.701	ug/ml	97
47)	2,4,5-Trichlorophenol	6.820	196	81651	4.446	ug/ml	99
49)	2-Chloronaphthalene	6.970	162	205092	4.646	ug/ml#	91
50)	2-Nitroaniline	7.082	138	51490	4.372	ug/ml	85
51)	1,4-Dinitrobenzene	7.212	168	26110	4.776	ug/ml	81
52)	1,3-Dinitrobenzene	7.287	168	30858	4.596	ug/ml#	1
53)	Dimethyl phthalate	7.284	163	262062	4.663	ug/ml#	98
54)	Acenaphthylene	7.364	152	332664	4.724	ug/ml	99
55)	2,6-Dinitrotoluene	7.324	165	50568	5.097	ug/ml#	75
56)	1,2-Dinitrobenzene	7.364	168	19548	4.968	ug/ml#	1
66)	3-Nitroaniline	7.476	138	50983	4.637	ug/ml#	87
67)	Acenaphthene	7.535	154	183830	4.571	ug/ml	88
68)	2,4-Dinitrophenol	7.579	184	28098	4.889	ug/ml#	76
69)	Dibenzofuran	7.703	168	323732	4.613	ug/ml	89
70)	2,4-Dinitrotoluene	7.709	165	71110	4.969	ug/ml	90
71)	4-Nitrophenol	7.666	65	38513	4.445	ug/ml#	80
72)	2,3,5,6-Tetrachlorophenol	7.793	232	70324	4.724	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL6.D
 Acq On : 20 Aug 2025 1:54 pm
 Operator : Dakota:smz
 Sample : IL5,32,,ABNL5 Lot# 11830
 Misc : WG2105679,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 06:09:55 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73)	2,3,4,6-Tetrachlorophenol	7.837	232	71383	4.701	ug/ml	97
74)	Diethyl phthalate	7.970	149	260623	4.628	ug/ml	99
75)	Fluorene	8.033	166	253319	4.508	ug/ml	90
76)	4-Chlorophenyl phenyl ...	8.054	204	139140	4.915	ug/ml#	83
77)	4-Nitroaniline	8.061	138	50754	4.301	ug/ml#	83
78)	4,6-Dinitro-o-cresol	8.098	198	43112	5.785	ug/ml#	52
79)	NDPA/DPA	8.169	169	223362	4.574	ug/ml	92
80)	Azobenzene	8.204	77	218063	4.797	ug/ml	96
82)	4-Bromophenyl phenyl e...	8.521	248	84317	4.665	ug/ml#	79
83)	Hexachlorobenzene	8.567	284	100450	4.742	ug/ml#	81
84)	Pentachlorophenol	8.763	266	55835	4.691	ug/ml	99
91)	Phenanthrene	8.949	178	430920	4.573	ug/ml	98
92)	Anthracene	8.999	178	431108	4.709	ug/ml	98
93)	Carbazole	9.167	167	398482	4.523	ug/ml	98
94)	Di-n-butylphthalate	9.562	149	446902	4.742	ug/ml	98
95)	Fluoranthene	10.093	202	539705	4.677	ug/ml#	90
96)	Benzidine	10.249	184	309833	4.952	ug/ml#	93
97)	Pyrene	10.308	202	581405	4.743	ug/ml	99
99)	Butyl benzyl phthalate	11.019	149	187162	4.443	ug/ml#	84
107)	Benzo(a)anthracene	11.523	228	583437	4.646	ug/ml	97
108)	3,3'-Dichlorobenzidine	11.526	252	223763	4.975	ug/ml#	95
109)	Chrysene	11.557	228	571174	4.713	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.654	149	318716	4.970	ug/ml#	92
111)	Di-n-octylphthalate	12.325	149	525728	4.929	ug/ml#	74
112)	Benzo(b)fluoranthene	12.614	252	591068	4.986	ug/ml#	92
113)	Benzo(k)fluoranthene	12.639	252	607229	5.097	ug/ml#	91
114)	Benzo(a)pyrene	12.922	252	562204	5.111	ug/ml#	91
116)	Indeno(1,2,3-cd)pyrene	13.929	276	599820	4.989	ug/mL#	86
117)	Dibenzo(a,h)anthracene	13.954	278	604987	5.007	ug/ml#	88
118)	Benzo(ghi)perylene	14.162	276	599922	4.930	ug/ml#	84

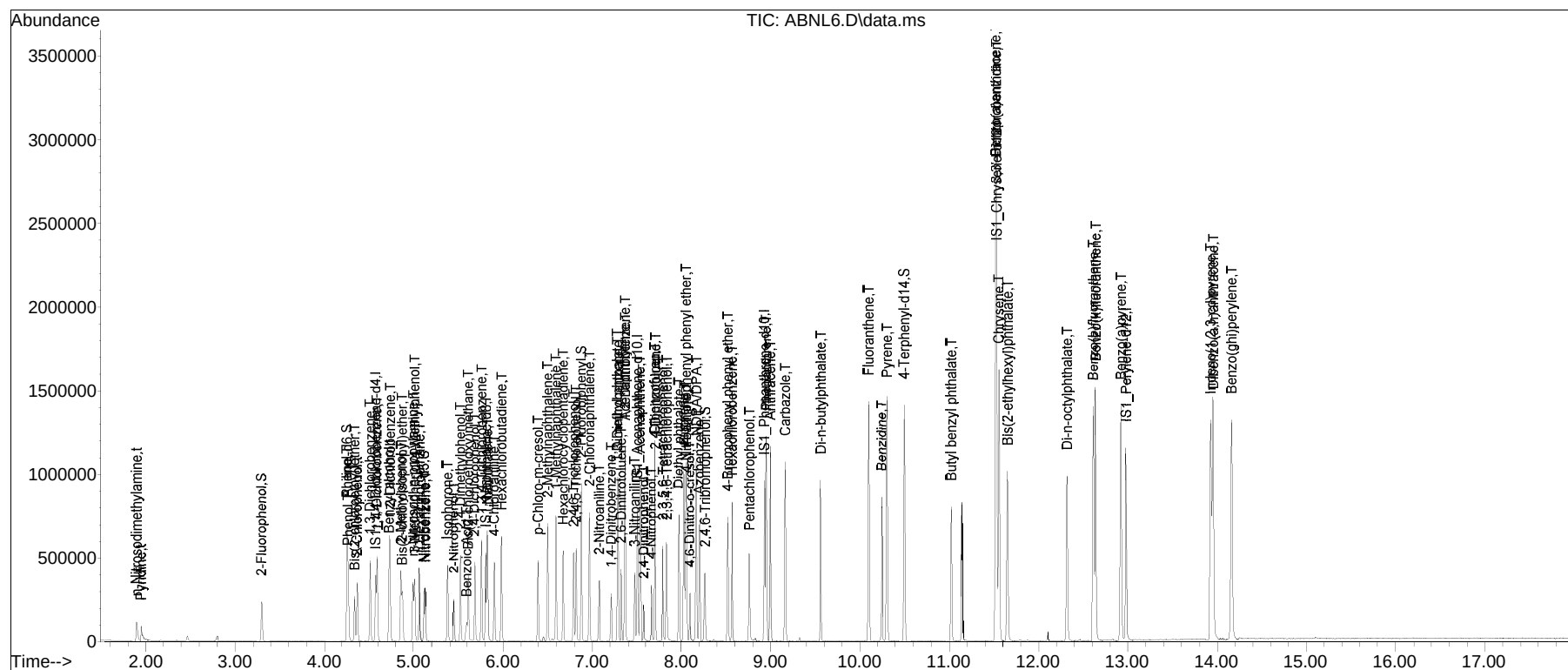
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Data Path : I:\8270\Dakota\250820\RTICAL\
Data File : ABNL6.D
Acq On    : 20 Aug 2025    1:54 pm
Operator  : Dakota:smz
Sample    : IL5,32,,ABNL5 Lot# 11830
Misc      : WG2105679,,
ALS Vial  : 4    Sample Multiplier: 1
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Quant Time: Aug 21 06:09:55 2025
Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 21 05:46:21 2025
Response via : Initial Calibration

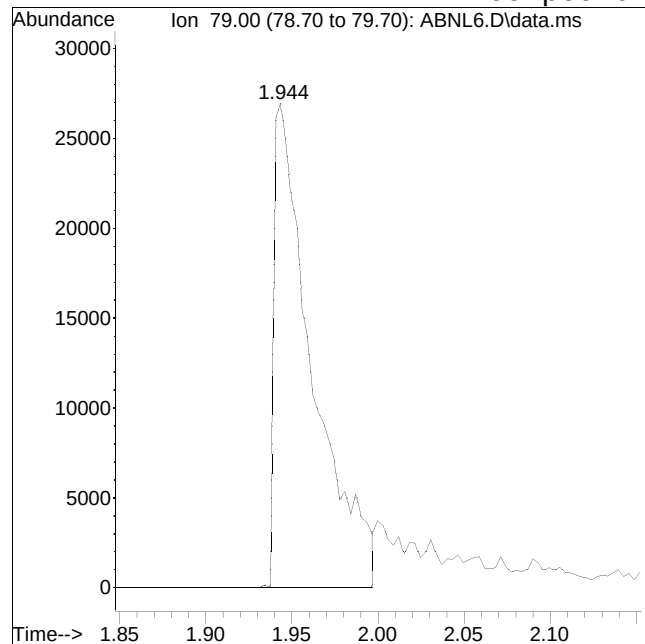
Sub List : ABNITa\8270ABNakoah\850820RVTICAL\AP9L6.D•



Manual Integration Report

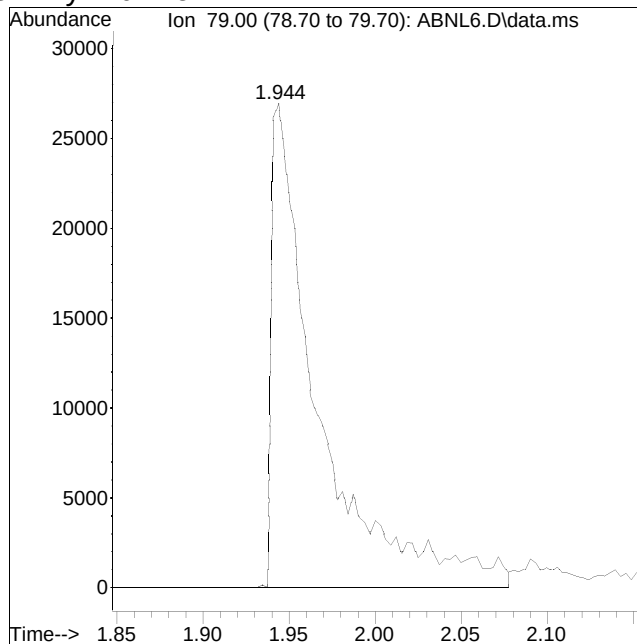
Data Path : I:\8270\Dakota\250821RVTICOM
Data File : ABNL6.D
Date Inj'd : 8/20/2025 1:54 pm
Sample : IL5,32,,ABNL5 Lot# 11830
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #3: Pyridine



Original Peak Response = 41709

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 50980 M1

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL5.D
 Acq On : 20 Aug 2025 2:16 pm
 Operator : Dakota:smz
 Sample : IL6,32,,ABNL2.5 Lot# 11831
 Misc : WG2105679,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 06:09:19 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.576	152	56872	4.000	ug/ml	0.00
Standard Area 1 = 57258			Recovery =	99.33%		
37) IS1_Naphthalene-d8	5.807	136	203526	4.000	ug/ml	# 0.00
Standard Area 1 = 205727			Recovery =	98.93%		
65) IS1_Acenaphthene-d10	7.504	164	148911	4.000	ug/ml	0.00
Standard Area 1 = 152249			Recovery =	97.81%		
90) IS1_Phenanthrene-d10	8.928	188	331839	4.000	ug/ml	0.00
Standard Area 1 = 336420			Recovery =	98.64%		
106) IS1_Chrysene-d12	11.532	240	389624	4.000	ug/ml	# 0.00
Standard Area 1 = 394707			Recovery =	98.71%		
115) IS1_Perylene-d12	12.975	264	422272	4.000	ug/ml	0.00
Standard Area 1 = 434493			Recovery =	97.19%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.296	112	30796	2.313	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	115.65%#		
7) Phenol-d6	4.256	99	38988	2.221	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	111.05%#		
19) Nitrobenzene-d5	5.117	82	37642	2.068	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	206.80%#		
48) 2-Fluorobiphenyl	6.876	172	124915	2.473	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	247.30%#		
81) 2,4,6-Tribromophenol	8.266	330	19867	2.170	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	108.50%		
98) 4-Terphenyl-d14	10.497	244	211088	2.428	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	242.80%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.900	74	20537	2.340	ug/ml#	95
3) Pyridine	1.953	79	23244M1	2.251	ug/ml	
5) Aniline	4.256	93	55449	2.373	ug/ml#	49
6) 2-Chlorophenol	4.368	128	37457	2.293	ug/ml#	89
8) Phenol	4.269	94	48031	2.246	ug/ml#	47
9) Bis(2-chloroethyl)ether	4.340	93	34594	2.423	ug/ml	96
10) 1,3-Dichlorobenzene	4.517	146	53390M3	2.527	ug/ml	
11) 1,4-Dichlorobenzene	4.592	146	53252	2.434	ug/ml	95
12) 1,2-Dichlorobenzene	4.738	146	50374	2.377	ug/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL5.D
 Acq On : 20 Aug 2025 2:16 pm
 Operator : Dakota:smz
 Sample : IL6,32,,ABNL2.5 Lot# 11831
 Misc : WG2105679,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 06:09:19 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.729	79	28942	2.054	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.875	45	60624	2.609	ug/ml#	73
15) 2-Methylphenol	4.859	108	33462	2.247	ug/ml	100
16) Hexachloroethane	5.064	117	18865	2.349	ug/ml#	49
17) n-Nitrosodi-n-propylamine	4.999	70	27291	2.178	ug/ml#	88
18) 3-Methylphenol/4-Methy...	5.015	108	34149	2.141	ug/ml	98
20) Nitrobenzene	5.136	77	39321	2.166	ug/ml	96
21) Isophorone	5.378	82	70983	2.085	ug/ml	97
22) 2-Nitrophenol	5.450	139	16809	2.032	ug/ml	89
23) 2,4-Dimethylphenol	5.527	107	37335	2.095	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.615	93	46128	2.190	ug/ml#	95
25) 2,4-Dichlorophenol	5.686	162	40156	2.015	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.764	180	51075	2.281	ug/ml#	96
38) Naphthalene	5.829	128	123654	2.448	ug/ml	99
39) Benzoic Acid	5.583	105	14303	1.432	ug/ml#	86
40) 4-Chloroaniline	5.900	65	14801	2.421	ug/ml	80
41) Hexachlorobutadiene	5.981	225	33593	2.865	ug/ml	95
42) p-Chloro-m-cresol	6.395	107	33502	2.238	ug/ml	91
43) 2-Methylnaphthalene	6.507	142	82298	2.394	ug/ml	96
44) 1-Methylnaphthalene	6.597	115	29199	2.174	ug/ml	93
45) Hexachlorocyclopentadiene	6.678	237	38813	3.088	ug/ml	98
46) 2,4,6-Trichlorophenol	6.793	196	35565	2.358	ug/ml	99
47) 2,4,5-Trichlorophenol	6.820	196	38680	2.129	ug/ml	98
49) 2-Chloronaphthalene	6.970	162	102766	2.353	ug/ml#	91
50) 2-Nitroaniline	7.078	138	23720	2.036	ug/ml	85
51) 1,4-Dinitrobenzene	7.212	168	12504	2.312	ug/ml	78
52) 1,3-Dinitrobenzene	7.287	168	14352	2.161	ug/ml#	1
53) Dimethyl phthalate	7.284	163	129710	2.333	ug/ml#	98
54) Acenaphthylene	7.364	152	164050	2.355	ug/ml	98
55) 2,6-Dinitrotoluene	7.324	165	24633	2.510	ug/ml#	73
56) 1,2-Dinitrobenzene	7.361	168	9196	2.362	ug/ml#	1
66) 3-Nitroaniline	7.476	138	23778	2.211	ug/ml#	87
67) Acenaphthene	7.535	154	92306	2.347	ug/ml	88
68) 2,4-Dinitrophenol	7.579	184	12572	2.539	ug/ml#	76
69) Dibenzofuran	7.703	168	162229	2.363	ug/ml	89
70) 2,4-Dinitrotoluene	7.709	165	33879	2.420	ug/ml	88
71) 4-Nitrophenol	7.666	65	18470	2.179	ug/ml#	86
72) 2,3,5,6-Tetrachlorophenol	7.793	232	33367	2.292	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL5.D
 Acq On : 20 Aug 2025 2:16 pm
 Operator : Dakota:smz
 Sample : IL6,32,,ABNL2.5 Lot# 11831
 Misc : WG2105679,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 06:09:19 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73)	2,3,4,6-Tetrachlorophenol	7.834	232	34229	2.305	ug/ml	98
74)	Diethyl phthalate	7.970	149	129184	2.346	ug/ml	99
75)	Fluorene	8.033	166	126987	2.311	ug/ml	93
76)	4-Chlorophenyl phenyl ...	8.054	204	68383	2.470	ug/ml#	84
77)	4-Nitroaniline	8.061	138	25145	2.178	ug/ml#	79
78)	4,6-Dinitro-o-cresol	8.098	198	19699	2.702	ug/ml#	53
79)	NDPA/DPA	8.169	169	113478	2.376	ug/ml	92
80)	Azobenzene	8.204	77	108905	2.449	ug/ml	97
82)	4-Bromophenyl phenyl e...	8.521	248	40370	2.283	ug/ml#	79
83)	Hexachlorobenzene	8.567	284	48866	2.359	ug/ml#	82
84)	Pentachlorophenol	8.763	266	25904	2.225	ug/ml	94
91)	Phenanthrene	8.950	178	218448	2.350	ug/ml	99
92)	Anthracene	8.999	178	216091	2.393	ug/ml	99
93)	Carbazole	9.167	167	197458	2.272	ug/ml	97
94)	Di-n-butylphthalate	9.562	149	211473	2.275	ug/ml	99
95)	Fluoranthene	10.093	202	268031	2.355	ug/ml#	90
96)	Benzidine	10.249	184	131856	2.137	ug/ml#	93
97)	Pyrene	10.305	202	285453	2.361	ug/ml	98
99)	Butyl benzyl phthalate	11.020	149	84941	2.044	ug/ml#	84
107)	Benzo(a)anthracene	11.523	228	290181	2.341	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.526	252	107244	2.415	ug/ml#	95
109)	Chrysene	11.557	228	279079	2.333	ug/ml	97
110)	Bis(2-ethylhexyl)phtha...	11.654	149	144018	2.275	ug/ml#	91
111)	Di-n-octylphthalate	12.325	149	228469	2.170	ug/ml#	74
112)	Benzo(b)fluoranthene	12.614	252	297203	2.540	ug/ml#	91
113)	Benzo(k)fluoranthene	12.639	252	299026	2.543	ug/ml#	93
114)	Benzo(a)pyrene	12.922	252	269201	2.479	ug/ml#	91
116)	Indeno(1,2,3-cd)pyrene	13.926	276	275499M6	2.358	ug/mL	
117)	Dibenzo(a,h)anthracene	13.950	278	295489	2.516	ug/ml#	88
118)	Benzo(ghi)perylene	14.162	276	296860	2.510	ug/ml#	83

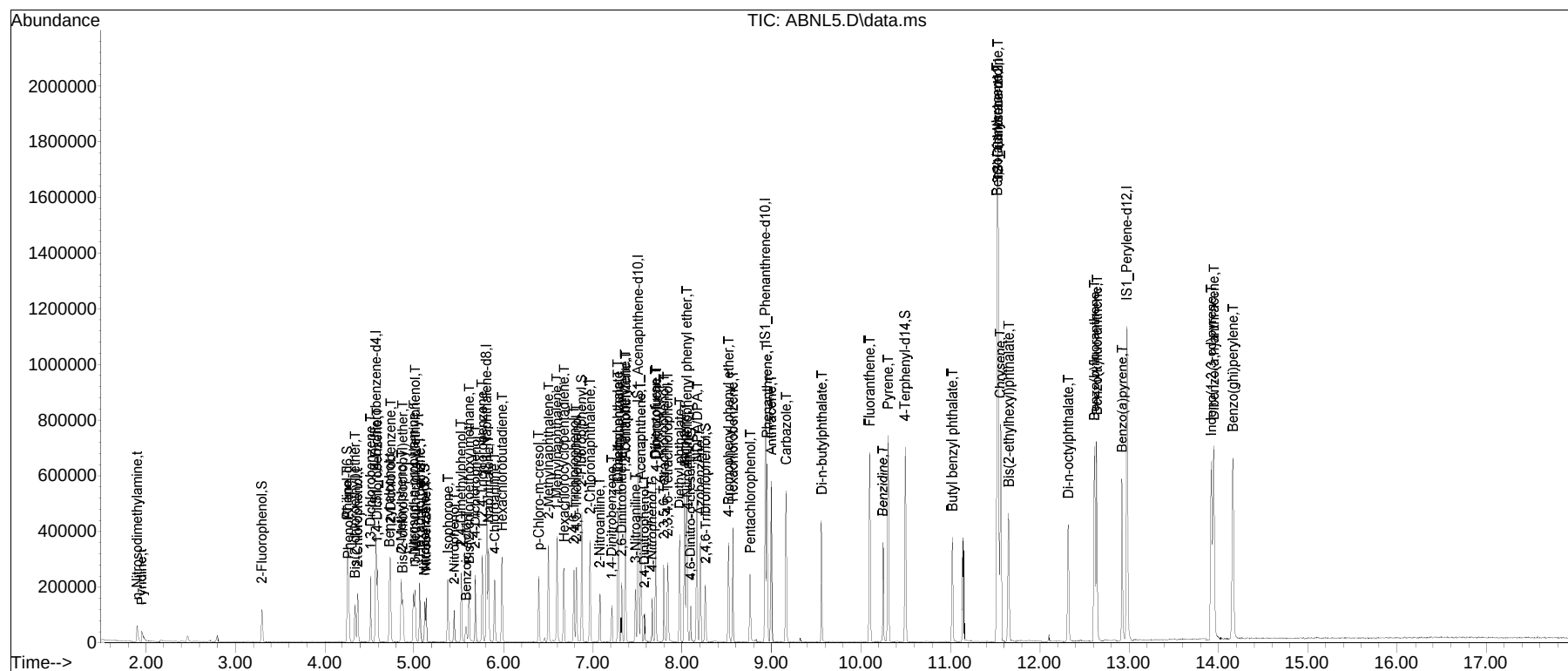
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
Data File : ABNL5.D
Acq On : 20 Aug 2025 2:16 pm
Operator : Dakota:smz
Sample : IL6,32,,ABNL2.5 Lot# 11831
Misc : WG2105679,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 06:09:19 2025
Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 21 05:46:21 2025
Response via : Initial Calibration

Sub List : ABNITa\8270ABNakoah\850820RVTICAL\AP9L6.D•

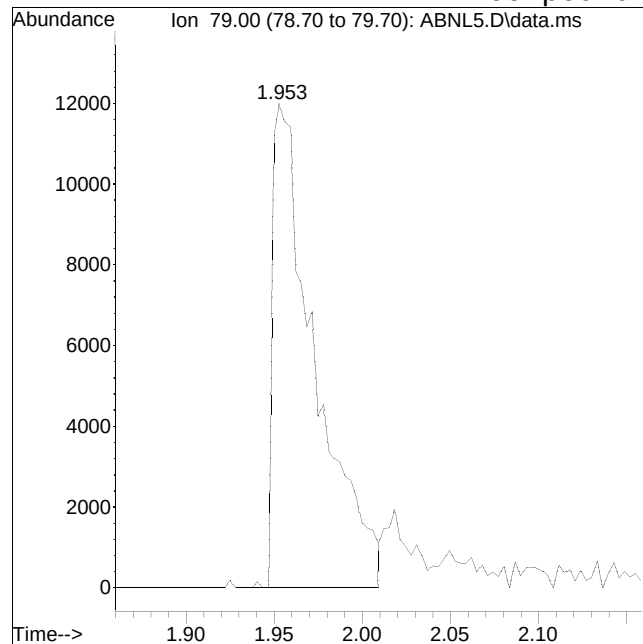


Manual Integration Report

Data Path : I:\8270\Dakota\250821RVTICOM
Data File : ABNL5.D
Date Inj'd : 8/20/2025 2:16 pm
Sample : IL6,32,,ABNL2.5 Lot# 11831

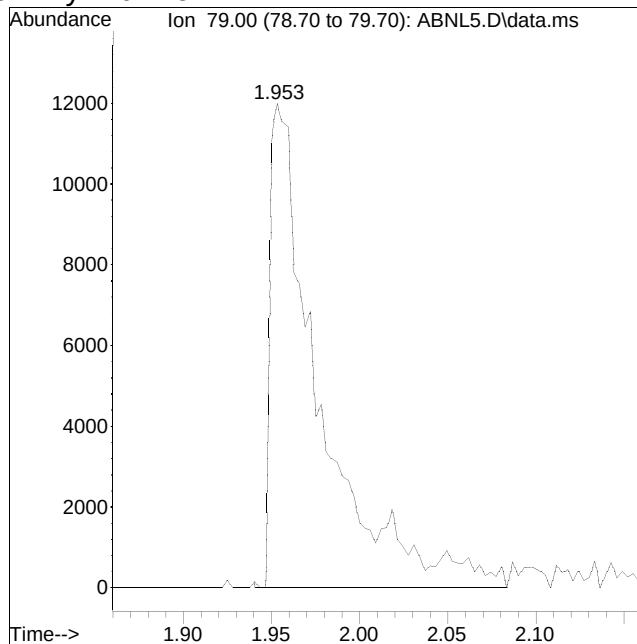
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #3: Pyridine



Original Peak Response = 19904

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

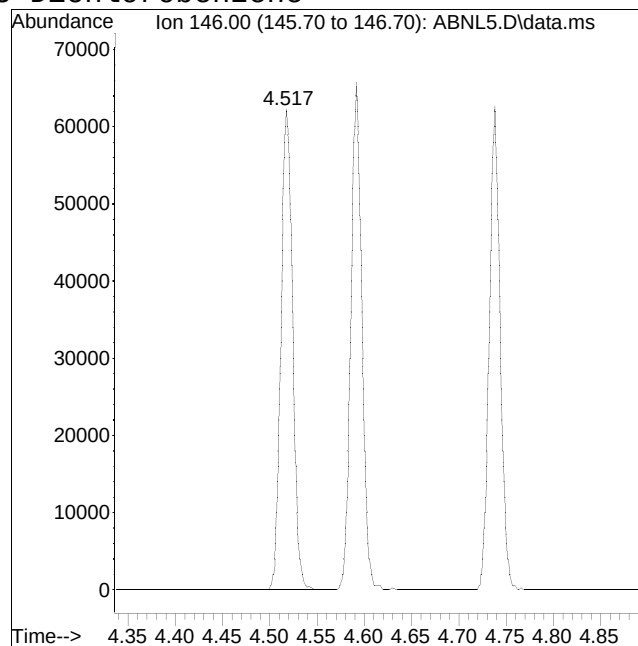
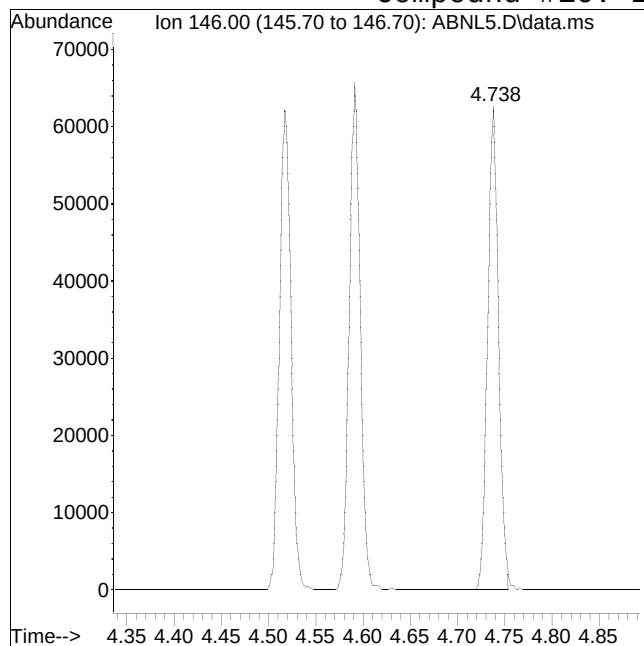


Manual Peak Response = 23244 M1

Manual Integration Report

Data Path : I:\8270\Dakota\250821RVTICQ\data.ms
Data File : ABNL5.D
Date Inj'd : 8/20/2025 2:16 pm
Sample : IL6,32,,ABNL2.5 Lot# 11831
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #10: 1,3-Dichlorobenzene



Original Peak Response = 50148

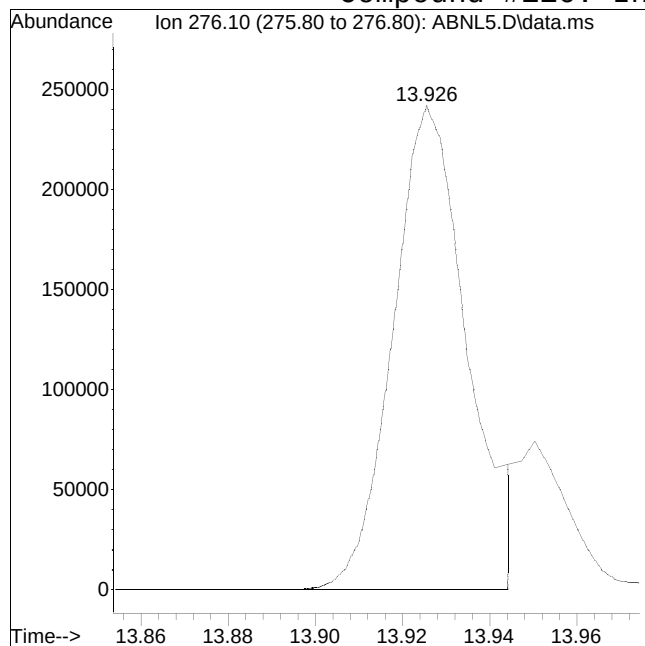
Manual Peak Response = 53390 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

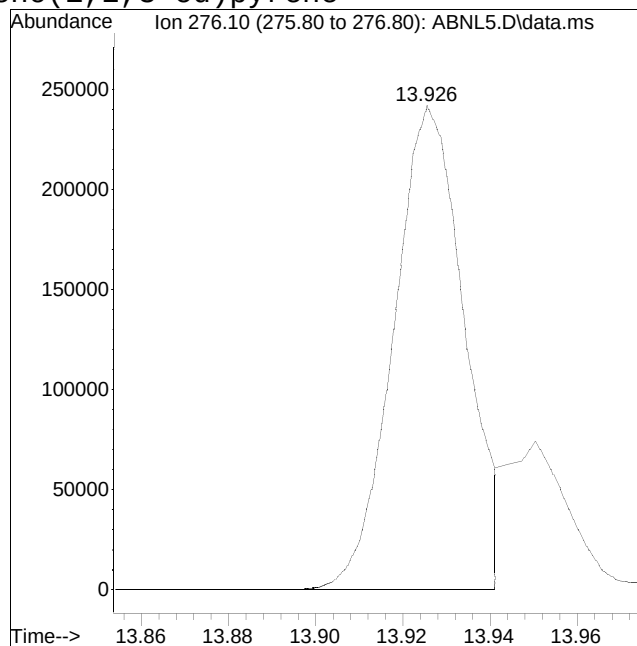
Data Path : I:\8270\Dakota\250820RVTICQ\data
Data File : ABNL5.D
Date Inj'd : 8/20/2025 2:16 pm
Sample : IL6,32,,ABNL2.5 Lot# 11831
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #116: Indeno(1,2,3-cd)pyrene



Original Peak Response = 287171

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 275499 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL4.D
 Acq On : 20 Aug 2025 2:38 pm
 Operator : Dakota:smz
 Sample : IL7,32,,ABNL1 Lot# 11832
 Misc : WG2105679,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 06:07:31 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.573	152	53170	4.000	ug/ml	0.00
Standard Area 1 = 57258			Recovery =	92.86%		
37) IS1_Naphthalene-d8	5.807	136	193817	4.000	ug/ml	# 0.00
Standard Area 1 = 205727			Recovery =	94.21%		
65) IS1_Acenaphthene-d10	7.504	164	136179	4.000	ug/ml	0.00
Standard Area 1 = 152249			Recovery =	89.44%		
90) IS1_Phenanthrene-d10	8.928	188	311880	4.000	ug/ml	0.00
Standard Area 1 = 336420			Recovery =	92.71%		
106) IS1_Chrysene-d12	11.532	240	351499	4.000	ug/ml	0.00
Standard Area 1 = 394707			Recovery =	89.05%		
115) IS1_Perylene-d12	12.978	264	389056	4.000	ug/ml	0.00
Standard Area 1 = 434493			Recovery =	89.54%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.299	112	12833	1.031	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	51.55%		
7) Phenol-d6	4.256	99	15862	0.967	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.35%		
19) Nitrobenzene-d5	5.117	82	15625	0.918	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	91.80%		
48) 2-Fluorobiphenyl	6.876	172	48484	1.008	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	100.80%		
81) 2,4,6-Tribromophenol	8.266	330	7339	0.876	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	43.80%		
98) 4-Terphenyl-d14	10.497	244	81522	0.998	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	99.80%		
Target Compounds						
2) n-Nitrosodimethylamine	1.903	74	8147	0.993	ug/ml	90
3) Pyridine	1.969	79	8986M1	0.931	ug/ml	
5) Aniline	4.256	93	21806	0.998	ug/ml#	50
6) 2-Chlorophenol	4.371	128	14514	0.950	ug/ml#	89
8) Phenol	4.269	94	19004	0.950	ug/ml#	49
9) Bis(2-chloroethyl)ether	4.343	93	13572	1.017	ug/ml	91
10) 1,3-Dichlorobenzene	4.517	146	21329	1.080	ug/ml	95
11) 1,4-Dichlorobenzene	4.592	146	21730	1.062	ug/ml	94
12) 1,2-Dichlorobenzene	4.738	146	21113M3	1.066	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL4.D
 Acq On : 20 Aug 2025 2:38 pm
 Operator : Dakota:smz
 Sample : IL7,32,,ABNL1 Lot# 11832
 Misc : WG2105679,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 06:07:31 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	4.732	79	11606	0.881	ug/ml	97
14)	Bis(2-chloroisopropyl)...	4.878	45	23246	1.070	ug/ml#	68
15)	2-Methylphenol	4.859	108	11958	0.859	ug/ml	99
16)	Hexachloroethane	5.064	117	7866	1.048	ug/ml#	54
17)	n-Nitrosodi-n-propylamine	4.999	70	10499	0.896	ug/ml#	87
18)	3-Methylphenol/4-Methy...	5.015	108	13383	0.898	ug/ml#	95
20)	Nitrobenzene	5.133	77	14781	0.871	ug/ml	96
21)	Isophorone	5.378	82	27738	0.871	ug/ml	97
22)	2-Nitrophenol	5.453	139	6841	0.884	ug/ml#	88
23)	2,4-Dimethylphenol	5.527	107	14825	0.890	ug/ml	99
24)	Bis(2-chloroethoxy)met...	5.615	93	19149	0.972	ug/ml#	93
25)	2,4-Dichlorophenol	5.689	162	16479	0.884	ug/ml#	90
26)	1,2,4-Trichlorobenzene	5.764	180	20546	0.982	ug/ml	92
38)	Naphthalene	5.829	128	49638	1.032	ug/ml#	94
39)	Benzoic Acid	5.577	105	3663M3	0.385	ug/ml	
40)	4-Chloroaniline	5.900	65	6038	1.037	ug/ml	81
41)	Hexachlorobutadiene	5.981	225	13259	1.187	ug/ml	98
42)	p-Chloro-m-cresol	6.395	107	12198	0.856	ug/ml#	88
43)	2-Methylnaphthalene	6.507	142	32512	0.993	ug/ml	94
44)	1-Methylnaphthalene	6.597	115	11935	0.933	ug/ml	97
45)	Hexachlorocyclopentadiene	6.678	237	14528	1.214	ug/ml	92
46)	2,4,6-Trichlorophenol	6.793	196	13521	0.941	ug/ml	93
47)	2,4,5-Trichlorophenol	6.820	196	14366	0.830	ug/ml	99
49)	2-Chloronaphthalene	6.967	162	39828	0.958	ug/ml#	90
50)	2-Nitroaniline	7.078	138	8372	0.755	ug/ml	85
51)	1,4-Dinitrobenzene	7.209	168	4517	0.877	ug/ml	82
52)	1,3-Dinitrobenzene	7.287	168	5261	0.832	ug/ml#	1
53)	Dimethyl phthalate	7.284	163	50837	0.960	ug/ml#	97
54)	Acenaphthylene	7.364	152	62403	0.941	ug/ml	97
55)	2,6-Dinitrotoluene	7.321	165	9272	0.992	ug/ml#	76
56)	1,2-Dinitrobenzene	7.364	168	3179	0.858	ug/ml#	1
66)	3-Nitroaniline	7.476	138	8807	0.895	ug/ml	90
67)	Acenaphthene	7.535	154	35927	0.999	ug/ml	84
68)	2,4-Dinitrophenol	7.579	184	4228	1.286	ug/ml#	72
69)	Dibenzofuran	7.703	168	63394	1.010	ug/ml	88
70)	2,4-Dinitrotoluene	7.709	165	11684	0.913	ug/ml	86
71)	4-Nitrophenol	7.666	65	6497	0.838	ug/ml#	87
72)	2,3,5,6-Tetrachlorophenol	7.793	232	12489	0.938	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL4.D
 Acq On : 20 Aug 2025 2:38 pm
 Operator : Dakota:smz
 Sample : IL7,32,,ABNL1 Lot# 11832
 Misc : WG2105679,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 06:07:31 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73)	2,3,4,6-Tetrachlorophenol	7.834	232	13709	1.009	ug/ml	98
74)	Diethyl phthalate	7.970	149	49630	0.985	ug/ml	100
75)	Fluorene	8.033	166	50544	1.006	ug/ml	94
76)	4-Chlorophenyl phenyl ...	8.054	204	26730	1.056	ug/ml#	79
77)	4-Nitroaniline	8.057	138	8999	0.853	ug/ml#	81
78)	4,6-Dinitro-o-cresol	8.098	198	6569	0.985	ug/ml#	54
79)	NDPA/DPA	8.169	169	42032	0.962	ug/ml	92
80)	Azobenzene	8.204	77	41685	1.025	ug/ml	96
82)	4-Bromophenyl phenyl e...	8.521	248	16998	1.051	ug/ml#	80
83)	Hexachlorobenzene	8.567	284	19455	1.027	ug/ml#	82
84)	Pentachlorophenol	8.763	266	9794	0.920	ug/ml	97
91)	Phenanthrene	8.950	178	86527	0.990	ug/ml	98
92)	Anthracene	8.999	178	83604	0.985	ug/ml	99
93)	Carbazole	9.167	167	75621	0.926	ug/ml	98
94)	Di-n-butylphthalate	9.562	149	75714	0.867	ug/ml	97
95)	Fluoranthene	10.093	202	102767	0.961	ug/ml#	90
96)	Benzidine	10.249	184	47282	0.815	ug/ml#	95
97)	Pyrene	10.305	202	109208	0.961	ug/ml	99
99)	Butyl benzyl phthalate	11.020	149	28965	0.742	ug/ml#	80
107)	Benzo(a)anthracene	11.523	228	110844	0.991	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.526	252	38045	0.950	ug/ml#	96
109)	Chrysene	11.557	228	112881	1.046	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.654	149	44641	0.782	ug/ml#	95
111)	Di-n-octylphthalate	12.322	149	74166	0.781	ug/ml#	74
112)	Benzo(b)fluoranthene	12.611	252	104069	0.986	ug/ml#	92
113)	Benzo(k)fluoranthene	12.639	252	111474	1.051	ug/ml#	92
114)	Benzo(a)pyrene	12.922	252	98999	1.011	ug/ml#	91
116)	Indeno(1,2,3-cd)pyrene	13.926	276	104922	0.975	ug/mL#	84
117)	Dibenzo(a,h)anthracene	13.950	278	110775	1.024	ug/ml#	88
118)	Benzo(ghi)perylene	14.159	276	110631	1.015	ug/ml#	84

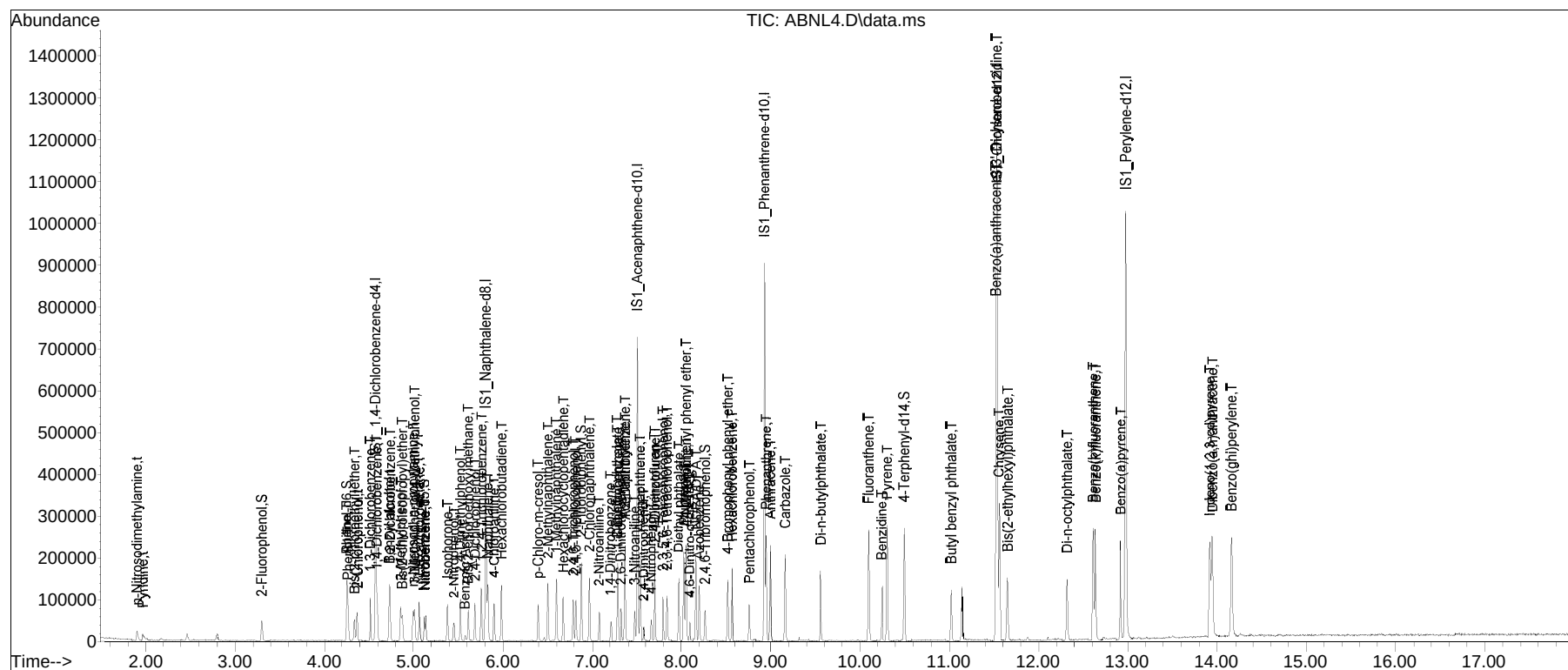
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL4.D
 Acq On : 20 Aug 2025 2:38 pm
 Operator : Dakota:smz
 Sample : IL7,32,,ABNL1 Lot# 11832
 Misc : WG2105679,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 06:07:31 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

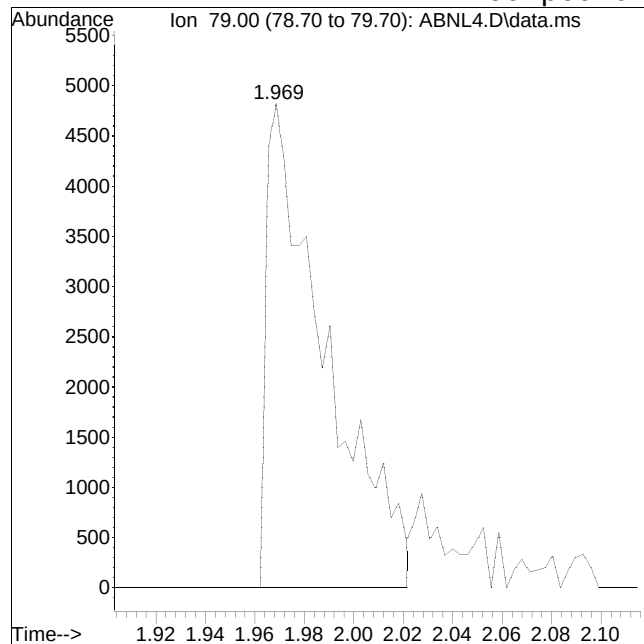
Sub List : ~~ABNL1\8270\ABNL1\250820RVTICAL\AP9L6.D~~•



Manual Integration Report

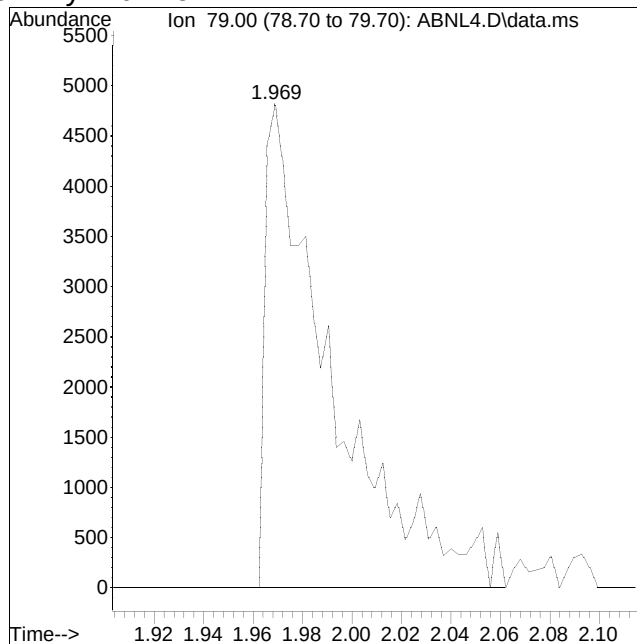
Data Path : I:\8270\Dakota\250820RVTICOM
Data File : ABNL4.D
Date Inj'd : 8/20/2025 2:38 pm
Sample : IL7,32,,ABNL1 Lot# 11832
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #3: Pyridine



Original Peak Response = 7932

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

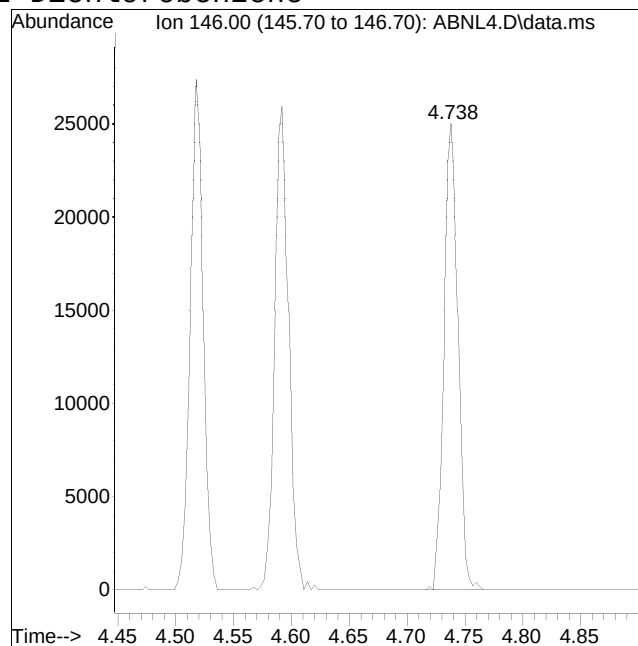
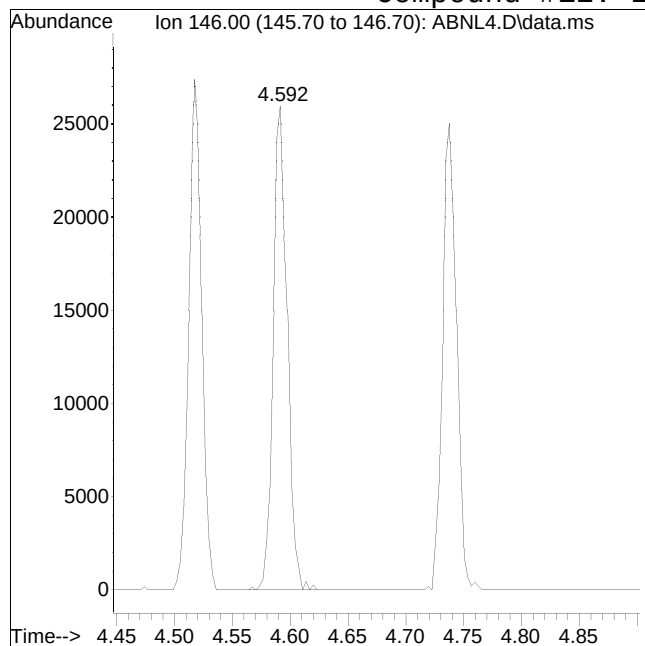


Manual Peak Response = 8986 M1

Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQ\data.ms
Data File : ABNL4.D
Date Inj'd : 8/20/2025 2:38 pm
Sample : IL7,32,,ABNL1 Lot# 11832
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #12: 1,2-Dichlorobenzene



Original Peak Response = 21730

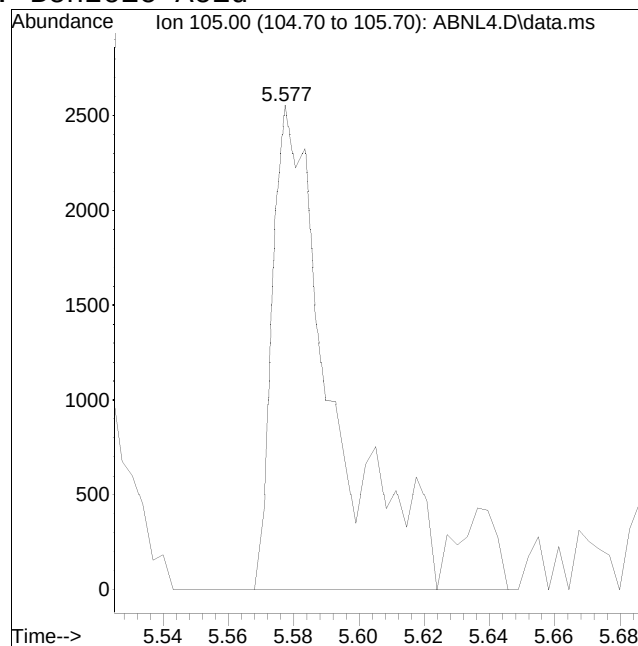
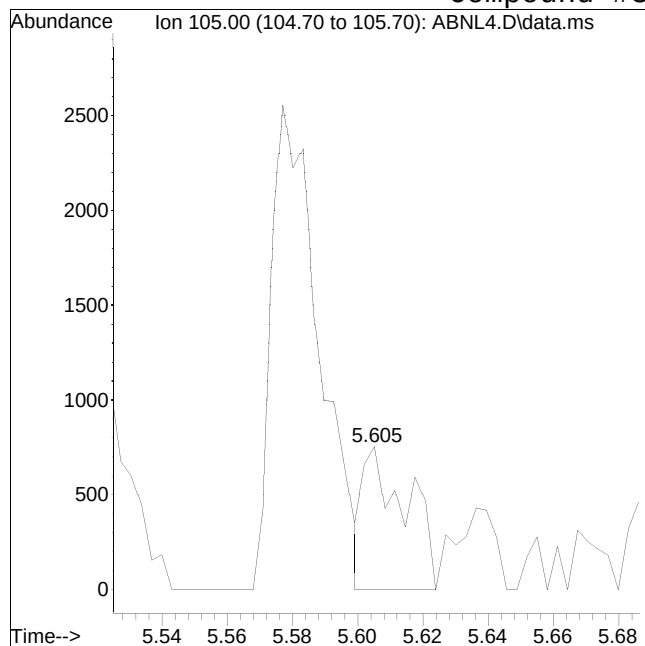
Manual Peak Response = 21113 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQ\data.ms
Data File : ABNL4.D
Date Inj'd : 8/20/2025 2:38 pm
Sample : IL7,32,,ABNL1 Lot# 11832
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #39: Benzoic Acid



Original Peak Response = 700

Manual Peak Response = 3663 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL3.D
 Acq On : 20 Aug 2025 3:01 pm
 Operator : Dakota:smz
 Sample : IL8,32,,ABNL0.5 Lot# 11833
 Misc : WG2105679,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 06:05:43 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.576	152	51247	4.000	ug/ml	0.00
Standard Area 1 = 57258			Recovery =	89.50%		
37) IS1_Naphthalene-d8	5.807	136	182324	4.000	ug/ml	0.00
Standard Area 1 = 205727			Recovery =	88.62%		
65) IS1_Acenaphthene-d10	7.504	164	123838	4.000	ug/ml	0.00
Standard Area 1 = 152249			Recovery =	81.34%		
90) IS1_Phenanthrene-d10	8.928	188	279816	4.000	ug/ml	0.00
Standard Area 1 = 336420			Recovery =	83.17%		
106) IS1_Chrysene-d12	11.532	240	318781	4.000	ug/ml	# 0.00
Standard Area 1 = 394707			Recovery =	80.76%		
115) IS1_Perylene-d12	12.978	264	371755	4.000	ug/ml	0.00
Standard Area 1 = 434493			Recovery =	85.56%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.299	112	5805	0.484	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	24.20%		
7) Phenol-d6	4.256	99	8595	0.543	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	27.15%		
19) Nitrobenzene-d5	5.117	82	6578	0.401	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	40.10%		
48) 2-Fluorobiphenyl	6.876	172	22872	0.506	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	50.60%		
81) 2,4,6-Tribromophenol	8.266	330	3545	0.466	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	23.30%		
98) 4-Terphenyl-d14	10.497	244	37342	0.509	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	50.90%		
Target Compounds						
2) n-Nitrosodimethylamine	1.910	74	3904	0.494	ug/ml#	90
3) Pyridine	1.984	79	4309M1	0.463	ug/ml	
5) Aniline	4.256	93	9726	0.462	ug/ml#	43
6) 2-Chlorophenol	4.368	128	7065	0.480	ug/ml#	87
8) Phenol	4.272	94	8693	0.451	ug/ml#	45
9) Bis(2-chloroethyl)ether	4.340	93	6680	0.519	ug/ml	97
10) 1,3-Dichlorobenzene	4.517	146	10222	0.537	ug/ml	96
11) 1,4-Dichlorobenzene	4.592	146	10610	0.538	ug/ml	98
12) 1,2-Dichlorobenzene	4.738	146	9658	0.506	ug/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL3.D
 Acq On : 20 Aug 2025 3:01 pm
 Operator : Dakota:smz
 Sample : IL8,32,,ABNL0.5 Lot# 11833
 Misc : WG2105679,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 06:05:43 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.729	79	5711	0.450	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.875	45	11495	0.549	ug/ml#	70
15) 2-Methylphenol	4.859	108	6298	0.469	ug/ml	94
16) Hexachloroethane	5.067	117	3746	0.518	ug/ml#	43
17) n-Nitrosodi-n-propylamine	5.002	70	5206	0.461	ug/ml#	74
18) 3-Methylphenol/4-Methy...	5.015	108	6593	0.459	ug/ml	100
20) Nitrobenzene	5.136	77	7422	0.454	ug/ml	92
21) Isophorone	5.378	82	13239	0.432	ug/ml	95
22) 2-Nitrophenol	5.450	139	2885	0.387	ug/ml	89
23) 2,4-Dimethylphenol	5.527	107	6738	0.420	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.614	93	9284	0.489	ug/ml#	93
25) 2,4-Dichlorophenol	5.686	162	7266	0.405	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.764	180	9891	0.490	ug/ml	97
38) Naphthalene	5.829	128	23656	0.523	ug/ml	98
39) Benzoic Acid	5.593	105	1192M1	0.133	ug/ml	
40) 4-Chloroaniline	5.897	65	3188	0.582	ug/ml	94
41) Hexachlorobutadiene	5.981	225	6073	0.578	ug/ml	100
42) p-Chloro-m-cresol	6.395	107	5527	0.412	ug/ml#	81
43) 2-Methylnaphthalene	6.506	142	15962	0.518	ug/ml	99
44) 1-Methylnaphthalene	6.600	115	5965	0.496	ug/ml	94
45) Hexachlorocyclopentadiene	6.674	237	6919	0.614	ug/ml#	94
46) 2,4,6-Trichlorophenol	6.792	196	6367	0.471	ug/ml	94
47) 2,4,5-Trichlorophenol	6.820	196	6590	0.405	ug/ml	95
49) 2-Chloronaphthalene	6.966	162	18885	0.483	ug/ml#	89
50) 2-Nitroaniline	7.078	138	4073	0.390	ug/ml#	82
51) 1,4-Dinitrobenzene	7.212	168	2204M3	0.455	ug/ml	
52) 1,3-Dinitrobenzene	7.287	168	2243	0.377	ug/ml#	1
53) Dimethyl phthalate	7.284	163	22966	0.461	ug/ml#	95
54) Acenaphthylene	7.364	152	28143	0.451	ug/ml	96
55) 2,6-Dinitrotoluene	7.324	165	3976	0.452	ug/ml#	76
56) 1,2-Dinitrobenzene	7.361	168	1518	0.435	ug/ml#	1
66) 3-Nitroaniline	7.476	138	3965	0.443	ug/ml#	89
67) Acenaphthene	7.535	154	17226	0.527	ug/ml	87
68) 2,4-Dinitrophenol	7.579	184	1958	0.928	ug/ml#	66
69) Dibenzofuran	7.703	168	30259	0.530	ug/ml	90
70) 2,4-Dinitrotoluene	7.706	165	5469	0.470	ug/ml	91
71) 4-Nitrophenol	7.666	65	2796	0.397	ug/ml#	70
72) 2,3,5,6-Tetrachlorophenol	7.793	232	6237	0.515	ug/ml	91

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL3.D
 Acq On : 20 Aug 2025 3:01 pm
 Operator : Dakota:smz
 Sample : IL8,32,,ABNL0.5 Lot# 11833
 Misc : WG2105679,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 06:05:43 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73)	2,3,4,6-Tetrachlorophenol	7.837	232	5965	0.483	ug/ml	98
74)	Diethyl phthalate	7.970	149	21945	0.479	ug/ml	98
75)	Fluorene	8.033	166	23502	0.514	ug/ml	94
76)	4-Chlorophenyl phenyl ...	8.054	204	12666	0.550	ug/ml#	84
77)	4-Nitroaniline	8.057	138	3974	0.414	ug/ml#	84
78)	4,6-Dinitro-o-cresol	8.095	198	2691	0.444	ug/ml#	57
79)	NDPA/DPA	8.169	169	20122	0.507	ug/ml	93
80)	Azobenzene	8.204	77	18382	0.497	ug/ml	95
82)	4-Bromophenyl phenyl e...	8.521	248	8260	0.562	ug/ml#	76
83)	Hexachlorobenzene	8.567	284	9312	0.540	ug/ml#	86
84)	Pentachlorophenol	8.760	266	4388	0.453	ug/ml	95
91)	Phenanthrene	8.949	178	41194	0.526	ug/ml	99
92)	Anthracene	8.996	178	39296	0.516	ug/ml	99
93)	Carbazole	9.167	167	35357	0.483	ug/ml	97
94)	Di-n-butylphthalate	9.559	149	35024	0.447	ug/ml	97
95)	Fluoranthene	10.093	202	47974	0.500	ug/ml#	90
96)	Benzidine	10.249	184	21690	0.417	ug/ml#	94
97)	Pyrene	10.305	202	52550	0.515	ug/ml	99
99)	Butyl benzyl phthalate	11.019	149	13722	0.392	ug/ml#	77
107)	Benzo(a)anthracene	11.523	228	49570	0.489	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.526	252	17721	0.488	ug/ml	98
109)	Chrysene	11.557	228	55083	0.563	ug/ml	97
110)	Bis(2-ethylhexyl)phtha...	11.653	149	20869	0.403	ug/ml#	95
111)	Di-n-octylphthalate	12.322	149	33799	0.392	ug/ml#	72
112)	Benzo(b)fluoranthene	12.611	252	55457	0.579	ug/ml#	93
113)	Benzo(k)fluoranthene	12.636	252	52931	0.550	ug/ml#	93
114)	Benzo(a)pyrene	12.922	252	46193	0.520	ug/ml#	90
116)	Indeno(1,2,3-cd)pyrene	13.926	276	52400	0.509	ug/mL#	86
117)	Dibenzo(a,h)anthracene	13.950	278	54383	0.526	ug/ml#	88
118)	Benzo(ghi)perylene	14.159	276	54813	0.526	ug/ml#	86

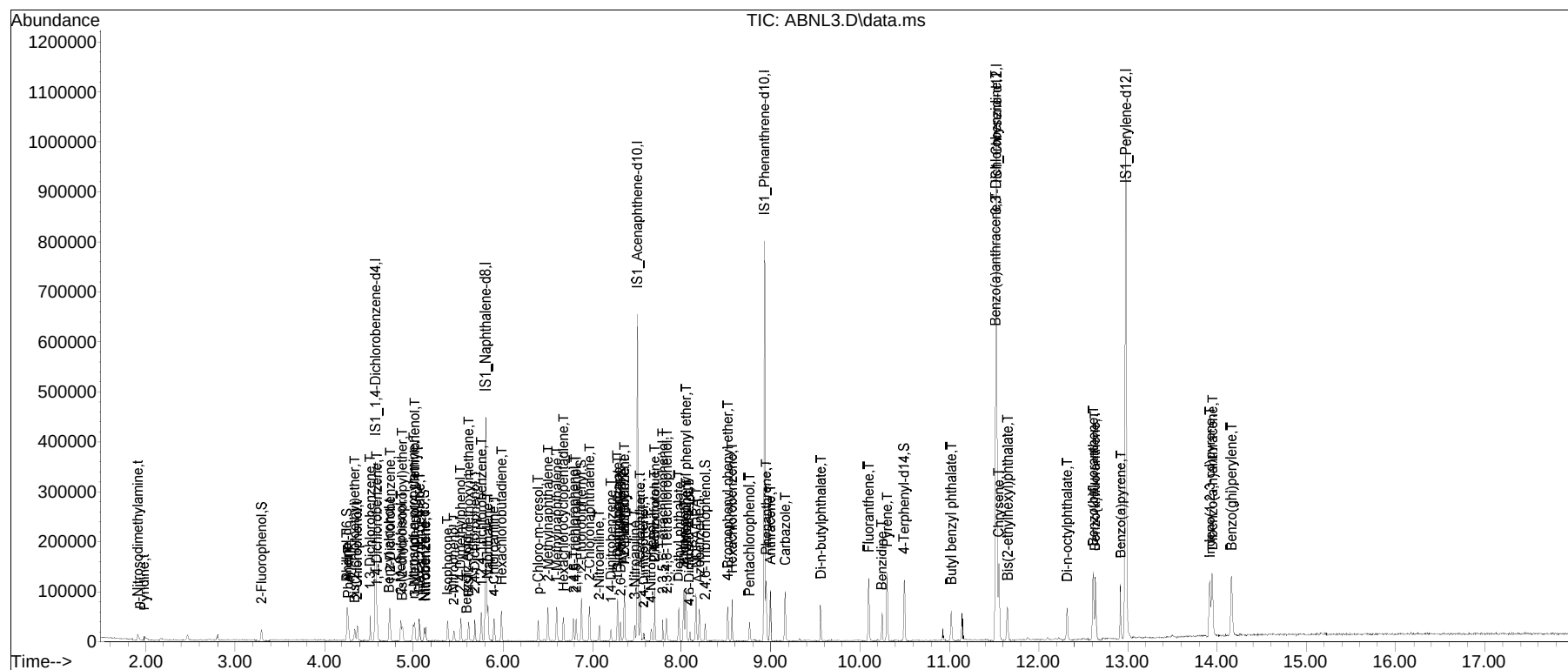
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

```
Data Path   : I:\8270\Dakota\250820\RTICAL\
Data File  : ABNL3.D
Acq On     : 20 Aug 2025    3:01 pm
Operator   : Dakota:smz
Sample     : IL8,32,,ABNL0.5 Lot# 11833
Misc       : WG2105679,,
ALS Vial   : 7    Sample Multiplier: 1
```

Quant Time: Aug 21 06:05:43 2025
Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 21 05:46:21 2025
Response via : Initial Calibration

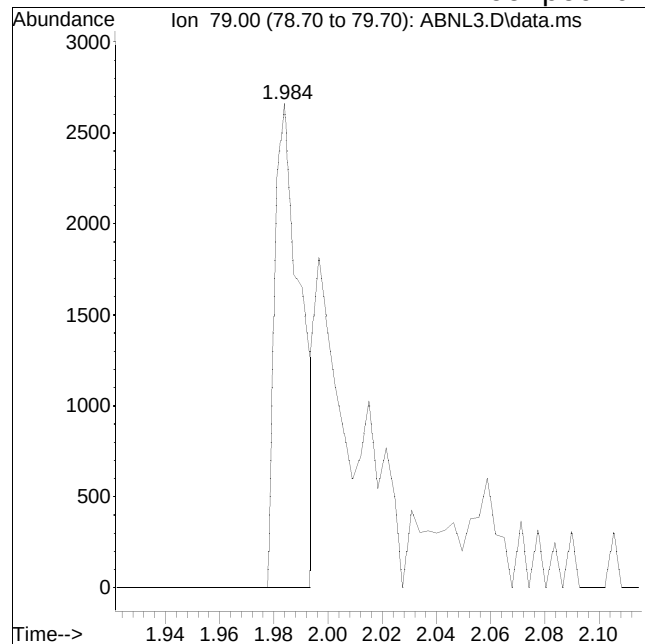
Sub List : ABNITa\8270ABNakoah\850820RVTICAL\AP9L6.D•



Manual Integration Report

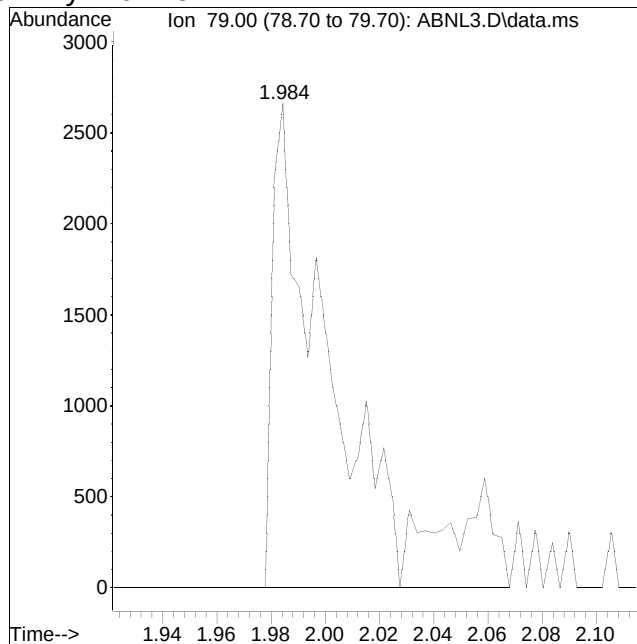
Data Path : I:\8270\Dakota\250821RVTICOM
Data File : ABNL3.D
Date Inj'd : 8/20/2025 3:01 pm
Sample : IL8, 32,, ABNL0.5 Lot# 11833
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #3: Pyridine



Original Peak Response = 1778

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

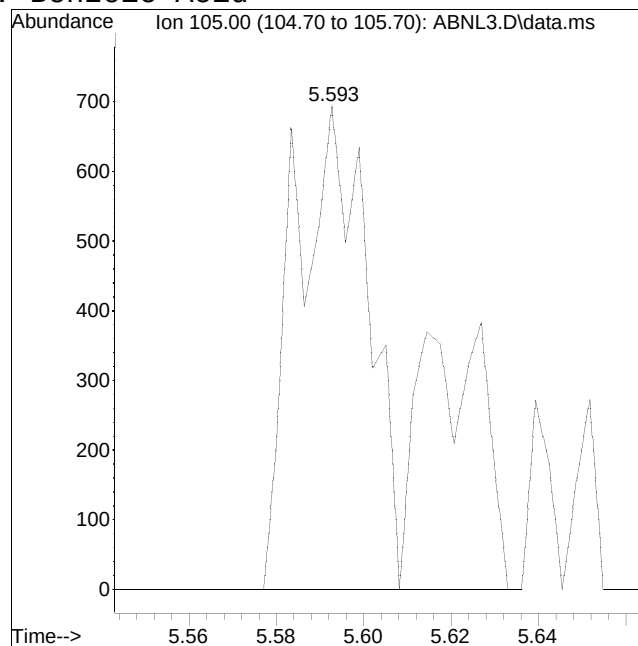
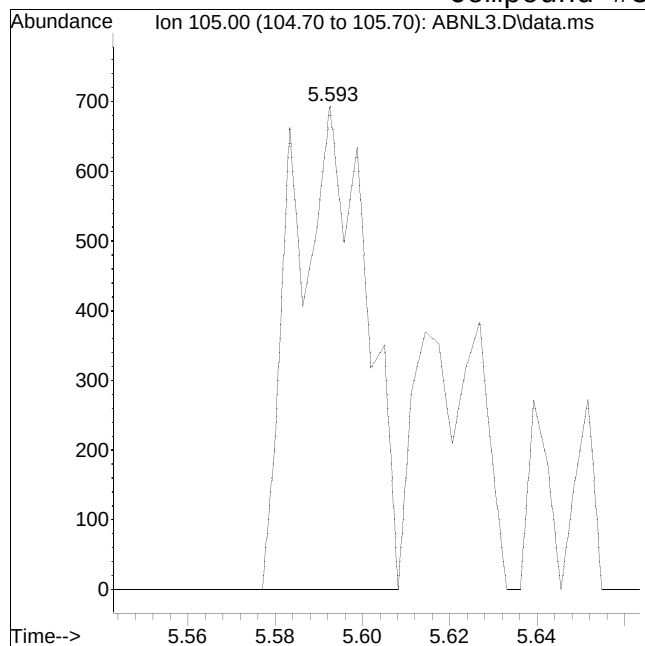


Manual Peak Response = 4309 M1

Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQ\data.ms
Data File : ABNL3.D
Date Inj'd : 8/20/2025 3:01 pm
Sample : IL8,32,,ABNL0.5 Lot# 11833
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #39: Benzoic Acid



Original Peak Response = 803

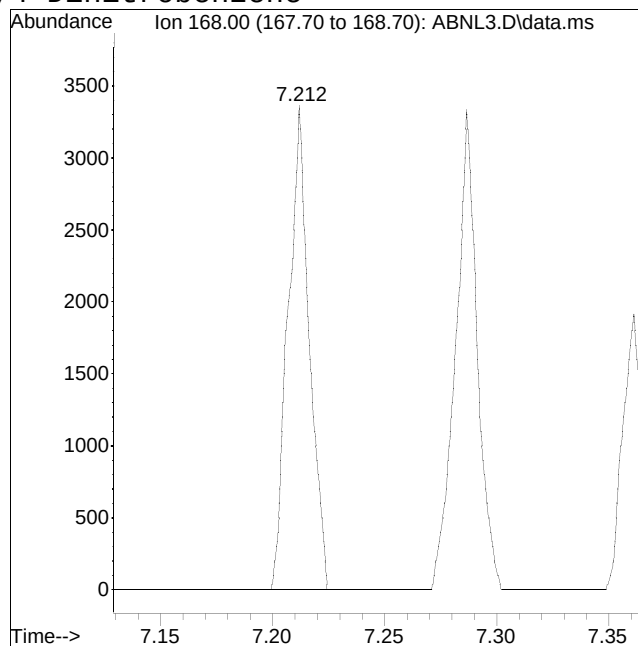
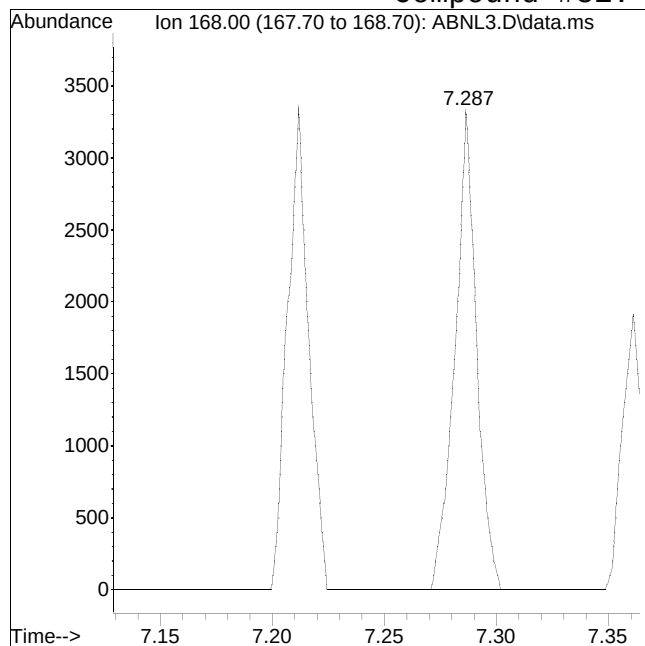
Manual Peak Response = 1192 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQ\data.ms
Data File : ABNL3.D
Date Inj'd : 8/20/2025 3:01 pm
Sample : IL8,32,,ABNL0.5 Lot# 11833
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #51: 1,4-Dinitrobenzene



Original Peak Response = 2243

Manual Peak Response = 2204 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL2.D
 Acq On : 20 Aug 2025 3:23 pm
 Operator : Dakota:smz
 Sample : IL9,32,,ABNL0.2 Lot# 11834
 Misc : WG2105679,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 09:39:03 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.576	152	50780	4.000	ug/ml	0.00
Standard Area 1 = 57258			Recovery =	88.69%		
37) IS1_Naphthalene-d8	5.807	136	177327	4.000	ug/ml	# 0.00
Standard Area 1 = 205727			Recovery =	86.20%		
65) IS1_Acenaphthene-d10	7.504	164	118374	4.000	ug/ml	0.00
Standard Area 1 = 152249			Recovery =	77.75%		
90) IS1_Phenanthrene-d10	8.928	188	269998	4.000	ug/ml	0.00
Standard Area 1 = 336420			Recovery =	80.26%		
106) IS1_Chrysene-d12	11.532	240	298594	4.000	ug/ml	# 0.00
Standard Area 1 = 394707			Recovery =	75.65%		
115) IS1_Perylene-d12	12.977	264	351808	4.000	ug/ml	0.00
Standard Area 1 = 434493			Recovery =	80.97%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.302	112	1973	0.166	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	8.30%#		
7) Phenol-d6	4.256	99	3085	0.197	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	9.85%#		
19) Nitrobenzene-d5	5.117	82	2328	0.143	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	14.30%#		
48) 2-Fluorobiphenyl	6.876	172	8720	0.198	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	19.80%#		
81) 2,4,6-Tribromophenol	8.269	330	1550	0.213	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	10.65%#		
98) 4-Terphenyl-d14	10.497	244	12862	0.182	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	18.20%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.919	74	1519	0.194	ug/ml#	89
3) Pyridine	2.021	79	1551M1	0.168	ug/ml	
5) Aniline	4.259	93	3496	0.168	ug/ml#	72
6) 2-Chlorophenol	4.371	128	2626	0.180	ug/ml	95
8) Phenol	4.272	94	3248	0.170	ug/ml#	76
9) Bis(2-chloroethyl)ether	4.343	93	2571	0.202	ug/ml	95
10) 1,3-Dichlorobenzene	4.520	146	3924	0.208	ug/ml	94
11) 1,4-Dichlorobenzene	4.595	146	4233M3	0.217	ug/ml	
12) 1,2-Dichlorobenzene	4.738	146	3904M3	0.206	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL2.D
 Acq On : 20 Aug 2025 3:23 pm
 Operator : Dakota:smz
 Sample : IL9,32,,ABNL0.2 Lot# 11834
 Misc : WG2105679,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 09:39:03 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	4.732	79	1810	0.144	ug/ml#	89
14)	Bis(2-chloroisopropyl)...	4.875	45	4887	0.236	ug/ml#	80
15)	2-Methylphenol	4.859	108	1981	0.149	ug/ml	95
16)	Hexachloroethane	5.067	117	1541	0.215	ug/ml#	62
17)	n-Nitrosodi-n-propylamine	5.002	70	1761	0.157	ug/ml#	59
18)	3-Methylphenol/4-Methy...	5.018	108	2663	0.187	ug/ml#	85
20)	Nitrobenzene	5.133	77	2522	0.156	ug/ml#	90
21)	Isophorone	5.378	82	4951	0.163	ug/ml#	89
22)	2-Nitrophenol	5.453	139	893	0.121	ug/ml#	84
23)	2,4-Dimethylphenol	5.524	107	2370	0.149	ug/ml	94
24)	Bis(2-chloroethoxy)met...	5.617	93	3430	0.182	ug/ml#	87
25)	2,4-Dichlorophenol	5.689	162	2654	0.149	ug/ml	94
26)	1,2,4-Trichlorobenzene	5.764	180	3479	0.174	ug/ml	96
38)	Naphthalene	5.829	128	8826	0.201	ug/ml#	95
39)	Benzoic Acid	0.000		0	N.D.		
40)	4-Chloroaniline	5.900	65	1009	0.189	ug/ml#	66
41)	Hexachlorobutadiene	5.978	225	2303	0.225	ug/ml	92
42)	p-Chloro-m-cresol	6.394	107	2528	0.194	ug/ml#	77
43)	2-Methylnaphthalene	6.503	142	5619	0.188	ug/ml	96
44)	1-Methylnaphthalene	6.600	115	2149	0.184	ug/ml	92
45)	Hexachlorocyclopentadiene	6.674	237	2466	0.225	ug/ml#	94
46)	2,4,6-Trichlorophenol	6.789	196	2096	0.159	ug/ml#	86
47)	2,4,5-Trichlorophenol	6.817	196	2337	0.148	ug/ml#	78
49)	2-Chloronaphthalene	6.966	162	6927	0.182	ug/ml#	92
50)	2-Nitroaniline	7.078	138	1479	0.146	ug/ml#	88
51)	1,4-Dinitrobenzene	7.212	168	778M3	0.165	ug/ml	
52)	1,3-Dinitrobenzene	7.283	168	760	0.131	ug/ml#	1
53)	Dimethyl phthalate	7.283	163	8229	0.170	ug/ml#	96
54)	Acenaphthylene	7.361	152	10365	0.171	ug/ml	95
55)	2,6-Dinitrotoluene	7.324	165	1191	0.139	ug/ml#	84
56)	1,2-Dinitrobenzene	7.361	168	493M3	0.145	ug/ml	
66)	3-Nitroaniline	7.476	138	1164	0.136	ug/ml#	93
67)	Acenaphthene	7.535	154	6384	0.204	ug/ml	83
68)	2,4-Dinitrophenol	0.000		0	N.D.	d	
69)	Dibenzofuran	7.706	168	11380	0.209	ug/ml	89
70)	2,4-Dinitrotoluene	7.706	165	1871	0.168	ug/ml#	87
71)	4-Nitrophenol	7.666	65	1117	0.166	ug/ml#	81
72)	2,3,5,6-Tetrachlorophenol	7.793	232	2082	0.180	ug/ml	90

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL2.D
 Acq On : 20 Aug 2025 3:23 pm
 Operator : Dakota:smz
 Sample : IL9,32,,ABNL0.2 Lot# 11834
 Misc : WG2105679,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 09:39:03 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73)	2,3,4,6-Tetrachlorophenol	7.837	232	2081M3	0.176	ug/ml	
74)	Diethyl phthalate	7.970	149	7995	0.183	ug/ml	97
75)	Fluorene	8.032	166	8478	0.194	ug/ml	89
76)	4-Chlorophenyl phenyl ...	8.054	204	4640	0.211	ug/ml#	83
77)	4-Nitroaniline	8.057	138	1308	0.143	ug/ml#	85
78)	4,6-Dinitro-o-cresol	8.101	198	899	0.155	ug/ml#	6
79)	NDPA/DPA	8.169	169	7178	0.189	ug/ml#	86
80)	Azobenzene	8.203	77	6612	0.187	ug/ml	96
82)	4-Bromophenyl phenyl e...	8.520	248	2979	0.212	ug/ml#	75
83)	Hexachlorobenzene	8.570	284	3441	0.209	ug/ml	90
84)	Pentachlorophenol	8.763	266	1337	0.144	ug/ml	95
91)	Phenanthrene	8.949	178	16258	0.215	ug/ml#	93
92)	Anthracene	8.999	178	13512	0.184	ug/ml#	93
93)	Carbazole	9.167	167	13385	0.189	ug/ml	97
94)	Di-n-butylphthalate	9.562	149	12114	0.160	ug/ml#	98
95)	Fluoranthene	10.093	202	17064	0.184	ug/ml#	90
96)	Benzidine	10.245	184	4810	0.096	ug/ml#	82
97)	Pyrene	10.308	202	18655	0.190	ug/ml	98
99)	Butyl benzyl phthalate	11.019	149	4787	0.142	ug/ml#	77
107)	Benzo(a)anthracene	11.523	228	17528	0.185	ug/ml	95
108)	3,3'-Dichlorobenzidine	11.526	252	5948	0.175	ug/ml#	95
109)	Chrysene	11.557	228	19991	0.218	ug/ml	99
110)	Bis(2-ethylhexyl)phtha...	11.650	149	6802	0.140	ug/ml#	97
111)	Di-n-octylphthalate	12.322	149	11493	0.142	ug/ml#	74
112)	Benzo(b)fluoranthene	12.611	252	19008	0.212	ug/ml#	95
113)	Benzo(k)fluoranthene	12.639	252	18122	0.201	ug/ml#	92
114)	Benzo(a)pyrene	12.918	252	15747	0.189	ug/ml#	89
116)	Indeno(1,2,3-cd)pyrene	13.922	276	18559M6	0.191	ug/mL	
117)	Dibenzo(a,h)anthracene	13.950	278	18079	0.185	ug/ml#	86
118)	Benzo(ghi)perylene	14.159	276	20753	0.211	ug/ml#	83

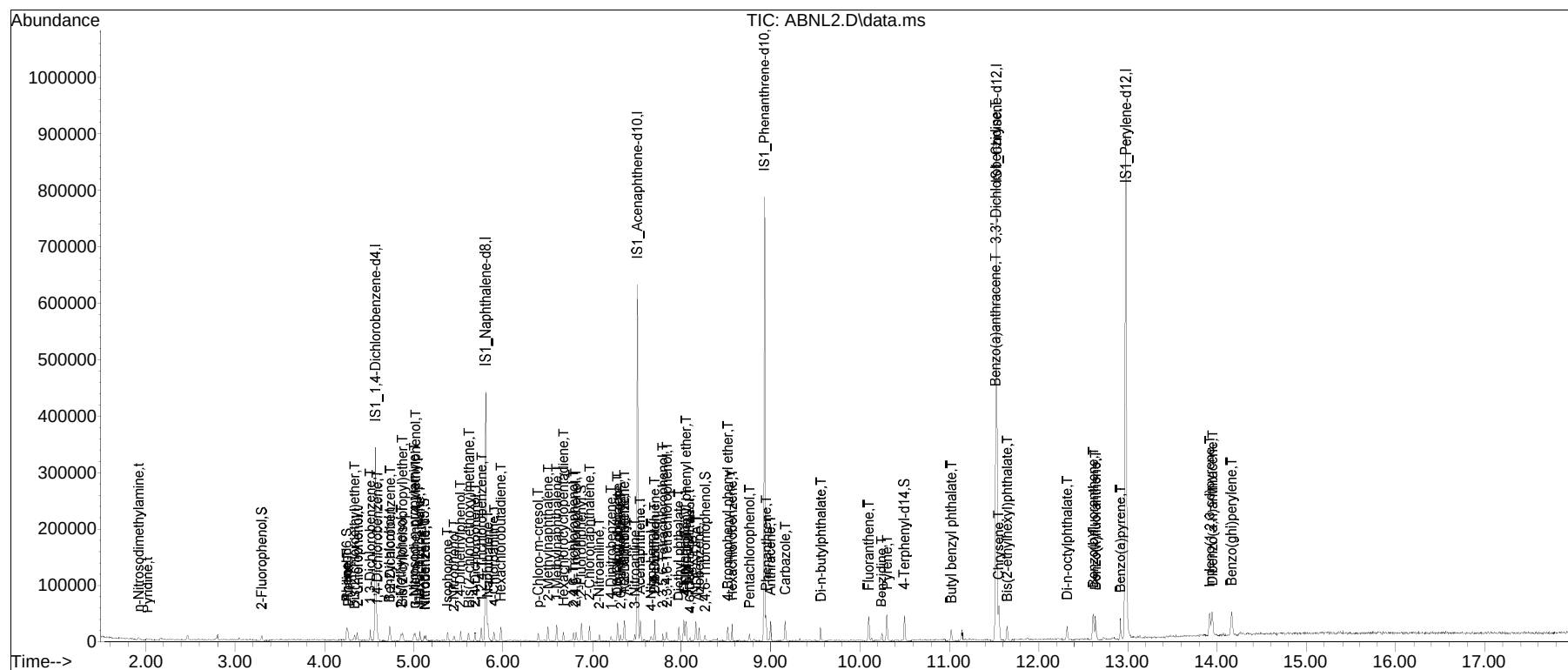
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL2.D
 Acq On : 20 Aug 2025 3:23 pm
 Operator : Dakota:smz
 Sample : IL9,32,,ABNL0.2 Lot# 11834
 Misc : WG2105679,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 09:39:03 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

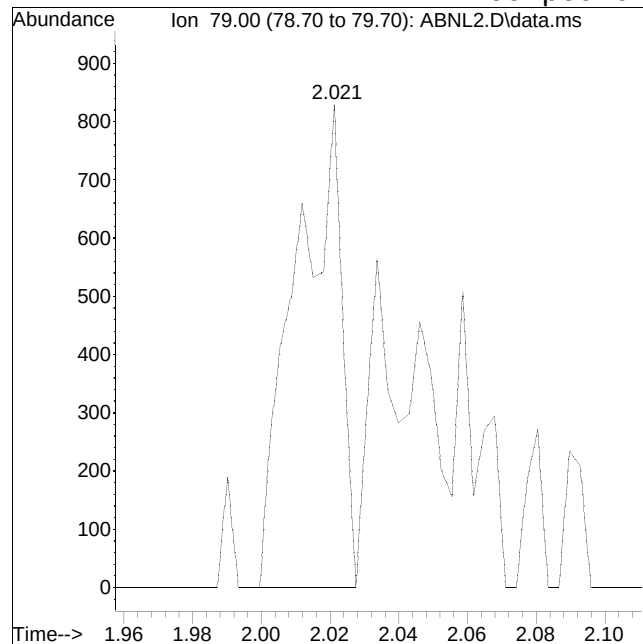
Sub List : ~~ABNL2.D~~ I:\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

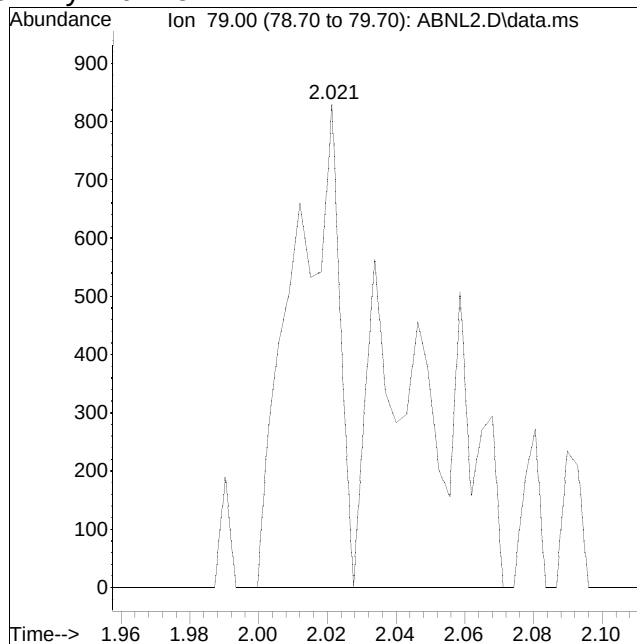
Data Path : I:\8270\Dakota\250821RVTICOM
Data File : ABNL2.D
Date Inj'd : 8/20/2025 3:23 pm
Sample : IL9,32,,ABNL0.2 Lot# 11834
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:49 am

Compound #3: Pyridine



Original Peak Response = 768

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

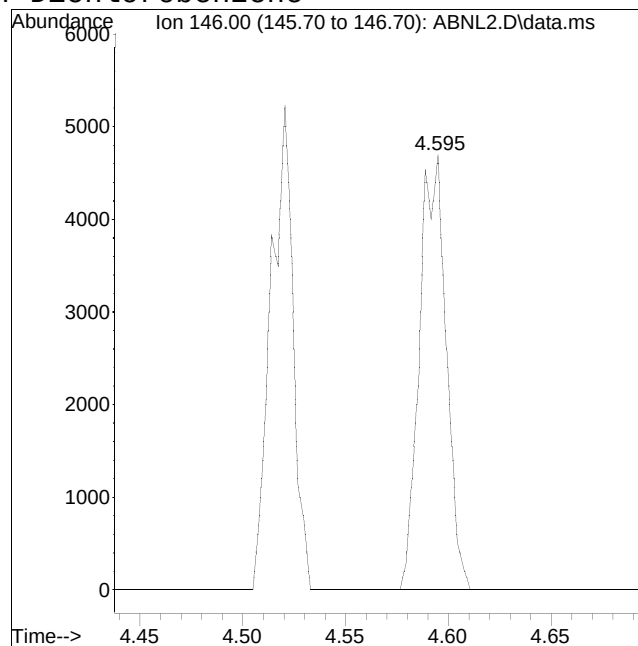
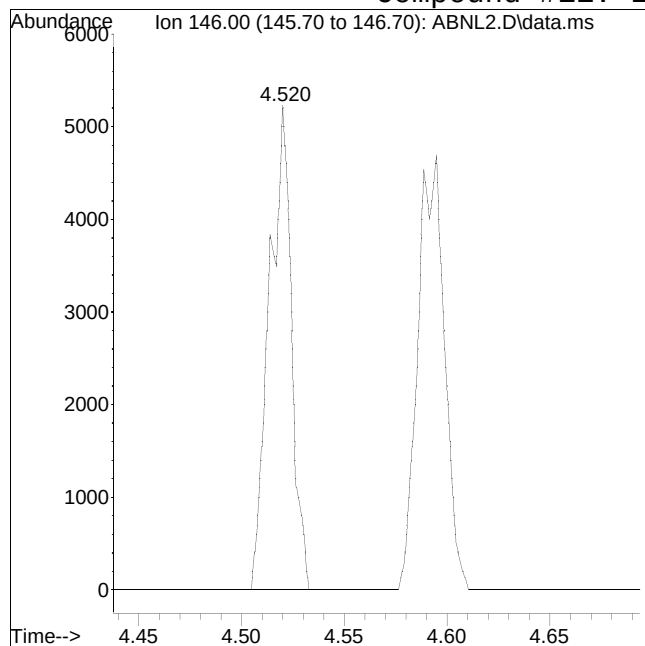


Manual Peak Response = 1551 M1

Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICAM
Data File : ABNL2.D
Date Inj'd : 8/20/2025 3:23 pm
Sample : IL9,32,,ABNL0.2 Lot# 11834
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:49 am

Compound #11: 1,4-Dichlorobenzene



Original Peak Response = 3924

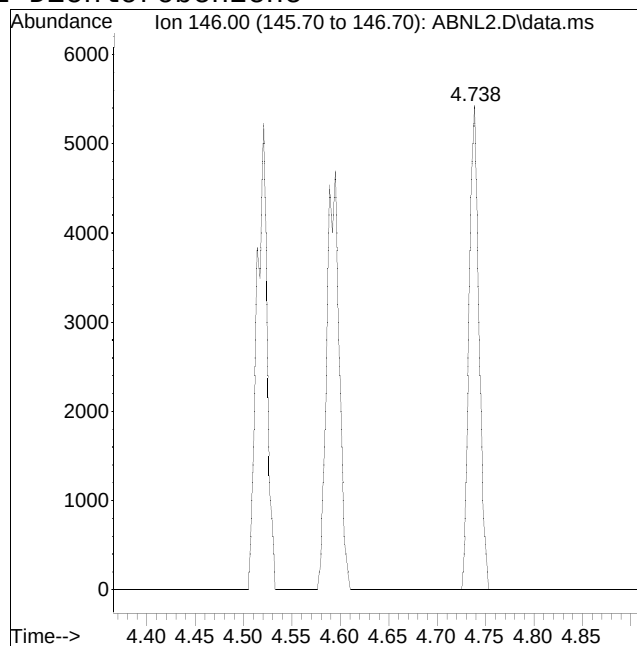
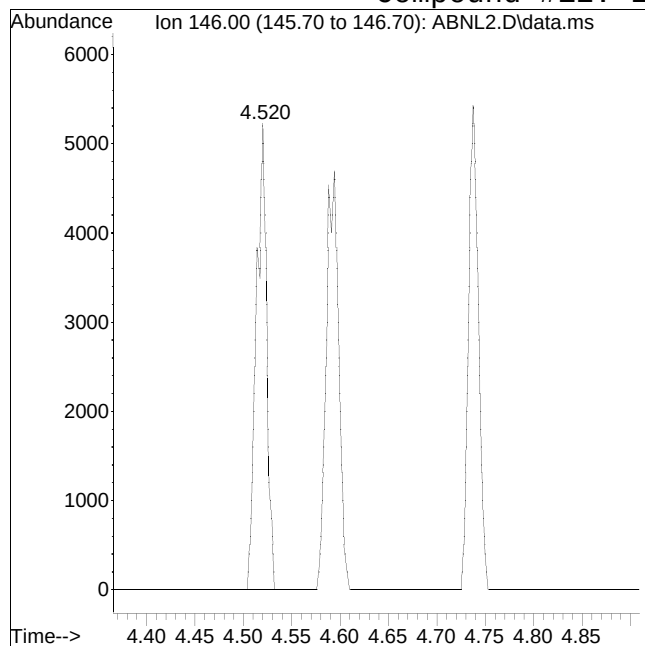
Manual Peak Response = 4233 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\250821RVTICQ\data.ms
Data File : ABNL2.D
Date Inj'd : 8/20/2025 3:23 pm
Sample : IL9,32,,ABNL0.2 Lot# 11834
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:49 am

Compound #12: 1,2-Dichlorobenzene



Original Peak Response = 3924

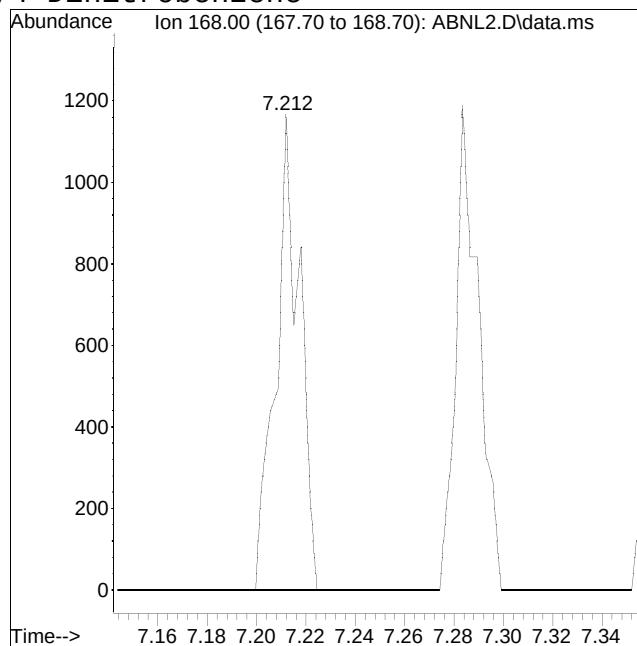
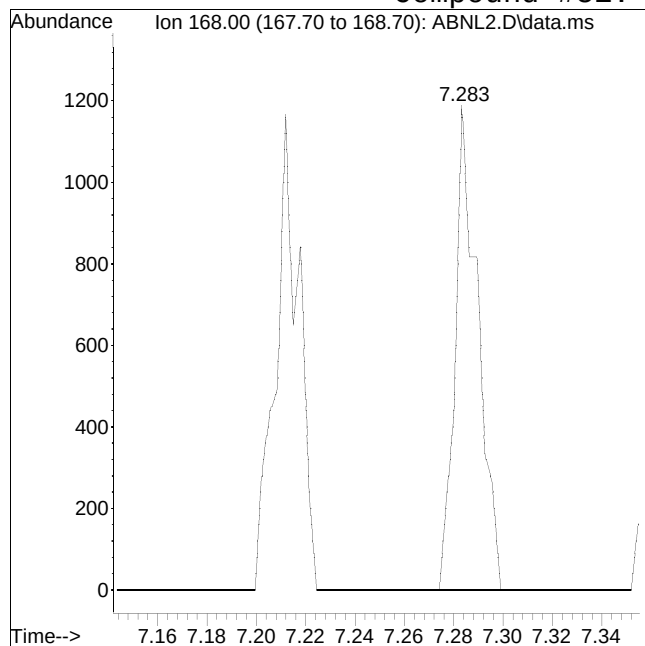
Manual Peak Response = 3904 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\250821RVTICQ1
Data File : ABNL2.D
Date Inj'd : 8/20/2025 3:23 pm
Sample : IL9,32,,ABNL0.2 Lot# 11834
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:49 am

Compound #51: 1,4-Dinitrobenzene



Original Peak Response = 760

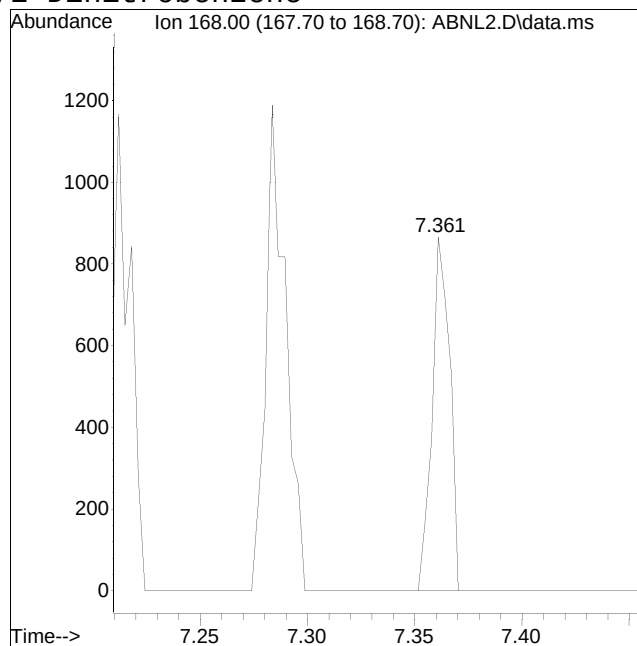
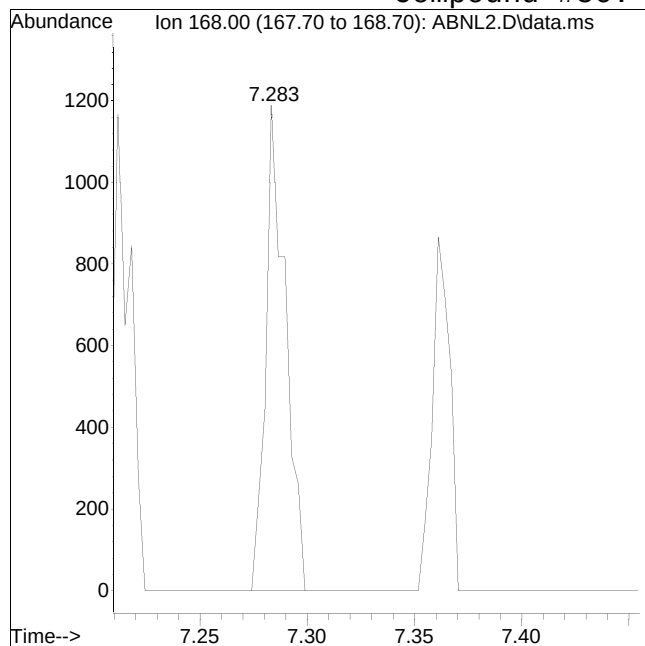
Manual Peak Response = 778 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQ\data.ms
Data File : ABNL2.D
Date Inj'd : 8/20/2025 3:23 pm
Sample : IL9,32,,ABNL0.2 Lot# 11834
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:49 am

Compound #56: 1,2-Dinitrobenzene



Original Peak Response = 760

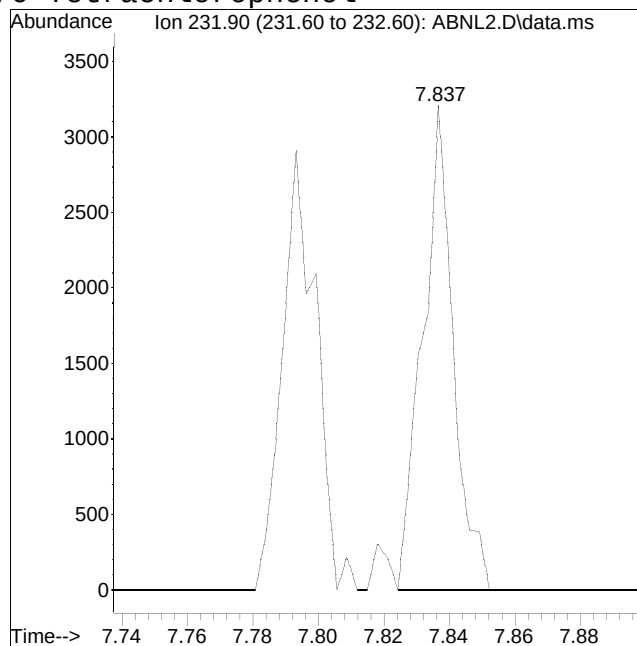
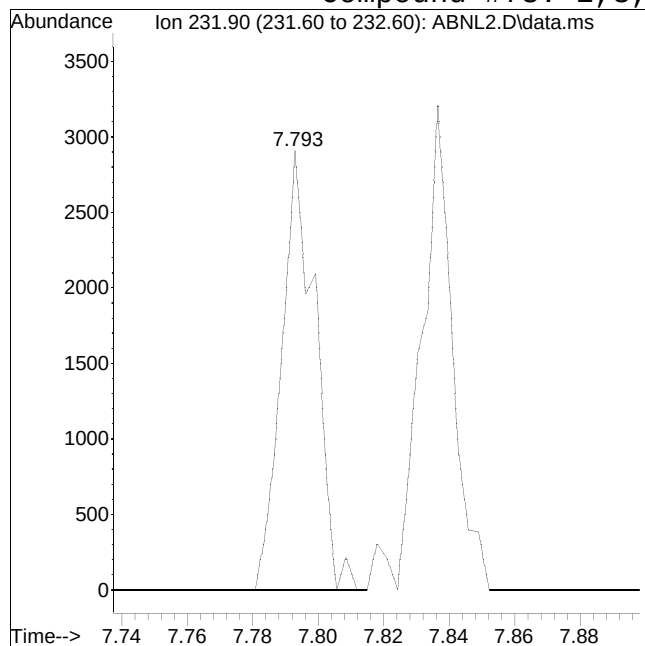
Manual Peak Response = 493 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\250821RVTICQ\data.ms
Data File : ABNL2.D
Date Inj'd : 8/20/2025 3:23 pm
Sample : IL9,32,,ABNL0.2 Lot# 11834
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:49 am

Compound #73: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 2082

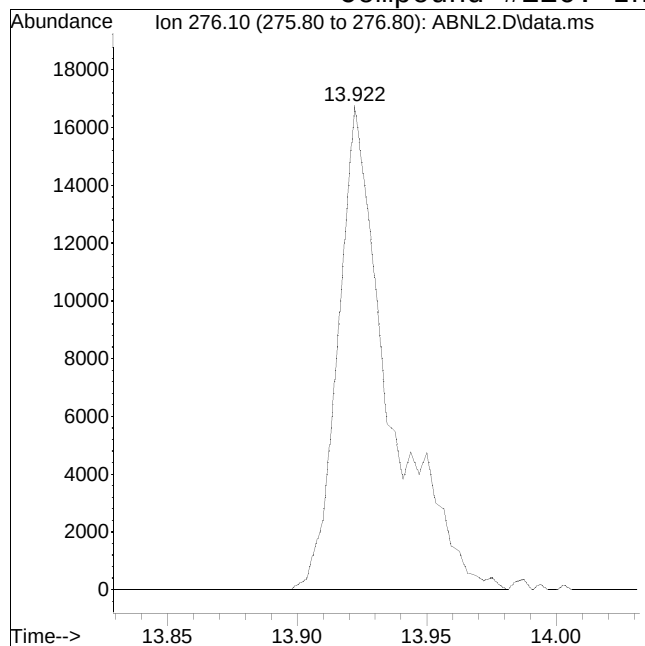
Manual Peak Response = 2081 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

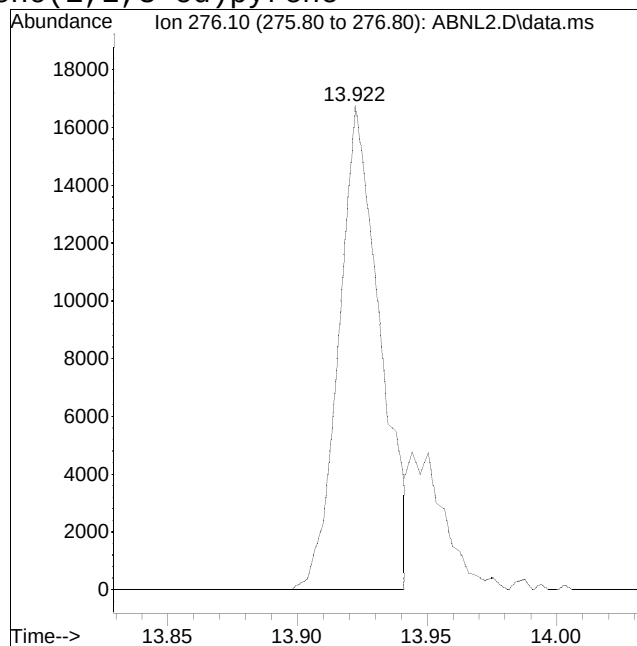
Data Path : I:\8270\Dakota\250820RVTICQ\data.ms
Data File : ABNL2.D
Date Inj'd : 8/20/2025 3:23 pm
Sample : IL9,32,,ABNL0.2 Lot# 11834
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:49 am

Compound #116: Indeno(1,2,3-cd)pyrene



Original Peak Response = 23048

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 18559 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL1.D
 Acq On : 20 Aug 2025 3:45 pm
 Operator : Dakota:smz
 Sample : IL10,32,,ABNL0.1 Lot# 11863
 Misc : WG2105679,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 21 09:29:53 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.576	152	48127	4.000	ug/ml	0.00
Standard Area 1 = 57258			Recovery =	84.05%		
37) IS1_Naphthalene-d8	5.810	136	169494	4.000	ug/ml	# 0.00
Standard Area 1 = 205727			Recovery =	82.39%		
65) IS1_Acenaphthene-d10	7.504	164	110863	4.000	ug/ml	0.00
Standard Area 1 = 152249			Recovery =	72.82%		
90) IS1_Phenanthrene-d10	8.928	188	257394	4.000	ug/ml	0.00
Standard Area 1 = 336420			Recovery =	76.51%		
106) IS1_Chrysene-d12	11.532	240	294120	4.000	ug/ml	# 0.00
Standard Area 1 = 394707			Recovery =	74.52%		
115) IS1_Perylene-d12	12.978	264	327581	4.000	ug/ml	0.00
Standard Area 1 = 434493			Recovery =	75.39%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.299	112	892	0.079	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	3.95%#		
7) Phenol-d6	4.256	99	1321	0.089	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	4.45%#		
19) Nitrobenzene-d5	5.117	82	1502	0.098	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	9.80%#		
48) 2-Fluorobiphenyl	6.876	172	4095	0.097	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	9.70%#		
81) 2,4,6-Tribromophenol	8.259	330	566	0.083	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	4.15%#		
98) 4-Terphenyl-d14	10.500	244	6275	0.093	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	9.30%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.922	74	694	0.093	ug/ml#	90
3) Pyridine	0.000		0	N.D.		
5) Aniline	4.262	93	1133	0.057	ug/ml#	1
6) 2-Chlorophenol	4.374	128	1185	0.086	ug/ml#	69
8) Phenol	4.272	94	1444	0.080	ug/ml#	45
9) Bis(2-chloroethyl)ether	4.343	93	1106	0.092	ug/ml#	74
10) 1,3-Dichlorobenzene	4.520	146	1878	0.105	ug/ml#	90
11) 1,4-Dichlorobenzene	4.592	146	1632	0.088	ug/ml#	87
12) 1,2-Dichlorobenzene	4.738	146	1683	0.094	ug/ml#	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL1.D
 Acq On : 20 Aug 2025 3:45 pm
 Operator : Dakota:smz
 Sample : IL10,32,,ABNL0.1 Lot# 11863
 Misc : WG2105679,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 21 09:29:53 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	4.732	79	746	0.063	ug/ml#	82
14)	Bis(2-chloroisopropyl)...	4.878	45	2101	0.107	ug/ml#	72
15)	2-Methylphenol	4.859	108	909	0.072	ug/ml#	62
16)	Hexachloroethane	5.067	117	507	0.075	ug/ml#	26
17)	n-Nitrosodi-n-propylamine	5.005	70	1030	0.097	ug/ml#	59
18)	3-Methylphenol/4-Methy...	5.011	108	1210	0.090	ug/ml#	97
20)	Nitrobenzene	5.136	77	1261	0.082	ug/ml#	39
21)	Isophorone	5.381	82	2006	0.070	ug/ml#	65
22)	2-Nitrophenol	0.000		0	N.D.	d	
23)	2,4-Dimethylphenol	5.527	107	996	0.066	ug/ml	91
24)	Bis(2-chloroethoxy)met...	5.618	93	1614	0.091	ug/ml#	91
25)	2,4-Dichlorophenol	5.686	162	902	0.053	ug/ml#	55
26)	1,2,4-Trichlorobenzene	5.764	180	1749	0.092	ug/ml#	76
38)	Naphthalene	5.829	128	4336	0.103	ug/ml#	86
39)	Benzoic Acid	0.000		0	N.D.		
40)	4-Chloroaniline	5.897	65	654M2	0.128	ug/ml	
41)	Hexachlorobutadiene	5.981	225	1236	0.127	ug/ml	96
42)	p-Chloro-m-cresol	6.398	107	994	0.080	ug/ml#	84
43)	2-Methylnaphthalene	6.506	142	2533	0.088	ug/ml#	96
44)	1-Methylnaphthalene	6.600	115	1166	0.104	ug/ml	81
45)	Hexachlorocyclopentadiene	6.674	237	941	0.090	ug/ml#	61
46)	2,4,6-Trichlorophenol	6.792	196	980	0.078	ug/ml#	84
47)	2,4,5-Trichlorophenol	6.824	196	1160	0.077	ug/ml#	82
49)	2-Chloronaphthalene	6.966	162	3272	0.090	ug/ml	94
50)	2-Nitroaniline	7.081	138	579	0.060	ug/ml#	57
51)	1,4-Dinitrobenzene	7.212	168	394M2	0.087	ug/ml	
52)	1,3-Dinitrobenzene	0.000		0	N.D.	d	
53)	Dimethyl phthalate	7.284	163	4084	0.088	ug/ml#	77
54)	Acenaphthylene	7.364	152	4514	0.078	ug/ml#	80
55)	2,6-Dinitrotoluene	7.321	165	518	0.063	ug/ml#	33
56)	1,2-Dinitrobenzene	0.000		0	N.D.	d	
66)	3-Nitroaniline	0.000		0	N.D.	d	
67)	Acenaphthene	7.535	154	3094	0.106	ug/ml	88
68)	2,4-Dinitrophenol	0.000		0	N.D.		
69)	Dibenzofuran	7.703	168	5246	0.103	ug/ml#	87
70)	2,4-Dinitrotoluene	7.706	165	872	0.084	ug/ml#	53
71)	4-Nitrophenol	0.000		0	N.D.	d	
72)	2,3,5,6-Tetrachlorophenol	7.790	232	612	0.056	ug/ml#	31

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNL1.D
 Acq On : 20 Aug 2025 3:45 pm
 Operator : Dakota:smz
 Sample : IL10,32,,ABNL0.1 Lot# 11863
 Misc : WG2105679,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 21 09:29:53 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73)	2,3,4,6-Tetrachlorophenol	7.834	232	1031	0.093	ug/ml#	58
74)	Diethyl phthalate	7.970	149	3794	0.093	ug/ml#	90
75)	Fluorene	8.033	166	3725	0.091	ug/ml#	84
76)	4-Chlorophenyl phenyl ...	8.057	204	2080	0.101	ug/ml#	80
77)	4-Nitroaniline	8.057	138	501	0.058	ug/ml#	65
78)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
79)	NDPA/DPA	8.169	169	3405	0.096	ug/ml#	94
80)	Azobenzene	8.204	77	2963	0.090	ug/ml	98
82)	4-Bromophenyl phenyl e...	8.517	248	1560	0.119	ug/ml#	80
83)	Hexachlorobenzene	8.567	284	1652	0.107	ug/ml#	70
84)	Pentachlorophenol	8.763	266	731	0.084	ug/ml#	19
91)	Phenanthrene	8.949	178	7301	0.101	ug/ml	98
92)	Anthracene	8.999	178	6395	0.091	ug/ml	98
93)	Carbazole	9.167	167	6352	0.094	ug/ml	96
94)	Di-n-butylphthalate	9.559	149	6326	0.088	ug/ml#	93
95)	Fluoranthene	10.093	202	8154	0.092	ug/ml#	88
96)	Benzidine	10.252	184	887	0.019	ug/ml#	68
97)	Pyrene	10.305	202	8700M3	0.093	ug/ml	
99)	Butyl benzyl phthalate	11.019	149	2319	0.072	ug/ml#	73
107)	Benzo(a)anthracene	11.523	228	8970	0.096	ug/ml	94
108)	3,3'-Dichlorobenzidine	11.526	252	2304	0.069	ug/ml#	73
109)	Chrysene	11.557	228	9886	0.109	ug/ml	97
110)	Bis(2-ethylhexyl)phtha...	11.654	149	3255	0.068	ug/ml#	87
111)	Di-n-octylphthalate	12.319	149	6215	0.078	ug/ml#	83
112)	Benzo(b)fluoranthene	12.614	252	7897	0.089	ug/ml#	89
113)	Benzo(k)fluoranthene	12.639	252	7897M4	0.089	ug/ml	
114)	Benzo(a)pyrene	12.919	252	7137	0.087	ug/ml#	84
116)	Indeno(1,2,3-cd)pyrene	13.922	276	7859	0.087	ug/mL#	78
117)	Dibenzo(a,h)anthracene	13.947	278	8092	0.089	ug/ml#	86
118)	Benzo(ghi)perylene	14.159	276	8044	0.088	ug/ml#	84

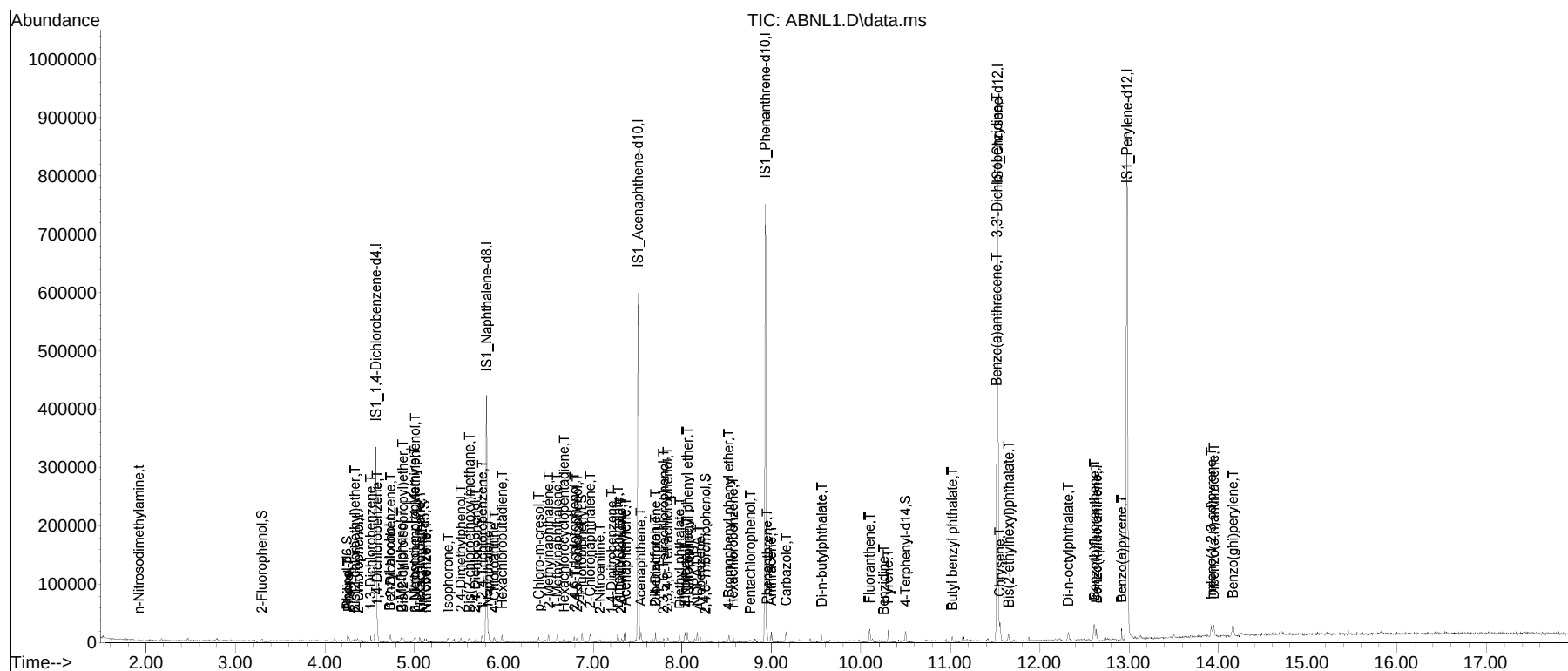
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820\RTICAL\
Data File : ABNL1.D
Acq On : 20 Aug 2025 3:45 pm
Operator : Dakota:smz
Sample : IL10,32,,ABNL0.1 Lot# 11863
Misc : WG2105679,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 21 09:29:53 2025
Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 21 05:46:21 2025
Response via : Initial Calibration

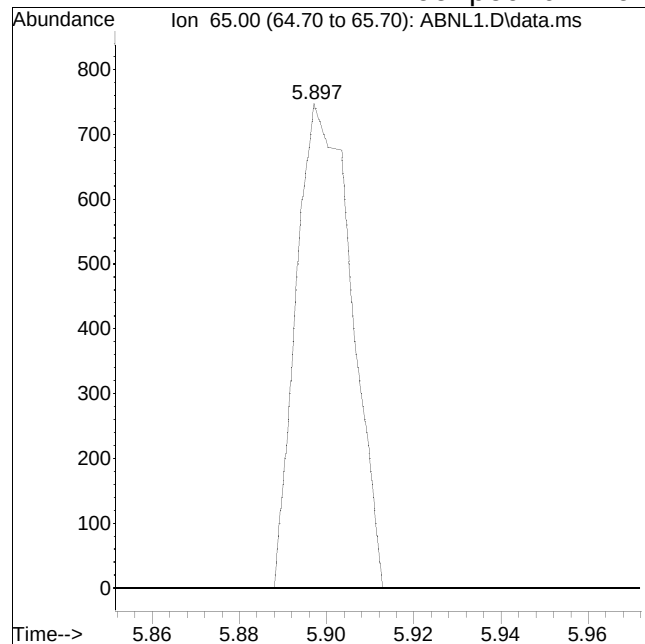
Sub List : ABNITa\8270ABNakoah\850820RVTICAL\AP9L6.D•



Manual Integration Report

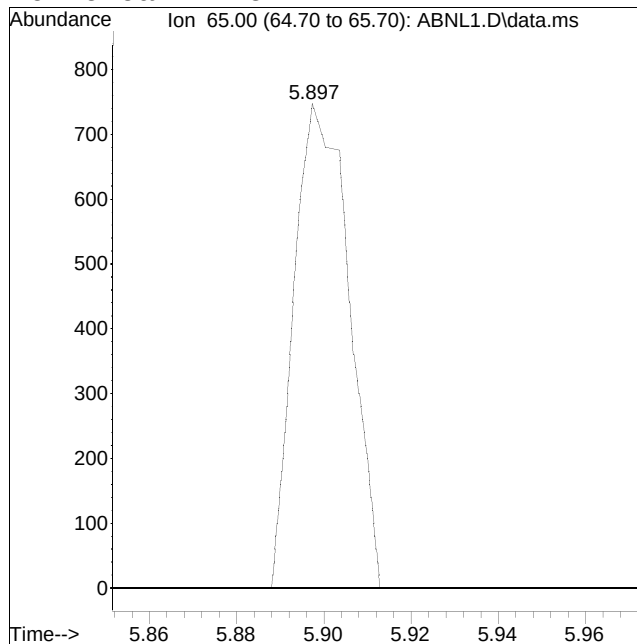
Data Path : I:\8270\Dakota\250821RVTICOM
Data File : ABNL1.D
Date Inj'd : 8/20/2025 3:45 pm
Sample : IL10,32,,ABNL0.1 Lot# 11860
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:49 am

Compound #40: 4-Chloroaniline



Original Peak Response = 654

M2 = Peak not found by automatic integration algorithm.

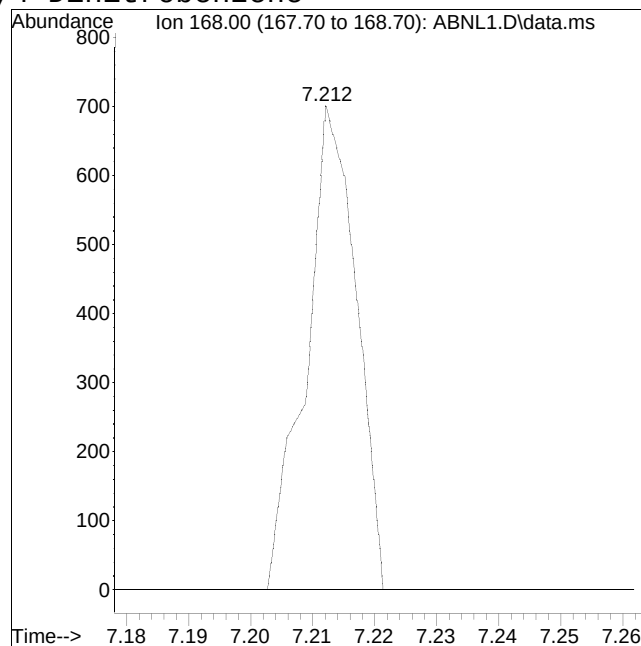
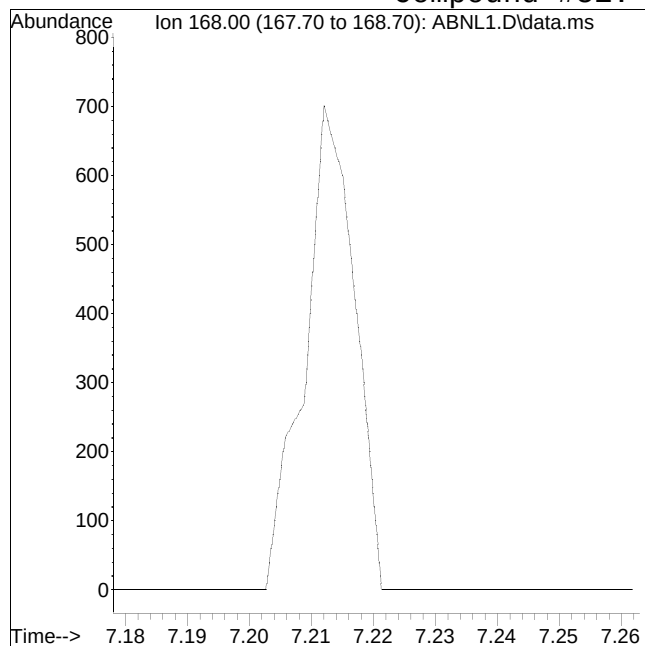


Manual Peak Response = 654 M2

Manual Integration Report

Data Path : I:\8270\Dakota\250821RVTICQ1
Data File : ABNL1.D
Date Inj'd : 8/20/2025 3:45 pm
Sample : IL10,32,,ABNL0.1 Lot# 11860
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:49 am

Compound #51: 1,4-Dinitrobenzene



Original Peak Response = 0

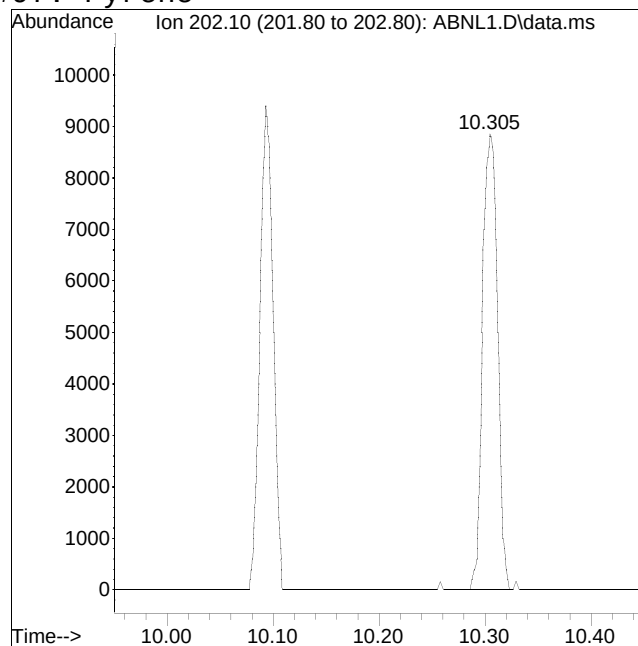
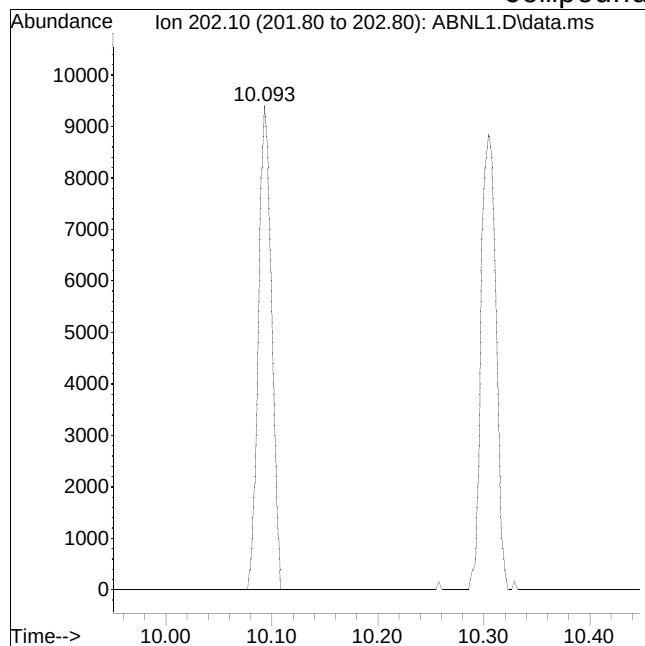
Manual Peak Response = 394 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQ\data.ms
Data File : ABNL1.D
Date Inj'd : 8/20/2025 3:45 pm
Sample : IL10,32,,ABNL0.1 Lot# 11860
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:49 am

Compound #97: Pyrene



Original Peak Response = 8154

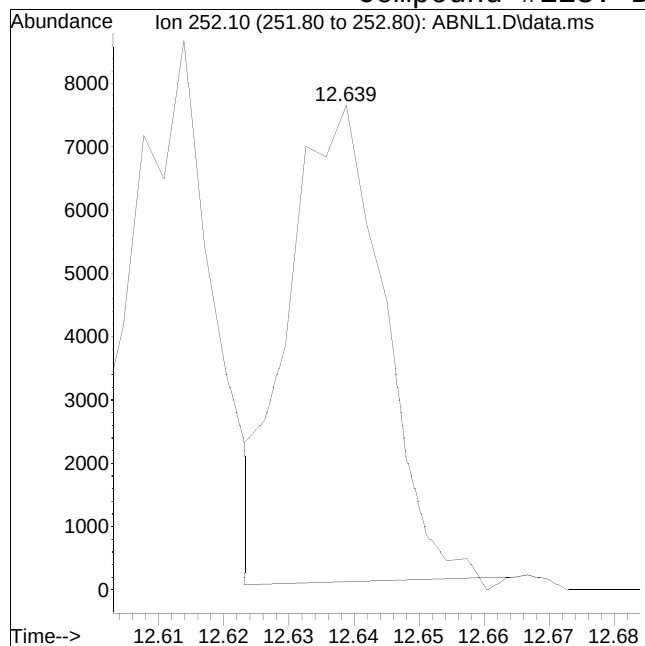
Manual Peak Response = 8700 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

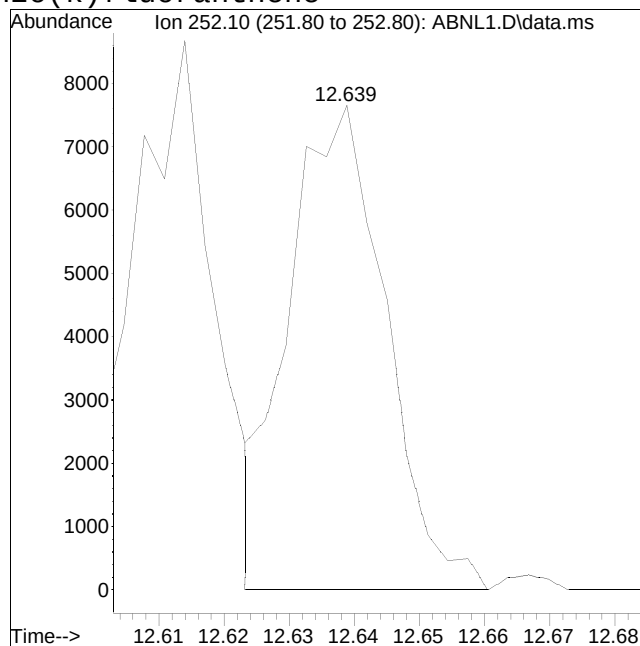
Data Path : I:\8270\Dakota\250820RVTICQ\data.ms
Data File : ABNL1.D
Date Inj'd : 8/20/2025 3:45 pm
Sample : IL10,32,,ABNL0.1 Lot# 11860
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:49 am

Compound #113: Benzo(k)fluoranthene



Original Peak Response = 7580

M4 = Poor automated baseline construction.



Manual Peak Response = 7897 M4

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L9.D
 Acq On : 20 Aug 2025 4:07 pm
 Operator : Dakota:smz
 Sample : IL2,32,,AP9L50 Lot# 11836
 Misc : WG2105679,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 06:21:04 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.576	152	55419	4.000	ug/ml	0.00
Standard Area 3 = 53367			Recovery =	103.85%		
57) IS2_Naphthalene-d8	5.807	136	200153	4.000	ug/ml	# 0.00
Standard Area 3 = 185003			Recovery =	108.19%		
85) IS2_Acenaphthene-d10	7.504	164	141262	4.000	ug/ml	0.00
Standard Area 3 = 131185			Recovery =	107.68%		
100) IS2_Phenanthrene-d10	8.928	188	340413	4.000	ug/ml	0.00
Standard Area 3 = 300066			Recovery =	113.45%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.138	105	353388	43.696	ug/ml	97
29) Acetophenone	4.977	105	1150475	45.637	ug/ml#	81
30) m-Toluidine	5.061	106	748323	49.431	ug/ml	94
31) 2-Chloroaniline	5.419	127	1042268	47.650	ug/ml#	93
58) a-Terpineol	5.876	59	643710	53.394	ug/ml#	73
59) 3-Chloroaniline	5.885	65	310440	48.238	ug/ml	91
60) 2,6-Dichlorophenol	5.910	162	891164	45.910	ug/ml#	83
61) 1-chloro-2-nitrobenzene	6.161	111	346847	49.104	ug/ml#	1
62) Caprolactam	6.221	55	372031	51.030	ug/ml#	74
63) 1,2,4,5-Tetrachloroben...	6.674	216	1254734	52.649	ug/ml#	97
64) Biphenyl	6.966	154	2514129	47.516	ug/ml	96
86) Dichloran	8.632	206	424969	58.034	ug/ml#	57
87) Pentachloronitrobenzene	8.782	237	424422	57.402	ug/ml#	77
101) Diphenamid	9.838	167	2198244	51.827	ug/ml#	69

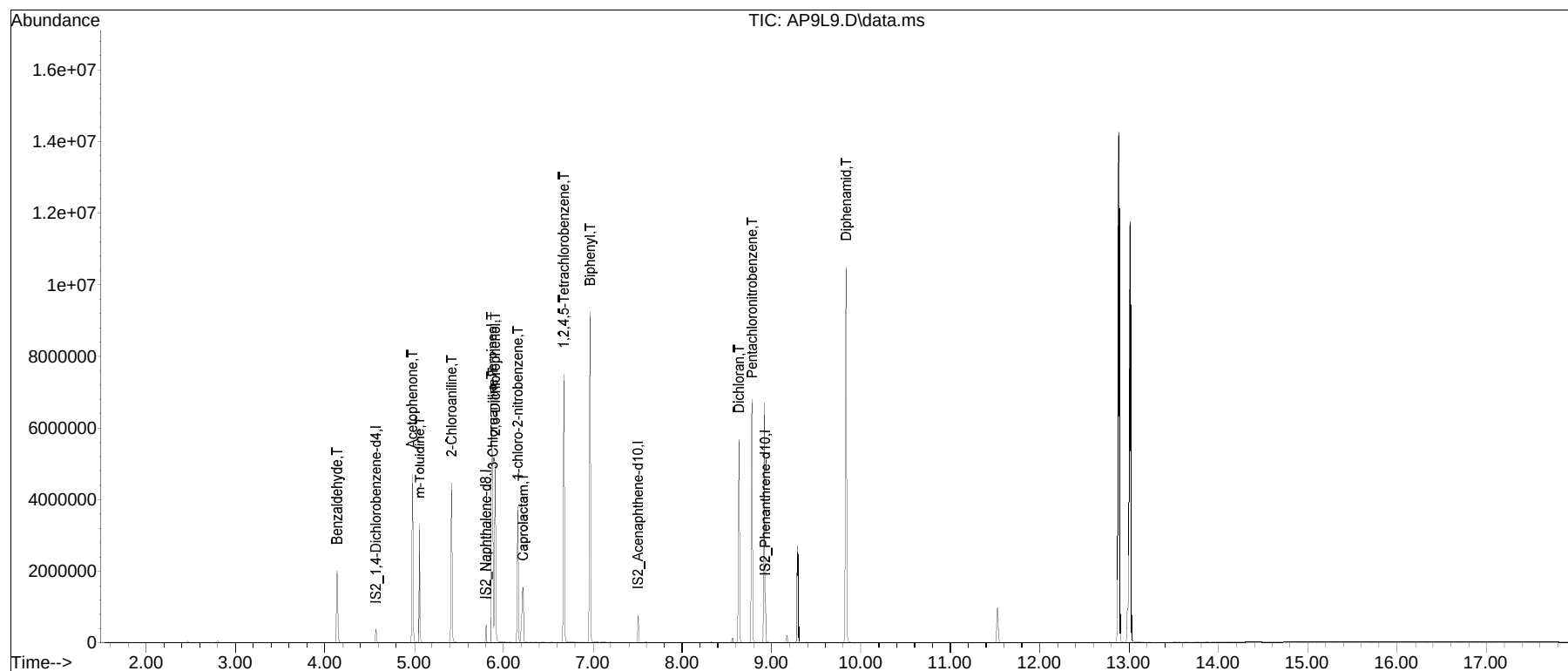
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L9.D
 Acq On : 20 Aug 2025 4:07 pm
 Operator : Dakota:smz
 Sample : IL2,32,,AP9L50 Lot# 11836
 Misc : WG2105679,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 06:21:04 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ~~AP9L6.D~~ I:\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICOM
Data File : AP9L9.D
Date Inj'd : 8/20/2025 4:07 pm
Sample : IL2,32,,AP9L50 Lot# 11836
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:53 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L8.D
 Acq On : 20 Aug 2025 4:30 pm
 Operator : Dakota:smz
 Sample : IL3,32,,AP9L25 Lot# 11837
 Misc : WG2105679,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 21 06:20:36 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.576	152	57491	4.000	ug/ml	0.00
Standard Area 3 = 53367			Recovery =	107.73%		
57) IS2_Naphthalene-d8	5.807	136	207720	4.000	ug/ml	# 0.00
Standard Area 3 = 185003			Recovery =	112.28%		
85) IS2_Acenaphthene-d10	7.504	164	144885	4.000	ug/ml	0.00
Standard Area 3 = 131185			Recovery =	110.44%		
100) IS2_Phenanthrene-d10	8.928	188	336410	4.000	ug/ml	0.00
Standard Area 3 = 300066			Recovery =	112.11%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.141	105	177989	21.215	ug/ml	98
29) Acetophenone	4.977	105	573942	21.946	ug/ml#	81
30) m-Toluidine	5.058	106	369758	23.544	ug/ml	94
31) 2-Chloroaniline	5.416	127	523936	23.090	ug/ml#	92
58) a-Terpineol	5.869	59	318148	25.428	ug/ml#	74
59) 3-Chloroaniline	5.882	65	154344	23.109	ug/ml	92
60) 2,6-Dichlorophenol	5.910	162	430861	21.388	ug/ml#	83
61) 1-chloro-2-nitrobenzene	6.162	111	170183	23.215	ug/ml#	1
62) Caprolactam	6.208	55	176709	23.355	ug/ml#	72
63) 1,2,4,5-Tetrachloroben...	6.674	216	607468	24.561	ug/ml#	96
64) Biphenyl	6.966	154	1243240	22.641	ug/ml	96
86) Dichloran	8.629	206	195327	26.007	ug/ml#	58
87) Pentachloronitrobenzene	8.779	237	194454	25.642	ug/ml#	78
101) Diphenamid	9.835	167	1038431	24.774	ug/ml#	70

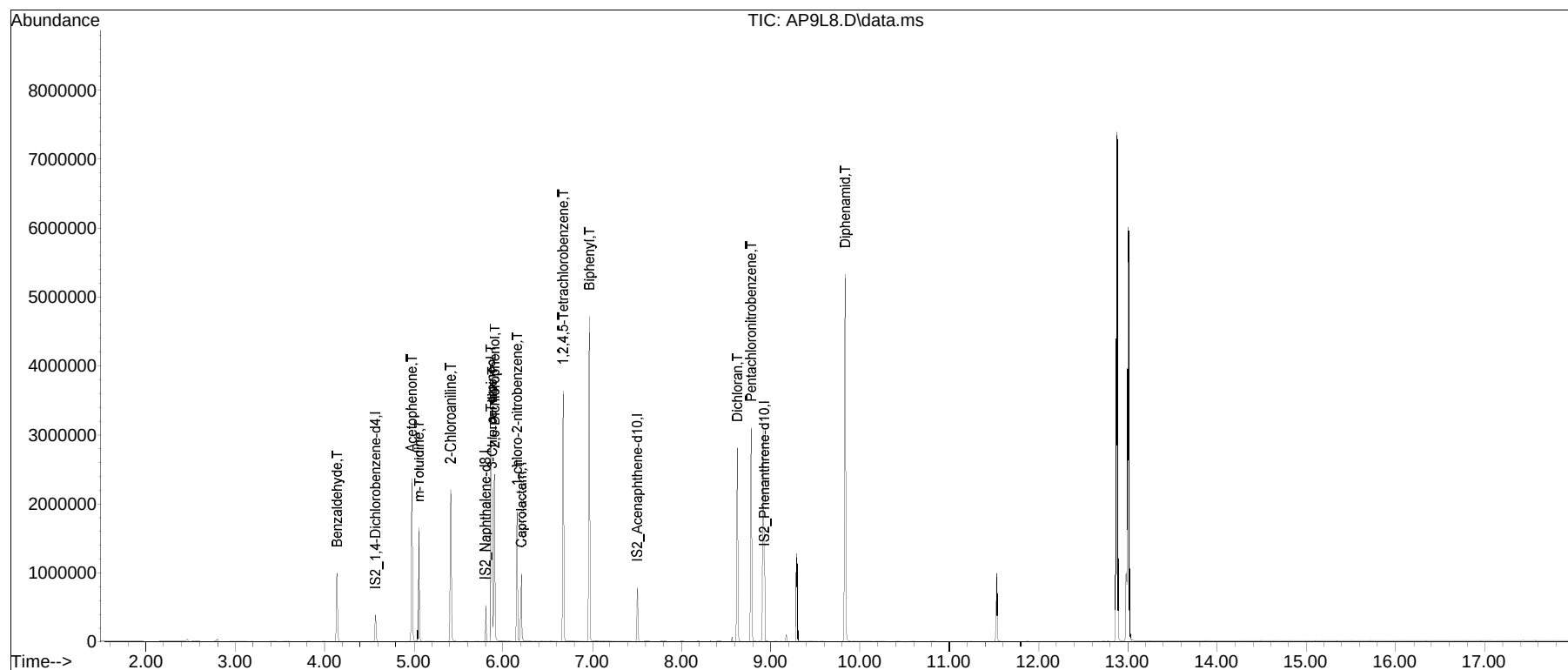
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L8.D
 Acq On : 20 Aug 2025 4:30 pm
 Operator : Dakota:smz
 Sample : IL3,32,,AP9L25 Lot# 11837
 Misc : WG2105679,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 21 06:20:36 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ~~AP9L8.D~~ I:\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICOM\Method : FS250821RVT_Dakota.m
Data File : AP9L8.D Operator : Dakota:smz
Date Inj'd : 8/20/2025 4:30 pm Instrument : Dakota
Sample : IL3,32,,AP9L25 Lot# 11837 Quant Date : 8/21/2025 5:52 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L7.D
 Acq On : 20 Aug 2025 4:52 pm
 Operator : Dakota:smz
 Sample : IL4,32,,AP9L10 Lot# 11838
 Misc : WG2105679,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 21 06:20:11 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.573	152	52635	4.000	ug/ml	0.00
Standard Area 3 = 53367			Recovery =	98.63%		
57) IS2_Naphthalene-d8	5.807	136	187969	4.000	ug/ml	0.00
Standard Area 3 = 185003			Recovery =	101.60%		
85) IS2_Acenaphthene-d10	7.504	164	133105	4.000	ug/ml	0.00
Standard Area 3 = 131185			Recovery =	101.46%		
100) IS2_Phenanthrene-d10	8.928	188	321250	4.000	ug/ml	0.00
Standard Area 3 = 300066			Recovery =	107.06%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.141	105	64188	8.356	ug/ml	99
29) Acetophenone	4.977	105	205965	8.602	ug/ml#	81
30) m-Toluidine	5.058	106	132082	9.186	ug/ml	94
31) 2-Chloroaniline	5.416	127	190816	9.185	ug/ml#	92
58) a-Terpineol	5.869	59	110961	9.801	ug/ml#	72
59) 3-Chloroaniline	5.879	65	56212	9.301	ug/ml	92
60) 2,6-Dichlorophenol	5.907	162	153036	8.395	ug/ml#	82
61) 1-chloro-2-nitrobenzene	6.162	111	62311	9.393	ug/ml#	1
62) Caprolactam	6.199	55	61400	8.968	ug/ml#	73
63) 1,2,4,5-Tetrachloroben...	6.674	216	221874	9.913	ug/ml	98
64) Biphenyl	6.967	154	466582	9.390	ug/ml	97
86) Dichloran	8.629	206	70714	10.249	ug/ml#	55
87) Pentachloronitrobenzene	8.775	237	69979	10.044	ug/ml#	77
101) Diphenamid	9.832	167	391669	9.785	ug/ml#	70

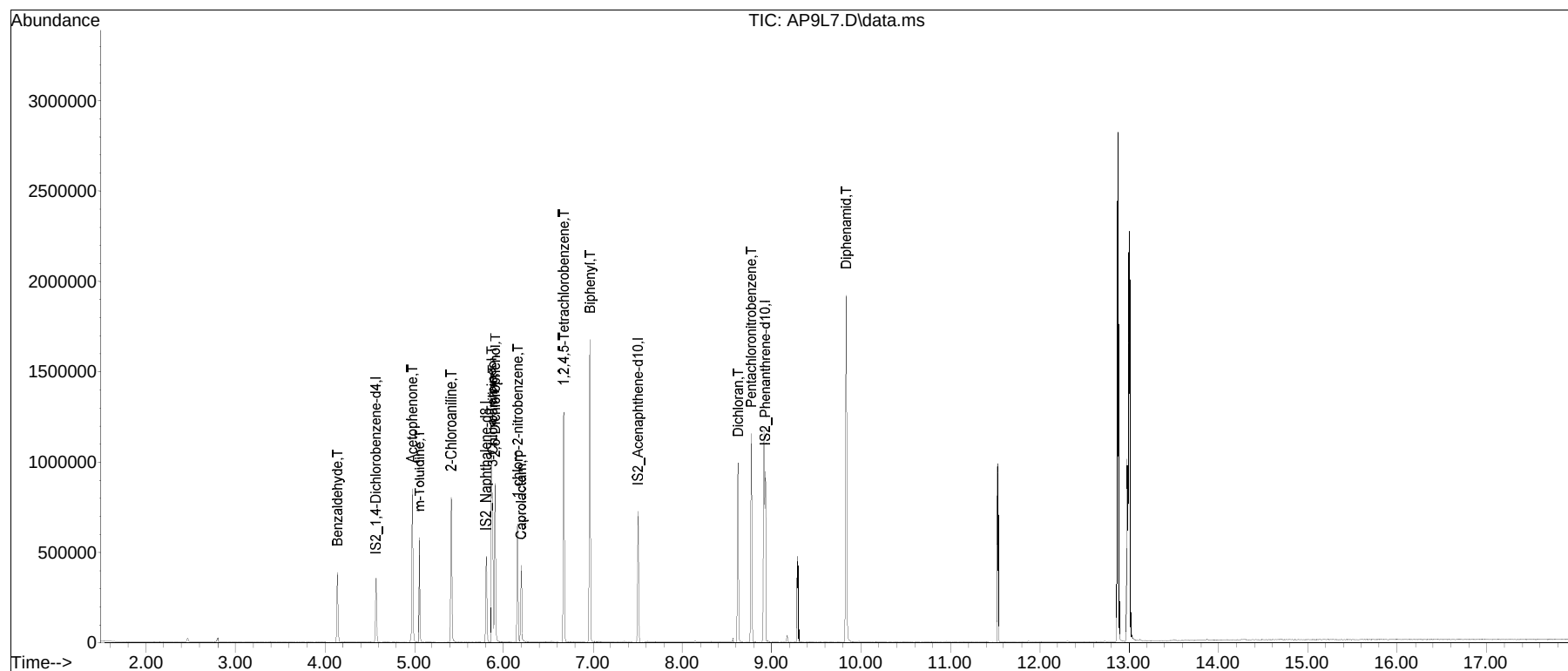
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L7.D
 Acq On : 20 Aug 2025 4:52 pm
 Operator : Dakota:smz
 Sample : IL4,32,,AP9L10 Lot# 11838
 Misc : WG2105679,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 21 06:20:11 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ~~AP9L7.D~~ I:\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICOM
Data File : AP9L7.D
Date Inj'd : 8/20/2025 4:52 pm
Sample : IL4,32,,AP9L10 Lot# 11838
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:52 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L6.D
 Acq On : 20 Aug 2025 5:15 pm
 Operator : Dakota:smz
 Sample : IL5,32,,AP9L5 Lot# 11839
 Misc : WG2105679,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 21 06:19:48 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.576	152	53367	4.000	ug/ml	0.00
Standard Area 3 = 53367			Recovery =	100.00%		
57) IS2_Naphthalene-d8	5.810	136	185003	4.000	ug/ml	0.00
Standard Area 3 = 185003			Recovery =	100.00%		
85) IS2_Acenaphthene-d10	7.504	164	131185	4.000	ug/ml	0.00
Standard Area 3 = 131185			Recovery =	100.00%		
100) IS2_Phenanthrene-d10	8.928	188	300066	4.000	ug/ml	0.00
Standard Area 3 = 300066			Recovery =	100.00%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.141	105	32653	4.193	ug/ml	98
29) Acetophenone	4.977	105	101590	4.185	ug/ml#	83
30) m-Toluidine	5.058	106	63906	4.384	ug/ml	92
31) 2-Chloroaniline	5.418	127	93756	4.451	ug/ml#	91
58) a-Terpineol	5.869	59	53294	4.783	ug/ml#	71
59) 3-Chloroaniline	5.882	65	26775	4.501	ug/ml	97
60) 2,6-Dichlorophenol	5.906	162	72963	4.067	ug/ml#	82
61) 1-chloro-2-nitrobenzene	6.161	111	29751	4.557	ug/ml#	1
62) Caprolactam	6.196	55	27826	4.129	ug/ml#	71
63) 1,2,4,5-Tetrachloroben...	6.674	216	106347	4.828	ug/ml#	97
64) Biphenyl	6.966	154	220410	4.507	ug/ml	96
86) Dichloran	8.629	206	28678	4.217	ug/ml#	60
87) Pentachloronitrobenzene	8.778	237	30082	4.381	ug/ml#	77
101) Diphenamid	9.832	167	167381	4.477	ug/ml#	72

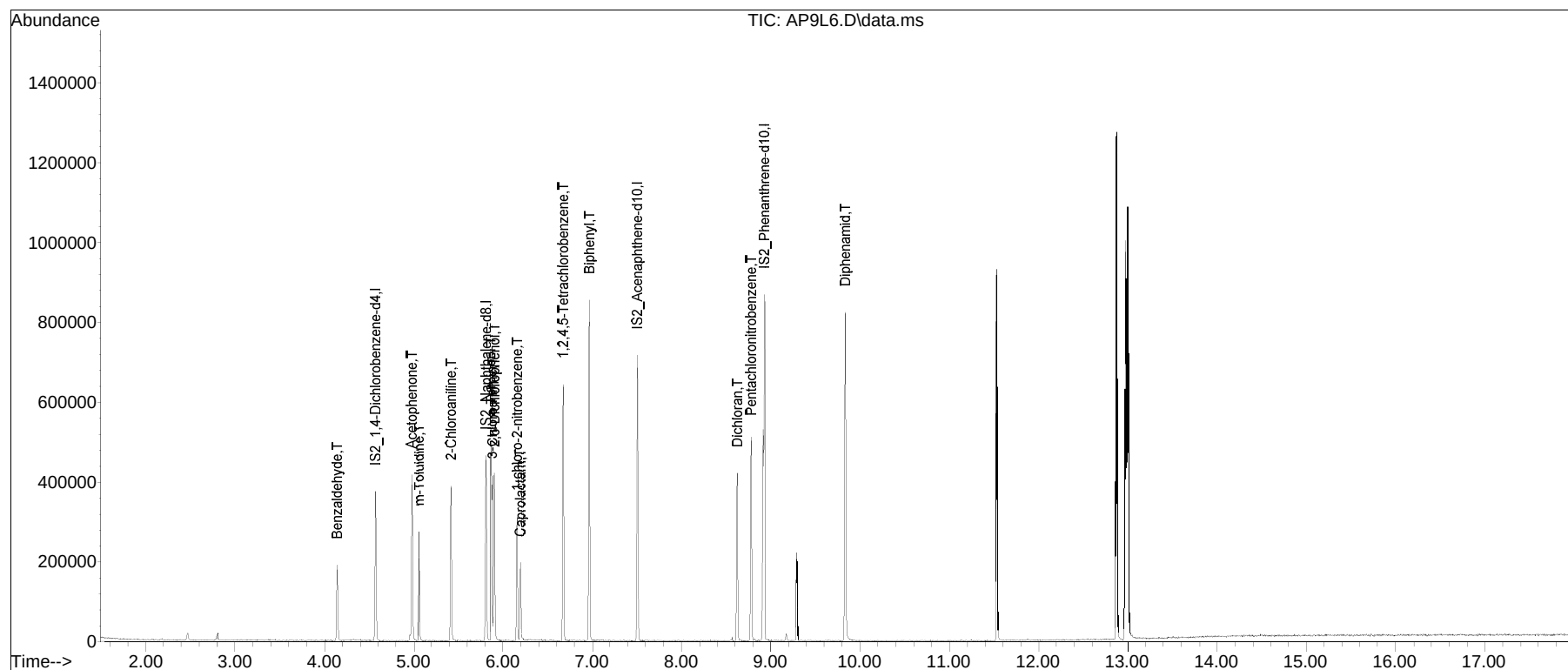
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L6.D
 Acq On : 20 Aug 2025 5:15 pm
 Operator : Dakota:smz
 Sample : IL5,32,,AP9L5 Lot# 11839
 Misc : WG2105679,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 21 06:19:48 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ~~AP9L6.D~~ I:\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICOM
Data File : AP9L6.D
Date Inj'd : 8/20/2025 5:15 pm
Sample : IL5,32,,AP9L5 Lot# 11839
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:52 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L5.D
 Acq On : 20 Aug 2025 5:37 pm
 Operator : Dakota:smz
 Sample : IL6,32,,AP9L2.5 Lot# 11840
 Misc : WG2105679,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 21 06:19:19 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.576	152	53473	4.000	ug/ml	0.00
Standard Area 3 = 53367			Recovery =	100.20%		
57) IS2_Naphthalene-d8	5.810	136	184093	4.000	ug/ml	# 0.00
Standard Area 3 = 185003			Recovery =	99.51%		
85) IS2_Acenaphthene-d10	7.504	164	125256	4.000	ug/ml	0.00
Standard Area 3 = 131185			Recovery =	95.48%		
100) IS2_Phenanthrene-d10	8.928	188	284326	4.000	ug/ml	0.00
Standard Area 3 = 300066			Recovery =	94.75%		
System Monitoring Compounds						
Target Compounds				Qvalue		
28) Benzaldehyde	4.144	105	16586	2.125	ug/ml	99
29) Acetophenone	4.980	105	51214	2.105	ug/ml#	81
30) m-Toluidine	5.061	106	29420	2.014	ug/ml	92
31) 2-Chloroaniline	5.419	127	45992	2.179	ug/ml#	93
58) a-Terpineol	5.869	59	25695	2.317	ug/ml#	65
59) 3-Chloroaniline	5.882	65	13069	2.208	ug/ml	97
60) 2,6-Dichlorophenol	5.907	162	35420	1.984	ug/ml#	80
61) 1-chloro-2-nitrobenzene	6.162	111	13470	2.073	ug/ml#	1
62) Caprolactam	6.193	55	11783	1.757	ug/ml#	69
63) 1,2,4,5-Tetrachloroben...	6.674	216	52737	2.406	ug/ml	97
64) Biphenyl	6.967	154	110470	2.270	ug/ml	97
86) Dichloran	8.629	206	12465	1.920	ug/ml#	64
87) Pentachloronitrobenzene	8.775	237	13645	2.081	ug/ml#	81
101) Diphenamid	9.832	167	80508	2.273	ug/ml#	70

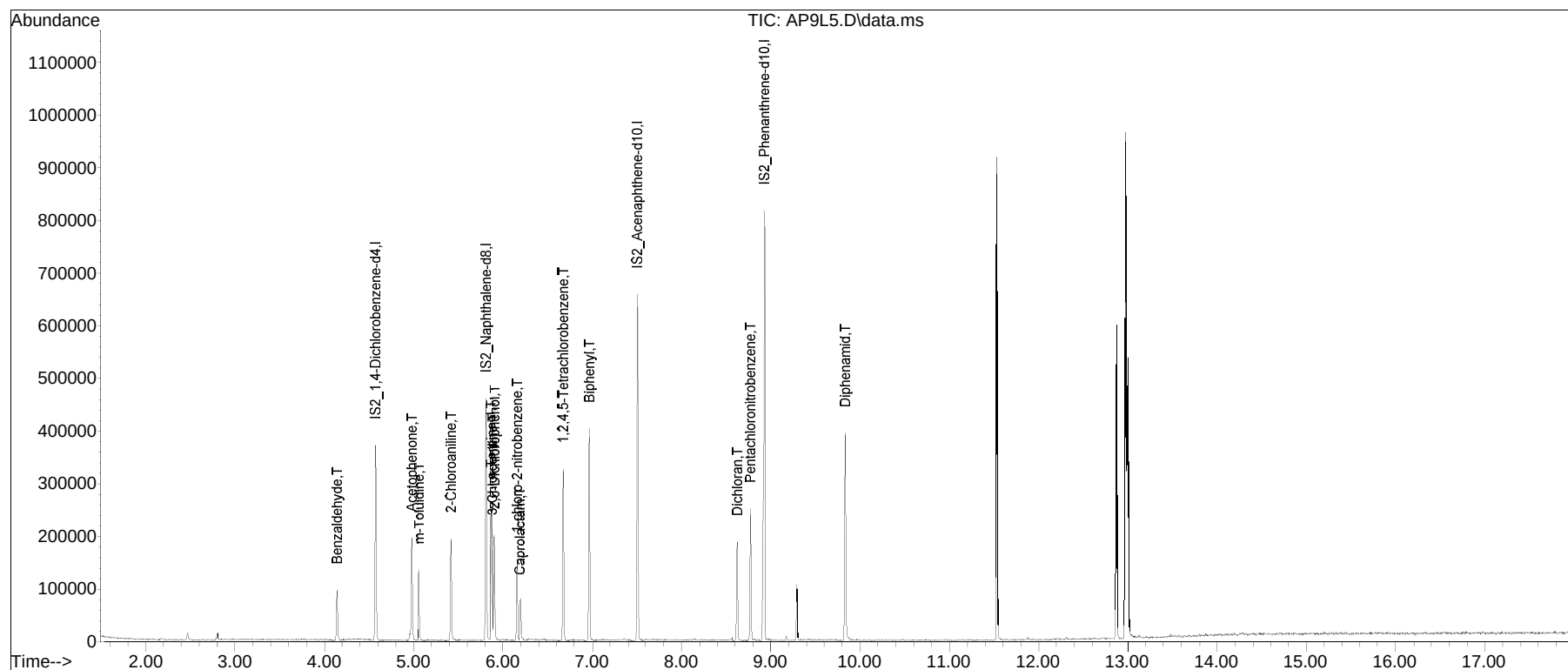
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L5.D
 Acq On : 20 Aug 2025 5:37 pm
 Operator : Dakota:smz
 Sample : IL6,32,,AP9L2.5 Lot# 11840
 Misc : WG2105679,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 21 06:19:19 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ~~AP9L5.D~~ I:\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQ\Meth
Data File : AP9L5.D Operator : FS250821RVT_Dakota.m
Date Inj'd : 8/20/2025 5:37 pm Instrument : Dakota:smz
Sample : IL6,32,,AP9L2.5 Lot# 11840 Quant Date : 8/21/2025 5:52 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L4.D
 Acq On : 20 Aug 2025 6:00 pm
 Operator : Dakota:smz
 Sample : IL7,32,,AP9L1 Lot# 11841
 Misc : WG2105679,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 21 06:18:52 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.576	152	52878	4.000	ug/ml	0.00
Standard Area 3 = 53367			Recovery =	99.08%		
57) IS2_Naphthalene-d8	5.810	136	183225	4.000	ug/ml	# 0.00
Standard Area 3 = 185003			Recovery =	99.04%		
85) IS2_Acenaphthene-d10	7.507	164	127136	4.000	ug/ml	0.00
Standard Area 3 = 131185			Recovery =	96.91%		
100) IS2_Phenanthrene-d10	8.927	188	296912	4.000	ug/ml	0.00
Standard Area 3 = 300066			Recovery =	98.95%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.147	105	7774	1.007	ug/ml	89
29) Acetophenone	4.980	105	21883	0.910	ug/ml#	82
30) m-Toluidine	5.061	106	10474	0.725	ug/ml	93
31) 2-Chloroaniline	5.418	127	18170	0.871	ug/ml#	93
58) a-Terpineol	5.869	59	11291	1.023	ug/ml#	65
59) 3-Chloroaniline	5.878	65	6288	1.067	ug/ml	80
60) 2,6-Dichlorophenol	5.909	162	14715	0.828	ug/ml#	83
61) 1-chloro-2-nitrobenzene	6.161	111	5292	0.818	ug/ml#	1
62) Caprolactam	6.195	55	5677	0.851	ug/ml#	81
63) 1,2,4,5-Tetrachloroben...	6.674	216	22457	1.029	ug/ml	98
64) Biphenyl	6.966	154	46803	0.966	ug/ml	94
86) Dichloran	8.629	206	5893	0.894	ug/ml#	56
87) Pentachloronitrobenzene	8.778	237	5585	0.839	ug/ml#	79
101) Diphenamid	9.832	167	34051	0.920	ug/ml#	71

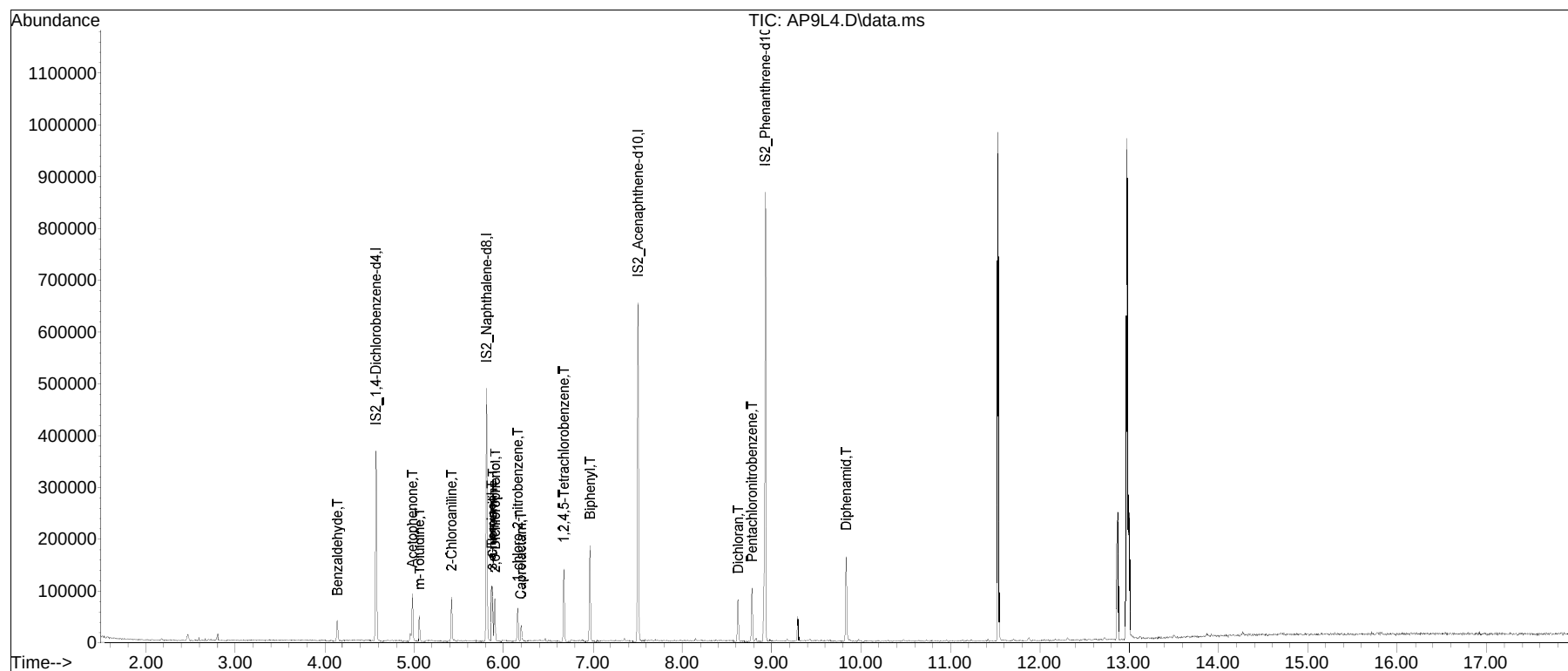
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L4.D
 Acq On : 20 Aug 2025 6:00 pm
 Operator : Dakota:smz
 Sample : IL7,32,,AP9L1 Lot# 11841
 Misc : WG2105679,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 21 06:18:52 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ~~AP9L4.D~~ I:\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICOM
Data File : AP9L4.D
Date Inj'd : 8/20/2025 6:00 pm
Sample : IL7,32,,AP9L1 Lot# 11841
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:52 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L3.D
 Acq On : 20 Aug 2025 6:23 pm
 Operator : Dakota:smz
 Sample : IL8,32,,AP9L0.5 Lot# 11842
 Misc : WG2105679,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 21 06:18:09 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.576	152	48936	4.000	ug/ml	0.00
Standard Area 3 = 53367			Recovery =	91.70%		
57) IS2_Naphthalene-d8	5.810	136	171624	4.000	ug/ml	# 0.00
Standard Area 3 = 185003			Recovery =	92.77%		
85) IS2_Acenaphthene-d10	7.507	164	113645	4.000	ug/ml	0.00
Standard Area 3 = 131185			Recovery =	86.63%		
100) IS2_Phenanthrene-d10	8.928	188	276241	4.000	ug/ml	0.00
Standard Area 3 = 300066			Recovery =	92.06%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.144	105	4108	0.575	ug/ml	96
29) Acetophenone	4.980	105	11870	0.533	ug/ml#	83
30) m-Toluidine	5.061	106	5830	0.436	ug/ml	88
31) 2-Chloroaniline	5.419	127	10366	0.537	ug/ml	92
58) a-Terpineol	5.869	59	6914	0.669	ug/ml#	74
59) 3-Chloroaniline	5.879	65	3281	0.595	ug/ml	80
60) 2,6-Dichlorophenol	5.910	162	8011	0.481	ug/ml#	87
61) 1-chloro-2-nitrobenzene	6.162	111	3189	0.527	ug/ml#	1
62) Caprolactam	6.199	55	2897	0.463	ug/ml#	78
63) 1,2,4,5-Tetrachloroben...	6.674	216	11923	0.583	ug/ml	98
64) Biphenyl	6.967	154	26010	0.573	ug/ml	97
86) Dichloran	8.632	206	2939	0.499	ug/ml#	69
87) Pentachloronitrobenzene	8.779	237	3232	0.543	ug/ml#	86
101) Diphenamid	9.835	167	19589	0.569	ug/ml#	72

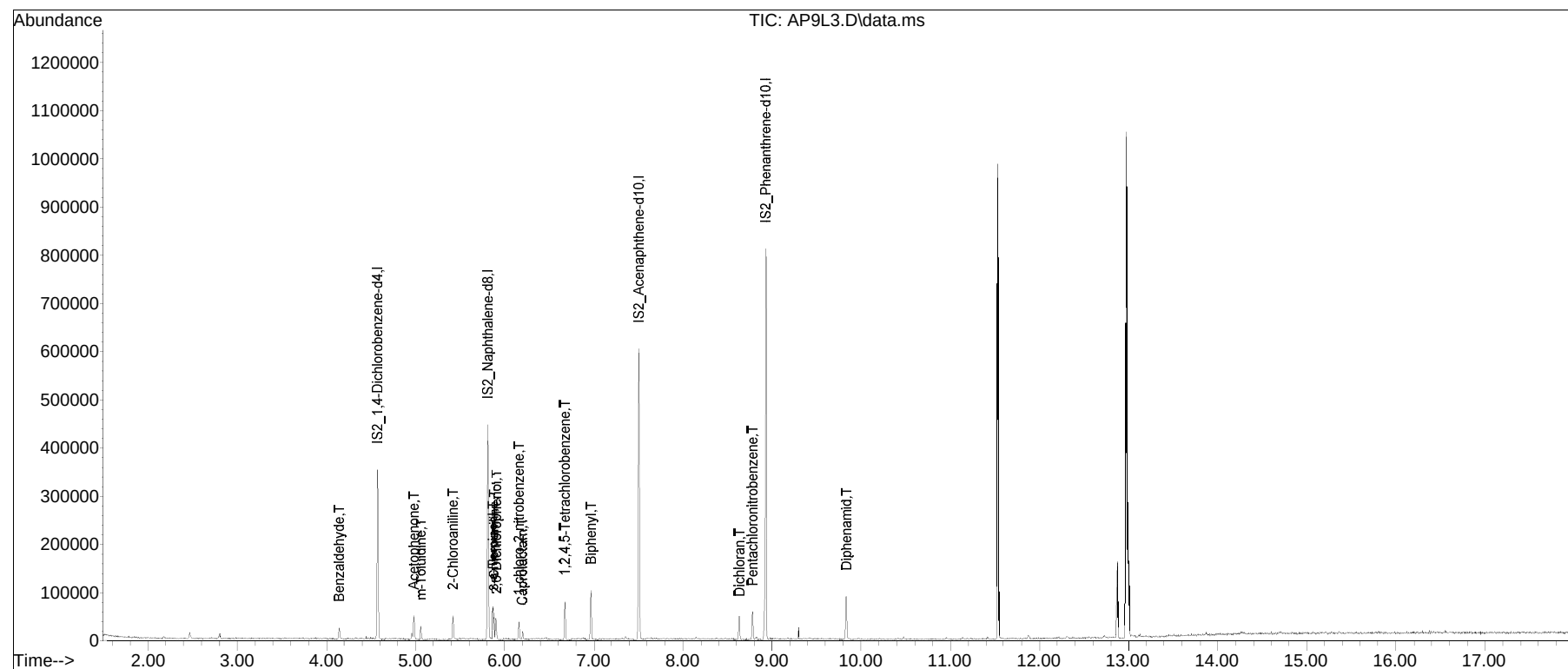
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L3.D
 Acq On : 20 Aug 2025 6:23 pm
 Operator : Dakota:smz
 Sample : IL8,32,,AP9L0.5 Lot# 11842
 Misc : WG2105679,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 21 06:18:09 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ~~AP9L3.D~~ I:\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQ\Meth
Data File : AP9L3.D Operator : FS250821RVT_Dakota.m
Date Inj'd : 8/20/2025 6:23 pm Instrument : Dakota:smz
Sample : IL8,32,,AP9L0.5 Lot# 11842 Quant Date : 8/21/2025 5:52 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L2.D
 Acq On : 20 Aug 2025 6:46 pm
 Operator : Dakota:smz
 Sample : IL9,32,,AP9L0.2 Lot# 11843
 Misc : WG2105679,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 21 06:17:41 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.579	152	49292	4.000	ug/ml	0.00
Standard Area 3 = 53367			Recovery =	92.36%		
57) IS2_Naphthalene-d8	5.810	136	170450	4.000	ug/ml	0.00
Standard Area 3 = 185003			Recovery =	92.13%		
85) IS2_Acenaphthene-d10	7.507	164	116035	4.000	ug/ml	0.00
Standard Area 3 = 131185			Recovery =	88.45%		
100) IS2_Phenanthrene-d10	8.931	188	269878	4.000	ug/ml	0.00
Standard Area 3 = 300066			Recovery =	89.94%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.147	105	1483	0.206	ug/ml	89
29) Acetophenone	4.984	105	4728	0.211	ug/ml#	80
30) m-Toluidine	5.061	106	809	0.060	ug/ml#	94
31) 2-Chloroaniline	5.422	127	3668	0.189	ug/ml#	90
58) a-Terpineol	5.869	59	2179	0.212	ug/ml#	68
59) 3-Chloroaniline	5.879	65	1340	0.245	ug/ml	85
60) 2,6-Dichlorophenol	5.907	162	3074	0.186	ug/ml#	84
61) 1-chloro-2-nitrobenzene	6.161	111	1443	0.240	ug/ml#	1
62) Caprolactam	6.211	55	887	0.143	ug/ml#	43
63) 1,2,4,5-Tetrachloroben...	6.677	216	4133	0.204	ug/ml#	85
64) Biphenyl	6.966	154	9240	0.205	ug/ml#	89
86) Dichloran	8.632	206	1349	0.224	ug/ml#	60
87) Pentachloronitrobenzene	8.779	237	1097	0.181	ug/ml#	87
101) Diphenamid	9.835	167	7117	0.212	ug/ml#	67

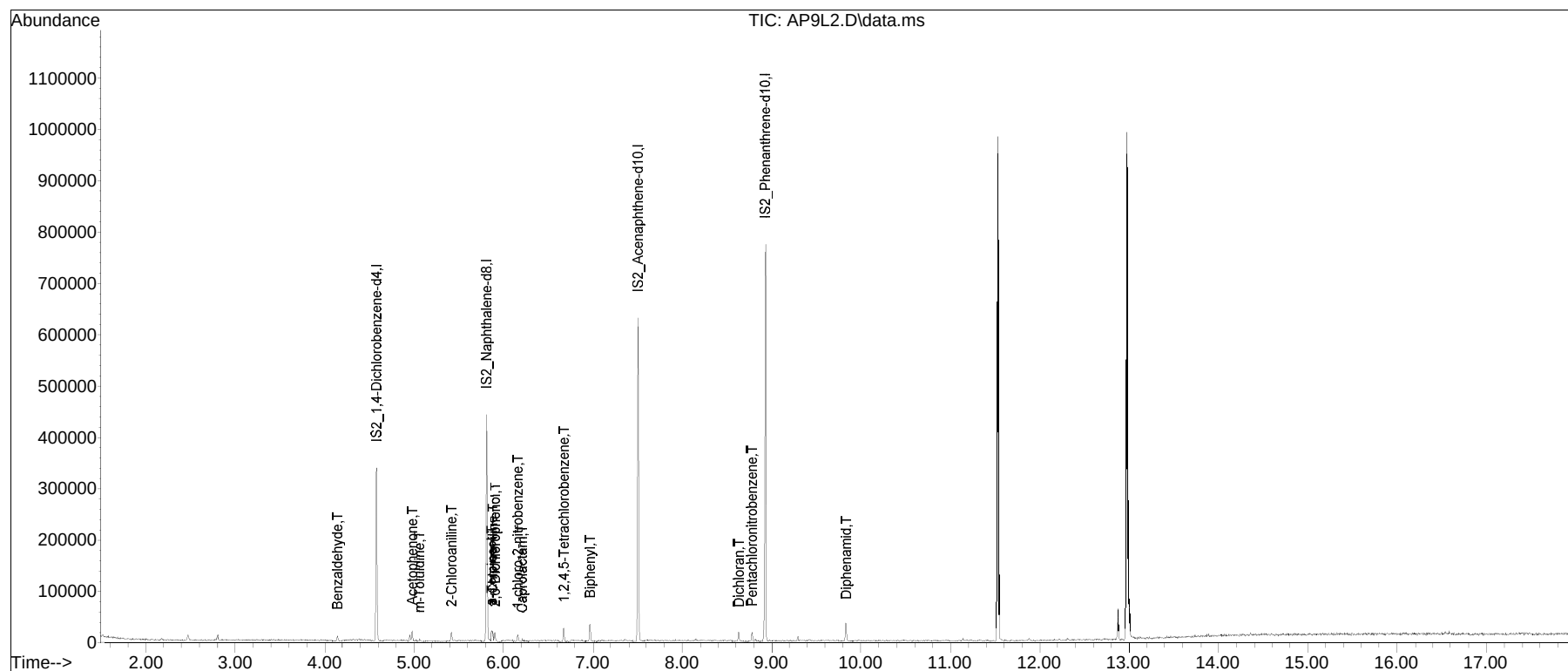
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L2.D
 Acq On : 20 Aug 2025 6:46 pm
 Operator : Dakota:smz
 Sample : IL9,32,,AP9L0.2 Lot# 11843
 Misc : WG2105679,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 21 06:17:41 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ~~AP9L2.D~~ I:\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQ\Meth
Data File : AP9L2.D Operator : FS250821RVT_Dakota.m
Date Inj'd : 8/20/2025 6:46 pm Instrument : Dakota:smz
Sample : IL9,32,,AP9L0.2 Lot# 11843 Quant Date : 8/21/2025 5:51 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L1.D
 Acq On : 20 Aug 2025 7:09 pm
 Operator : Dakota:smz
 Sample : IL10,32,,AP9L0.1 Lot# 11865
 Misc : WG2105679,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 21 10:13:35 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.576	152	48286	4.000	ug/ml	0.00
Standard Area 3 = 53367			Recovery =	90.48%		
57) IS2_Naphthalene-d8	5.810	136	160524	4.000	ug/ml	# 0.00
Standard Area 3 = 185003			Recovery =	86.77%		
85) IS2_Acenaphthene-d10	7.507	164	106794	4.000	ug/ml	0.00
Standard Area 3 = 131185			Recovery =	81.41%		
100) IS2_Phenanthrene-d10	8.931	188	242553	4.000	ug/ml	0.00
Standard Area 3 = 300066			Recovery =	80.83%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.144	105	904	0.128	ug/ml	89
29) Acetophenone	4.984	105	1903	0.087	ug/ml#	67
30) m-Toluidine	0.000		0	N.D.		
31) 2-Chloroaniline	5.422	127	1536	0.081	ug/ml#	66
58) a-Terpineol	5.872	59	765	0.079	ug/ml#	64
59) 3-Chloroaniline	0.000		0	N.D.	d	
60) 2,6-Dichlorophenol	5.910	162	1096	0.070	ug/ml	88
61) 1-chloro-2-nitrobenzene	6.158	111	522	0.092	ug/ml#	1
62) Caprolactam	0.000		0	N.D.		
63) 1,2,4,5-Tetrachloroben...	6.681	216	2273	0.119	ug/ml#	70
64) Biphenyl	6.970	154	3998	0.094	ug/ml	93
86) Dichloran	8.629	206	441M2	0.080	ug/ml	
87) Pentachloronitrobenzene	8.775	237	429M2	0.077	ug/ml	
101) Diphenamid	9.832	167	2555	0.085	ug/ml#	77

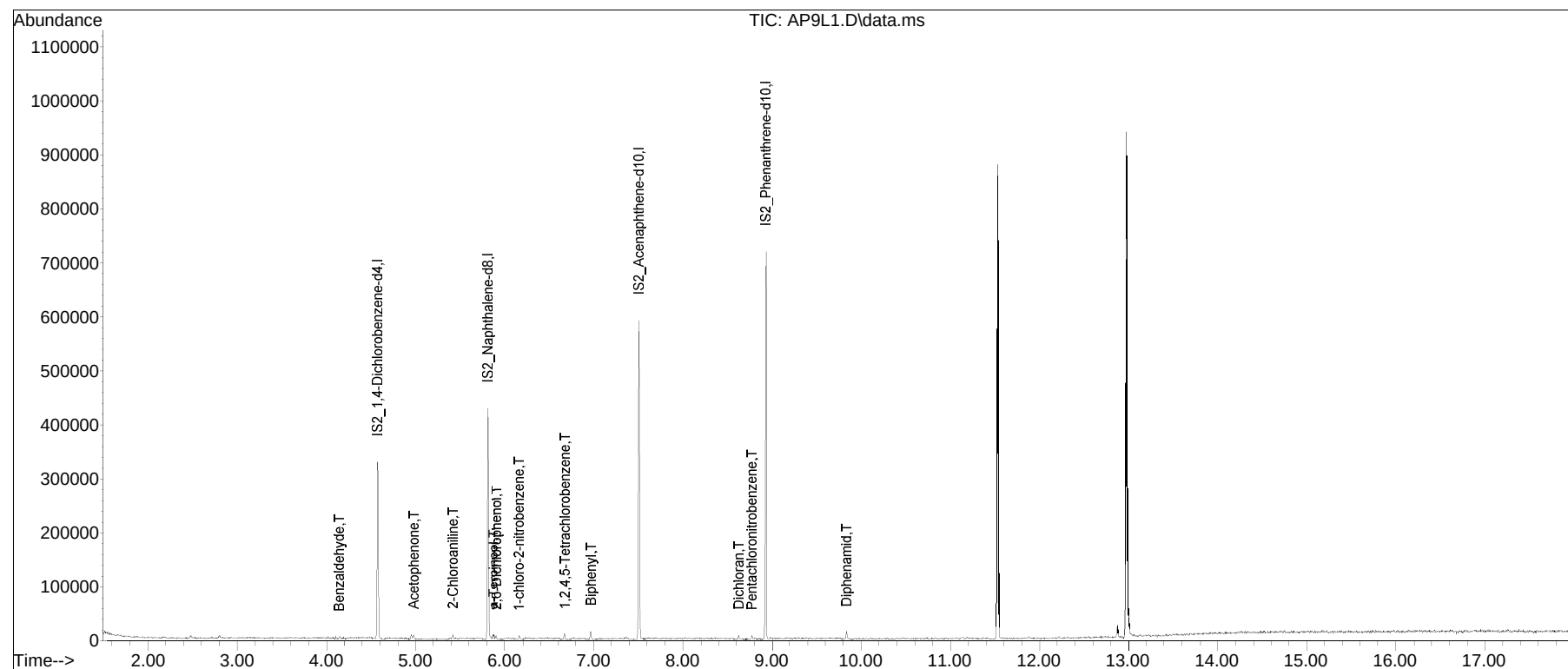
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9L1.D
 Acq On : 20 Aug 2025 7:09 pm
 Operator : Dakota:smz
 Sample : IL10,32,,AP9L0.1 Lot# 11865
 Misc : WG2105679,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 21 10:13:35 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

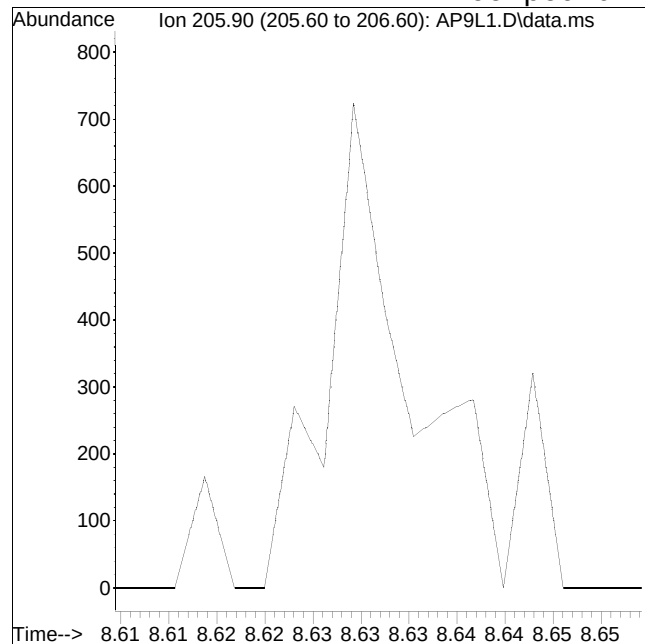
Sub List : ~~AP9L1.D~~ I:\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

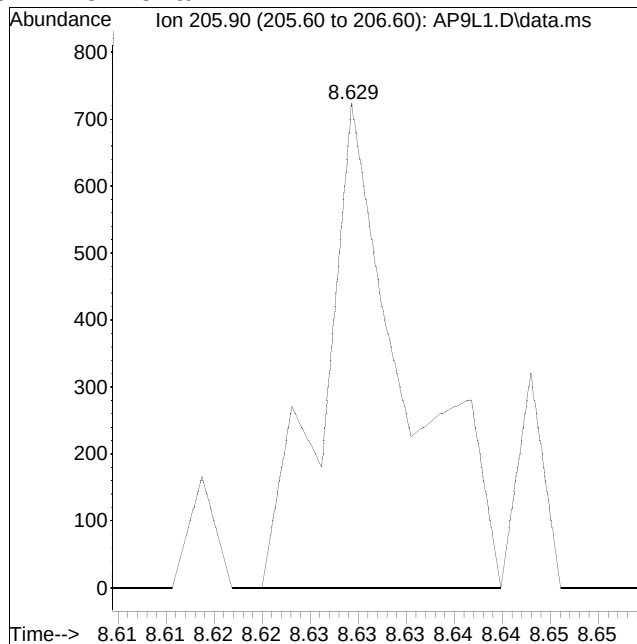
Data Path : I:\8270\Dakota\250820RVTICOM
Data File : AP9L1.D
Date Inj'd : 8/20/2025 7:09 pm
Sample : IL10,32,,AP9L0.1 Lot# 11860
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:51 am

Compound #86: Dichloran



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

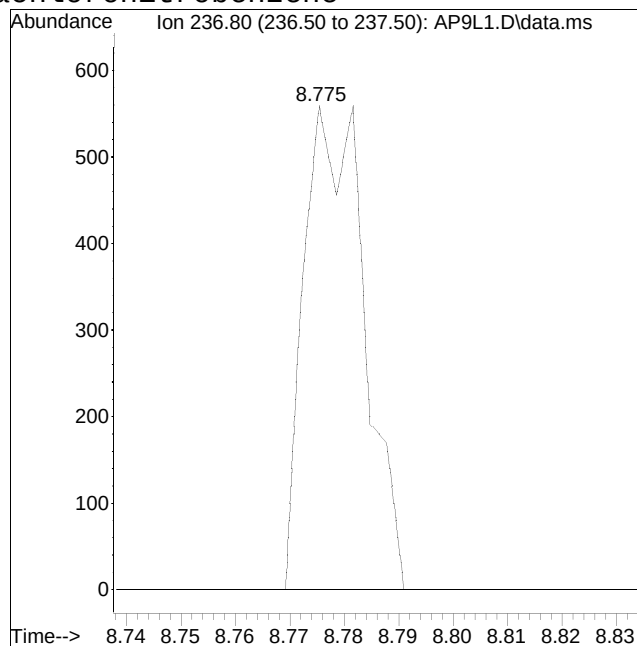
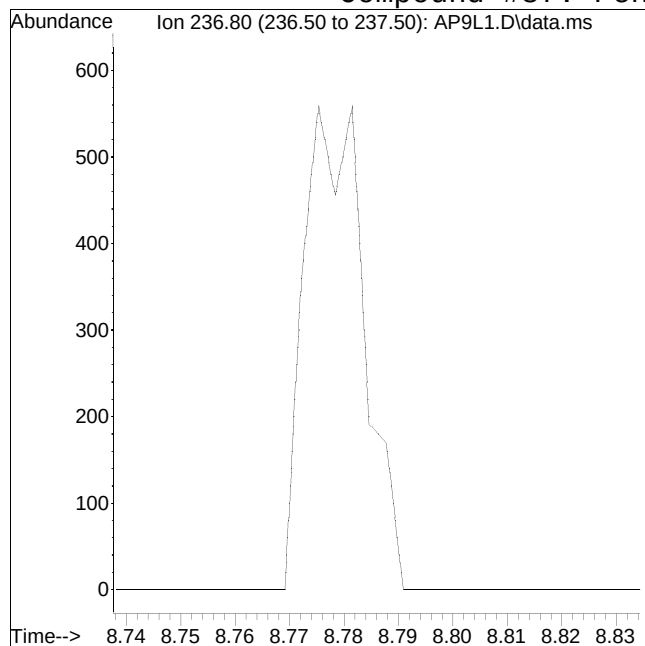


Manual Peak Response = 441 M2

Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQ\data.ms
Data File : AP9L1.D
Date Inj'd : 8/20/2025 7:09 pm
Sample : IL10,32,,AP9L0.1 Lot# 11860
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:51 am

Compound #87: Pentachloronitrobenzene



Original Peak Response = 0

Manual Peak Response = 429 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNICV.D
 Acq On : 20 Aug 2025 7:32 pm
 Operator : Dakota:smz
 Sample : CQICV1,32,,ABNICV Lot# 11854
 Misc : WG2105679,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 07:08:07 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 07:08:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
2 t	n-Nitrosodimethylamine	0.594	0.613	-3.2	101	0.00
3 t	Pyridine *	5.000	6.446	-28.9#	149	0.00
4 S	2-Fluorophenol	0.881	0.939	-6.6	101	0.00
5 T	Aniline	1.484	1.637	-10.3	104	0.00
6 t	2-Chlorophenol	1.075	1.092	-1.6	99	0.00
7 S	Phenol-d6	1.175	1.203	-2.4	103	0.00
8 T	Phenol	1.351	1.384	-2.4	99	0.00
9 T	Bis(2-chloroethyl)ether	0.968	0.924	4.5	96	0.00
10 T	1,3-Dichlorobenzene	1.515	1.452	4.2	96	0.00
11 T	1,4-Dichlorobenzene	1.532	1.473	3.9	95	0.00
12 T	1,2-Dichlorobenzene	1.467	1.436	2.1	96	0.00
13 t	Benzyl alcohol	0.829	0.846	-2.1	100	0.00
14 T	Bis(2-chloroisopropyl)ether	1.724	1.628	5.6	96	0.00
15 T	2-Methylphenol	0.915	0.970	-6.0	101	0.00
16 T	Hexachloroethane	0.539	0.523	3.0	98	0.00
17 T	n-Nitrosodi-n-propylamine	0.797	0.816	-2.4	101	0.00
18 T	3-Methylphenol/4-Methylphen	1.028	1.039	-1.1	101	0.00
19 S	Nitrobenzene-d5	1.117	1.145	-2.5	99	0.00
20 T	Nitrobenzene	1.128	1.143	-1.3	96	0.00
21 T	Isophorone	2.059	2.212	-7.4	102	0.00
22 T	2-Nitrophenol	0.530	0.490	7.5	94	0.00
23 T	2,4-Dimethylphenol	1.061	1.124	-5.9	100	0.00
24 T	Bis(2-chloroethoxy)methane	1.369	1.392	-1.7	100	0.00
25 T	2,4-Dichlorophenol	1.189	1.146	3.6	96	0.00
26 T	1,2,4-Trichlorobenzene	1.494	1.446	3.2	95	0.00
37 I	IS1_Naphthalene-d8	1.000	1.000	0.0	97	0.00
38 T	Naphthalene	0.993	0.986	0.7	99	0.00
39 T	Benzoic Acid *	5.000	4.155	16.9	92	0.00
40 T	4-Chloroaniline	0.127	0.123	3.1	101	0.00
41 T	Hexachlorobutadiene	0.270	0.249	7.8	92	0.00
42 T	p-Chloro-m-cresol	0.263	0.264	-0.4	99	0.00
43 T	2-Methylnaphthalene	0.656	0.652	0.6	98	0.00
44 T	1-Methylnaphthalene	0.245	0.245	0.0	103	0.00
45 T	Hexachlorocyclopentadiene	0.306	0.297	2.9	91	0.00
46 T	2,4,6-Trichlorophenol	0.280	0.267	4.6	93	0.00
47 T	2,4,5-Trichlorophenol	0.310	0.298	3.9	91	0.00
48 S	2-Fluorobiphenyl	0.987	0.935	5.3	94	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNICV.D
 Acq On : 20 Aug 2025 7:32 pm
 Operator : Dakota:smz
 Sample : CQICV1,32,,ABNICV Lot# 11854
 Misc : WG2105679,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 07:08:07 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 07:08:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	2-Chloronaphthalene	0.810	0.775	4.3	94	0.00
50 T	2-Nitroaniline	0.204	0.197	3.4	95	0.00
51 T	1,4-Dinitrobenzene	0.103	0.092	10.7	88	0.00
52 T	1,3-Dinitrobenzene	0.117	0.110	6.0	89	0.00
53 T	Dimethyl phthalate	1.014	0.963	5.0	91	0.00
54 T	Acenaphthylene	1.266	1.303	-2.9	97	0.00
55 T	2,6-Dinitrotoluene	0.199	0.181	9.0	89	0.00
56 T	1,2-Dinitrobenzene	0.074	0.070	5.4	89	0.00
65 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	91	0.00
66 T	3-Nitroaniline	0.274	0.284	-3.6	97	0.00
67 T	Acenaphthene	1.035	1.010	2.4	95	0.00
68 T	2,4-Dinitrophenol	0.158	0.142	10.1	87	0.00
69 T	Dibenzofuran	1.815	1.743	4.0	93	0.00
70 T	2,4-Dinitrotoluene	0.369	0.379	-2.7	92	0.00
71 T	4-Nitrophenol	0.204	0.206	-1.0	93	0.00
72 T	2,3,5,6-Tetrachlorophenol	0.370	0.384	-3.8	95	0.00
73 T	2,3,4,6-Tetrachlorophenol	0.387	0.373	3.6	90	0.00
74 T	Diethyl phthalate	1.394	1.360	2.4	90	0.00
75 T	Fluorene	1.408	1.366	3.0	93	0.00
76 T	4-Chlorophenyl phenyl ether	0.760	0.712	6.3	89	0.00
77 T	4-Nitroaniline	0.270	0.281	-4.1	96	0.00
78 T	4,6-Dinitro-o-cresol	0.236	0.204	13.6	82	0.00
79 T	NDPA/DPA	1.224	1.200	2.0	93	0.00
80 T	Azobenzene	1.155	1.219	-5.5	97	0.00
81 S	2,4,6-Tribromophenol	0.229	0.212	7.4	90	0.00
82 T	4-Bromophenyl phenyl ether	0.488	0.453	7.2	93	0.00
83 T	Hexachlorobenzene	0.564	0.514	8.9	89	0.00
84 T	Pentachlorophenol	0.306	0.298	2.6	92	0.00
90 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	89	0.00
91 T	Phenanthrene	1.097	1.051	4.2	92	0.00
92 T	Anthracene	1.058	1.062	-0.4	93	0.00
93 T	Carbazole	0.981	1.002	-2.1	95	0.00
94 T	Di-n-butylphthalate	1.040	1.090	-4.8	92	0.00
95 T	Fluoranthene	1.319	1.307	0.9	91	0.00
96 T	Benzidine	0.744	0.775	-4.2	94	0.00
97 T	Pyrene	1.411	1.393	1.3	90	0.00
98 S	4-Terphenyl-d14	1.035	1.013	2.1	88	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNICV.D
 Acq On : 20 Aug 2025 7:32 pm
 Operator : Dakota:smz
 Sample : CQICV1,32,,ABNICV Lot# 11854
 Misc : WG2105679,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 07:08:07 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 07:08:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
99 T	Butyl benzyl phthalate	0.461	0.439	4.8	88	0.00
106 I	IS1_Chrysene-d12	1.000	1.000	0.0	87	0.00
107 T	Benzo(a)anthracene	1.215	1.248	-2.7	91	0.00
108 T	3,3'-Dichlorobenzidine	0.438	0.478	-9.1	91	0.00
109 T	Chrysene	1.234	1.182	4.2	88	0.00
110 T	Bis(2-ethylhexyl)phthalate	0.579	0.637	-10.0	85	0.00
111 T	Di-n-octylphthalate	1.024	1.056	-3.1	86	0.00
112 T	Benzo(b)fluoranthene	1.227	1.284	-4.6	93	0.00
113 T	Benzo(k)fluoranthene	1.227	1.242	-1.2	87	0.00
114 T	Benzo(a)pyrene	1.119	1.193	-6.6	91	0.00
115 I	IS1_Perylene-d12	1.000	1.000	0.0	87	0.00
116 T	Indeno(1,2,3-cd)pyrene	1.122	1.122	0.0	88	0.00
117 T	Dibenzo(a,h)anthracene	1.132	1.116	1.4	87	0.00
118 T	Benzo(ghi)perylene	1.145	1.129	1.4	89	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNICV.D
 Acq On : 20 Aug 2025 7:32 pm
 Operator : Dakota:smz
 Sample : CQICV1,32,,ABNICV Lot# 11854
 Misc : WG2105679,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 07:08:07 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 07:08:56 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.579	152	55663	4.000	ug/ml	0.00
Standard Area 1 = 57258			Recovery =	97.21%		
37) IS1_Naphthalene-d8	5.810	136	198836	4.000	ug/ml	# 0.00
Standard Area 1 = 205727			Recovery =	96.65%		
65) IS1_Acenaphthene-d10	7.507	164	138463	4.000	ug/ml	0.00
Standard Area 1 = 152249			Recovery =	90.95%		
90) IS1_Phenanthrene-d10	8.931	188	300694	4.000	ug/ml	0.00
Standard Area 1 = 336420			Recovery =	89.38%		
106) IS1_Chrysene-d12	11.535	240	342005	4.000	ug/ml	0.00
Standard Area 1 = 394707			Recovery =	86.65%		
115) IS1_Perylene-d12	12.978	264	376978	4.000	ug/ml	0.00
Standard Area 1 = 434493			Recovery =	86.76%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.302	112	65309	5.327	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	266.35%#		
7) Phenol-d6	4.259	99	83696	5.117	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	255.85%#		
19) Nitrobenzene-d5	5.120	82	79641	5.124	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	512.40%#		
48) 2-Fluorobiphenyl	6.879	172	232366	4.735	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	473.50%#		
81) 2,4,6-Tribromophenol	8.266	330	36623	4.612	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	230.60%#		
98) 4-Terphenyl-d14	10.500	244	380699	4.893	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	489.30%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.903	74	42622	5.154	ug/ml	89
3) Pyridine	1.941	79	76169	6.446	ug/ml#	59
5) Aniline	4.259	93	113886	5.516	ug/ml#	50
6) 2-Chlorophenol	4.371	128	76004	5.080	ug/ml#	86
8) Phenol	4.272	94	96276	5.120	ug/ml#	45
9) Bis(2-chloroethyl)ether	4.343	93	64268	4.773	ug/ml	98
10) 1,3-Dichlorobenzene	4.520	146	101056	4.792	ug/ml	94
11) 1,4-Dichlorobenzene	4.595	146	102489	4.808	ug/ml	93
12) 1,2-Dichlorobenzene	4.741	146	99894	4.892	ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNICV.D
 Acq On : 20 Aug 2025 7:32 pm
 Operator : Dakota:smz
 Sample : CQICV1,32,,ABNICV Lot# 11854
 Misc : WG2105679,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 07:08:07 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 07:08:56 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.732	79	58881	5.106	ug/ml	95
14) Bis(2-chloroisopropyl)...	4.884	45	113284	4.722	ug/ml#	93
15) 2-Methylphenol	4.862	108	67519	5.301	ug/ml	99
16) Hexachloroethane	5.071	117	36373	4.846	ug/ml#	50
17) n-Nitrosodi-n-propylamine	5.002	70	56772	5.119	ug/ml#	87
18) 3-Methylphenol/4-Methy...	5.018	108	72315	5.055	ug/ml	99
20) Nitrobenzene	5.136	77	79502	5.063	ug/ml	93
21) Isophorone	5.378	82	153910	5.371	ug/ml#	93
22) 2-Nitrophenol	5.453	139	34067	4.623	ug/ml#	90
23) 2,4-Dimethylphenol	5.531	107	78183	5.296	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.618	93	96831	5.083	ug/ml#	96
25) 2,4-Dichlorophenol	5.689	162	79756	4.821	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.767	180	100593	4.837	ug/ml#	95
38) Naphthalene	5.832	128	244949	4.960	ug/ml	100
39) Benzoic Acid	5.599	105	30004	4.155	ug/ml	90
40) 4-Chloroaniline	5.904	65	30594	4.861	ug/ml	83
41) Hexachlorobutadiene	5.981	225	61783	4.608	ug/ml	99
42) p-Chloro-m-cresol	6.398	107	65704	5.026	ug/ml	88
43) 2-Methylnaphthalene	6.510	142	162085	4.974	ug/ml	95
44) 1-Methylnaphthalene	6.600	115	60980	5.014	ug/ml	98
45) Hexachlorocyclopentadiene	6.677	237	73919	4.867	ug/ml	99
46) 2,4,6-Trichlorophenol	6.792	196	66377	4.764	ug/ml	98
47) 2,4,5-Trichlorophenol	6.820	196	74028	4.809	ug/ml	99
49) 2-Chloronaphthalene	6.970	162	192583	4.781	ug/ml	92
50) 2-Nitroaniline	7.081	138	48952	4.828	ug/ml	83
51) 1,4-Dinitrobenzene	7.215	168	22936	4.473	ug/ml	83
52) 1,3-Dinitrobenzene	7.290	168	27366	4.690	ug/ml#	1
53) Dimethyl phthalate	7.287	163	239248	4.745	ug/ml#	98
54) Acenaphthylene	7.367	152	323731	5.144	ug/ml	98
55) 2,6-Dinitrotoluene	7.327	165	45040	4.549	ug/ml#	79
56) 1,2-Dinitrobenzene	7.367	168	17353	4.737	ug/ml#	1
66) 3-Nitroaniline	7.479	138	49215	5.188	ug/ml	89
67) Acenaphthene	7.538	154	174866	4.882	ug/ml	88
68) 2,4-Dinitrophenol	7.579	184	24501	4.476	ug/ml#	77
69) Dibenzofuran	7.706	168	301655	4.802	ug/ml	90
70) 2,4-Dinitrotoluene	7.712	165	65537	5.127	ug/ml	89
71) 4-Nitrophenol	7.669	65	35713	5.069	ug/ml#	82
72) 2,3,5,6-Tetrachlorophenol	7.796	232	66539	5.200	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ABNICV.D
 Acq On : 20 Aug 2025 7:32 pm
 Operator : Dakota:smz
 Sample : CQICV1,32,,ABNICV Lot# 11854
 Misc : WG2105679,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 07:08:07 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 07:08:56 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73)	2,3,4,6-Tetrachlorophenol	7.837	232	64549	4.819	ug/ml	94
74)	Diethyl phthalate	7.973	149	235390	4.877	ug/ml	99
75)	Fluorene	8.036	166	236433	4.852	ug/ml	90
76)	4-Chlorophenyl phenyl ...	8.057	204	123299	4.684	ug/ml#	83
77)	4-Nitroaniline	8.061	138	48626	5.194	ug/ml#	80
78)	4,6-Dinitro-o-cresol	8.098	198	35373	4.323	ug/ml#	56
79)	NDPA/DPA	8.172	169	207618	4.900	ug/ml	90
80)	Azobenzene	8.207	77	210964	5.278	ug/ml	96
82)	4-Bromophenyl phenyl e...	8.524	248	78421	4.643	ug/ml#	81
83)	Hexachlorobenzene	8.570	284	89014	4.563	ug/ml#	83
84)	Pentachlorophenol	8.763	266	51565	4.863	ug/ml	98
91)	Phenanthrene	8.953	178	395105	4.791	ug/ml	98
92)	Anthracene	9.002	178	399217	5.018	ug/ml	99
93)	Carbazole	9.167	167	376746	5.108	ug/ml	98
94)	Di-n-butylphthalate	9.562	149	409517	5.238	ug/ml	99
95)	Fluoranthene	10.096	202	491421	4.957	ug/ml#	90
96)	Benzidine	10.252	184	291243	5.206	ug/ml#	92
97)	Pyrene	10.308	202	523428	4.936	ug/ml	98
99)	Butyl benzyl phthalate	11.019	149	164937	4.763	ug/ml	86
107)	Benzo(a)anthracene	11.526	228	533403	5.134	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.529	252	204486	5.457	ug/ml#	95
109)	Chrysene	11.560	228	505259	4.788	ug/ml	97
110)	Bis(2-ethylhexyl)phtha...	11.657	149	272365	5.501	ug/ml#	92
111)	Di-n-octylphthalate	12.325	149	451519	5.155	ug/ml#	75
112)	Benzo(b)fluoranthene	12.614	252	548854	5.231	ug/ml#	91
113)	Benzo(k)fluoranthene	12.642	252	531005	5.063	ug/ml#	91
114)	Benzo(a)pyrene	12.925	252	510132M3	5.330	ug/ml	
116)	Indeno(1,2,3-cd)pyrene	13.929	276	528526M6	4.996	ug/mL	
117)	Dibenzo(a,h)anthracene	13.953	278	525967	4.930	ug/ml#	89
118)	Benzo(ghi)perylene	14.165	276	532012	4.931	ug/ml#	85

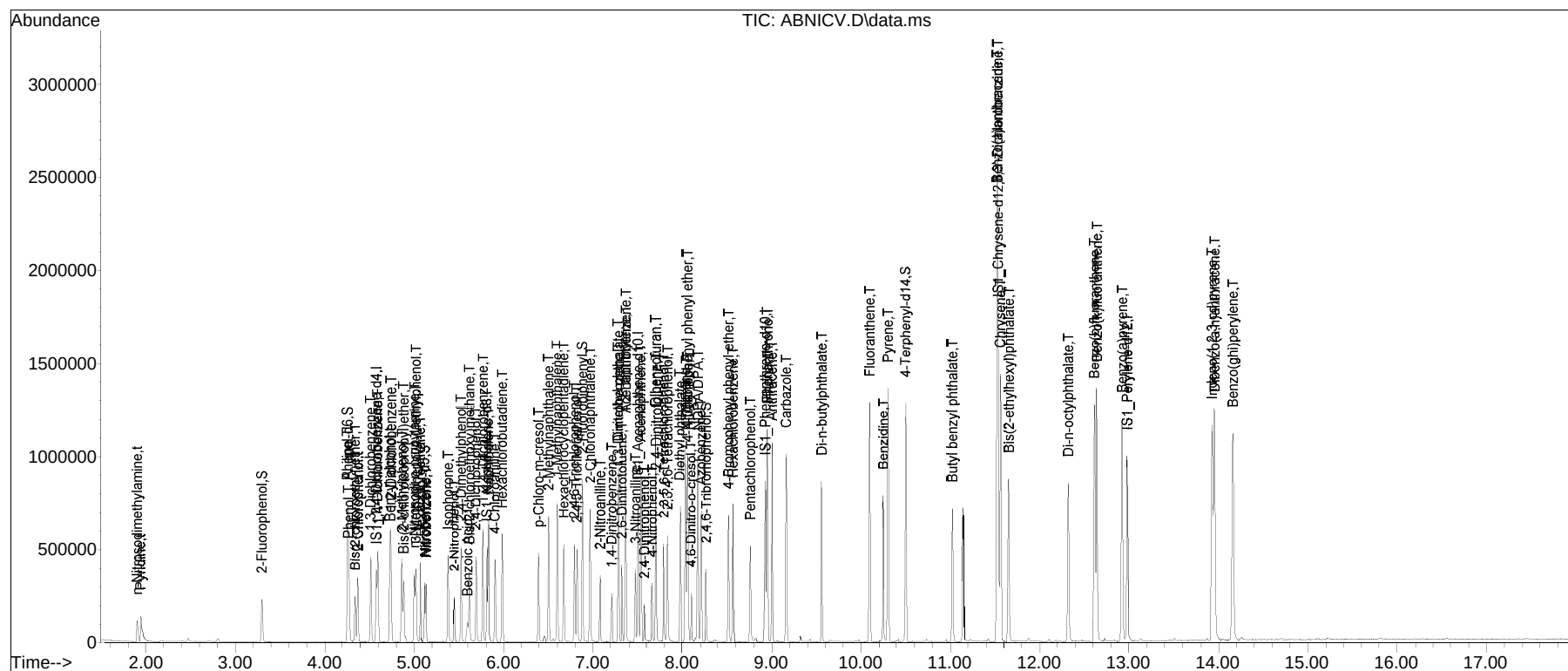
(#) = qualifier out of range (m) = manual integration (+) = signals summed

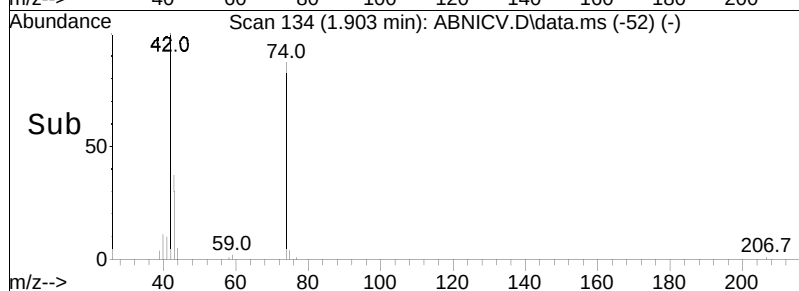
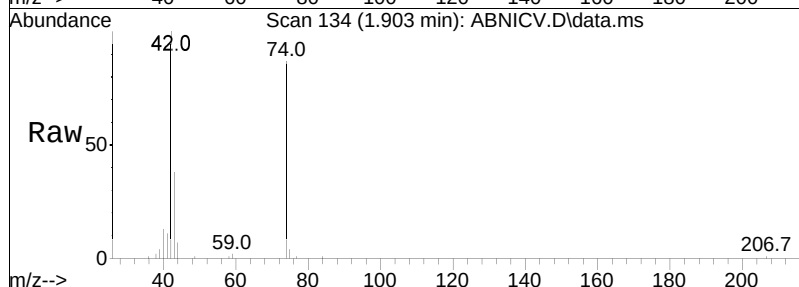
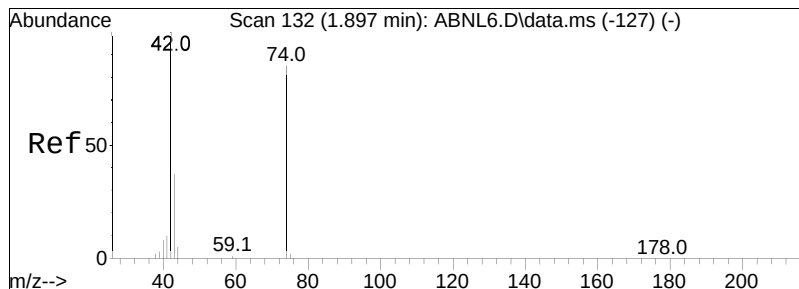
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820\RTICAL\
Data File : ABNICV.D
Acq On : 20 Aug 2025 7:32 pm
Operator : Dakota:smz
Sample : CQICV1,32,,ABNICV Lot# 11854
Misc : WG2105679,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 07:08:07 2025
Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 21 07:08:56 2025
Response via : Initial Calibration

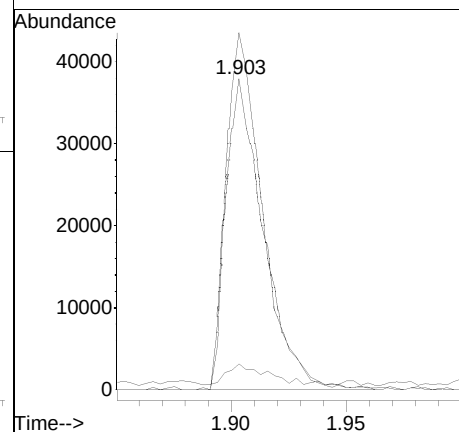
Sub List : ABNITa\8270ABNakoaa\850820RVTICAL\AP9L6.D•

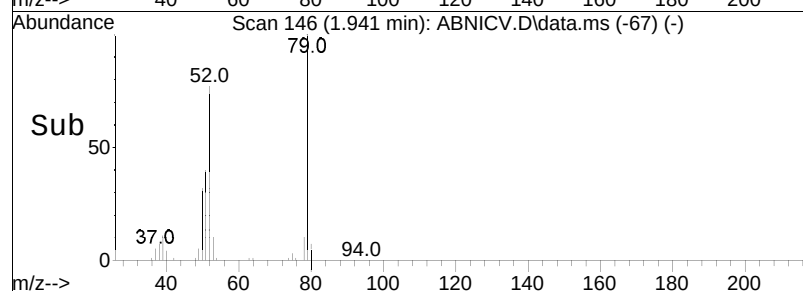
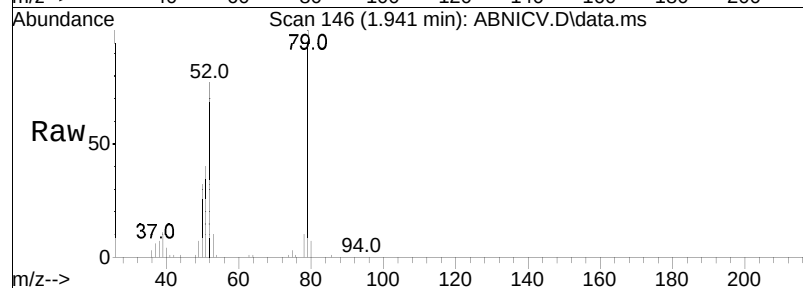
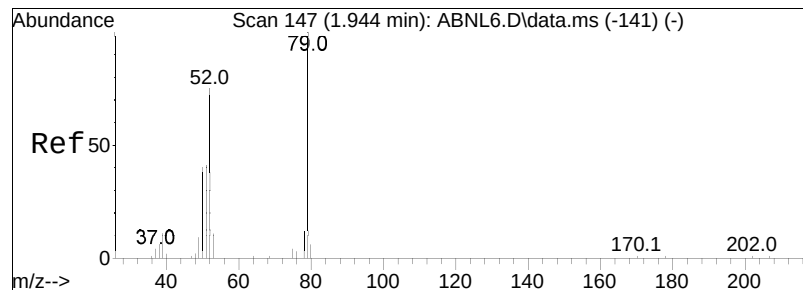




#2
 n-Nitrosodimethylamine
 Concen: 5.15 ug/ml
 RT: 1.903 min Scan# 134
 Delta R.T. 0.006 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

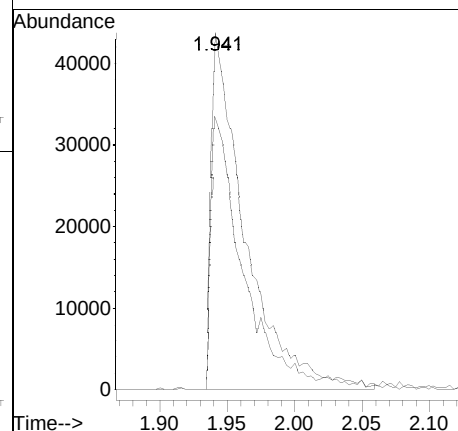
Tgt Ion	Ratio	Lower	Upper
74	100		
42	112.0	100.0	150.0
44	7.1	6.7	10.1

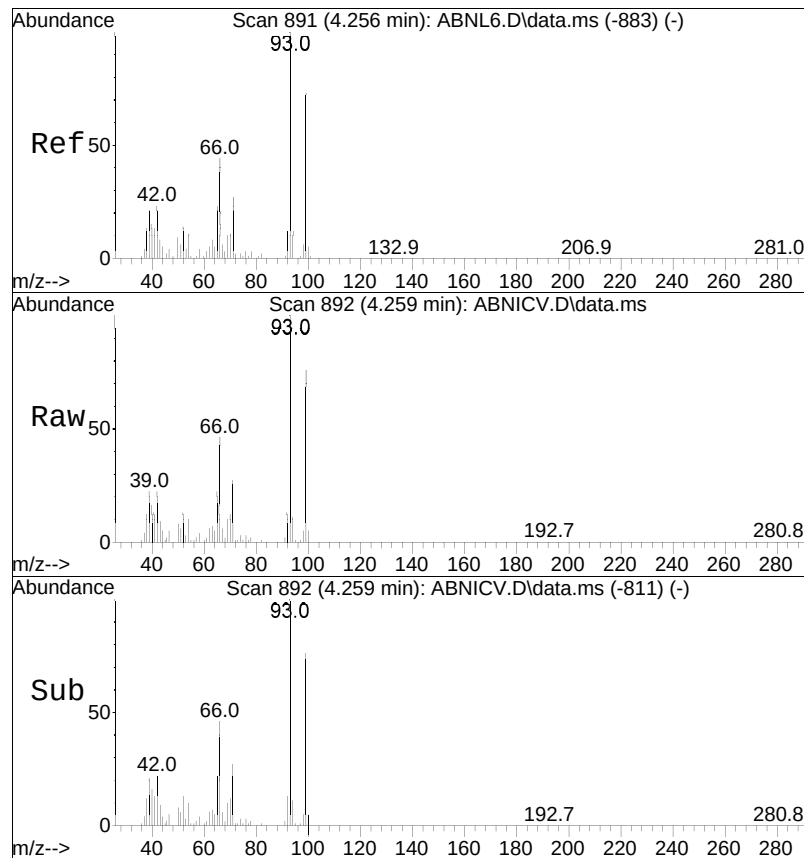




#3
 Pyridine
 Concen: 6.45 ug/ml
 RT: 1.941 min Scan# 146
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

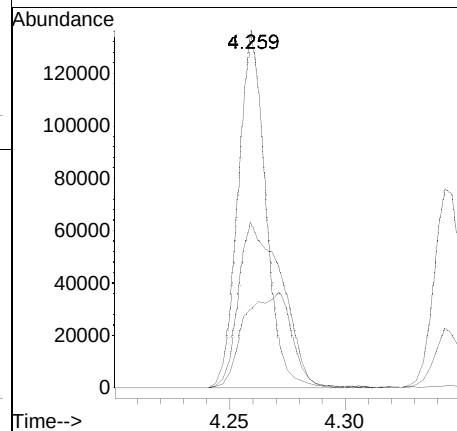
Tgt Ion	Ratio	Lower	Upper
79	100		
52	71.3	93.1	139.7#

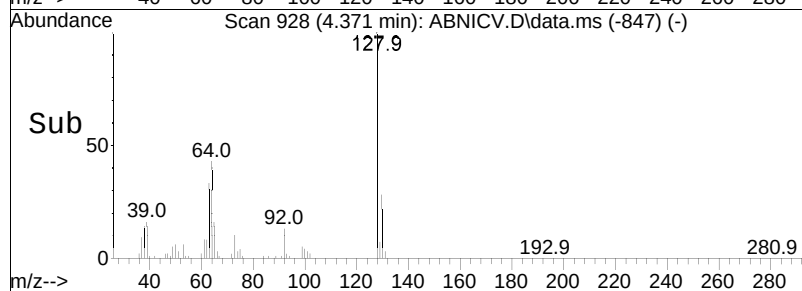
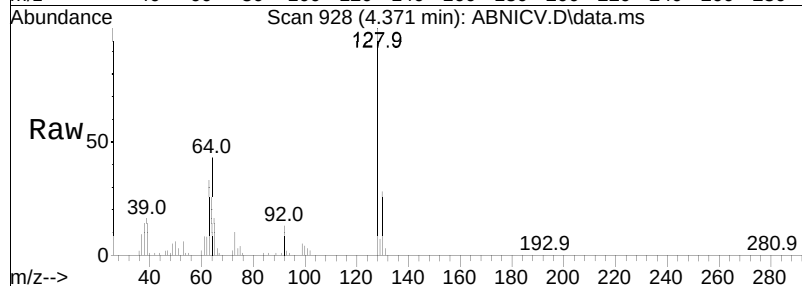
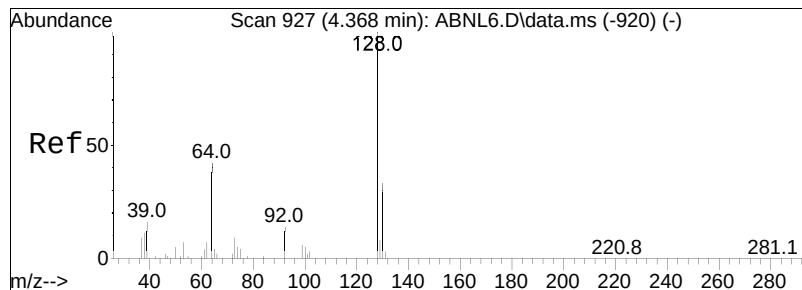




#5
 Aniline
 Concen: 5.52 ug/ml
 RT: 4.259 min Scan# 892
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

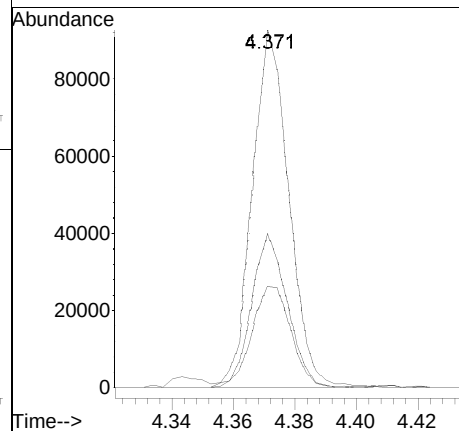
Tgt	Ion	Ratio	Resp	Lower	Upper
93	100		113886		
66	72.8	32.6	49.0#		
65	45.3	17.6	26.4#		

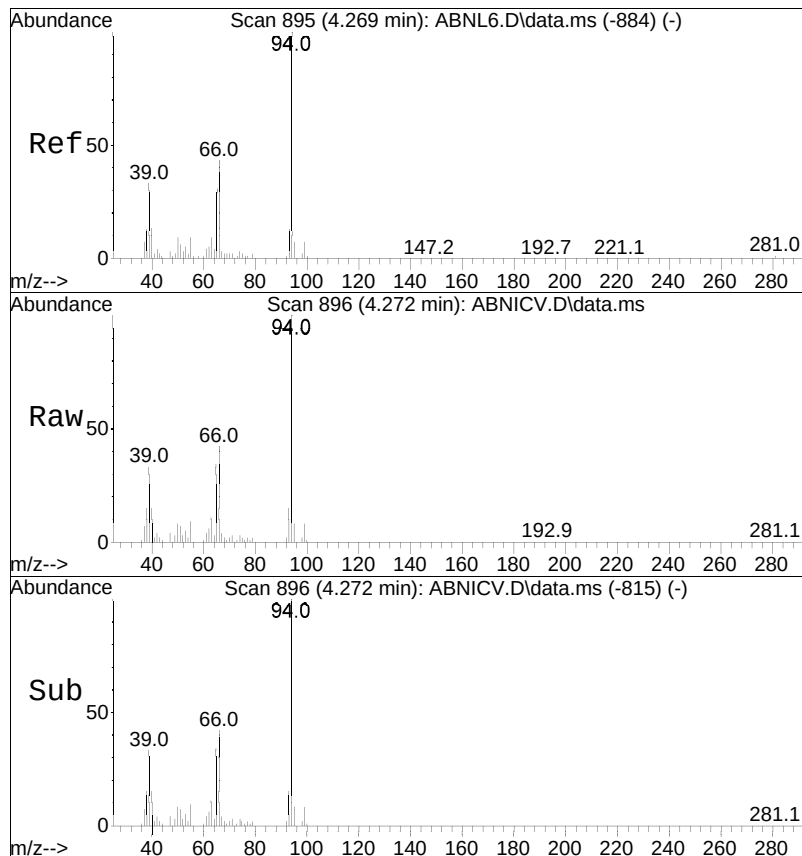




#6
 2-Chlorophenol
 Concen: 5.08 ug/ml
 RT: 4.371 min Scan# 928
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

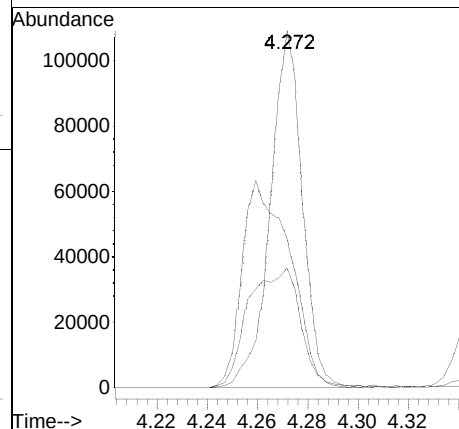
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	76004		
64	42.1		45.1	67.7#
130	30.4		26.2	39.4

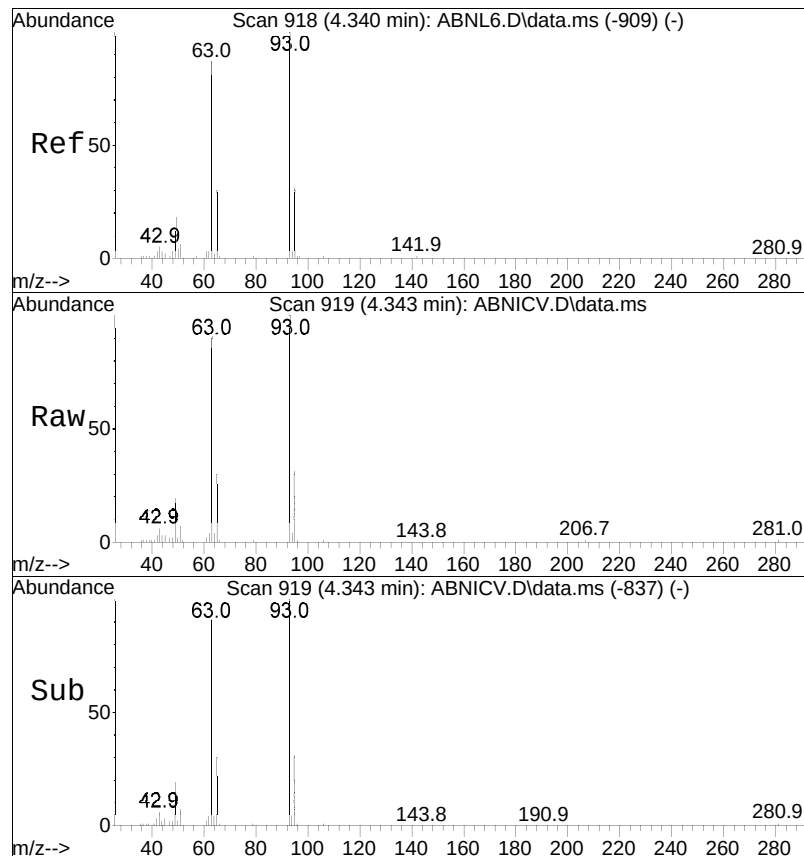




#8
 Phenol
 Concen: 5.12 ug/ml
 RT: 4.272 min Scan# 896
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

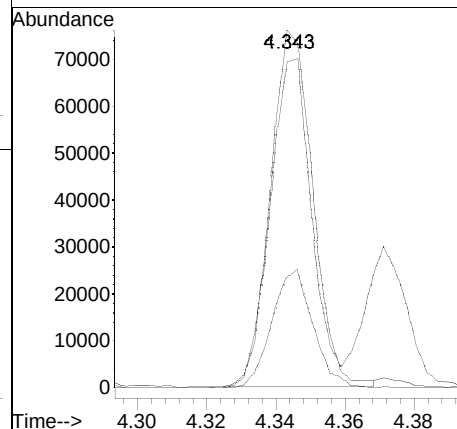
Tgt Ion:	94	Resp:	96276
Ion Ratio	Lower	Upper	
94	100		
65	53.5	26.0	39.0#
66	86.1	33.8	50.8#

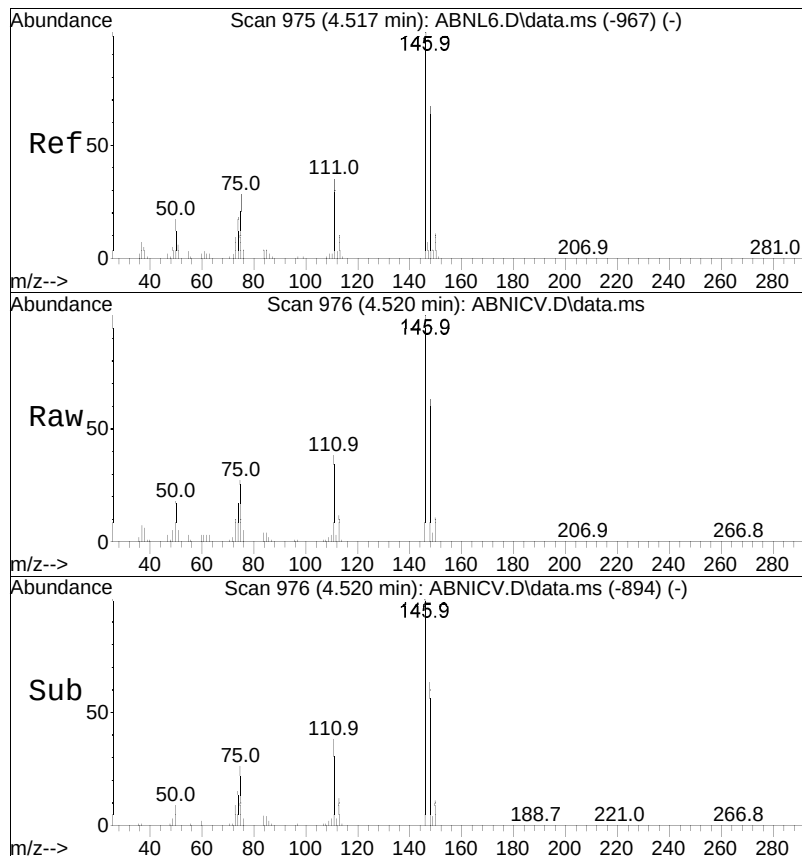




#9
 Bis(2-chloroethyl)ether
 Concen: 4.77 ug/ml
 RT: 4.343 min Scan# 919
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

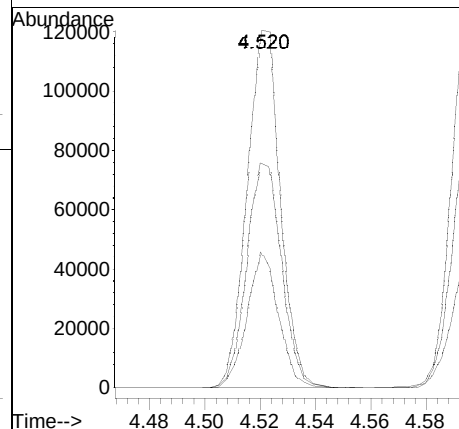
Tgt Ion:	93	Resp:	64268
Ion Ratio	Lower	Upper	
93	100		
63	90.6	74.6	111.8
95	32.3	25.9	38.9

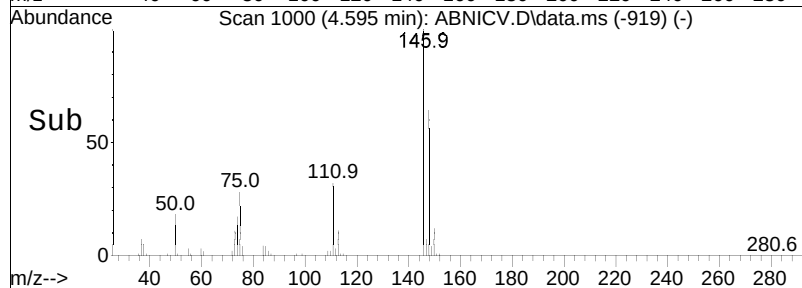
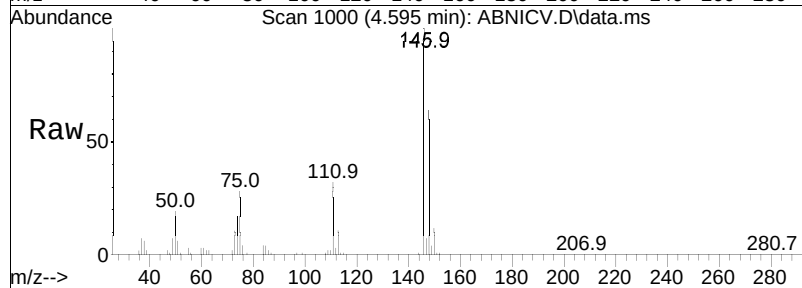
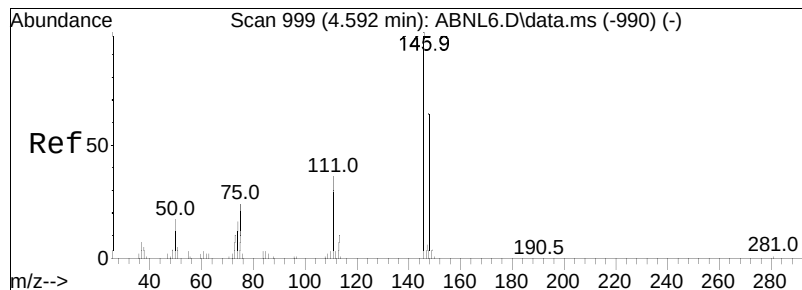




#10
 1,3-Dichlorobenzene
 Concen: 4.79 ug/ml
 RT: 4.520 min Scan# 976
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

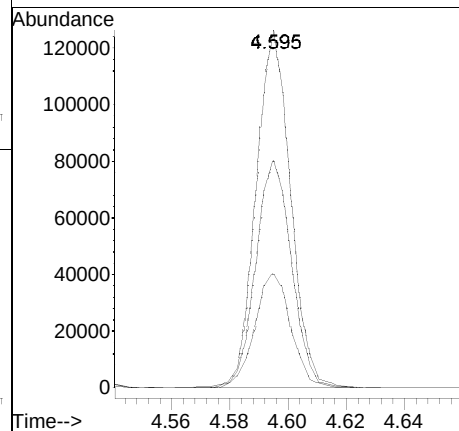
Tgt Ion:	146	Resp:	101056
Ion Ratio	Lower	Upper	
146	100		
111	35.9	34.3	51.5
148	65.6	50.8	76.2

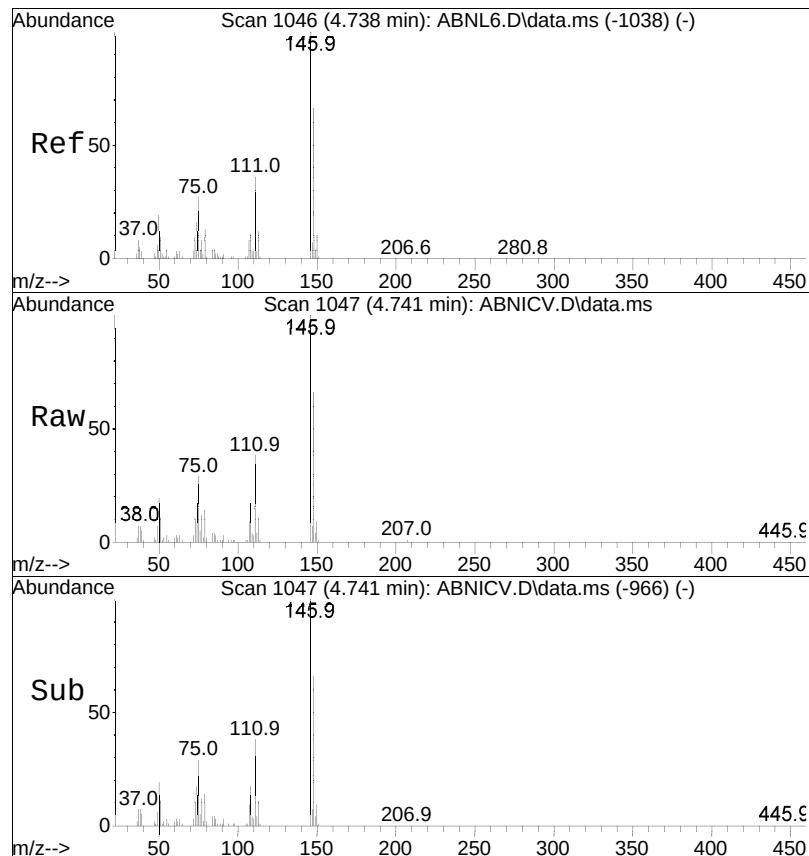




#11
 1,4-Dichlorobenzene
 Concen: 4.81 ug/ml
 RT: 4.595 min Scan# 1000
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

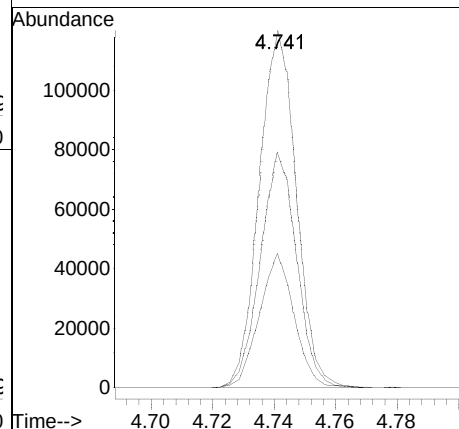
Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.2	50.7	76.1
111	34.2	33.4	50.0

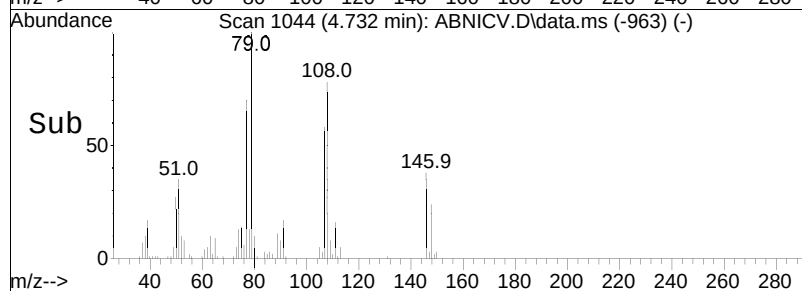
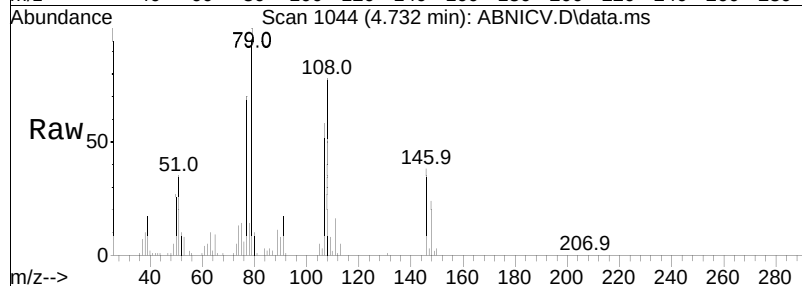
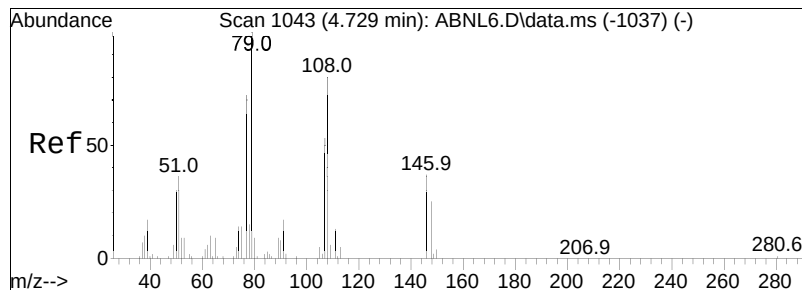




#12
 1,2-Dichlorobenzene
 Concen: 4.89 ug/ml
 RT: 4.741 min Scan# 1047
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

Tgt Ion:	146	Resp:	99894
Ion Ratio	Lower	Upper	
146	100		
111	35.5	34.6	52.0
148	64.7	50.2	75.4





#13

Benzyl alcohol

Concen: 5.11 ug/ml

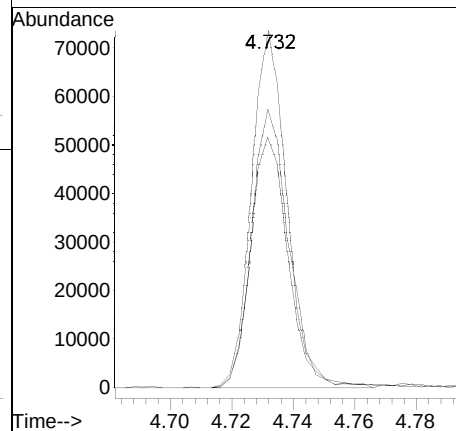
RT: 4.732 min Scan# 1044

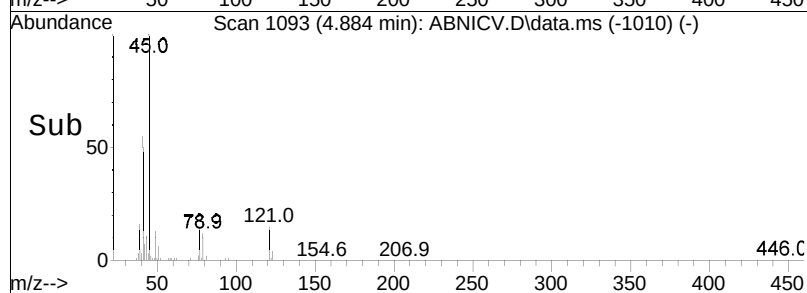
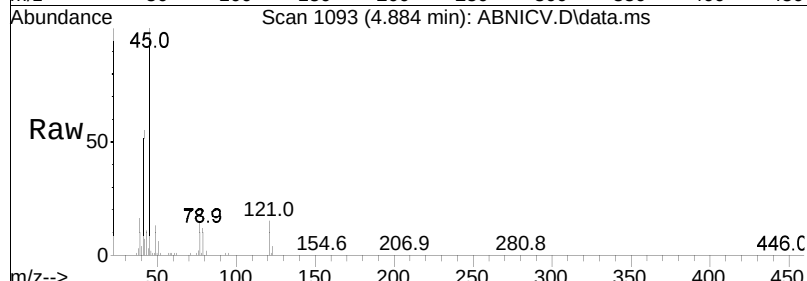
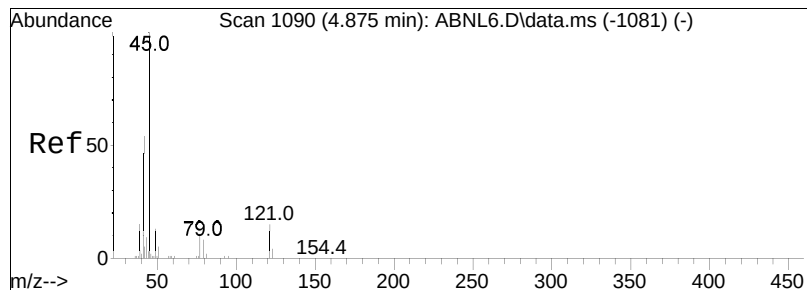
Delta R.T. 0.003 min

Lab File: ABNICV.D

Acq: 20 Aug 2025 7:32 pm

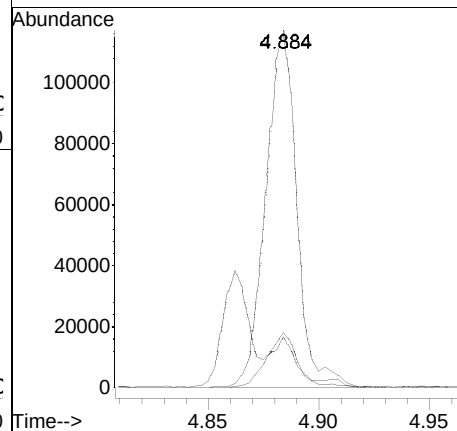
Tgt Ion:	79	Resp:	58881
Ion Ratio	Lower	Upper	
79	100		
77	74.1	54.9	82.3
108	82.3	63.1	94.7

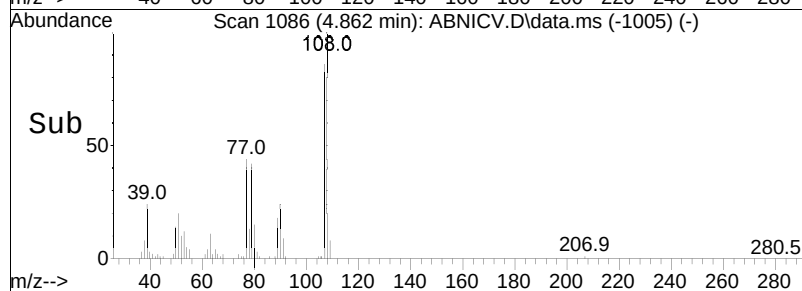
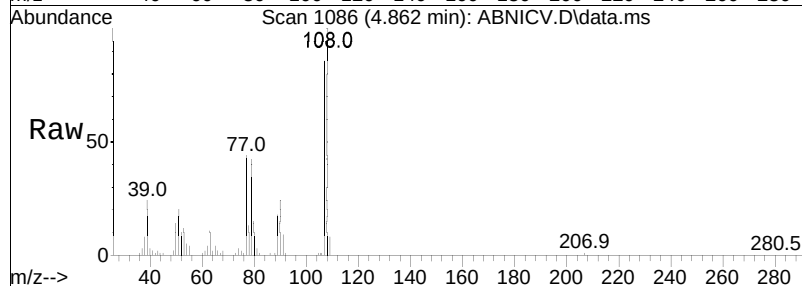
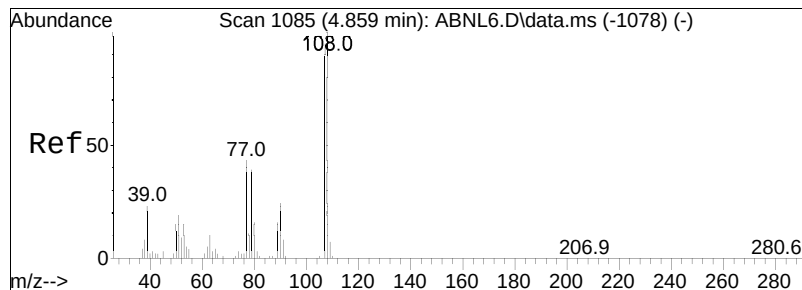




#14
 Bis(2-chloroisopropyl)ether
 Concen: 4.72 ug/ml
 RT: 4.884 min Scan# 1093
 Delta R.T. 0.009 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

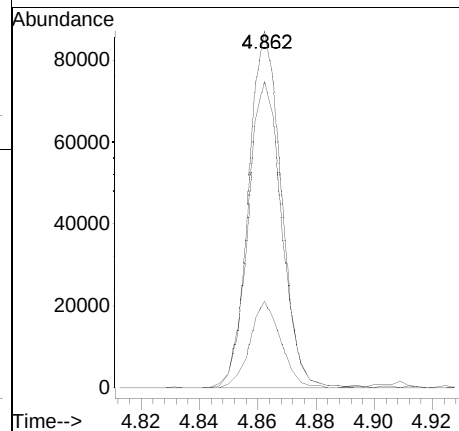
Tgt Ion	Ratio	Lower	Upper
45	100		
121	15.4	9.8	14.6#
77	9.3	6.1	9.1#

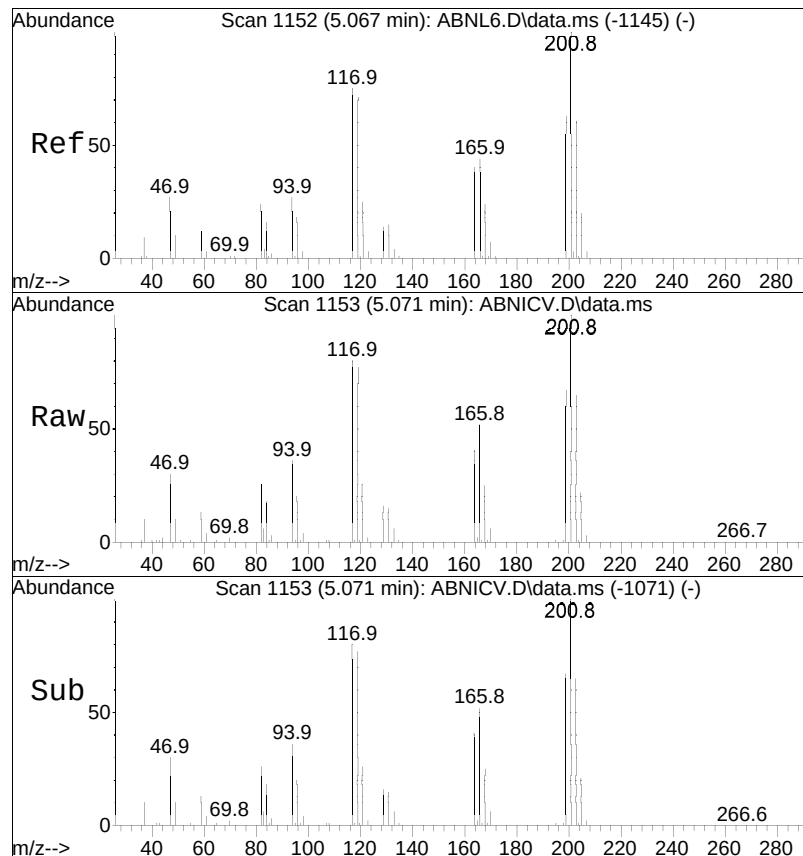




#15
 2-Methylphenol
 Concen: 5.30 ug/ml
 RT: 4.862 min Scan# 1086
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

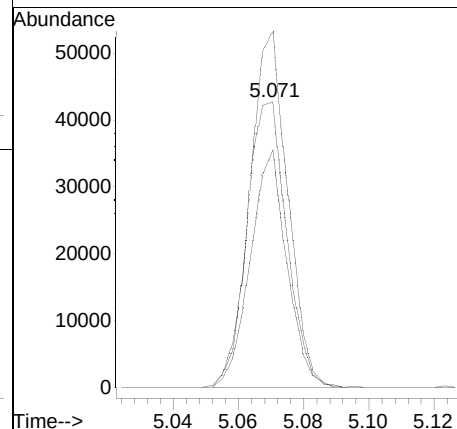
Tgt Ion	Ratio	Lower	Upper
108	100		
107	89.2	70.7	106.1
90	23.0	18.7	28.1

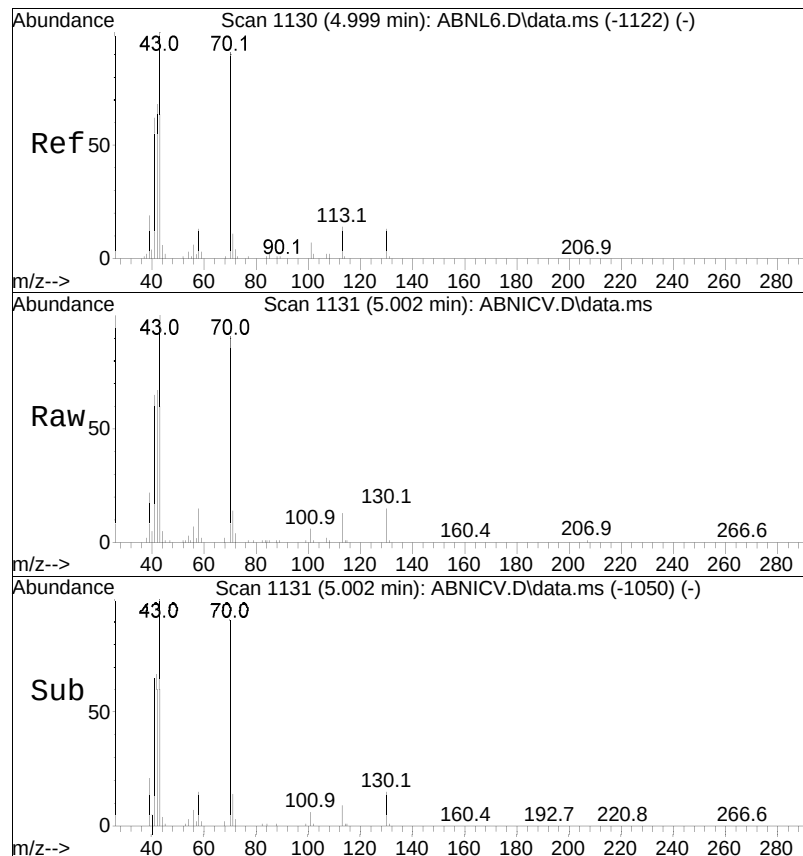




#16
 Hexachloroethane
 Concen: 4.85 ug/ml
 RT: 5.071 min Scan# 1153
 Delta R.T. 0.004 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

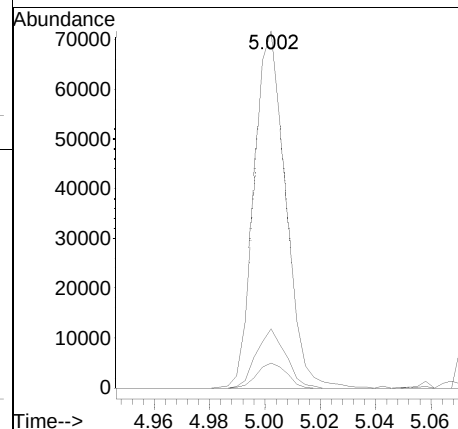
Tgt Ion	Ratio	Lower	Upper
117	100		
201	118.0	58.6	87.8#
199	76.1	36.9	55.3#

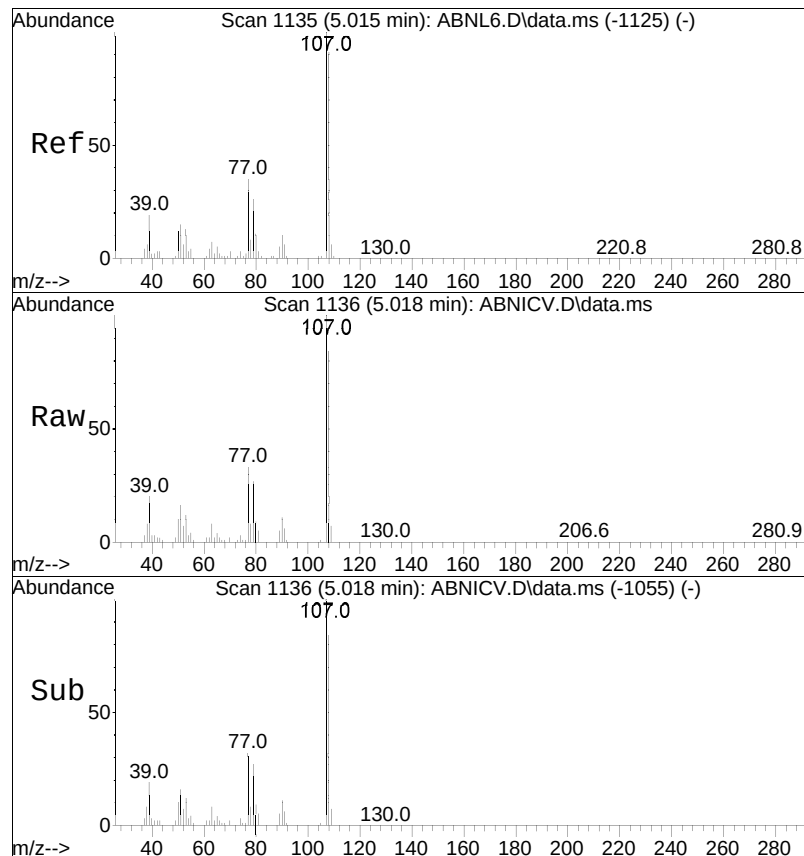




#17
 n-Nitrosodi-n-propylamine
 Concen: 5.12 ug/ml
 RT: 5.002 min Scan# 1131
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

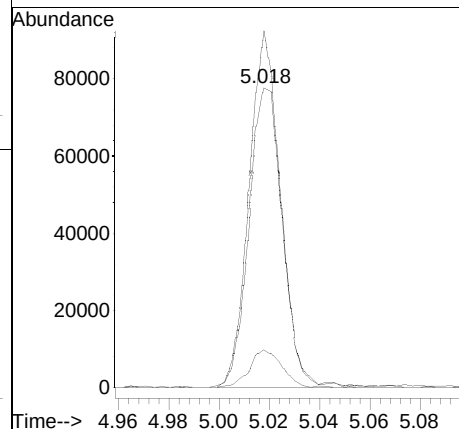
Tgt Ion:	70	Resp:	56772
Ion Ratio	Lower	Upper	
70	100		
130	15.4	18.2	27.4#
101	6.6	7.8	11.8#

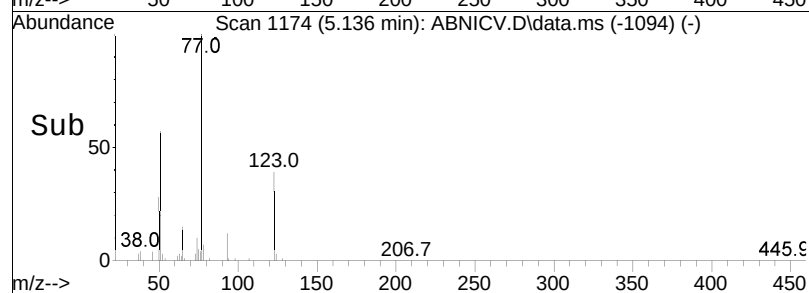
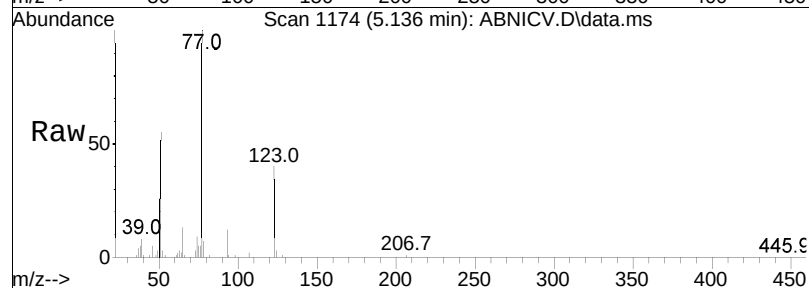
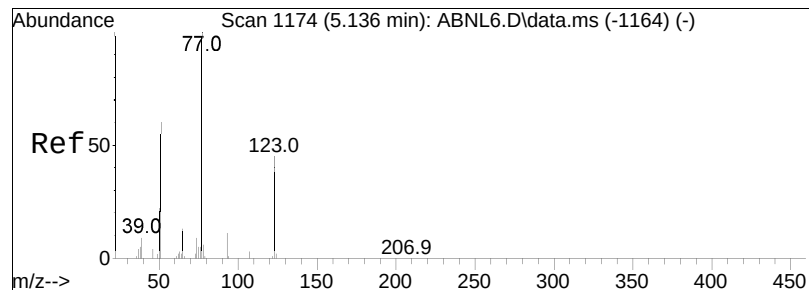




#18
 3-Methylphenol/4-Methylphenol
 Concen: 5.06 ug/ml
 RT: 5.018 min Scan# 1136
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

Tgt	Ion:108	Resp:	72315
Ion	Ratio	Lower	Upper
108	100		
107	111.2	88.6	132.8
90	12.1	8.8	13.2





#20

Nitrobenzene

Concen: 5.06 ug/ml

RT: 5.136 min Scan# 1174

Delta R.T. -0.000 min

Lab File: ABNICV.D

Acq: 20 Aug 2025 7:32 pm

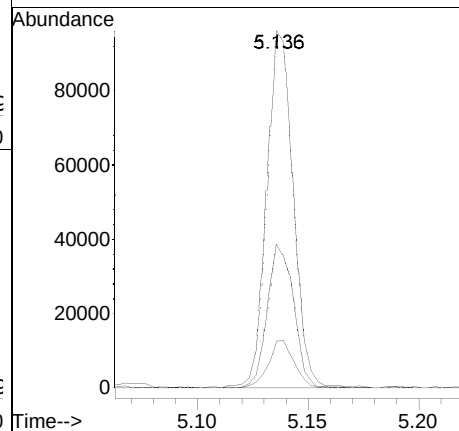
Tgt Ion: 77 Resp: 79502

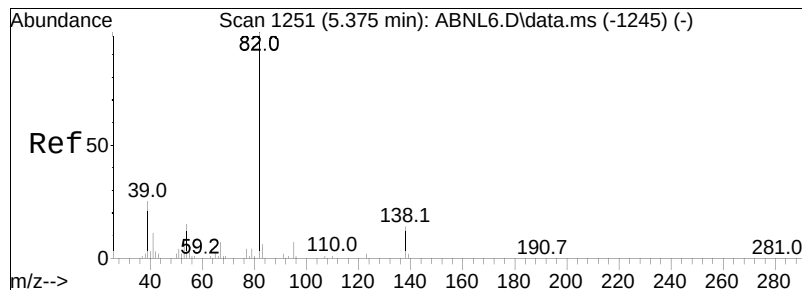
Ion Ratio Lower Upper

77 100

123 40.0 36.3 54.5

65 13.3 11.6 17.4





#21

Isophorone

Concen: 5.37 ug/ml

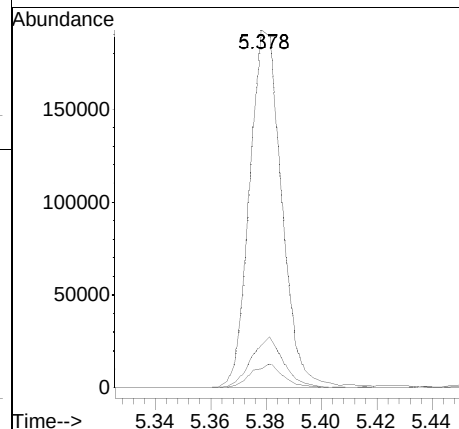
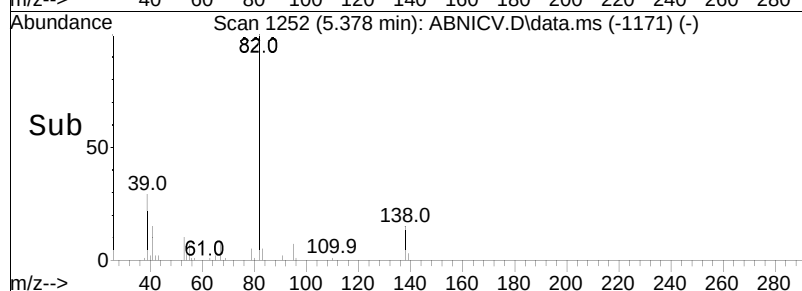
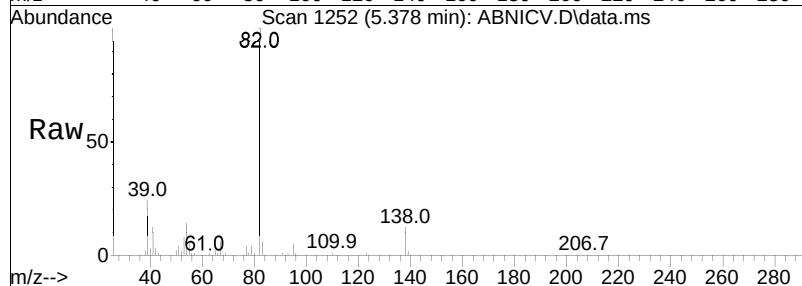
RT: 5.378 min Scan# 1252

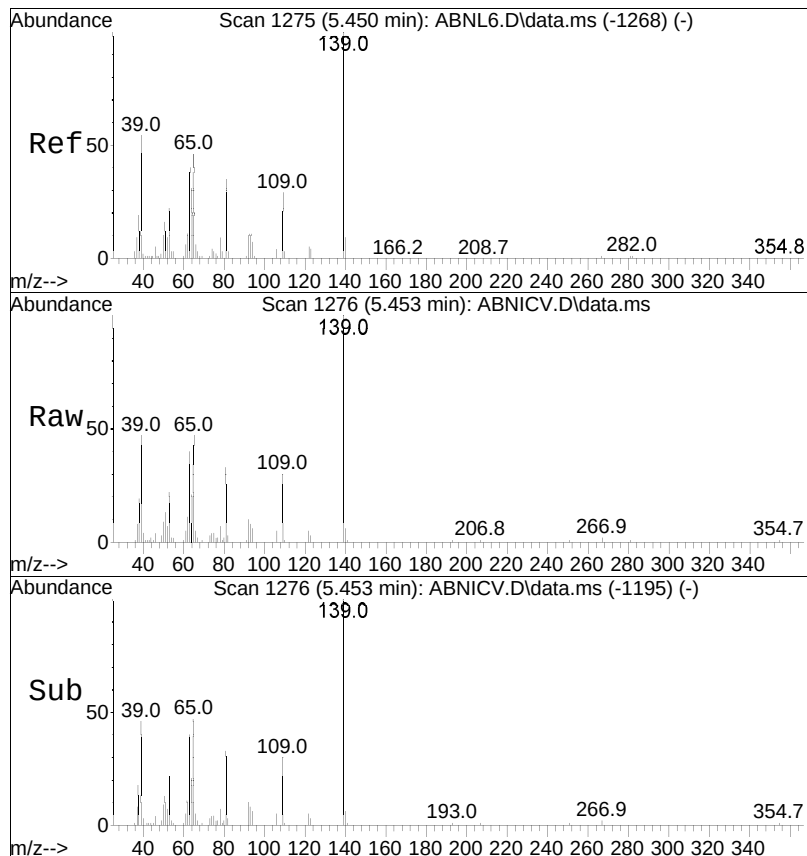
Delta R.T. 0.003 min

Lab File: ABNICV.D

Acq: 20 Aug 2025 7:32 pm

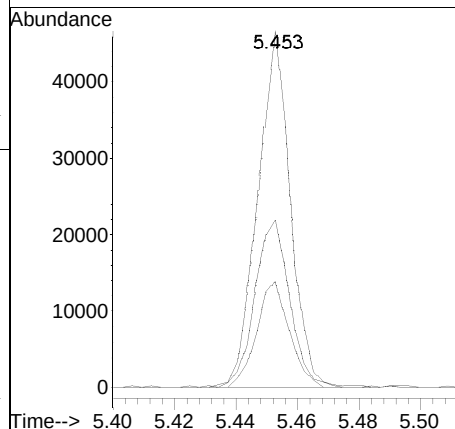
Tgt	Ion: 82	Resp:	153910
Ion	Ratio	Lower	Upper
82	100		
138	14.1	14.7	22.1#
95	6.4	5.2	7.8

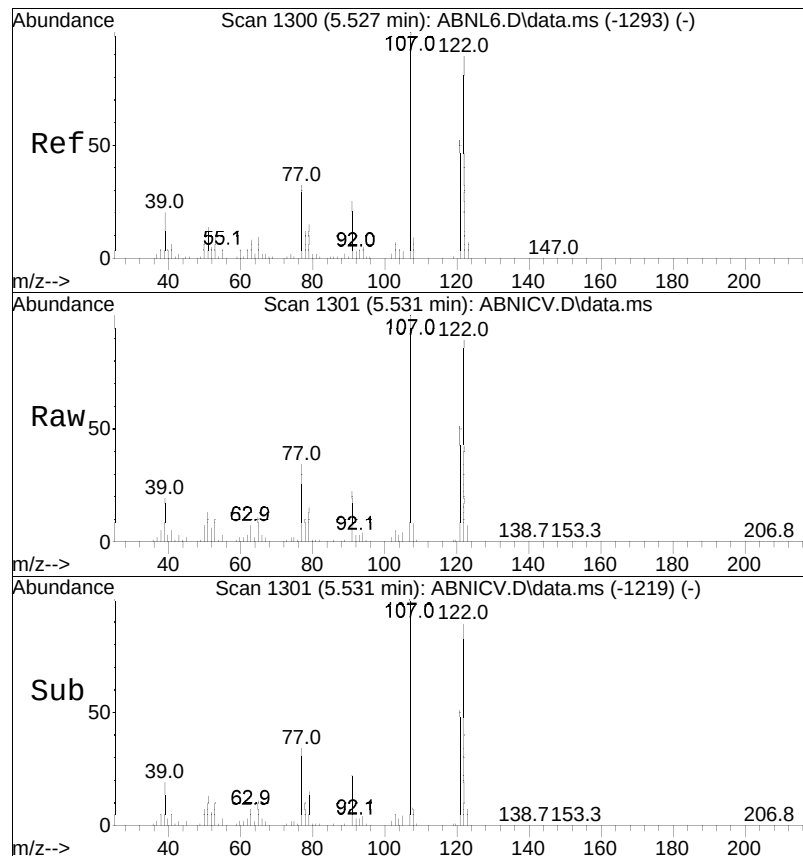




#22
 2-Nitrophenol
 Concen: 4.62 ug/ml
 RT: 5.453 min Scan# 1276
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

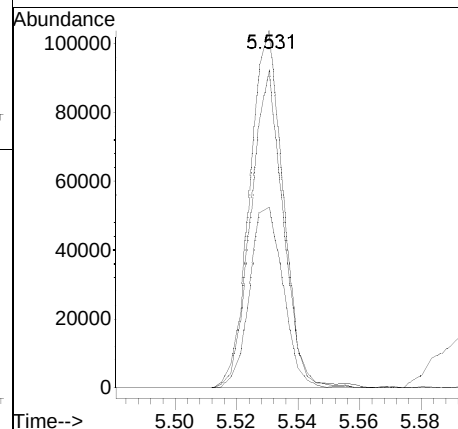
Tgt Ion:	139	Resp:	34067
Ion Ratio	Lower	Upper	
139	100		
109	30.3	19.4	29.0#
65	50.5	46.1	69.1

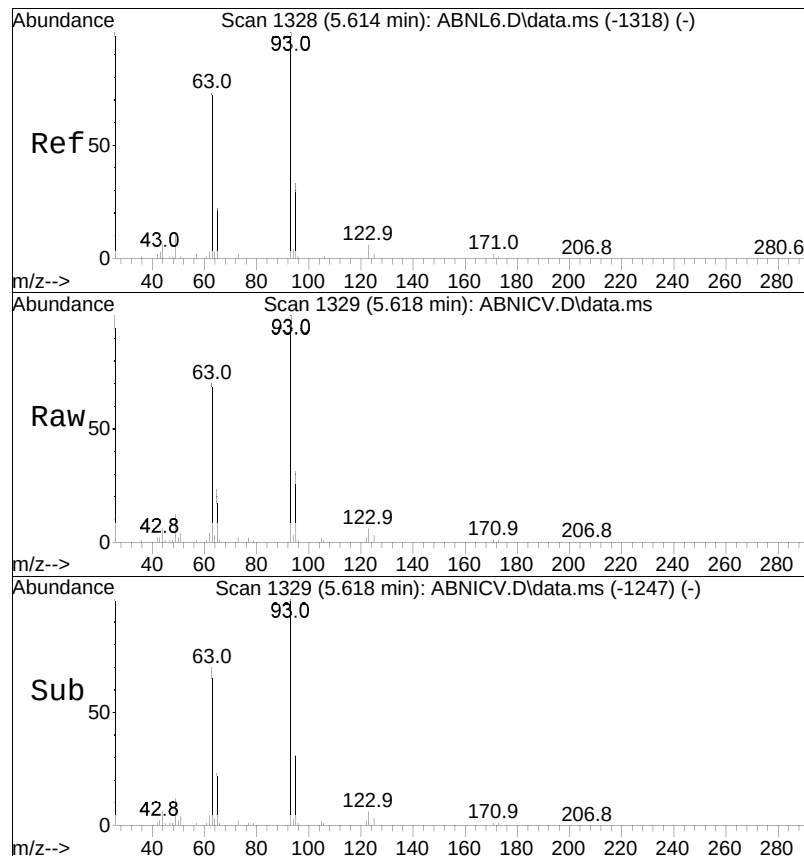




#23
 2,4-Dimethylphenol
 Concen: 5.30 ug/ml
 RT: 5.531 min Scan# 1301
 Delta R.T. 0.004 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

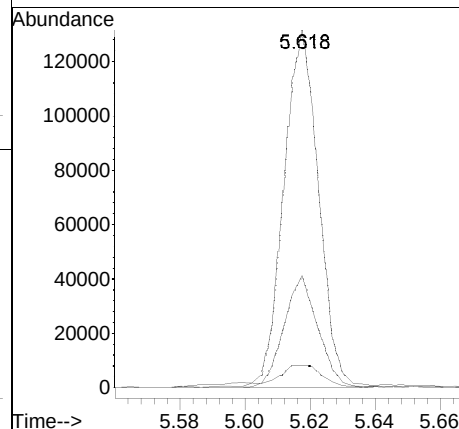
Tgt Ion	Ratio	Lower	Upper
107	100		
121	51.3	40.0	60.0
122	85.5	70.2	105.4

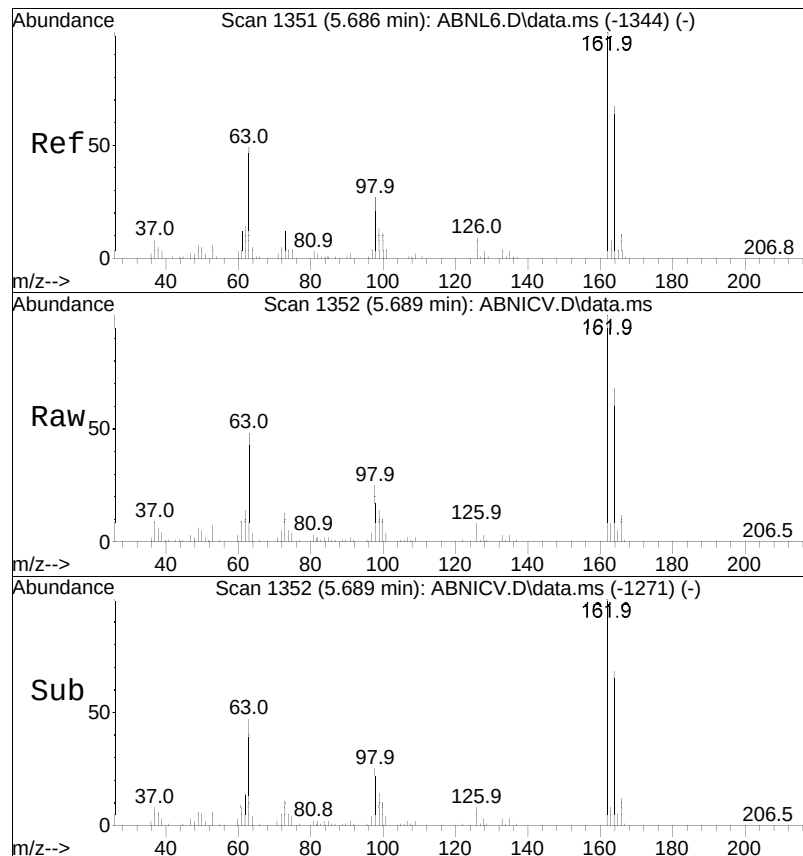




#24
 Bis(2-chloroethoxy)methane
 Concen: 5.08 ug/ml
 RT: 5.618 min Scan# 1329
 Delta R.T. 0.004 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

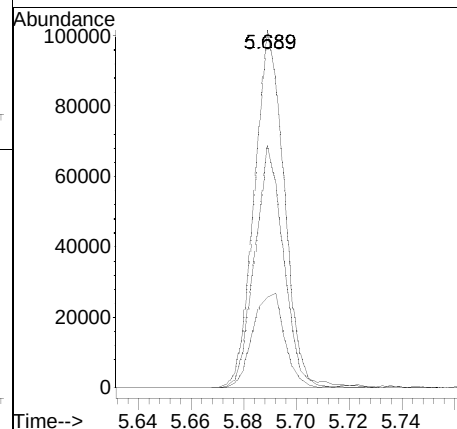
Tgt Ion:	93	Resp:	96831
Ion Ratio	Lower	Upper	
93	100		
95	30.8	25.8	38.8
123	9.4	10.1	15.1#

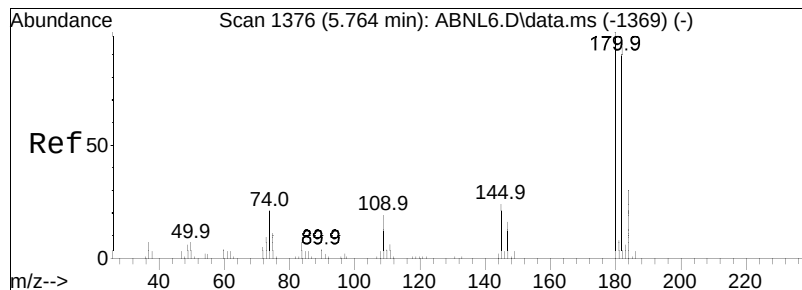




#25
 2,4-Dichlorophenol
 Concen: 4.82 ug/ml
 RT: 5.689 min Scan# 1352
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

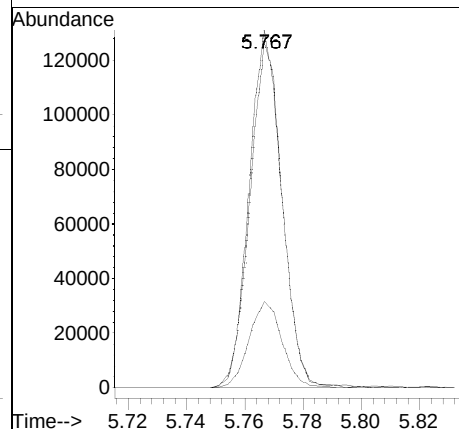
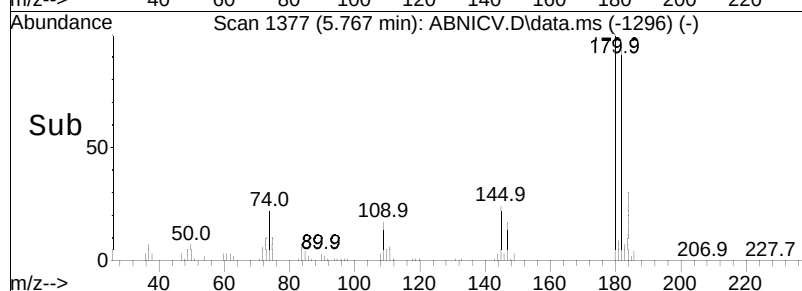
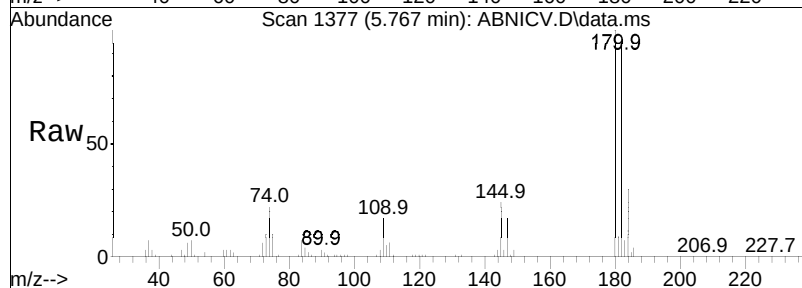
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	79756		
164	64.9		51.0	76.4
98	28.1		32.2	48.2#

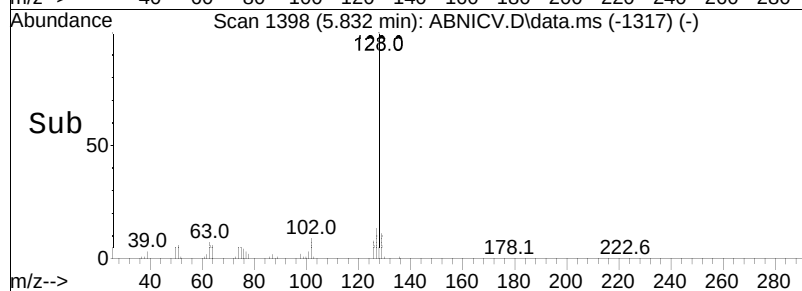
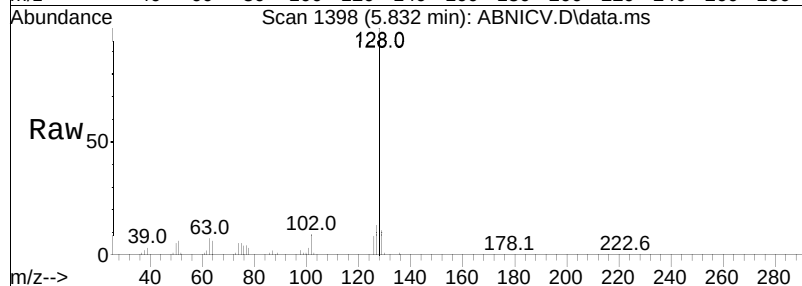
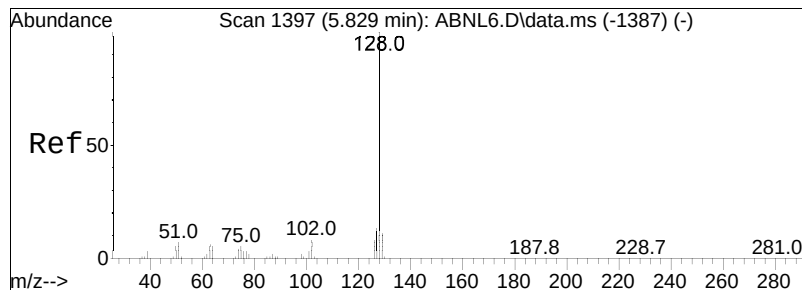




#26
 1,2,4-Trichlorobenzene
 Concen: 4.84 ug/ml
 RT: 5.767 min Scan# 1377
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

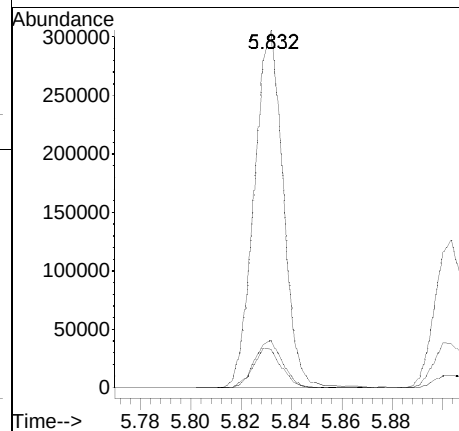
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.0	114.0
145	24.8	25.7	38.5#

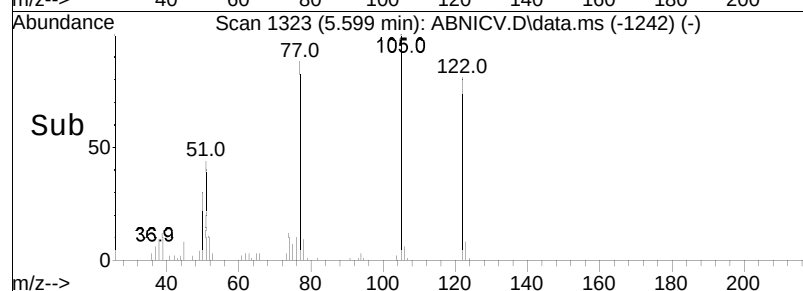
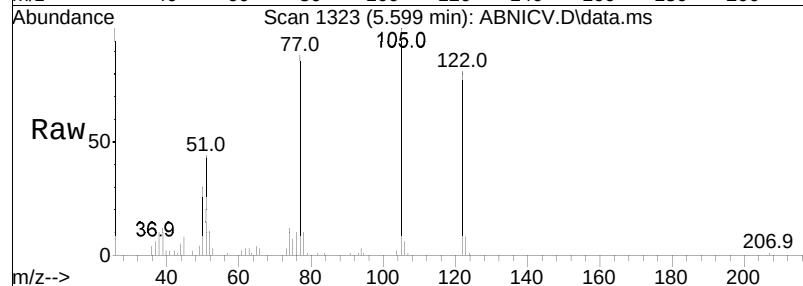
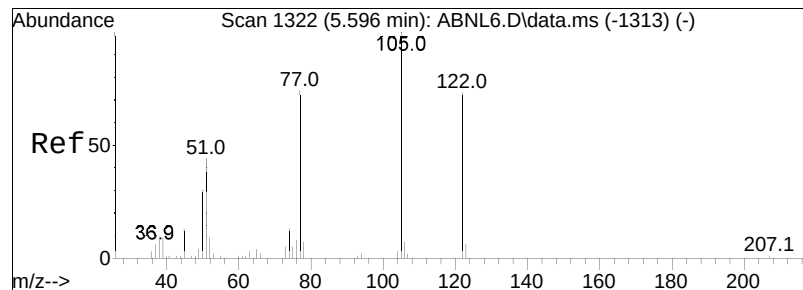




#38
Naphthalene
Concen: 4.96 ug/ml
RT: 5.832 min Scan# 1398
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 20 Aug 2025 7:32 pm

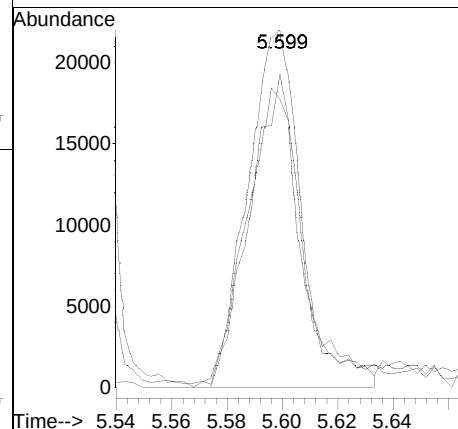
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	244949		
129	10.9		8.7	13.1
127	13.2		10.3	15.5

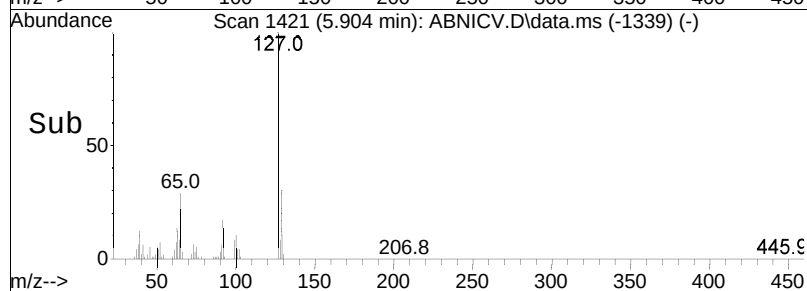
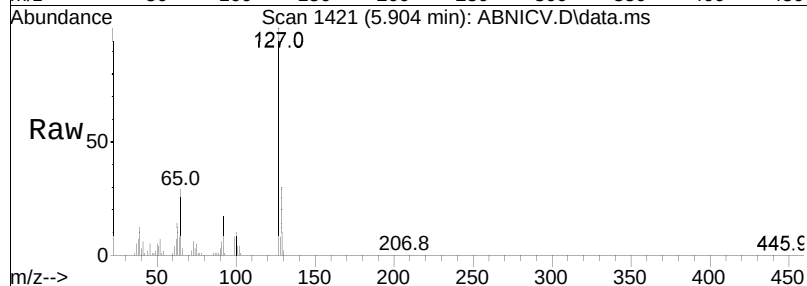
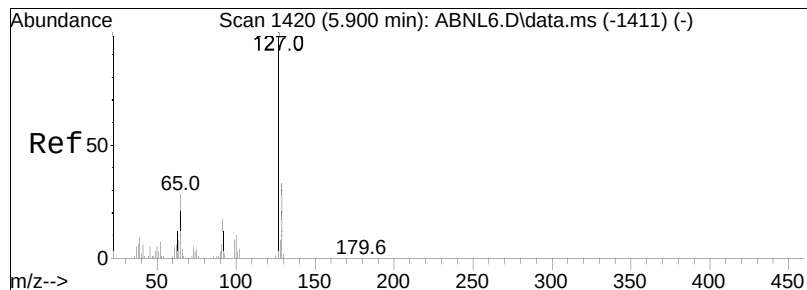




#39
Benzoic Acid
Concen: 4.16 ug/ml
RT: 5.599 min Scan# 1323
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 20 Aug 2025 7:32 pm

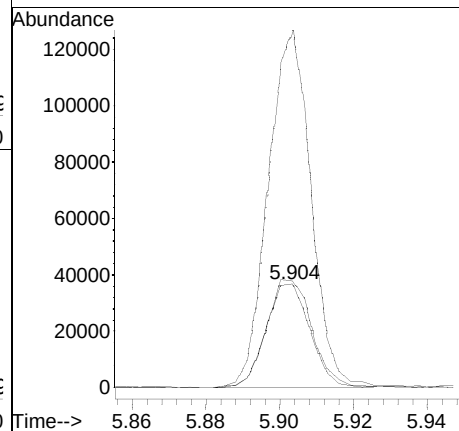
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	30004		
122	87.6		59.9	89.9
77	79.6		60.1	90.1

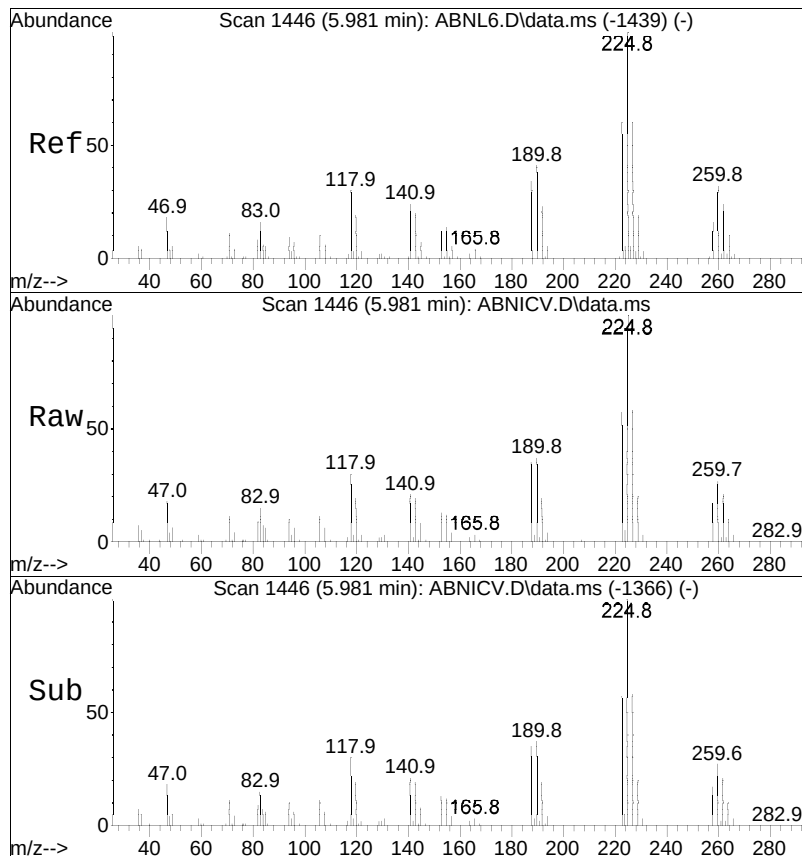




#40
 4-Chloroaniline
 Concen: 4.86 ug/ml
 RT: 5.904 min Scan# 1421
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

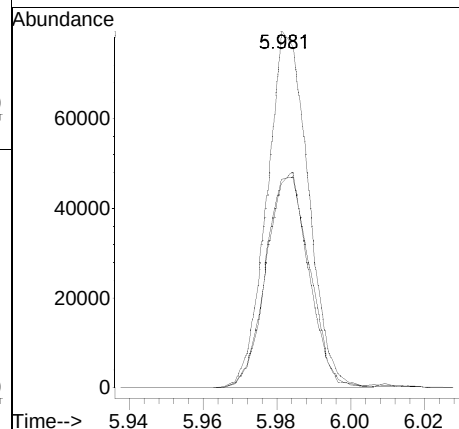
Tgt Ion:	65	Resp:	30594
Ion Ratio	Lower	Upper	
65	100		
127	332.4	237.6	356.4
129	107.9	76.3	114.5

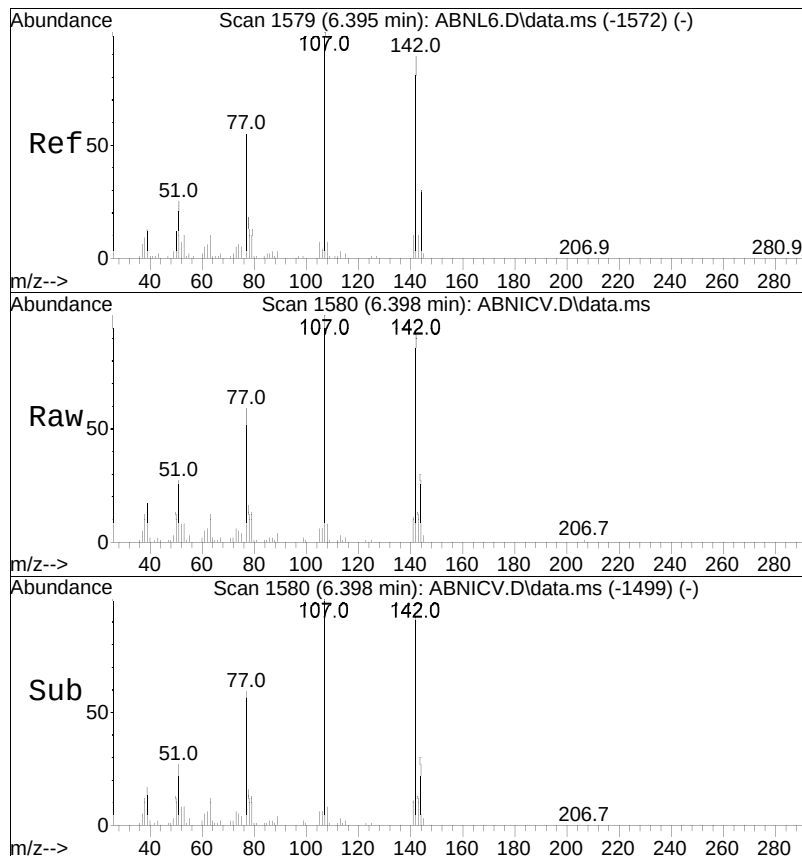




#41
 Hexachlorobutadiene
 Concen: 4.61 ug/ml
 RT: 5.981 min Scan# 1446
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

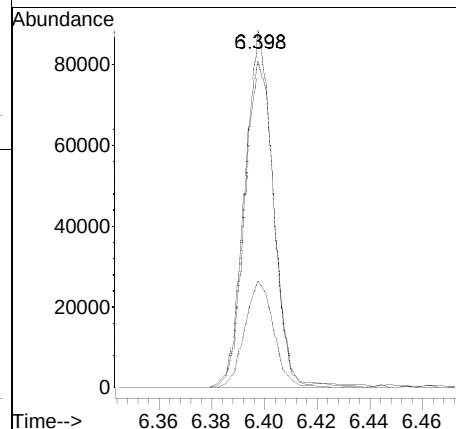
Tgt Ion:	225	Resp:	61783
Ion Ratio	Lower	Upper	
225	100		
223	62.5	50.3	75.5
227	63.8	52.2	78.2

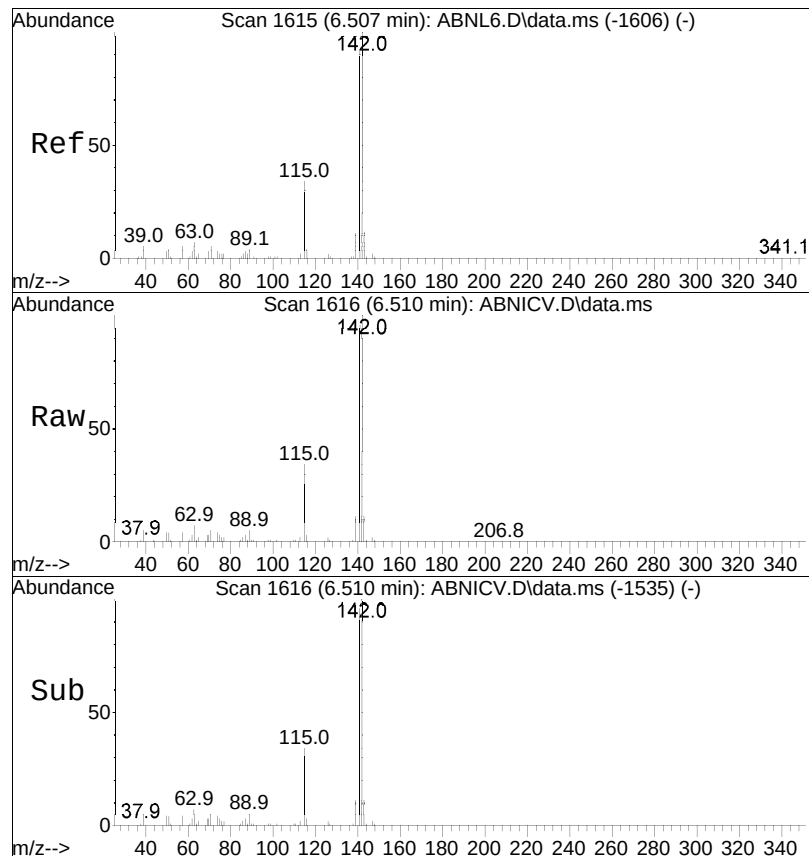




#42
 p-Chloro-m-cresol
 Concen: 5.03 ug/ml
 RT: 6.398 min Scan# 1580
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

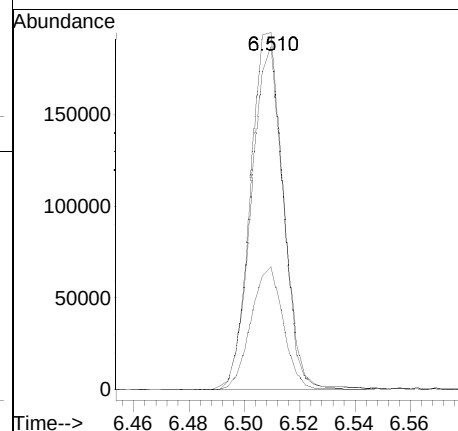
Tgt Ion:	107	Resp:	65704
Ion Ratio	Lower	Upper	
107	100		
144	30.4	20.9	31.3
142	94.5	66.1	99.1

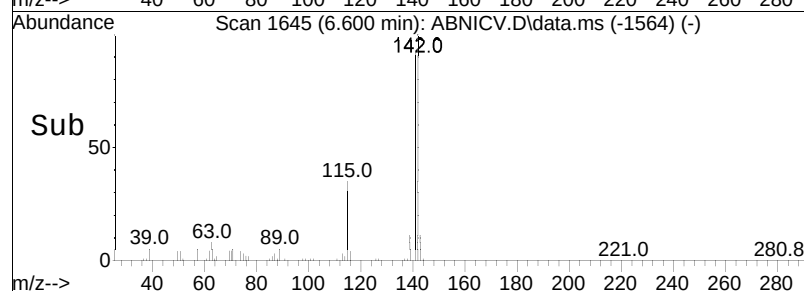
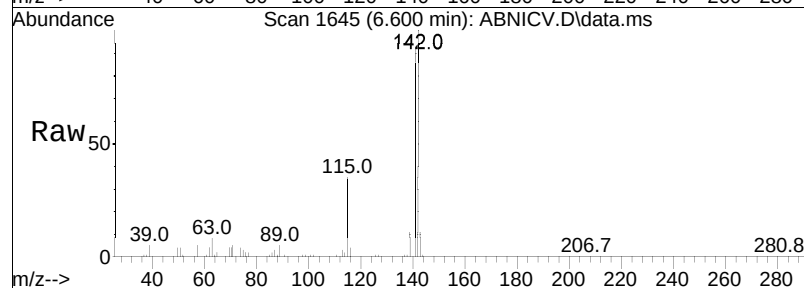
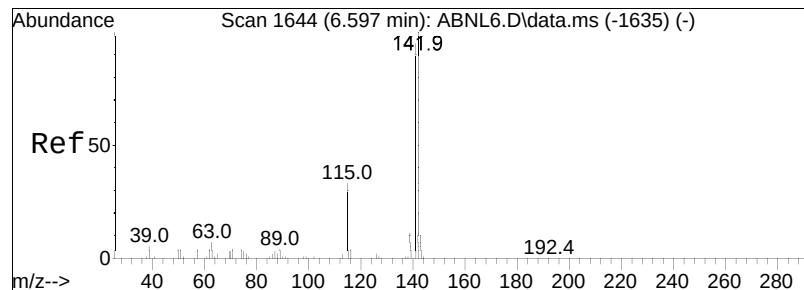




#43
 2-Methylnaphthalene
 Concen: 4.97 ug/ml
 RT: 6.510 min Scan# 1616
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

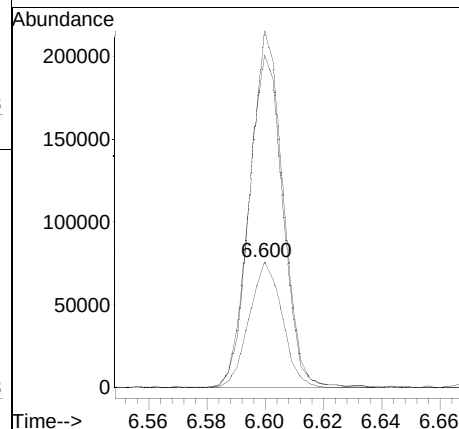
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	69.6	104.4
115	33.7	26.6	40.0

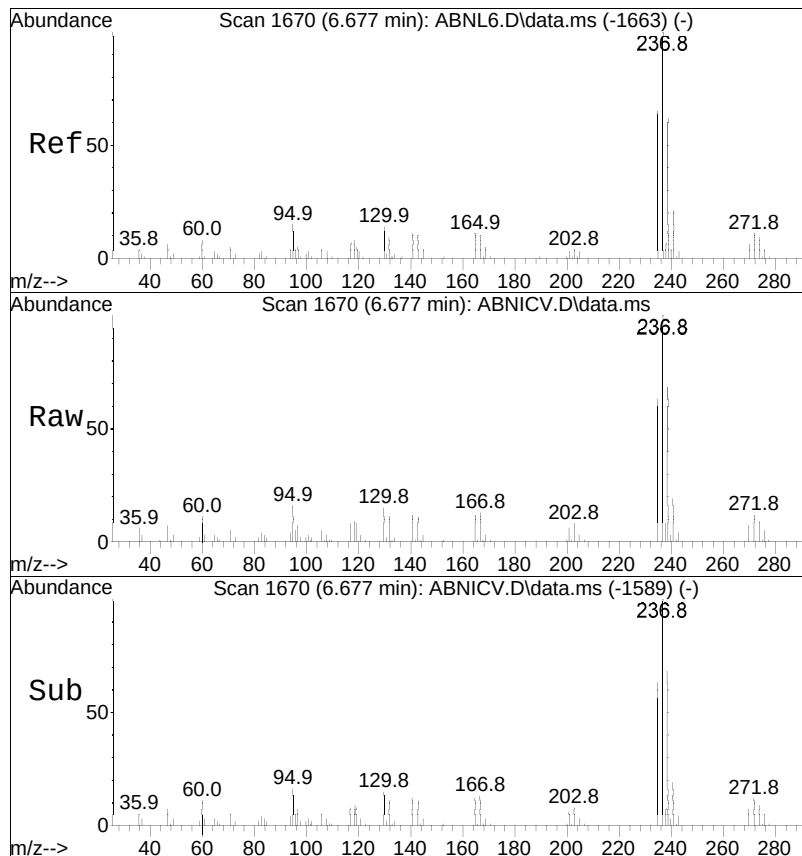




#44
 1-Methylnaphthalene
 Concen: 5.01 ug/ml
 RT: 6.600 min Scan# 1645
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

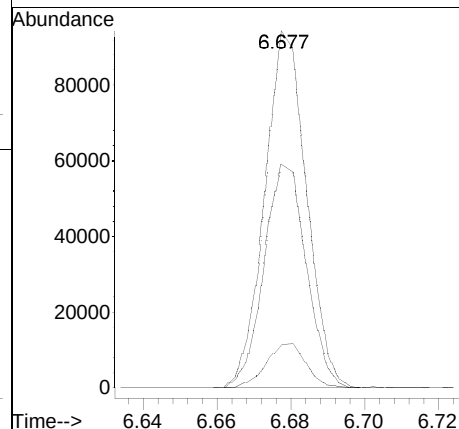
Tgt Ion:	115	Resp:	60980
Ion Ratio	Lower	Upper	
115	100		
141	266.7	207.8	311.6
142	282.8	226.8	340.2

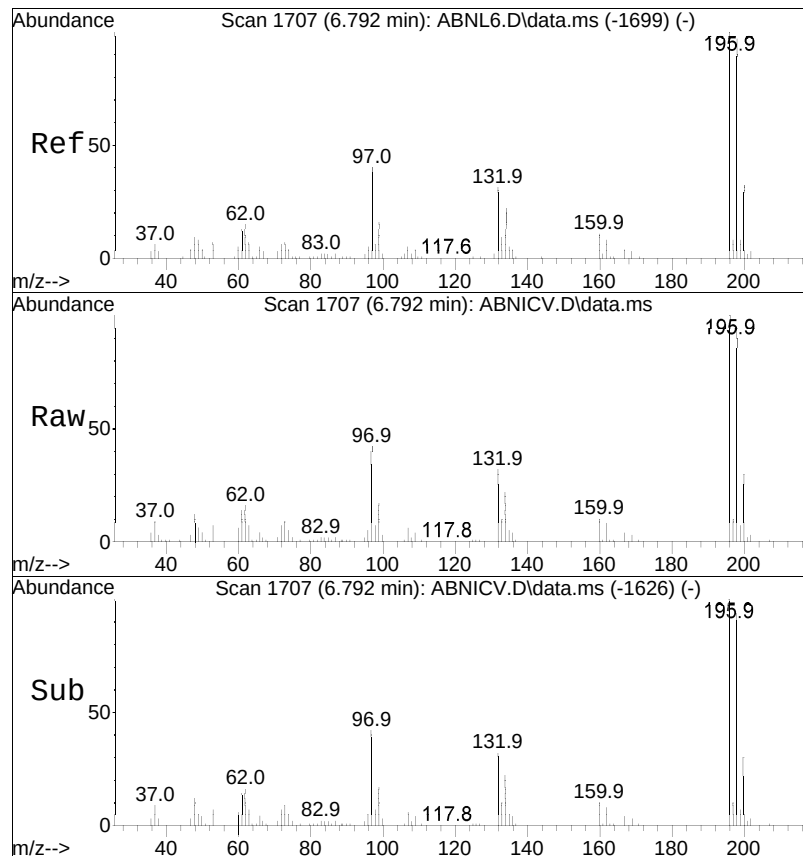




#45
 Hexachlorocyclopentadiene
 Concen: 4.87 ug/ml
 RT: 6.677 min Scan# 1670
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

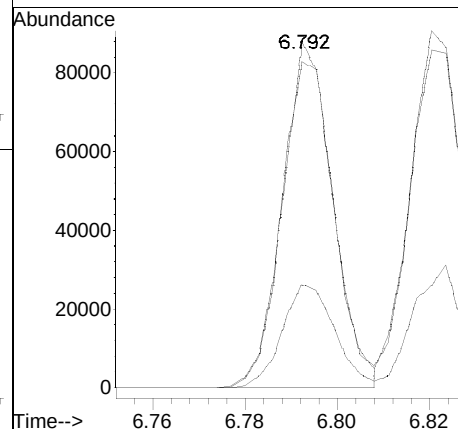
Tgt Ion	Ratio	Lower	Upper
237	100		
235	63.4	49.7	74.5
272	12.1	9.8	14.6

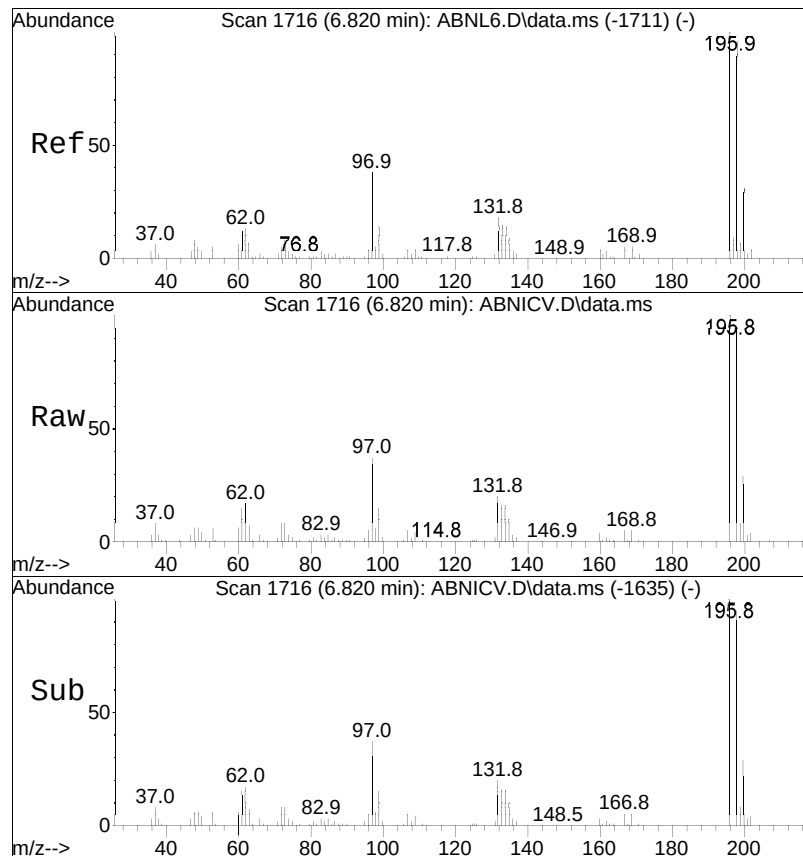




#46
 2,4,6-Trichlorophenol
 Concen: 4.76 ug/ml
 RT: 6.792 min Scan# 1707
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

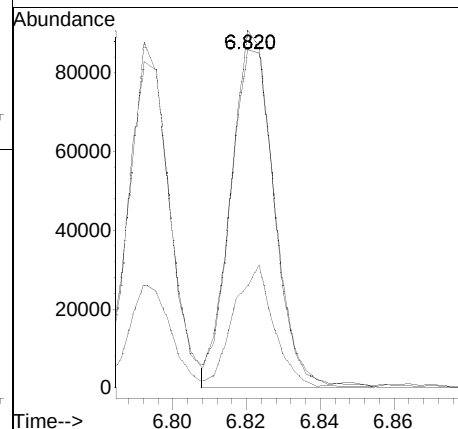
Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.9	77.5	116.3
200	31.4	23.8	35.6

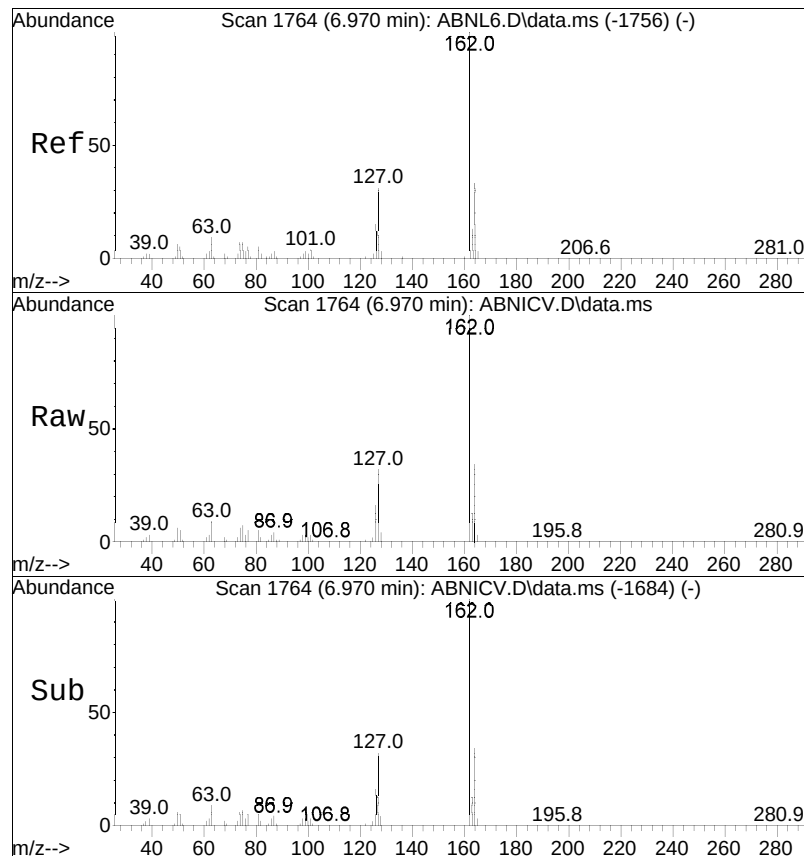




#47
 2,4,5-Trichlorophenol
 Concen: 4.81 ug/ml
 RT: 6.820 min Scan# 1716
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

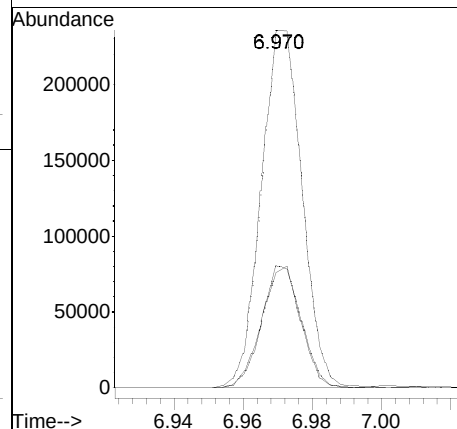
Tgt Ion	Ratio	Lower	Upper
196	100		
200	32.4	25.4	38.0
198	96.5	78.0	117.0

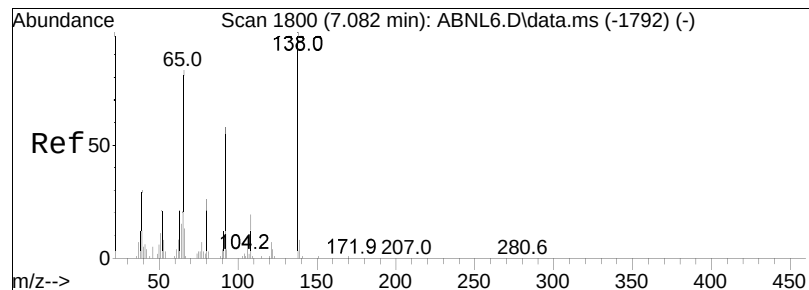




#49
 2-Chloronaphthalene
 Concen: 4.78 ug/ml
 RT: 6.970 min Scan# 1764
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

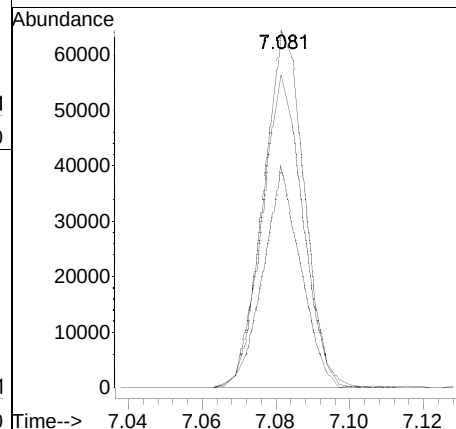
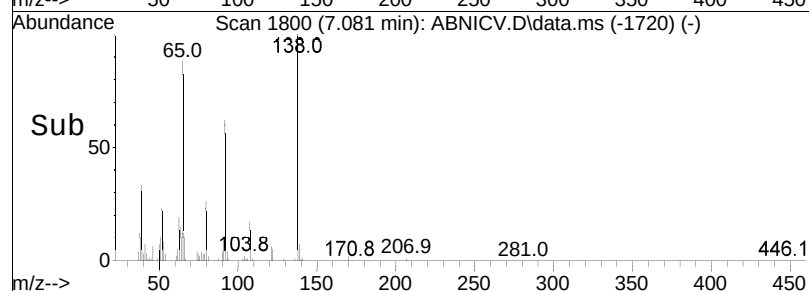
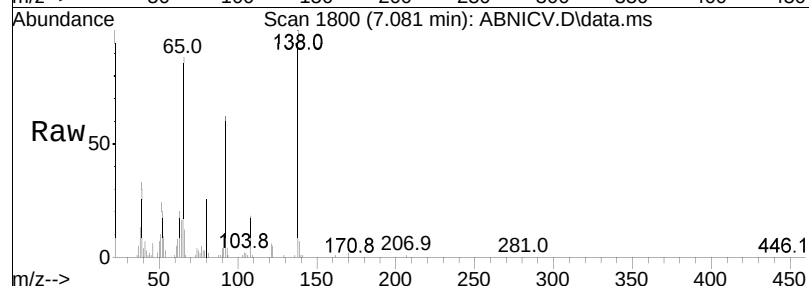
Tgt Ion:	162	Resp:	192583
Ion Ratio	Lower	Upper	
162	100		
127	32.7	32.2	48.4
164	33.4	25.7	38.5

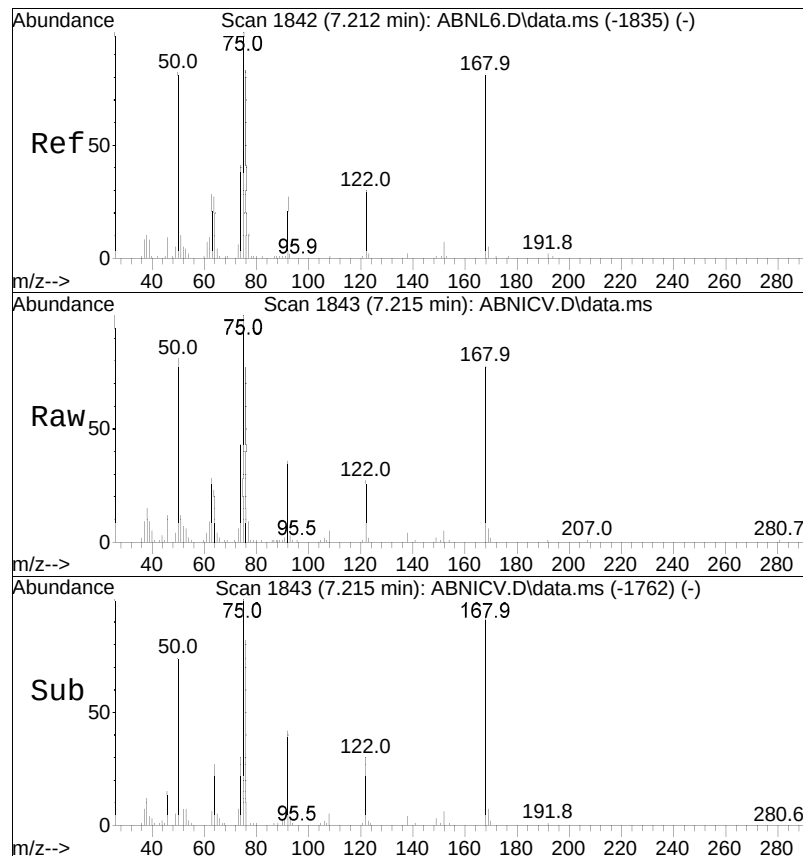




#50
 2-Nitroaniline
 Concen: 4.83 ug/ml
 RT: 7.081 min Scan# 1800
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

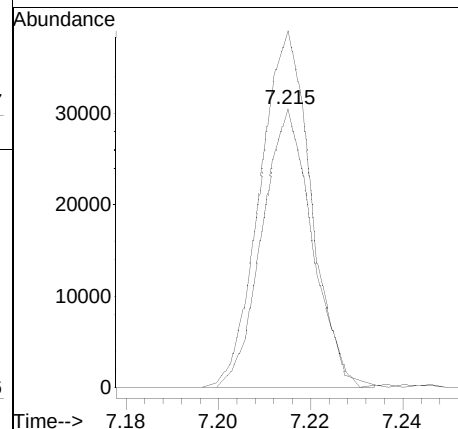
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	48952		
92	57.3		53.5	80.3
65	87.7		86.3	129.5

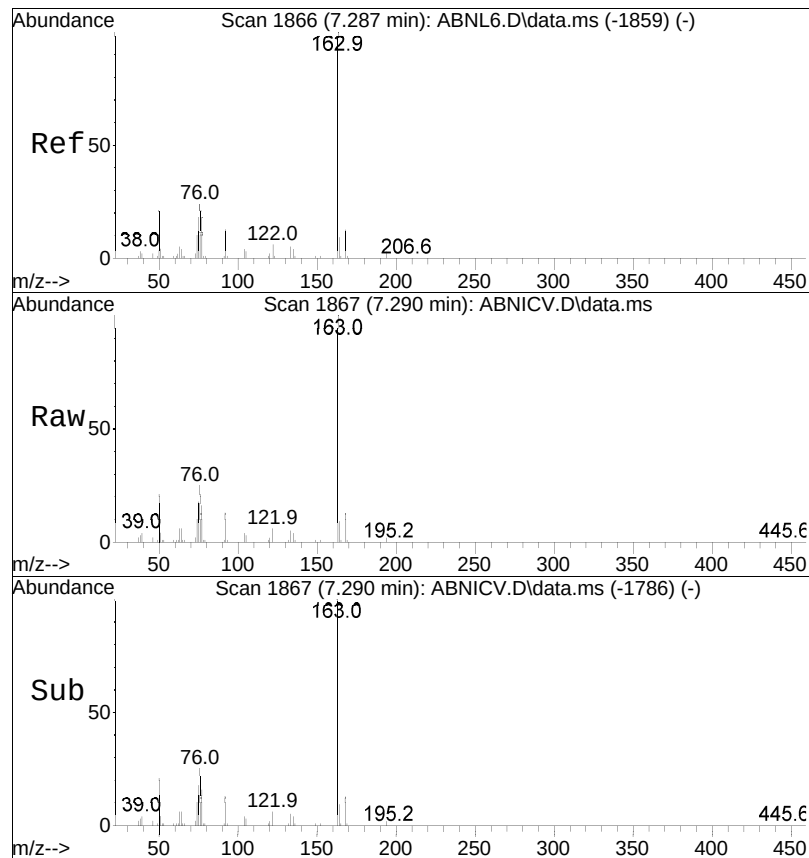




#51
 1,4-Dinitrobenzene
 Concen: 4.47 ug/ml
 RT: 7.215 min Scan# 1843
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

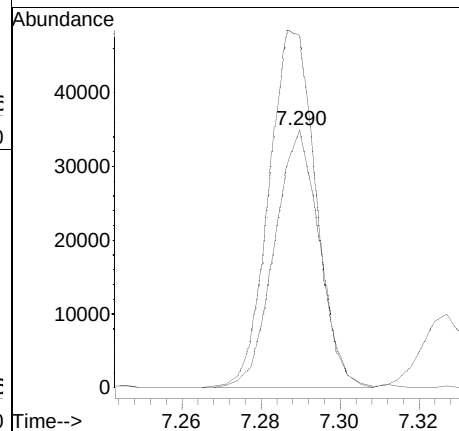
Tgt Ion	Ratio	Lower	Upper
168	100		
75	130.6	121.8	182.8

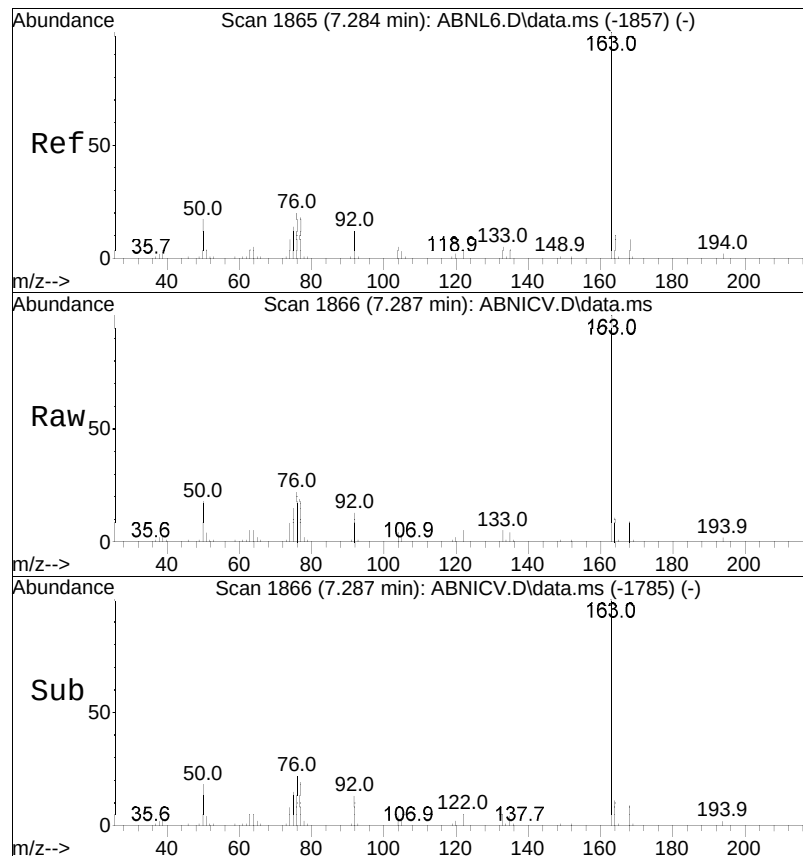




#52
 1,3-Dinitrobenzene
 Concen: 4.69 ug/ml
 RT: 7.290 min Scan# 1867
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

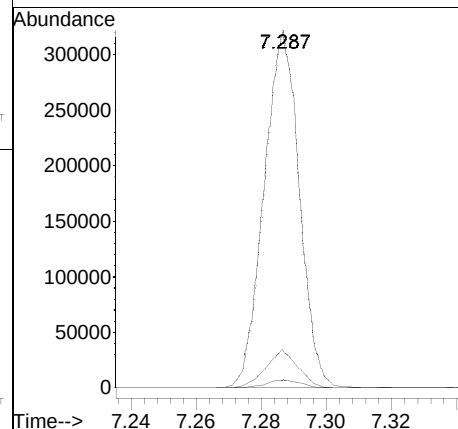
Tgt Ion	Ratio	Lower	Upper
168	100		
75	144.5	22.7	34.1#

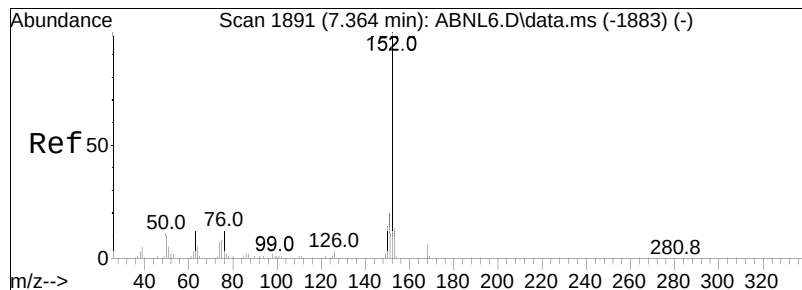




#53
 Dimethyl phthalate
 Concen: 4.74 ug/ml
 RT: 7.287 min Scan# 1866
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	239248		
194	2.2		3.5	5.3#
164	9.8		7.9	11.9





#54

Acenaphthylene

Concen: 5.14 ug/ml

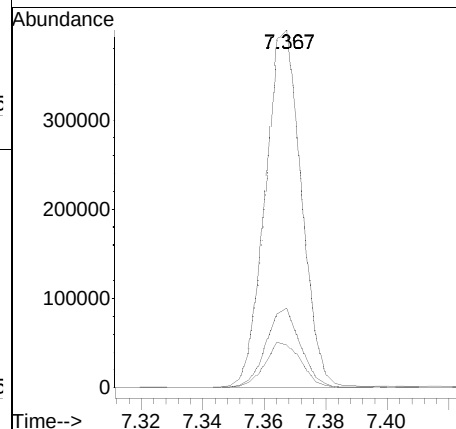
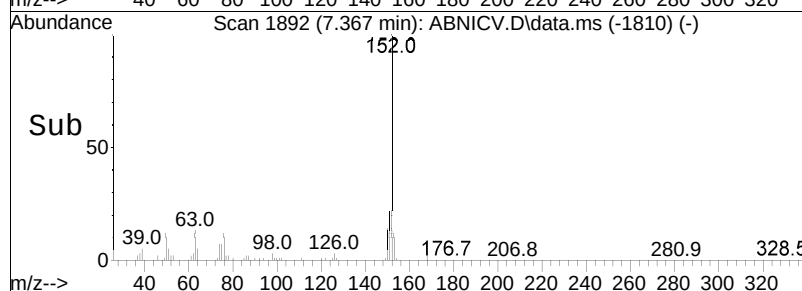
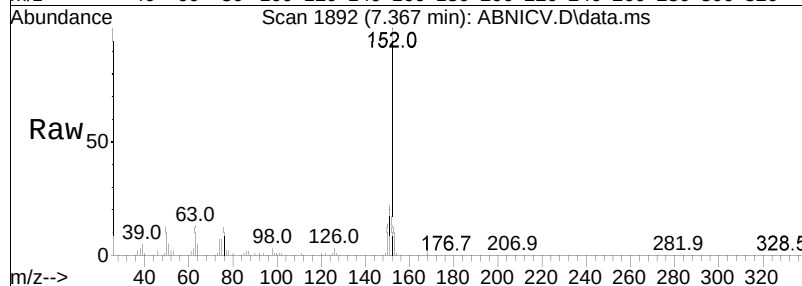
RT: 7.367 min Scan# 1892

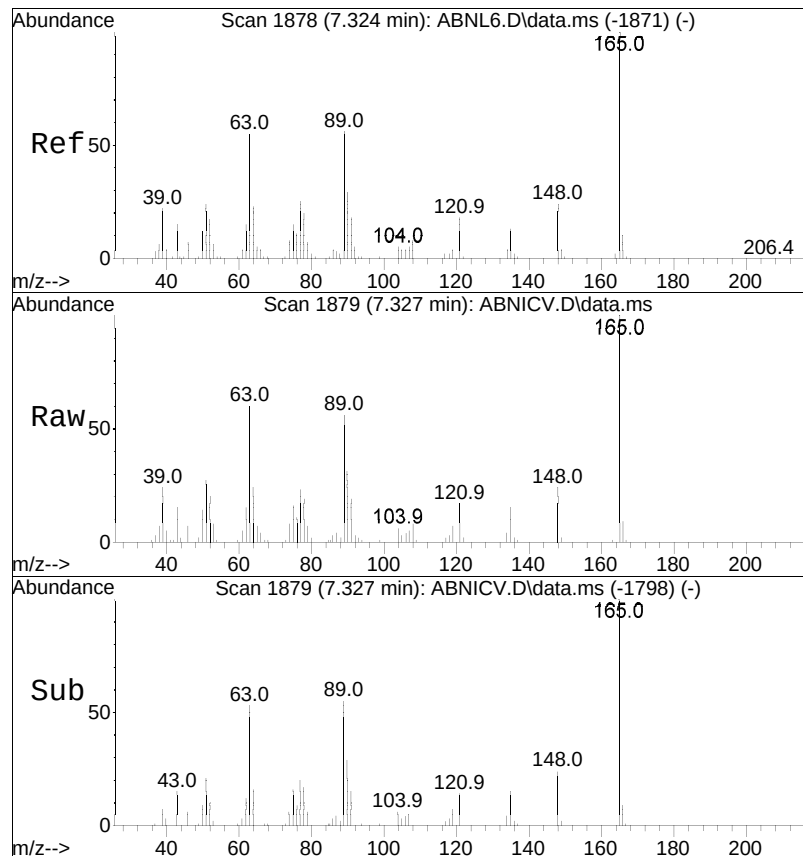
Delta R.T. 0.003 min

Lab File: ABNICV.D

Acq: 20 Aug 2025 7:32 pm

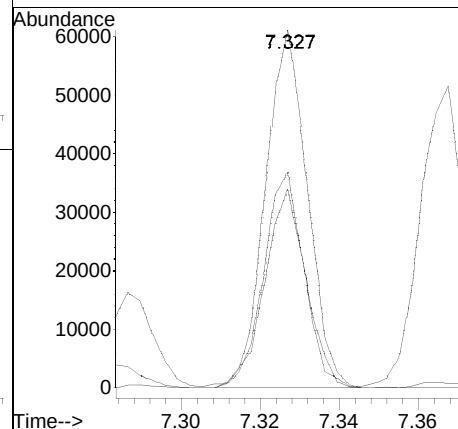
Tgt	Ion:152	Resp:	323731
Ion	Ratio	Lower	Upper
152	100		
151	21.3	15.8	23.6
153	12.8	10.5	15.7

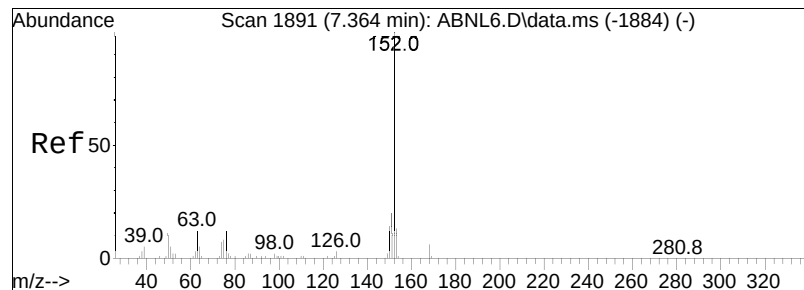




#55
 2,6-Dinitrotoluene
 Concen: 4.55 ug/ml
 RT: 7.327 min Scan# 1879
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

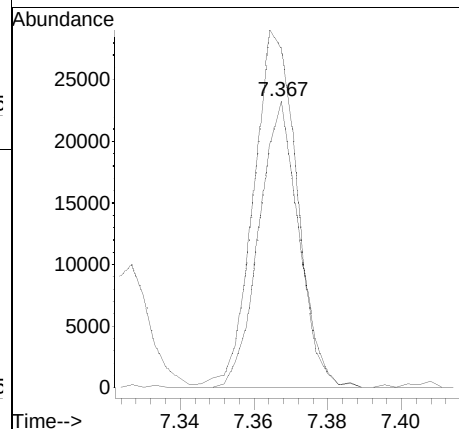
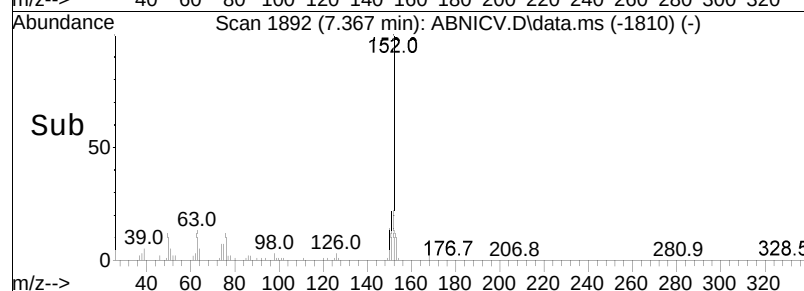
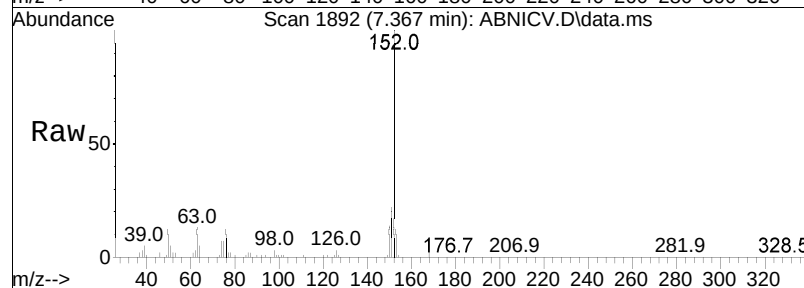
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	45040		
89	54.9		54.2	81.2
63	58.4		64.2	96.2#

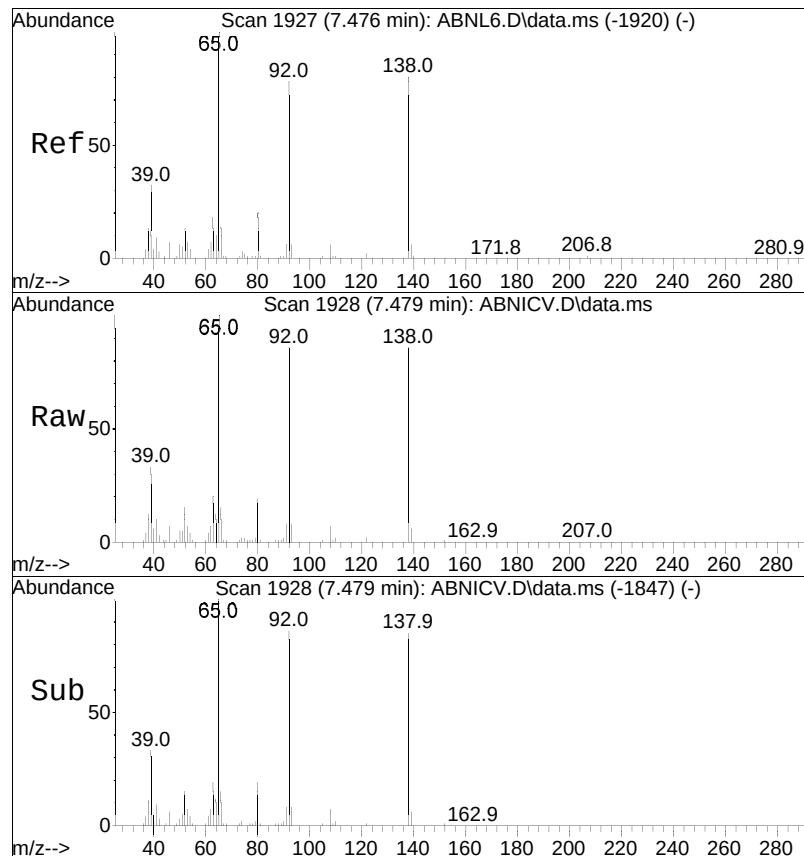




#56
 1,2-Dinitrobenzene
 Concen: 4.74 ug/ml
 RT: 7.367 min Scan# 1892
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

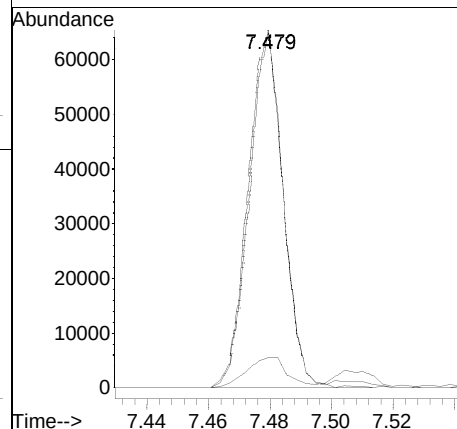
Tgt Ion	Ratio	Lower	Upper
168	100		
75	136.6	30.9	46.3#

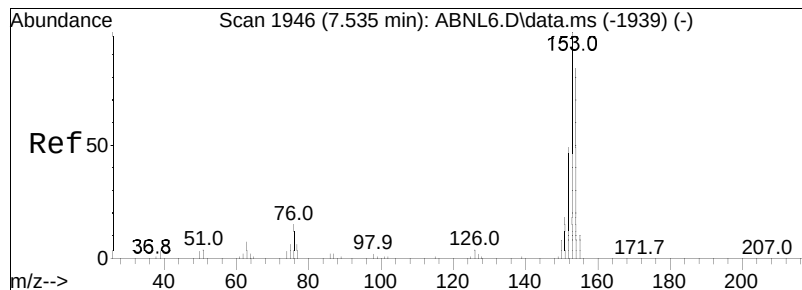




#66
 3-Nitroaniline
 Concen: 5.19 ug/ml
 RT: 7.479 min Scan# 1928
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

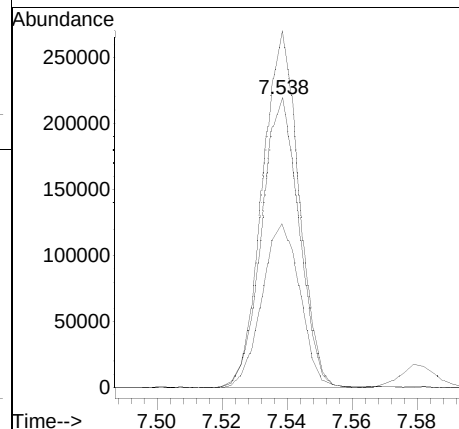
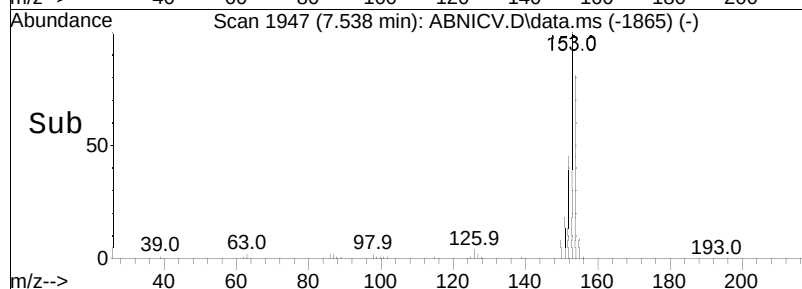
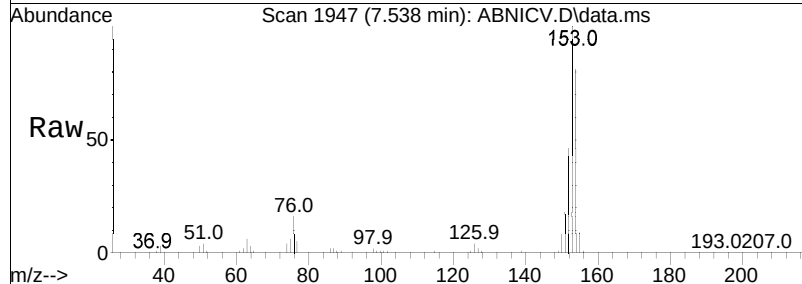
Tgt Ion:	138	Resp:	49215
Ion Ratio	Lower	Upper	
138	100		
92	103.5	93.4	140.2
108	10.3	9.5	14.3

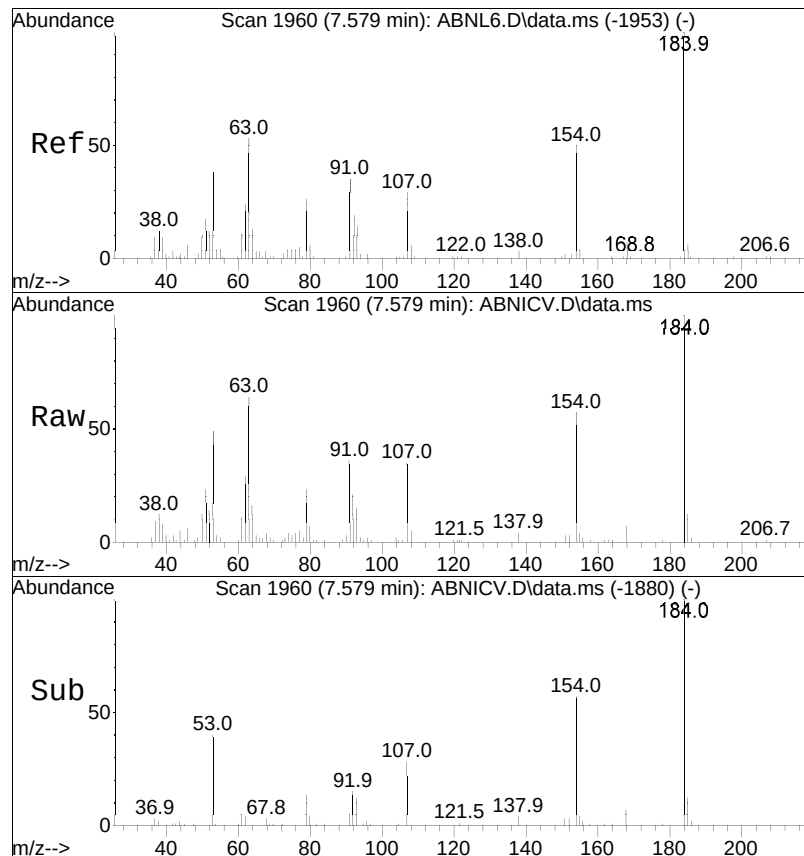




#67
 Acenaphthene
 Concen: 4.88 ug/ml
 RT: 7.538 min Scan# 1947
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

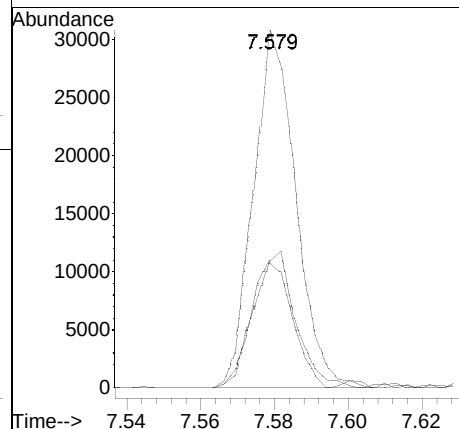
Tgt Ion	Ratio	Lower	Upper
154	100		
153	120.2	85.3	127.9
152	58.0	41.4	62.0

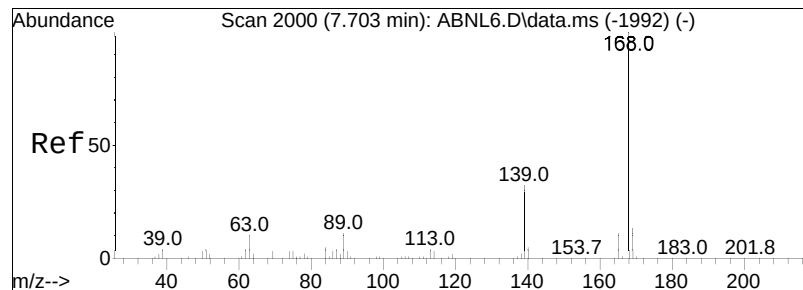




#68
 2,4-Dinitrophenol
 Concen: 4.48 ug/ml
 RT: 7.579 min Scan# 1960
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

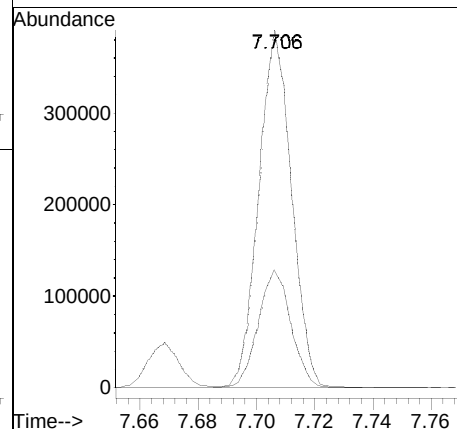
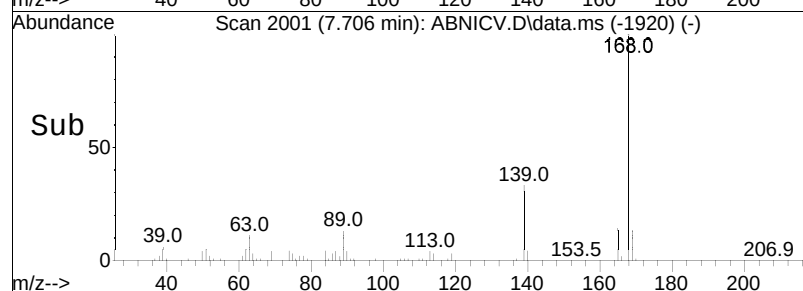
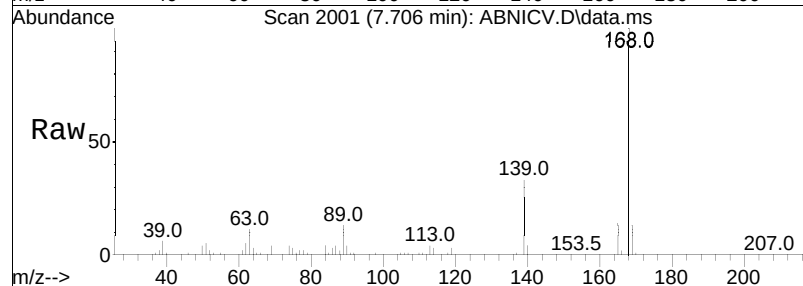
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	24501		
107	34.2		37.7	56.5#
91	39.0		46.3	69.5#

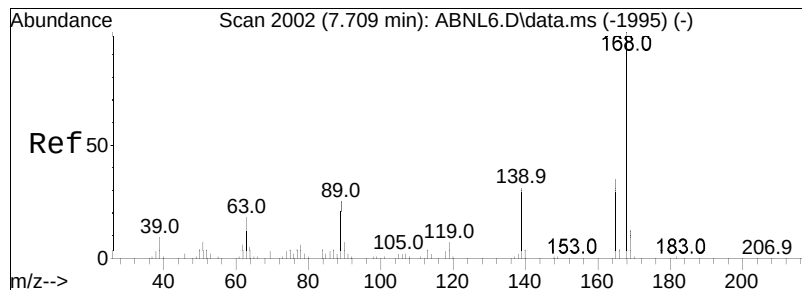




#69
 Dibenzofuran
 Concen: 4.80 ug/ml
 RT: 7.706 min Scan# 2001
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

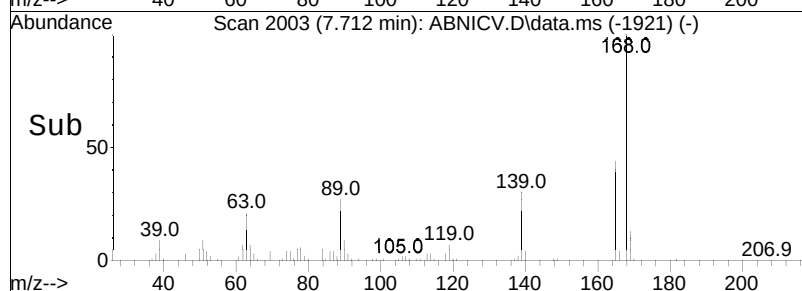
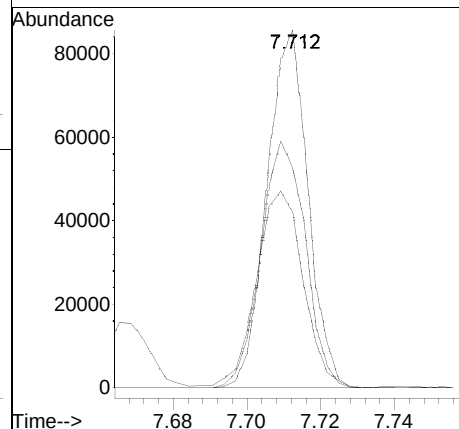
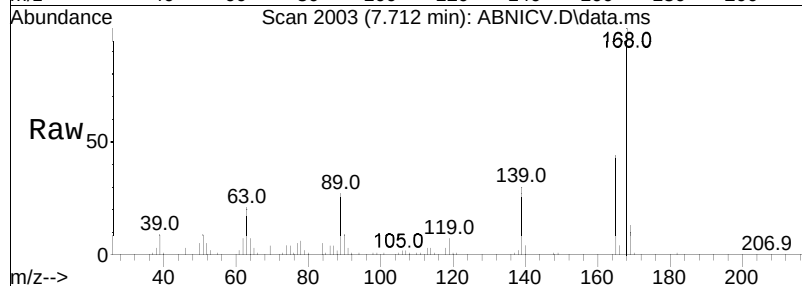
Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.1	31.4	47.2

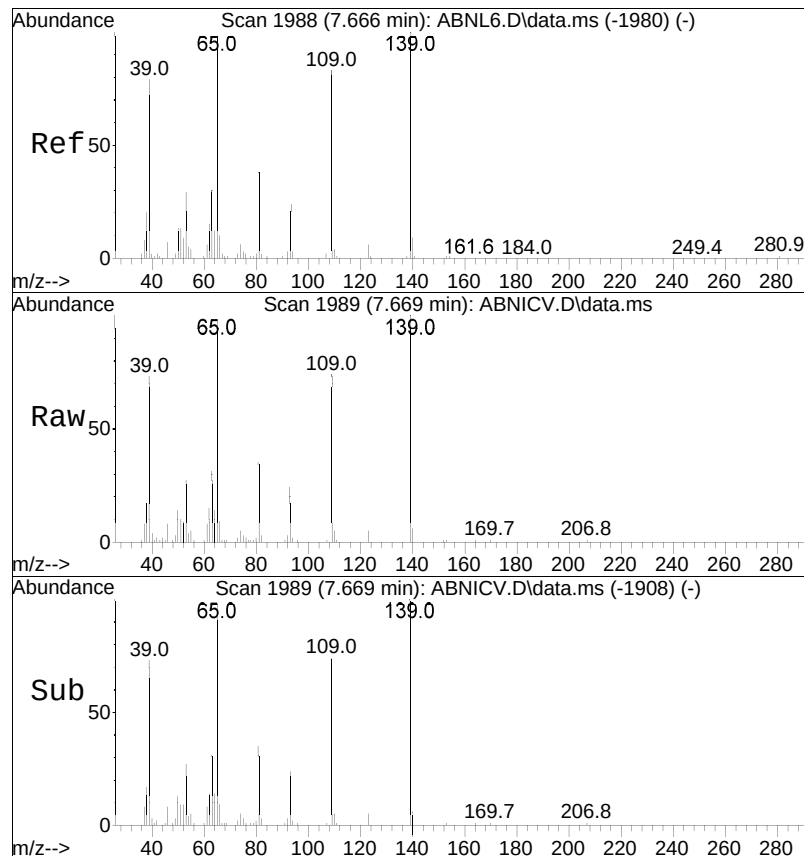




#70
 2,4-Dinitrotoluene
 Concen: 5.13 ug/ml
 RT: 7.712 min Scan# 2003
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

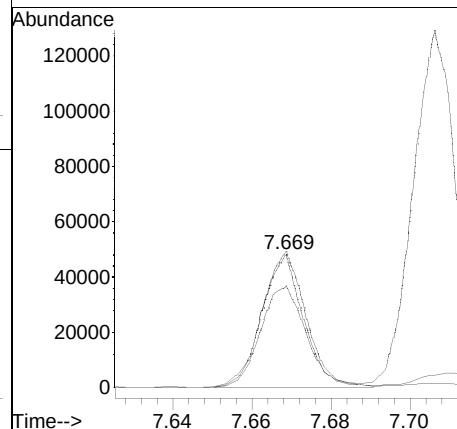
Tgt Ion	Ratio	Lower	Upper
165	100		
89	74.9	72.0	108.0
63	63.2	52.7	79.1

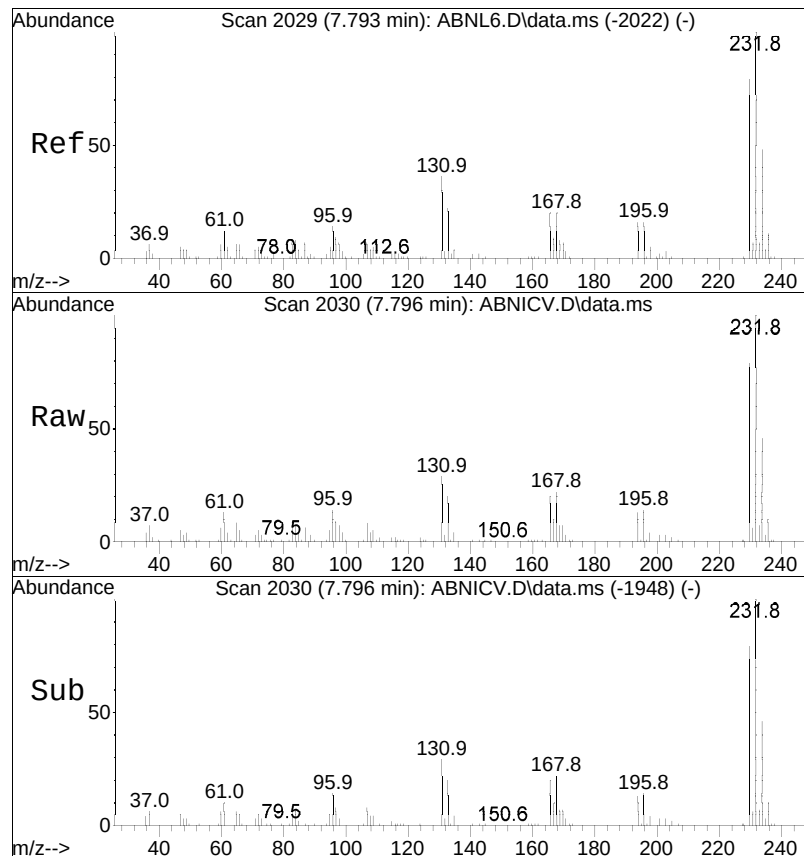




#71
 4-Nitrophenol
 Concen: 5.07 ug/ml
 RT: 7.669 min Scan# 1989
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

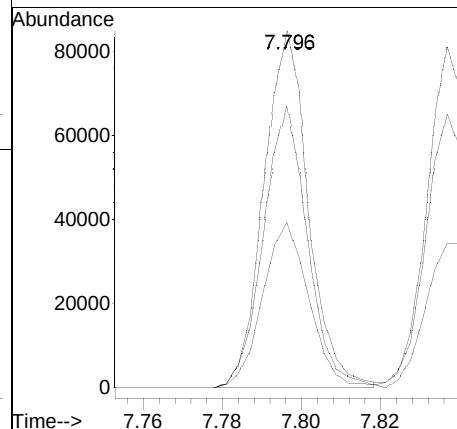
Tgt Ion:	65	Resp:	35713
Ion Ratio	Lower	Upper	
65	100		
109	82.4	47.4	71.2#
139	106.2	76.6	115.0

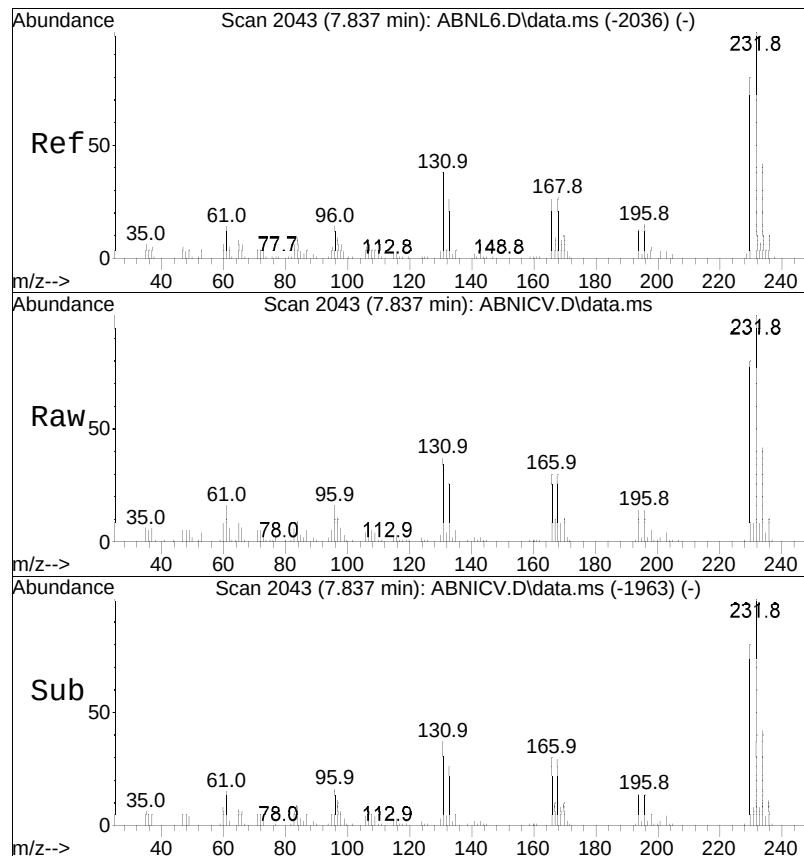




#72
 2,3,5,6-Tetrachlorophenol
 Concen: 5.20 ug/ml
 RT: 7.796 min Scan# 2030
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

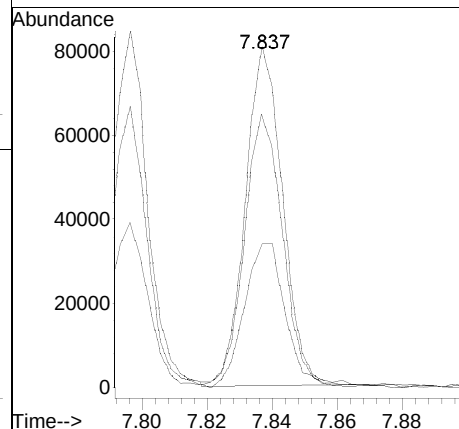
Tgt Ion:	232	Resp:	66539
Ion Ratio	Lower	Upper	
232	100		
230	78.0	64.2	96.4
234	48.1	38.1	57.1

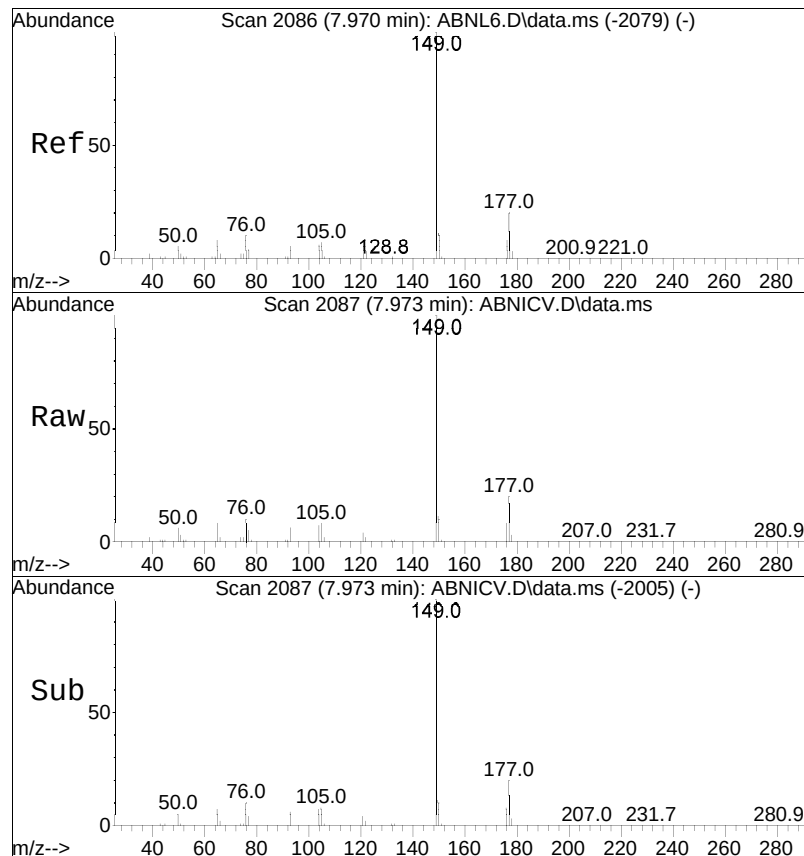




#73
 2,3,4,6-Tetrachlorophenol
 Concen: 4.82 ug/ml
 RT: 7.837 min Scan# 2043
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

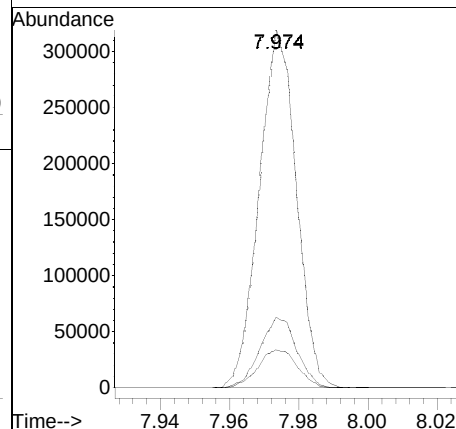
Tgt Ion:	232	Resp:	64549
Ion Ratio	Lower	Upper	
232	100		
230	84.2	61.8	92.8
234	46.7	36.2	54.2

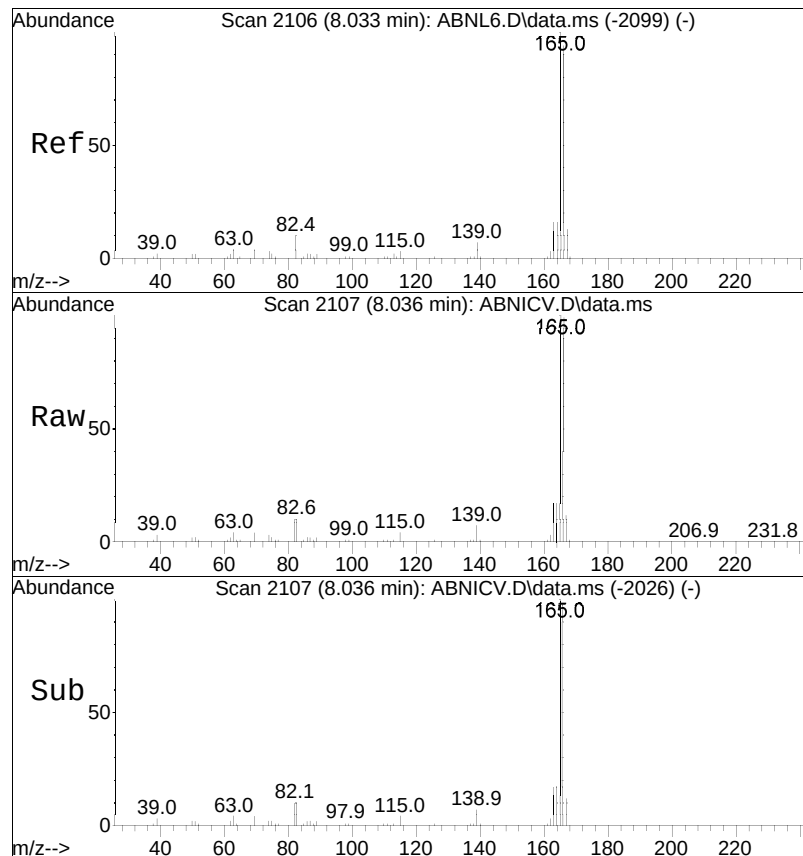




#74
 Diethyl phthalate
 Concen: 4.88 ug/ml
 RT: 7.973 min Scan# 2087
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

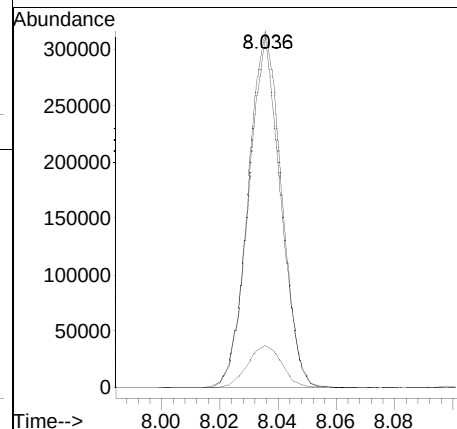
Tgt	Ion	Ratio	Resp	Lower	Upper
149	100		235390		
177	19.8			16.1	24.1
150	11.6			9.4	14.2

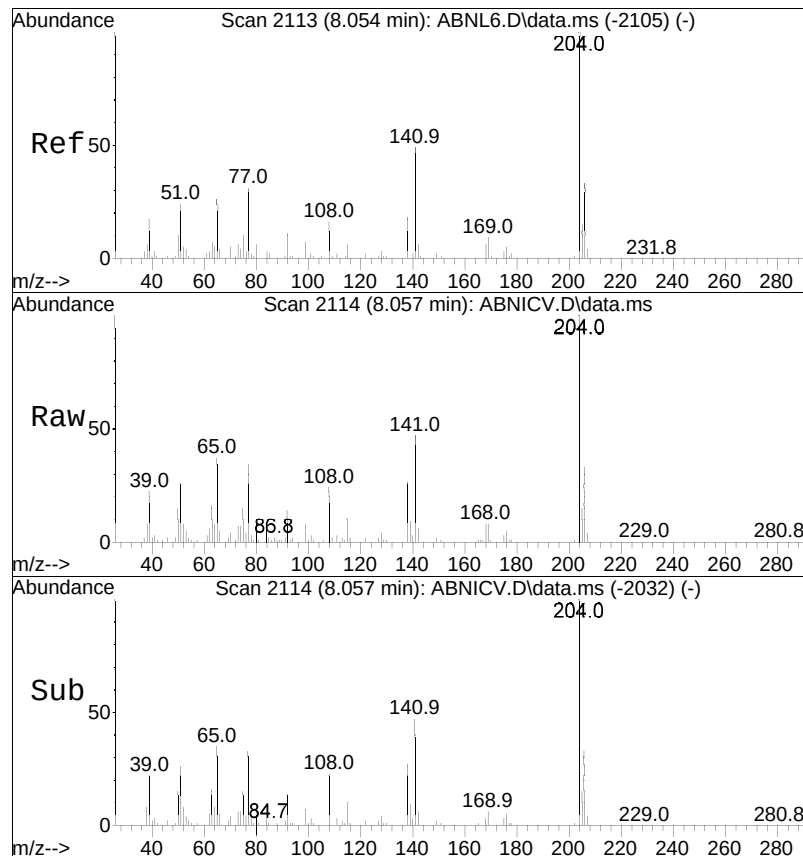




#75
 Fluorene
 Concen: 4.85 ug/ml
 RT: 8.036 min Scan# 2107
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

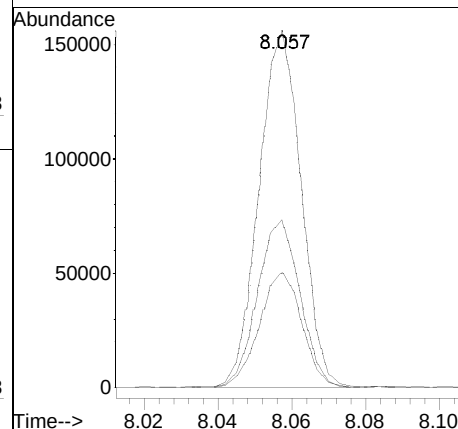
Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.3	76.2	114.2
167	13.3	10.6	15.8

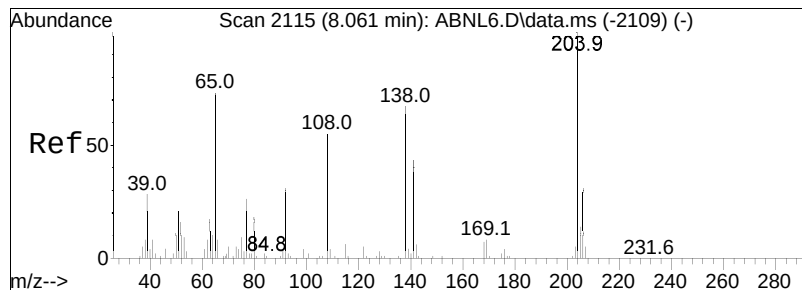




#76
 4-Chlorophenyl phenyl ether
 Concen: 4.68 ug/ml
 RT: 8.057 min Scan# 2114
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

Tgt Ion:	204	Resp:	123299
Ion Ratio	Lower	Upper	
204	100		
206	32.8	25.8	38.6
141	47.4	53.6	80.4#





#77

4-Nitroaniline

Concen: 5.19 ug/ml

RT: 8.061 min Scan# 2115

Delta R.T. -0.000 min

Lab File: ABNICV.D

Acq: 20 Aug 2025 7:32 pm

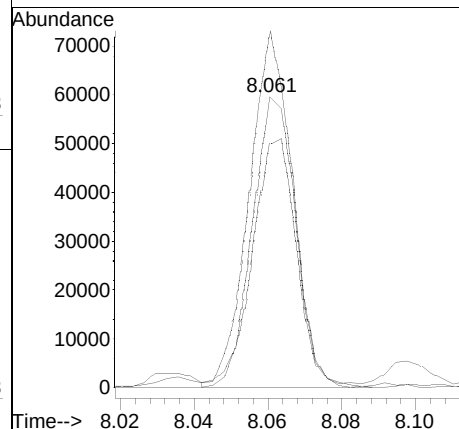
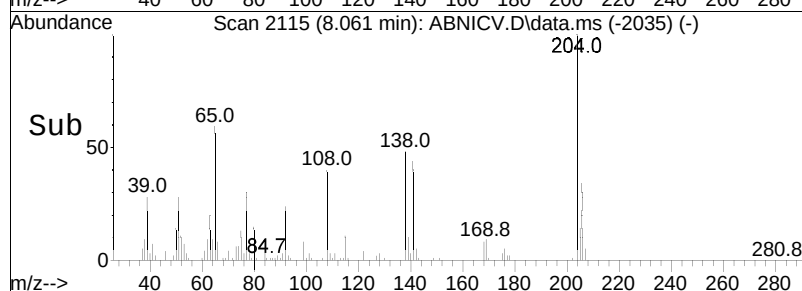
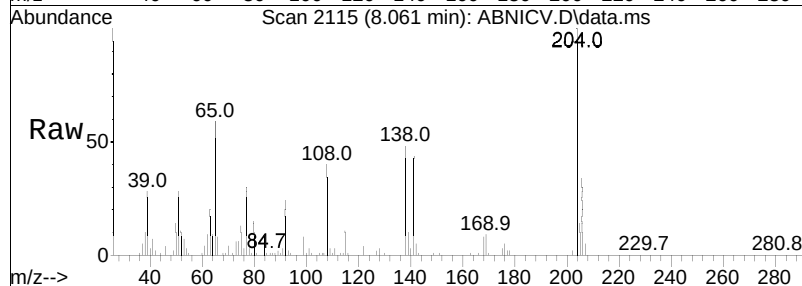
Tgt Ion:138 Resp: 48626

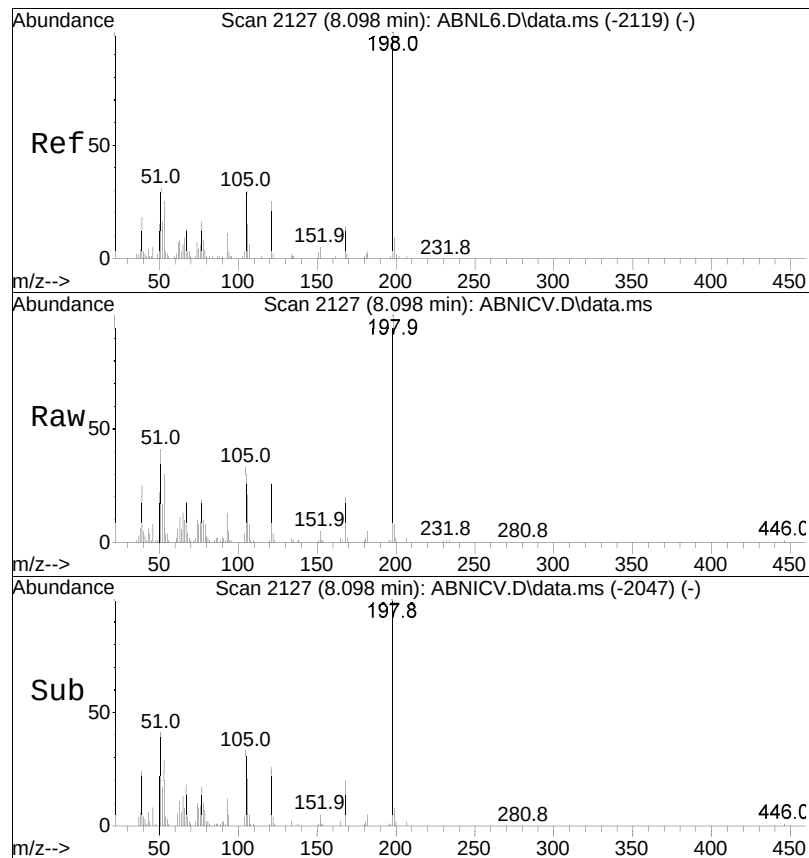
Ion Ratio Lower Upper

138 100

108 86.2 52.1 78.1#

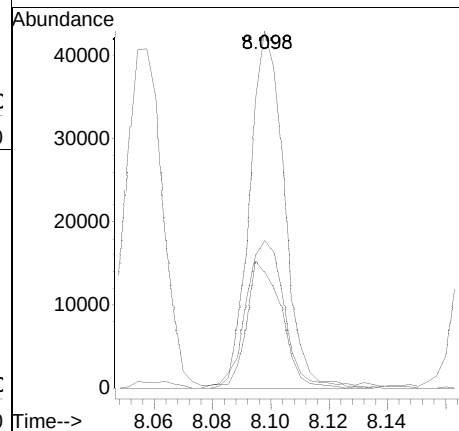
65 122.6 115.0 172.6

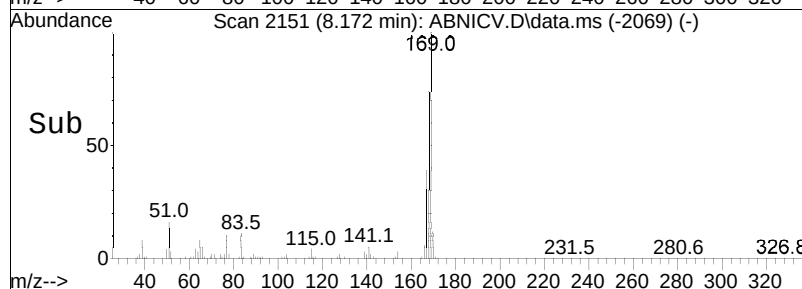
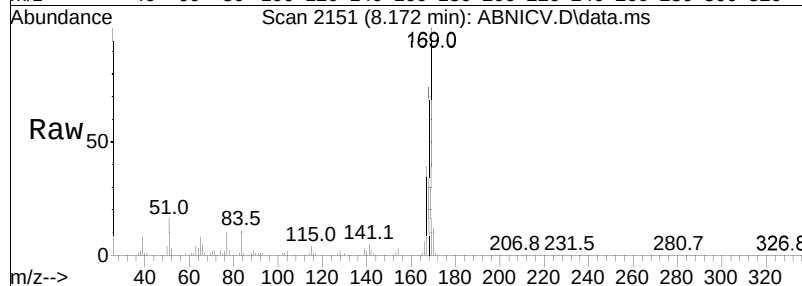
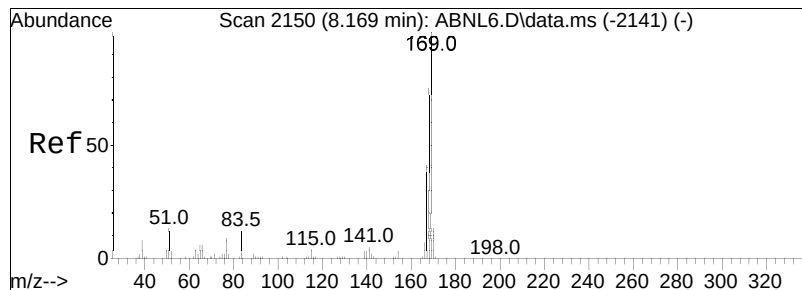




#78
 4,6-Dinitro-o-cresol
 Concen: 4.32 ug/ml
 RT: 8.098 min Scan# 2127
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	35373		
51	43.6		76.0	114.0#
105	36.1		45.6	68.4#





#79

NDPA/DPA

Concen: 4.90 ug/ml

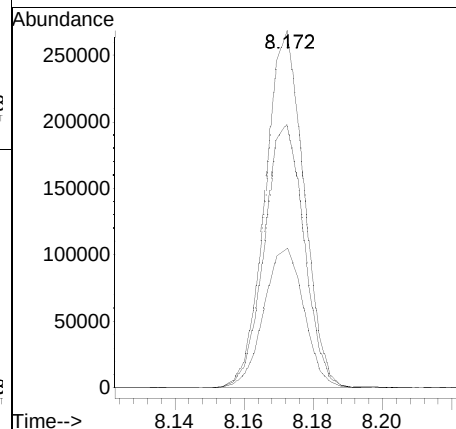
RT: 8.172 min Scan# 2151

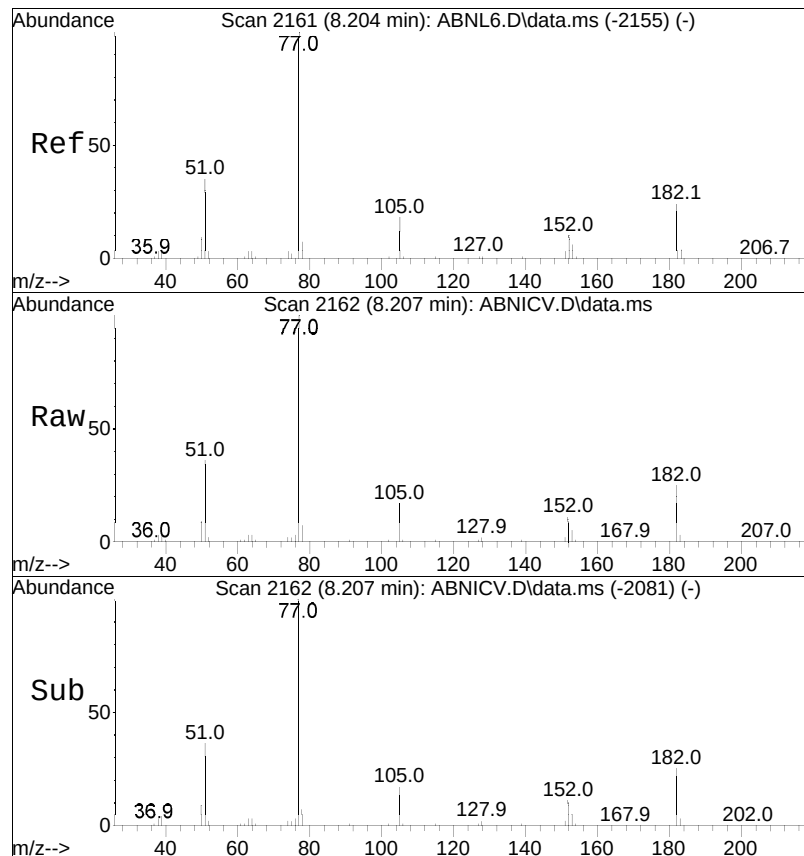
Delta R.T. 0.003 min

Lab File: ABNICV.D

Acq: 20 Aug 2025 7:32 pm

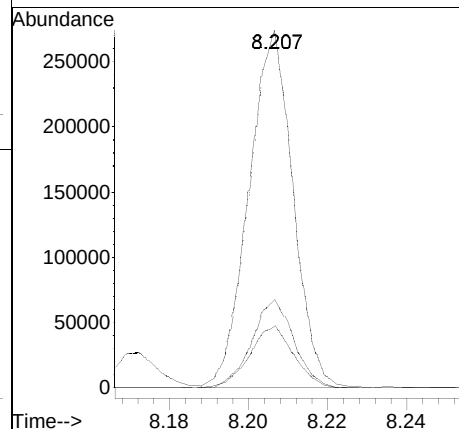
Tgt Ion:	169	Resp:	207618
Ion Ratio	Lower	Upper	
169	100		
168	76.4	54.0	81.0
167	40.9	28.6	42.8

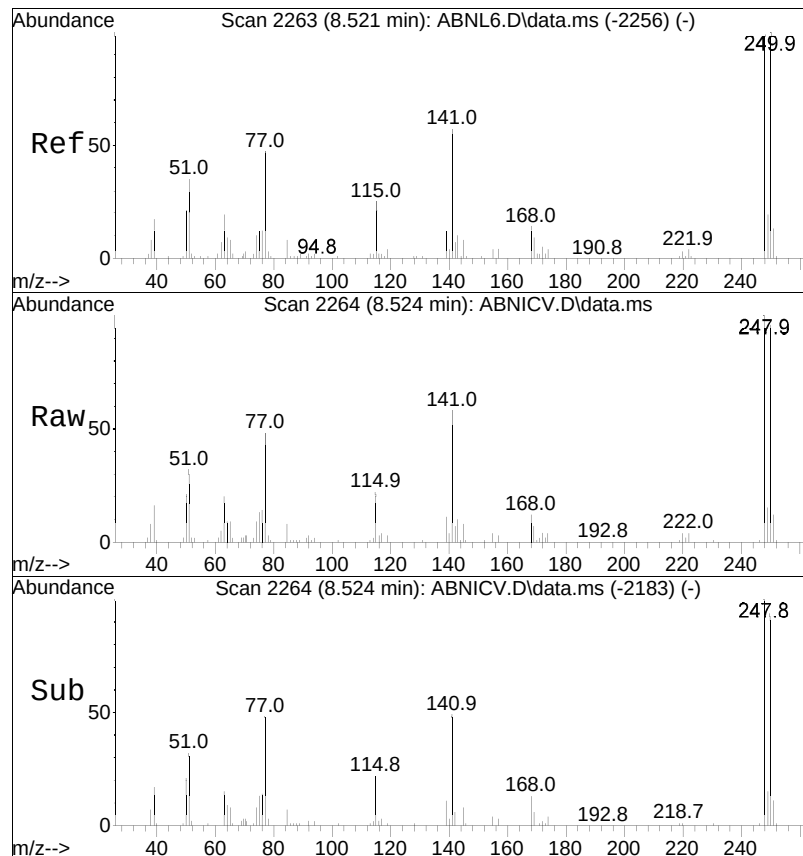




#80
 Azobenzene
 Concen: 5.28 ug/ml
 RT: 8.207 min Scan# 2162
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

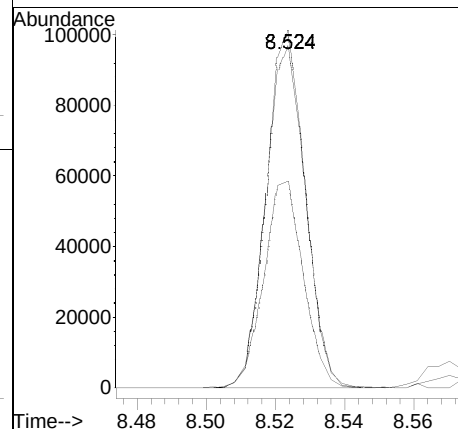
Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.6	17.4	26.2
105	17.4	15.4	23.2

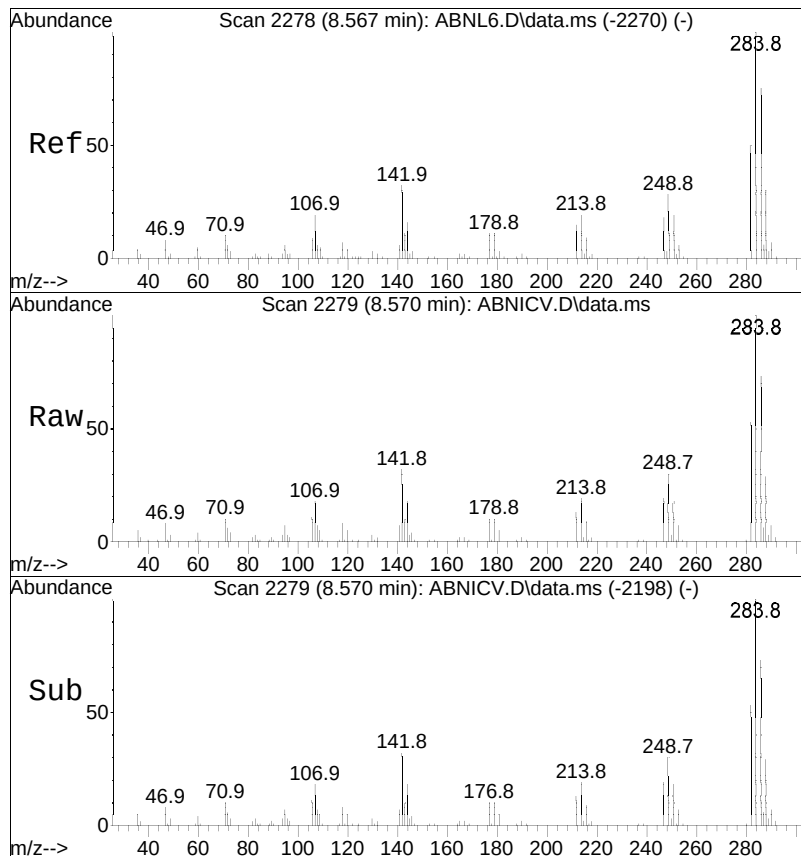




#82
 4-Bromophenyl phenyl ether
 Concen: 4.64 ug/ml
 RT: 8.524 min Scan# 2264
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

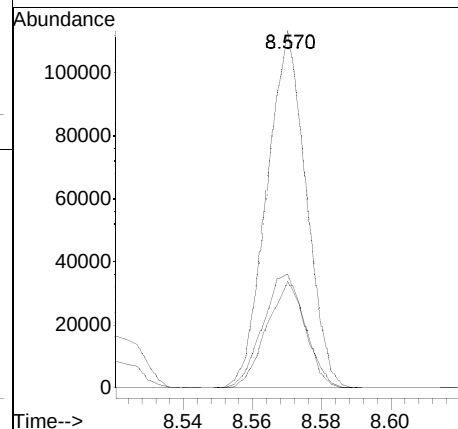
Tgt Ion:	248	Resp:	78421
Ion Ratio	Lower	Upper	
248	100		
141	59.2	76.6	114.8#
250	98.3	77.3	115.9

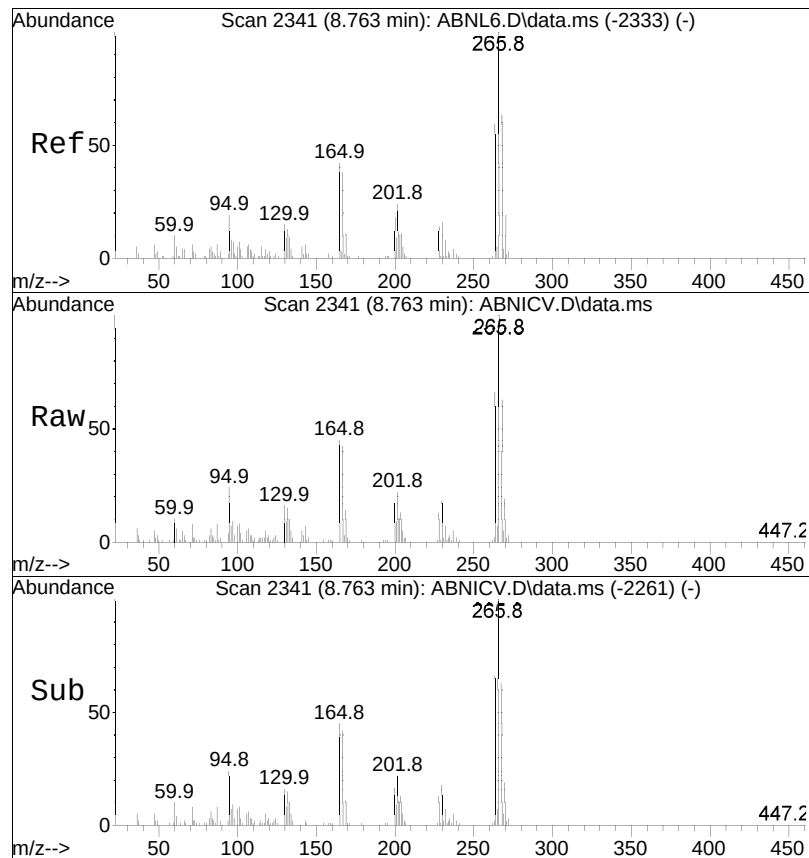




#83
 Hexachlorobenzene
 Concen: 4.56 ug/ml
 RT: 8.570 min Scan# 2279
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

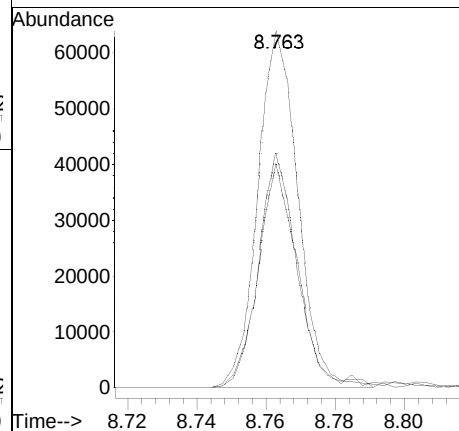
Tgt Ion:	284	Resp:	89014
Ion Ratio	Lower	Upper	
284	100		
142	33.9	41.9	62.9#
249	29.9	24.1	36.1

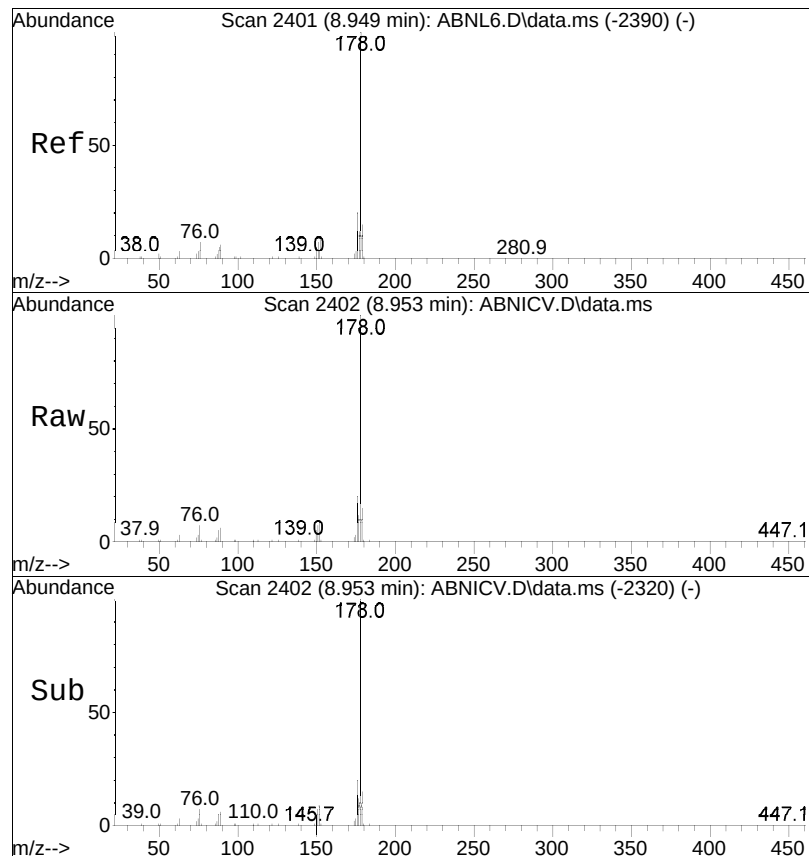




#84
 Pentachlorophenol
 Concen: 4.86 ug/ml
 RT: 8.763 min Scan# 2341
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

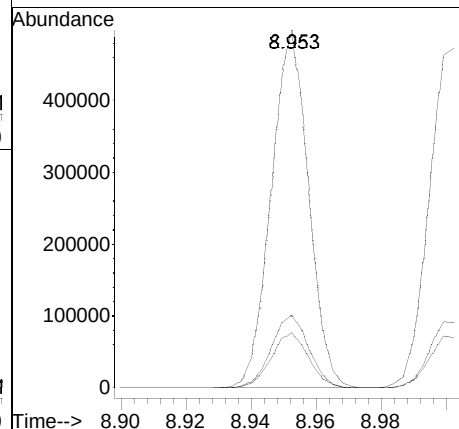
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	51565		
264	63.2		49.7	74.5
268	61.8		50.5	75.7

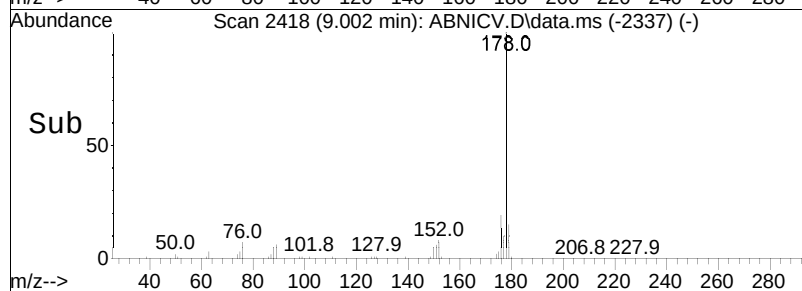
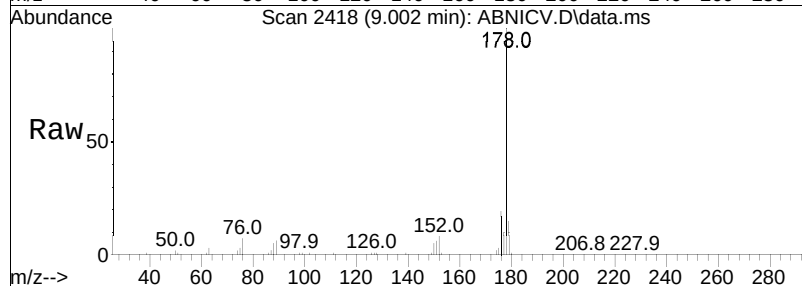
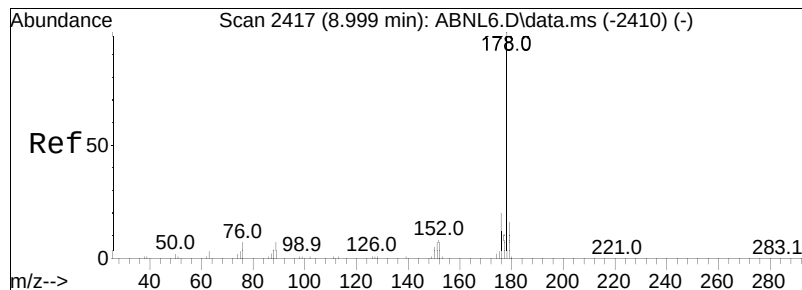




#91
 Phenanthrene
 Concen: 4.79 ug/ml
 RT: 8.953 min Scan# 2402
 Delta R.T. 0.004 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

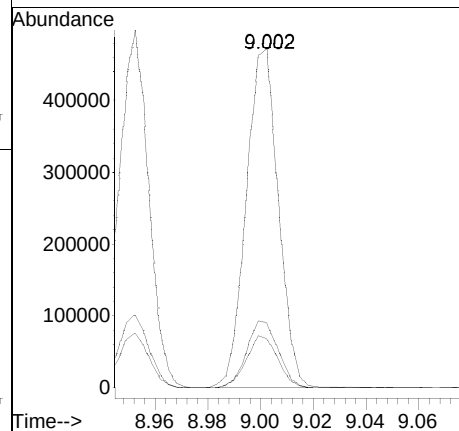
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.2
176	20.4	15.4	23.2

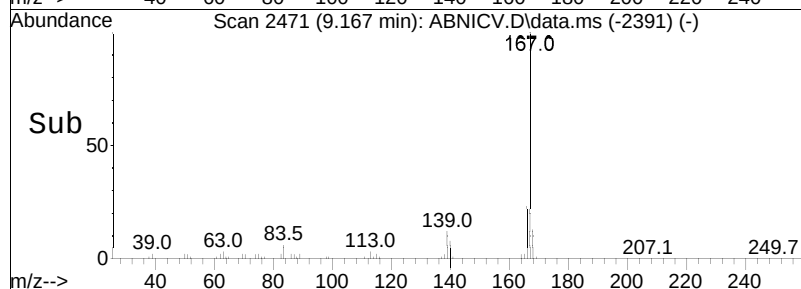
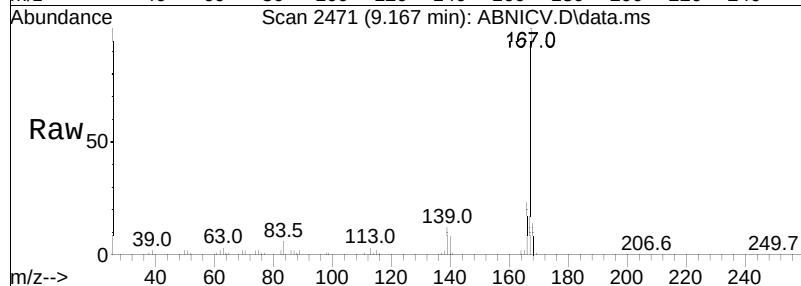
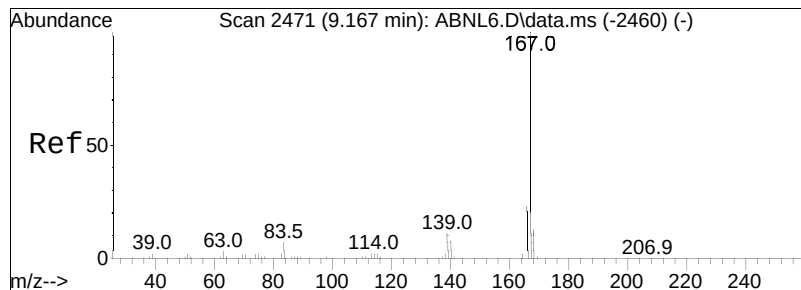




#92
 Anthracene
 Concen: 5.02 ug/ml
 RT: 9.002 min Scan# 2418
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.0	18.0
176	19.5	14.6	22.0





#93

Carbazole

Concen: 5.11 ug/ml

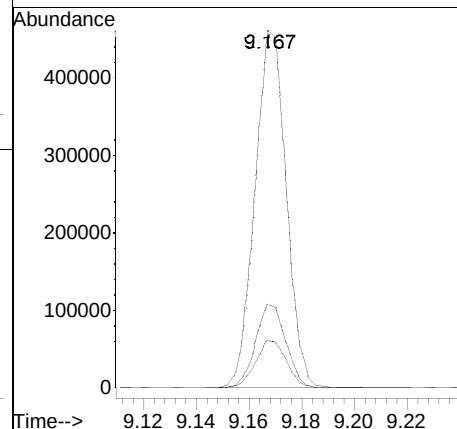
RT: 9.167 min Scan# 2471

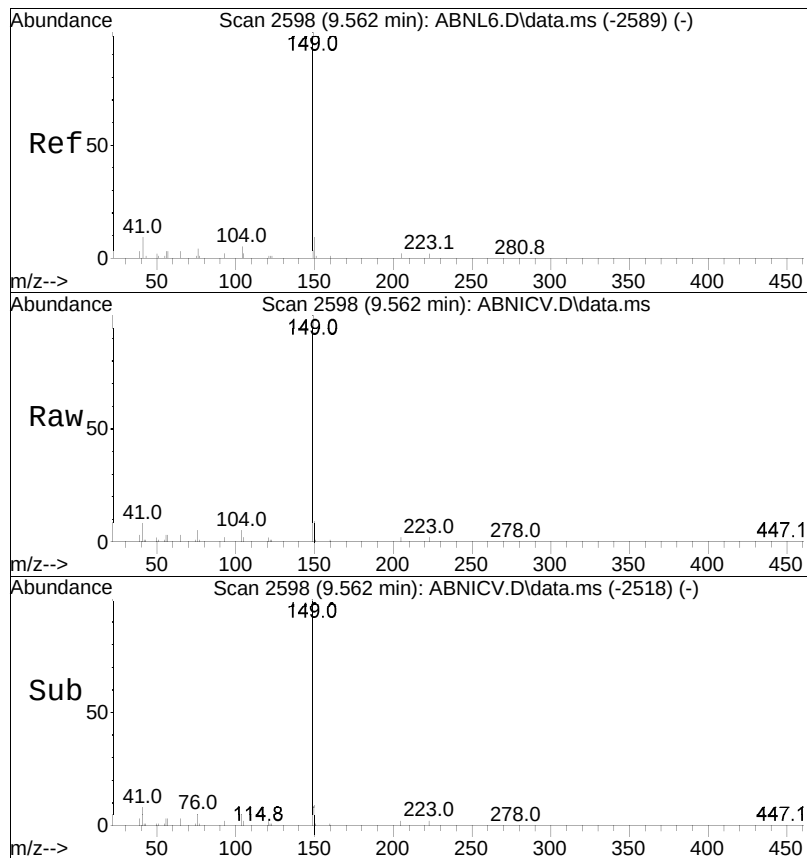
Delta R.T. 0.000 min

Lab File: ABNICV.D

Acq: 20 Aug 2025 7:32 pm

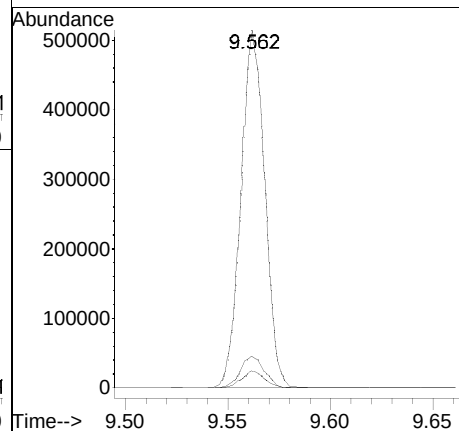
Tgt Ion:	167	Resp:	376746
Ion Ratio	Lower	Upper	
167	100		
168	13.4	10.6	15.8
166	22.8	17.4	26.0

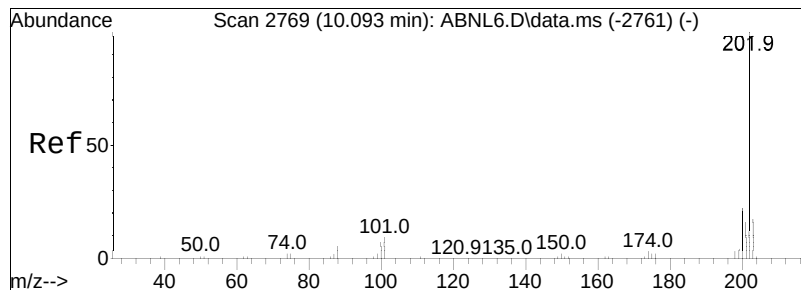




#94
 Di-n-butylphthalate
 Concen: 5.24 ug/ml
 RT: 9.562 min Scan# 2598
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

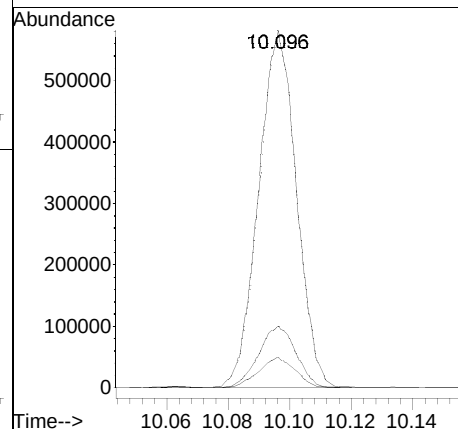
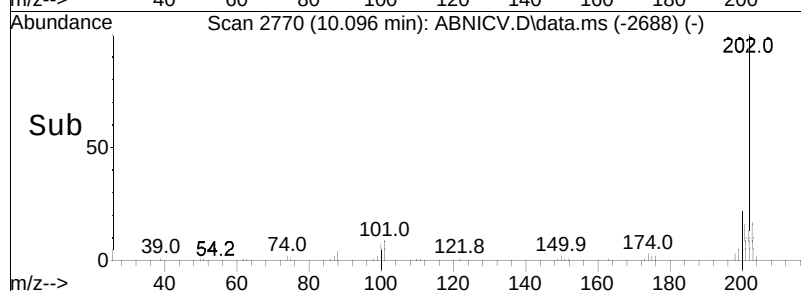
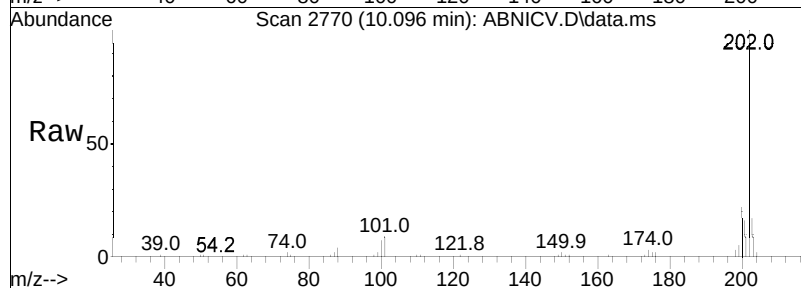
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	409517		
150	9.0		7.0	10.6
104	4.7		4.5	6.7

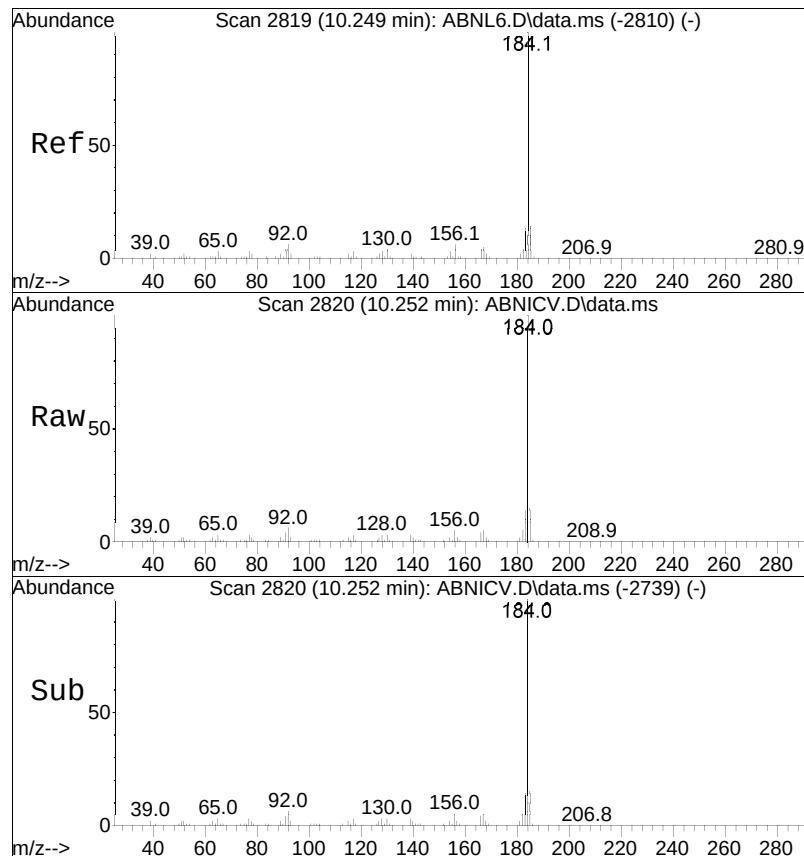




#95
 Fluoranthene
 Concen: 4.96 ug/ml
 RT: 10.096 min Scan# 2770
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

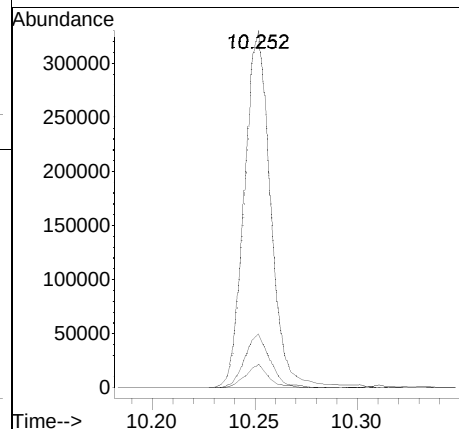
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	491421		
101	8.4		13.5	20.3#
203	17.3		13.6	20.4

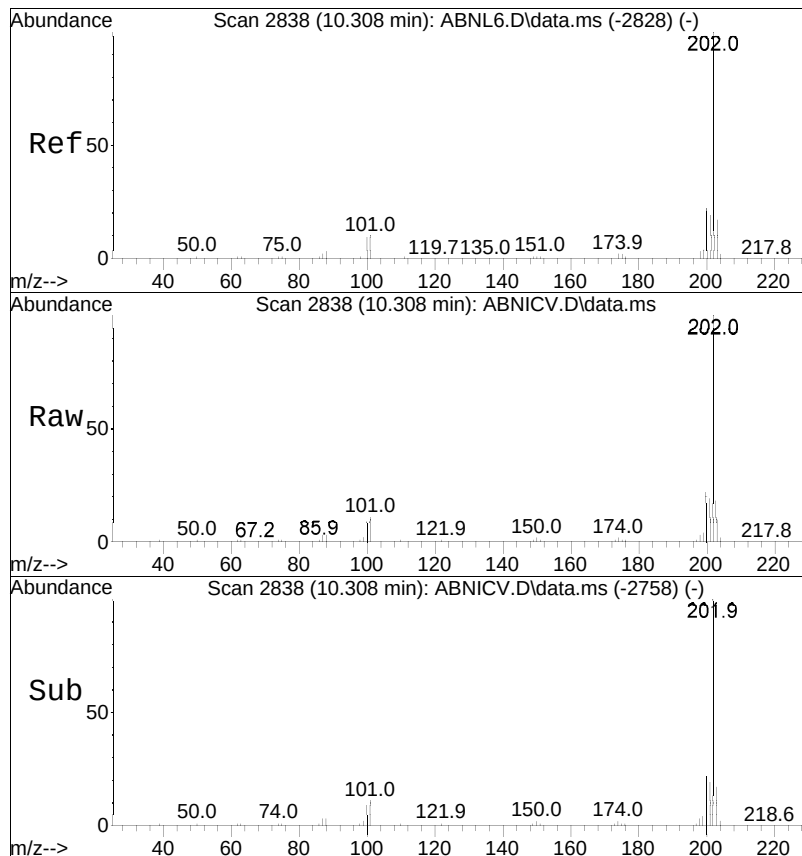




#96
 Benzidine
 Concen: 5.21 ug/ml
 RT: 10.252 min Scan# 2820
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

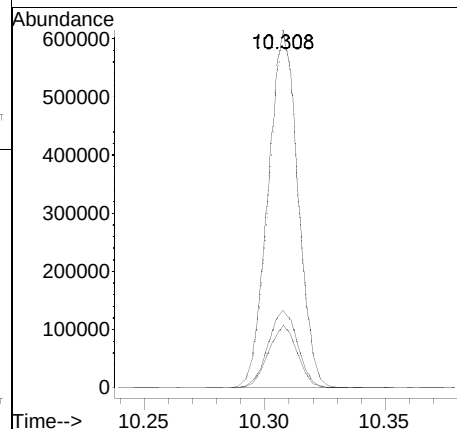
Tgt Ion:	184	Resp:	291243
Ion Ratio	Lower	Upper	
184	100		
92	5.9	9.1	13.7#
185	14.7	11.1	16.7

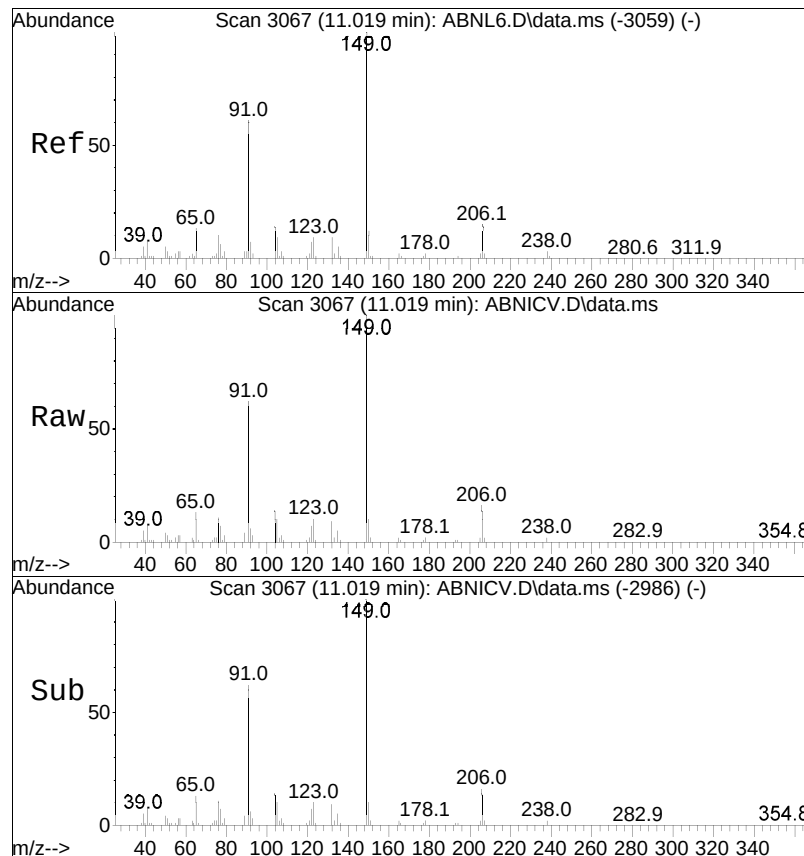




#97
 Pyrene
 Concen: 4.94 ug/ml
 RT: 10.308 min Scan# 2838
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

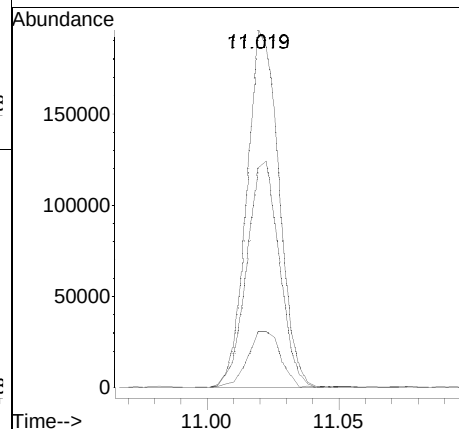
Tgt Ion:	202	Resp:	523428
Ion Ratio	Lower	Upper	
202	100		
200	21.7	16.7	25.1
203	17.2	14.2	21.4

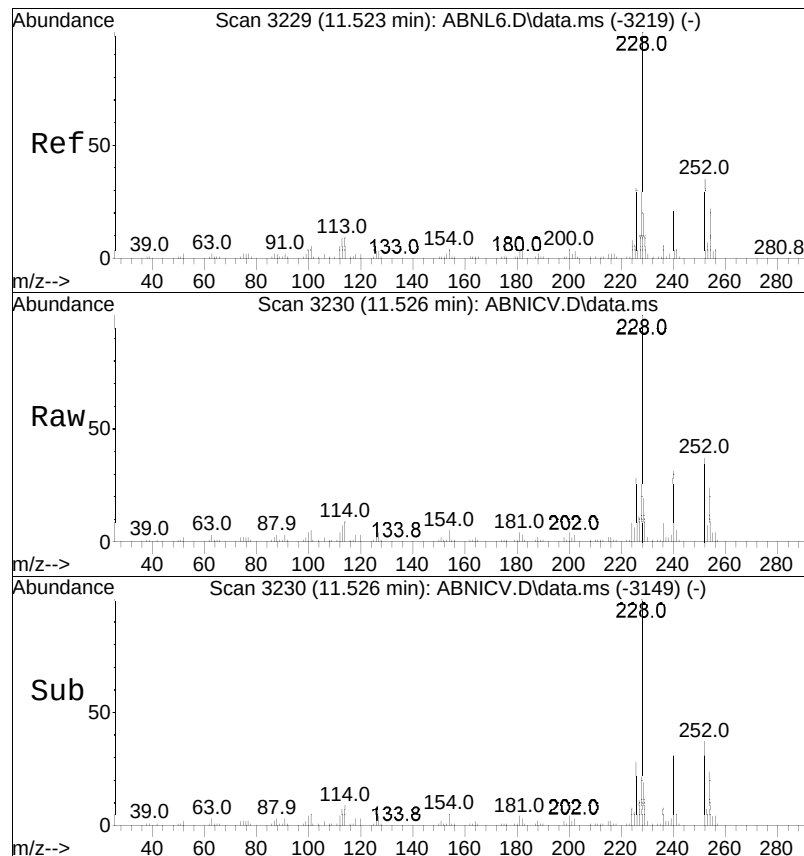




#99
 Butyl benzyl phthalate
 Concen: 4.76 ug/ml
 RT: 11.019 min Scan# 3067
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

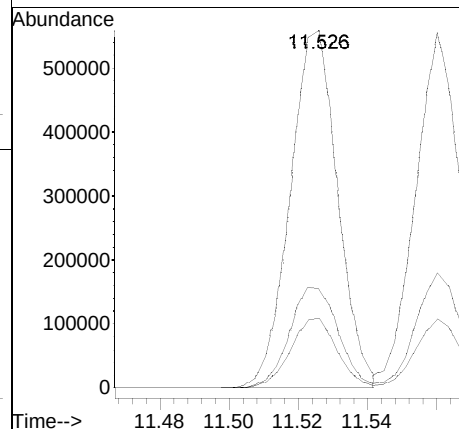
Tgt Ion:	149	Resp:	164937
Ion Ratio	Lower	Upper	
149	100		
91	64.2	63.3	94.9
206	16.2	13.9	20.9

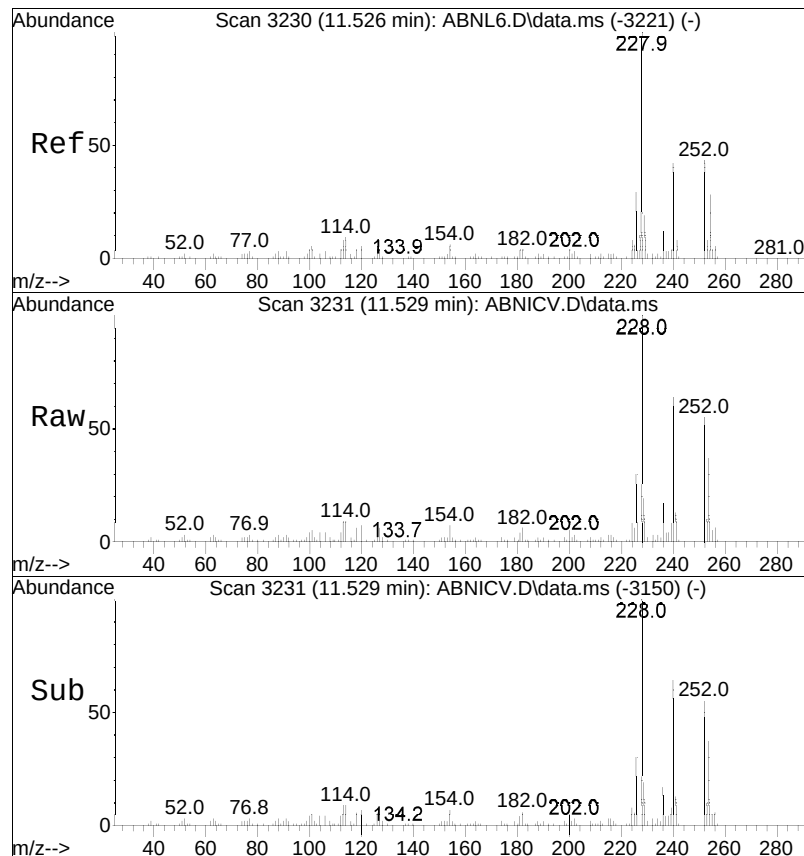




#107
Benzo(a)anthracene
Concen: 5.13 ug/ml
RT: 11.526 min Scan# 3230
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 20 Aug 2025 7:32 pm

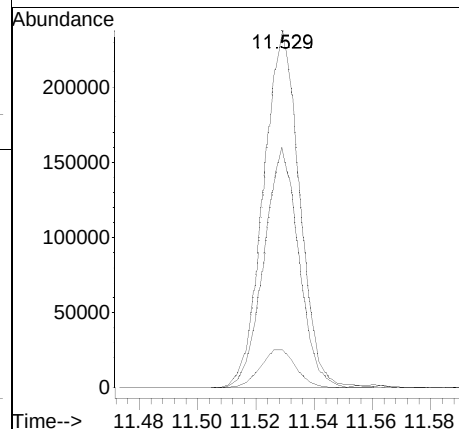
Tgt	Ion:228	Resp:	533403
Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.2	33.4
229	19.2	15.6	23.4

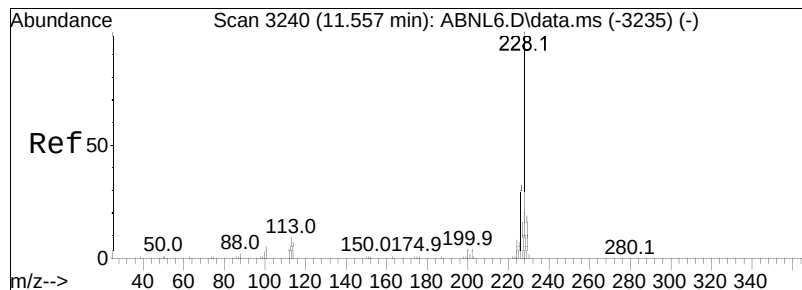




#108
 3,3'-Dichlorobenzidine
 Concen: 5.46 ug/ml
 RT: 11.529 min Scan# 3231
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

Tgt	Ion	Ratio	Lower	Upper
252	100			
126	11.0	14.5	21.7#	
254	65.4	51.2	76.8	





#109

Chrysene

Concen: 4.79 ug/ml

RT: 11.560 min Scan# 3241

Delta R.T. 0.003 min

Lab File: ABNICV.D

Acq: 20 Aug 2025 7:32 pm

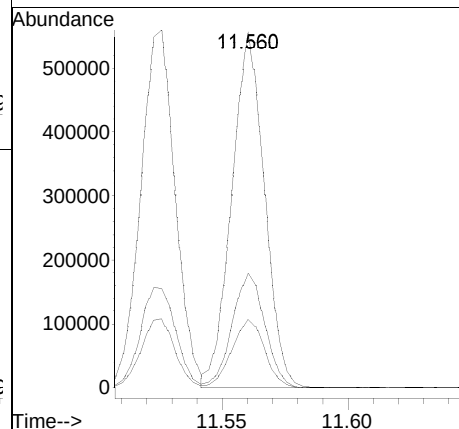
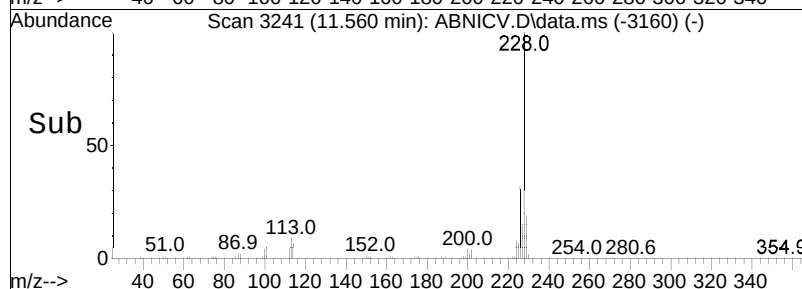
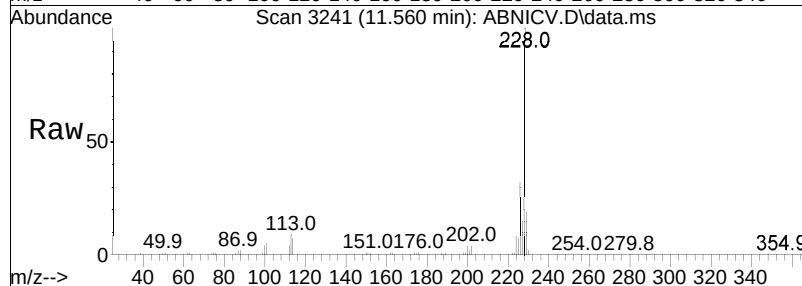
Tgt Ion: 228 Resp: 505259

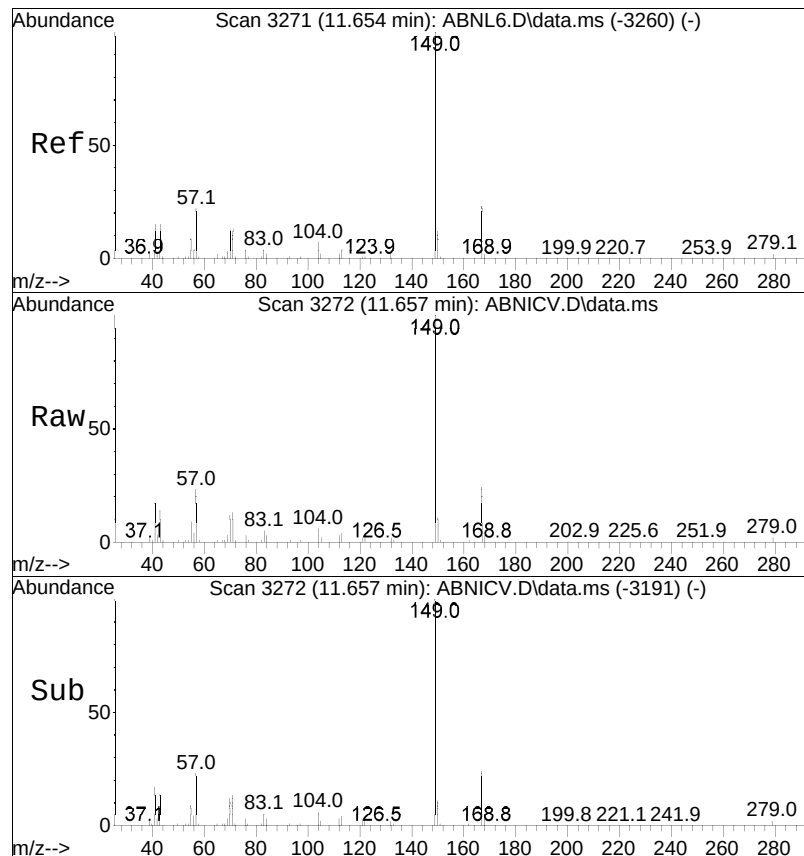
Ion Ratio Lower Upper

228 100

226 32.3 24.0 36.0

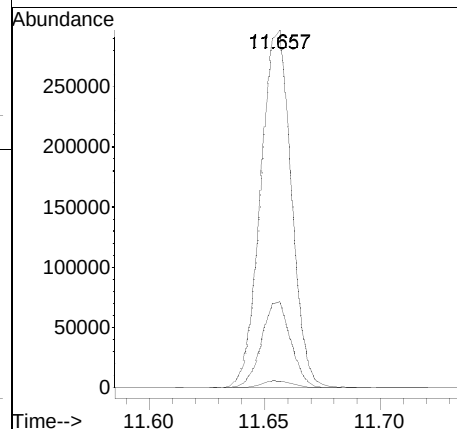
229 19.4 15.8 23.8

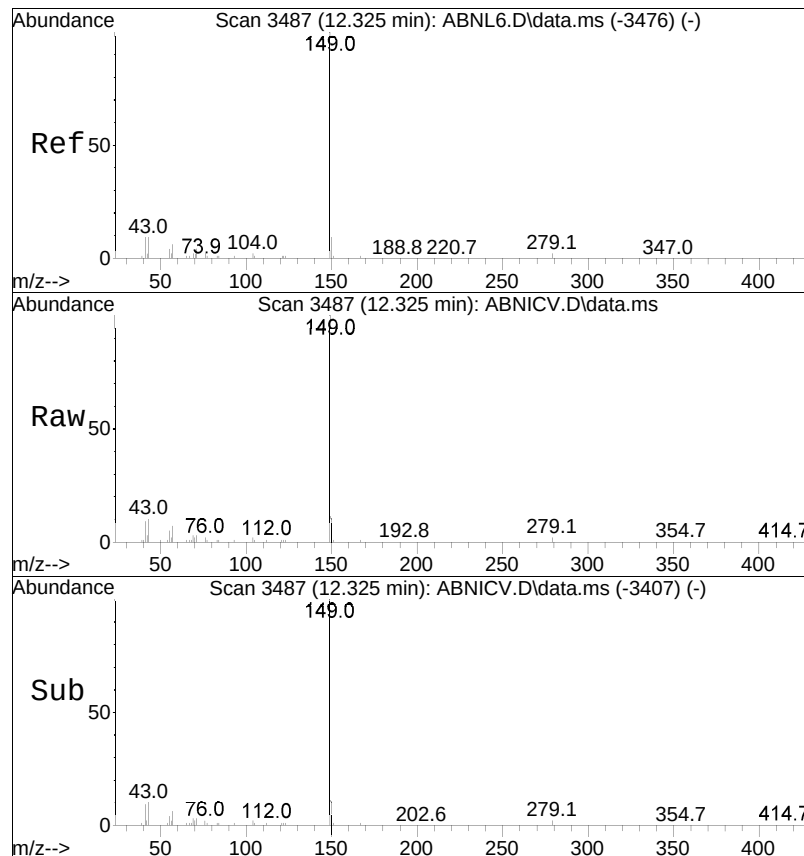




#110
 Bis(2-ethylhexyl)phthalate
 Concen: 5.50 ug/ml
 RT: 11.657 min Scan# 3272
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

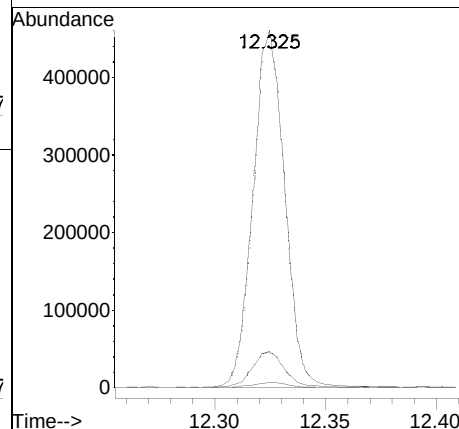
Tgt Ion:	149	Resp:	272365
Ion Ratio	Lower	Upper	
149	100		
167	23.1	22.1	33.1
279	2.1	3.0	4.4#

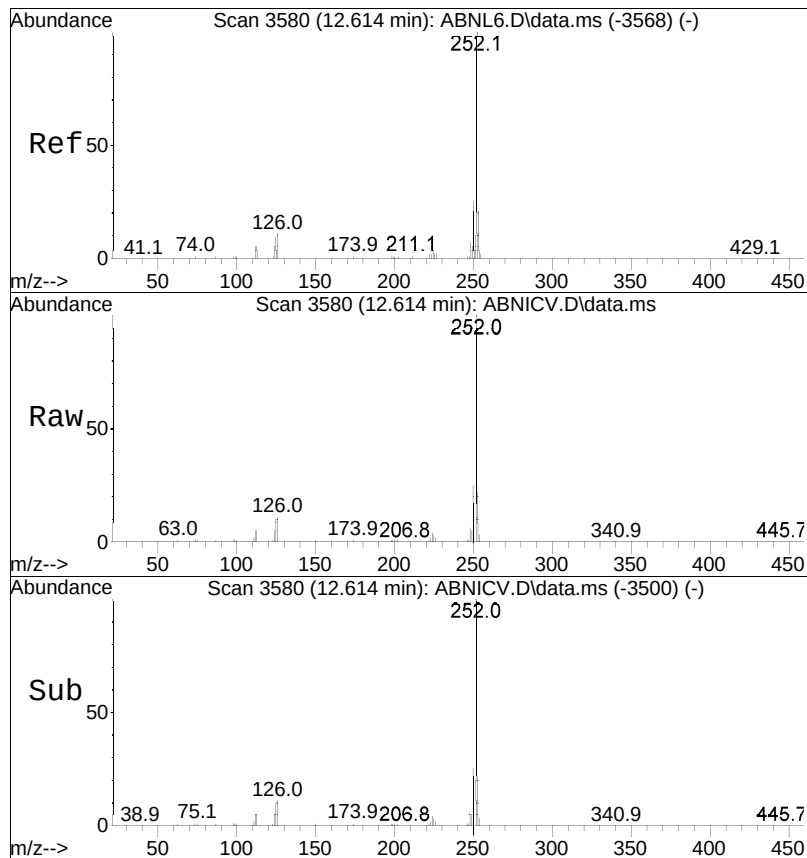




#111
 Di-n-octylphthalate
 Concen: 5.16 ug/ml
 RT: 12.325 min Scan# 3487
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

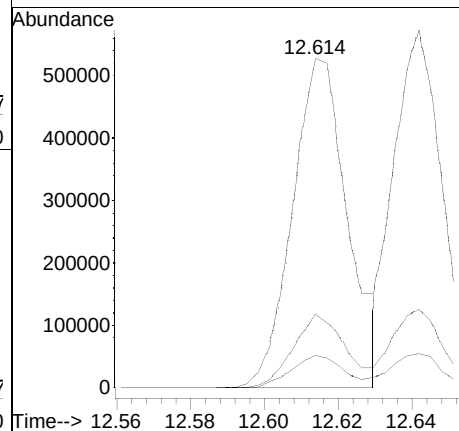
Tgt Ion:	149	Resp:	451519
Ion Ratio	Lower	Upper	
149	100		
43	10.4	18.8	28.2#
167	1.3	1.3	1.9

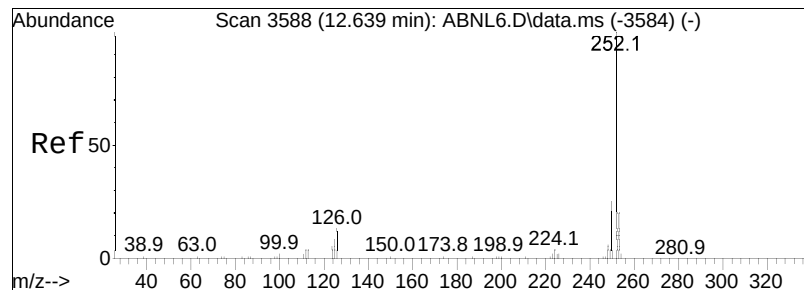




#112
 Benzo(b)fluoranthene
 Concen: 5.23 ug/ml
 RT: 12.614 min Scan# 3580
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

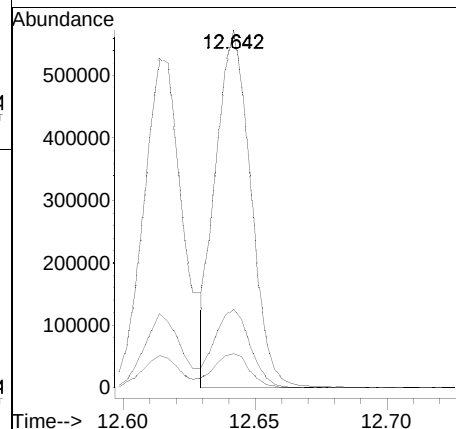
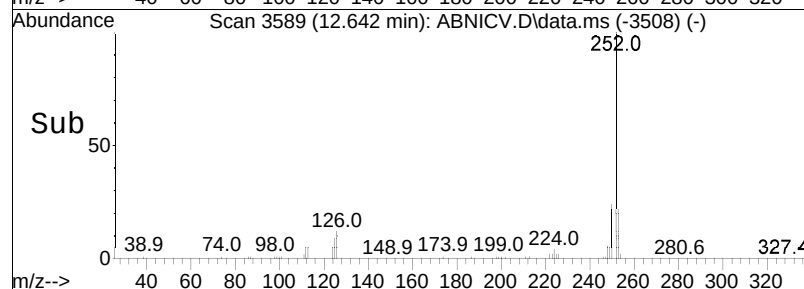
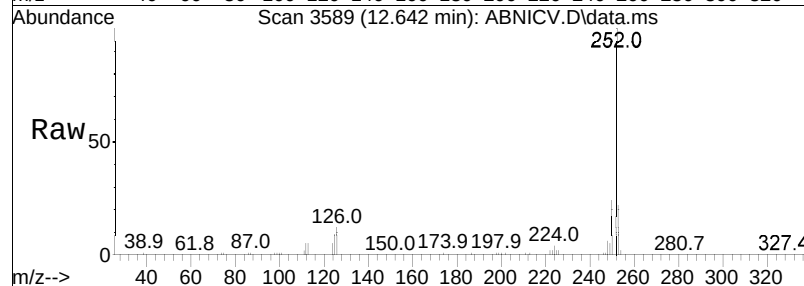
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	548854		
125	9.3		13.3	19.9#
253	20.5		17.1	25.7

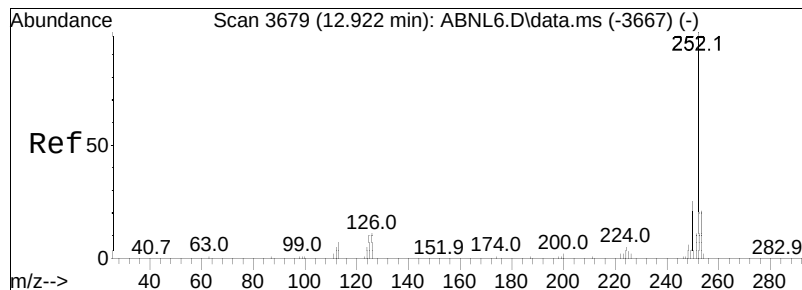




#113
 Benzo(k)fluoranthene
 Concen: 5.06 ug/ml
 RT: 12.642 min Scan# 3589
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

Tgt Ion	Ratio	Lower	Upper
252	100		
125	10.1	13.0	19.6#
253	23.4	16.8	25.2





#114

Benzo(a)pyrene

Concen: 5.33 ug/ml M3

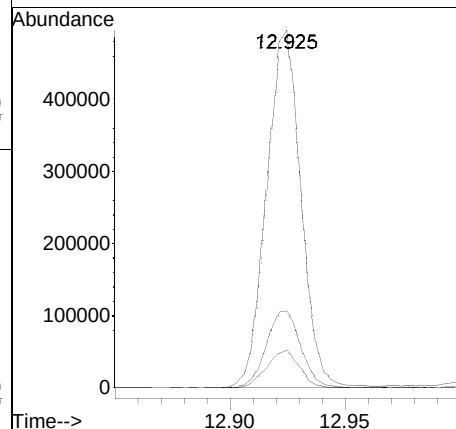
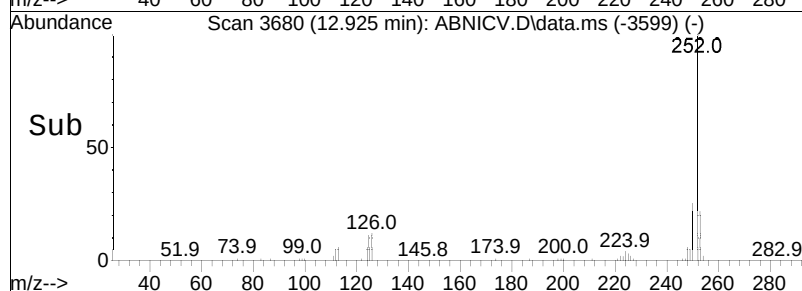
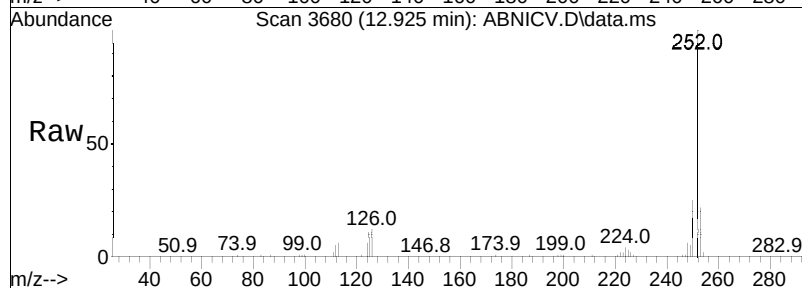
RT: 12.925 min Scan# 3680

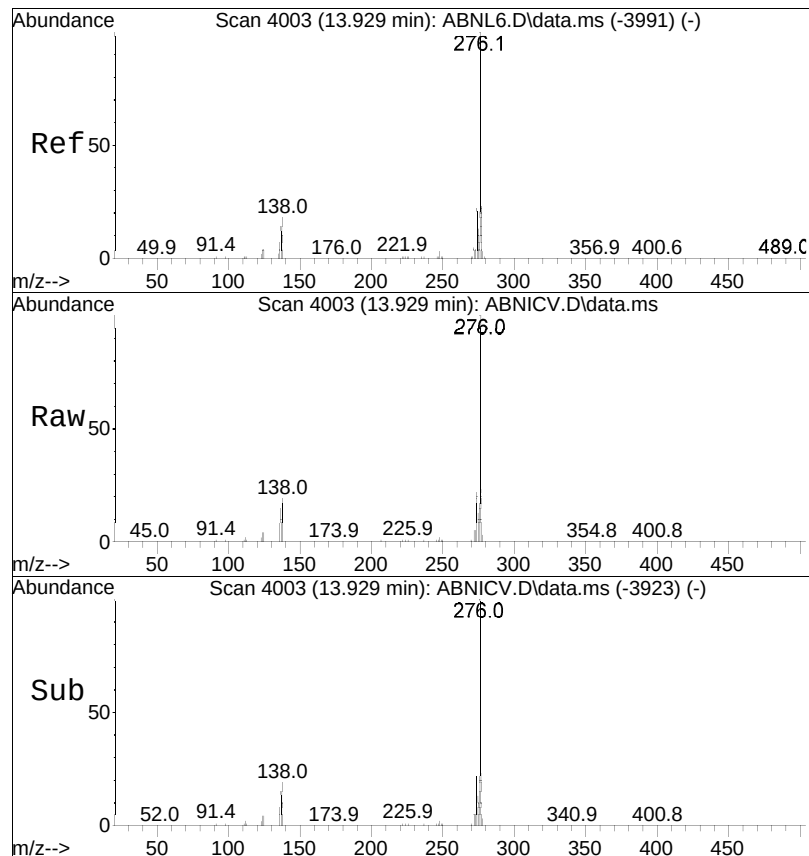
Delta R.T. 0.003 min

Lab File: ABNICV.D

Acq: 20 Aug 2025 7:32 pm

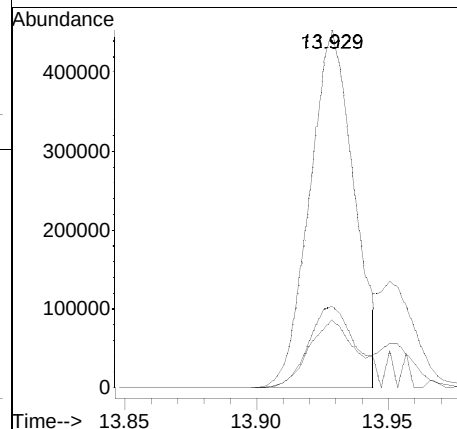
Tgt	Ion	Ratio	Lower	Upper
252	100			
125	0.5	14.2	21.2#	
253	0.6	16.9	25.3#	

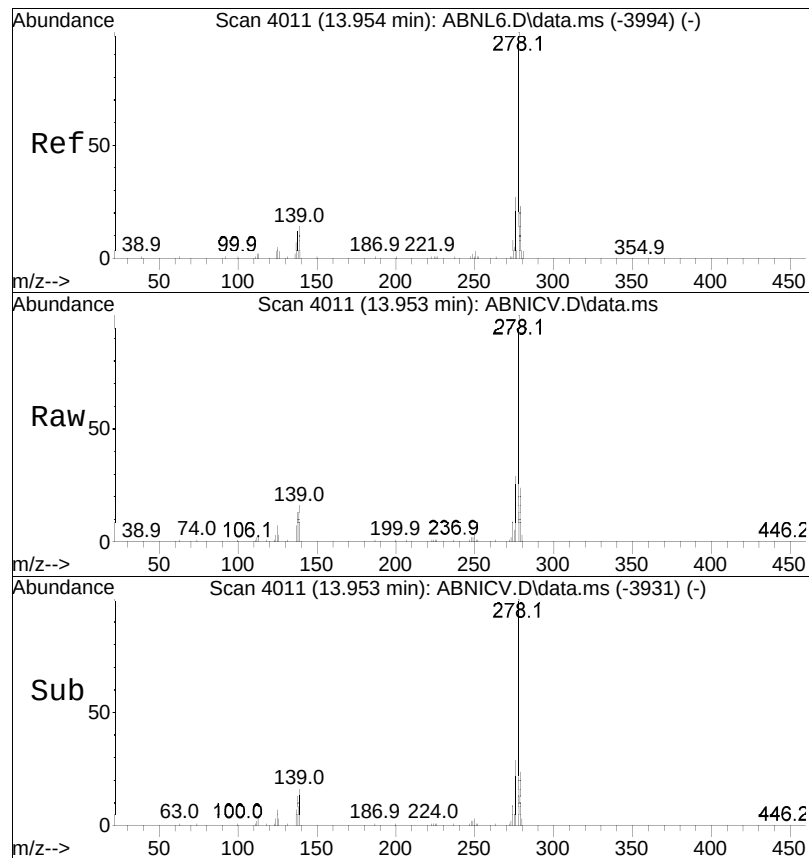




#116
 Indeno(1,2,3-cd)pyrene
 Concen: 5.00 ug/mL M6
 RT: 13.929 min Scan# 4003
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

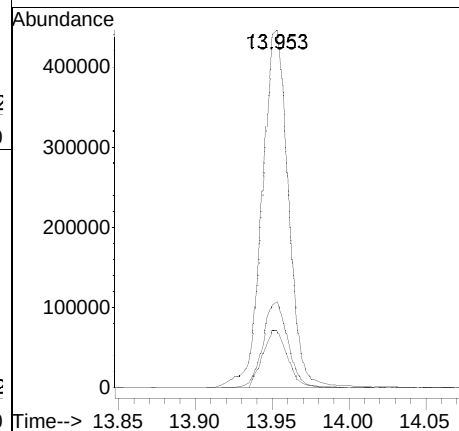
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	528526		
138	19.1		25.1	37.7#
277	24.1		18.6	28.0

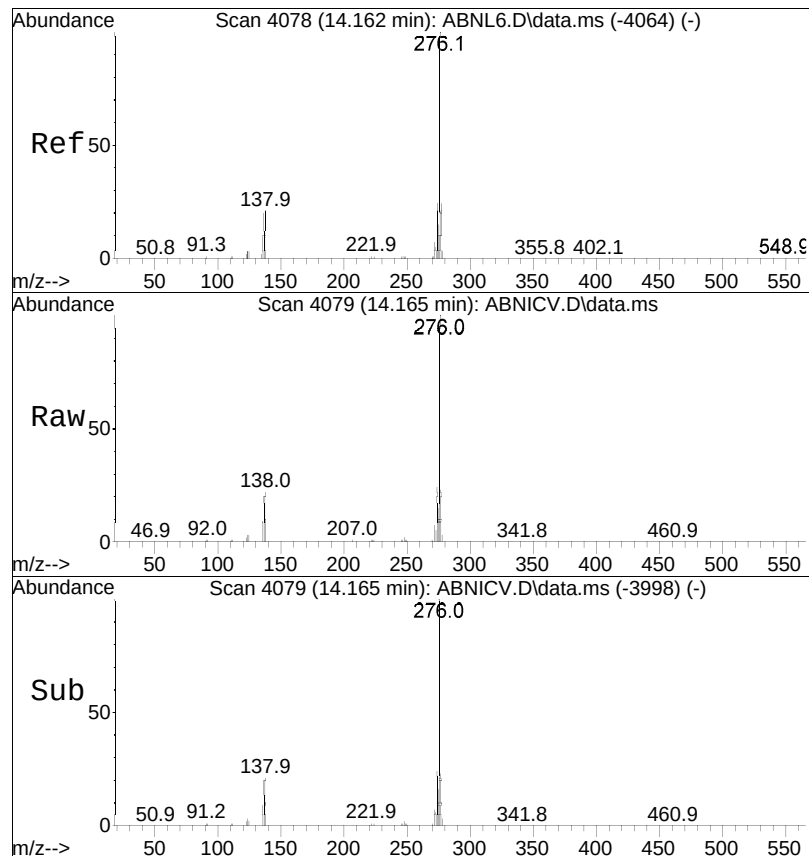




#117
 Dibenzo(a,h)anthracene
 Concen: 4.93 ug/ml
 RT: 13.953 min Scan# 4011
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

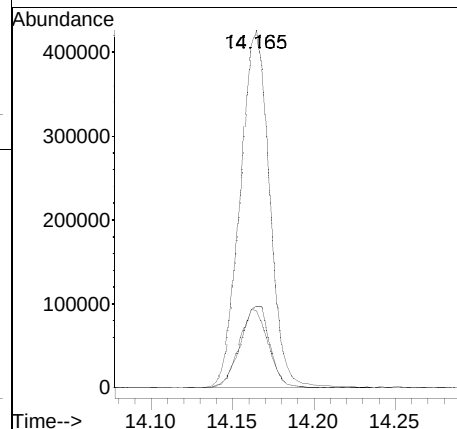
Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.6	20.8	31.2#
279	23.3	18.3	27.5





#118
 Benzo(ghi)perylene
 Concen: 4.93 ug/ml
 RT: 14.165 min Scan# 4079
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 20 Aug 2025 7:32 pm

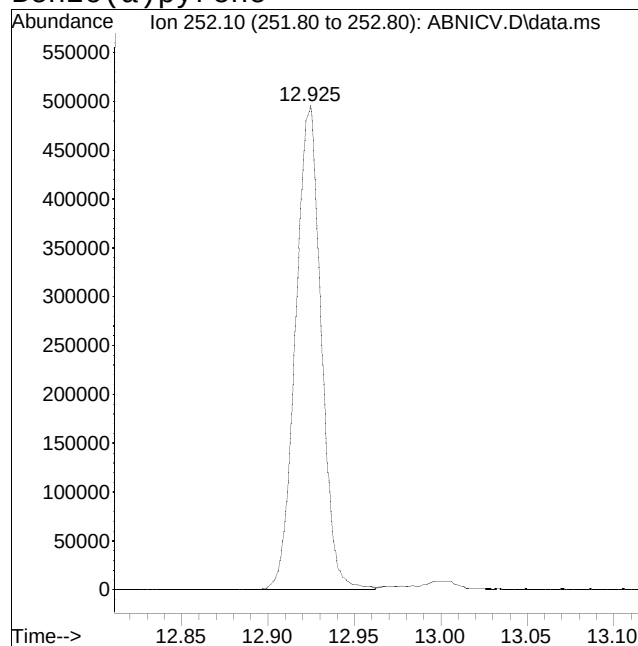
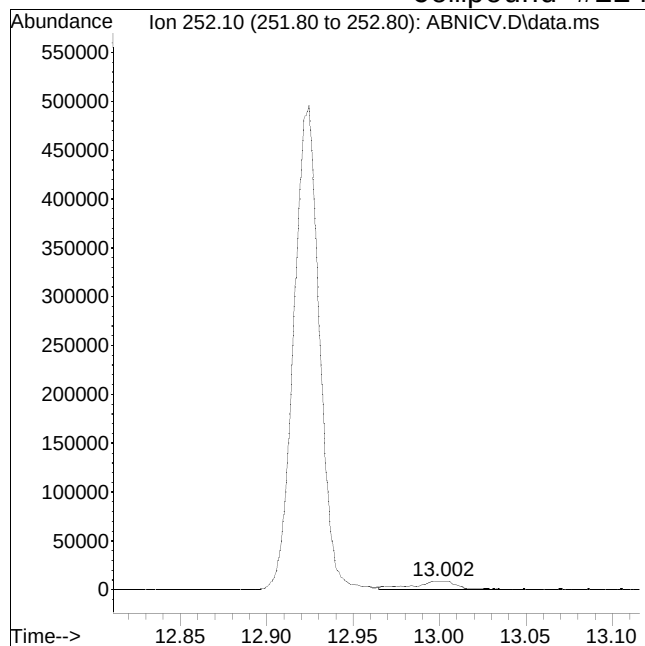
Tgt	Ion:276	Resp:	532012
Ion	Ratio	Lower	Upper
276	100		
138	21.8	29.2	43.8#
277	23.3	18.8	28.2



Manual Integration Report

Data Path : I:\8270\Dakota\250821RVTICQMethod : FS250821RVT_Dakota.m
Data File : ABNICV.D Operator : Dakota:smz
Date Inj'd : 8/20/2025 7:32 pm Instrument : Dakota
Sample : CQICV1,32,,ABNICV Lot# 118641 Quant Date : 8/21/2025 7:08 am

Compound #114: Benzo(a)pyrene



Original Peak Response = 16117

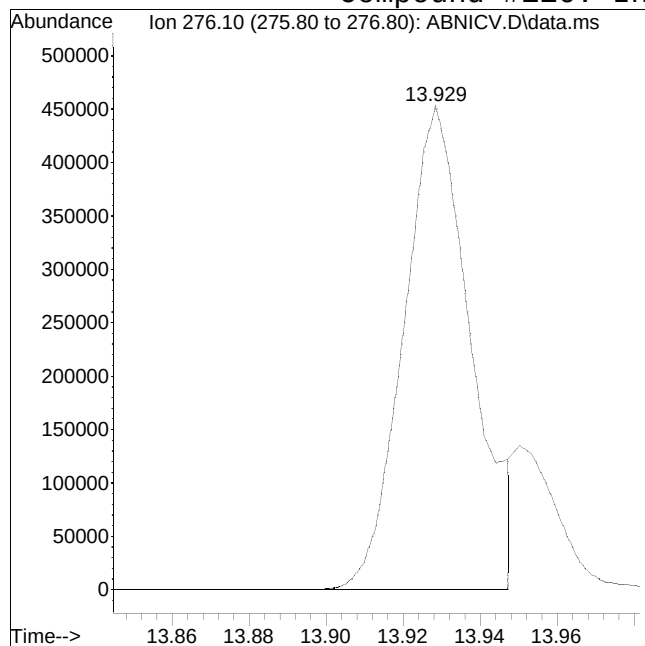
Manual Peak Response = 510132 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

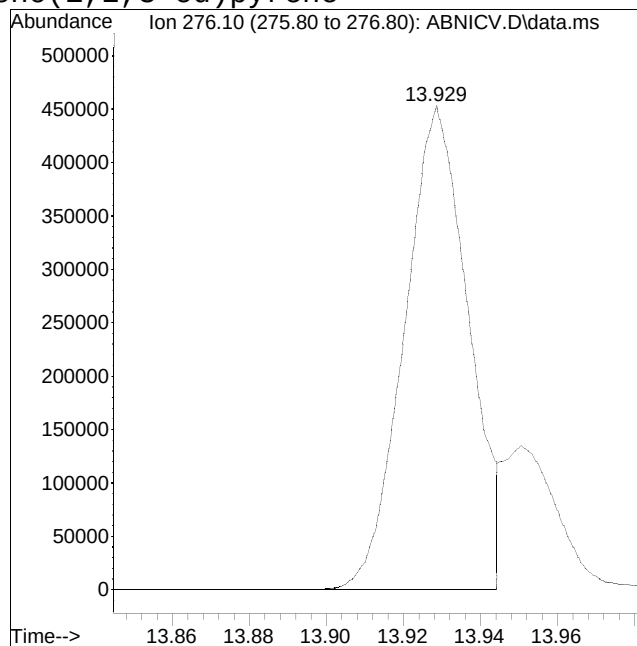
Data Path : I:\8270\Dakota\250820RVTICQ\data.ms
Data File : ABNICV.D
Date Inj'd : 8/20/2025 7:32 pm
Sample : CQICV1,32,,ABNICV Lot# 118
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 7:08 am

Compound #116: Indeno(1,2,3-cd)pyrene



Original Peak Response = 551375

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 528526 M6

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9ICV.D
 Acq On : 20 Aug 2025 7:55 pm
 Operator : Dakota:smz
 Sample : CQICV2,32,,AP9ICV Lot# 11855
 Misc : WG2105679,,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 21 07:08:40 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
28 T	Benzaldehyde	0.534	0.614	-15.0	122	0.00
29 T	Acetophenone	1.663	1.577	5.2	100	0.00
30 T	m-Toluidine	0.957	1.146	-19.7	116	0.00
31 T	2-Chloroaniline	1.447	1.399	3.3	96	0.00
57 I	IS2_Naphthalene-d8	1.000	1.000	0.0	100	0.00
58 T	a-Terpineol	0.245	0.228	6.9	99	0.00
59 T	3-Chloroaniline	0.122	0.123	-0.8	106	0.00
60 T	2,6-Dichlorophenol	0.330	0.313	5.2	100	0.00
61 T	1-chloro-2-nitrobenzene	0.135	0.126	6.7	98	0.00
62 T	Caprolactam	0.128	0.122	4.7	102	0.00
63 T	1,2,4,5-Tetrachlorobenzene	0.495	0.440	11.1	96	0.00
64 T	Biphenyl	1.020	0.909	10.9	96	0.00
85 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	97	0.00
86 T	Dichloran	0.199	0.175	12.1	97	0.00
87 T	Pentachloronitrobenzene	0.197	0.183	7.1	97	0.00
100 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	97	0.00
101 T	Diphenamid	0.486	0.448	7.8	98	0.00

 * Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9ICV.D
 Acq On : 20 Aug 2025 7:55 pm
 Operator : Dakota:smz
 Sample : CQICV2,32,,AP9ICV Lot# 11855
 Misc : WG2105679,,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 21 07:08:40 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.579	152	51723	4.000	ug/ml	0.00
Standard Area 3 = 53367			Recovery =	96.92%		
57) IS2_Naphthalene-d8	5.810	136	185755	4.000	ug/ml	# 0.00
Standard Area 3 = 185003			Recovery =	100.41%		
85) IS2_Acenaphthene-d10	7.507	164	126650	4.000	ug/ml	0.00
Standard Area 3 = 131185			Recovery =	96.54%		
100) IS2_Phenanthrene-d10	8.928	188	292162	4.000	ug/ml	0.00
Standard Area 3 = 300066			Recovery =	97.37%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.144	105	39683	5.257	ug/ml	96
29) Acetophenone	4.980	105	101942	4.333	ug/ml#	81
30) m-Toluidine	5.061	106	74067	5.242	ug/ml	97
31) 2-Chloroaniline	5.419	127	90443	4.430	ug/ml#	92
58) a-Terpineol	5.869	59	52954	4.733	ug/ml#	76
59) 3-Chloroaniline	5.882	65	28510	4.773	ug/ml	94
60) 2,6-Dichlorophenol	5.910	162	72780	4.040	ug/ml#	83
61) 1-chloro-2-nitrobenzene	6.161	111	29209	4.456	ug/ml#	1
62) Caprolactam	6.196	55	28245	4.175	ug/ml#	77
63) 1,2,4,5-Tetrachloroben...	6.674	216	102143	4.618	ug/ml#	97
64) Biphenyl	6.966	154	211120	4.299	ug/ml	97
86) Dichloran	8.629	206	27752	4.227	ug/ml#	64
87) Pentachloronitrobenzene	8.775	237	29032	4.379	ug/ml#	80
101) Diphenamid	9.835	167	163489	4.491	ug/ml#	71

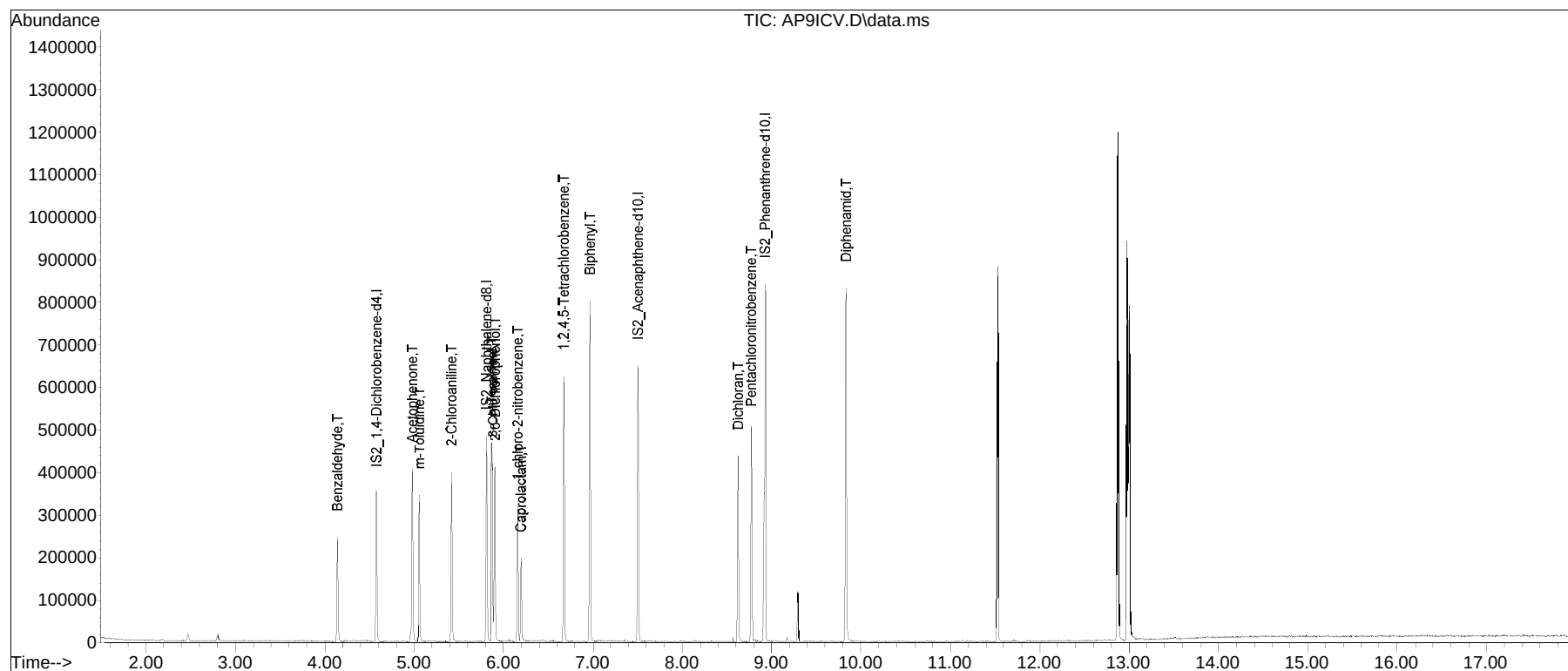
(#) = qualifier out of range (m) = manual integration (+) = signals summed

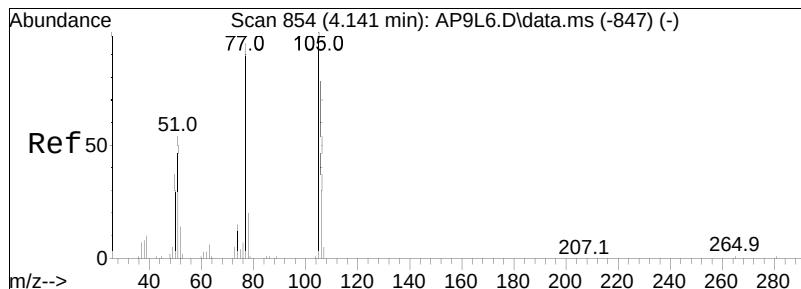
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : AP9ICV.D
 Acq On : 20 Aug 2025 7:55 pm
 Operator : Dakota:smz
 Sample : CQICV2,32,,AP9ICV Lot# 11855
 Misc : WG2105679,,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 21 07:08:40 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ~~AP9ICV.D~~ I:\8270\Dakota\250820RVTICAL\AP9L6.D•





#28

Benzaldehyde

Concen: 5.26 ug/ml

RT: 4.144 min Scan# 855

Delta R.T. 0.003 min

Lab File: AP9ICV.D

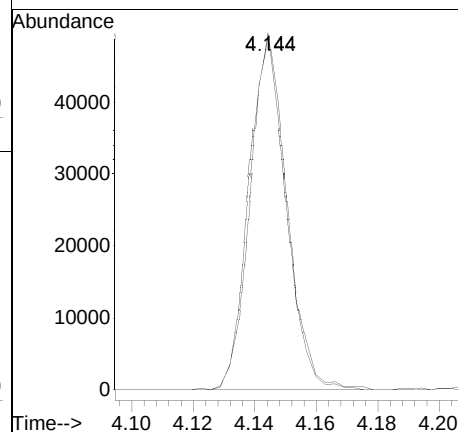
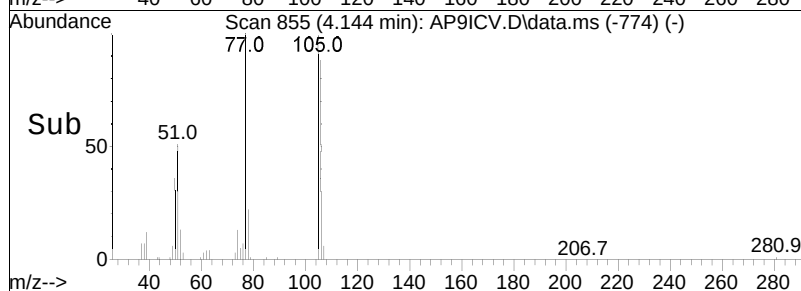
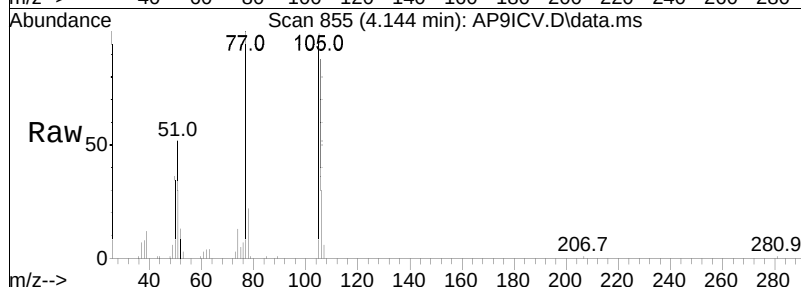
Acq: 20 Aug 2025 7:55 pm

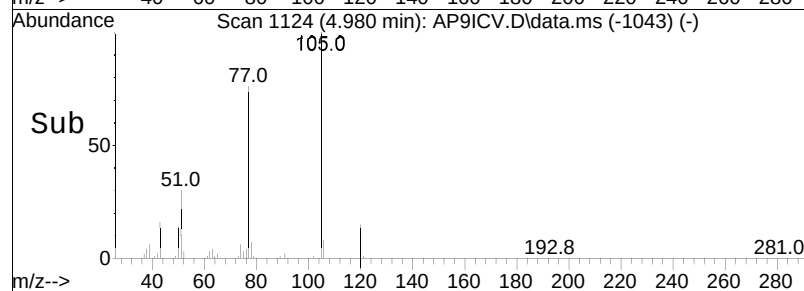
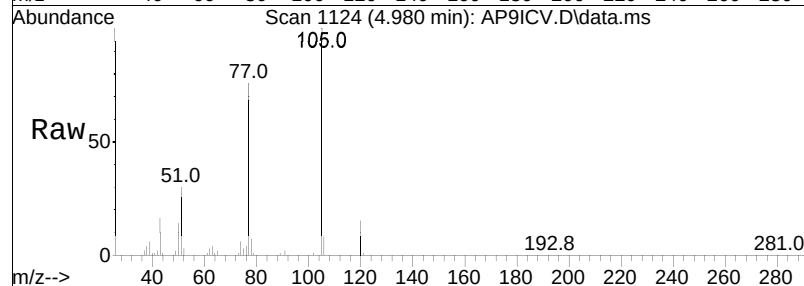
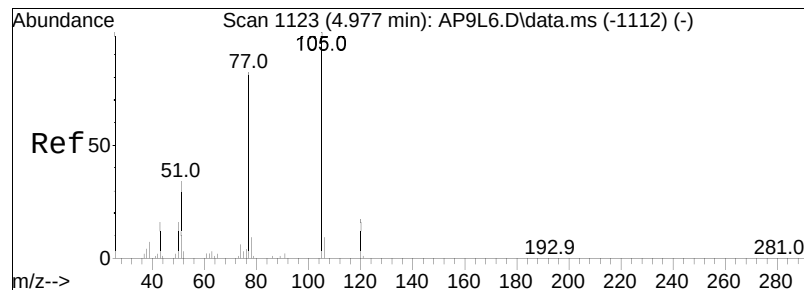
Tgt Ion:105 Resp: 39683

Ion Ratio Lower Upper

105 100

77 107.1 82.2 123.4





#29

Acetophenone

Concen: 4.33 ug/ml

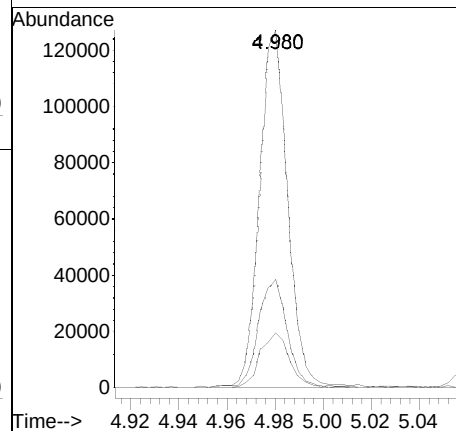
RT: 4.980 min Scan# 1124

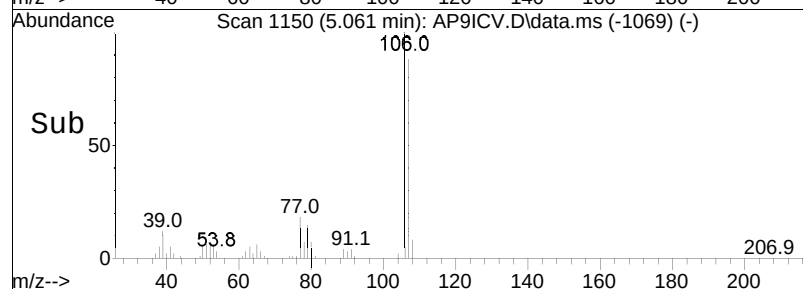
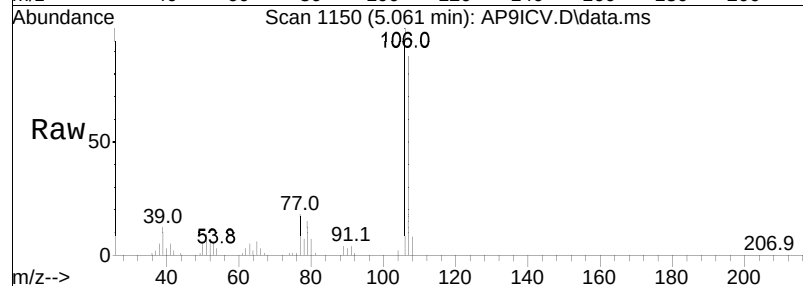
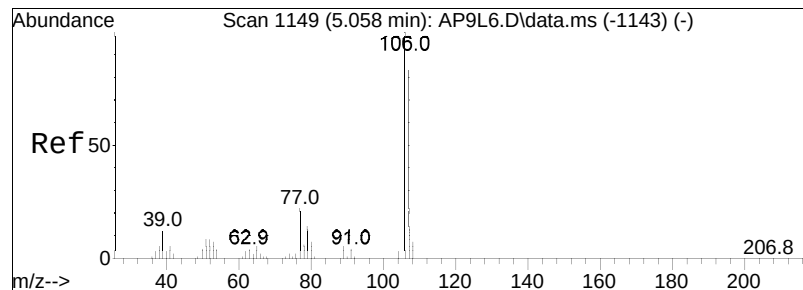
Delta R.T. 0.003 min

Lab File: AP9ICV.D

Acq: 20 Aug 2025 7:55 pm

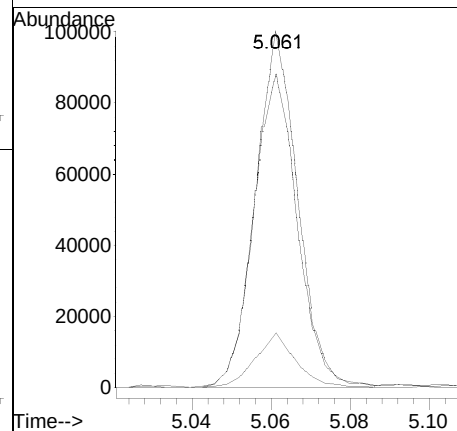
Tgt Ion:	105	Resp:	101942
Ion Ratio	Lower	Upper	
105	100		
120	16.1	20.5	30.7#
51	31.7	34.9	52.3#

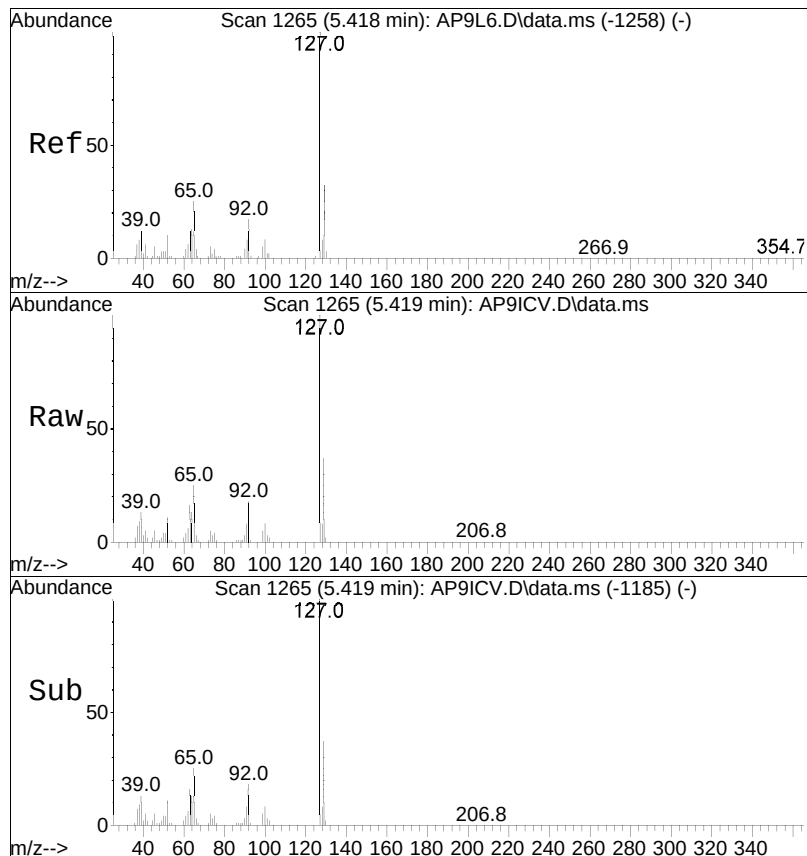




#30
 m-Toluidine
 Concen: 5.24 ug/ml
 RT: 5.061 min Scan# 1150
 Delta R.T. 0.003 min
 Lab File: AP9ICV.D
 Acq: 20 Aug 2025 7:55 pm

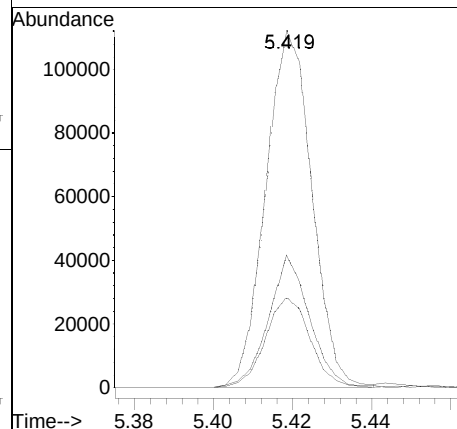
Tgt Ion	Ratio	Lower	Upper
106	100		
107	91.6	75.7	113.5
79	14.7	11.8	17.8

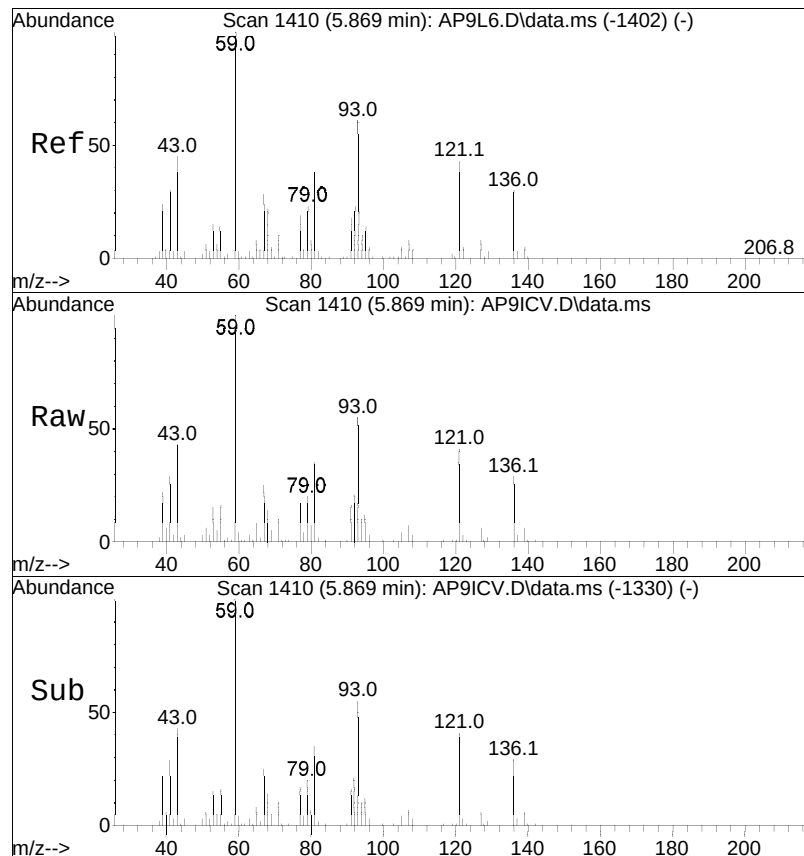




#31
 2-Chloroaniline
 Concen: 4.43 ug/ml
 RT: 5.419 min Scan# 1265
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 20 Aug 2025 7:55 pm

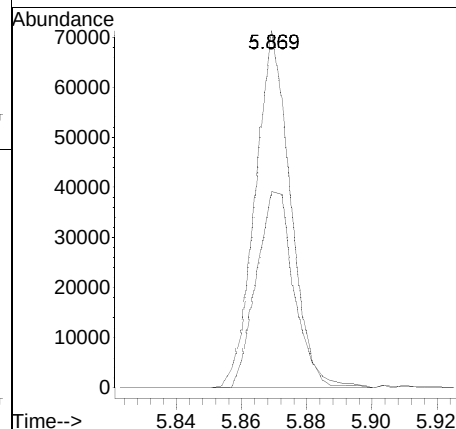
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	90443		
129	33.2		25.9	38.9
65	24.5		26.3	39.5#

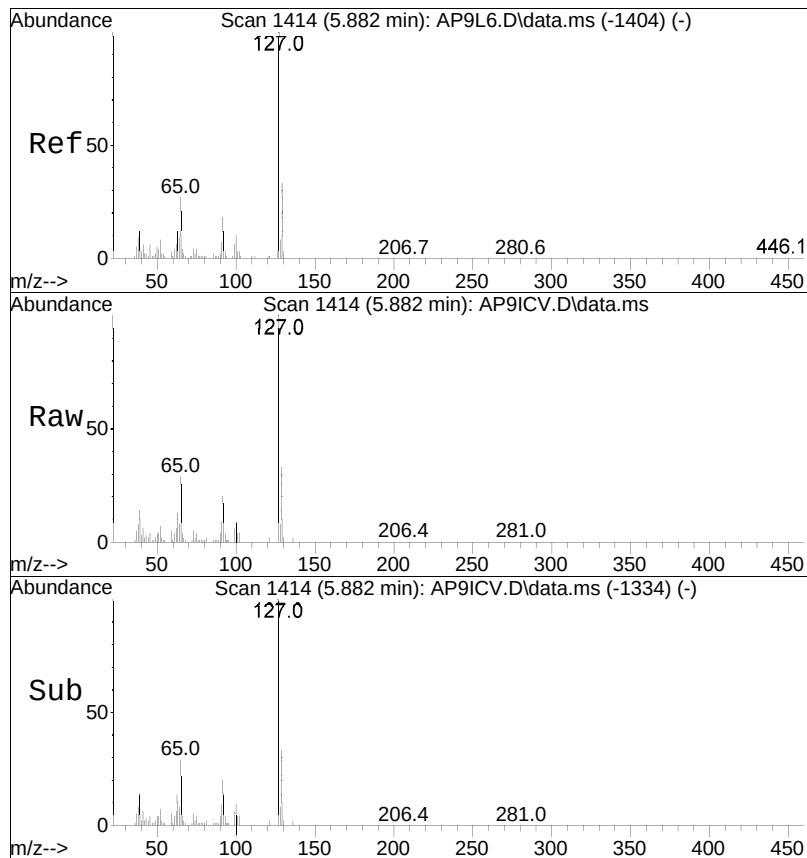




#58
a-Terpineol
Concen: 4.73 ug/ml
RT: 5.869 min Scan# 1410
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 20 Aug 2025 7:55 pm

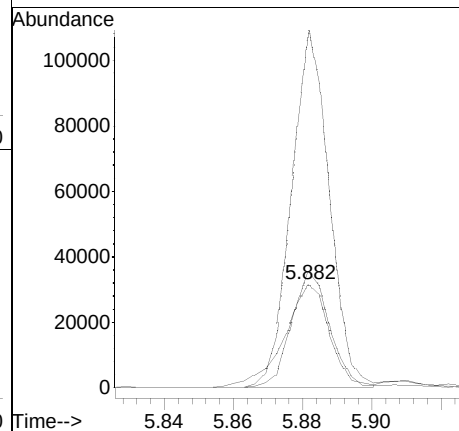
Tgt	Ion	Resp	Lower	Upper
59	100	52954		
93	60.1	35.6	53.4#	

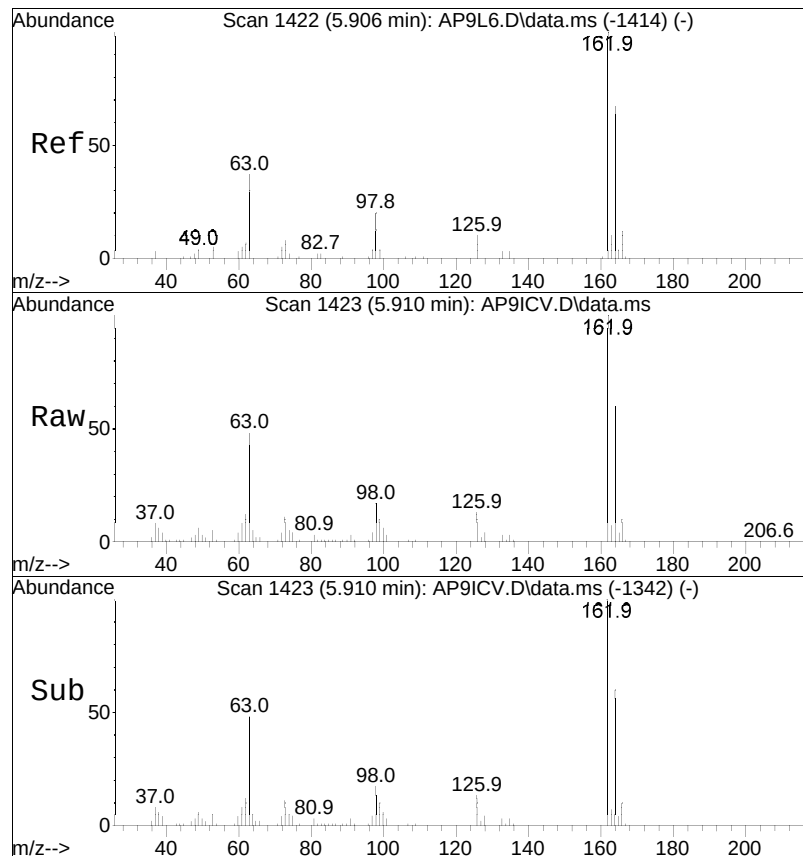




#59
 3-Chloroaniline
 Concen: 4.77 ug/ml
 RT: 5.882 min Scan# 1414
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 20 Aug 2025 7:55 pm

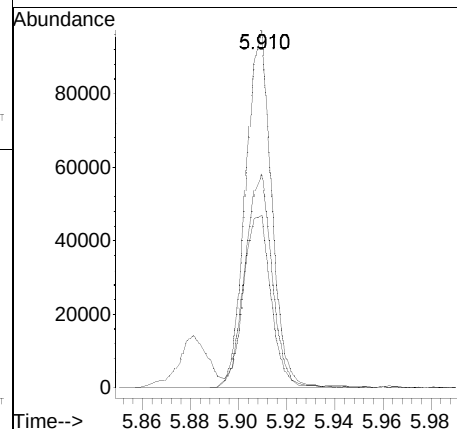
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	28510		
127	289.7	243.2	364.8	
129	96.6	78.8	118.2	

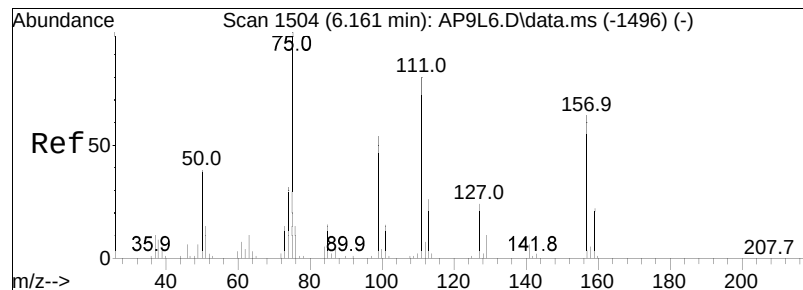




#60
 2,6-Dichlorophenol
 Concen: 4.04 ug/ml
 RT: 5.910 min Scan# 1423
 Delta R.T. 0.003 min
 Lab File: AP9ICV.D
 Acq: 20 Aug 2025 7:55 pm

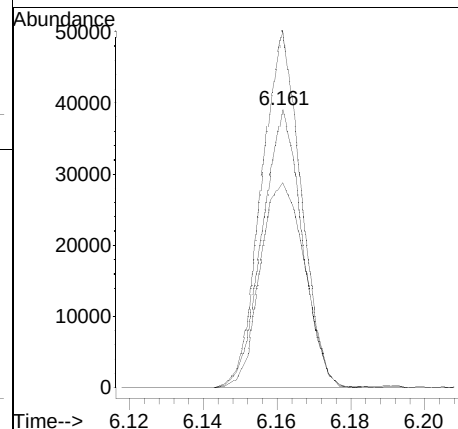
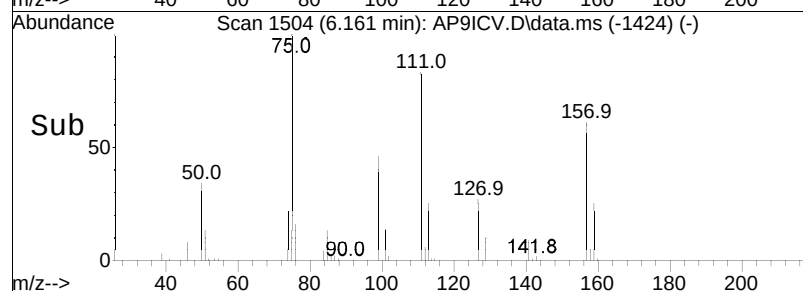
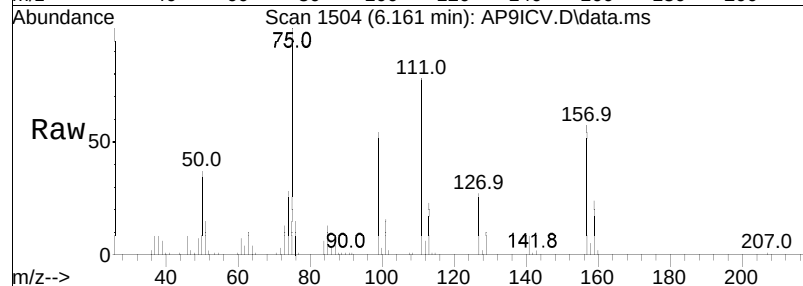
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	72780		
164	62.4		51.1	76.7
63	50.4		60.8	91.2#

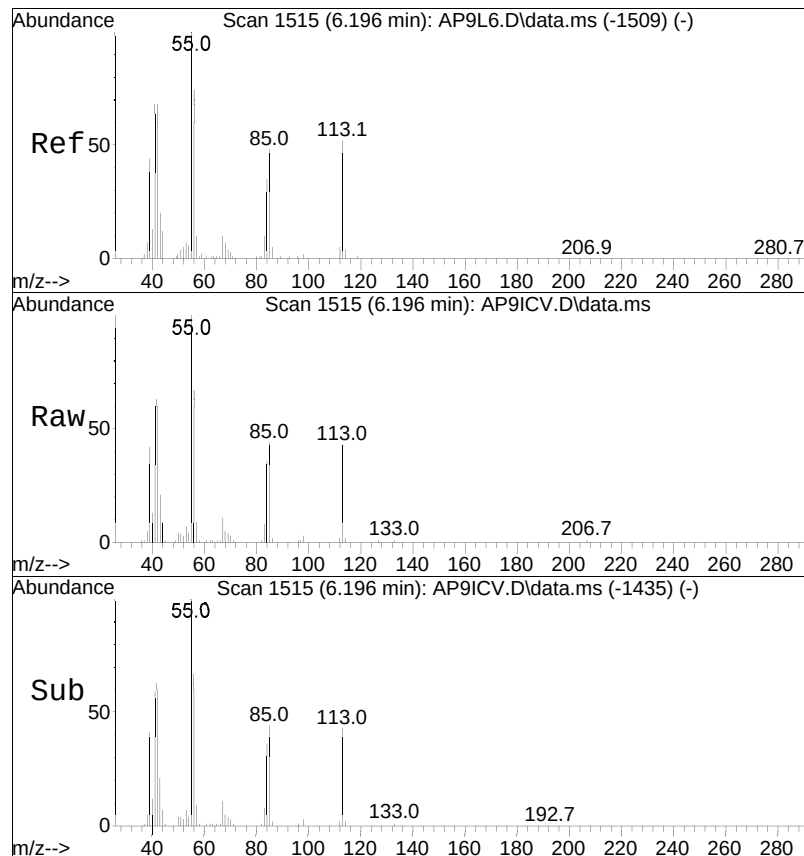




#61
 1-chloro-2-nitrobenzene
 Concen: 4.46 ug/ml
 RT: 6.161 min Scan# 1504
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 20 Aug 2025 7:55 pm

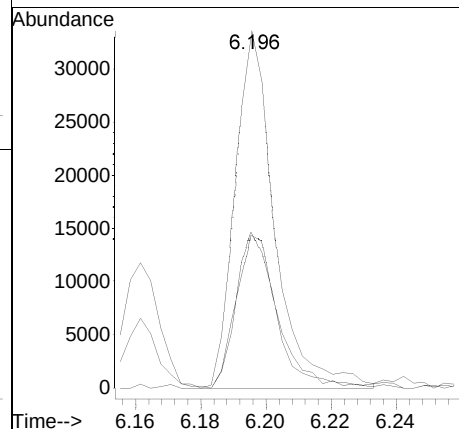
Tgt Ion	Ratio	Lower	Upper
111	100		
157	82.5	0.0	0.0#
75	127.1	28.2	42.2#

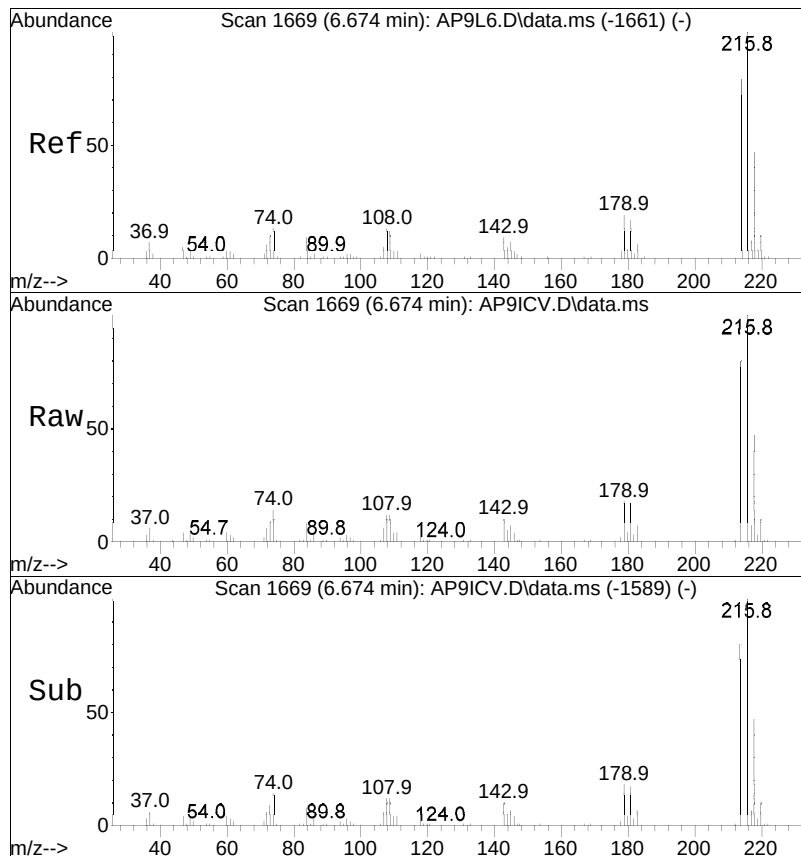




#62
 Caprolactam
 Concen: 4.17 ug/ml
 RT: 6.196 min Scan# 1515
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 20 Aug 2025 7:55 pm

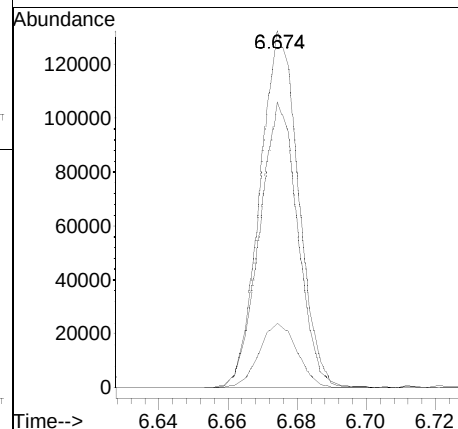
Tgt Ion	Ratio	Resp	Lower	Upper
55	100	28245		
85	42.6		19.8	29.6#
113	45.6		29.6	44.4#

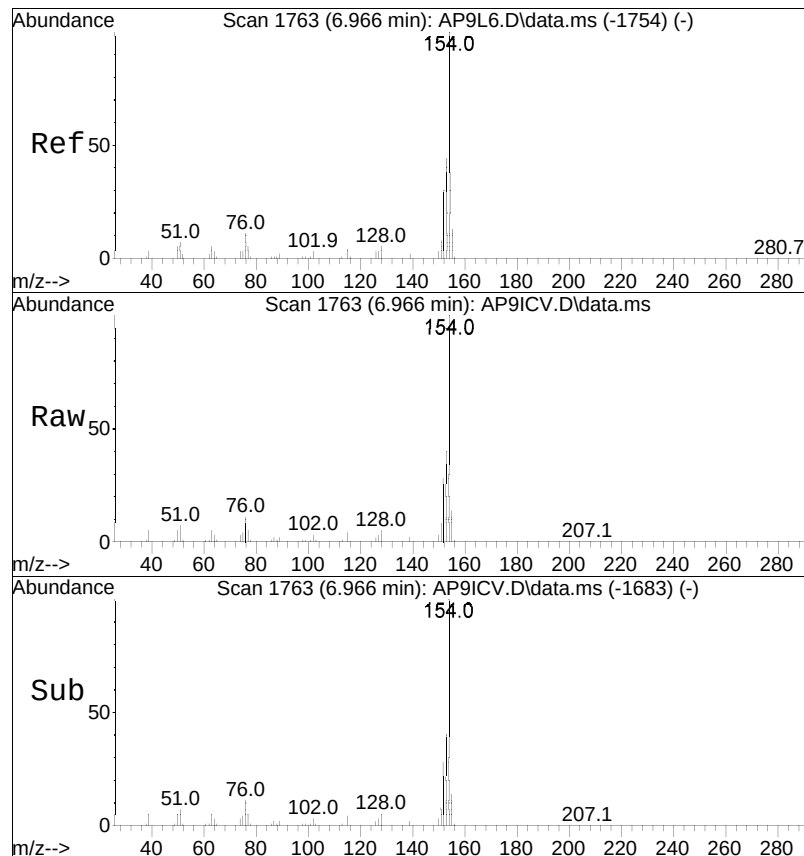




#63
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.62 ug/ml
 RT: 6.674 min Scan# 1669
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 20 Aug 2025 7:55 pm

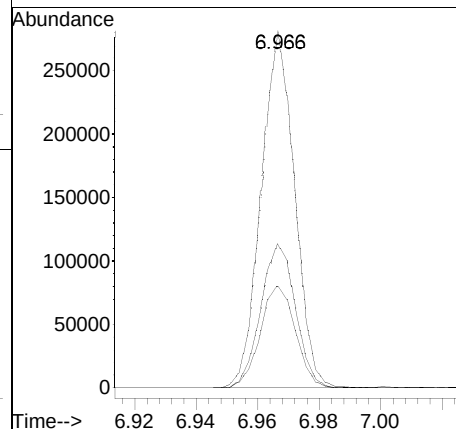
Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.7	95.5
179	18.1	19.0	28.6#

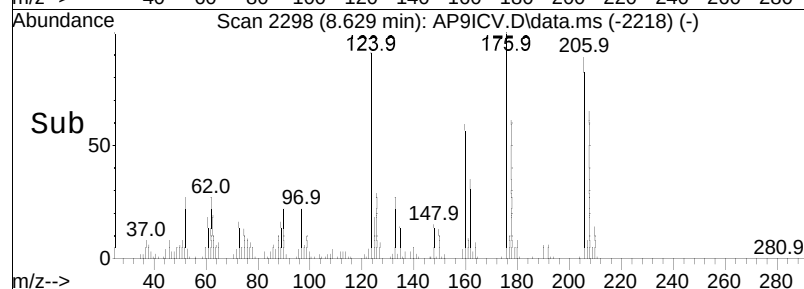
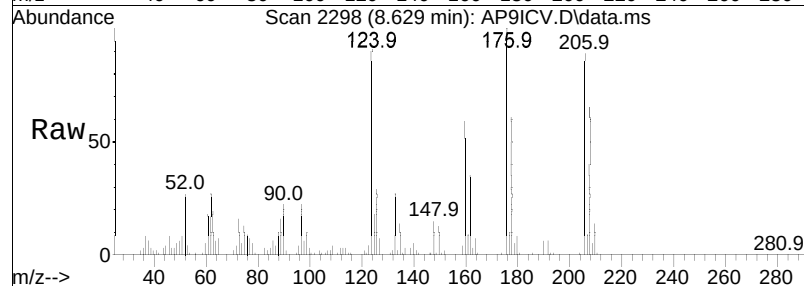
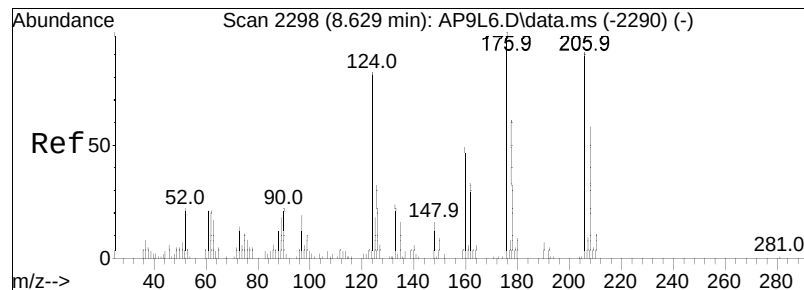




#64
 Biphenyl
 Concen: 4.30 ug/ml
 RT: 6.966 min Scan# 1763
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 20 Aug 2025 7:55 pm

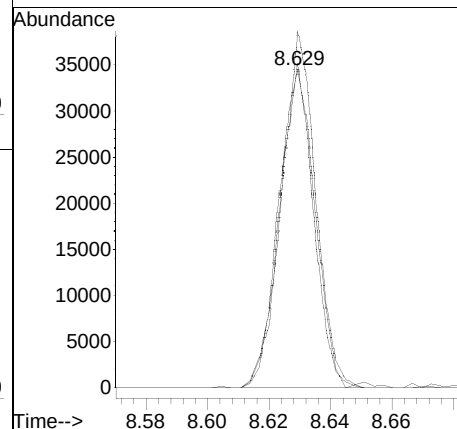
Tgt Ion:	154	Resp:	211120
Ion Ratio	Lower	Upper	
154	100		
153	42.1	32.3	48.5
152	30.3	22.5	33.7

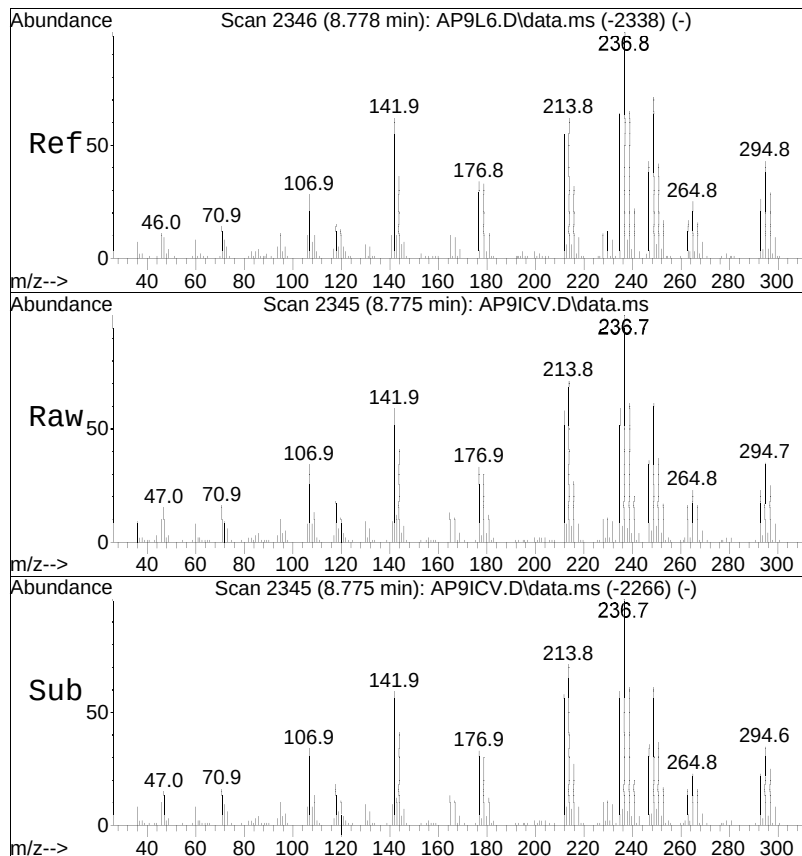




#86
 Dichloran
 Concen: 4.23 ug/ml
 RT: 8.629 min Scan# 2298
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 20 Aug 2025 7:55 pm

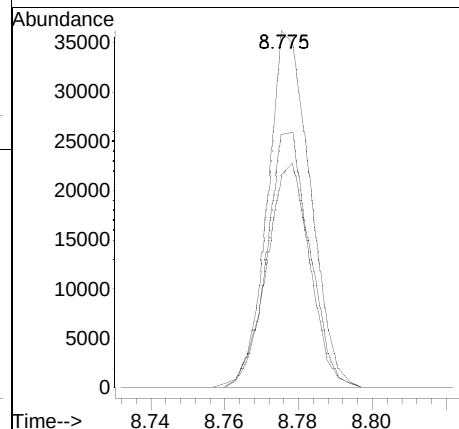
Tgt	Ion	Ratio	Lower	Upper
206	100			
176	110.1	104.6	157.0	
124	95.6	130.5	195.7#	

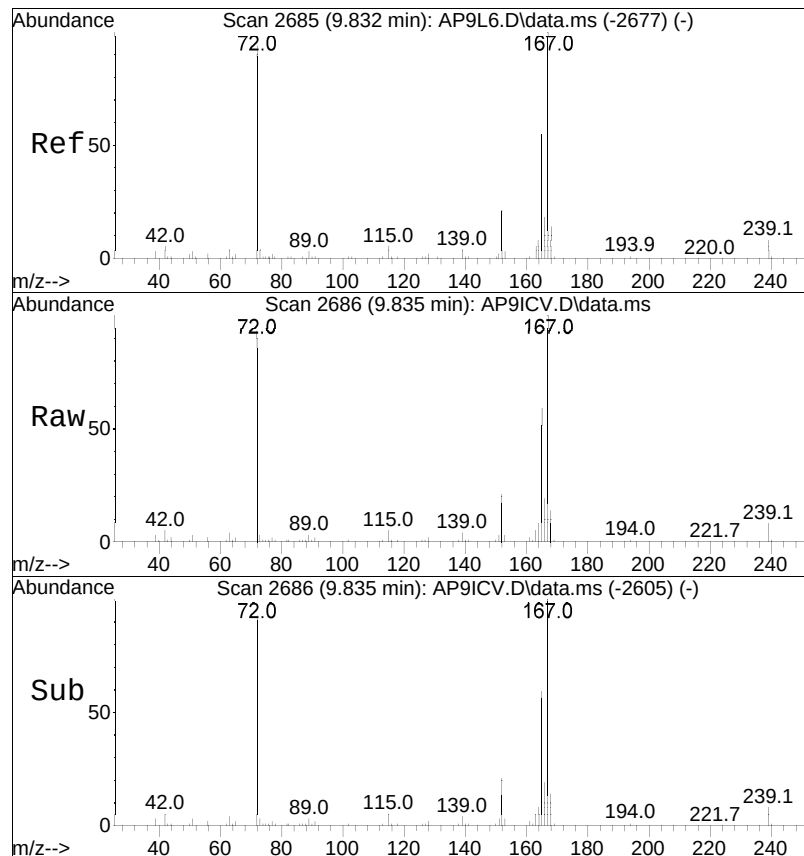




#87
 Pentachloronitrobenzene
 Concen: 4.38 ug/ml
 RT: 8.775 min Scan# 2345
 Delta R.T. -0.003 min
 Lab File: AP9ICV.D
 Acq: 20 Aug 2025 7:55 pm

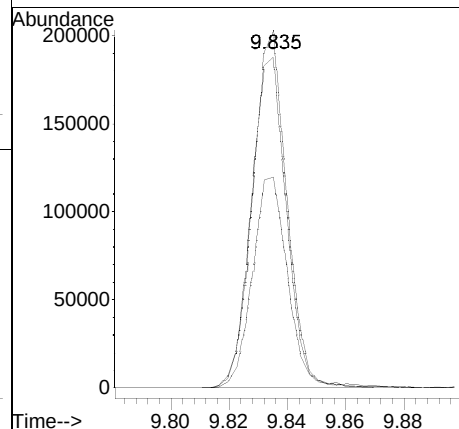
Tgt Ion:	237	Resp:	29032
Ion Ratio	Lower	Upper	
237	100		
142	64.0	77.0	115.4#
214	71.2	58.2	87.4





#101
 Diphenamid
 Concen: 4.49 ug/ml
 RT: 9.835 min Scan# 2686
 Delta R.T. 0.003 min
 Lab File: AP9ICV.D
 Acq: 20 Aug 2025 7:55 pm

Tgt Ion	Ratio	Lower	Upper
167	100		
72	94.8	109.7	164.5#
165	61.2	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\Dakota\250820RVTICV	Method	: FS250821RVT_Dakota.m
Data File	: AP9ICV.D	Operator	: Dakota:smz
Date Inj'd	: 8/20/2025 7:55 pm	Instrument	: Dakota
Sample	: CQICV2,32,,AP9ICV Lot# 11805	Quant Date	: 8/21/2025 5:51 am

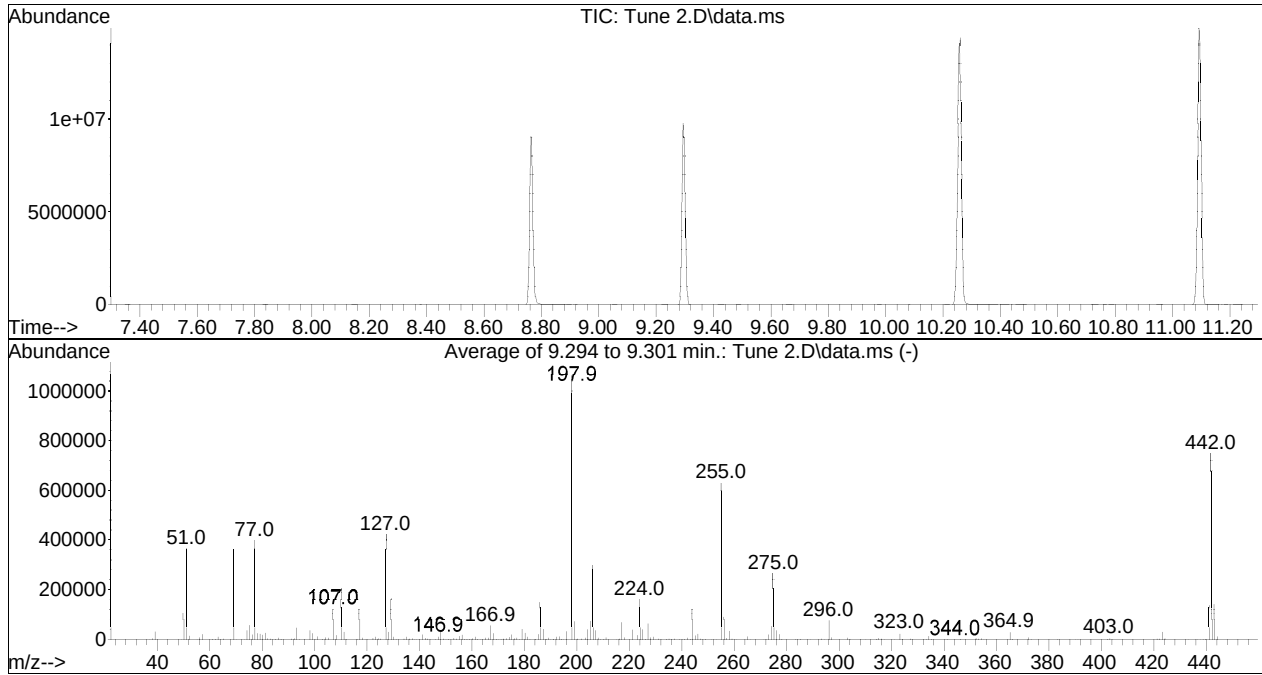
There are no manual integrations or false positives in this file.

DFTPP

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : Tune 2.D
 Acq On : 20 Aug 2025 8:17 pm
 Operator : Dakota:smz
 Sample : Tune 2 Lot # 11857
 Misc : WG2105679,,
 ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 21 09:25:31 2025



Spectrum Information: Average of 9.294 to 9.301 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.5	366208	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	364608	PASS
70	69	0.00	2	0.5	1913	PASS
127	198	10	80	39.7	421952	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1061525	PASS
199	198	5	9	6.8	71989	PASS
275	198	10	60	24.8	263125	PASS
365	198	1	100	2.8	30075	PASS
441	442	0.01	24	18.4	137107	PASS
442	198	50	100	70.4	747115	PASS
443	442	15	24	18.9	141144	PASS

Data Path : I:\8270\Dakota\250820RVTICAL\

Data File : Tune 2.D

Acq On : 20 Aug 2025 8:17 pm

Operator : Dakota:smz

Sample : Tune 2 Lot # 11857

Misc : WG2105679,,

ALS Vial : 100 Sample Multiplier: 1

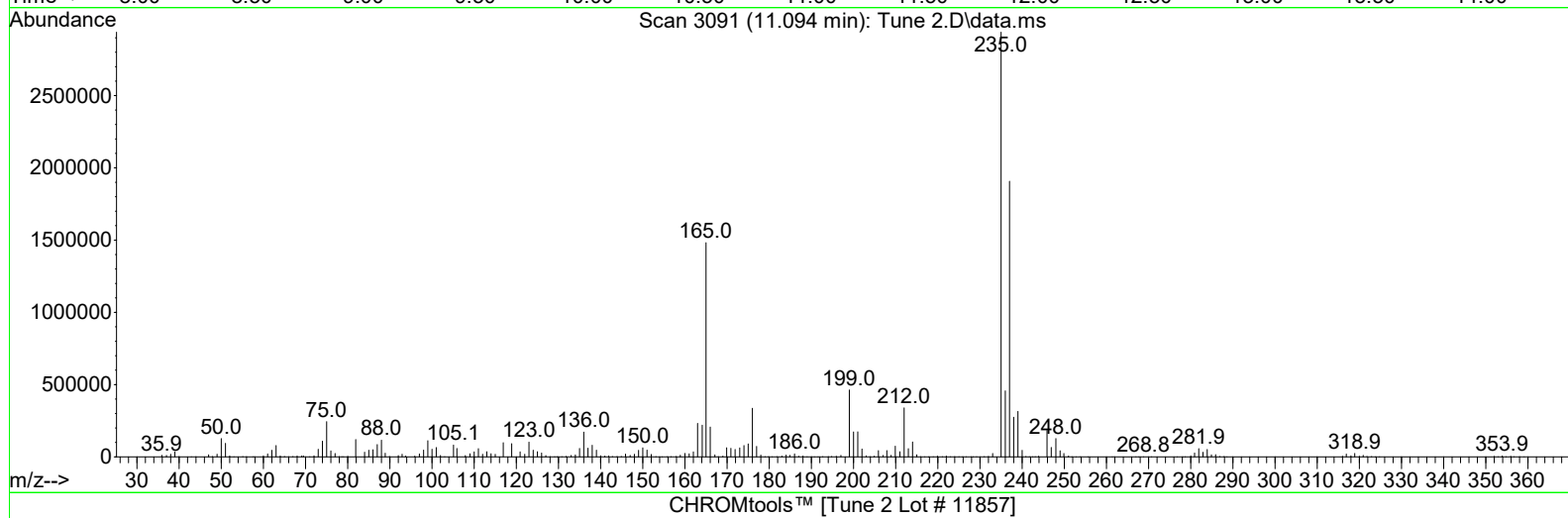
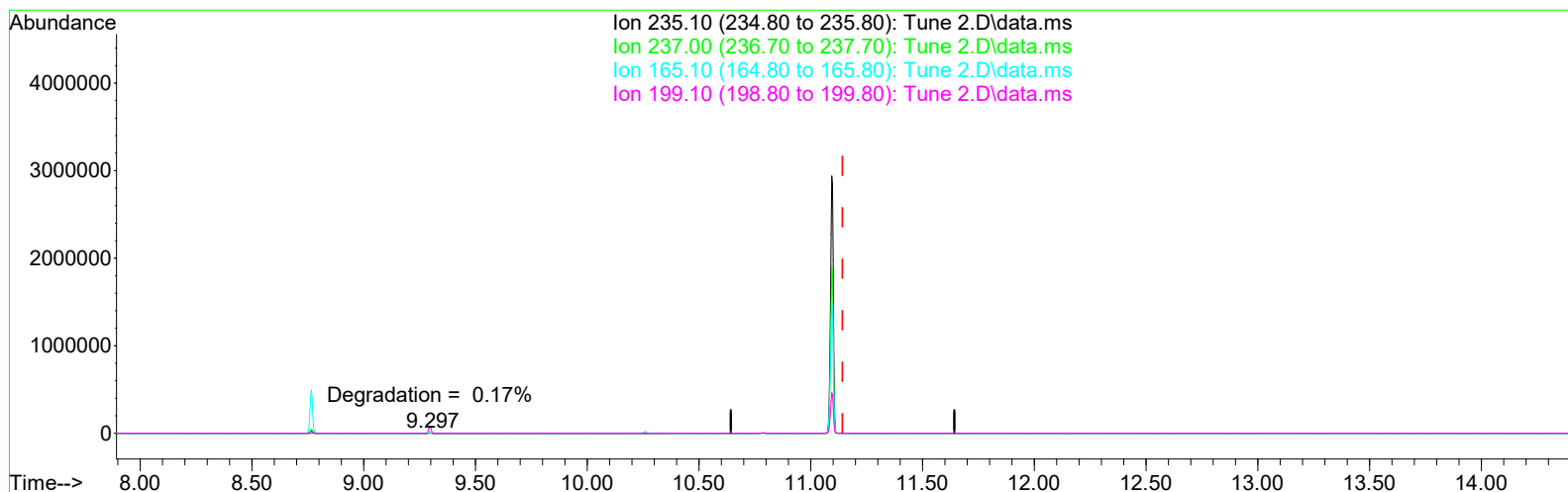
Quant Time: Aug 21 05:36:18 2025

Quant Method : I:\8270\Dakota\250820RVTICAL\DftppDakota.m

Quant Title : Semivolatiles by GC/MS by modified 8270

QLast Update : Fri Aug 15 10:21:48 2025

Response via : Initial Calibration



(6) DDT (T)

11.094min (-0.050) 419.73

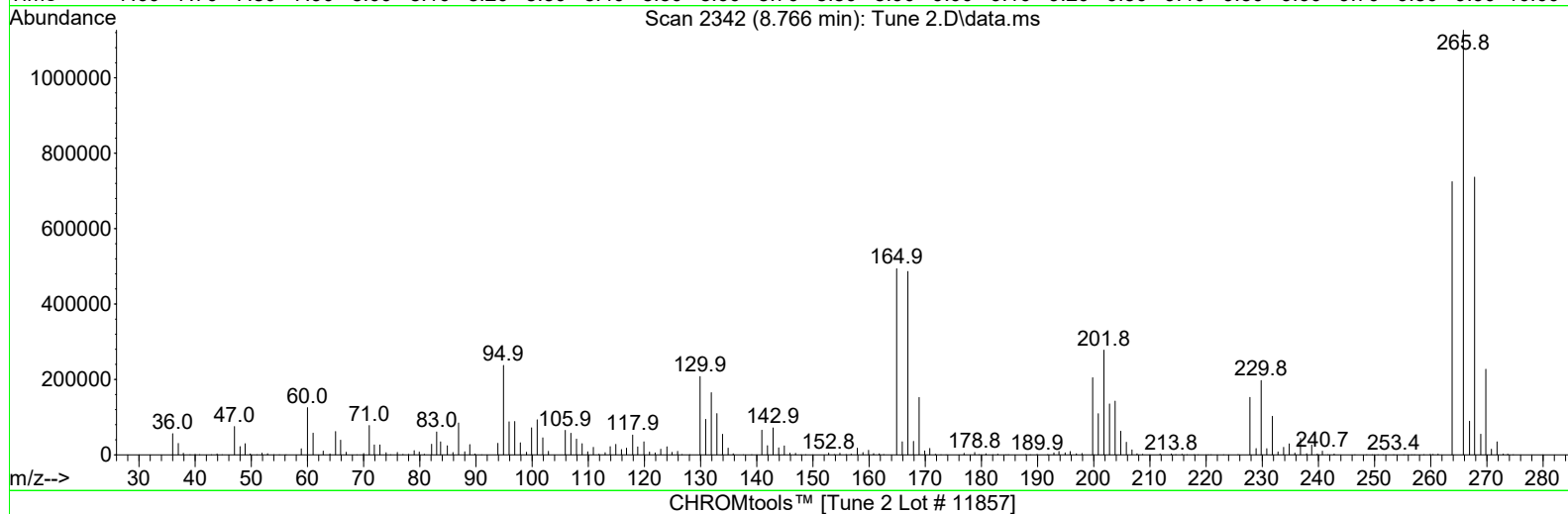
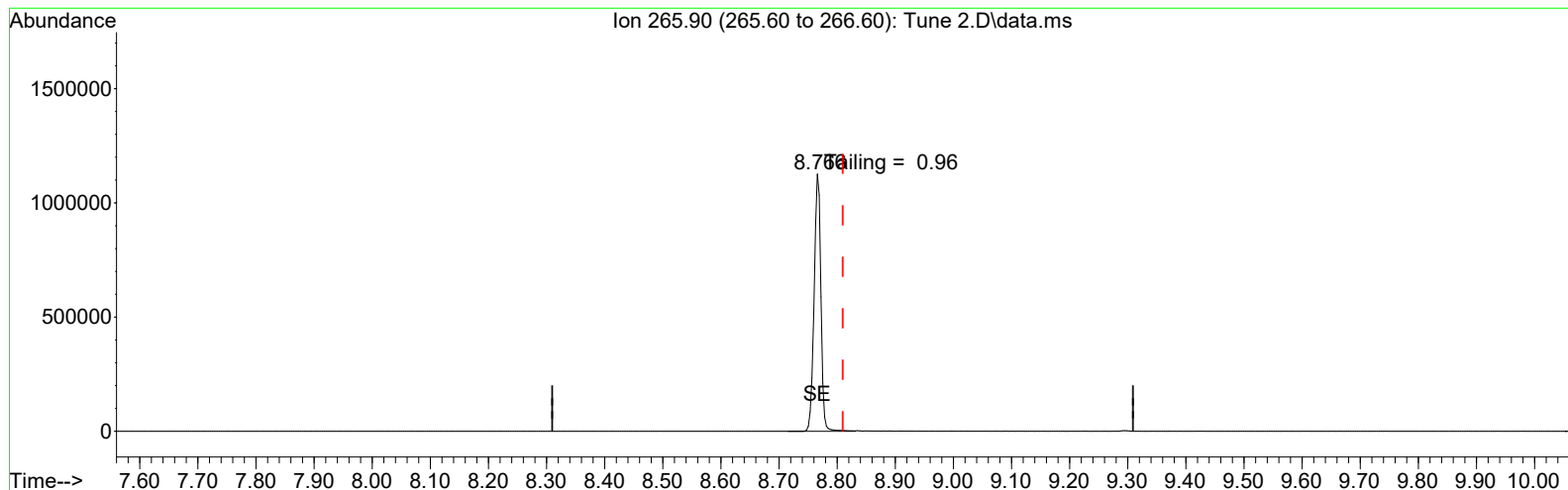
response 2558547

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.25
165.10	48.70	49.57
199.10	15.80	15.66

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : Tune 2.D
 Acq On : 20 Aug 2025 8:17 pm
 Operator : Dakota:smz
 Sample : Tune 2 Lot # 11857
 Misc : WG2105679,,
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 21 05:36:18 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\DftppDakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Aug 15 10:21:48 2025
 Response via : Initial Calibration



(1) Pentachlorophenol (T)

8.766min (-0.044) 433.82

response 911183

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL9.D
 Acq On : 20 Aug 2025 8:40 pm
 Operator : Dakota:smz
 Sample : IL2,32,,ADPL50 Lot# 11845
 Misc : WG2105679,,
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 21 06:26:40 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.579	152	60762	4.000	ug/ml	0.00
Standard Area 2 = 53798			Recovery	=	112.94%	
88) IS3_Acenaphthene-d10	7.507	164	144469	4.000	ug/ml	0.00
Standard Area 2 = 125869			Recovery	=	114.78%	
102) IS3_Phenanthrene-d10	8.928	188	356423	4.000	ug/ml	0.00
Standard Area 2 = 293121			Recovery	=	121.60%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.664	88	300537	49.396	ug/ml#	82
35) n-Decane	4.474	57	883757	55.396	ug/ml#	26
89) Atrazine	8.719	200	949130	55.999	ug/ml	92
103) n-Octadecane	8.921	57	1559200	62.567	ug/ml#	1
104) Parathion	9.720	109	519803	48.418	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.988	212	4505069	49.953	ug/ml	98

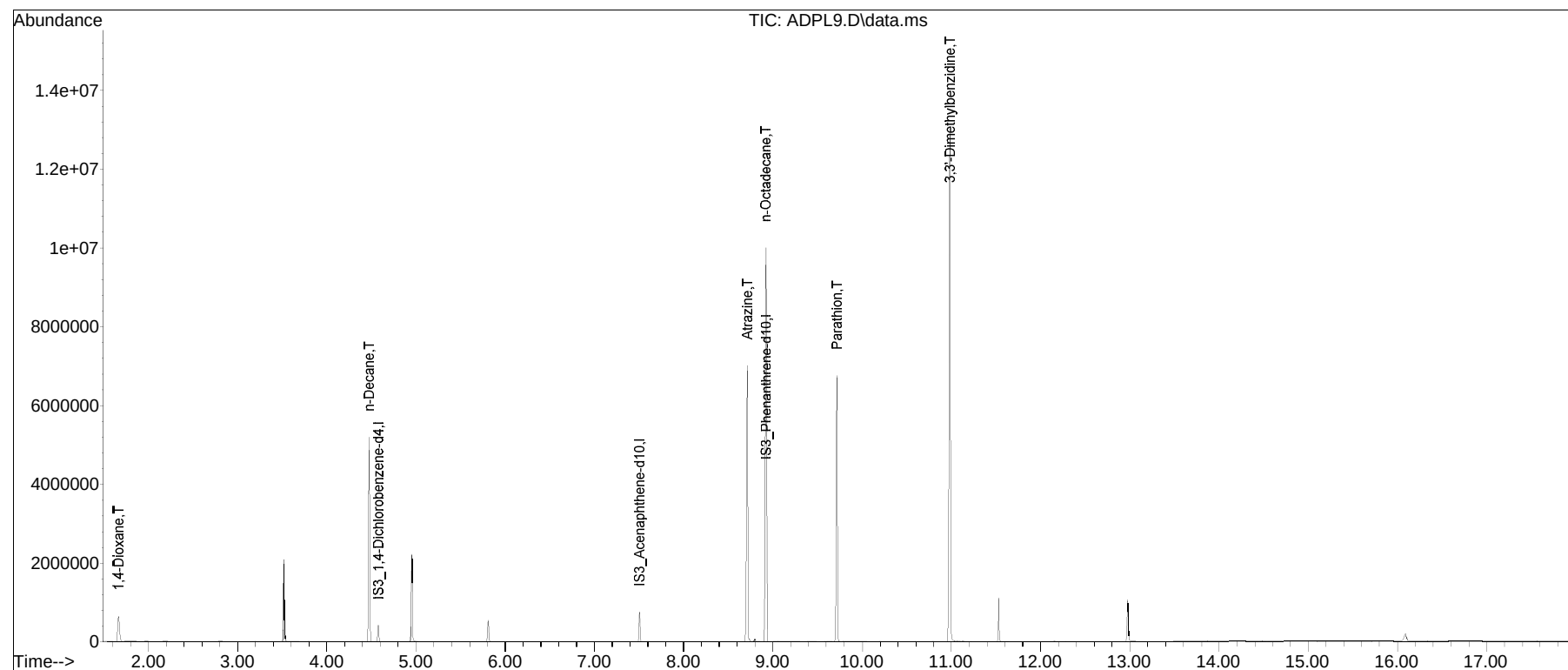
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL9.D
 Acq On : 20 Aug 2025 8:40 pm
 Operator : Dakota:smz
 Sample : IL2,32,,ADPL50 Lot# 11845
 Misc : WG2105679,,
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 21 06:26:40 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ADPL9.D\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQ\Method : FS250821RVT_Dakota.m
Data File : ADPL9.D Operator : Dakota:smz
Date Inj'd : 8/20/2025 8:40 pm Instrument : Dakota
Sample : IL2,32,,ADPL50 Lot# 11845 Quant Date : 8/21/2025 5:51 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL8.D
 Acq On : 20 Aug 2025 9:02 pm
 Operator : Dakota:smz
 Sample : IL3,32,,ADPL25 Lot# 11846
 Misc : WG2105679,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 21 06:25:00 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.579	152	47005	4.000	ug/ml	0.00
Standard Area 2 = 53798			Recovery =	87.37%		
88) IS3_Acenaphthene-d10	7.504	164	109637	4.000	ug/ml	0.00
Standard Area 2 = 125869			Recovery =	87.10%		
102) IS3_Phenanthrene-d10	8.928	188	257521	4.000	ug/ml	0.00
Standard Area 2 = 293121			Recovery =	87.85%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.658	88	119055	25.295	ug/ml#	82
35) n-Decane	4.474	57	342136	27.722	ug/ml#	27
89) Atrazine	8.713	200	322428	25.067	ug/ml	92
103) n-Octadecane	8.918	57	500617	27.804	ug/ml#	1
104) Parathion	9.717	109	159921	24.781	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.982	212	1588417	24.641	ug/ml	98

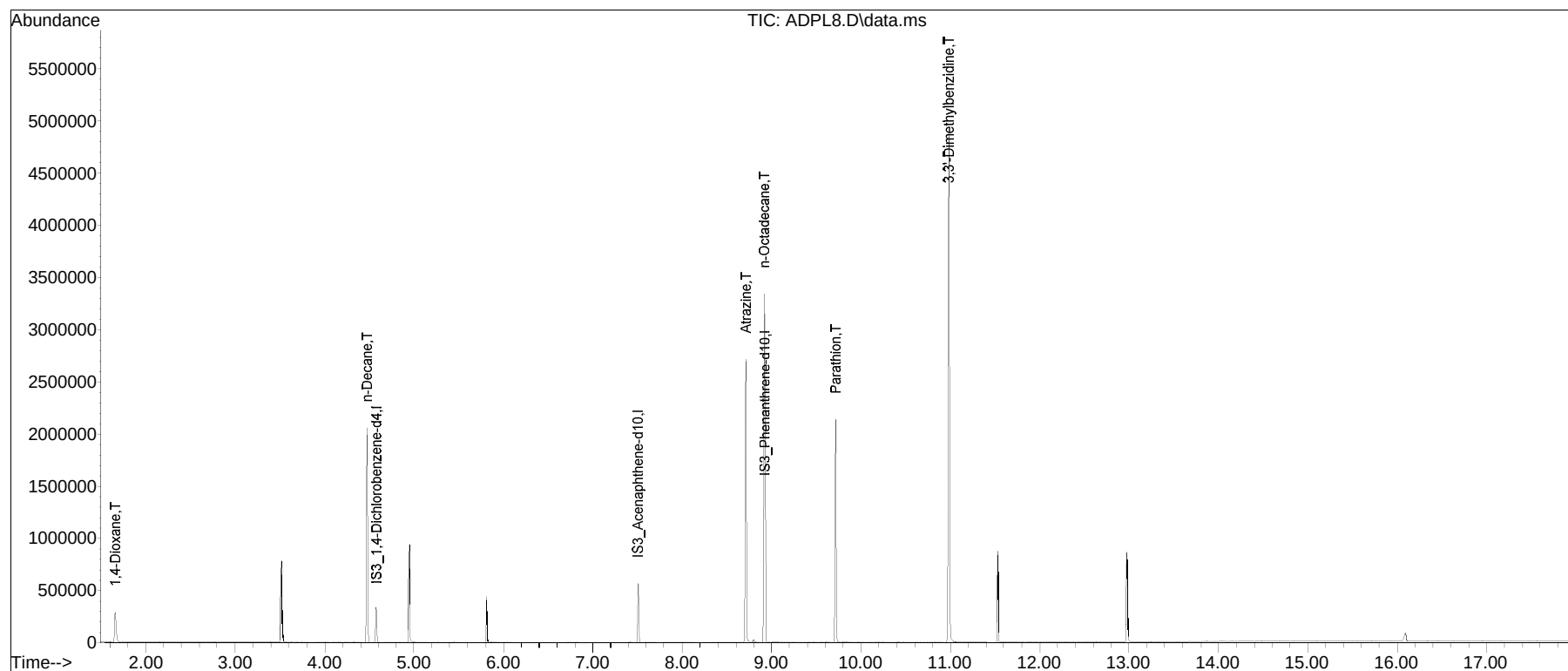
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL8.D
 Acq On : 20 Aug 2025 9:02 pm
 Operator : Dakota:smz
 Sample : IL3,32,,ADPL25 Lot# 11846
 Misc : WG2105679,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 21 06:25:00 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ADPitA\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICOM\Method : FS250821RVT_Dakota.m
Data File : ADPL8.D Operator : Dakota:smz
Date Inj'd : 8/20/2025 9:02 pm Instrument : Dakota
Sample : IL3,32,,ADPL25 Lot# 11846 Quant Date : 8/21/2025 5:51 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL7.D
 Acq On : 20 Aug 2025 9:25 pm
 Operator : Dakota:smz
 Sample : IL4,32,,ADPL10 Lot# 11847
 Misc : WG2105679,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 21 06:24:36 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.576	152	49968	4.000	ug/ml	0.00
Standard Area 2 = 53798			Recovery =	92.88%		
88) IS3_Acenaphthene-d10	7.507	164	120551	4.000	ug/ml	0.00
Standard Area 2 = 125869			Recovery =	95.77%		
102) IS3_Phenanthrene-d10	8.928	188	284297	4.000	ug/ml	0.00
Standard Area 2 = 293121			Recovery =	96.99%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.658	88	50932	10.180	ug/ml#	82
35) n-Decane	4.471	57	150048	11.437	ug/ml#	26
89) Atrazine	8.710	200	138794	9.814	ug/ml	91
103) n-Octadecane	8.918	57	248262	12.490	ug/ml#	1
104) Parathion	9.717	109	63672	10.233	ug/ml	92
105) 3,3'-Dimethylbenzidine	10.982	212	598045	8.744	ug/ml	98

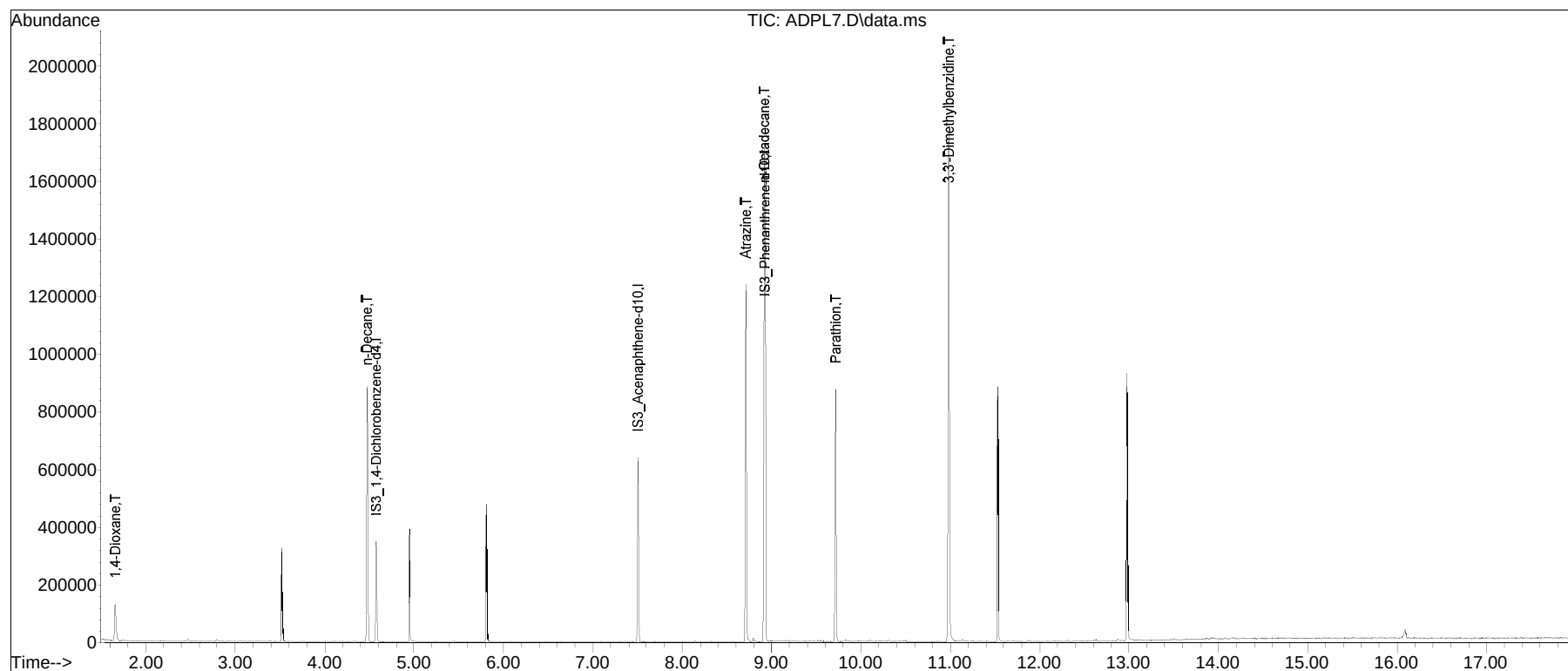
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL7.D
 Acq On : 20 Aug 2025 9:25 pm
 Operator : Dakota:smz
 Sample : IL4,32,,ADPL10 Lot# 11847
 Misc : WG2105679,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 21 06:24:36 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ADPICAL\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICOM
Data File : ADPL7.D
Date Inj'd : 8/20/2025 9:25 pm
Sample : IL4,32,,ADPL10 Lot# 11847
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:51 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL6.D
 Acq On : 20 Aug 2025 9:49 pm
 Operator : Dakota:smz
 Sample : IL5,32,,ADPL5 Lot# 11848
 Misc : WG2105679,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 21 06:24:10 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.580	152	53798	4.000	ug/ml	0.00
Standard Area 2 = 53798			Recovery	=	100.00%	
88) IS3_Acenaphthene-d10	7.507	164	125869	4.000	ug/ml	0.00
Standard Area 2 = 125869			Recovery	=	100.00%	
102) IS3_Phenanthrene-d10	8.928	188	293121	4.000	ug/ml	0.00
Standard Area 2 = 293121			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.667	88	27002	5.013	ug/ml#	78
35) n-Decane	4.474	57	80555	5.703	ug/ml#	26
89) Atrazine	8.707	200	72807	4.930	ug/ml	91
103) n-Octadecane	8.918	57	127216	6.207	ug/ml#	1
104) Parathion	9.714	109	31215	5.150	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.979	212	287021	4.346	ug/ml	98

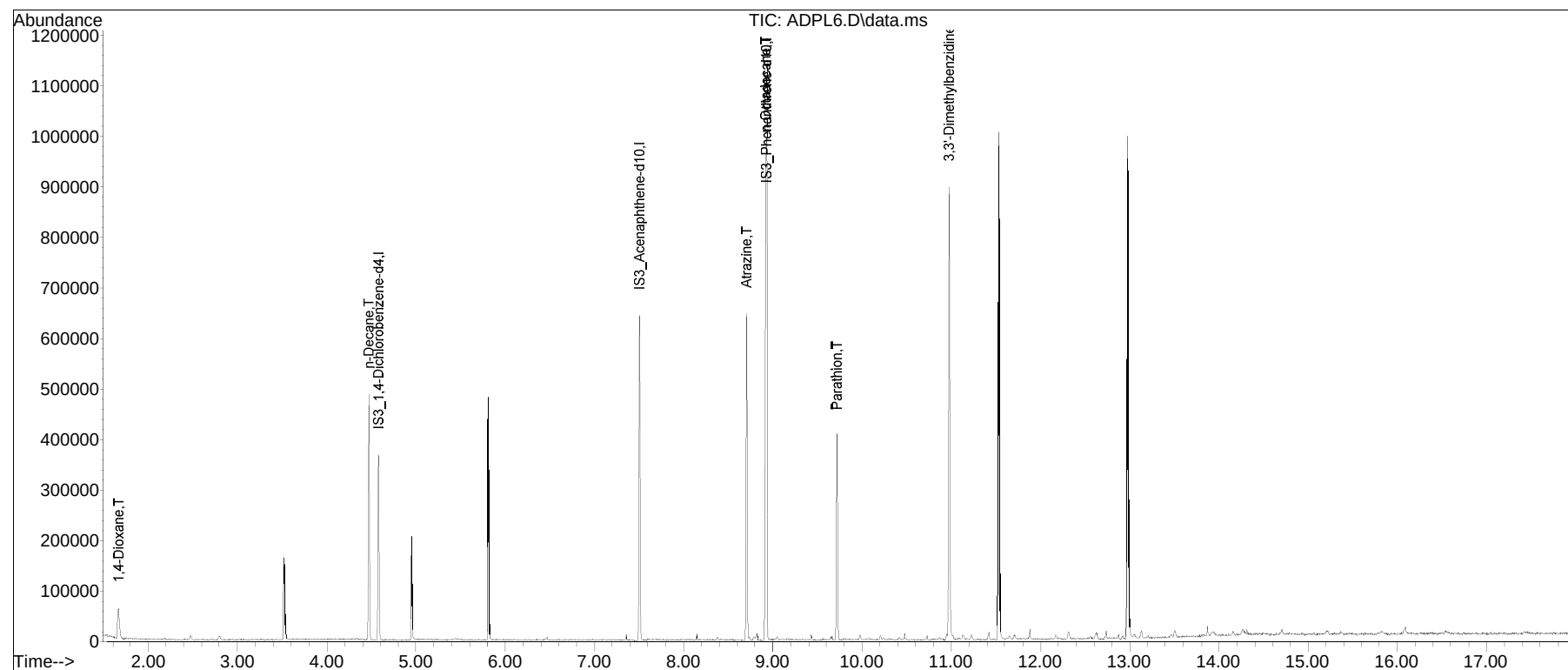
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL6.D
 Acq On : 20 Aug 2025 9:49 pm
 Operator : Dakota:smz
 Sample : IL5,32,,ADPL5 Lot# 11848
 Misc : WG2105679,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 21 06:24:10 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ADPL6.D\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICOM
Data File : ADPL6.D
Date Inj'd : 8/20/2025 9:49 pm
Sample : IL5,32,,ADPL5 Lot# 11848
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:51 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL5.D
 Acq On : 20 Aug 2025 10:11 pm
 Operator : Dakota:smz
 Sample : IL6,32,,ADPL2.5 Lot# 11849
 Misc : WG2105679,,
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 21 06:23:44 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.579	152	50805	4.000	ug/ml	0.00
Standard Area 2 = 53798			Recovery =	94.44%		
88) IS3_Acenaphthene-d10	7.507	164	119555	4.000	ug/ml	0.00
Standard Area 2 = 125869			Recovery =	94.98%		
102) IS3_Phenanthrene-d10	8.931	188	277292	4.000	ug/ml	0.00
Standard Area 2 = 293121			Recovery =	94.60%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.664	88	13362	2.627	ug/ml#	84
35) n-Decane	4.474	57	36337	2.724	ug/ml#	26
89) Atrazine	8.707	200	31115	2.218	ug/ml	94
103) n-Octadecane	8.918	57	56017	2.889	ug/ml#	1
104) Parathion	9.714	109	11949	2.187	ug/ml#	82
105) 3,3'-Dimethylbenzidine	10.979	212	111817	2.093	ug/ml	97

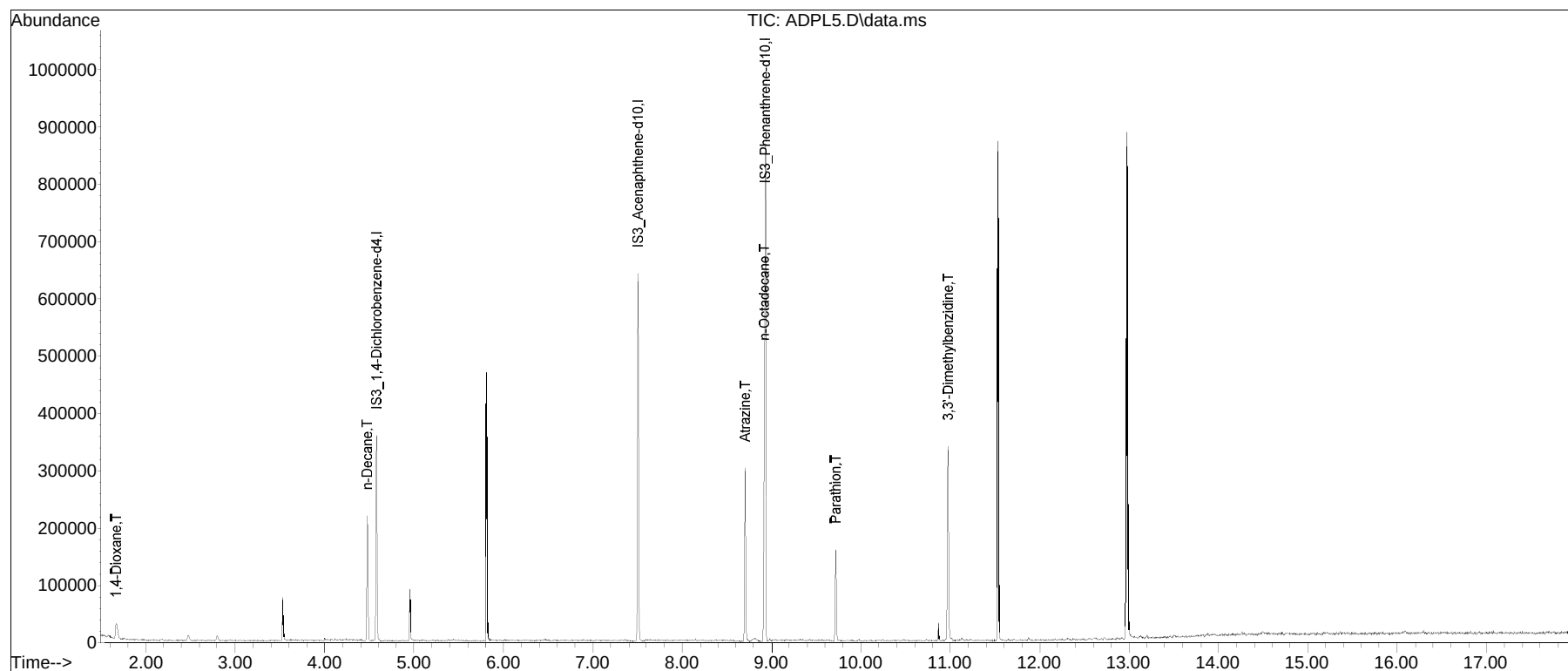
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL5.D
 Acq On : 20 Aug 2025 10:11 pm
 Operator : Dakota:smz
 Sample : IL6,32,,ADPL2.5 Lot# 11849
 Misc : WG2105679,,
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 21 06:23:44 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ADP\I\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQ\Metho : FS250821RVT_Dakota.m
Data File : ADPL5.D Operator : Dakota:smz
Date Inj'd : 8/20/2025 10:11 pm Instrument : Dakota
Sample : IL6,32,,ADPL2.5 Lot# 11849 Quant Date : 8/21/2025 5:50 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL4.D
 Acq On : 20 Aug 2025 10:34 pm
 Operator : Dakota:smz
 Sample : IL7,32,,ADPL1 Lot# 11850
 Misc : WG2105679,,
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 21 06:23:22 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.579	152	52936	4.000	ug/ml	0.00
Standard Area 2 = 53798			Recovery =	98.40%		
88) IS3_Acenaphthene-d10	7.507	164	119354	4.000	ug/ml	0.00
Standard Area 2 = 125869			Recovery =	94.82%		
102) IS3_Phenanthrene-d10	8.931	188	278505	4.000	ug/ml	0.00
Standard Area 2 = 293121			Recovery =	95.01%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.670	88	5782	1.091	ug/ml#	77
35) n-Decane	4.474	57	16674	1.200	ug/ml#	31
89) Atrazine	8.707	200	13098	0.935	ug/ml	89
103) n-Octadecane	8.918	57	23626	1.213	ug/ml#	1
104) Parathion	9.714	109	5447	1.040	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.979	212	38927	1.063	ug/ml	97

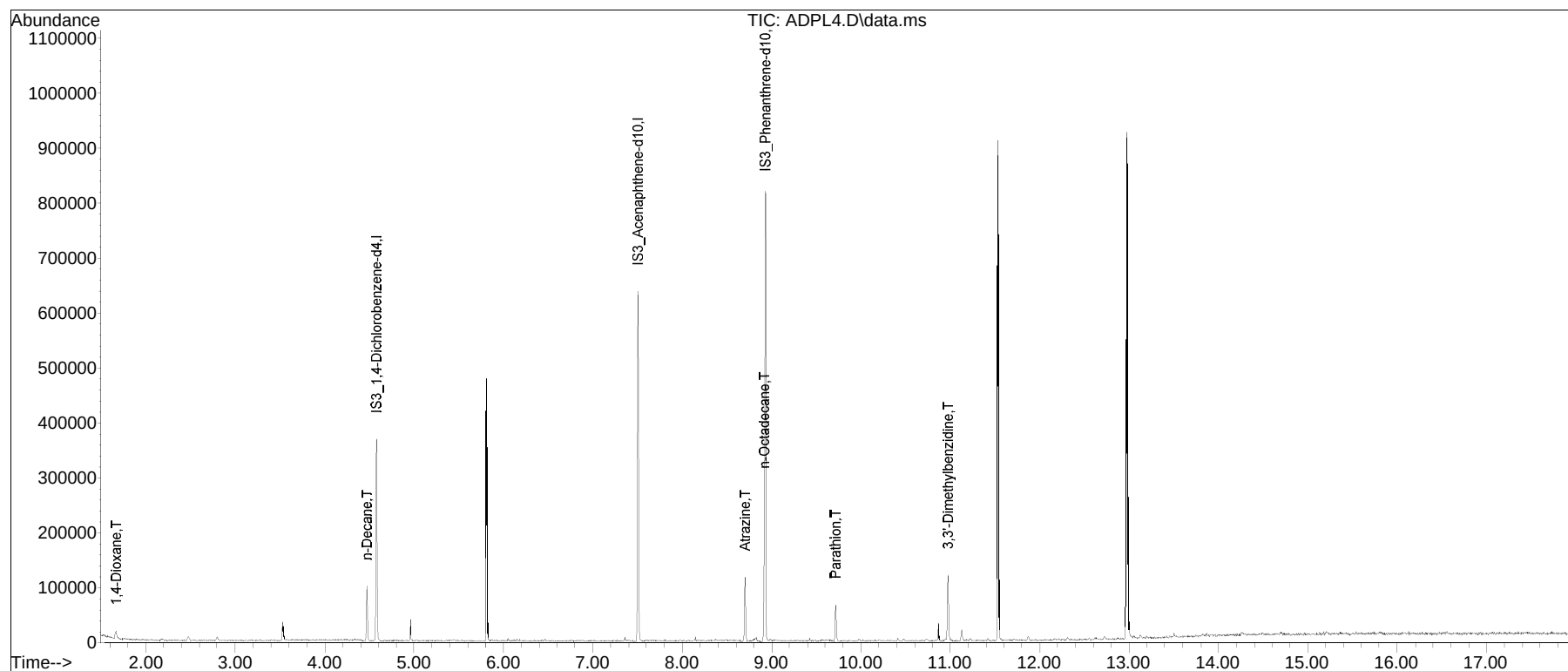
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL4.D
 Acq On : 20 Aug 2025 10:34 pm
 Operator : Dakota:smz
 Sample : IL7,32,,ADPL1 Lot# 11850
 Misc : WG2105679,,
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 21 06:23:22 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ~~ADPL4.D~~ ~~8270~~ \Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICOM
Data File : ADPL4.D
Date Inj'd : 8/20/2025 10:34 pm
Sample : IL7,32,,ADPL1 Lot# 11850
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL3.D
 Acq On : 20 Aug 2025 10:57 pm
 Operator : Dakota:smz
 Sample : IL8,32,,ADPL0.5 Lot# 11851
 Misc : WG2105679,,
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 21 06:23:00 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.580	152	53755	4.000	ug/ml	0.00
Standard Area 2 = 53798			Recovery =	99.92%		
88) IS3_Acenaphthene-d10	7.507	164	126355	4.000	ug/ml	0.00
Standard Area 2 = 125869			Recovery =	100.39%		
102) IS3_Phenanthrene-d10	8.928	188	295916	4.000	ug/ml	0.00
Standard Area 2 = 293121			Recovery =	100.95%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.673	88	3767	0.700	ug/ml#	83
35) n-Decane	4.474	57	9368	0.664	ug/ml#	25
89) Atrazine	8.704	200	8479	0.572	ug/ml	94
103) n-Octadecane	8.918	57	13986	0.676	ug/ml#	1
104) Parathion	9.714	109	3592	0.673	ug/ml#	95
105) 3,3'-Dimethylbenzidine	10.979	212	18124	0.756	ug/ml	97

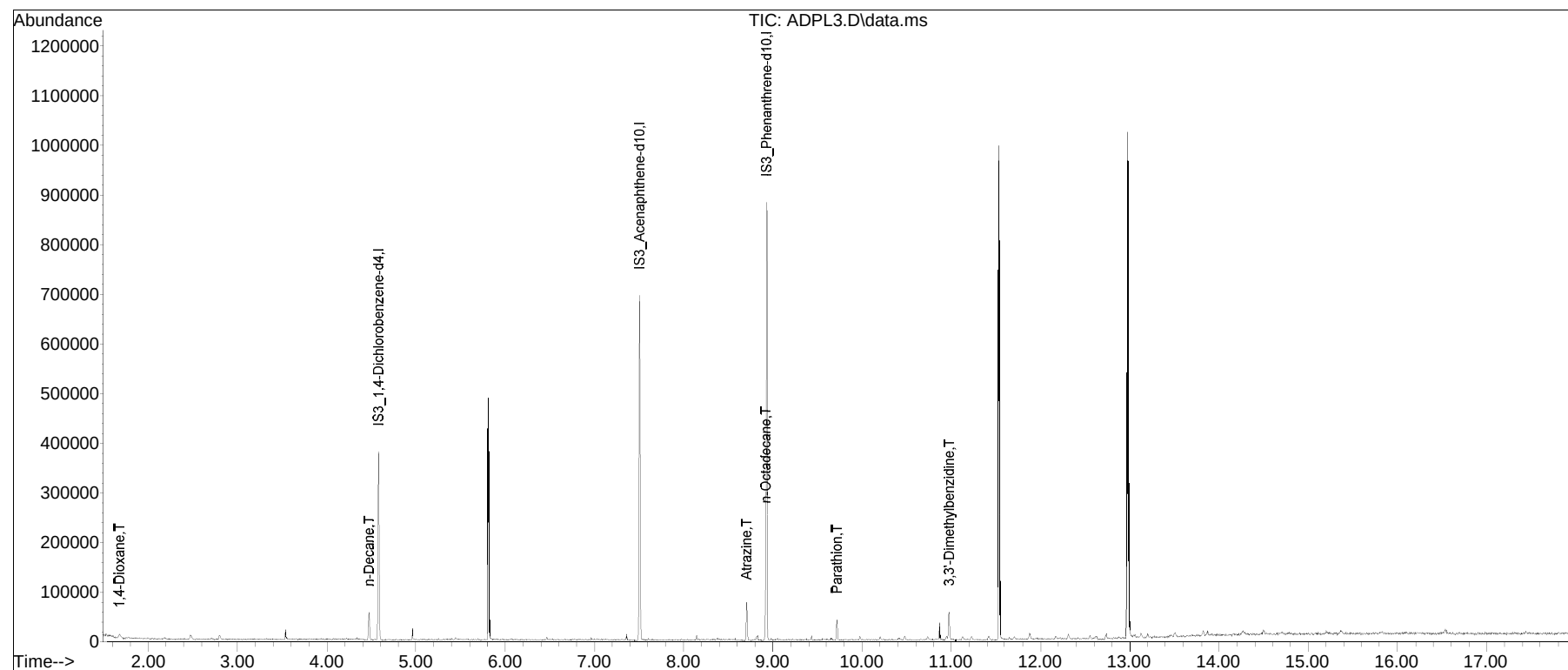
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
Data File : ADPL3.D
Acq On : 20 Aug 2025 10:57 pm
Operator : Dakota:smz
Sample : IL8,32,,ADPL0.5 Lot# 11851
Misc : WG2105679,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 21 06:23:00 2025
Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 21 05:46:21 2025
Response via : Initial Calibration

Sub List : ~~ADPITC\8270\250820RVTICAL\AP9L6.D~~•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICOM\Method : FS250821RVT_Dakota.m
Data File : ADPL3.D Operator : Dakota:smz
Date Inj'd : 8/20/2025 10:57 pm Instrument : Dakota
Sample : IL8,32,,ADPL0.5 Lot# 11851 Quant Date : 8/21/2025 5:50 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL2.D
 Acq On : 20 Aug 2025 11:20 pm
 Operator : Dakota:smz
 Sample : IL9,32,,ADPL0.2 Lot# 11852
 Misc : WG2105679,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 21 06:22:34 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.579	152	52570	4.000	ug/ml	0.00
Standard Area 2 = 53798			Recovery =	97.72%		
88) IS3_Acenaphthene-d10	7.507	164	119687	4.000	ug/ml	0.00
Standard Area 2 = 125869			Recovery =	95.09%		
102) IS3_Phenanthrene-d10	8.928	188	285382	4.000	ug/ml	0.00
Standard Area 2 = 293121			Recovery =	97.36%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.667	88	749	0.142	ug/ml#	1
35) n-Decane	4.474	57	3381	0.245	ug/ml#	20
89) Atrazine	8.707	200	2995	0.213	ug/ml#	86
103) n-Octadecane	8.918	57	5726	0.287	ug/ml#	1
104) Parathion	9.714	109	1427	0.317	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.976	212	2653	0.553	ug/ml#	62

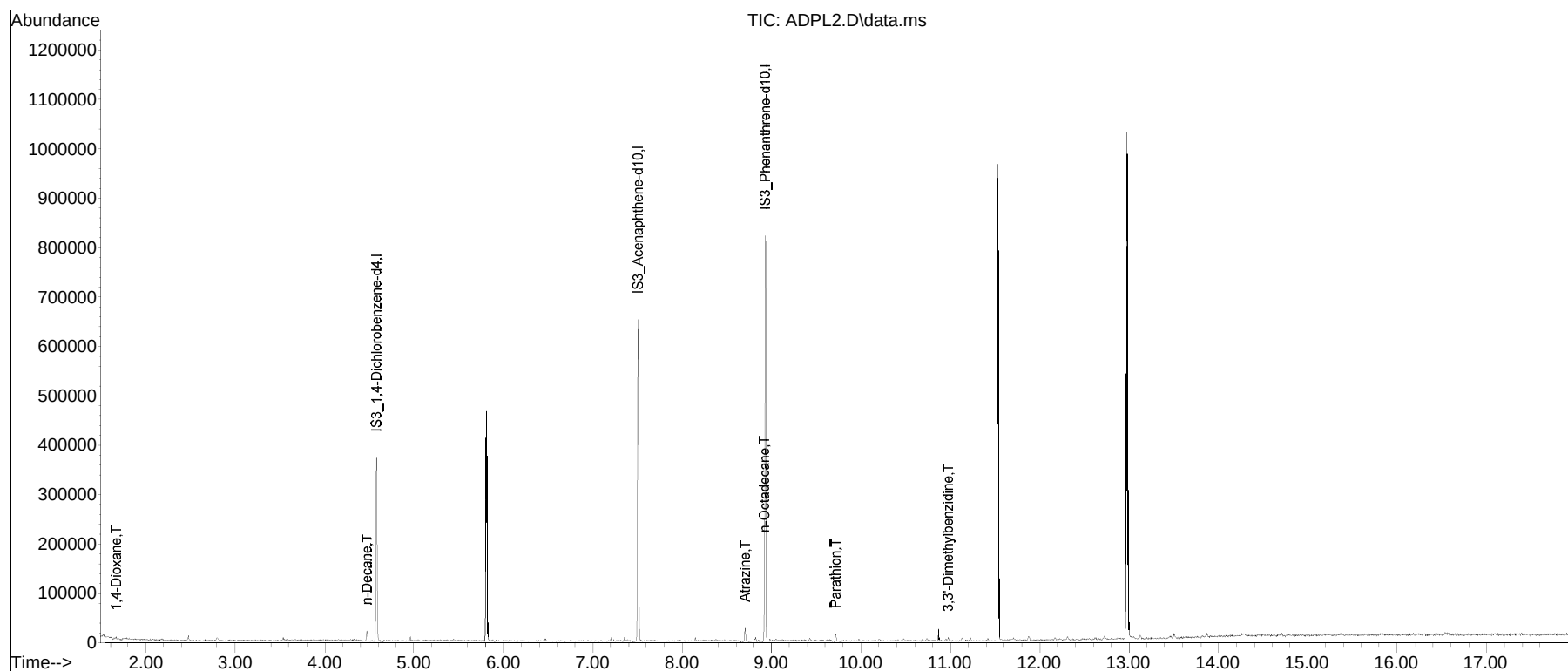
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL2.D
 Acq On : 20 Aug 2025 11:20 pm
 Operator : Dakota:smz
 Sample : IL9,32,,ADPL0.2 Lot# 11852
 Misc : WG2105679,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 21 06:22:34 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ADPL2.D\8270\Dakota\250820RVTICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQ\Method : FS250821RVT_Dakota.m
Data File : ADPL2.D Operator : Dakota:smz
Date Inj'd : 8/20/2025 11:20 pm Instrument : Dakota
Sample : IL9,32,,ADPL0.2 Lot# 11852 Quant Date : 8/21/2025 5:50 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL1.D
 Acq On : 20 Aug 2025 11:44 pm
 Operator : Dakota:smz
 Sample : IL10,32,,ADPL0.1 Lot# 11867
 Misc : WG2105679,,
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 21 09:53:59 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.579	152	47866	4.000	ug/ml	0.00
Standard Area 2 = 53798			Recovery =	88.97%		
88) IS3_Acenaphthene-d10	7.507	164	109592	4.000	ug/ml	0.00
Standard Area 2 = 125869			Recovery =	87.07%		
102) IS3_Phenanthrene-d10	8.931	188	247606	4.000	ug/ml	0.00
Standard Area 2 = 293121			Recovery =	84.47%		

System Monitoring Compounds

Target Compounds					Qvalue
33) 1,4-Dioxane	0.000		0	N.D. d	
35) n-Decane	4.477	57	1938	0.154 ug/ml#	14
89) Atrazine	8.710	200	1543	0.120 ug/ml#	64
103) n-Octadecane	8.915	57	3162	0.183 ug/ml#	1
104) Parathion	9.714	109	392M2	0.146 ug/ml	
105) 3,3'-Dimethylbenzidine	0.000		0	N.D. d	

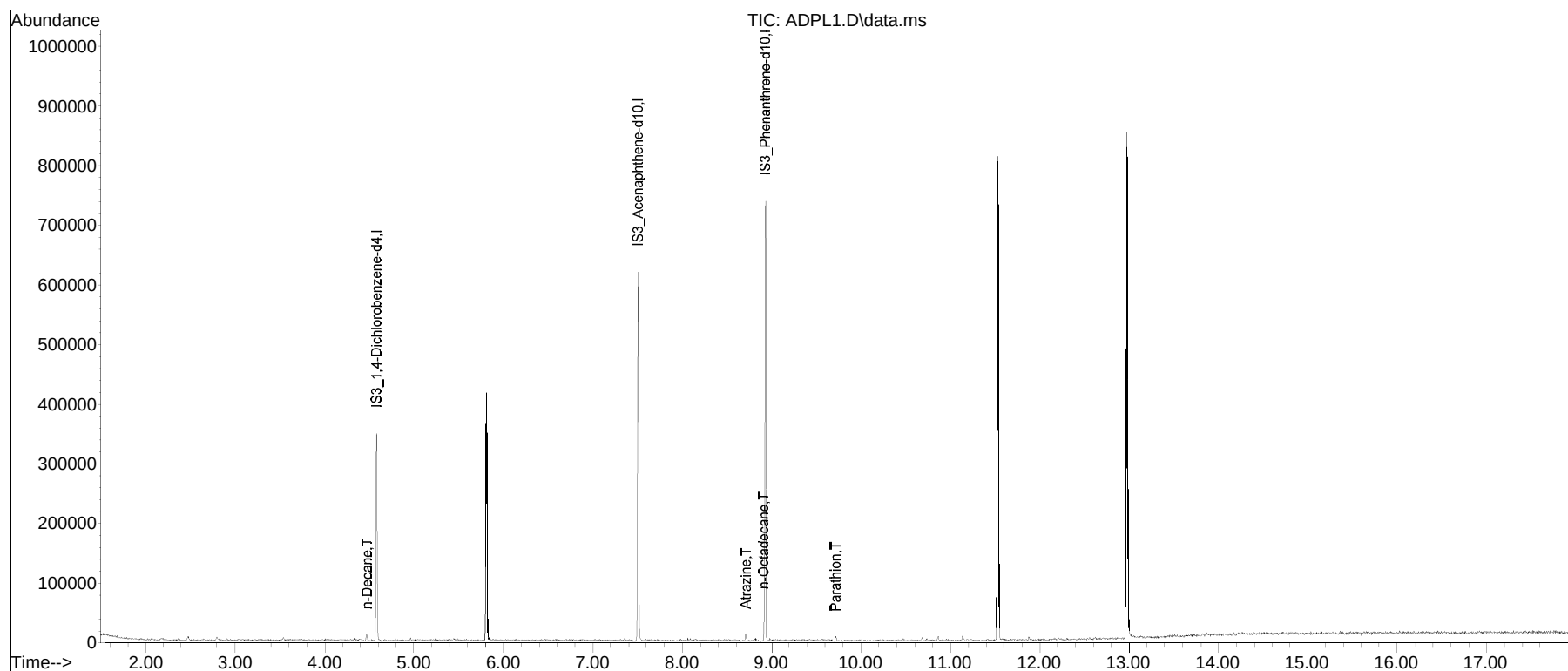
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPL1.D
 Acq On : 20 Aug 2025 11:44 pm
 Operator : Dakota:smz
 Sample : IL10,32,,ADPL0.1 Lot# 11867
 Misc : WG2105679,,
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 21 09:53:59 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Sub List : ~~ADPL1.D~~ \8270\Dakota\250820RVTICAL\AP9L6.D•

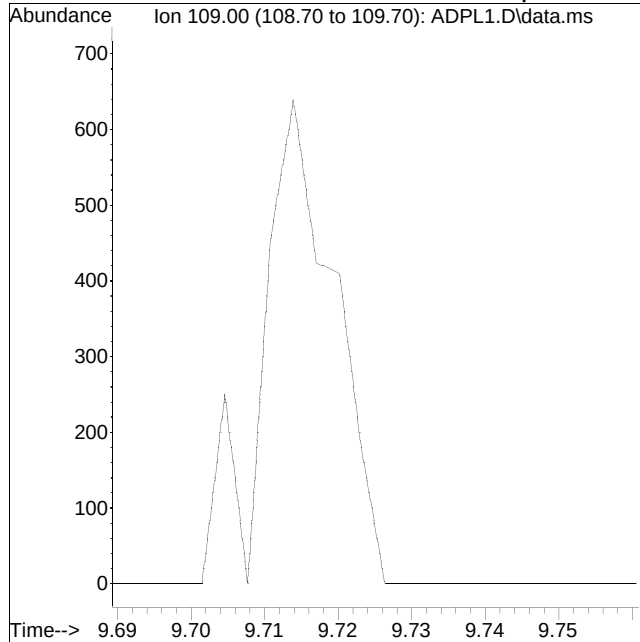


Manual Integration Report

Data Path : I:\8270\Dakota\250821RVTICOM
Data File : ADPL1.D
Date Inj'd : 8/20/2025 11:44 pm
Sample : IL10,32,,ADPL0.1 Lot# 11860

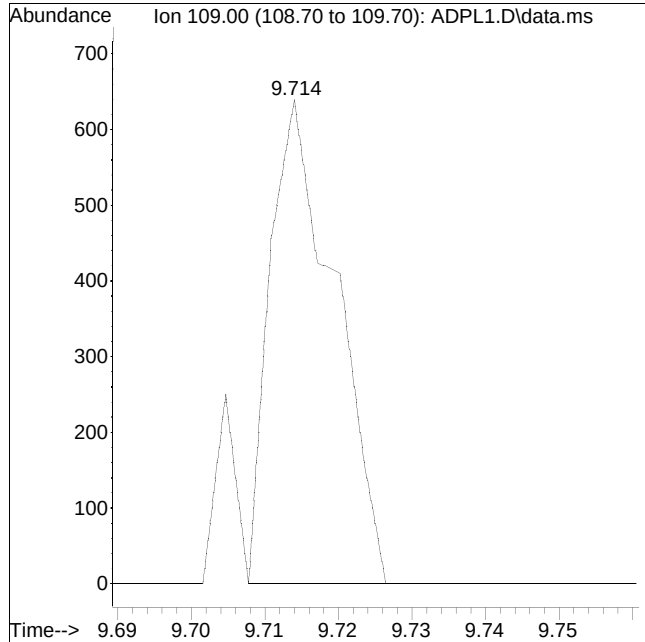
Method : FS250821RVT_Dakota.m
Operator : Dakota:smz
Instrument : Dakota
Quant Date : 8/21/2025 5:50 am

Compound #104: Parathion



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.



Manual Peak Response = 392 M2

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPICV.D
 Acq On : 21 Aug 2025 12:07 am
 Operator : Dakota:smz
 Sample : CQICV,32,,ADPICV Lot# 11856
 Misc : WG2105679,,
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 21 07:09:09 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
33 T	1,4-Dioxane	0.411	0.378	8.0	98	0.00
35 T	n-Decane	1.270	1.072	15.6	94	0.00
88 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	102	0.00
89 T	Atrazine	0.486	0.422	13.2	93	0.00
102 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	102	0.00
103 T	n-Octadecane	0.368	0.327	11.1	96	0.00
104 T	Parathion	* 5.000	4.401	12.0	86	0.00
105 T	3,3'-Dimethylbenzidine	* 5.000	3.906	21.9#	90	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPICV.D
 Acq On : 21 Aug 2025 12:07 am
 Operator : Dakota:smz
 Sample : CQICV,32,,ADPICV Lot# 11856
 Misc : WG2105679,,
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 21 07:09:09 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250820RVTICAL\ABNL6.D
 : 2 - I:\8270\Dakota\250820RVTICAL\ADPL6.D
 : 3 - I:\8270\Dakota\250820RVTICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.579	152	56260	4.000	ug/ml	0.00
Standard Area 2 = 53798			Recovery =	104.58%		
88) IS3_Acenaphthene-d10	7.507	164	128222	4.000	ug/ml	0.00
Standard Area 2 = 125869			Recovery =	101.87%		
102) IS3_Phenanthrene-d10	8.928	188	297833	4.000	ug/ml	0.00
Standard Area 2 = 293121			Recovery =	101.61%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.670	88	26596	4.721	ug/ml#	78
35) n-Decane	4.474	57	75373	5.103	ug/ml#	25
89) Atrazine	8.710	200	67640	4.496	ug/ml	91
103) n-Octadecane	8.918	57	121633	5.841	ug/ml#	1
104) Parathion	9.717	109	26839	4.401	ug/ml	90
105) 3,3'-Dimethylbenzidine	10.979	212	258090	3.906	ug/ml	98

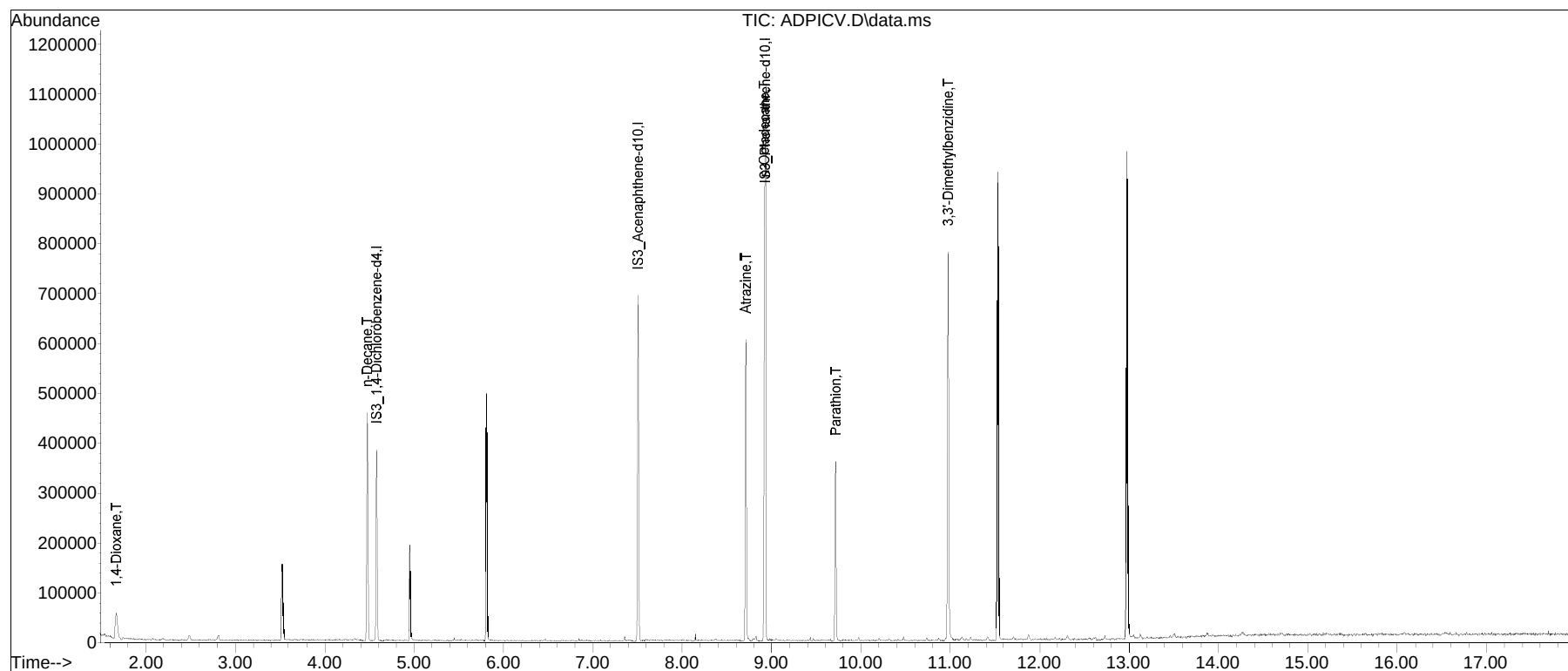
(#) = qualifier out of range (m) = manual integration (+) = signals summed

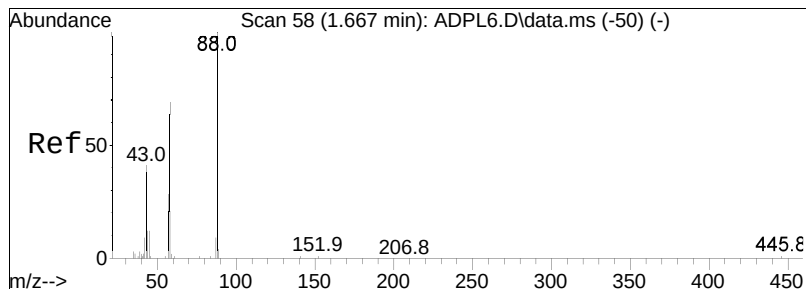
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250820RVTICAL\
 Data File : ADPICV.D
 Acq On : 21 Aug 2025 12:07 am
 Operator : Dakota:smz
 Sample : CQICV,32,,ADPICV Lot# 11856
 Misc : WG2105679,,
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 21 07:09:09 2025
 Quant Method : I:\8270\Dakota\250820RVTICAL\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 21 05:46:21 2025
 Response via : Initial Calibration

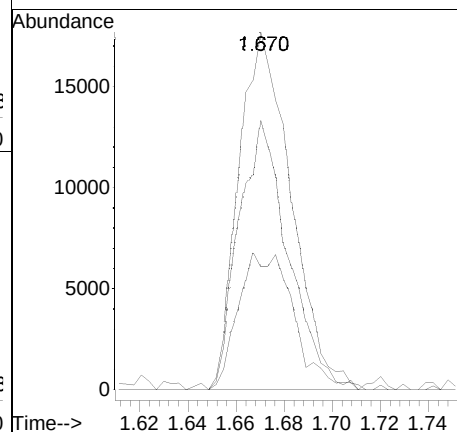
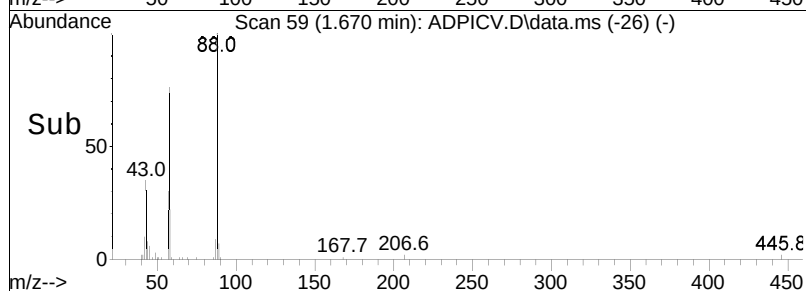
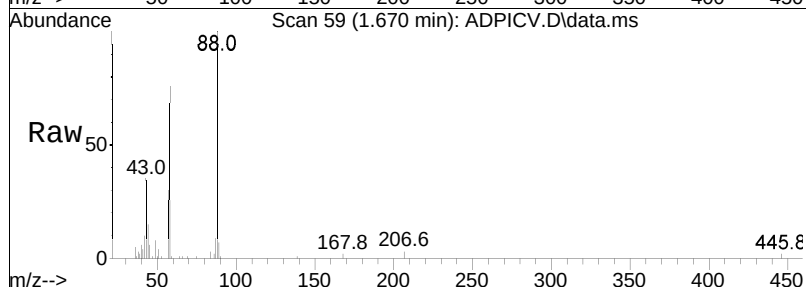
Sub List : ~~ADPICV,32,,ADPICV Lot# 11856~~ ADPICV,32,,ADPICV Lot# 11856

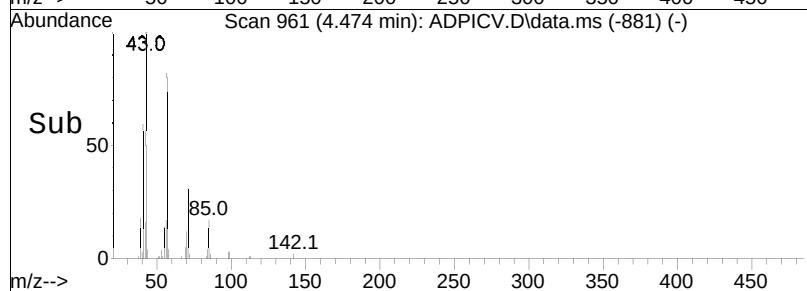
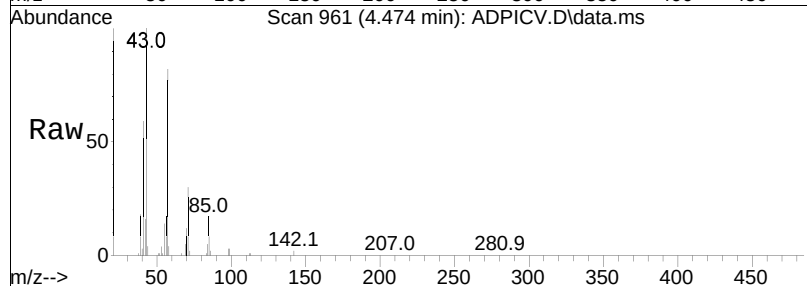
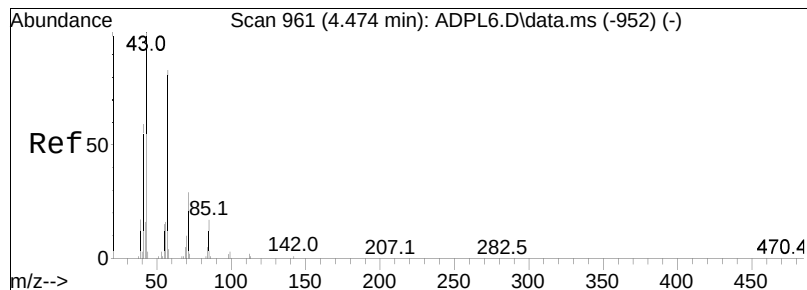




#33
 1,4-Dioxane
 Concen: 4.72 ug/ml
 RT: 1.670 min Scan# 59
 Delta R.T. 0.003 min
 Lab File: ADPICV.D
 Acq: 21 Aug 2025 12:07 am

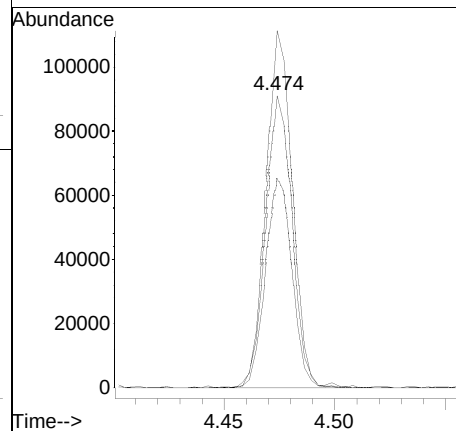
Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.9	44.8	67.2#
43	40.6	22.4	33.6#

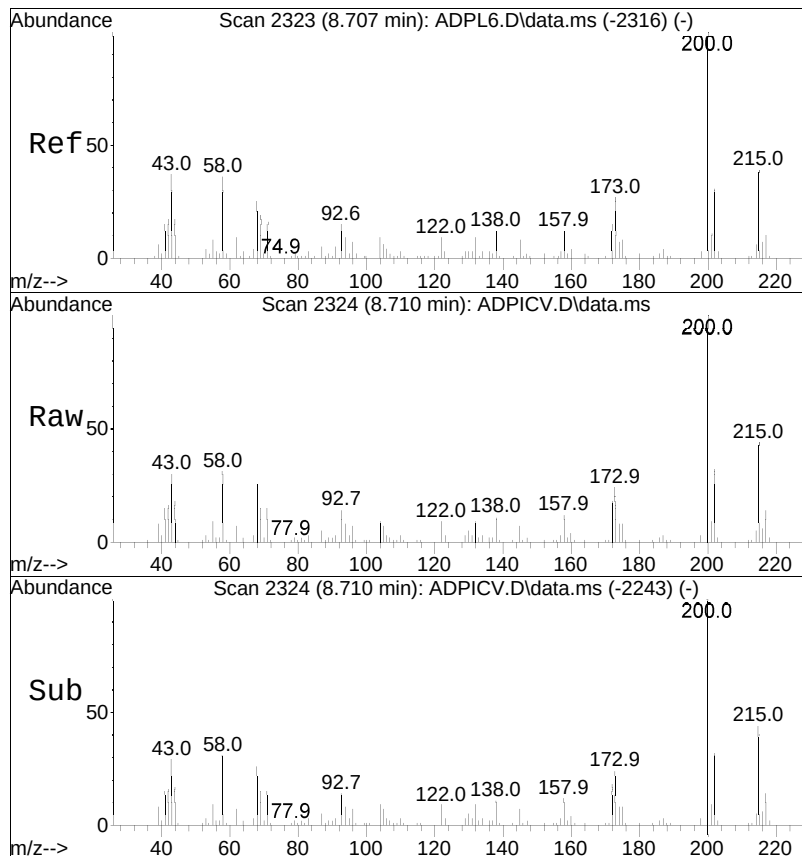




#35
 n-Decane
 Concen: 5.10 ug/ml
 RT: 4.474 min Scan# 961
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 21 Aug 2025 12:07 am

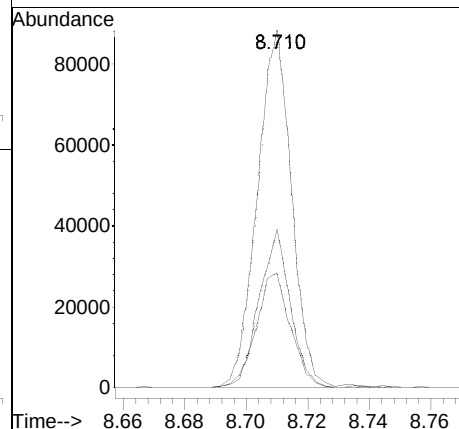
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	75373		
43	121.7		0.2	0.2#
41	72.2		0.2	0.2#

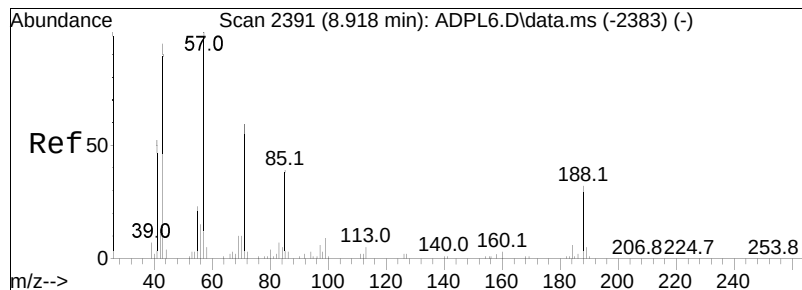




#89
 Atrazine
 Concen: 4.50 ug/ml
 RT: 8.710 min Scan# 2324
 Delta R.T. 0.003 min
 Lab File: ADPICV.D
 Acq: 21 Aug 2025 12:07 am

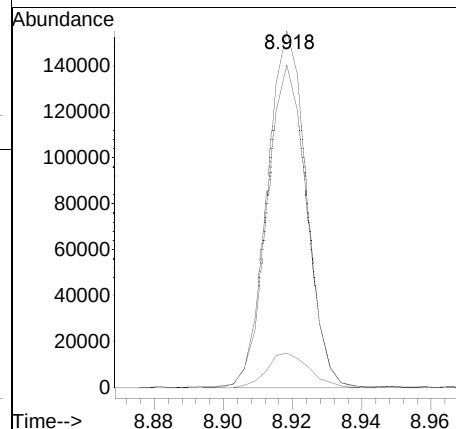
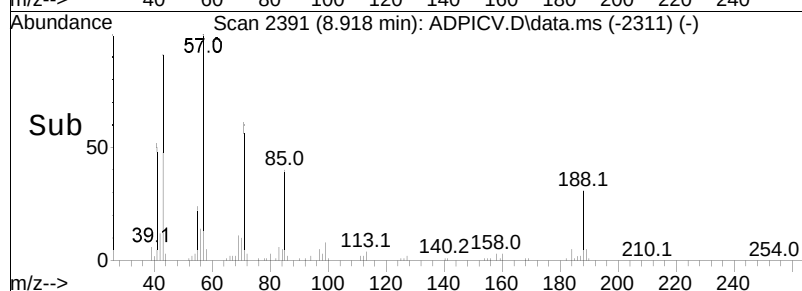
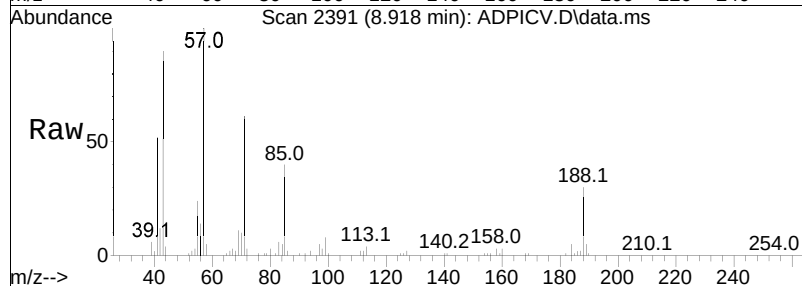
Tgt Ion:	200	Resp:	67640
Ion Ratio	Lower	Upper	
200	100		
202	32.0	25.8	38.6
215	40.5	40.2	60.4

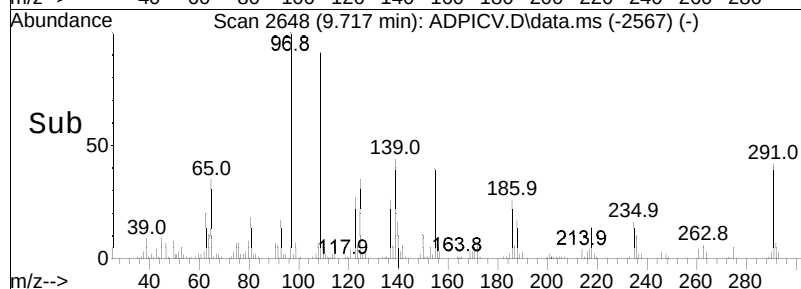
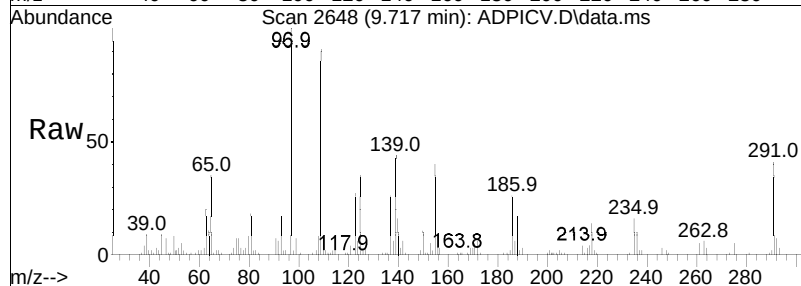
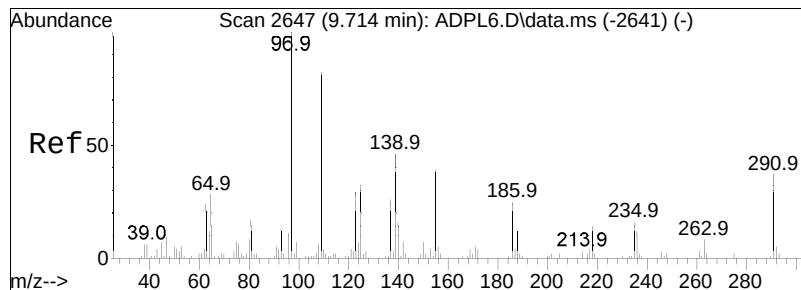




#103
 n-Octadecane
 Concen: 5.84 ug/ml
 RT: 8.918 min Scan# 2391
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 21 Aug 2025 12:07 am

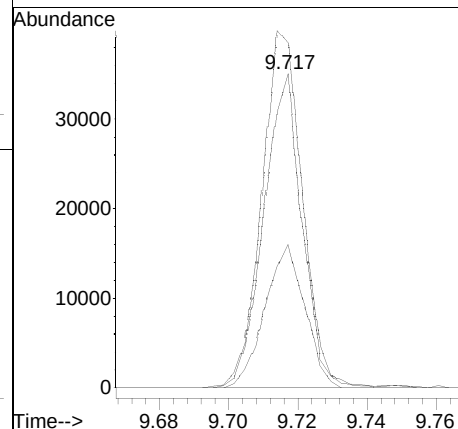
Tgt Ion	Ratio	Lower	Upper
57	100		
43	91.2	9.0	13.6#
70	10.6	0.2	0.2#

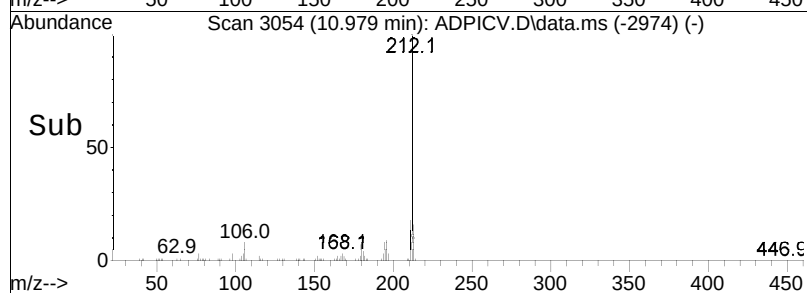
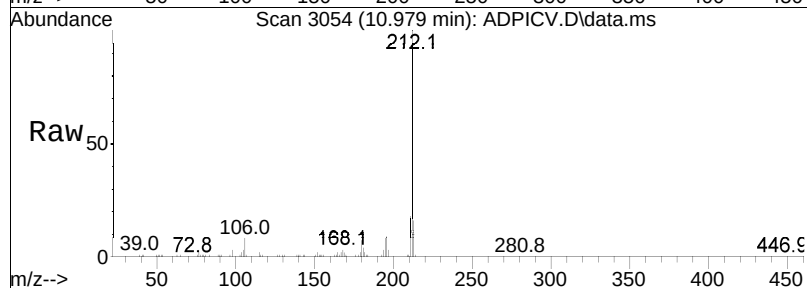
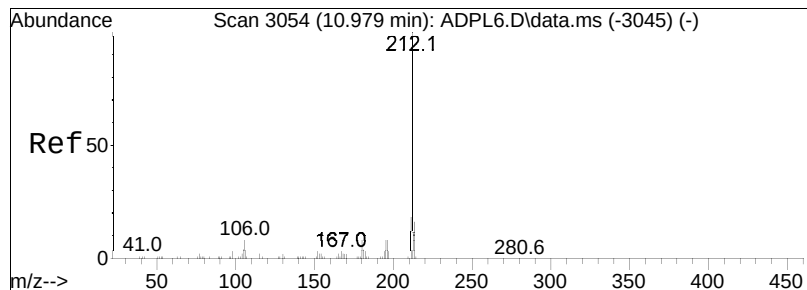




#104
 Parathion
 Concen: 4.40 ug/ml
 RT: 9.717 min Scan# 2648
 Delta R.T. 0.003 min
 Lab File: ADPICV.D
 Acq: 21 Aug 2025 12:07 am

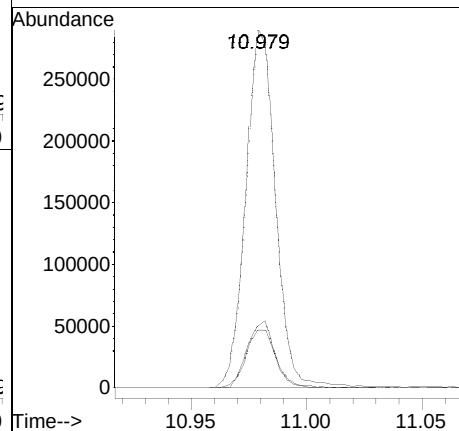
Tgt Ion:	109	Resp:	26839
Ion Ratio	Lower	Upper	
109	100		
97	120.4	87.4	131.2
291	47.6	34.2	51.2





#105
 3,3'-Dimethylbenzidine
 Concen: 3.91 ug/ml
 RT: 10.979 min Scan# 3054
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 21 Aug 2025 12:07 am

Tgt Ion	Ratio	Resp	Lower	Upper
212	100	258090		
211	17.8		12.9	19.3
213	16.3		13.2	19.8



Manual Integration Report

Data Path : I:\8270\Dakota\250820RVTICQMethod : FS250821RVT_Dakota.m
Data File : ADPICV.D Operator : Dakota:smz
Date Inj'd : 8/21/2025 12:07 am Instrument : Dakota
Sample : CQICV,32,,ADPICV Lot# 11850 Quant Date : 8/21/2025 5:50 am

There are no manual integrations or false positives in this file.

Method Path : I:\8270\Dakota\250820RVTICAL\
 Method File : FS250821RVT_Dakota.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 21 09:25:31 2025

COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
3 T Pyridine	L	ug/ml	5.0	4.245	-15.1	0.20	0.288	44.0
39 T Benzoic Acid	Q	ug/ml	5.0	4.330	-13.4	0.50	0.636	27.2
104 T Parathion	Q	ug/ml	5.0	5.054	1.1	0.10	0.075	-25.0
105 T 3,3'-Dimethylbenzidine	Q	ug/ml	5.0	4.759	-4.8	0.20	0.259	29.5

Calibration Correlation Report

COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
3 T Pyridine	Linear	0.992739	0.000000	0.869073	-0.0320369
39 T Benzoic Acid	Quadratic	0.997744	0.006691	0.156051	-0.0184314
104 T Parathion	Quadratic	0.999282	0.002904	0.0805637	6.50804e-005
105 T 3,3'-Dimethylbenzidine	Quadratic	0.997889	0.014716	0.843818	-0.0454928

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
 Method File : FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 28 09:56:36 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD

1) I	IS1_1,4-Dichlorobenzene-d4	-----ISTD-----										
2) t	n-Nitrosodimet...	0.625	0.627	0.648	0.651	0.662	0.669	0.715	0.683	0.660	0.660	4.21
3) t	Pyridine	0.909	1.005	1.085	1.116	1.207	1.184	1.274	1.222	1.175	1.131	10.23
4) S	2-Fluorophenol	1.000	1.021	1.001	1.070	1.147	1.150	1.218	1.194	1.153	1.106	7.64
5) T	Aniline		1.318	1.579	1.766	1.790	1.829	1.917	1.896	1.813	1.738	11.43
6) t	2-Chlorophenol	1.232	1.140	1.249	1.321	1.367	1.380	1.482	1.442	1.373	1.332	8.13
7) S	Phenol-d6	1.128	1.235	1.291	1.274	1.342	1.353	1.455	1.430	1.353	1.318	7.59
8) T	Phenol	1.253	1.337	1.402	1.430	1.476	1.460	1.589	1.553	1.468	1.441	7.13
9) T	Bis(2-chloroet...	1.077	1.056	1.154	1.160	1.155	1.153	1.227	1.183	1.121	1.143	4.55
10) T	1,3-Dichlorobe...	1.521	1.666	1.599	1.571	1.592	1.611	1.692	1.614	1.518	1.598	3.63
11) T	1,4-Dichlorobe...	1.660	1.531	1.676	1.616	1.654	1.635	1.727	1.648	1.559	1.634	3.64
12) T	1,2-Dichlorobe...	1.556	1.602	1.607	1.539	1.587	1.562	1.633	1.575	1.485	1.572	2.77
13) t	Benzyl alcohol	0.792	0.919	0.907	0.939	0.980	0.980	1.073	1.070	1.019	0.964	9.14
14) T	Bis(2-chlorois...	1.869	1.814	1.874	1.874	1.902	1.873	1.957	1.896	1.742	1.867	3.22
15) T	2-Methylphenol	1.023	0.916	1.081	1.090	1.106	1.134	1.226	1.217	1.144	1.104	8.65
16) T	Hexachloroethane	0.491	0.596	0.593	0.604	0.625	0.620	0.655	0.633	0.599	0.602	7.69
17) T	n-Nitrosodi-n-...	0.714	0.726	0.703	0.805	0.843	0.844	0.919	0.917	0.860	0.815	10.23
18) T	3-Methylphenol...	1.201	1.077	1.095	1.170	1.213	1.221	1.339	1.305	1.239	1.207	7.12
19) S	Nitrobenzene-d5	1.107	1.084	1.149	1.192	1.243	1.261	1.360	1.357	1.283	1.226	8.22
20) T	Nitrobenzene	1.114	1.129	1.225	1.204	1.290	1.306	1.392	1.390	1.292	1.260	8.00
21) T	Isophorone	2.034	2.084	2.111	2.177	2.333	2.360	2.577	2.576	2.409	2.296	8.95
22) T	2-Nitrophenol		0.493	0.534	0.535	0.635	0.665	0.749	0.776	0.734	0.640	17.12
23) T	2,4-Dimethylph...	1.142	1.150	1.117	1.218	1.288	1.344	1.427	1.417	1.337	1.271	9.35
24) T	Bis(2-chloroet...	1.391	1.497	1.492	1.513	1.613	1.560	1.658	1.651	1.542	1.546	5.54
25) T	2,4-Dichloroph...	0.989	0.948	1.054	1.135	1.212	1.232	1.357	1.341	1.259	1.170	12.63
26) T	1,2,4-Trichlor...	1.342	1.329	1.312	1.380	1.396	1.375	1.462	1.429	1.342	1.374	3.58
27) I	IS2_1,4-Dichlorobenzene-d4	-----ISTD-----										
28) T	Benzaldehyde	0.678	0.660	0.659	0.656	0.650	0.634	0.633	0.613	0.622	0.645	3.22
29) T	Acetophenone	1.895	1.931	2.072	1.849	1.891	1.873	1.878	1.853	1.903	1.905	3.56

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
 Method File : FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 28 09:56:36 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD

30) T	m-Toluidine			0.747	0.912	1.162	1.209	1.261	1.257	1.311	1.123	18.79
31) T	2-Chloroaniline	1.668	1.617	1.753	1.641	1.748	1.750	1.800	1.743	1.792	1.724	3.80
32) I	IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) t	1,4-Dioxane	0.606	0.475	0.495	0.460	0.452	0.426	0.458	0.442	0.477		11.74
34) T	n-Decane	1.451	1.569	1.484	1.428	1.409	1.421	1.366	1.489	1.426	1.449	4.05
35) I	IS1_Naphthalene-d8	-----ISTD-----										
36) T	Naphthalene	1.082	1.113	1.085	1.081	1.083	1.076	1.119	1.089	1.010	1.082	2.84
37) T	Benzoic Acid			0.132	0.162	0.197	0.245	0.274	0.268	*L		0.9972
38) T	4-Chloroaniline	0.100	0.096	0.113	0.122	0.122	0.122	0.129	0.128	0.121	0.117	10.11
39) T	Hexachlorobuta...	0.178	0.207	0.203	0.198	0.202	0.201	0.213	0.205	0.196	0.200	4.85
40) T	p-Chloro-m-cresol	0.278	0.248	0.266	0.255	0.285	0.289	0.317	0.317	0.301	0.284	8.87
41) T	2-Methylnaphth...	0.673	0.640	0.606	0.630	0.633	0.634	0.677	0.662	0.612	0.641	3.92
42) T	1-Methylnaphth...	0.209	0.233	0.228	0.220	0.232	0.224	0.241	0.235	0.224	0.227	4.09
43) T	Hexachlorocycl...	0.242	0.230	0.231	0.250	0.256	0.258	0.276	0.278	0.265	0.254	6.84
44) T	2,4,6-Trichlor...	0.160	0.165	0.197	0.211	0.216	0.228	0.249	0.254	0.240	0.213	16.00
45) T	2,4,5-Trichlor...	0.224	0.200	0.197	0.220	0.247	0.252	0.276	0.277	0.261	0.239	12.74
46) S	2-Fluorobiphenyl	0.843	0.835	0.796	0.808	0.825	0.808	0.857	0.835	0.777	0.821	3.09
47) T	2-Chloronaphth...	0.695	0.743	0.714	0.725	0.725	0.722	0.766	0.751	0.700	0.727	3.20
48) T	2-Nitroaniline	0.155	0.161	0.170	0.187	0.207	0.224	0.249	0.258	0.243	0.206	19.20
49) T	1,4-Dinitroben...		0.071	0.072	0.090	0.096	0.102	0.113	0.119	0.114	0.097	19.22
50) T	1,3-Dinitroben...		0.090	0.089	0.091	0.109	0.120	0.132	0.136	0.127	0.112	17.57
51) T	Dimethyl phtha...	0.834	0.825	0.786	0.845	0.862	0.868	0.935	0.910	0.847	0.857	5.21
52) T	Acenaphthylene	1.111	1.063	1.083	1.141	1.192	1.213	1.286	1.264	1.177	1.170	6.61
53) T	2,6-Dinitrotol...		0.131	0.132	0.153	0.171	0.176	0.195	0.194	0.185	0.167	15.47
54) T	1,2-Dinitroben...		0.054	0.054	0.069	0.076	0.079	0.085	0.084	0.081	0.073	17.37
55) I	IS2_Naphthalene-d8	-----ISTD-----										
56) T	a-Terpineol	0.261	0.270	0.259	0.260	0.264	0.266	0.275	0.275	0.273	0.267	2.41
57) T	3-Chloroaniline		0.102	0.112	0.111	0.120	0.122	0.118	0.115	0.115	0.114	5.48

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
 Method File : FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 28 09:56:36 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD

58) T	2,6-Dichloroph...	0.275	0.262	0.282	0.257	0.283	0.289	0.305	0.307	0.308	0.285	6.59
59) T	1-chloro-2-nit...	0.117	0.121	0.131	0.138	0.137	0.136	0.144	0.144	0.145	0.135	7.49
60) T	Caprolactam		0.113	0.120	0.124	0.145	0.148	0.156	0.161	0.166	0.142	14.18
61) T	1,2,4,5-Tetrac...	0.390	0.417	0.395	0.364	0.366	0.364	0.360	0.353	0.350	0.373	5.99
62) T	Biphenyl	1.080	0.960	0.943	0.906	0.928	0.905	0.900	0.882	0.874	0.931	6.70
63) I	IS1_Acenaphthene-d10	-----ISTD-----										
64) T	3-Nitroaniline		0.272	0.286	0.317	0.357	0.365	0.383	0.386	0.367	0.342	12.90
65) T	Acenaphthene	1.251	1.111	1.104	1.139	1.138	1.119	1.152	1.133	1.074	1.136	4.34
66) T	2,4-Dinitrophenol				0.125	0.138	0.158	0.179	0.199	0.195	0.166	18.30
67) T	Dibenzofuran	1.914	1.931	1.798	1.861	1.847	1.817	1.873	1.835	1.721	1.844	3.41
68) T	2,4-Dinitrotol...	0.312	0.303	0.330	0.348	0.401	0.426	0.452	0.456	0.433	0.385	15.99
69) T	4-Nitrophenol	0.249	0.176	0.215	0.220	0.236	0.250	0.263	0.267	0.266	0.238	12.64
70) T	2,3,5,6-Tetrac...		0.235	0.281	0.315	0.354	0.368	0.387	0.397	0.381	0.340	16.92
71) T	2,3,4,6-Tetrac...	0.252	0.230	0.304	0.319	0.358	0.367	0.389	0.381	0.369	0.330	17.50
72) T	Diethyl phthalate	1.608	1.488	1.406	1.471	1.517	1.532	1.572	1.566	1.487	1.516	4.05
73) T	Fluorene	1.576	1.453	1.402	1.417	1.466	1.422	1.473	1.447	1.367	1.447	4.06
74) T	4-Chlorophenyl...	0.763	0.666	0.677	0.690	0.698	0.684	0.694	0.681	0.643	0.688	4.70
75) T	4-Nitroaniline	0.279	0.294	0.280	0.322	0.348	0.367	0.392	0.384	0.367	0.337	13.14
76) T	4,6-Dinitro-o-...			0.148	0.176	0.201	0.219	0.245	0.257	0.251	0.214	19.28
77) T	NDPA/DPA	1.240	1.142	1.119	1.214	1.236	1.236	1.279	1.243	1.176	1.209	4.35
78) T	Azobenzene	1.256	1.163	1.201	1.253	1.325	1.316	1.341	1.328	1.264	1.272	4.84
79) S	2,4,6-Tribromo...		0.152	0.174	0.186	0.197	0.200	0.210	0.220	0.212	0.194	11.57
80) T	4-Bromophenyl ...	0.464	0.432	0.402	0.418	0.424	0.413	0.434	0.427	0.405	0.424	4.38
81) T	Hexachlorobenzene	0.521	0.488	0.460	0.464	0.481	0.459	0.472	0.474	0.456	0.475	4.26
82) T	Pentachlorophenol				0.197	0.249	0.276	0.310	0.324	0.323	0.280	17.94
83) I	IS2_Acenaphthene-d10	-----ISTD-----										
84) T	Dichloran	0.147	0.124	0.138	0.135	0.146	0.161	0.174	0.193	0.207	0.158	17.57
85) T	Pentachloronit...		0.110	0.139	0.135	0.154	0.164	0.170	0.176	0.187	0.154	16.28

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
 Method File : FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 28 09:56:36 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD

86) I	IS3_Acenaphthene-d10	-----ISTD-----										
87) T	Atrazine	0.309	0.334	0.345	0.341	0.354	0.377	0.391	0.448	0.447	0.372	13.19
88) I	IS1_Phenanthrene-d10	-----ISTD-----										
89) T	Phenanthrene	1.371	1.263	1.179	1.178	1.164	1.168	1.218	1.175	1.104	1.202	6.34
90) T	Anthracene	1.219	1.185	1.107	1.147	1.170	1.177	1.260	1.203	1.132	1.178	3.94
91) T	Carbazole	1.003	1.023	1.026	1.069	1.101	1.117	1.192	1.136	1.064	1.081	5.65
92) T	Di-n-butylphth...	1.166	1.108	1.070	1.167	1.264	1.333	1.456	1.451	1.377	1.266	11.52
93) T	Fluoranthene	1.364	1.261	1.208	1.274	1.297	1.306	1.390	1.323	1.242	1.296	4.47
94) T	Benzidine				0.599	0.757	0.837	0.945	0.946	0.905	0.831	16.22
95) T	Pyrene	1.449	1.366	1.307	1.384	1.383	1.387	1.466	1.403	1.300	1.383	4.02
96) S	4-Terphenyl-d14	1.126	0.947	0.937	0.957	0.963	0.957	1.026	0.994	0.935	0.982	6.21
97) T	Butyl benzyl p...	0.449	0.408	0.431	0.458	0.519	0.563	0.643	0.660	0.630	0.529	18.59
98) I	IS2_Phenanthrene-d10	-----ISTD-----										
99) T	Diphenamid	0.451	0.409	0.439	0.457	0.505	0.514	0.532	0.532	0.543	0.487	9.95
100) I	IS3_Phenanthrene-d10	-----ISTD-----										
101) T	n-Octadecane	0.450	0.480	0.469	0.459	0.462	0.490	0.491	0.524	0.494	0.480	4.72
102) T	Parathion				0.090	0.094	0.107	0.118	0.149	0.151	*L	0.9938
103) T	3,3'-Dimethylb...					0.527	0.645	0.750	0.965	0.942	*L	0.9970
104) I	IS1_Chrysene-d12	-----ISTD-----										
105) T	Benzo(a)anthra...	1.511	1.315	1.289	1.310	1.335	1.318	1.412	1.375	1.277	1.349	5.47
106) T	3,3'-Dichlorob...	0.387	0.381	0.410	0.441	0.484	0.495	0.538	0.538	0.505	0.464	13.26
107) T	Chrysene	1.506	1.443	1.348	1.330	1.324	1.278	1.335	1.269	1.194	1.336	6.96
108) T	Bis(2-ethylhex...	0.820	0.652	0.685	0.755	0.860	0.905	1.000	1.001	0.940	0.846	15.20
109) T	Di-n-octylphth...			1.035	1.125	1.328	1.447	1.676	1.705	1.617	1.419	18.86
110) T	Benzo(b)fluora...	1.294	1.242	1.272	1.269	1.271	1.242	1.362	1.307	1.239	1.278	3.09
111) T	Benzo(k)fluora...	1.319	1.241	1.207	1.316	1.368	1.336	1.382	1.325	1.231	1.303	4.75
112) T	Benzo(a)pyrene	1.127	1.076	1.125	1.215	1.230	1.227	1.313	1.264	1.197	1.197	6.26

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
 Method File : FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 28 09:56:36 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD

113)	I IS1_Perylene-d12	-----ISTD-----										
114)	T Indeno(1,2,3-c...	1.099	0.994	0.991	1.063	1.102	1.150	1.260	1.277	1.329	1.141	10.81
115)	T Dibenzo(a,h)an...	1.138	1.113	1.084	1.145	1.156	1.194	1.272	1.275	1.252	1.181	6.01
116)	T Benzo(ghi)pery...	1.225	1.122	1.082	1.111	1.132	1.151	1.231	1.220	1.197	1.164	4.80

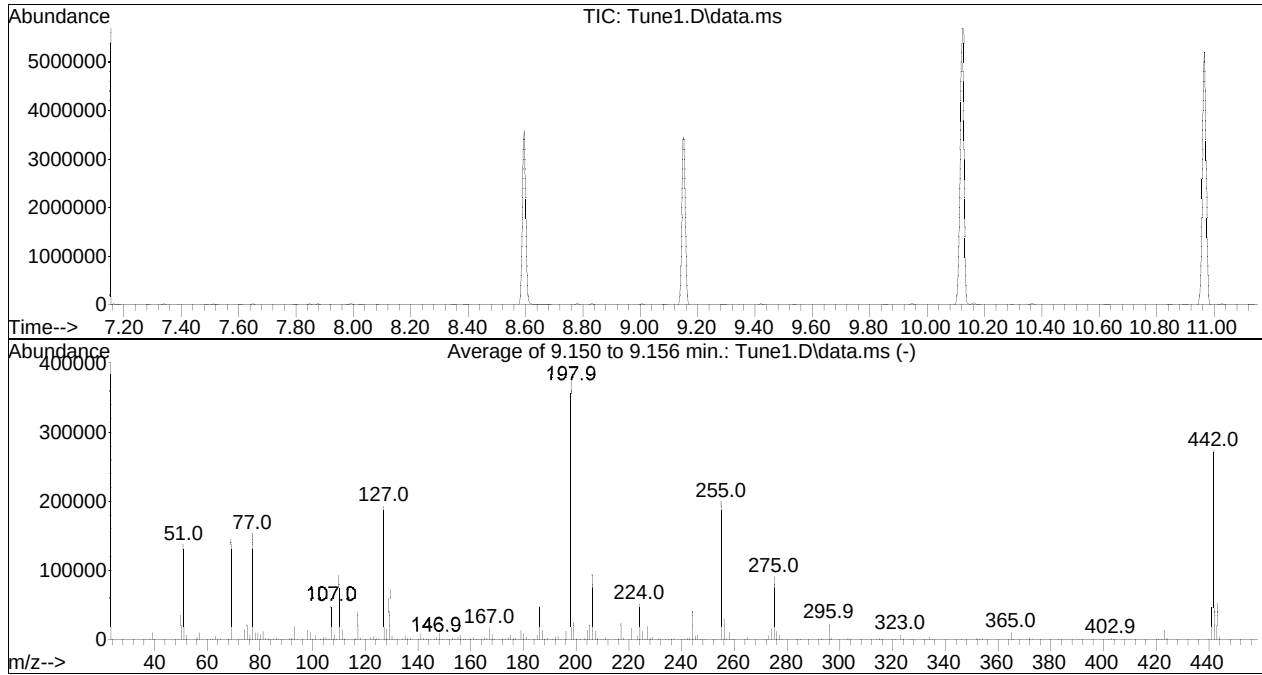
(#) = Out of Range

DFTPP

Data Path : I:\8270\SV106\250827ICAL\
 Data File : Tune1.D
 Acq On : 27 Aug 2025 7:04 pm
 Operator : SV106:smz
 Sample : Tune1 Lot# 11857
 Misc : WG2108428,,
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 28 09:56:36 2025

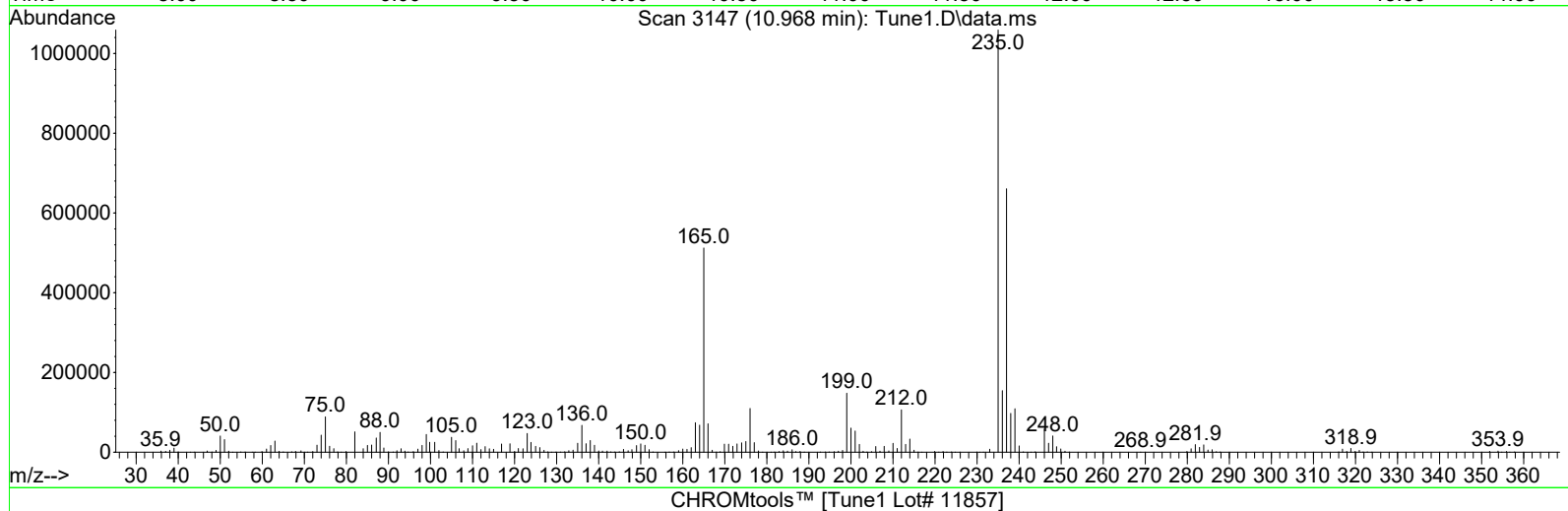
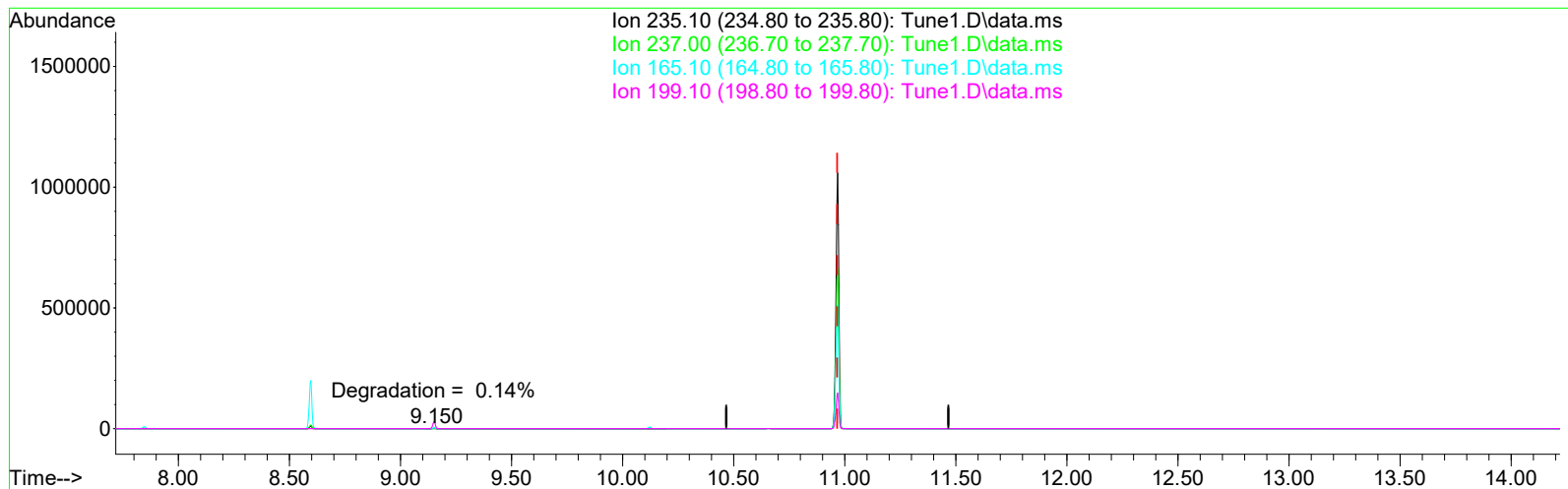


Spectrum Information: Average of 9.150 to 9.156 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.8	136925	PASS
68	69	0.00	2	1.0	1423	PASS
69	69	100	100	100.0	144555	PASS
70	69	0.00	2	0.5	760	PASS
127	198	10	80	50.5	193152	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	382400	PASS
199	198	5	9	6.6	25283	PASS
275	198	10	60	23.7	90456	PASS
365	198	1	100	2.6	9949	PASS
441	442	0.01	24	16.9	46181	PASS
442	198	50	100	71.6	273877	PASS
443	442	15	24	19.3	52861	PASS

Data Path : I:\8270\SV106\250827ICAL\
Data File : Tune1.D
Acq On : 27 Aug 2025 7:04 pm
Operator : SV106:smz
Sample : Tune1 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:28:58 2025
Quant Method : I:\8270\SV106\250827ICAL\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:29:49 2025
Response via : Initial Calibration



(6) DDT (T)

10.968min (0.000) 154.09

response 939307

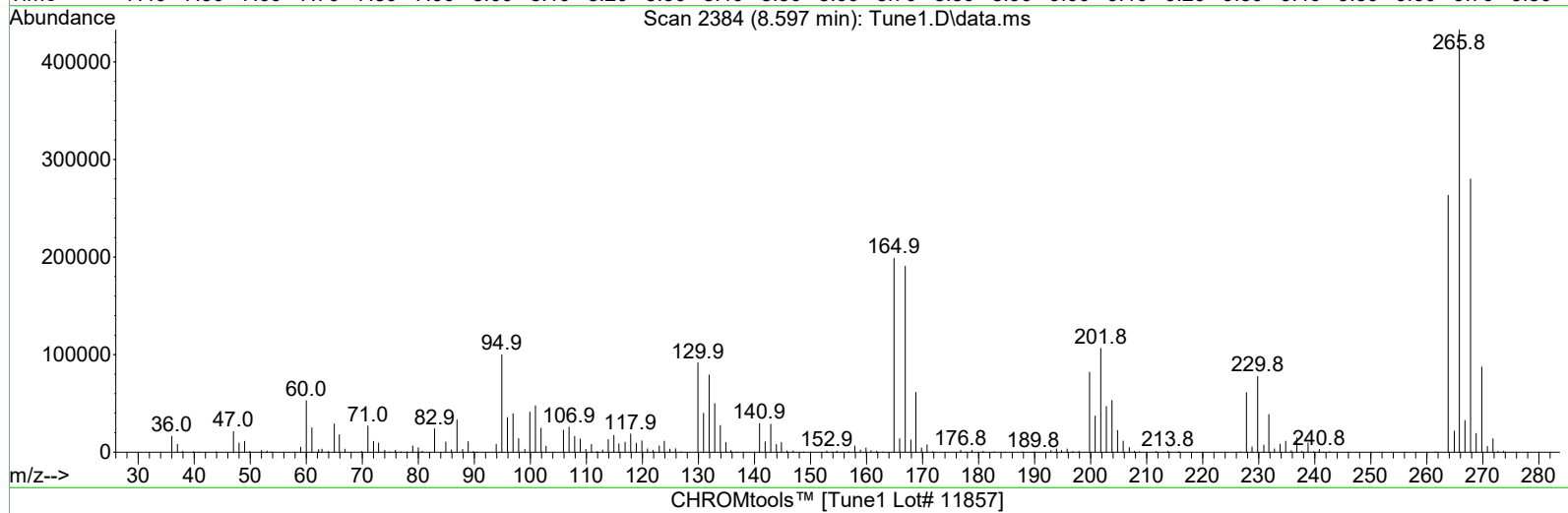
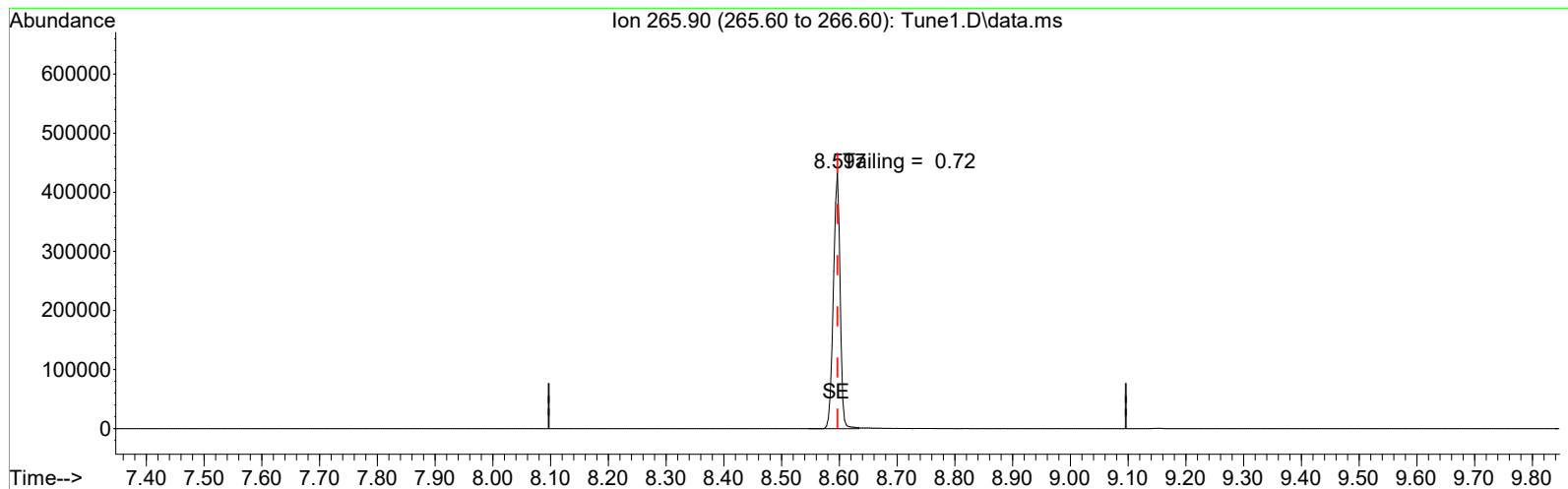
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.08
165.10	44.50	49.64
199.10	14.80	14.12

Duplicate Retention Times

(2) DFTPP 198.00

Data Path : I:\8270\SV106\250827ICAL\
Data File : Tune1.D
Acq On : 27 Aug 2025 7:04 pm
Operator : SV106:smz
Sample : Tune1 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:28:58 2025
Quant Method : I:\8270\SV106\250827ICAL\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:29:49 2025
Response via : Initial Calibration



(1) Pentachlorophenol (T)

8.597min (-0.000) 167.02

response 350794

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL9.D
 Acq On : 27 Aug 2025 8:12 pm
 Operator : SV106:smz
 Sample : IL2,32,,ABNL50 Lot# 11885
 Misc : WG2108428,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.301	152	36072	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	106.12%		
35) IS1_Naphthalene-d8	5.575	136	145103	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	107.39%		
63) IS1_Acenaphthene-d10	7.313	164	86594	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	108.04%		
88) IS1_Phenanthrene-d10	8.761	188	164312	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	106.18%		
104) IS1_Chrysene-d12	11.412	240	167935	4.000	ug/ml	0.02
Standard Area 1 = 156844			Recovery =	107.07%		
113) IS1_Perylene-d12	12.873	264	165243	4.000	ug/ml	0.02
Standard Area 1 = 164937			Recovery =	100.19%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.971	112	519944	52.411	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	2620.55%#		
7) Phenol-d6	4.000	99	610254	51.516	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	2575.80%#		
19) Nitrobenzene-d5	4.870	82	578616	52.620	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	5262.00%#		
46) 2-Fluorobiphenyl	6.676	172	1408983	47.016	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	4701.60%#		
79) 2,4,6-Tribromophenol	8.093	330	229254	55.333	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	2766.65%#		
96) 4-Terphenyl-d14	10.371	244	1920378	47.305	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery =	4730.50%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.550	74	297403	49.970	ug/ml#	71
3) Pyridine	1.578	79	530028	52.228	ug/ml#	65
5) Aniline	3.975	93	817278	55.929	ug/ml	97
6) 2-Chlorophenol	4.093	128	619076	51.750	ug/ml#	88
8) Phenol	4.012	94	662132	51.074	ug/ml	94
9) Bis(2-chloroethyl)ether	4.071	93	505477	48.930	ug/ml	96
10) 1,3-Dichlorobenzene	4.242	146	684431	47.196	ug/ml	97
11) 1,4-Dichlorobenzene	4.320	146	703068	47.440	ug/ml	97
12) 1,2-Dichlorobenzene	4.466	146	669469	46.909	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL9.D
 Acq On : 27 Aug 2025 8:12 pm
 Operator : SV106:smz
 Sample : IL2,32,,ABNL50 Lot# 11885
 Misc : WG2108428,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.478	79	459630	53.237	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.631	45	785403	46.265	ug/ml#	54
15) 2-Methylphenol	4.618	108	516043	52.062	ug/ml	99
16) Hexachloroethane	4.805	117	270260	49.774	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.761	70	387740	53.157	ug/ml	97
18) 3-Methylphenol/4-Methy...	4.783	108	558605	51.499	ug/ml	98
20) Nitrobenzene	4.888	77	582494	51.415	ug/ml	93
21) Isophorone	5.143	82	1086336	52.797	ug/ml	99
22) 2-Nitrophenol	5.209	139	331091	58.592	ug/ml#	86
23) 2,4-Dimethylphenol	5.305	107	602729	52.915	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.395	93	695150	49.826	ug/ml	97
25) 2,4-Dichlorophenol	5.460	162	567731	54.338	ug/ml	94
26) 1,2,4-Trichlorobenzene	5.532	180	605019	48.682	ug/ml	98
36) Naphthalene	5.597	128	1832125	46.296	ug/ml	99
37) Benzoic Acid	5.488	105	486342	73.141	ug/ml	92
38) 4-Chloroaniline	5.678	65	218635	51.687	ug/ml#	61
39) Hexachlorobutadiene	5.756	225	355629	48.786	ug/ml	98
40) p-Chloro-m-cresol	6.194	107	545971	53.418	ug/ml	94
41) 2-Methylnaphthalene	6.290	142	1109586	47.474	ug/ml	96
42) 1-Methylnaphthalene	6.383	115	406758	49.276	ug/ml	94
43) Hexachlorocyclopentadiene	6.464	237	480294	52.388	ug/ml	99
44) 2,4,6-Trichlorophenol	6.589	196	434920	57.086	ug/ml	98
45) 2,4,5-Trichlorophenol	6.617	196	474294	55.244	ug/ml	99
47) 2-Chloronaphthalene	6.766	162	1270178	47.949	ug/ml	97
48) 2-Nitroaniline	6.887	138	440804	60.308	ug/ml#	77
49) 1,4-Dinitrobenzene	7.027	168	207550M3	60.484	ug/ml	
50) 1,3-Dinitrobenzene	7.105	168	230355	57.954	ug/ml#	1
51) Dimethyl phthalate	7.111	163	1537020	49.378	ug/ml#	98
52) Acenaphthylene	7.170	152	2135394	50.346	ug/ml	98
53) 2,6-Dinitrotoluene	7.145	165	334790	56.059	ug/ml#	74
54) 1,2-Dinitrobenzene	7.189	168	146559	56.472	ug/ml#	74
64) 3-Nitroaniline	7.300	138	397394	54.313	ug/ml#	85
65) Acenaphthene	7.347	154	1162071	46.940	ug/ml	92
66) 2,4-Dinitrophenol	7.400	184	210653	64.975	ug/ml#	87
67) Dibenzofuran	7.518	168	1863060	46.280	ug/ml#	75
68) 2,4-Dinitrotoluene	7.537	165	468854	57.216	ug/ml#	77
69) 4-Nitrophenol	7.506	65	287418	56.564	ug/ml#	1
70) 2,3,5,6-Tetrachlorophenol	7.611	232	412195	59.776	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL9.D
 Acq On : 27 Aug 2025 8:12 pm
 Operator : SV106:smz
 Sample : IL2,32,,ABNL50 Lot# 11885
 Misc : WG2108428,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.655	232	399383	56.750	ug/ml	97
72)	Diethyl phthalate	7.810	149	1609517	48.912	ug/ml	99
73)	Fluorene	7.854	166	1479258	46.896	ug/ml	94
74)	4-Chlorophenyl phenyl ...	7.878	204	696220	46.334	ug/ml	91
75)	4-Nitroaniline	7.906	138	397067M3	55.035	ug/ml	
76)	4,6-Dinitro-o-cresol	7.938	198	272034	67.273	ug/ml#	63
77)	NDPA/DPA	8.003	169	1272602	48.436	ug/ml	95
78)	Azobenzene	8.034	77	1368282	49.655	ug/ml	95
80)	4-Bromophenyl phenyl e...	8.354	248	438567	54.211	ug/ml#	85
81)	Hexachlorobenzene	8.398	284	493916	47.791	ug/ml#	87
82)	Pentachlorophenol	8.596	266	349179	68.440	ug/ml	99
89)	Phenanthrene	8.789	178	2267394	45.452	ug/ml	99
90)	Anthracene	8.839	178	2324054	47.804	ug/ml	98
91)	Carbazole	9.013	167	2186351	49.130	ug/ml	98
92)	Di-n-butylphthalate	9.426	149	2828662	54.998	ug/ml	98
93)	Fluoranthene	9.958	202	2550034	47.649	ug/ml#	94
94)	Benzidine	10.123	184	1858216	71.130	ug/ml#	95
95)	Pyrene	10.172	202	2670011	46.659	ug/ml	99
97)	Butyl benzyl phthalate	10.906	149	1293519	60.980	ug/ml	86
105)	Benzo(a)anthracene	11.403	228	2681178	47.024	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.416	252	1060089	54.989	ug/ml	98
107)	Chrysene	11.444	228	2505579M3	44.070	ug/ml	
108)	Bis(2-ethylhexyl)phtha...	11.549	149	1972341	56.273	ug/ml#	91
109)	Di-n-octylphthalate	12.230	149	3393347	61.859	ug/ml#	72
110)	Benzo(b)fluoranthene	12.513	252	2601112	48.311	ug/ml	96
111)	Benzo(k)fluoranthene	12.544	252	2583702M3	46.909	ug/ml	
112)	Benzo(a)pyrene	12.827	252	2512216	49.978	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.852	276	2745710	59.499	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.877	278	2586375	53.412	ug/ml#	95
116)	Benzo(ghi)perylene	14.085	276	2473408	51.644	ug/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

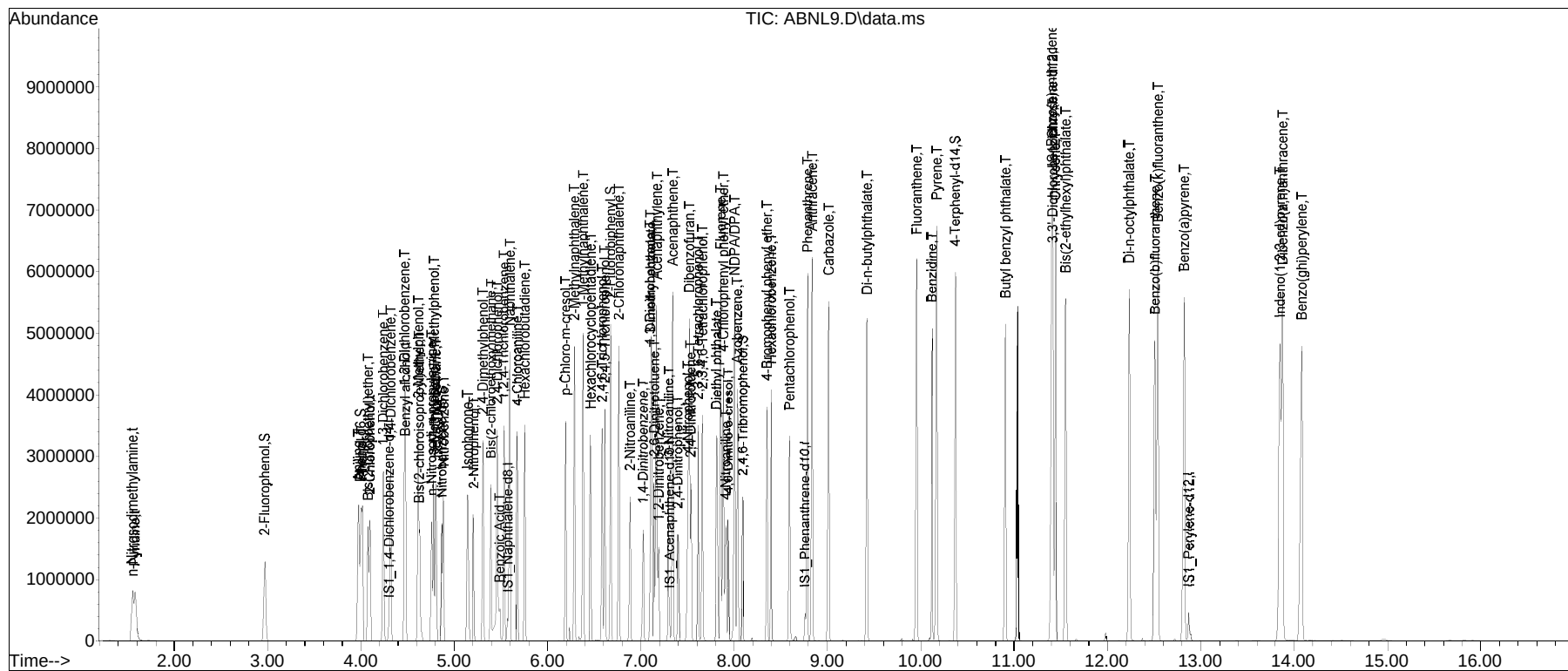
Quantitation Report

(QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL9.D
Acq On : 27 Aug 2025 8:12 pm
Operator : SV106:smz
Sample : IL2,32,,ABNL50 Lot# 11885
Misc : WG2108428,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:05:57 2025
Response via : Initial Calibration

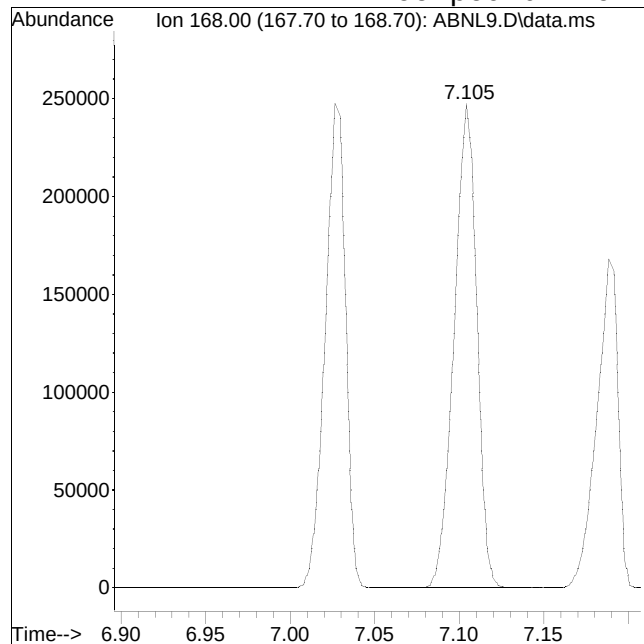
Sub List : ABNica\827ABNV100\2500275CAL\AP9L6.D•



Manual Integration Report

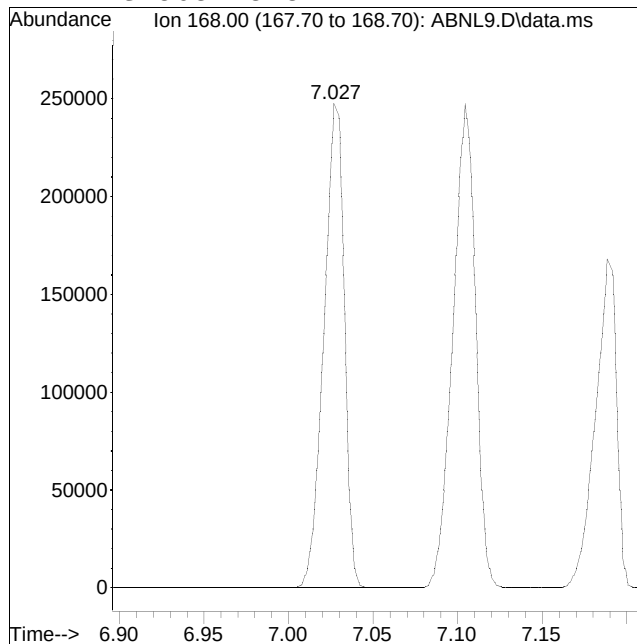
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 230355

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

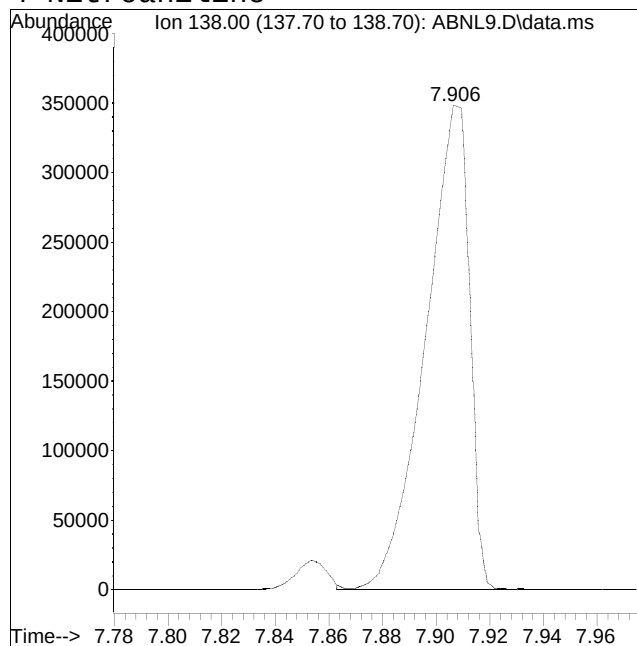
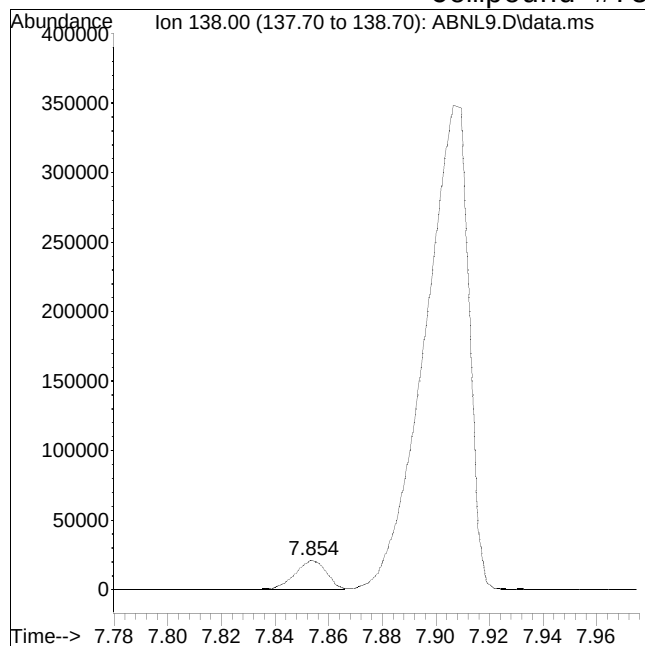


Manual Peak Response = 207550 M3

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #75: 4-Nitroaniline



Original Peak Response = 17459

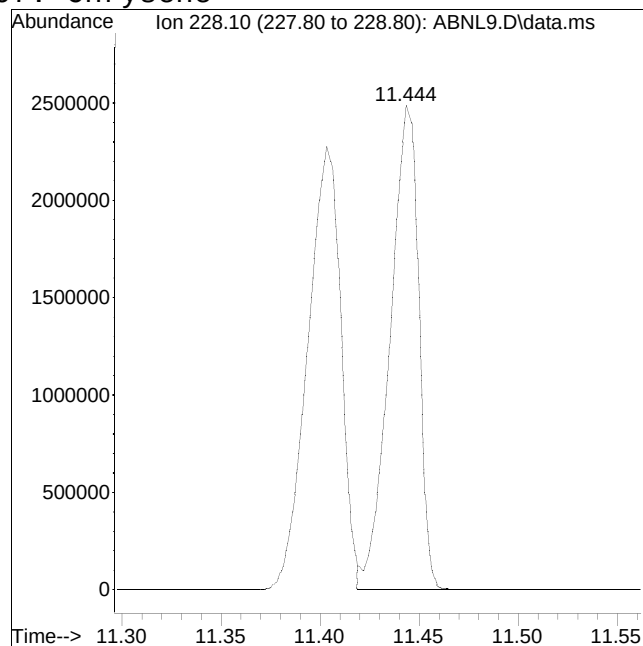
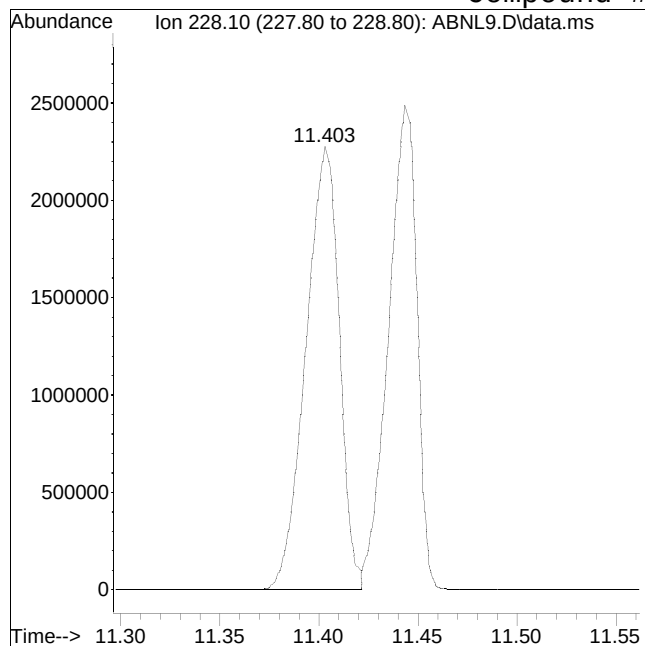
Manual Peak Response = 397067 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #107: Chrysene



Original Peak Response = 2681178

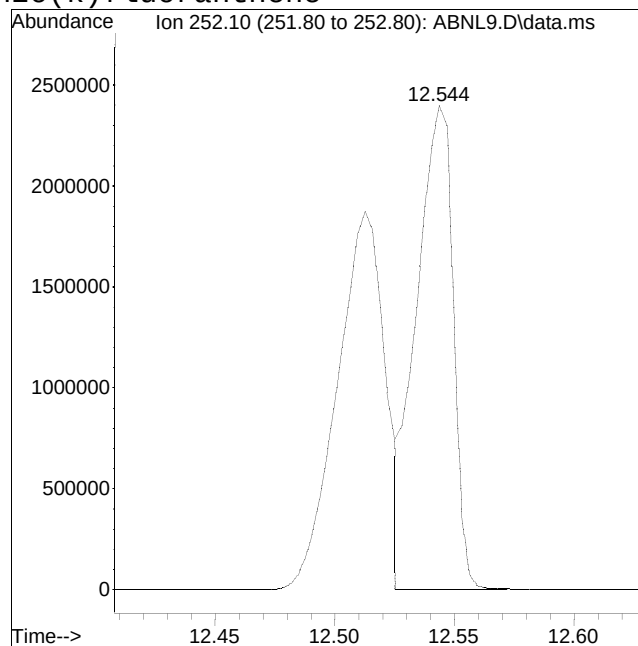
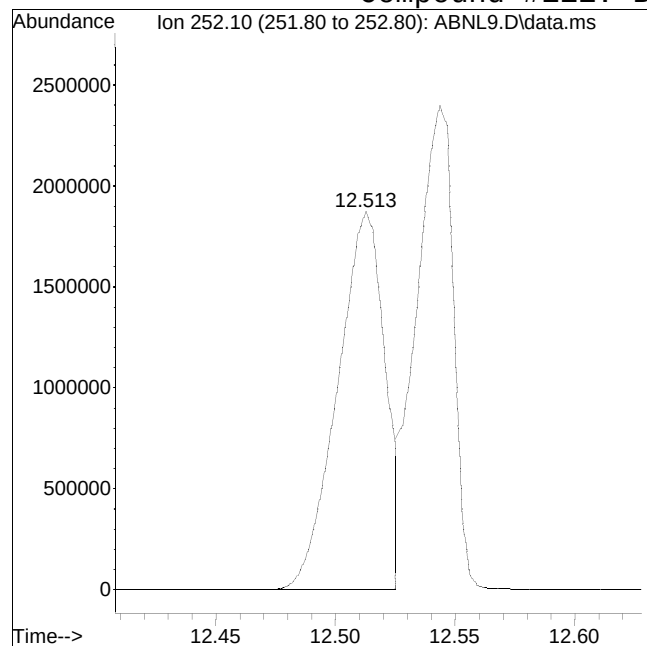
Manual Peak Response = 2505579 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 2601112

Manual Peak Response = 2583702 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL8.D
 Acq On : 27 Aug 2025 8:33 pm
 Operator : SV106:smz
 Sample : IL3,32,,ABNL25 Lot# 11886
 Misc : WG2108428,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	34356	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	101.07%		
35) IS1_Naphthalene-d8	5.576	136	138969	4.000	ug/ml	# 0.00
Standard Area 1 = 135116			Recovery =	102.85%		
63) IS1_Acenaphthene-d10	7.310	164	84598	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	105.55%		
88) IS1_Phenanthrene-d10	8.755	188	161164	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	104.14%		
104) IS1_Chrysene-d12	11.400	240	162817	4.000	ug/ml	# 0.00
Standard Area 1 = 156844			Recovery =	103.81%		
113) IS1_Perylene-d12	12.858	264	165903	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	100.59%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	256432	27.476	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1373.80%#		
7) Phenol-d6	3.997	99	307000	27.559	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1377.95%#		
19) Nitrobenzene-d5	4.867	82	291482	28.290	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2829.00%#		
46) 2-Fluorobiphenyl	6.673	172	725360	25.312	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2531.20%#		
79) 2,4,6-Tribromophenol	8.084	330	116466	29.516	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1475.80%#		
96) 4-Terphenyl-d14	10.362	244	1000771	25.153	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2515.30%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.557	74	146712	26.013	ug/ml#	72
3) Pyridine	1.582	79	262501	27.497	ug/ml#	65
5) Aniline	3.978	93	407147	29.983	ug/ml	98
6) 2-Chlorophenol	4.093	128	309706	27.525	ug/ml#	88
8) Phenol	4.009	94	333528	27.326	ug/ml	94
9) Bis(2-chloroethyl)ether	4.074	93	253962	25.932	ug/ml	97
10) 1,3-Dichlorobenzene	4.242	146	346626	25.110	ug/ml	97
11) 1,4-Dichlorobenzene	4.320	146	353956	25.087	ug/ml	96
12) 1,2-Dichlorobenzene	4.469	146	338184	24.863	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL8.D
 Acq On : 27 Aug 2025 8:33 pm
 Operator : SV106:smz
 Sample : IL3,32,,ABNL25 Lot# 11886
 Misc : WG2108428,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.475	79	229732	28.415	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.634	45	407213	25.212	ug/ml#	55
15) 2-Methylphenol	4.615	108	261355	28.116	ug/ml	99
16) Hexachloroethane	4.808	117	135968	26.488	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.755	70	196852	28.886	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.783	108	280278	27.464	ug/ml	97
20) Nitrobenzene	4.886	77	298571	28.099	ug/ml	94
21) Isophorone	5.140	82	553204	28.760	ug/ml	98
22) 2-Nitrophenol	5.209	139	166700	32.259	ug/ml#	86
23) 2,4-Dimethylphenol	5.302	107	304368	28.555	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.392	93	354585	26.944	ug/ml	97
25) 2,4-Dichlorophenol	5.457	162	288028	29.612	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.532	180	306842	26.060	ug/ml	98
36) Naphthalene	5.594	128	945519	24.939	ug/ml	99
37) Benzoic Acid	5.451	105	237673	41.402	ug/ml	92
38) 4-Chloroaniline	5.675	65	111601	27.955	ug/ml#	62
39) Hexachlorobutadiene	5.756	225	177732	25.525	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	275540	28.665	ug/ml	94
41) 2-Methylnaphthalene	6.290	142	574913	25.784	ug/ml	95
42) 1-Methylnaphthalene	6.384	115	204337	25.972	ug/ml	91
43) Hexachlorocyclopentadiene	6.464	237	241262	27.872	ug/ml	99
44) 2,4,6-Trichlorophenol	6.586	196	221040	31.239	ug/ml	99
45) 2,4,5-Trichlorophenol	6.614	196	241006	30.050	ug/ml	100
47) 2-Chloronaphthalene	6.763	162	652312	25.817	ug/ml	96
48) 2-Nitroaniline	6.881	138	223937	33.321	ug/ml#	77
49) 1,4-Dinitrobenzene	7.021	168	103763M3	33.020	ug/ml	
50) 1,3-Dinitrobenzene	7.099	168	117729	32.198	ug/ml#	1
51) Dimethyl phthalate	7.102	163	790705	26.756	ug/ml#	98
52) Acenaphthylene	7.164	152	1097655	27.337	ug/ml	99
53) 2,6-Dinitrotoluene	7.139	165	168602	30.385	ug/ml#	76
54) 1,2-Dinitrobenzene	7.179	168	73208	30.355	ug/ml#	1
64) 3-Nitroaniline	7.291	138	203953	29.221	ug/ml#	85
65) Acenaphthene	7.341	154	598975	24.732	ug/ml	91
66) 2,4-Dinitrophenol	7.394	184	104974	35.452	ug/ml#	88
67) Dibenzofuran	7.512	168	970462	24.630	ug/ml	92
68) 2,4-Dinitrotoluene	7.527	165	241048	31.016	ug/ml	88
69) 4-Nitrophenol	7.493	65	141339	29.048	ug/ml#	67
70) 2,3,5,6-Tetrachlorophenol	7.608	232	209662	32.251	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL8.D
 Acq On : 27 Aug 2025 8:33 pm
 Operator : SV106:smz
 Sample : IL3,32,,ABNL25 Lot# 11886
 Misc : WG2108428,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.649	232	201396	30.029	ug/ml	97
72)	Diethyl phthalate	7.804	149	827833	25.862	ug/ml	99
73)	Fluorene	7.848	166	765194	24.807	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.876	204	360217	24.474	ug/ml	91
75)	4-Nitroaniline	7.891	138	202921	29.427	ug/ml#	78
76)	4,6-Dinitro-o-cresol	7.925	198	136129	36.427	ug/ml#	63
77)	NDPA/DPA	7.997	169	657268	25.695	ug/ml	94
78)	Azobenzene	8.028	77	702070	26.241	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.348	248	225529M3	24.991	ug/ml	
81)	Hexachlorobenzene	8.391	284	250668	24.802	ug/ml#	87
82)	Pentachlorophenol	8.590	266	171462	36.700	ug/ml	99
89)	Phenanthrene	8.780	178	1183275	24.071	ug/ml	100
90)	Anthracene	8.830	178	1211741	25.471	ug/ml	99
91)	Carbazole	9.007	167	1143852	26.388	ug/ml	99
92)	Di-n-butylphthalate	9.417	149	1461593	29.646	ug/ml	98
93)	Fluoranthene	9.946	202	1332799	25.447	ug/ml#	94
94)	Benzidine	10.113	184	952765	39.965	ug/ml#	95
95)	Pyrene	10.163	202	1412808	25.196	ug/ml	99
97)	Butyl benzyl phthalate	10.894	149	664941	33.283	ug/ml	86
105)	Benzo(a)anthracene	11.391	228	1399180	25.356	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.400	252	547268	30.014	ug/ml#	98
107)	Chrysene	11.431	228	1291077	23.213	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.537	149	1018603	30.853	ug/ml#	92
109)	Di-n-octylphthalate	12.218	149	1734516	34.097	ug/ml#	72
110)	Benzo(b)fluoranthene	12.497	252	1329534	25.538	ug/ml	96
111)	Benzo(k)fluoranthene	12.525	252	1348501	25.289	ug/ml	96
112)	Benzo(a)pyrene	12.808	252	1286485	26.611	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.831	276	1323868	29.170	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.856	278	1322105	27.540	ug/ml#	94
116)	Benzo(ghi)perylene	14.061	276	1265223	26.511	ug/ml	92

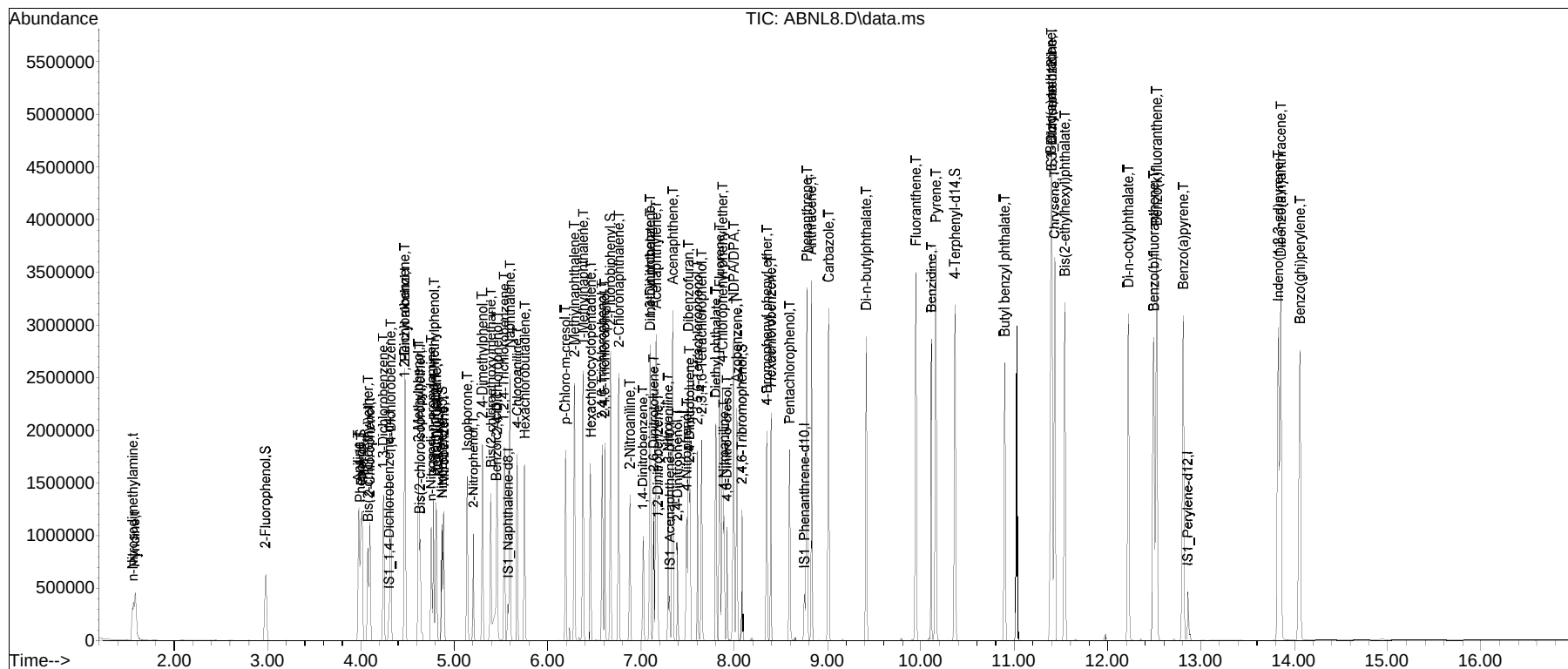
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL8.D
Acq On : 27 Aug 2025 8:33 pm
Operator : SV106:smz
Sample : IL3,32,,ABNL25 Lot# 11886
Misc : WG2108428,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:05:03 2025
Response via : Initial Calibration

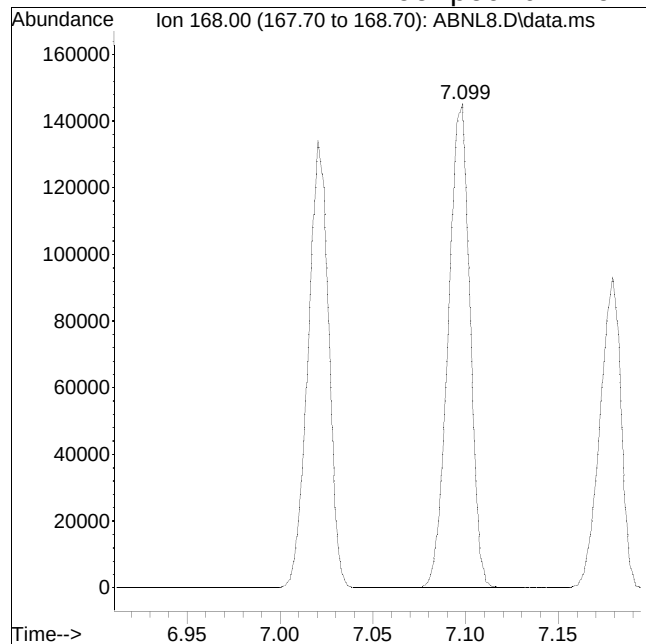
Sub List : ABNica\827ABNV100\2500275CAL\AP9L6.D•



Manual Integration Report

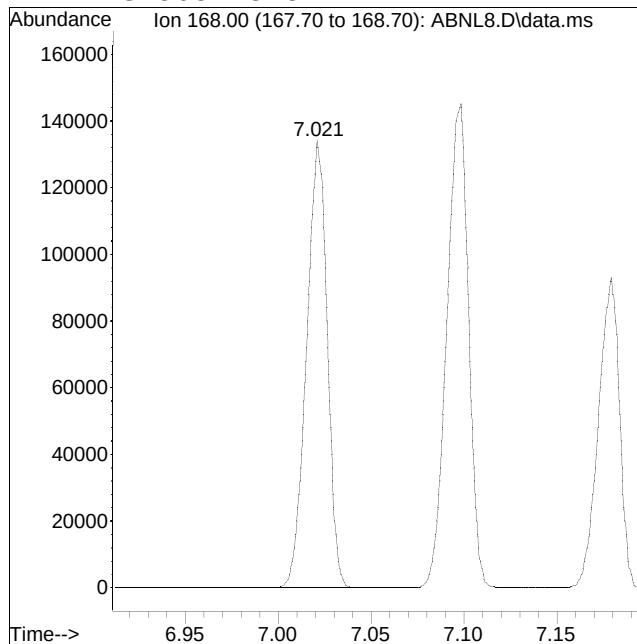
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL8.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:33 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11886 Quant Date : 8/28/2025 6:05 am

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 117729

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

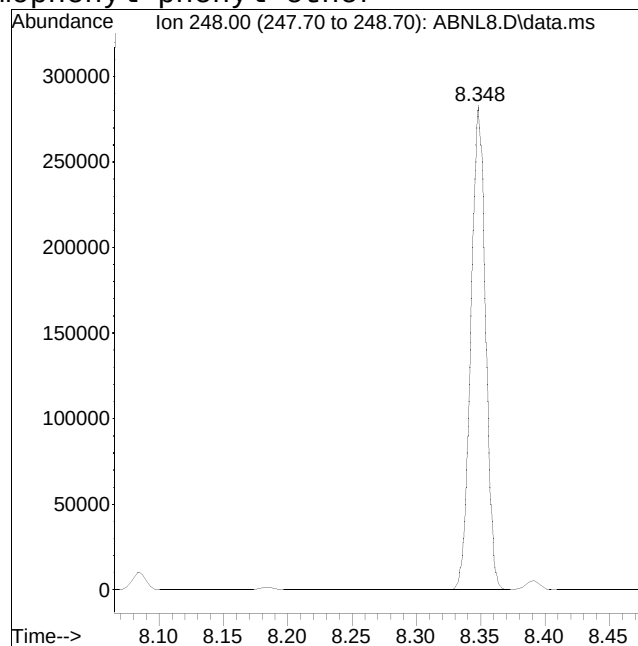
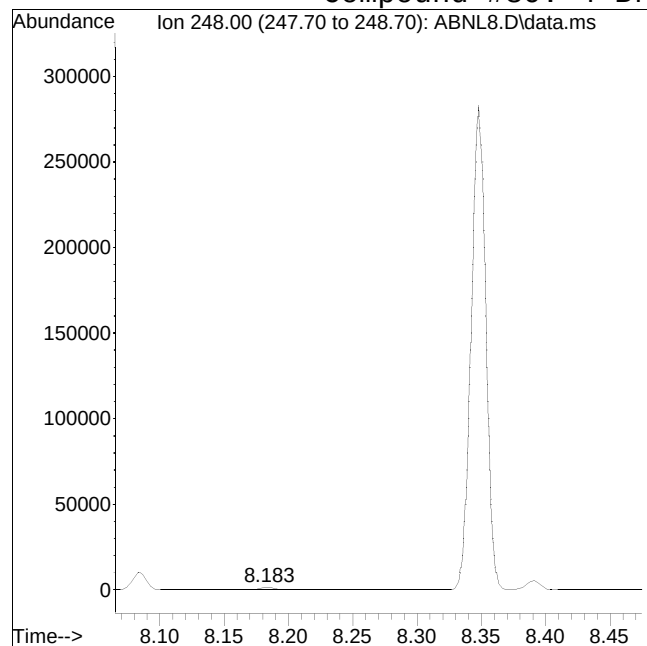


Manual Peak Response = 103763 M3

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL8.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:33 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11886 Quant Date : 8/28/2025 6:05 am

Compound #80: 4-Bromophenyl phenyl ether



Original Peak Response = 1397

Manual Peak Response = 225529 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL7.D
 Acq On : 27 Aug 2025 9:03 pm
 Operator : SV106:smz
 Sample : IL4,32,,ABNL10 Lot# 11887
 Misc : WG2108428,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 06:03:35 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:04:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.301	152	34403	4.000	ug/ml	# 0.00
Standard Area 1 = 33991			Recovery =	101.21%		
35) IS1_Naphthalene-d8	5.572	136	138164	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	102.26%		
63) IS1_Acenaphthene-d10	7.307	164	84365	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	105.26%		
88) IS1_Phenanthrene-d10	8.755	188	157203	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	101.58%		
104) IS1_Chrysene-d12	11.397	240	160087	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	102.07%		
113) IS1_Perylene-d12	12.861	264	168082	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	101.91%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.971	112	104778	11.442	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	572.10%#		
7) Phenol-d6	3.990	99	125171	11.454	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	572.70%#		
19) Nitrobenzene-d5	4.864	82	116996	11.598	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	1159.80%#		
46) 2-Fluorobiphenyl	6.673	172	296171	10.464	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	1046.40%#		
79) 2,4,6-Tribromophenol	8.084	330	44349	11.564	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	578.20%#		
96) 4-Terphenyl-d14	10.362	244	403040	10.452	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	1045.20%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.550	74	61479	11.049	ug/ml#	70
3) Pyridine	1.578	79	109608	11.753	ug/ml#	64
5) Aniline	3.975	93	164868	12.569	ug/ml	97
6) 2-Chlorophenol	4.090	128	127461	11.566	ug/ml#	89
8) Phenol	4.003	94	136691	11.409	ug/ml	94
9) Bis(2-chloroethyl)ether	4.068	93	105499	10.895	ug/ml	94
10) 1,3-Dichlorobenzene	4.239	146	145489	10.618	ug/ml	97
11) 1,4-Dichlorobenzene	4.317	146	148552	10.606	ug/ml	95
12) 1,2-Dichlorobenzene	4.466	146	140480	10.368	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL7.D
 Acq On : 27 Aug 2025 9:03 pm
 Operator : SV106:smz
 Sample : IL4,32,,ABNL10 Lot# 11887
 Misc : WG2108428,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 06:03:35 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:04:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	4.469	79	92248	11.665	ug/ml	96
14)	Bis(2-chloroisopropyl)...	4.631	45	168344	10.480	ug/ml#	56
15)	2-Methylphenol	4.612	108	105465	11.587	ug/ml	98
16)	Hexachloroethane	4.805	117	56323	11.135	ug/ml#	70
17)	n-Nitrosodi-n-propylamine	4.752	70	79020	11.893	ug/ml	97
18)	3-Methylphenol/4-Methy...	4.777	108	115137	11.510	ug/ml	98
20)	Nitrobenzene	4.882	77	119725	11.492	ug/ml	93
21)	Isophorone	5.137	82	221673	11.805	ug/ml	98
22)	2-Nitrophenol	5.206	139	64419	13.090	ug/ml#	86
23)	2,4-Dimethylphenol	5.299	107	122702	11.790	ug/ml	96
24)	Bis(2-chloroethoxy)met...	5.389	93	142611	10.972	ug/ml	98
25)	2,4-Dichlorophenol	5.454	162	116680	12.388	ug/ml#	95
26)	1,2,4-Trichlorobenzene	5.529	180	125780	10.788	ug/ml	99
36)	Naphthalene	5.594	128	386397	10.294	ug/ml	99
37)	Benzoic Acid	5.411	105	84513	16.831	ug/ml	93
38)	4-Chloroaniline	5.672	65	44456	11.429	ug/ml#	59
39)	Hexachlorobutadiene	5.753	225	73497	10.727	ug/ml	99
40)	p-Chloro-m-cresol	6.191	107	109523	11.746	ug/ml	94
41)	2-Methylnaphthalene	6.287	142	233823	10.645	ug/ml	96
42)	1-Methylnaphthalene	6.380	115	83110	10.737	ug/ml	91
43)	Hexachlorocyclopentadiene	6.464	237	95364	11.284	ug/ml	99
44)	2,4,6-Trichlorophenol	6.586	196	85991	12.694	ug/ml	99
45)	2,4,5-Trichlorophenol	6.614	196	95307	12.355	ug/ml	99
47)	2-Chloronaphthalene	6.760	162	264740	10.634	ug/ml	96
48)	2-Nitroaniline	6.878	138	86158	13.548	ug/ml#	79
49)	1,4-Dinitrobenzene	7.018	168	38912	13.098	ug/ml	77
50)	1,3-Dinitrobenzene	7.092	168	45706	13.255	ug/ml#	1
51)	Dimethyl phthalate	7.095	163	323002	11.179	ug/ml#	98
52)	Acenaphthylene	7.161	152	444191	11.340	ug/ml	98
53)	2,6-Dinitrotoluene	7.133	165	67517	12.812	ug/ml#	76
54)	1,2-Dinitrobenzene	7.173	168	29221	12.744	ug/ml#	1
64)	3-Nitroaniline	7.288	138	80807	11.995	ug/ml#	86
65)	Acenaphthene	7.338	154	243069	10.075	ug/ml	90
66)	2,4-Dinitrophenol	7.391	184	37813	13.772	ug/ml#	87
67)	Dibenzofuran	7.512	168	395073	10.064	ug/ml	93
68)	2,4-Dinitrotoluene	7.524	165	95374	12.797	ug/ml	89
69)	4-Nitrophenol	7.490	65	55521	11.724	ug/ml#	72
70)	2,3,5,6-Tetrachlorophenol	7.605	232	81724	13.178	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL7.D
 Acq On : 27 Aug 2025 9:03 pm
 Operator : SV106:smz
 Sample : IL4,32,,ABNL10 Lot# 11887
 Misc : WG2108428,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 06:03:35 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:04:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.649	232	82135	12.766	ug/ml	99
72)	Diethyl phthalate	7.798	149	331565	10.454	ug/ml	99
73)	Fluorene	7.847	166	310744	10.119	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	146410	9.971	ug/ml	91
75)	4-Nitroaniline	7.882	138	82671	12.441	ug/ml#	77
76)	4,6-Dinitro-o-cresol	7.919	198	51601	14.795	ug/ml#	63
77)	NDPA/DPA	7.994	169	269790	10.679	ug/ml	94
78)	Azobenzene	8.025	77	282839	10.708	ug/ml	95
80)	4-Bromophenyl phenyl e...	8.348	248	91466	10.191	ug/ml#	84
81)	Hexachlorobenzene	8.391	284	99651	9.869	ug/ml#	87
82)	Pentachlorophenol	8.590	266	65323	15.246	ug/ml	99
89)	Phenanthrene	8.777	178	478694	9.980	ug/ml	99
90)	Anthracene	8.827	178	495217	10.793	ug/ml	99
91)	Carbazole	9.004	167	468296	11.277	ug/ml	99
92)	Di-n-butylphthalate	9.417	149	572332	12.291	ug/ml#	98
93)	Fluoranthene	9.945	202	546298	10.818	ug/ml#	94
94)	Benzidine	10.110	184	371383	17.736	ug/ml#	95
95)	Pyrene	10.160	202	576196	10.630	ug/ml	99
97)	Butyl benzyl phthalate	10.897	149	252730	13.644	ug/ml	86
105)	Benzo(a)anthracene	11.391	228	564916	10.484	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.400	252	215472	12.437	ug/ml	97
107)	Chrysene	11.428	228	534330	9.734	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	11.540	149	400262	12.829	ug/ml#	91
109)	Di-n-octylphthalate	12.217	149	670849	14.221	ug/ml#	73
110)	Benzo(b)fluoranthene	12.494	252	545254	10.769	ug/ml	97
111)	Benzo(k)fluoranthene	12.522	252	553105	10.647	ug/ml	95
112)	Benzo(a)pyrene	12.805	252	525675	11.258	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.827	276	529641	11.818	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.852	278	534566	11.176	ug/ml#	94
116)	Benzo(ghi)perylene	14.054	276	517307	10.825	ug/ml	93

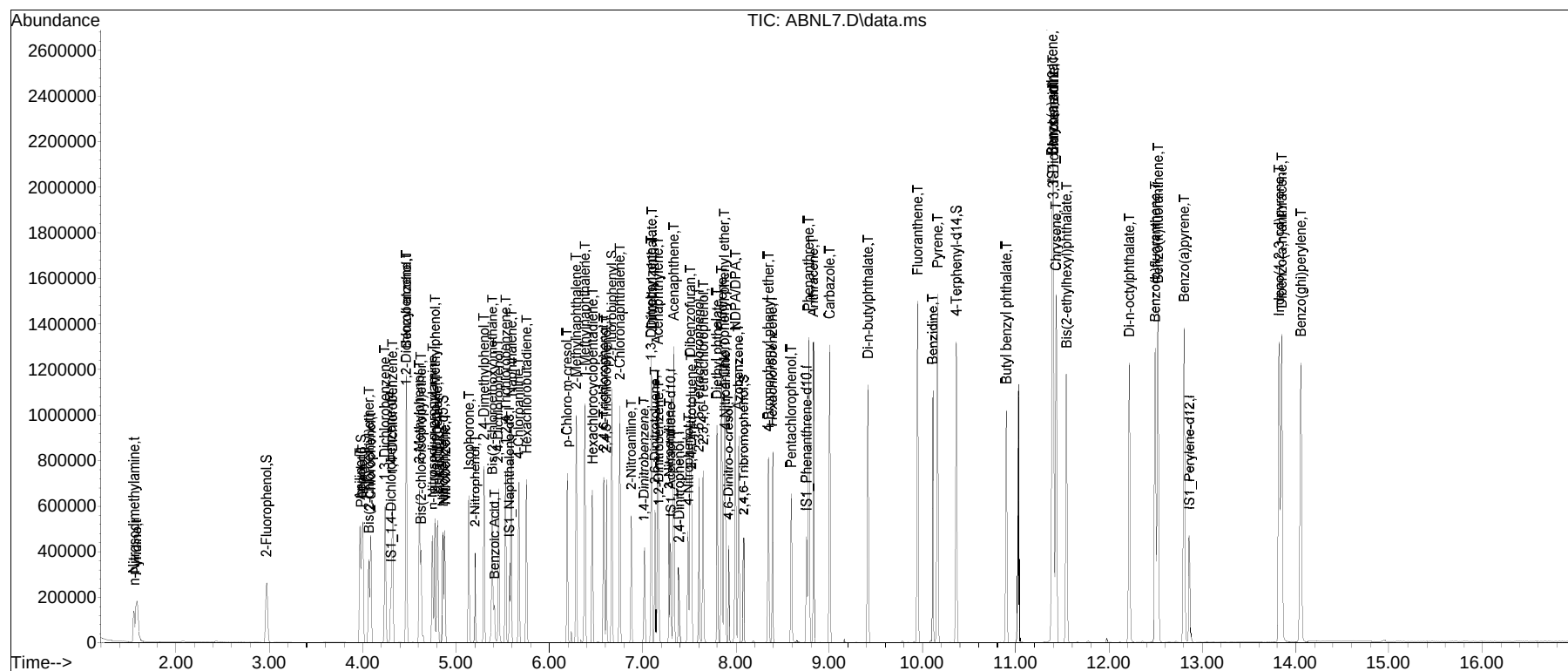
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

```
Data Path   : I:\8270\SV106\250827ICAL\
Data File  : ABNL7.D
Acq On     : 27 Aug 2025    9:03 pm
Operator   : SV106:smz
Sample     : IL4,32,,ABNL10 Lot# 11887
Misc       : WG2108428,,
ALS Vial   : 3    Sample Multiplier: 1
```

Quant Time: Aug 28 06:03:35 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:04:09 2025
Response via : Initial Calibration

Sub List : ABNica\827ABNV106\2500275CAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL7.D Operator : SV106:smz
Date Inj'd : 8/27/2025 9:03 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 11887 Quant Date : 8/28/2025 6:04 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL6.D
 Acq On : 27 Aug 2025 9:24 pm
 Operator : SV106:smz
 Sample : IL5,32,,ABNL5 Lot# 11888
 Misc : WG2108428,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:02:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33991	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	100.00%		
35) IS1_Naphthalene-d8	5.572	136	135116	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	100.00%		
63) IS1_Acenaphthene-d10	7.307	164	80147	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	100.00%		
88) IS1_Phenanthrene-d10	8.752	188	154754	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	100.00%		
104) IS1_Chrysene-d12	11.394	240	156844	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	100.00%		
113) IS1_Perylene-d12	12.855	264	164937	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	100.00%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	48856	5.488	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	274.40%#		
7) Phenol-d6	3.994	99	57469	5.392	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	269.60%#		
19) Nitrobenzene-d5	4.864	82	53573	5.457	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	545.70%#		
46) 2-Fluorobiphenyl	6.673	172	136536	4.920	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	492.00%#		
79) 2,4,6-Tribromophenol	8.081	330	19999	5.627	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	281.35%#		
96) 4-Terphenyl-d14	10.359	244	185053	4.851	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	485.10%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.554	74	28432	5.208	ug/ml#	73
3) Pyridine	1.585	79	50314	5.563	ug/ml#	64
5) Aniline	3.975	93	77729	6.247	ug/ml	96
6) 2-Chlorophenol	4.090	128	58638	5.470	ug/ml#	90
8) Phenol	4.003	94	62032	5.291	ug/ml	94
9) Bis(2-chloroethyl)ether	4.071	93	48989	5.145	ug/ml	95
10) 1,3-Dichlorobenzene	4.242	146	68433	5.066	ug/ml	96
11) 1,4-Dichlorobenzene	4.320	146	69471	5.024	ug/ml	96
12) 1,2-Dichlorobenzene	4.469	146	66356	4.948	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL6.D
 Acq On : 27 Aug 2025 9:24 pm
 Operator : SV106:smz
 Sample : IL5,32,,ABNL5 Lot# 11888
 Misc : WG2108428,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:02:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	41632	5.399	ug/ml	95
14) Bis(2-chloroisopropyl)...	4.631	45	79588	5.018	ug/ml#	58
15) 2-Methylphenol	4.615	108	48169	5.434	ug/ml	97
16) Hexachloroethane	4.808	117	26338	5.328	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.752	70	35855	5.564	ug/ml	95
18) 3-Methylphenol/4-Methy...	4.777	108	51900	5.304	ug/ml	97
20) Nitrobenzene	4.882	77	55473	5.474	ug/ml	95
21) Isophorone	5.137	82	100281	5.494	ug/ml	99
22) 2-Nitrophenol	5.209	139	28262	6.059	ug/ml#	87
23) 2,4-Dimethylphenol	5.299	107	57104	5.679	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.389	93	66295	5.196	ug/ml	98
25) 2,4-Dichlorophenol	5.454	162	52365	5.772	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.529	180	58431	5.087	ug/ml	99
36) Naphthalene	5.594	128	181757	4.942	ug/ml	99
37) Benzoic Acid	5.389	105	33189	7.656	ug/ml	94
38) 4-Chloroaniline	5.672	65	20670	5.530	ug/ml#	61
39) Hexachlorobutadiene	5.753	225	33995	5.088	ug/ml	98
40) p-Chloro-m-cresol	6.191	107	48797	5.428	ug/ml	92
41) 2-Methylnaphthalene	6.287	142	107089	4.982	ug/ml	96
42) 1-Methylnaphthalene	6.381	115	37840	4.999	ug/ml	87
43) Hexachlorocyclopentadiene	6.464	237	43566	5.329	ug/ml	100
44) 2,4,6-Trichlorophenol	6.586	196	38497	6.006	ug/ml	99
45) 2,4,5-Trichlorophenol	6.611	196	42620	5.800	ug/ml	99
47) 2-Chloronaphthalene	6.760	162	121919	5.009	ug/ml	96
48) 2-Nitroaniline	6.878	138	37886	6.370	ug/ml#	78
49) 1,4-Dinitrobenzene	7.015	168	17175	6.194	ug/ml	78
50) 1,3-Dinitrobenzene	7.089	168	20241	6.319	ug/ml#	1
51) Dimethyl phthalate	7.092	163	146634	5.229	ug/ml#	99
52) Acenaphthylene	7.161	152	204864	5.424	ug/ml	98
53) 2,6-Dinitrotoluene	7.133	165	29659	5.981	ug/ml#	77
54) 1,2-Dinitrobenzene	7.170	168	13384	6.273	ug/ml#	1
64) 3-Nitroaniline	7.282	138	36518	5.915	ug/ml#	87
65) Acenaphthene	7.335	154	112128	4.871	ug/ml	91
66) 2,4-Dinitrophenol	7.388	184	15835	6.537	ug/ml	89
67) Dibenzofuran	7.509	168	182075	4.859	ug/ml	94
68) 2,4-Dinitrotoluene	7.521	165	42714	6.293	ug/ml	91
69) 4-Nitrophenol	7.487	65	25091	5.709	ug/ml#	76
70) 2,3,5,6-Tetrachlorophenol	7.605	232	36826	6.580	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL6.D
 Acq On : 27 Aug 2025 9:24 pm
 Operator : SV106:smz
 Sample : IL5,32,,ABNL5 Lot# 11888
 Misc : WG2108428,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:02:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.646	232	36773	6.271	ug/ml	99
72)	Diethyl phthalate	7.795	149	153497	5.114	ug/ml	99
73)	Fluorene	7.844	166	142500	4.862	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	68570	4.899	ug/ml	90
75)	4-Nitroaniline	7.879	138	36722	6.013	ug/ml#	79
76)	4,6-Dinitro-o-cresol	7.916	198	21901	7.065	ug/ml#	64
77)	NDPA/DPA	7.991	169	123781	5.190	ug/ml	93
78)	Azobenzene	8.022	77	131853	5.309	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	41347	4.820	ug/ml#	85
81)	Hexachlorobenzene	8.388	284	45957	4.751	ug/ml#	87
82)	Pentachlorophenol	8.587	266	27637	7.457	ug/ml	99
89)	Phenanthrene	8.777	178	225951	4.745	ug/ml	100
90)	Anthracene	8.827	178	227747	5.051	ug/ml	99
91)	Carbazole	9.001	167	216146	5.349	ug/ml	99
92)	Di-n-butylphthalate	9.414	149	257929	5.771	ug/ml	98
93)	Fluoranthene	9.942	202	252651	5.099	ug/ml#	94
94)	Benzidine	10.107	184	161995	8.873	ug/ml#	95
95)	Pyrene	10.157	202	268318	5.034	ug/ml	99
97)	Butyl benzyl phthalate	10.890	149	108876	6.212	ug/ml	86
105)	Benzo(a)anthracene	11.385	228	258370	4.874	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.394	252	96963	5.880	ug/ml	97
107)	Chrysene	11.419	228	250509	4.595	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	177417	5.997	ug/ml#	91
109)	Di-n-octylphthalate	12.211	149	283757	6.433	ug/ml#	73
110)	Benzo(b)fluoranthene	12.485	252	243531	4.892	ug/ml	94
111)	Benzo(k)fluoranthene	12.513	252	262004	5.178	ug/ml	96
112)	Benzo(a)pyrene	12.796	252	240526	5.312	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.815	276	237078	5.476	ug/mL	96
115)	Dibenzo(a,h)anthracene	13.843	278	246196	5.297	ug/ml#	94
116)	Benzo(ghi)perylene	14.042	276	237391	5.075	ug/ml	92

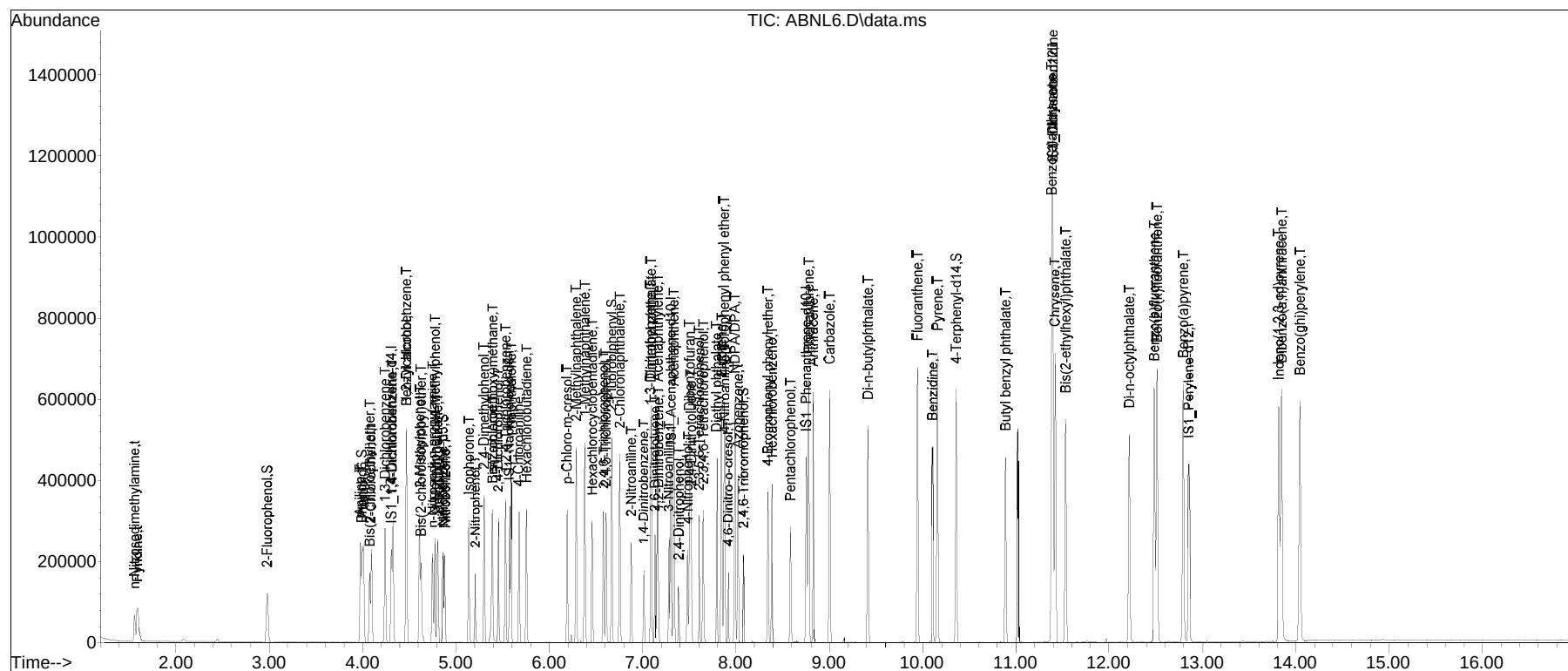
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

```
Data Path   : I:\8270\SV106\250827ICAL\
Data File  : ABNL6.D
Acq On     : 27 Aug 2025    9:24 pm
Operator   : SV106:smz
Sample     : IL5,32,,ABNL5 Lot# 11888
Misc       : WG2108428,,
ALS Vial   : 4    Sample Multiplier: 1
```

Quant Time: Aug 28 06:02:38 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:02:52 2025
Response via : Initial Calibration

Sub List : ABNica\827ABNV106\2500275CAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL6.D Operator : SV106:smz
Date Inj'd : 8/27/2025 9:24 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11888 Quant Date : 8/28/2025 6:03 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL5.D
 Acq On : 27 Aug 2025 9:46 pm
 Operator : SV106:smz
 Sample : IL6,32,,ABNL2.5 Lot# 11889
 Misc : WG2108428,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:01:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33459	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	98.43%		
35) IS1_Naphthalene-d8	5.572	136	132859	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	98.33%		
63) IS1_Acenaphthene-d10	7.307	164	78031	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	97.36%		
88) IS1_Phenanthrene-d10	8.752	188	152871	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	98.78%		
104) IS1_Chrysene-d12	11.391	240	152364	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	97.14%		
113) IS1_Perylene-d12	12.852	264	164158	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	99.53%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.974	112	23988	2.804	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	140.20%#		
7) Phenol-d6	3.993	99	28070	2.723	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	136.15%#		
19) Nitrobenzene-d5	4.864	82	25994	2.742	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	274.20%#		
46) 2-Fluorobiphenyl	6.673	172	68514	2.513	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	251.30%#		
79) 2,4,6-Tribromophenol	8.081	330	9631	2.893	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	144.65%#		
96) 4-Terphenyl-d14	10.359	244	91993	2.427	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	242.70%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.557	74	13837	2.594	ug/ml#	73
3) Pyridine	1.591	79	25236	2.933	ug/ml#	66
5) Aniline	3.978	93	37442	3.237	ug/ml	98
6) 2-Chlorophenol	4.093	128	28588	2.767	ug/ml#	89
8) Phenol	4.006	94	30860	2.722	ug/ml	95
9) Bis(2-chloroethyl)ether	4.071	93	24162	2.598	ug/ml	99
10) 1,3-Dichlorobenzene	4.245	146	33292	2.505	ug/ml	96
11) 1,4-Dichlorobenzene	4.320	146	34586	2.551	ug/ml	97
12) 1,2-Dichlorobenzene	4.472	146	33191	2.518	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL5.D
 Acq On : 27 Aug 2025 9:46 pm
 Operator : SV106:smz
 Sample : IL6,32,,ABNL2.5 Lot# 11889
 Misc : WG2108428,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:01:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	20491	2.755	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.634	45	39782	2.560	ug/ml#	70
15) 2-Methylphenol	4.615	108	23129	2.691	ug/ml	97
16) Hexachloroethane	4.808	117	13076	2.738	ug/ml#	71
17) n-Nitrosodi-n-propylamine	4.752	70	17635	2.860	ug/ml	95
18) 3-Methylphenol/4-Methy...	4.777	108	25376	2.671	ug/ml	96
20) Nitrobenzene	4.882	77	26980	2.761	ug/ml	95
21) Isophorone	5.137	82	48779	2.775	ug/ml	98
22) 2-Nitrophenol	5.209	139	13270	3.048	ug/ml#	86
23) 2,4-Dimethylphenol	5.299	107	26940	2.783	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.389	93	33737	2.737	ug/ml	99
25) 2,4-Dichlorophenol	5.454	162	25355	2.939	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.529	180	29191	2.603	ug/ml	99
36) Naphthalene	5.594	128	89933	2.484	ug/ml	99
37) Benzoic Acid	5.377	105	13414	3.615	ug/ml	94
38) 4-Chloroaniline	5.672	65	10141	2.833	ug/ml#	60
39) Hexachlorobutadiene	5.753	225	16737	2.560	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	23660	2.724	ug/ml	94
41) 2-Methylnaphthalene	6.287	142	52546	2.483	ug/ml	94
42) 1-Methylnaphthalene	6.380	115	19226	2.604	ug/ml	91
43) Hexachlorocyclopentadiene	6.464	237	21266	2.685	ug/ml	100
44) 2,4,6-Trichlorophenol	6.586	196	17948	2.950	ug/ml	96
45) 2,4,5-Trichlorophenol	6.614	196	20476	2.932	ug/ml	99
47) 2-Chloronaphthalene	6.760	162	60225	2.521	ug/ml	96
48) 2-Nitroaniline	6.878	138	17193	3.075	ug/ml#	82
49) 1,4-Dinitrobenzene	7.015	168	7944	3.084	ug/ml	76
50) 1,3-Dinitrobenzene	7.089	168	9038	3.018	ug/ml#	1
51) Dimethyl phthalate	7.092	163	71563	2.620	ug/ml#	98
52) Acenaphthylene	7.161	152	99002	2.710	ug/ml	98
53) 2,6-Dinitrotoluene	7.130	165	14214	3.086	ug/ml#	77
54) 1,2-Dinitrobenzene	7.170	168	6296	3.216	ug/ml#	1
64) 3-Nitroaniline	7.285	138	17413	3.059	ug/ml#	88
65) Acenaphthene	7.338	154	55491	2.470	ug/ml	92
66) 2,4-Dinitrophenol	7.387	184	6753	3.088	ug/ml	91
67) Dibenzofuran	7.509	168	90079	2.462	ug/ml	95
68) 2,4-Dinitrotoluene	7.521	165	19535	3.097	ug/ml	94
69) 4-Nitrophenol	7.484	65	11528	2.747	ug/ml#	72
70) 2,3,5,6-Tetrachlorophenol	7.602	232	17246	3.390	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL5.D
 Acq On : 27 Aug 2025 9:46 pm
 Operator : SV106:smz
 Sample : IL6,32,,ABNL2.5 Lot# 11889
 Misc : WG2108428,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:01:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	17457	3.238	ug/ml	98
72)	Diethyl phthalate	7.795	149	73993	2.540	ug/ml	99
73)	Fluorene	7.844	166	71519	2.508	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	34029	2.496	ug/ml	90
75)	4-Nitroaniline	7.875	138	16961	2.957	ug/ml#	80
76)	4,6-Dinitro-o-cresol	7.913	198	9796	3.507	ug/ml#	67
77)	NDPA/DPA	7.990	169	60263	2.620	ug/ml	94
78)	Azobenzene	8.022	77	64627	2.719	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	20697	2.473	ug/ml#	85
81)	Hexachlorobenzene	8.388	284	23450	2.487	ug/ml#	87
82)	Pentachlorophenol	8.587	266	12143	3.804	ug/ml	98
89)	Phenanthrene	8.777	178	111191	2.332	ug/ml	100
90)	Anthracene	8.827	178	111761	2.511	ug/ml	99
91)	Carbazole	9.001	167	105218	2.672	ug/ml	98
92)	Di-n-butylphthalate	9.414	149	120726	2.800	ug/ml	98
93)	Fluoranthene	9.942	202	123891M3	2.539	ug/ml	
94)	Benzidine	10.104	184	72311	4.723	ug/ml#	95
95)	Pyrene	10.154	202	132122	2.512	ug/ml	100
97)	Butyl benzyl phthalate	10.890	149	49602	2.974	ug/ml	86
105)	Benzo(a)anthracene	11.381	228	127121	2.461	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.394	252	46105	2.991	ug/ml	98
107)	Chrysene	11.416	228	126099	2.353	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	81893	2.953	ug/ml#	91
109)	Di-n-octylphthalate	12.211	149	126496	3.092	ug/ml#	73
110)	Benzo(b)fluoranthene	12.482	252	121066	2.504	ug/ml	94
111)	Benzo(k)fluoranthene	12.510	252	130243M3	2.690	ug/ml	
112)	Benzo(a)pyrene	12.792	252	117112	2.707	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.812	276	113109	2.658	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.837	278	118633	2.581	ug/ml#	94
116)	Benzo(ghi)perylene	14.036	276	116099	2.492	ug/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

(QT Reviewed)

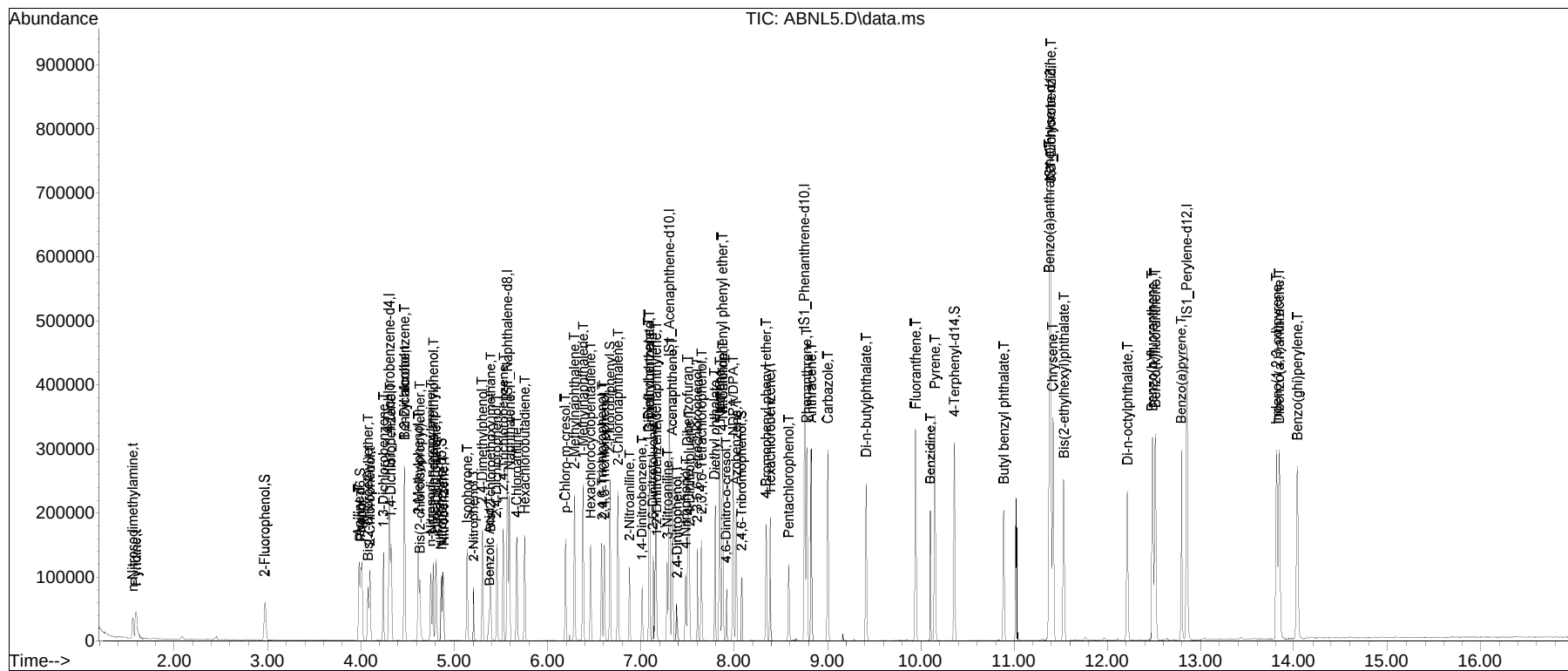
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Data Path   : I:\8270\SV106\250827ICAL\
Data File   : ABNL5.D
Acq On      : 27 Aug 2025    9:46 pm
Operator    : SV106:smz
Sample      : IL6,32,,ABNL2.5 Lot# 1188
Misc        : WG2108428,,
ALS Vial    : 5      Sample Multiplier: 1

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Quant Time: Aug 28 06:01:48 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:01:14 2025
Response via : Initial Calibration

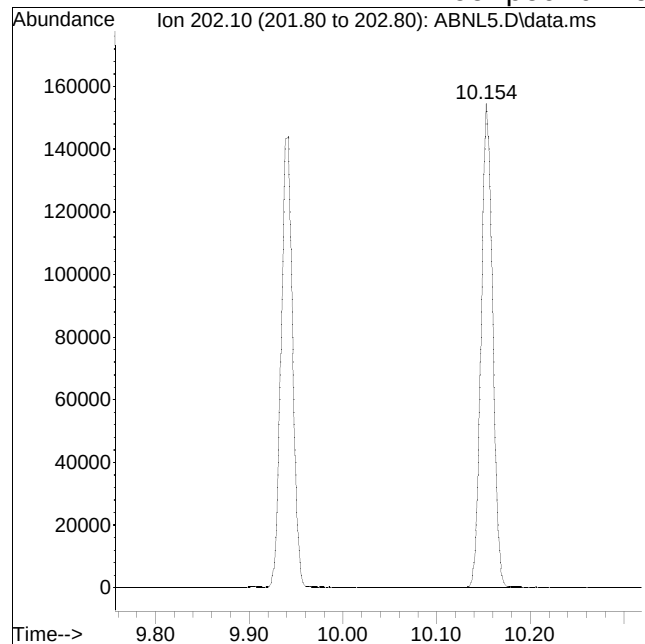
Sub List : ABNica\827ABNV100\2500275CAL\AP9L6.D•



Manual Integration Report

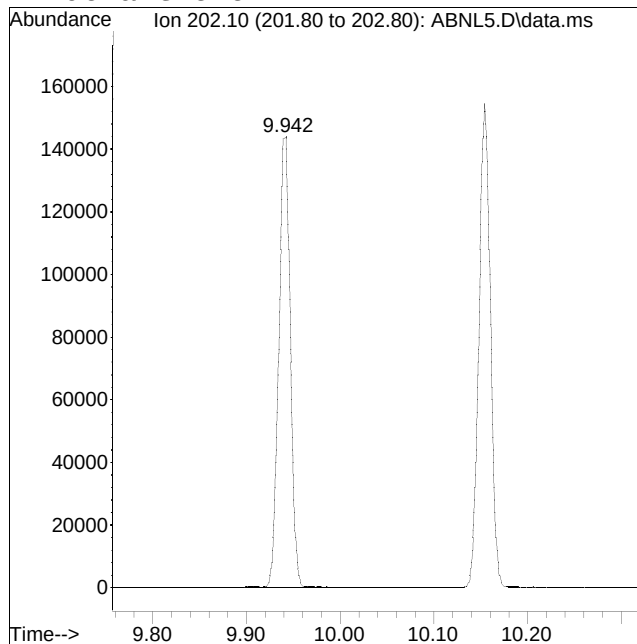
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL5.D Operator : SV106:smz
Date Inj'd : 8/27/2025 9:46 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11889 Quant Date : 8/28/2025 6:01 am

Compound #93: Fluoranthene



Original Peak Response = 131935

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

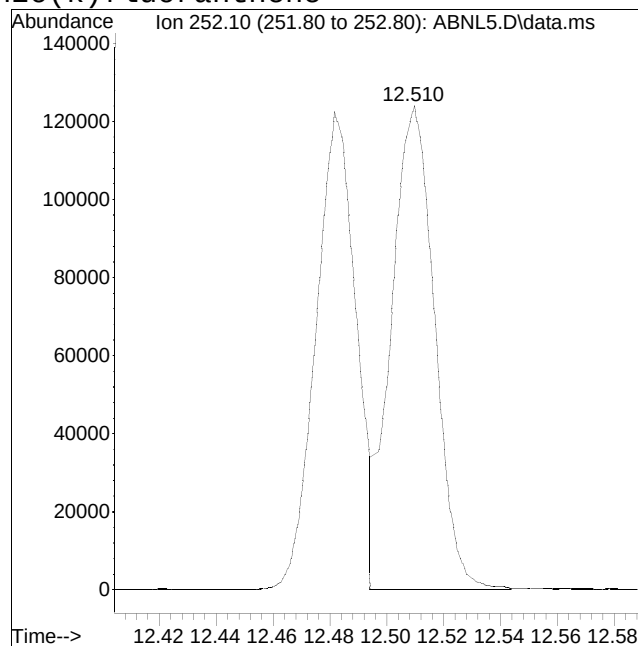
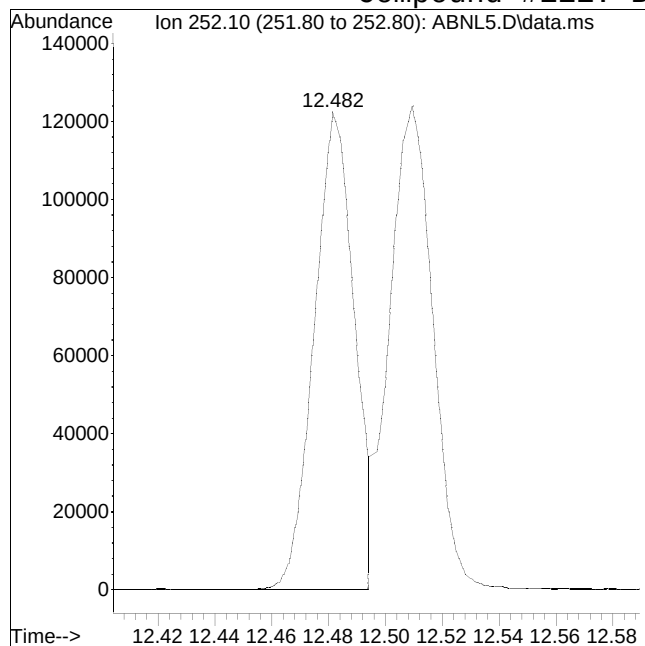


Manual Peak Response = 123891 M3

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL5.D Operator : SV106:smz
Date Inj'd : 8/27/2025 9:46 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11889 Quant Date : 8/28/2025 6:01 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 121066

Manual Peak Response = 130243 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL4.D
 Acq On : 27 Aug 2025 10:07 pm
 Operator : SV106:smz
 Sample : IL7,32,,ABNL1 Lot# 11890
 Misc : WG2108428,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	32970	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	97.00%		
35) IS1_Naphthalene-d8	5.572	136	129515	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	95.85%		
63) IS1_Acenaphthene-d10	7.307	164	75824	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	94.61%		
88) IS1_Phenanthrene-d10	8.755	188	145383	4.000	ug/ml	0.00
Standard Area 1 = 154754			Recovery =	93.94%		
104) IS1_Chrysene-d12	11.391	240	146136	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	93.17%		
113) IS1_Perylene-d12	12.855	264	159462	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	96.68%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.980	112	8820	0.968	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.40%		
7) Phenol-d6	3.993	99	10501	0.967	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.35%		
19) Nitrobenzene-d5	4.867	82	9829	0.972	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	97.20%		
46) 2-Fluorobiphenyl	6.670	172	26161	0.985	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	98.50%		
79) 2,4,6-Tribromophenol	8.081	330	3521	0.958	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	47.90%		
96) 4-Terphenyl-d14	10.359	244	34789	0.974	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	97.40%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.557	74	5363	0.986	ug/ml#	73
3) Pyridine	1.600	79	9200	0.987	ug/ml#	67
5) Aniline	3.978	93	14555	1.016	ug/ml	96
6) 2-Chlorophenol	4.093	128	10885	0.992	ug/ml#	88
8) Phenol	4.006	94	11787	0.992	ug/ml	94
9) Bis(2-chloroethyl)ether	4.074	93	9560	1.015	ug/ml#	85
10) 1,3-Dichlorobenzene	4.242	146	12946	0.983	ug/ml	95
11) 1,4-Dichlorobenzene	4.320	146	13319	0.989	ug/ml	99
12) 1,2-Dichlorobenzene	4.469	146	12688	0.979	ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL4.D
 Acq On : 27 Aug 2025 10:07 pm
 Operator : SV106:smz
 Sample : IL7,32,,ABNL1 Lot# 11890
 Misc : WG2108428,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	4.472	79	7742	0.974	ug/ml	98
14)	Bis(2-chloroisopropyl)...	4.634	45	15447	1.004	ug/ml#	58
15)	2-Methylphenol	4.615	108	8984	0.987	ug/ml	99
16)	Hexachloroethane	4.808	117	4979	1.004	ug/ml#	74
17)	n-Nitrosodi-n-propylamine	4.752	70	6635	0.988	ug/ml	95
18)	3-Methylphenol/4-Methy...	4.777	108	9646	0.970	ug/ml	98
20)	Nitrobenzene	4.886	77	9928	0.956	ug/ml	94
21)	Isophorone	5.137	82	17945	0.948	ug/ml	100
22)	2-Nitrophenol	5.209	139	4406	0.835	ug/ml	91
23)	2,4-Dimethylphenol	5.299	107	10043	0.958	ug/ml	95
24)	Bis(2-chloroethoxy)met...	5.389	93	12469	0.978	ug/ml#	98
25)	2,4-Dichlorophenol	5.454	162	9353	0.970	ug/ml#	94
26)	1,2,4-Trichlorobenzene	5.529	180	11375	1.004	ug/ml	97
36)	Naphthalene	5.594	128	34993	0.999	ug/ml	100
37)	Benzoic Acid	5.364	105	4272	1.227	ug/ml	94
38)	4-Chloroaniline	5.672	65	3955	1.044	ug/ml#	67
39)	Hexachlorobutadiene	5.756	225	6427	0.990	ug/ml	99
40)	p-Chloro-m-cresol	6.191	107	8247	0.897	ug/ml	89
41)	2-Methylnaphthalene	6.287	142	20383	0.983	ug/ml	97
42)	1-Methylnaphthalene	6.380	115	7110	0.967	ug/ml	86
43)	Hexachlorocyclopentadiene	6.461	237	8091	0.984	ug/ml	99
44)	2,4,6-Trichlorophenol	6.583	196	6818	0.987	ug/ml	96
45)	2,4,5-Trichlorophenol	6.611	196	7134	0.920	ug/ml	97
47)	2-Chloronaphthalene	6.760	162	23476	0.997	ug/ml	97
48)	2-Nitroaniline	6.875	138	6053	0.907	ug/ml#	79
49)	1,4-Dinitrobenzene	7.015	168	2908	0.925	ug/ml	78
50)	1,3-Dinitrobenzene	7.089	168	2959	0.818	ug/ml#	1
51)	Dimethyl phthalate	7.092	163	27351	0.986	ug/ml#	98
52)	Acenaphthylene	7.161	152	36958	0.975	ug/ml	100
53)	2,6-Dinitrotoluene	7.130	165	4966	0.918	ug/ml#	80
54)	1,2-Dinitrobenzene	7.167	168	2238	0.951	ug/ml#	1
64)	3-Nitroaniline	7.282	138	6014	0.929	ug/ml#	89
65)	Acenaphthene	7.335	154	21600	1.003	ug/ml	91
66)	2,4-Dinitrophenol	7.388	184	2361	0.752	ug/ml#	84
67)	Dibenzofuran	7.509	168	35271	1.009	ug/ml	95
68)	2,4-Dinitrotoluene	7.521	165	6602	0.906	ug/ml	99
69)	4-Nitrophenol	7.484	65	4161	0.922	ug/ml#	74
70)	2,3,5,6-Tetrachlorophenol	7.602	232	5979	0.928	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL4.D
 Acq On : 27 Aug 2025 10:07 pm
 Operator : SV106:smz
 Sample : IL7,32,,ABNL1 Lot# 11890
 Misc : WG2108428,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.646	232	6047	0.967	ug/ml	96
72)	Diethyl phthalate	7.795	149	27875	0.970	ug/ml	99
73)	Fluorene	7.844	166	26852	0.979	ug/ml	95
74)	4-Chlorophenyl phenyl ...	7.872	204	13071	1.002	ug/ml	90
75)	4-Nitroaniline	7.875	138	6109	0.956	ug/ml#	79
76)	4,6-Dinitro-o-cresol	7.913	198	3328	0.821	ug/ml#	65
77)	NDPA/DPA	7.990	169	23020	1.004	ug/ml	96
78)	Azobenzene	8.022	77	23759	0.985	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	7918	0.984	ug/ml#	83
81)	Hexachlorobenzene	8.388	284	8800	0.977	ug/ml#	86
82)	Pentachlorophenol	8.587	266	3728	0.703	ug/ml	99
89)	Phenanthrene	8.774	178	42826	0.980	ug/ml	99
90)	Anthracene	8.827	178	41695	0.974	ug/ml	99
91)	Carbazole	9.001	167	38867	0.989	ug/ml	98
92)	Di-n-butylphthalate	9.414	149	42427	0.922	ug/ml	99
93)	Fluoranthene	9.942	202	46320M3	0.983	ug/ml	
94)	Benzidine	10.104	184	21771	0.720	ug/ml#	96
95)	Pyrene	10.154	202	50320	1.001	ug/ml	100
97)	Butyl benzyl phthalate	10.890	149	16645	0.866	ug/ml	90
105)	Benzo(a)anthracene	11.385	228	47845	0.971	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.394	252	16110	0.950	ug/ml	98
107)	Chrysene	11.419	228	48588	0.995	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	27600	0.892	ug/ml#	90
109)	Di-n-octylphthalate	12.211	149	41100	0.793	ug/ml#	73
110)	Benzo(b)fluoranthene	12.485	252	46355	0.993	ug/ml	97
111)	Benzo(k)fluoranthene	12.513	252	48092M3	1.010	ug/ml	
112)	Benzo(a)pyrene	12.796	252	44388	1.015	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.815	276	42365	0.932	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.843	278	45654	0.970	ug/ml	95
116)	Benzo(ghi)perylene	14.039	276	44301	0.955	ug/ml	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

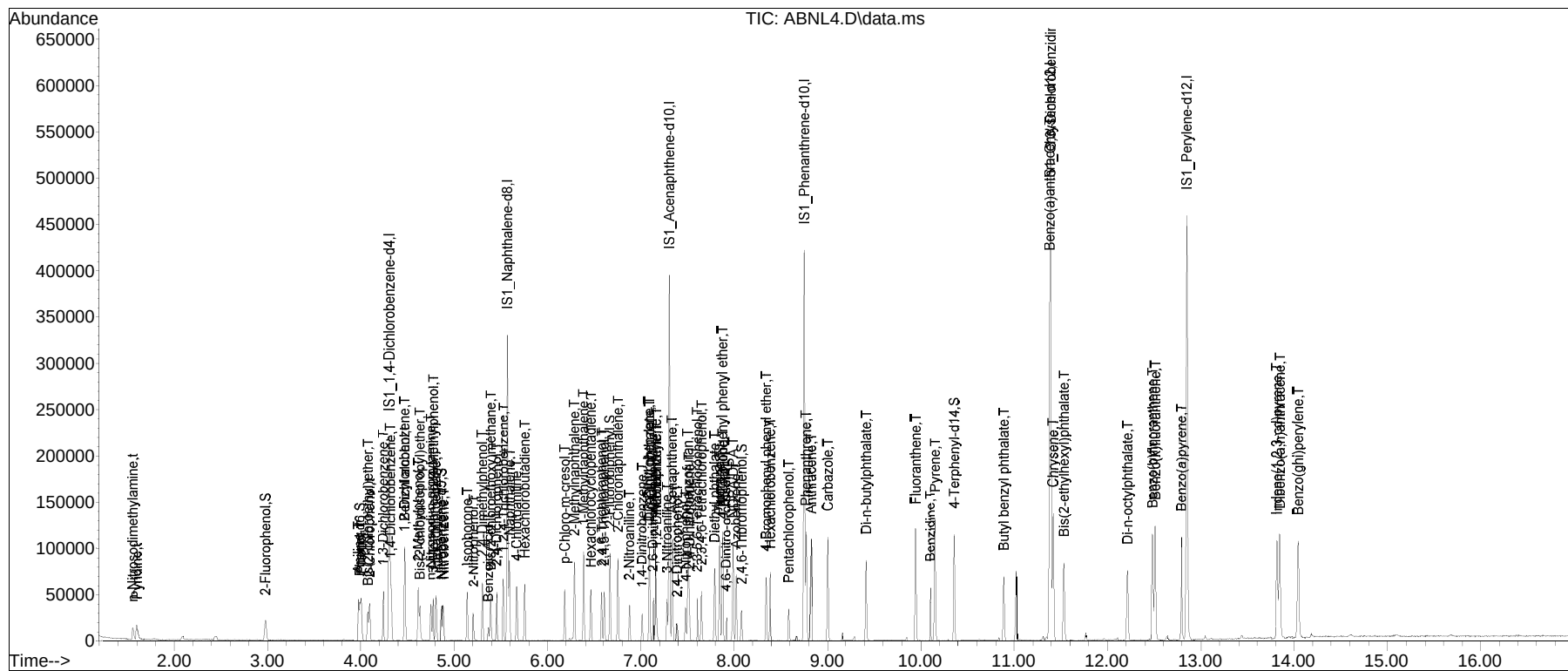
Quantitation Report

(QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL4.D
Acq On : 27 Aug 2025 10:07 pm
Operator : SV106:smz
Sample : IL7,32,,ABNL1 Lot# 11890
Misc : WG2108428,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

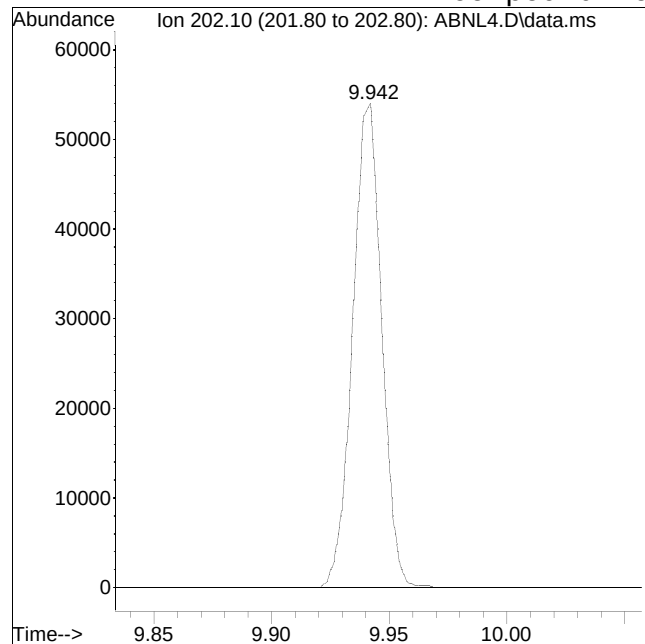
Sub List : ABNica\827ABNV100\2500275CAL\AP9L6.D•



Manual Integration Report

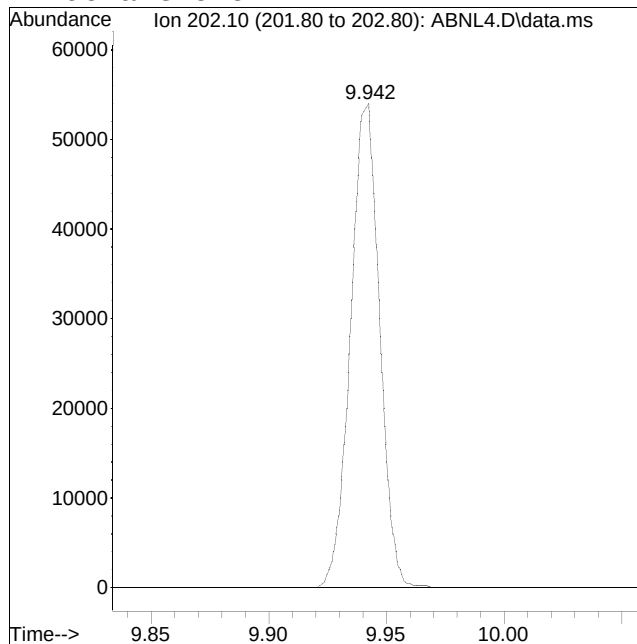
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL4.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:07 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11890 Quant Date : 8/28/2025 10:25 am

Compound #93: Fluoranthene



Original Peak Response = 46326

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

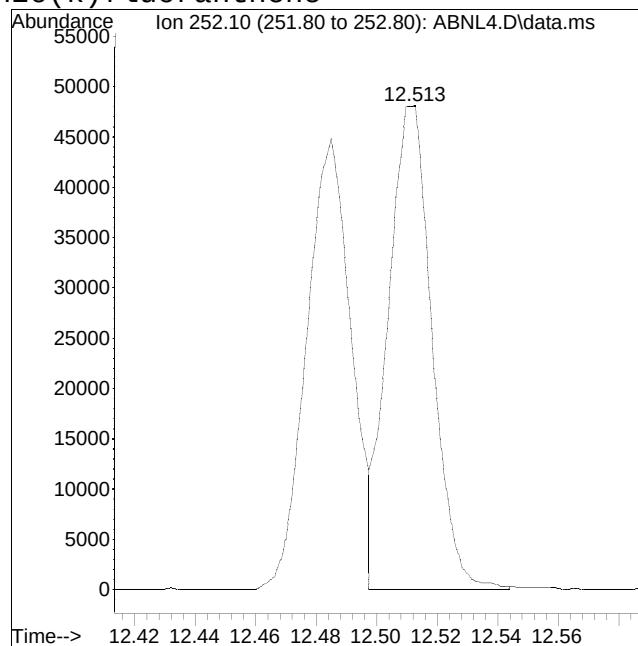
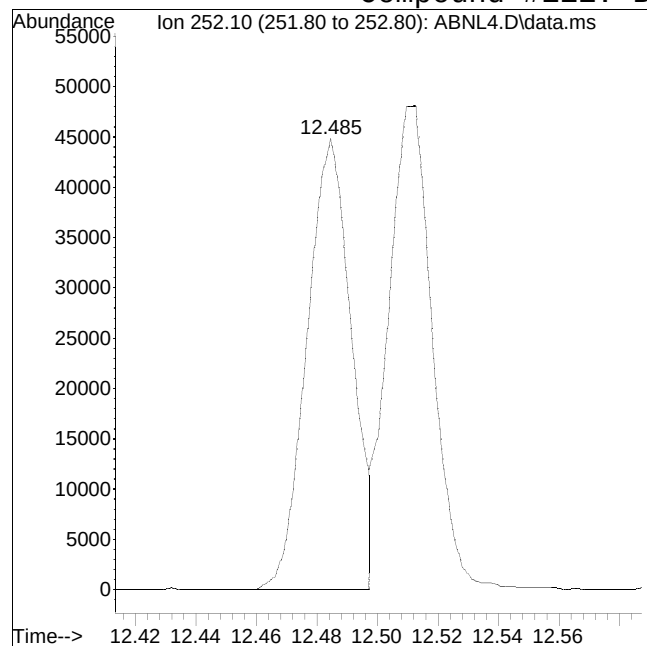


Manual Peak Response = 46320 M3

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL4.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:07 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11890 Quant Date : 8/28/2025 10:25 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 46355

Manual Peak Response = 48092 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL3.D
 Acq On : 27 Aug 2025 10:28 pm
 Operator : SV106:smz
 Sample : IL8,32,,ABNL0.5 Lot# 11891
 Misc : WG2108428,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:24:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	32913	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	96.83%		
35) IS1_Naphthalene-d8	5.572	136	128086	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	94.80%		
63) IS1_Acenaphthene-d10	7.307	164	73377	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	91.55%		
88) IS1_Phenanthrene-d10	8.752	188	141605	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	91.50%		
104) IS1_Chrysene-d12	11.391	240	140335	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	89.47%		
113) IS1_Perylene-d12	12.851	264	156713	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	95.01%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	4118	0.453	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	22.65%		
7) Phenol-d6	3.993	99	5313	0.490	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	24.50%		
19) Nitrobenzene-d5	4.867	82	4728	0.469	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	46.90%		
46) 2-Fluorobiphenyl	6.673	172	12749	0.485	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	48.50%		
79) 2,4,6-Tribromophenol	8.077	330	1596	0.449	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	22.45%		
96) 4-Terphenyl-d14	10.359	244	16587	0.477	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	47.70%		
Target Compounds						
2) n-Nitrosodimethylamine	1.557	74	2668	0.491	ug/ml#	67
3) Pyridine	1.603	79	4463M1	0.480	ug/ml	
5) Aniline	3.975	93	6496	0.454	ug/ml	96
6) 2-Chlorophenol	4.093	128	5137	0.469	ug/ml#	90
8) Phenol	4.006	94	5768	0.486	ug/ml	94
9) Bis(2-chloroethyl)ether	4.074	93	4747	0.505	ug/ml	86
10) 1,3-Dichlorobenzene	4.245	146	6579	0.500	ug/ml	97
11) 1,4-Dichlorobenzene	4.320	146	6896	0.513	ug/ml	97
12) 1,2-Dichlorobenzene	4.472	146	6610	0.511	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL3.D
 Acq On : 27 Aug 2025 10:28 pm
 Operator : SV106:smz
 Sample : IL8,32,,ABNL0.5 Lot# 11891
 Misc : WG2108428,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:24:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	3733	0.470	ug/ml	93
14) Bis(2-chloroisopropyl)...	4.634	45	7711	0.502	ug/ml#	72
15) 2-Methylphenol	4.615	108	4449	0.490	ug/ml	100
16) Hexachloroethane	4.808	117	2438	0.492	ug/ml#	75
17) n-Nitrosodi-n-propylamine	4.752	70	2892	0.432	ug/ml#	90
18) 3-Methylphenol/4-Methy...	4.777	108	4504	0.454	ug/ml#	97
20) Nitrobenzene	4.885	77	5038	0.486	ug/ml#	95
21) Isophorone	5.137	82	8684	0.460	ug/ml#	91
22) 2-Nitrophenol	5.209	139	2196	0.417	ug/ml#	76
23) 2,4-Dimethylphenol	5.302	107	4597	0.439	ug/ml	91
24) Bis(2-chloroethoxy)met...	5.389	93	6140	0.483	ug/ml#	95
25) 2,4-Dichlorophenol	5.454	162	4338	0.451	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.529	180	5399	0.478	ug/ml	95
36) Naphthalene	5.594	128	17375	0.502	ug/ml	99
37) Benzoic Acid	5.361	105	1465	0.910	ug/ml	93
38) 4-Chloroaniline	5.675	65	1813	0.484	ug/ml#	61
39) Hexachlorobutadiene	5.756	225	3256	0.507	ug/ml	96
40) p-Chloro-m-cresol	6.191	107	4253	0.468	ug/ml	99
41) 2-Methylnaphthalene	6.287	142	9710	0.473	ug/ml	93
42) 1-Methylnaphthalene	6.380	115	3643	0.501	ug/ml	93
43) Hexachlorocyclopentadiene	6.464	237	3701	0.455	ug/ml#	95
44) 2,4,6-Trichlorophenol	6.585	196	3152	0.461	ug/ml	95
45) 2,4,5-Trichlorophenol	6.610	196	3154	0.411	ug/ml	95
47) 2-Chloronaphthalene	6.760	162	11439	0.491	ug/ml	96
48) 2-Nitroaniline	6.878	138	2723	0.413	ug/ml#	83
49) 1,4-Dinitrobenzene	7.018	168	1152	0.371	ug/ml	85
50) 1,3-Dinitrobenzene	7.089	168	1424	0.398	ug/ml#	1
51) Dimethyl phthalate	7.092	163	12588	0.459	ug/ml#	96
52) Acenaphthylene	7.160	152	17344	0.463	ug/ml	98
53) 2,6-Dinitrotoluene	7.129	165	2113	0.395	ug/ml#	83
54) 1,2-Dinitrobenzene	7.167	168	857	0.368	ug/ml#	1
64) 3-Nitroaniline	7.285	138	2624	0.419	ug/ml#	84
65) Acenaphthene	7.335	154	10128	0.486	ug/ml	86
66) 2,4-Dinitrophenol	7.387	184	914	0.301	ug/ml#	25
67) Dibenzofuran	7.509	168	16488	0.487	ug/ml	96
68) 2,4-Dinitrotoluene	7.518	165	3025	0.429	ug/ml	95
69) 4-Nitrophenol	7.484	65	1976	0.452	ug/ml	85
70) 2,3,5,6-Tetrachlorophenol	7.605	232	2580	0.414	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL3.D
 Acq On : 27 Aug 2025 10:28 pm
 Operator : SV106:smz
 Sample : IL8,32,,ABNL0.5 Lot# 11891
 Misc : WG2108428,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:24:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	2792	0.461	ug/ml	90
72)	Diethyl phthalate	7.791	149	12899	0.464	ug/ml	99
73)	Fluorene	7.844	166	12862	0.485	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	6214	0.492	ug/ml	92
75)	4-Nitroaniline	7.875	138	2572	0.416	ug/ml	85
76)	4,6-Dinitro-o-cresol	7.913	198	1361	0.347	ug/ml#	67
77)	NDPA/DPA	7.990	169	10268	0.463	ug/ml	92
78)	Azobenzene	8.021	77	11015	0.472	ug/ml	98
80)	4-Bromophenyl phenyl e...	8.345	248	3691	0.474	ug/ml#	88
81)	Hexachlorobenzene	8.385	284	4218	0.484	ug/ml#	86
82)	Pentachlorophenol	8.587	266	1511	0.295	ug/ml	90
89)	Phenanthrene	8.777	178	20869	0.490	ug/ml	99
90)	Anthracene	8.823	178	19598	0.470	ug/ml	99
91)	Carbazole	9.000	167	18163	0.475	ug/ml	99
92)	Di-n-butylphthalate	9.414	149	18944	0.423	ug/ml	97
93)	Fluoranthene	9.942	202	21374M3	0.466	ug/ml	
94)	Benzidine	10.104	184	8865	0.301	ug/ml#	97
95)	Pyrene	10.154	202	23126	0.472	ug/ml	98
97)	Butyl benzyl phthalate	10.890	149	7629	0.407	ug/ml	85
105)	Benzo(a)anthracene	11.381	228	22611	0.478	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.391	252	7188	0.441	ug/ml	98
107)	Chrysene	11.415	228	23647	0.504	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	12024	0.405	ug/ml#	89
109)	Di-n-octylphthalate	12.211	149	18152	0.365	ug/ml#	73
110)	Benzo(b)fluoranthene	12.482	252	22316M3	0.498	ug/ml	
111)	Benzo(k)fluoranthene	12.510	252	21176	0.463	ug/ml	99
112)	Benzo(a)pyrene	12.795	252	19740	0.470	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	13.812	276	19422M3	0.435	ug/mL	
115)	Dibenzo(a,h)anthracene	13.837	278	21229	0.459	ug/ml	94
116)	Benzo(ghi)perylene	14.036	276	21204	0.465	ug/ml#	92

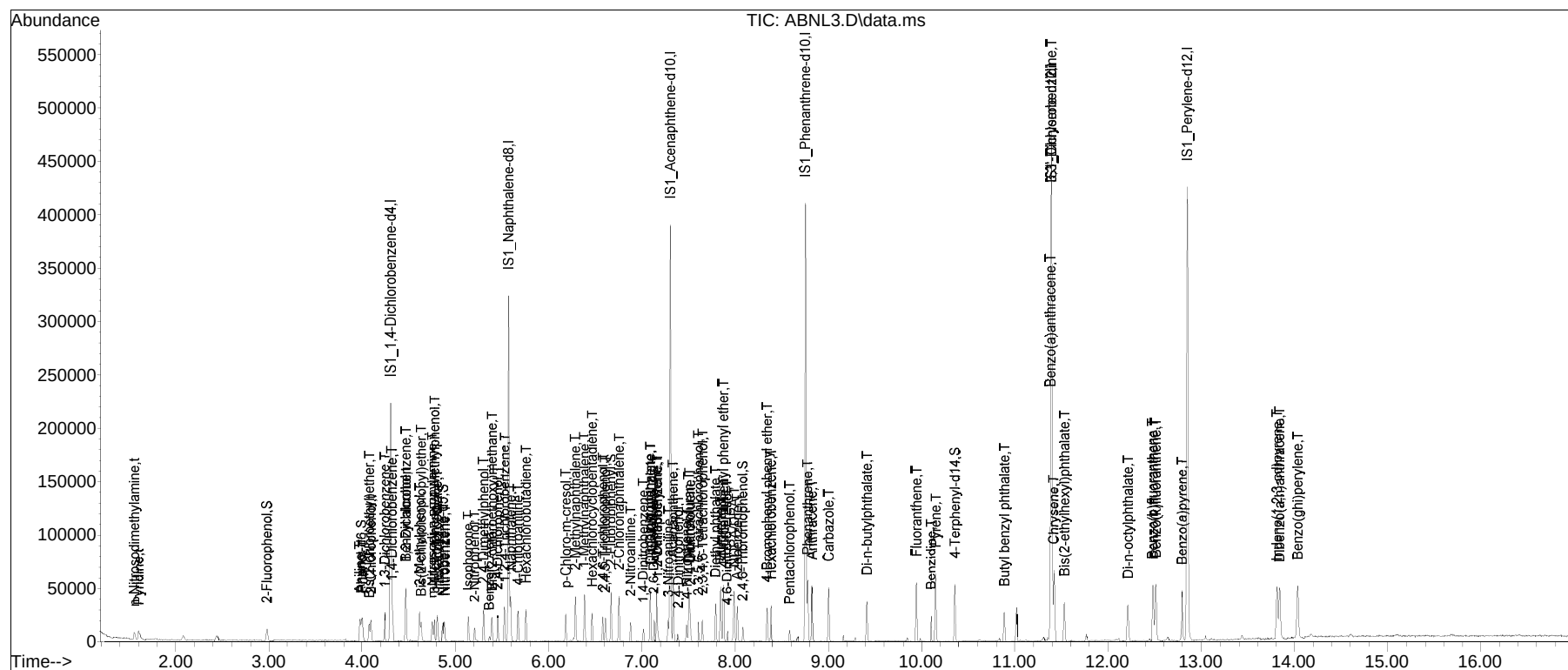
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL3.D
Acq On : 27 Aug 2025 10:28 pm
Operator : SV106:smz
Sample : IL8,32,,ABNL0.5 Lot# 11891
Misc : WG2108428,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:24:10 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

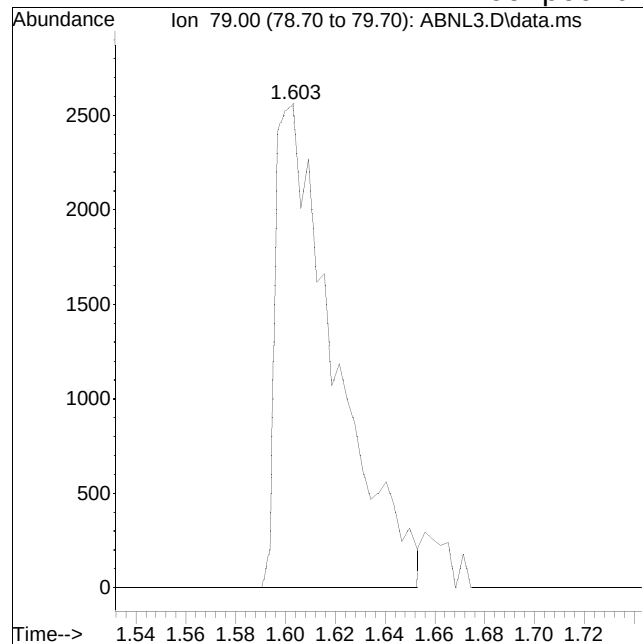
Sub List : ABNica\827ABNV106\2500275CAL\AP9L6.D.



Manual Integration Report

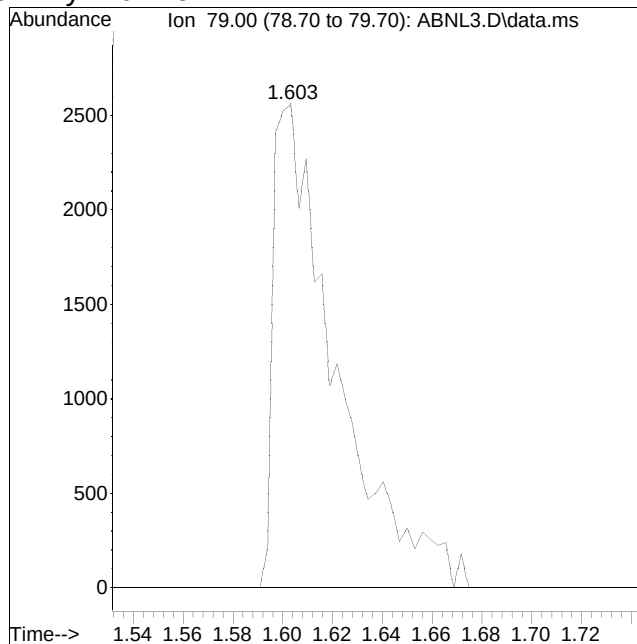
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #3: Pyridine



Original Peak Response = 4240

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

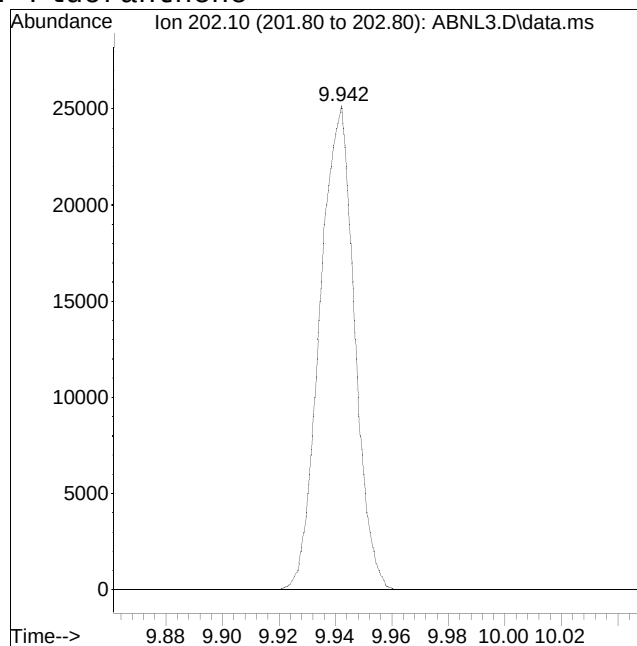
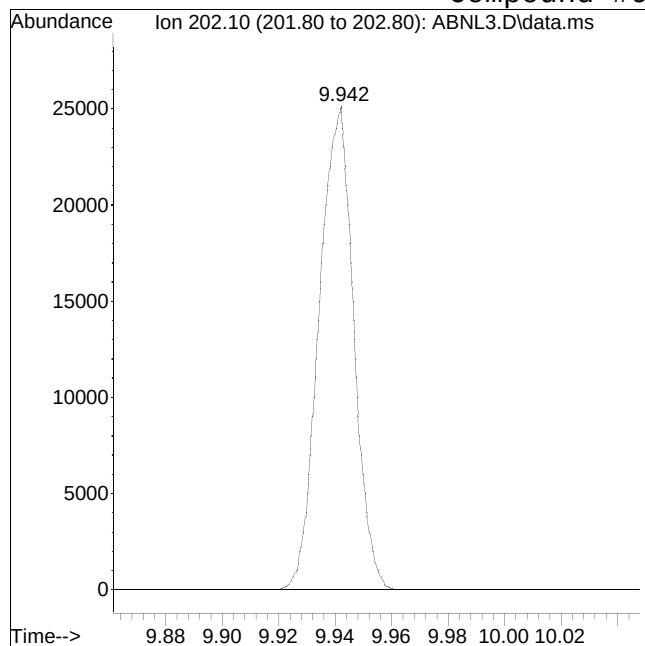


Manual Peak Response = 4463 M1

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #93: Fluoranthene



Original Peak Response = 21374

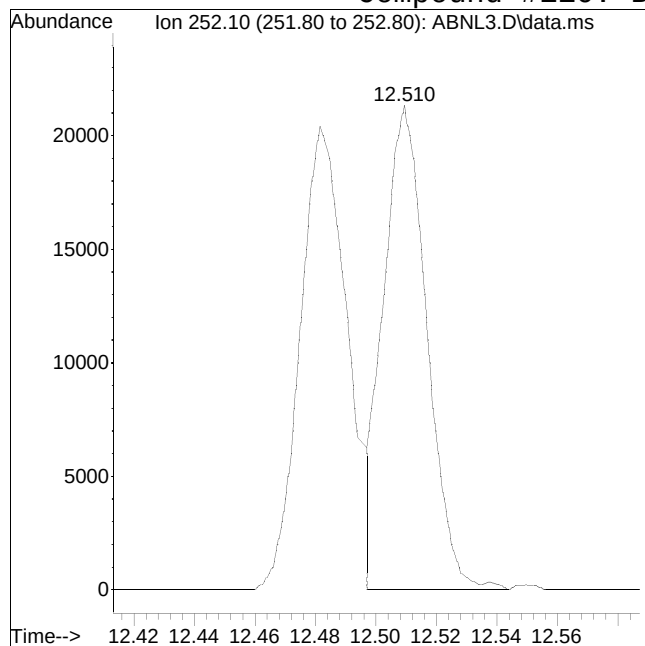
Manual Peak Response = 21374 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

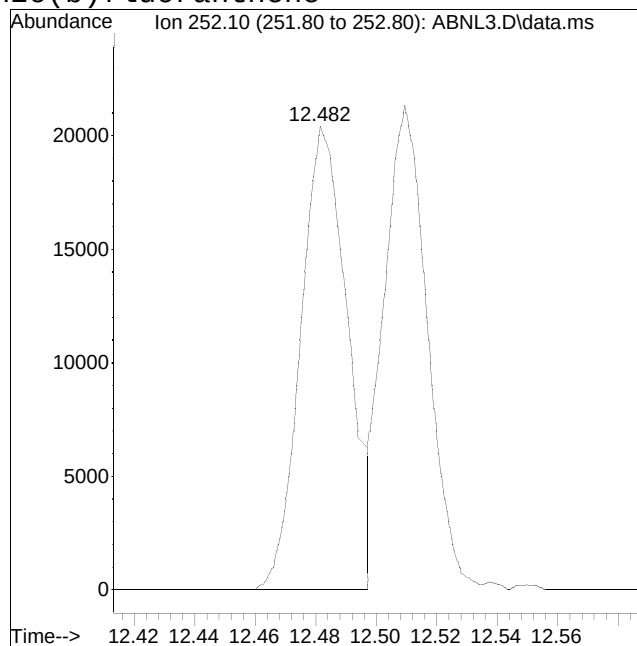
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #110: Benzo(b)fluoranthene



Original Peak Response = 21176

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

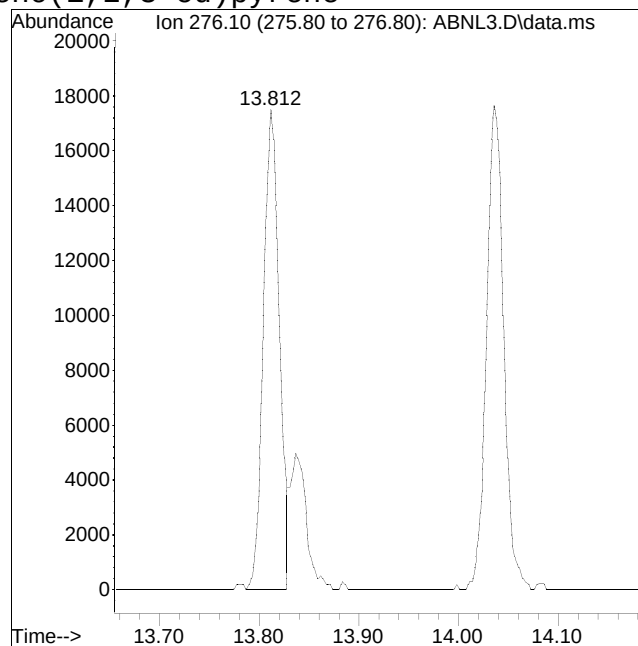
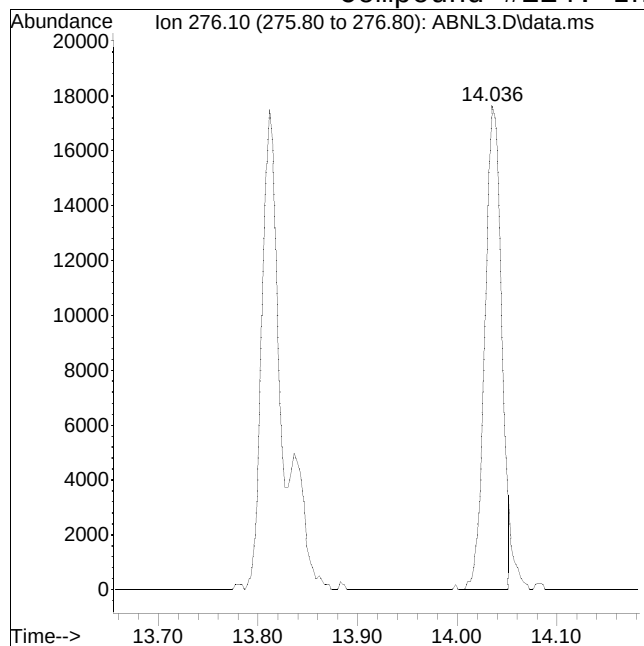


Manual Peak Response = 22316 M3

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 20374

Manual Peak Response = 19422 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL2.D
 Acq On : 27 Aug 2025 10:50 pm
 Operator : SV106:smz
 Sample : IL9,32,,ABNL0.2 Lot# 11892
 Misc : WG2108428,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33315	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	98.01%		
35) IS1_Naphthalene-d8	5.572	136	129159	4.000	ug/ml	# 0.00
Standard Area 1 = 135116			Recovery =	95.59%		
63) IS1_Acenaphthene-d10	7.304	164	74464	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	92.91%		
88) IS1_Phenanthrene-d10	8.752	188	144582	4.000	ug/ml	0.00
Standard Area 1 = 154754			Recovery =	93.43%		
104) IS1_Chrysene-d12	11.391	240	140266	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	89.43%		
113) IS1_Perylene-d12	12.855	264	152427	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	92.42%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.980	112	1700	0.185	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	9.25%#		
7) Phenol-d6	3.994	99	2058	0.187	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	9.35%#		
19) Nitrobenzene-d5	4.867	82	1806	0.177	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	17.70%#		
46) 2-Fluorobiphenyl	6.670	172	5394	0.204	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	20.40%#		
79) 2,4,6-Tribromophenol	8.078	330	567	0.157	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	7.85%#		
96) 4-Terphenyl-d14	10.359	244	6848	0.193	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	19.30%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.563	74	1044	0.190	ug/ml#	76
3) Pyridine	1.613	79	1674	0.178	ug/ml#	72
5) Aniline	3.978	93	2195	0.152	ug/ml#	82
6) 2-Chlorophenol	4.090	128	1899	0.171	ug/ml	92
8) Phenol	4.006	94	2227	0.186	ug/ml	91
9) Bis(2-chloroethyl)ether	4.077	93	1759	0.185	ug/ml	90
10) 1,3-Dichlorobenzene	4.245	146	2775	0.208	ug/ml	94
11) 1,4-Dichlorobenzene	4.323	146	2550	0.187	ug/ml	87
12) 1,2-Dichlorobenzene	4.469	146	2668	0.204	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL2.D
 Acq On : 27 Aug 2025 10:50 pm
 Operator : SV106:smz
 Sample : IL9,32,,ABNL0.2 Lot# 11892
 Misc : WG2108428,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	1530	0.191	ug/ml	90
14) Bis(2-chloroisopropyl)...	4.634	45	3021	0.194	ug/ml#	59
15) 2-Methylphenol	4.615	108	1526	0.166	ug/ml#	80
16) Hexachloroethane	4.805	117	993	0.198	ug/ml#	75
17) n-Nitrosodi-n-propylamine	4.755	70	1209	0.178	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.777	108	1794	0.178	ug/ml#	96
20) Nitrobenzene	4.886	77	1880	0.179	ug/ml#	86
21) Isophorone	5.140	82	3472	0.182	ug/ml#	94
22) 2-Nitrophenol	5.209	139	821	0.154	ug/ml#	31
23) 2,4-Dimethylphenol	5.302	107	1916	0.181	ug/ml	95
24) Bis(2-chloroethoxy)met...	5.389	93	2494	0.194	ug/ml#	89
25) 2,4-Dichlorophenol	5.454	162	1579	0.162	ug/ml#	69
26) 1,2,4-Trichlorobenzene	5.529	180	2213	0.193	ug/ml	91
36) Naphthalene	5.594	128	7189	0.206	ug/ml	99
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	5.672	65	617	0.163	ug/ml#	34
39) Hexachlorobutadiene	5.756	225	1340	0.207	ug/ml	92
40) p-Chloro-m-cresol	6.188	107	1599	0.174	ug/ml#	81
41) 2-Methylnaphthalene	6.287	142	4131	0.200	ug/ml	96
42) 1-Methylnaphthalene	6.381	115	1502	0.205	ug/ml	95
43) Hexachlorocyclopentadiene	6.461	237	1488	0.181	ug/ml#	91
44) 2,4,6-Trichlorophenol	6.586	196	1065	0.155	ug/ml#	81
45) 2,4,5-Trichlorophenol	6.614	196	1293	0.167	ug/ml#	78
47) 2-Chloronaphthalene	6.760	162	4798	0.204	ug/ml	97
48) 2-Nitroaniline	6.875	138	1040	0.156	ug/ml	87
49) 1,4-Dinitrobenzene	7.018	168	458M3	0.146	ug/ml	
50) 1,3-Dinitrobenzene	7.089	168	582	0.161	ug/ml#	1
51) Dimethyl phthalate	7.089	163	5325	0.192	ug/ml#	96
52) Acenaphthylene	7.161	152	6866	0.182	ug/ml	98
53) 2,6-Dinitrotoluene	7.133	165	844	0.156	ug/ml#	84
54) 1,2-Dinitrobenzene	7.170	168	350M3	0.149	ug/ml	
64) 3-Nitroaniline	7.282	138	1013	0.159	ug/ml#	58
65) Acenaphthene	7.335	154	4137	0.196	ug/ml	83
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.509	168	7190	0.209	ug/ml	94
68) 2,4-Dinitrotoluene	7.521	165	1129	0.158	ug/ml	98
69) 4-Nitrophenol	7.487	65	655	0.148	ug/ml#	58
70) 2,3,5,6-Tetrachlorophenol	7.605	232	875	0.138	ug/ml#	73

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL2.D
 Acq On : 27 Aug 2025 10:50 pm
 Operator : SV106:smz
 Sample : IL9,32,,ABNL0.2 Lot# 11892
 Misc : WG2108428,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.646	232	855	0.139	ug/ml#	68
72)	Diethyl phthalate	7.795	149	5540	0.196	ug/ml	96
73)	Fluorene	7.845	166	5409	0.201	ug/ml	97
74)	4-Chlorophenyl phenyl ...	7.869	204	2478	0.193	ug/ml	93
75)	4-Nitroaniline	7.876	138	1095	0.175	ug/ml#	69
76)	4,6-Dinitro-o-cresol	7.916	198	556	0.140	ug/ml#	31
77)	NDPA/DPA	7.987	169	4251	0.189	ug/ml	93
78)	Azobenzene	8.022	77	4329	0.183	ug/ml#	90
80)	4-Bromophenyl phenyl e...	8.342	248	1608	0.204	ug/ml#	82
81)	Hexachlorobenzene	8.385	284	1817	0.205	ug/ml#	86
82)	Pentachlorophenol	8.584	266	482M2	0.093	ug/ml	
89)	Phenanthrene	8.774	178	9129	0.210	ug/ml	99
90)	Anthracene	8.824	178	8564	0.201	ug/ml	99
91)	Carbazole	9.001	167	7393	0.189	ug/ml	98
92)	Di-n-butylphthalate	9.411	149	8012	0.175	ug/ml#	93
93)	Fluoranthene	9.939	202	9113	0.195	ug/ml#	93
94)	Benzidine	10.104	184	1668	0.055	ug/ml#	68
95)	Pyrene	10.154	202	9873	0.198	ug/ml	98
97)	Butyl benzyl phthalate	10.887	149	2946	0.154	ug/ml#	81
105)	Benzo(a)anthracene	11.382	228	9225	0.195	ug/ml	97
106)	3,3'-Dichlorobenzidine	11.391	252	2673	0.164	ug/ml	93
107)	Chrysene	11.419	228	10123	0.216	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.531	149	4573	0.154	ug/ml#	89
109)	Di-n-octylphthalate	12.208	149	6756	0.136	ug/ml#	72
110)	Benzo(b)fluoranthene	12.485	252	8708M3	0.194	ug/ml	
111)	Benzo(k)fluoranthene	12.510	252	8705	0.191	ug/ml	96
112)	Benzo(a)pyrene	12.793	252	7548	0.180	ug/ml	95
114)	Indeno(1,2,3-cd)pyrene	13.812	276	7575	0.174	ug/mL	92
115)	Dibenzo(a,h)anthracene	13.840	278	8481	0.188	ug/ml#	92
116)	Benzo(ghi)perylene	14.039	276	8549	0.193	ug/ml#	90

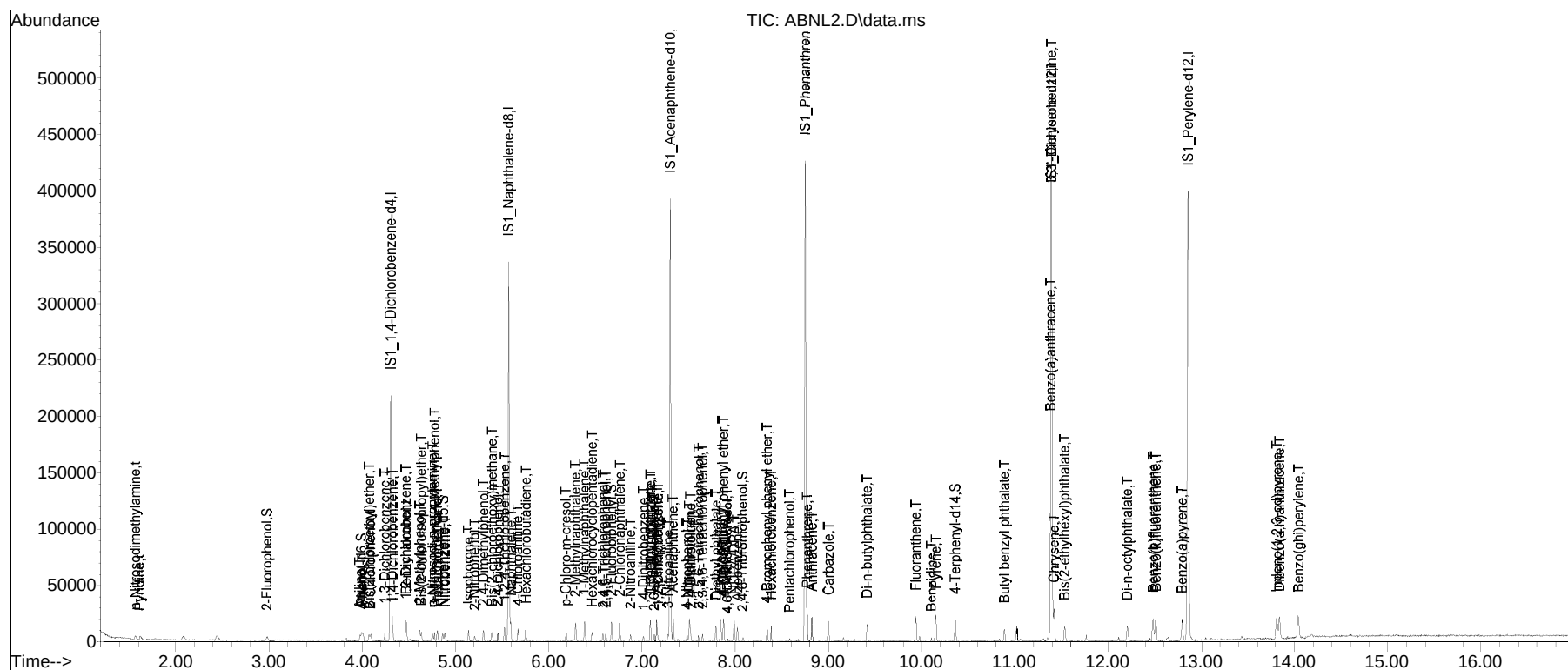
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL2.D
 Acq On : 27 Aug 2025 10:50 pm
 Operator : SV106:smz
 Sample : IL9,32,,ABNL0.2 Lot# 11892
 Misc : WG2108428,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

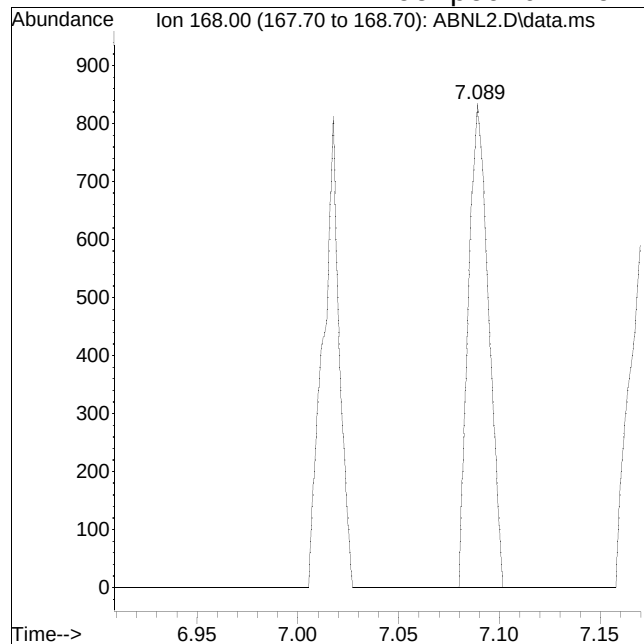
Sub List : ~~ABNL2\8270\SV106\250827ICAL\AP9L6.D~~•



Manual Integration Report

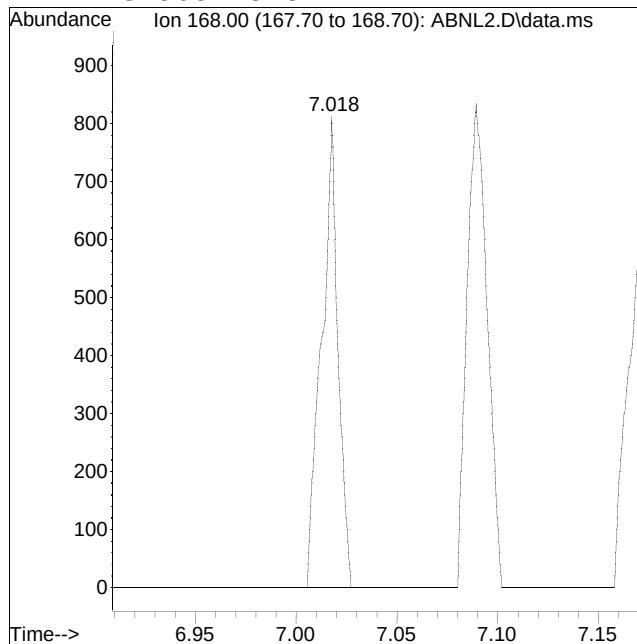
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 582

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

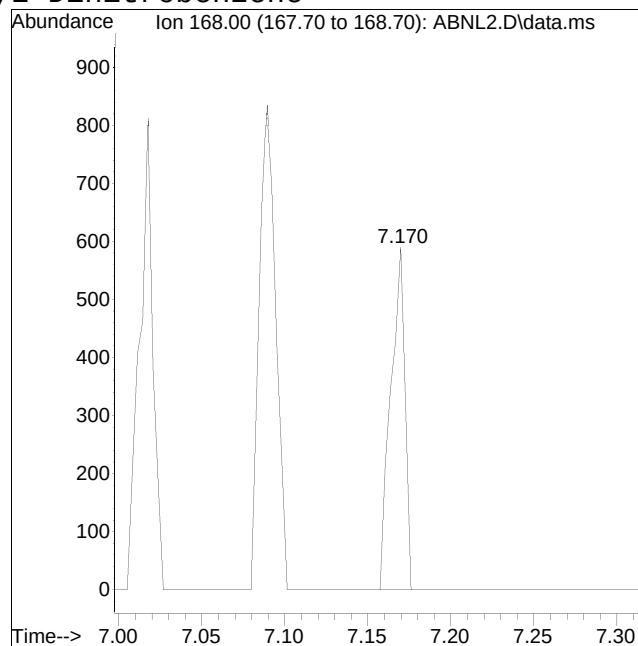
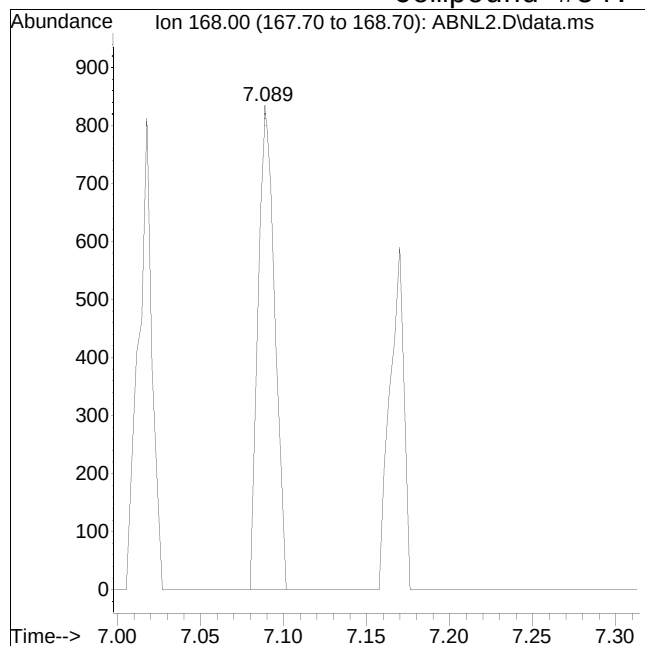


Manual Peak Response = 458 M3

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 582

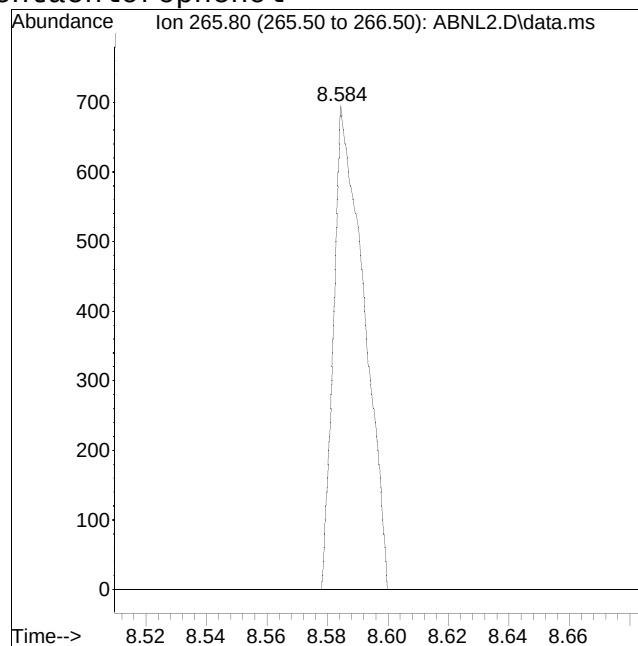
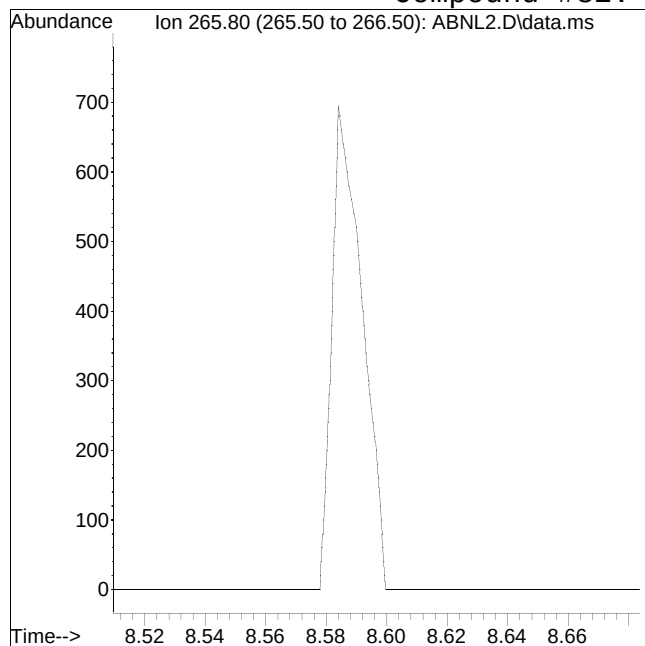
Manual Peak Response = 350 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #82: Pentachlorophenol



Original Peak Response = 0

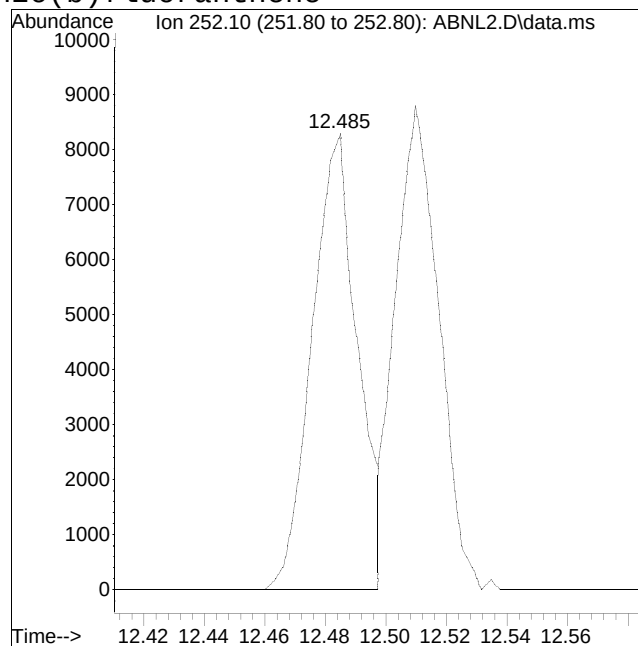
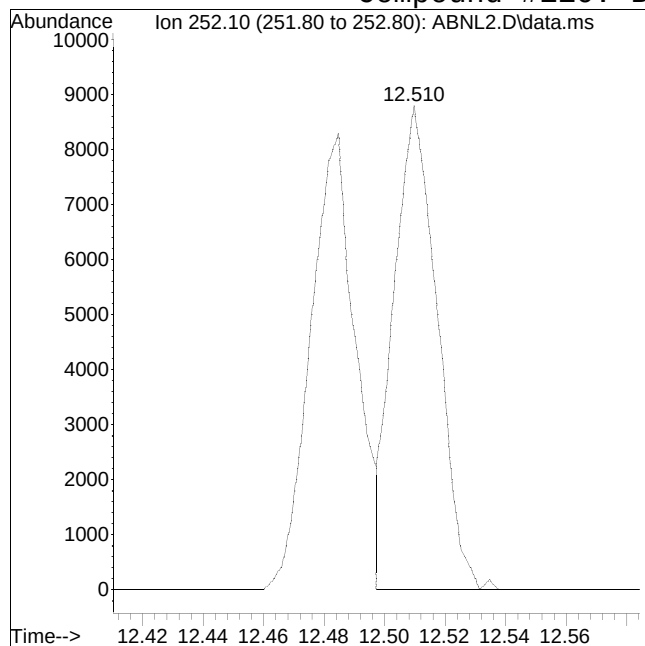
Manual Peak Response = 482 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #110: Benzo(b)fluoranthene



Original Peak Response = 8705

Manual Peak Response = 8708 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL1.D
 Acq On : 27 Aug 2025 11:11 pm
 Operator : SV106:smz
 Sample : IL10,32,,ABNL0.1 Lot# 11893
 Misc : WG2108428,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 10:34:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33092	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	97.36%		
35) IS1_Naphthalene-d8	5.572	136	126528	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	93.64%		
63) IS1_Acenaphthene-d10	7.307	164	71183	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	88.82%		
88) IS1_Phenanthrene-d10	8.752	188	141603	4.000	ug/ml	0.00
Standard Area 1 = 154754			Recovery =	91.50%		
104) IS1_Chrysene-d12	11.391	240	138097	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	88.05%		
113) IS1_Perylene-d12	12.851	264	148869	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	90.26%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	827	0.090	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	4.50%#		
7) Phenol-d6	3.993	99	933	0.086	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	4.30%#		
19) Nitrobenzene-d5	4.867	82	916	0.090	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	9.00%#		
46) 2-Fluorobiphenyl	6.673	172	2668	0.103	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	10.30%#		
79) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/ml	
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	10.356	244	3986	0.115	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	11.50%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.566	74	517	0.095	ug/ml#	1
3) Pyridine	1.625	79	752	0.080	ug/ml#	1
5) Aniline	3.978	93	718	0.050	ug/ml#	41
6) 2-Chlorophenol	4.093	128	1019	0.092	ug/ml#	30
8) Phenol	4.006	94	1037	0.087	ug/ml#	37
9) Bis(2-chloroethyl)ether	4.074	93	891	0.094	ug/ml#	83
10) 1,3-Dichlorobenzene	4.245	146	1258	0.095	ug/ml	95
11) 1,4-Dichlorobenzene	4.323	146	1373M3	0.102	ug/ml	
12) 1,2-Dichlorobenzene	4.469	146	1287M3	0.099	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL1.D
 Acq On : 27 Aug 2025 11:11 pm
 Operator : SV106:smz
 Sample : IL10,32,,ABNL0.1 Lot# 11893
 Misc : WG2108428,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 10:34:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.478	79	655	0.082	ug/ml#	53
14) Bis(2-chloroisopropyl)...	4.631	45	1546	0.100	ug/ml#	72
15) 2-Methylphenol	4.615	108	846	0.093	ug/ml#	86
16) Hexachloroethane	4.811	117	406M2	0.082	ug/ml	
17) n-Nitrosodi-n-propylamine	4.758	70	591	0.088	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.780	108	994	0.100	ug/ml#	90
20) Nitrobenzene	4.885	77	922	0.088	ug/ml#	39
21) Isophorone	5.140	82	1683	0.089	ug/ml#	65
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	5.302	107	945	0.090	ug/ml#	69
24) Bis(2-chloroethoxy)met...	5.389	93	1151	0.090	ug/ml#	50
25) 2,4-Dichlorophenol	5.454	162	818	0.085	ug/ml#	25
26) 1,2,4-Trichlorobenzene	5.529	180	1110	0.098	ug/ml#	85
36) Naphthalene	5.594	128	3422	0.100	ug/ml#	54
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	5.672	65	317M2	0.086	ug/ml	
39) Hexachlorobutadiene	5.756	225	563	0.089	ug/ml#	18
40) p-Chloro-m-cresol	6.191	107	879	0.098	ug/ml#	85
41) 2-Methylnaphthalene	6.290	142	2129	0.105	ug/ml	96
42) 1-Methylnaphthalene	6.383	115	662	0.092	ug/ml#	70
43) Hexachlorocyclopentadiene	6.464	237	767	0.095	ug/ml#	27
44) 2,4,6-Trichlorophenol	6.586	196	507	0.075	ug/ml#	77
45) 2,4,5-Trichlorophenol	6.610	196	707	0.093	ug/ml#	72
47) 2-Chloronaphthalene	6.760	162	2198	0.096	ug/ml	96
48) 2-Nitroaniline	6.875	138	491M2	0.075	ug/ml	
49) 1,4-Dinitrobenzene	0.000		0	N.D.		
50) 1,3-Dinitrobenzene	0.000		0	N.D.		
51) Dimethyl phthalate	7.092	163	2637	0.097	ug/ml#	77
52) Acenaphthylene	7.161	152	3514	0.095	ug/ml#	86
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
54) 1,2-Dinitrobenzene	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
65) Acenaphthene	7.335	154	2227	0.110	ug/ml	98
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.512	168	3406	0.104	ug/ml	97
68) 2,4-Dinitrotoluene	7.521	165	555	0.081	ug/ml#	64
69) 4-Nitrophenol	7.487	65	444M3	0.105	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL1.D
 Acq On : 27 Aug 2025 11:11 pm
 Operator : SV106:smz
 Sample : IL10,32,,ABNL0.1 Lot# 11893
 Misc : WG2108428,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 10:34:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	449M2	0.076	ug/ml	
72)	Diethyl phthalate	7.791	149	2862	0.106	ug/ml#	87
73)	Fluorene	7.844	166	2804	0.109	ug/ml#	96
74)	4-Chlorophenyl phenyl ...	7.869	204	1357	0.111	ug/ml#	64
75)	4-Nitroaniline	7.875	138	497M2	0.083	ug/ml	
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
77)	NDPA/DPA	7.990	169	2207	0.103	ug/ml	93
78)	Azobenzene	8.021	77	2235	0.099	ug/ml#	56
80)	4-Bromophenyl phenyl e...	8.342	248	826	0.109	ug/ml#	82
81)	Hexachlorobenzene	8.385	284	927	0.110	ug/ml#	33
82)	Pentachlorophenol	0.000		0	N.D.		
89)	Phenanthrene	8.774	178	4852	0.114	ug/ml	96
90)	Anthracene	8.826	178	4315	0.103	ug/ml	98
91)	Carbazole	9.001	167	3550	0.093	ug/ml#	86
92)	Di-n-butylphthalate	9.414	149	4129	0.092	ug/ml#	79
93)	Fluoranthene	9.939	202	4829	0.105	ug/ml	96
94)	Benzidine	10.104	184	963	0.033	ug/ml#	68
95)	Pyrene	10.154	202	5130	0.105	ug/ml	97
97)	Butyl benzyl phthalate	10.887	149	1591	0.085	ug/ml#	76
105)	Benzo(a)anthracene	11.381	228	5218	0.112	ug/ml	97
106)	3,3'-Dichlorobenzidine	11.391	252	1335	0.083	ug/ml#	83
107)	Chrysene	11.416	228	5201	0.113	ug/ml	95
108)	Bis(2-ethylhexyl)phtha...	11.531	149	2830	0.097	ug/ml#	84
109)	Di-n-octylphthalate	12.208	149	4051	0.083	ug/ml#	55
110)	Benzo(b)fluoranthene	12.482	252	4469	0.101	ug/ml	97
111)	Benzo(k)fluoranthene	12.510	252	4555	0.101	ug/ml	98
112)	Benzo(a)pyrene	12.792	252	3892	0.094	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	13.812	276	4090M3	0.096	ug/mL	
115)	Dibenzo(a,h)anthracene	13.834	278	4235	0.096	ug/ml	94
116)	Benzo(ghi)perylene	14.033	276	4559	0.105	ug/ml	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

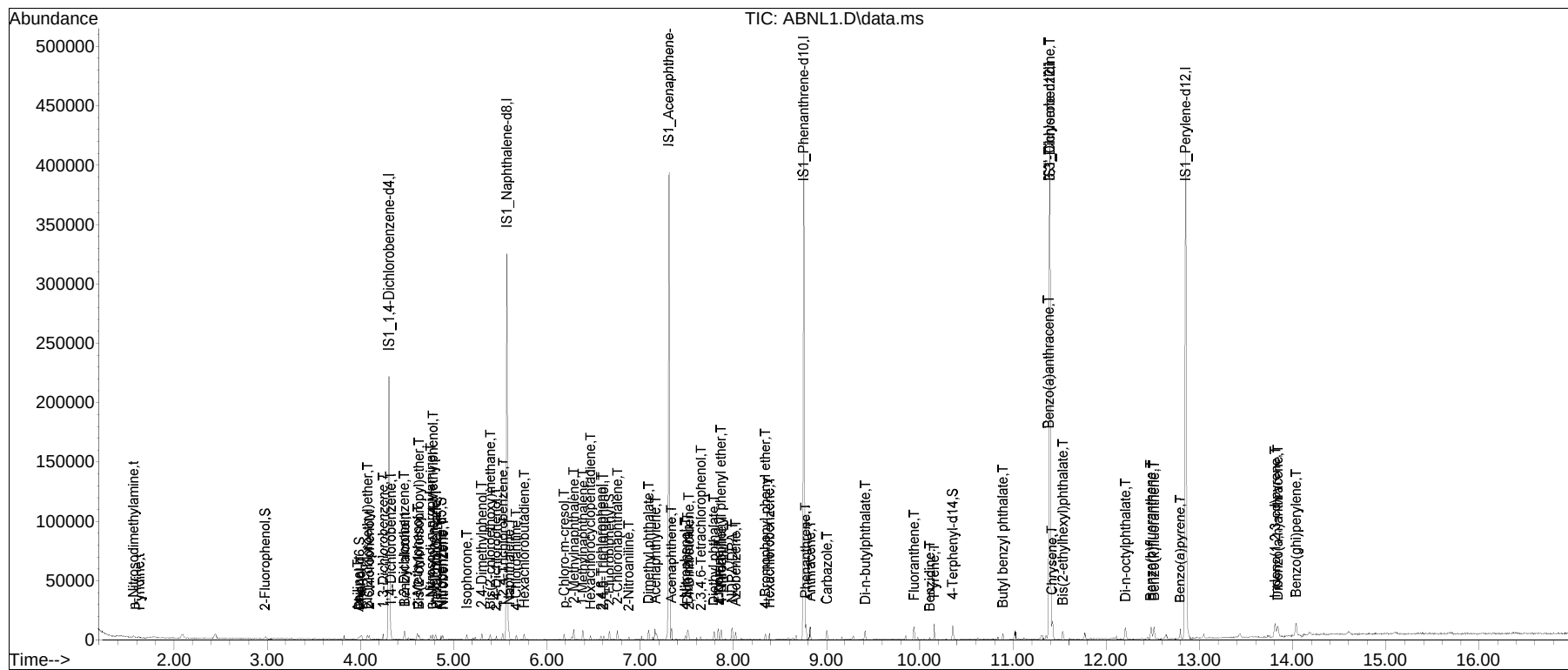
Quantitation Report

(QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL1.D
Acq On : 27 Aug 2025 11:11 pm
Operator : SV106:smz
Sample : IL10,32,,ABNL0.1 Lot# 11893
Misc : WG2108428,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 10:34:38 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

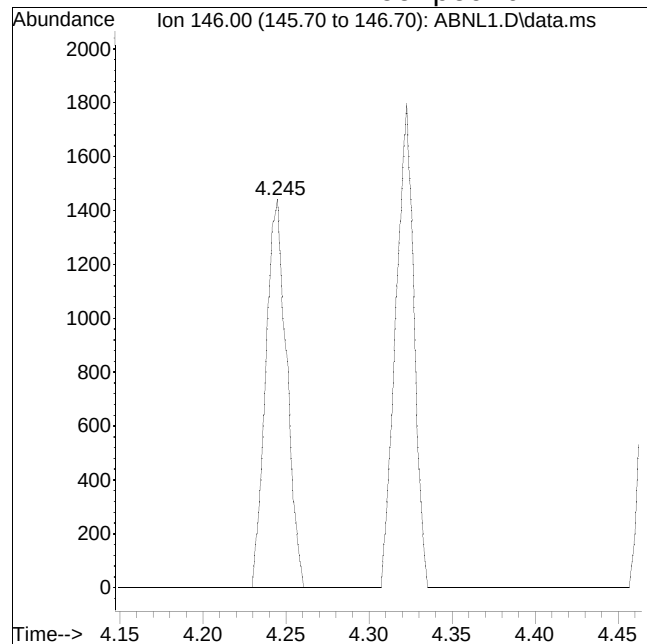
Sub List : ABNica\827ABNV100\2500275CAL\AP9L6.D•



Manual Integration Report

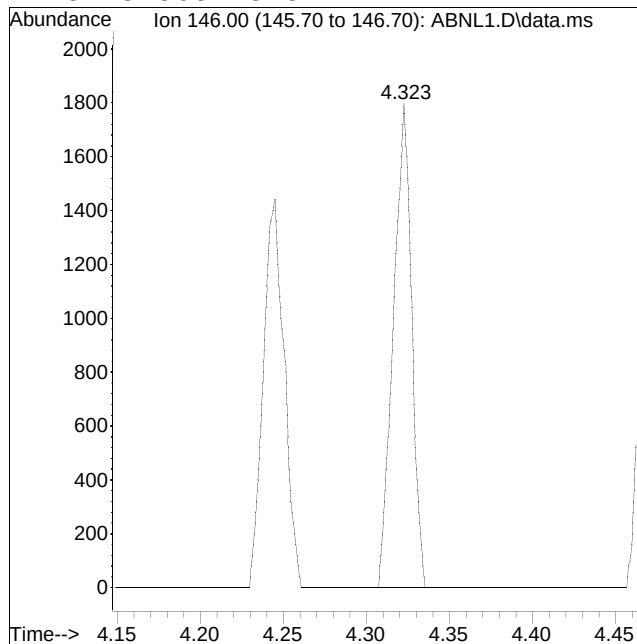
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #11: 1,4-Dichlorobenzene



Original Peak Response = 1258

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

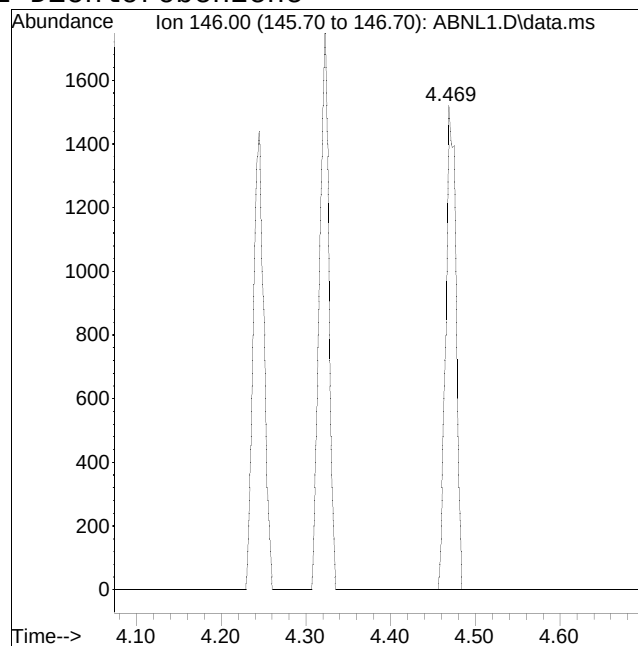
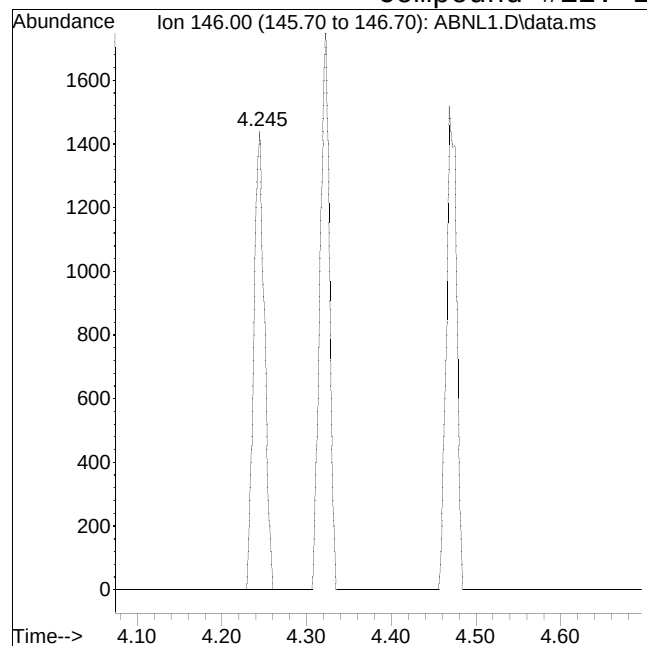


Manual Peak Response = 1373 M3

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #12: 1,2-Dichlorobenzene



Original Peak Response = 1259

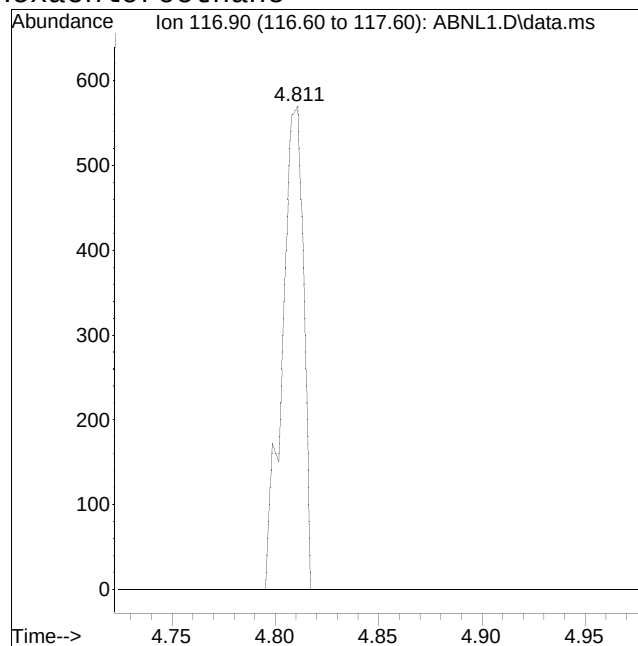
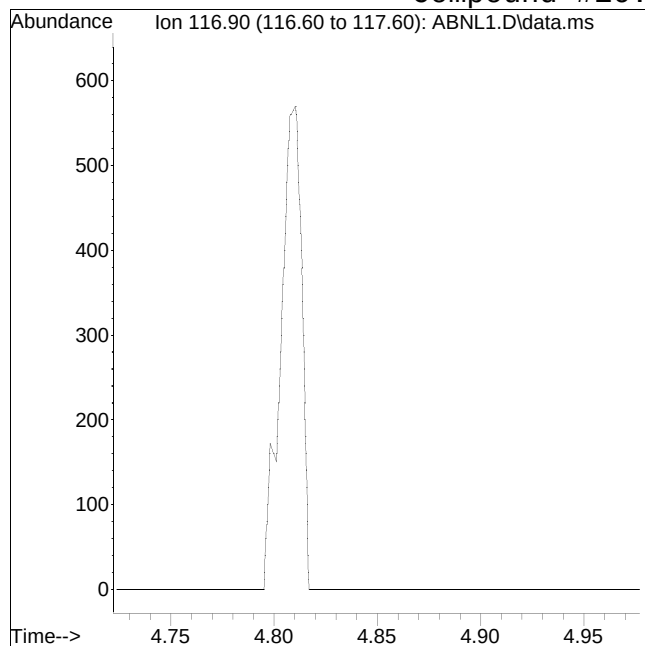
Manual Peak Response = 1287 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #16: Hexachloroethane



Original Peak Response = 0

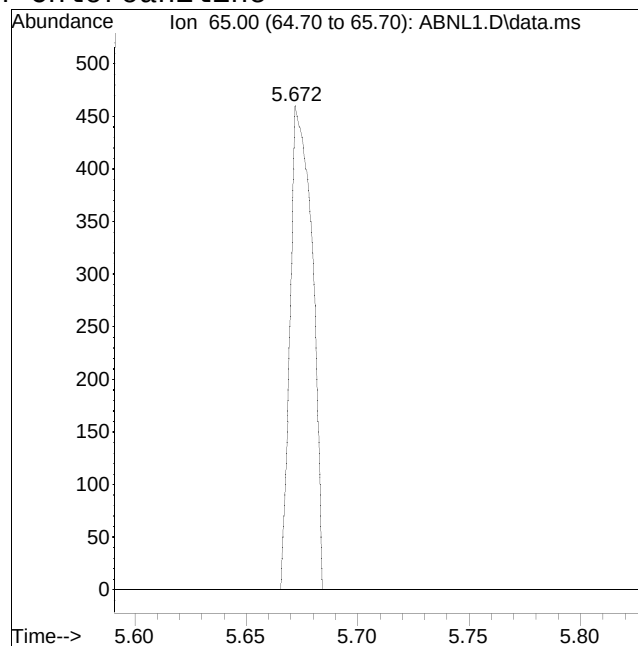
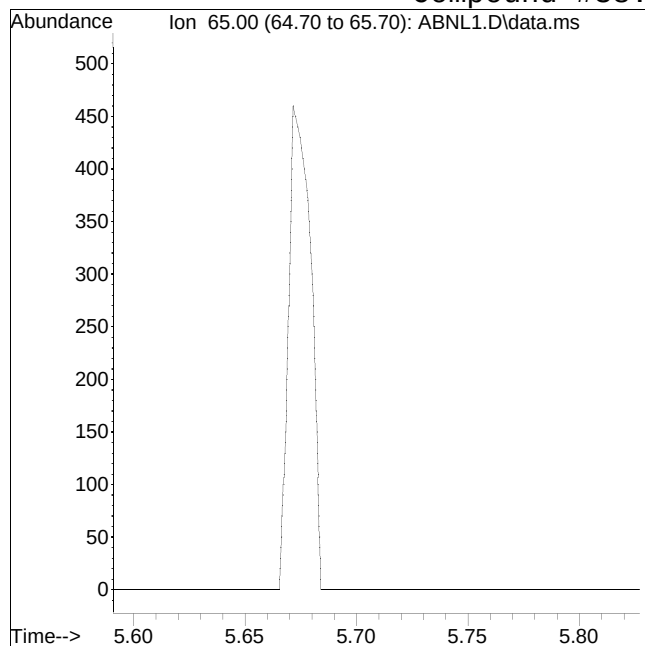
Manual Peak Response = 406 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #38: 4-Chloroaniline



Original Peak Response = 0

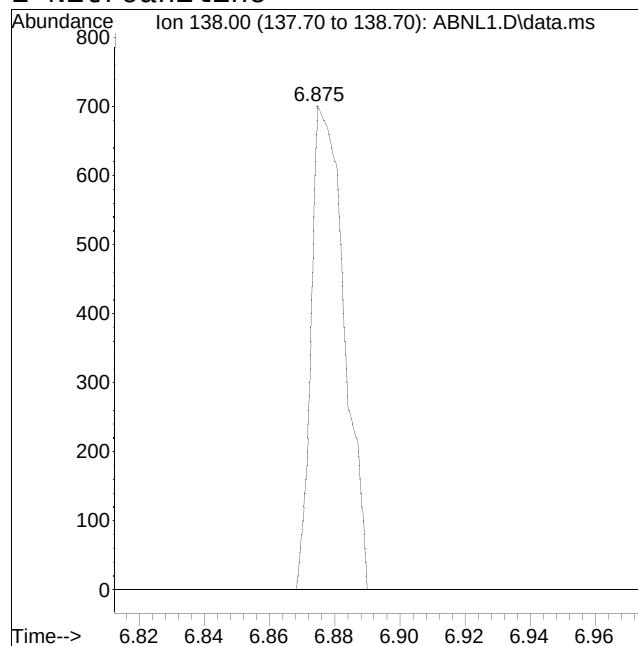
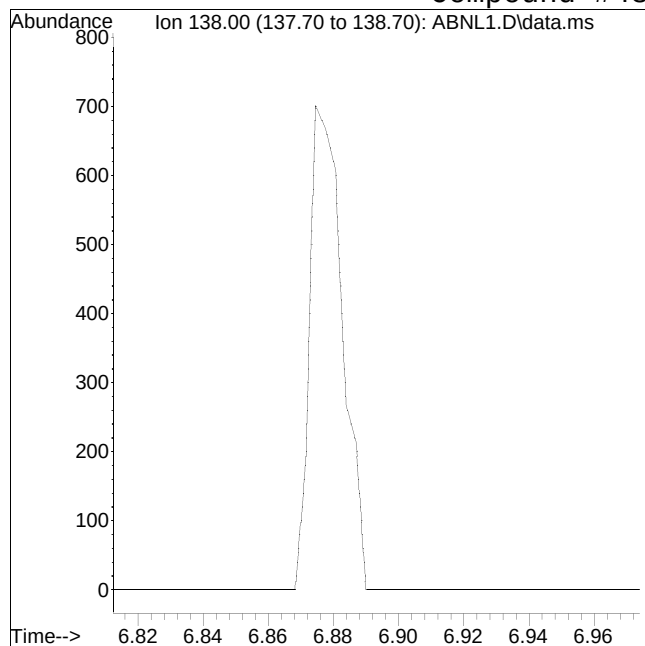
Manual Peak Response = 317 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #48: 2-Nitroaniline



Original Peak Response = 0

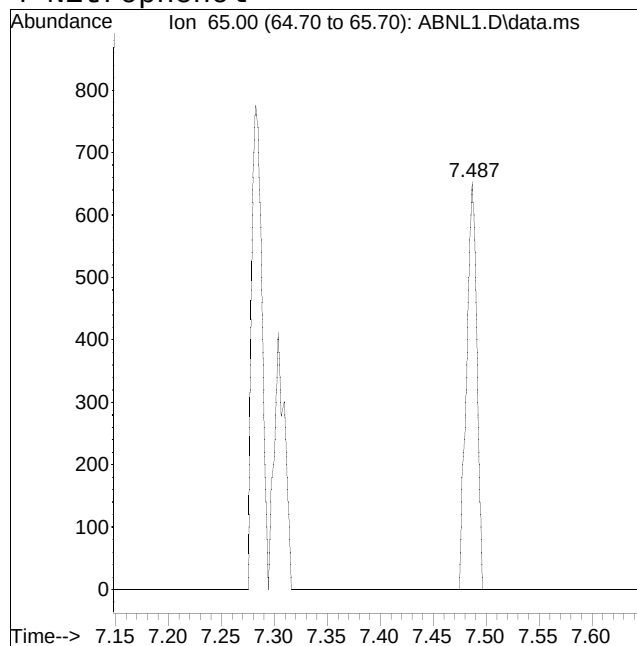
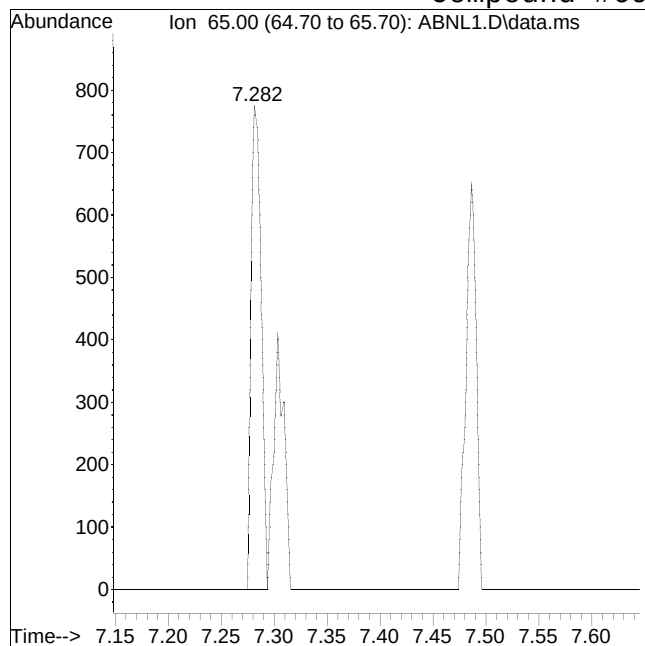
Manual Peak Response = 491 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #69: 4-Nitrophenol



Original Peak Response = 520

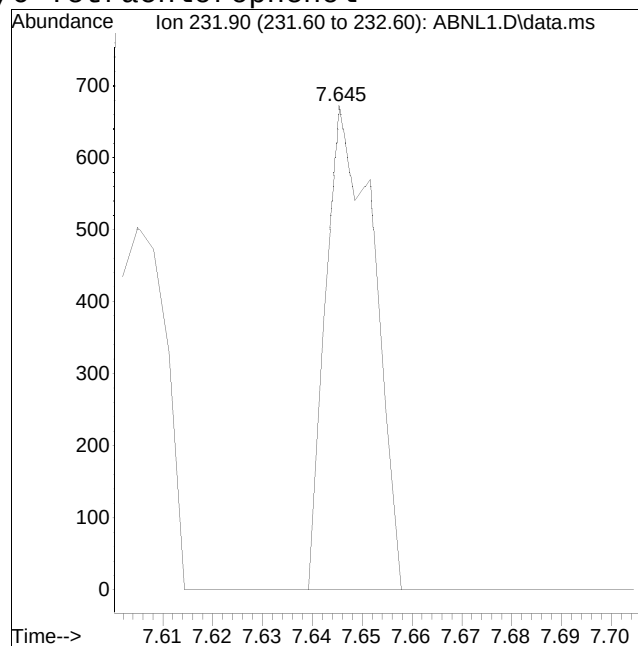
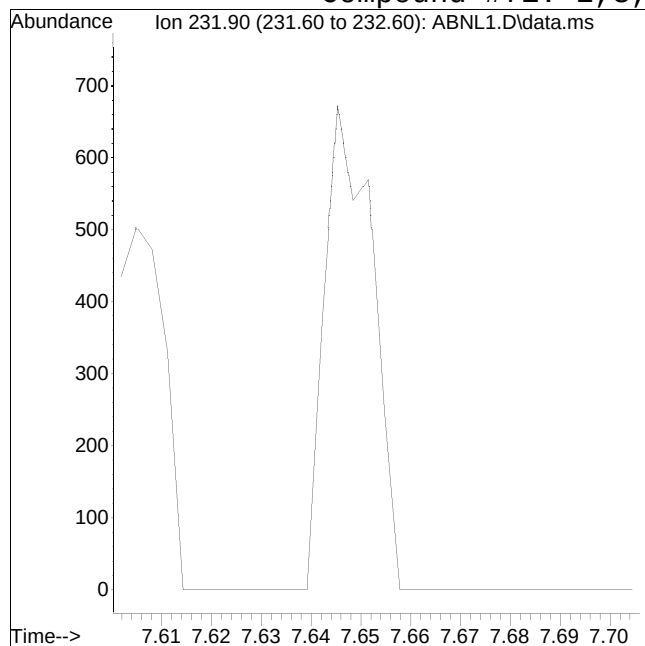
Manual Peak Response = 444 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #71: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 0

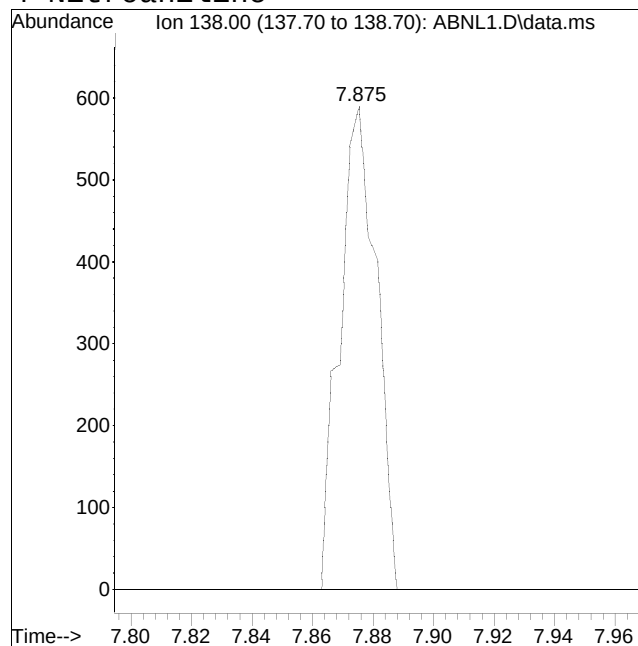
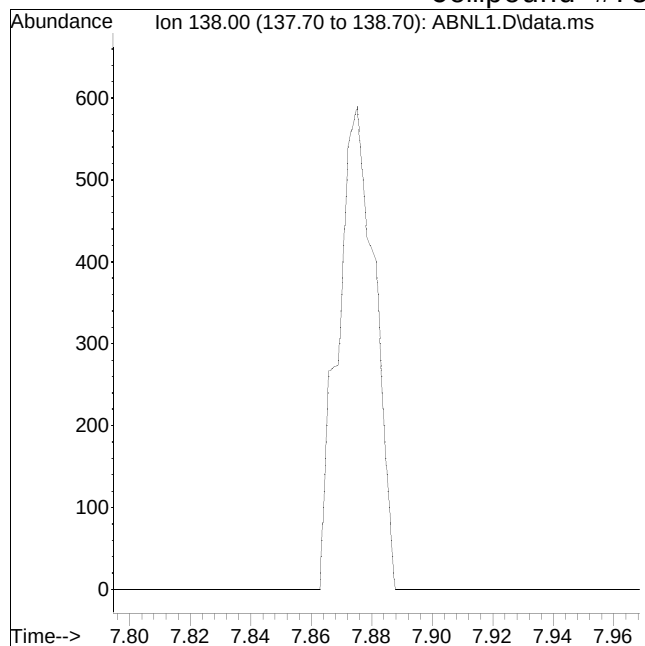
Manual Peak Response = 449 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #75: 4-Nitroaniline



Original Peak Response = 0

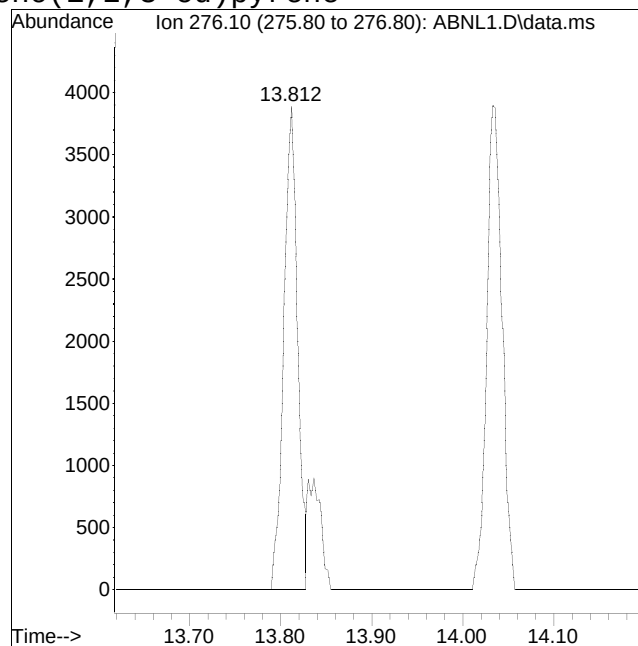
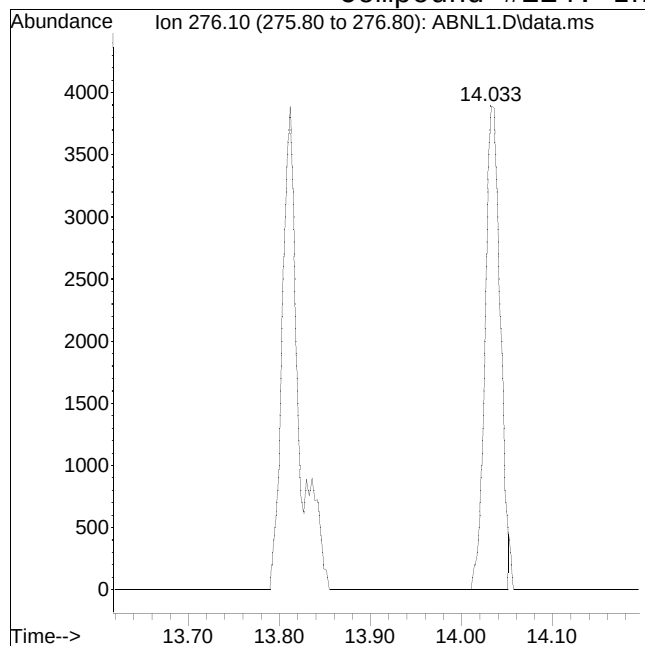
Manual Peak Response = 497 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 10:23 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 4508

Manual Peak Response = 4090 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
2 t	n-Nitrosodimethylamine	0.660	0.636	3.6	93	0.00
3 t	Pyridine	1.131	1.074	5.0	89	0.00
4 S	2-Fluorophenol	1.106	1.040	6.0	89	0.00
5 T	Aniline	1.738	1.656	4.7	89	0.00
6 t	2-Chlorophenol	1.332	1.270	4.7	91	0.00
7 S	Phenol-d6	1.318	1.270	3.6	92	0.00
8 T	Phenol	1.441	1.369	5.0	92	0.00
9 T	Bis(2-chloroethyl)ether	1.143	1.099	3.8	94	0.00
10 T	1,3-Dichlorobenzene	1.598	1.519	4.9	93	0.00
11 T	1,4-Dichlorobenzene	1.634	1.556	4.8	94	0.00
12 T	1,2-Dichlorobenzene	1.572	1.488	5.3	94	0.00
13 t	Benzyl alcohol	0.964	0.933	3.2	94	0.00
14 T	Bis(2-chloroisopropyl)ether	1.867	1.785	4.4	94	0.00
15 T	2-Methylphenol	1.104	1.075	2.6	93	0.00
16 T	Hexachloroethane	0.602	0.590	2.0	94	0.00
17 T	n-Nitrosodi-n-propylamine	0.815	0.793	2.7	92	0.00
18 T	3-Methylphenol/4-Methylphen	1.207	1.161	3.8	94	0.00
19 S	Nitrobenzene-d5	1.226	1.136	7.3	89	0.00
20 T	Nitrobenzene	1.260	1.189	5.6	90	0.00
21 T	Isophorone	2.296	2.176	5.2	91	0.00
22 T	2-Nitrophenol	0.640	0.580	9.4	86	0.00
23 T	2,4-Dimethylphenol	1.271	1.207	5.0	88	0.00
24 T	Bis(2-chloroethoxy)methane	1.546	1.478	4.4	93	0.00
25 T	2,4-Dichlorophenol	1.170	1.148	1.9	92	0.00
26 T	1,2,4-Trichlorobenzene	1.374	1.288	6.3	92	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	96	0.00
36 T	Naphthalene	1.082	1.028	5.0	92	0.00
37 T	Benzoic Acid	* 5.000	3.671	26.6#	78	0.00
38 T	4-Chloroaniline	0.117	0.115	1.7	90	0.00
39 T	Hexachlorobutadiene	0.200	0.197	1.5	94	0.00
40 T	p-Chloro-m-cresol	0.284	0.272	4.2	91	0.00
41 T	2-Methylnaphthalene	0.641	0.632	1.4	96	0.00
42 T	1-Methylnaphthalene	0.227	0.220	3.1	94	0.00
43 T	Hexachlorocyclopentadiene	0.254	0.238	6.3	89	0.00
44 T	2,4,6-Trichlorophenol	0.213	0.213	0.0	90	0.00
45 T	2,4,5-Trichlorophenol	0.239	0.243	-1.7	93	0.00
46 S	2-Fluorobiphenyl	0.821	0.769	6.3	92	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.727	0.703	3.3	94	0.00
48 T	2-Nitroaniline	0.206	0.204	1.0	87	0.00
49 T	1,4-Dinitrobenzene	0.097	0.090	7.2	86	0.00
50 T	1,3-Dinitrobenzene	0.112	0.107	4.5	86	0.00
51 T	Dimethyl phthalate	0.857	0.814	5.0	90	0.00
52 T	Acenaphthylene	1.170	1.149	1.8	91	0.00
53 T	2,6-Dinitrotoluene	0.167	0.164	1.8	90	0.00
54 T	1,2-Dinitrobenzene	0.073	0.073	0.0	89	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	99	0.00
64 T	3-Nitroaniline	0.342	0.331	3.2	90	0.00
65 T	Acenaphthene	1.136	1.042	8.3	92	0.00
66 T	2,4-Dinitrophenol	0.166	0.140	15.7	88	0.00
67 T	Dibenzofuran	1.844	1.699	7.9	93	0.00
68 T	2,4-Dinitrotoluene	0.385	0.378	1.8	88	0.00
69 T	4-Nitrophenol	0.238	0.227	4.6	90	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.340	0.336	1.2	91	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.330	0.332	-0.6	90	0.00
72 T	Diethyl phthalate	1.516	1.387	8.5	90	0.00
73 T	Fluorene	1.447	1.324	8.5	92	0.00
74 T	4-Chlorophenyl phenyl ether	0.688	0.625	9.2	91	0.00
75 T	4-Nitroaniline	0.337	0.325	3.6	88	0.00
76 T	4,6-Dinitro-o-cresol	0.214	0.189	11.7	86	0.00
77 T	NDPA/DPA	1.209	1.145	5.3	92	0.00
78 T	Azobenzene	1.272	1.215	4.5	92	0.00
79 S	2,4,6-Tribromophenol	0.194	0.179	7.7	89	0.00
80 T	4-Bromophenyl phenyl ether	0.424	0.384	9.4	92	0.00
81 T	Hexachlorobenzene	0.475	0.432	9.1	93	0.00
82 T	Pentachlorophenol	0.280	0.240	14.3	86	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	98	0.00
89 T	Phenanthrene	1.202	1.082	10.0	91	0.00
90 T	Anthracene	1.178	1.093	7.2	91	0.00
91 T	Carbazole	1.081	1.029	4.8	90	0.00
92 T	Di-n-butylphthalate	1.266	1.204	4.9	88	0.00
93 T	Fluoranthene	1.296	1.201	7.3	90	0.00
94 T	Benzidine	0.831	0.756	9.0	88	0.00
95 T	Pyrene	1.383	1.287	6.9	91	0.00
96 S	4-Terphenyl-d14	0.982	0.888	9.6	91	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	0.529	0.504	4.7	88	0.00
104 I	IS1_Chrysene-d12	1.000	1.000	0.0	97	0.00
105 T	Benzo(a)anthracene	1.349	1.255	7.0	92	0.00
106 T	3,3'-Dichlorobenzidine	0.464	0.437	5.8	86	0.00
107 T	Chrysene	1.336	1.193	10.7	90	0.00
108 T	Bis(2-ethylhexyl)phthalate	0.846	0.837	1.1	90	0.00
109 T	Di-n-octylphthalate	1.419	1.335	5.9	89	0.00
110 T	Benzo(b)fluoranthene	1.278	1.201	6.0	94	0.00
111 T	Benzo(k)fluoranthene	1.303	1.235	5.2	90	0.00
112 T	Benzo(a)pyrene	1.197	1.138	4.9	90	0.00
113 I	IS1_Perylene-d12	1.000	1.000	0.0	97	0.00
114 T	Indeno(1,2,3-cd)pyrene	1.141	1.035	9.3	88	0.00
115 T	Dibenzo(a,h)anthracene	1.181	1.089	7.8	89	0.00
116 T	Benzo(ghi)perylene	1.164	1.053	9.5	89	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33441	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	98.38%		
35) IS1_Naphthalene-d8	5.572	136	130068	4.000	ug/ml	# 0.00
Standard Area 1 = 135116			Recovery =	96.26%		
63) IS1_Acenaphthene-d10	7.307	164	79495	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	99.19%		
88) IS1_Phenanthrene-d10	8.752	188	151588	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	97.95%		
104) IS1_Chrysene-d12	11.391	240	151868	4.000	ug/ml	# 0.00
Standard Area 1 = 156844			Recovery =	96.83%		
113) IS1_Perylene-d12	12.855	264	160353	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	97.22%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.974	112	43462	4.701	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	235.05%#		
7) Phenol-d6	3.990	99	53091	4.818	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	240.90%#		
19) Nitrobenzene-d5	4.864	82	47494	4.632	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	463.20%#		
46) 2-Fluorobiphenyl	6.673	172	125056	4.686	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	468.60%#		
79) 2,4,6-Tribromophenol	8.081	330	17778	4.613	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	230.65%#		
96) 4-Terphenyl-d14	10.359	244	168255	4.520	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	452.00%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.550	74	26579	4.818	ug/ml#	75
3) Pyridine	1.582	79	44894M1	4.748	ug/ml	
5) Aniline	3.975	93	69209	4.762	ug/ml	97
6) 2-Chlorophenol	4.090	128	53094	4.769	ug/ml#	90
8) Phenol	4.006	94	57226	4.750	ug/ml	95
9) Bis(2-chloroethyl)ether	4.071	93	45922	4.806	ug/ml	94
10) 1,3-Dichlorobenzene	4.242	146	63493	4.752	ug/ml	96
11) 1,4-Dichlorobenzene	4.320	146	65044	4.761	ug/ml	96
12) 1,2-Dichlorobenzene	4.472	146	62187	4.733	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	38998	4.838	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.631	45	74631	4.782	ug/ml#	66
15) 2-Methylphenol	4.615	108	44932	4.867	ug/ml	97
16) Hexachloroethane	4.808	117	24647	4.899	ug/ml#	73
17) n-Nitrosodi-n-propylamine	4.752	70	33140	4.867	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.777	108	48542	4.811	ug/ml	98
20) Nitrobenzene	4.882	77	49719	4.719	ug/ml	95
21) Isophorone	5.137	82	90972	4.740	ug/ml	98
22) 2-Nitrophenol	5.209	139	24246	4.531	ug/ml#	88
23) 2,4-Dimethylphenol	5.302	107	50466	4.748	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.389	93	61789	4.779	ug/ml	99
25) 2,4-Dichlorophenol	5.454	162	47994	4.908	ug/ml#	95
26) 1,2,4-Trichlorobenzene	5.532	180	53860	4.688	ug/ml	97
36) Naphthalene	5.594	128	167086	4.749	ug/ml	100
37) Benzoic Acid	5.386	105	25898	3.671	ug/ml	92
38) 4-Chloroaniline	5.675	65	18628	4.895	ug/ml#	62
39) Hexachlorobutadiene	5.756	225	31995	4.910	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	44260	4.795	ug/ml	94
41) 2-Methylnaphthalene	6.287	142	102775	4.933	ug/ml	96
42) 1-Methylnaphthalene	6.380	115	35694	4.832	ug/ml	91
43) Hexachlorocyclopentadiene	6.464	237	38722	4.687	ug/ml	100
44) 2,4,6-Trichlorophenol	6.586	196	34572	4.984	ug/ml	97
45) 2,4,5-Trichlorophenol	6.614	196	39530	5.077	ug/ml	99
47) 2-Chloronaphthalene	6.760	162	114228	4.833	ug/ml	96
48) 2-Nitroaniline	6.878	138	33114	4.941	ug/ml#	79
49) 1,4-Dinitrobenzene	7.018	168	14690	4.654	ug/ml	79
50) 1,3-Dinitrobenzene	7.092	168	17461	4.805	ug/ml#	1
51) Dimethyl phthalate	7.092	163	132414	4.752	ug/ml#	98
52) Acenaphthylene	7.161	152	186814	4.910	ug/ml	99
53) 2,6-Dinitrotoluene	7.130	165	26686	4.911	ug/ml#	78
54) 1,2-Dinitrobenzene	7.170	168	11853	5.014	ug/ml#	1
64) 3-Nitroaniline	7.285	138	32931	4.850	ug/ml	87
65) Acenaphthene	7.338	154	103552	4.588	ug/ml	90
66) 2,4-Dinitrophenol	7.387	184	13885	4.219	ug/ml#	86
67) Dibenzofuran	7.509	168	168817	4.606	ug/ml	95
68) 2,4-Dinitrotoluene	7.521	165	37575	4.916	ug/ml	91
69) 4-Nitrophenol	7.487	65	22550	4.765	ug/ml#	79
70) 2,3,5,6-Tetrachlorophenol	7.605	232	33383	4.945	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	32978	5.029	ug/ml	99
72)	Diethyl phthalate	7.795	149	137837	4.574	ug/ml	99
73)	Fluorene	7.844	166	131518	4.573	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	62071	4.537	ug/ml	91
75)	4-Nitroaniline	7.875	138	32255	4.816	ug/ml#	80
76)	4,6-Dinitro-o-cresol	7.916	198	18815	4.427	ug/ml#	67
77)	NDPA/DPA	7.990	169	113782	4.734	ug/ml	94
78)	Azobenzene	8.022	77	120724	4.776	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	38130	4.522	ug/ml#	84
81)	Hexachlorobenzene	8.388	284	42967	4.551	ug/ml#	86
82)	Pentachlorophenol	8.587	266	23880	4.296	ug/ml	99
89)	Phenanthrene	8.777	178	205009	4.500	ug/ml	99
90)	Anthracene	8.827	178	207103	4.640	ug/ml	99
91)	Carbazole	9.001	167	195054	4.760	ug/ml	98
92)	Di-n-butylphthalate	9.414	149	228103	4.754	ug/ml	98
93)	Fluoranthene	9.942	202	227666	4.635	ug/ml#	94
94)	Benzidine	10.104	184	143338	4.549	ug/ml#	95
95)	Pyrene	10.157	202	243958	4.656	ug/ml	99
97)	Butyl benzyl phthalate	10.890	149	95520	4.765	ug/ml	87
105)	Benzo(a)anthracene	11.381	228	238200	4.650	ug/ml	100
106)	3,3'-Dichlorobenzidine	11.391	252	83013	4.709	ug/ml	98
107)	Chrysene	11.419	228	226525	4.465	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	11.534	149	158955	4.946	ug/ml#	91
109)	Di-n-octylphthalate	12.211	149	253404	4.704	ug/ml#	73
110)	Benzo(b)fluoranthene	12.485	252	227992	4.700	ug/ml	97
111)	Benzo(k)fluoranthene	12.513	252	234496M3	4.740	ug/ml	
112)	Benzo(a)pyrene	12.796	252	215944	4.751	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.815	276	207533	4.539	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.843	278	218203	4.609	ug/ml#	94
116)	Benzo(ghi)perylene	14.039	276	211143	4.527	ug/ml	93

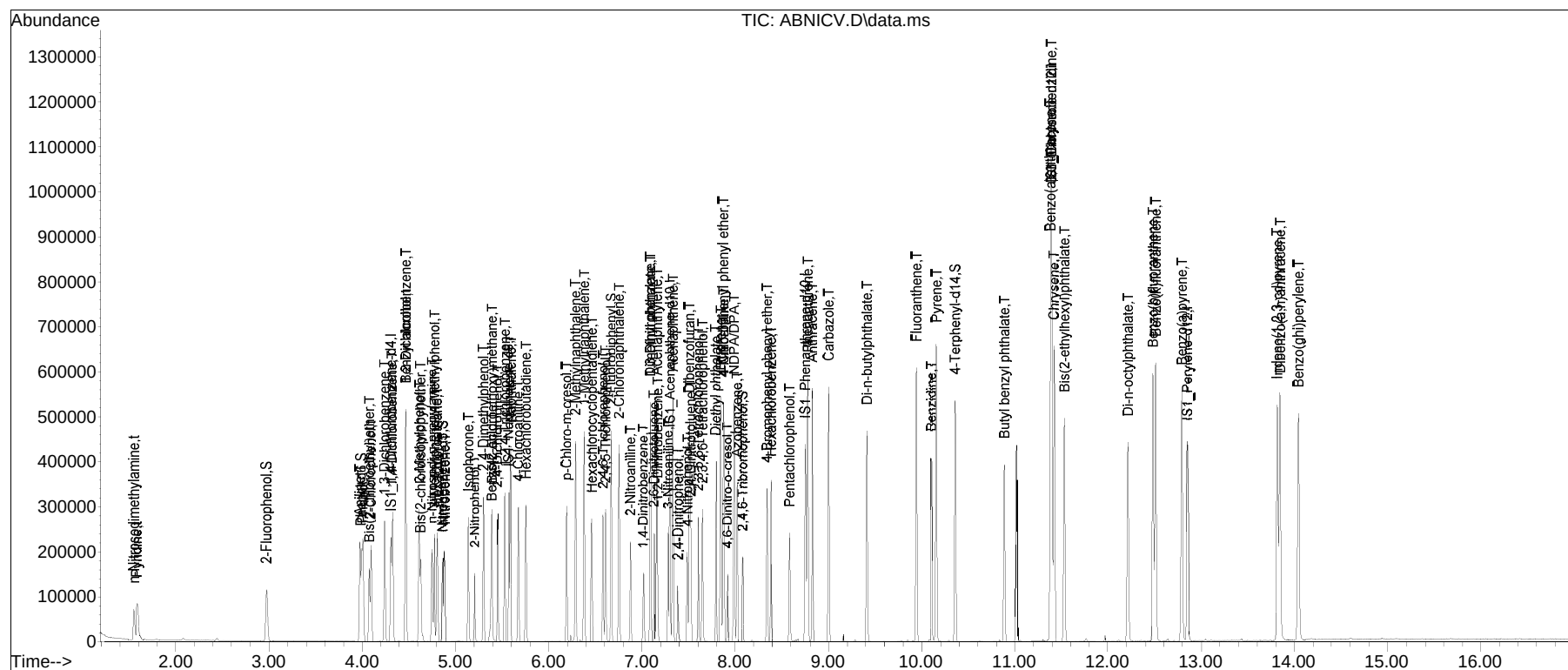
(#) = qualifier out of range (m) = manual integration (+) = signals summed

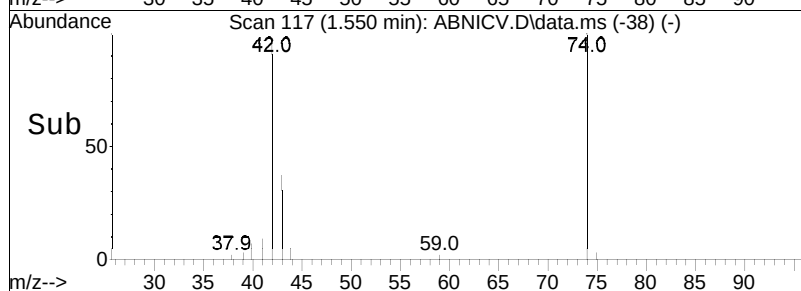
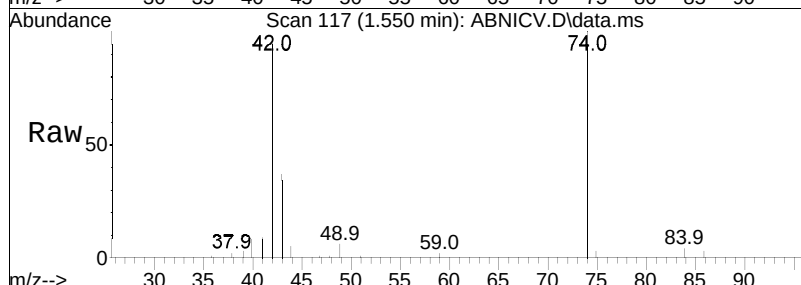
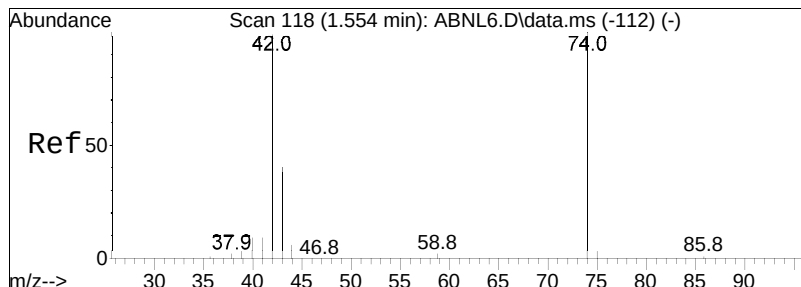
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNICV.D
Acq On : 27 Aug 2025 11:33 pm
Operator : SV106:smz
Sample : CQICV1,32,,ABNICV Lot# 11915
Misc : WG2108428,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:20:54 2025
Response via : Initial Calibration

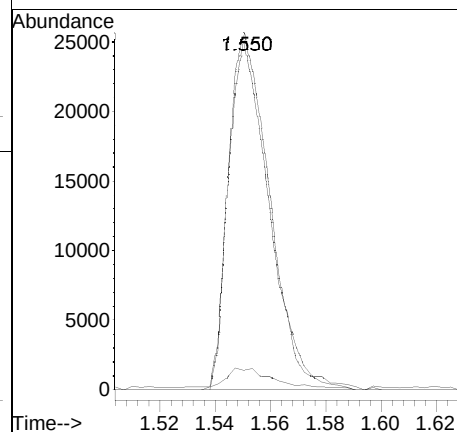
Sub List : ABNica\827ABNV106\2500275CAL\AP9L6.D.

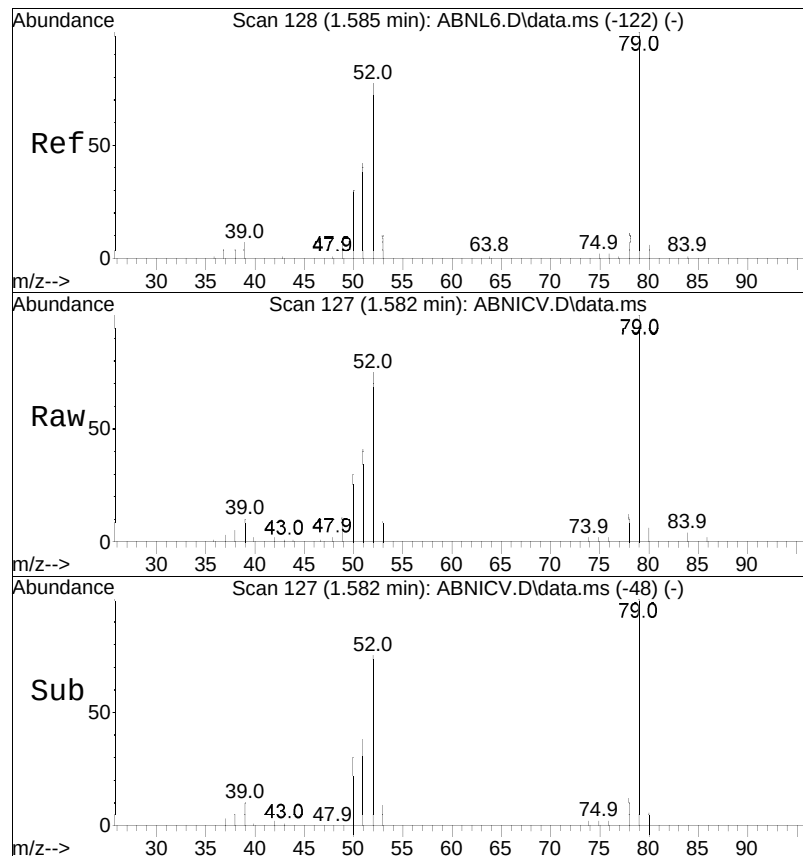




#2
 n-Nitrosodimethylamine
 Concen: 4.82 ug/ml
 RT: 1.550 min Scan# 117
 Delta R.T. -0.004 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

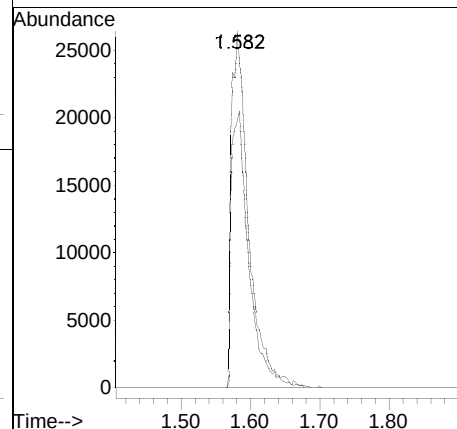
Tgt Ion: 74 Resp: 26579
 Ion Ratio Lower Upper
 74 100
 42 94.9 100.0 150.0#
 44 7.9 6.7 10.1

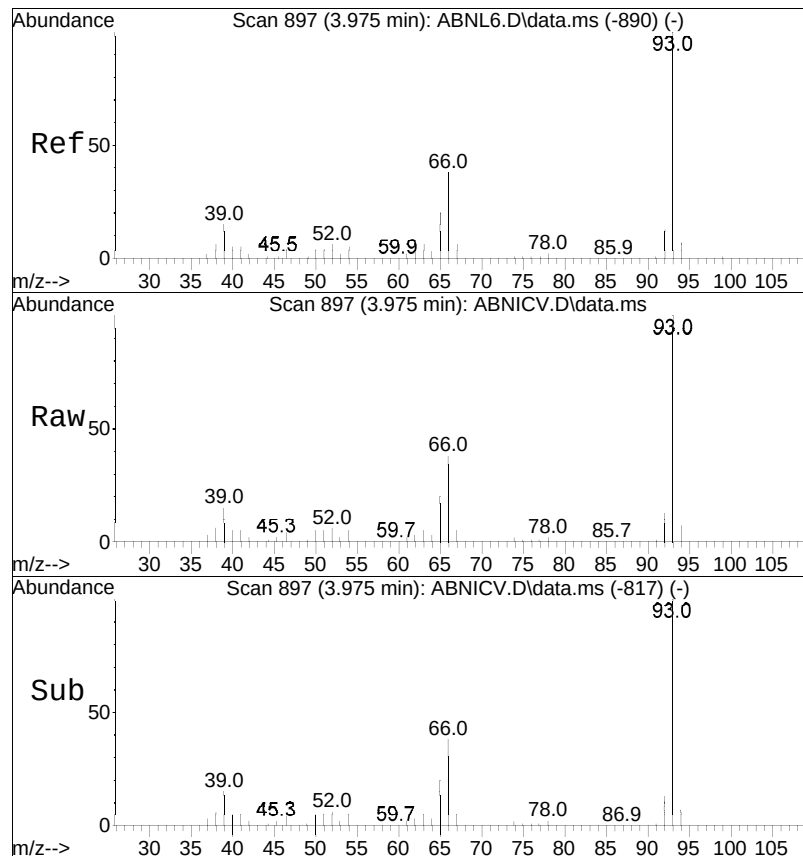




#3
 Pyridine
 Concen: 4.75 ug/ml M1
 RT: 1.582 min Scan# 127
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

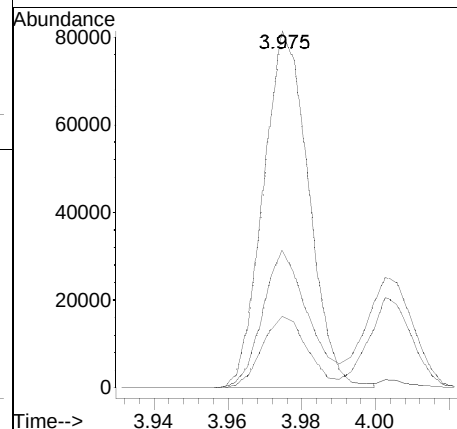
Tgt Ion	Ratio	Lower	Upper
79	100		
52	78.5	93.1	139.7#

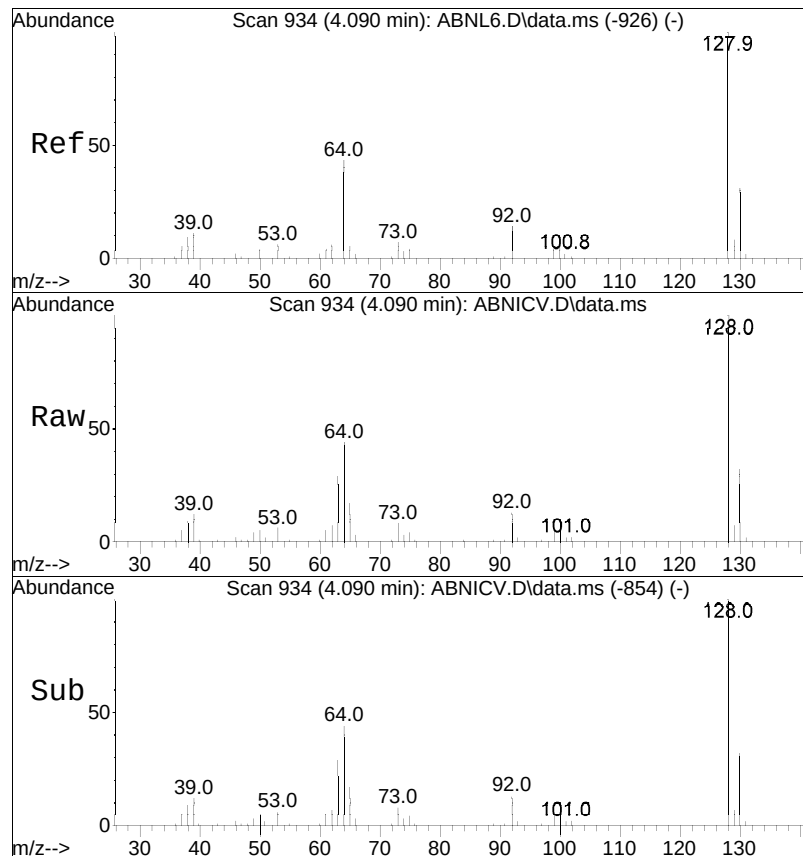




#5
 Aniline
 Concen: 4.76 ug/ml
 RT: 3.975 min Scan# 897
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

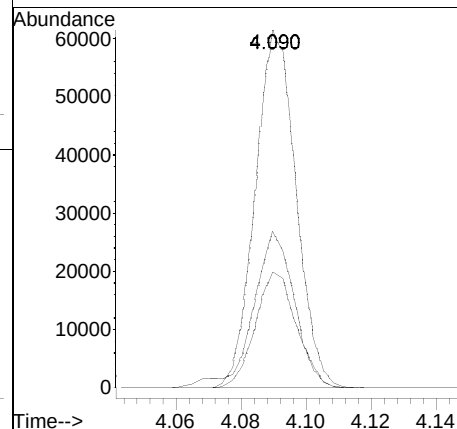
Tgt Ion:	93	Resp:	69209
Ion Ratio	Lower	Upper	
93	100		
66	39.3	32.6	49.0
65	20.3	17.6	26.4

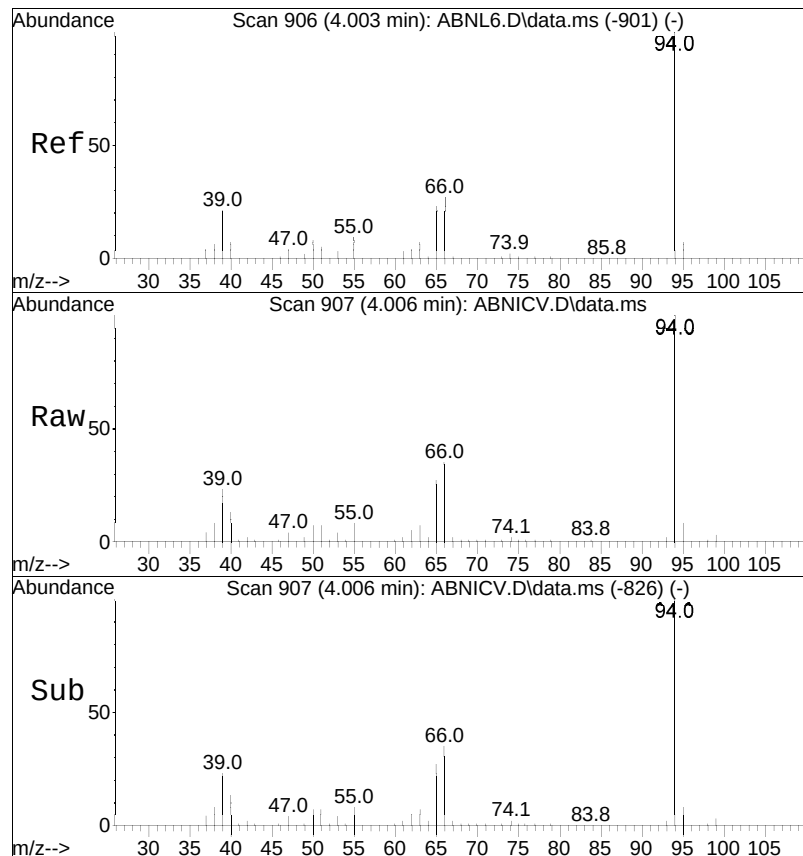




#6
 2-Chlorophenol
 Concen: 4.77 ug/ml
 RT: 4.090 min Scan# 934
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

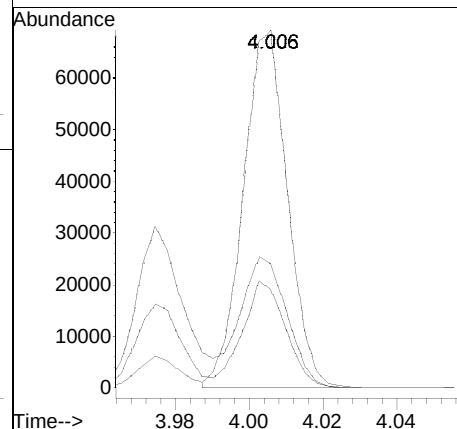
Tgt Ion	Ratio	Lower	Upper
128	100		
64	44.7	45.1	67.7#
130	32.6	26.2	39.4

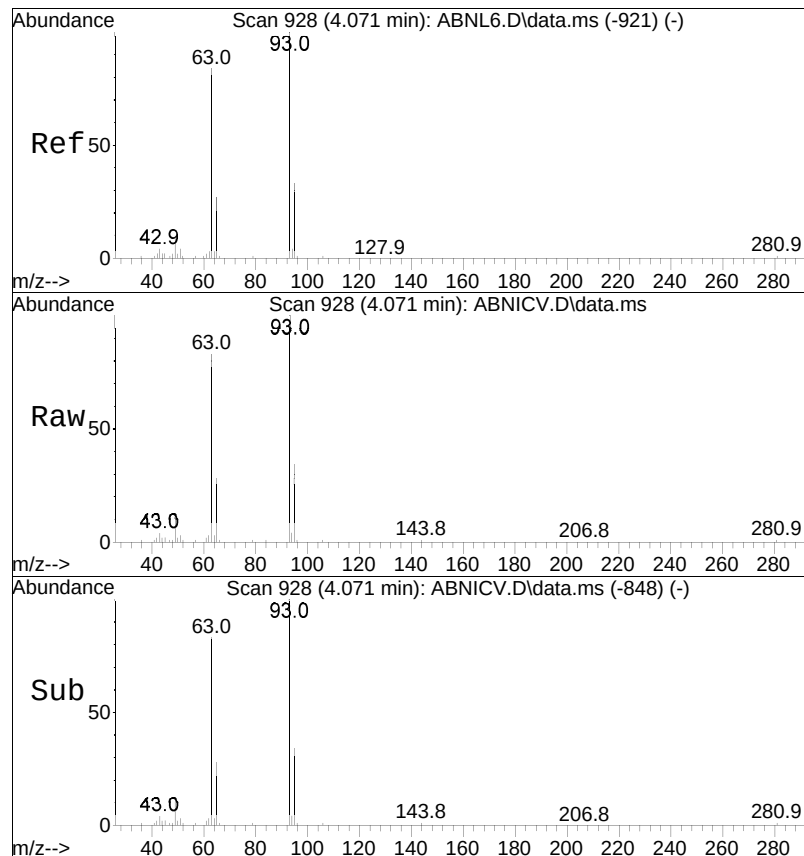




#8
 Phenol
 Concen: 4.75 ug/ml
 RT: 4.006 min Scan# 907
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

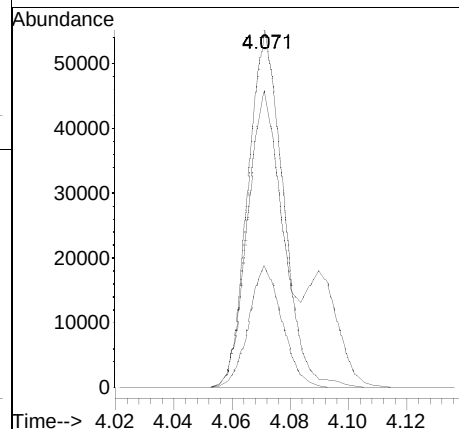
Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.3	26.0	39.0
66	39.4	33.8	50.8

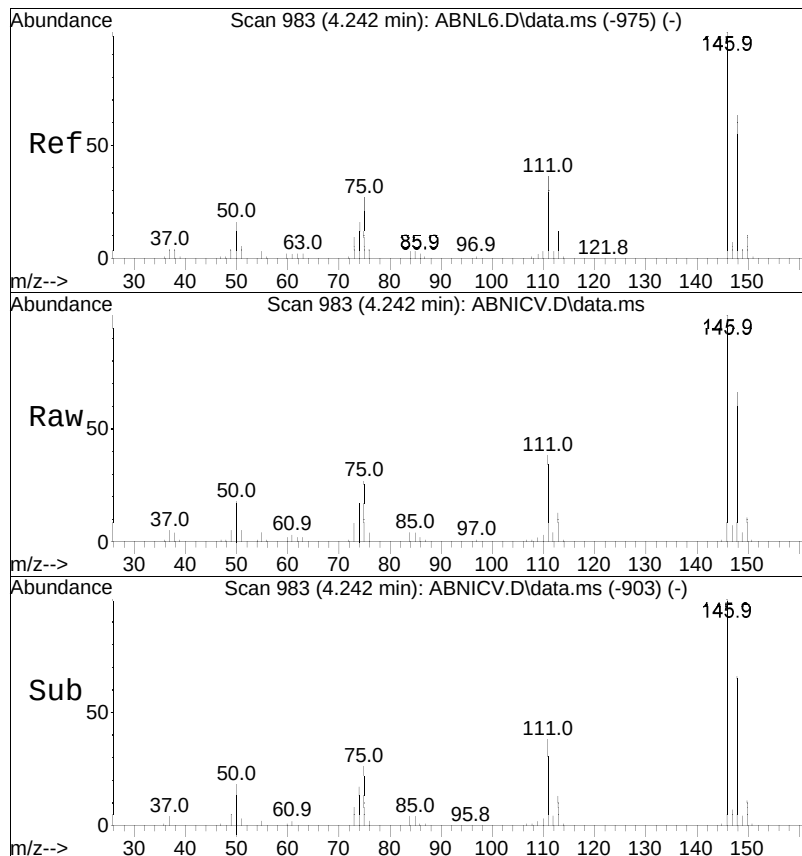




#9
 Bis(2-chloroethyl)ether
 Concen: 4.81 ug/ml
 RT: 4.071 min Scan# 928
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

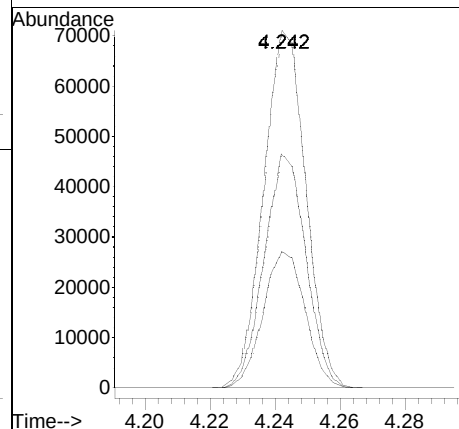
Tgt Ion: 93	Resp: 45922
Ion Ratio	Lower Upper
93 100	
63 84.9	74.6 111.8
95 32.6	25.9 38.9

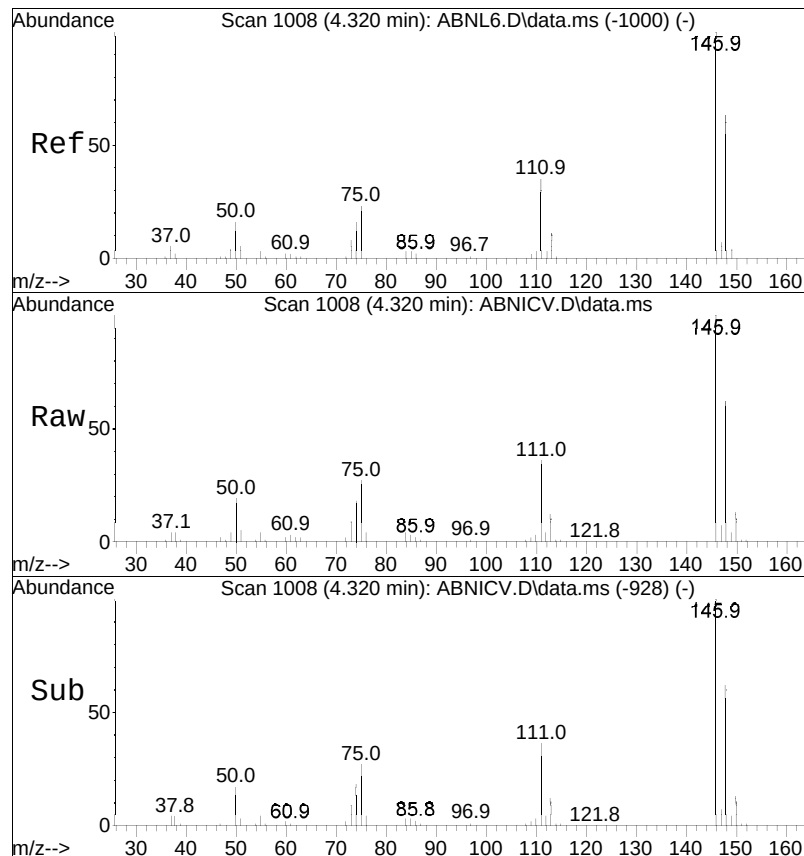




#10
 1,3-Dichlorobenzene
 Concen: 4.75 ug/ml
 RT: 4.242 min Scan# 983
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

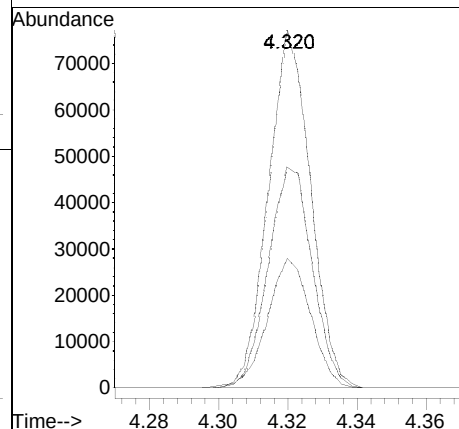
Tgt Ion:	146	Resp:	63493
Ion Ratio	Lower	Upper	
146	100		
111	38.3	34.3	51.5
148	64.7	50.8	76.2

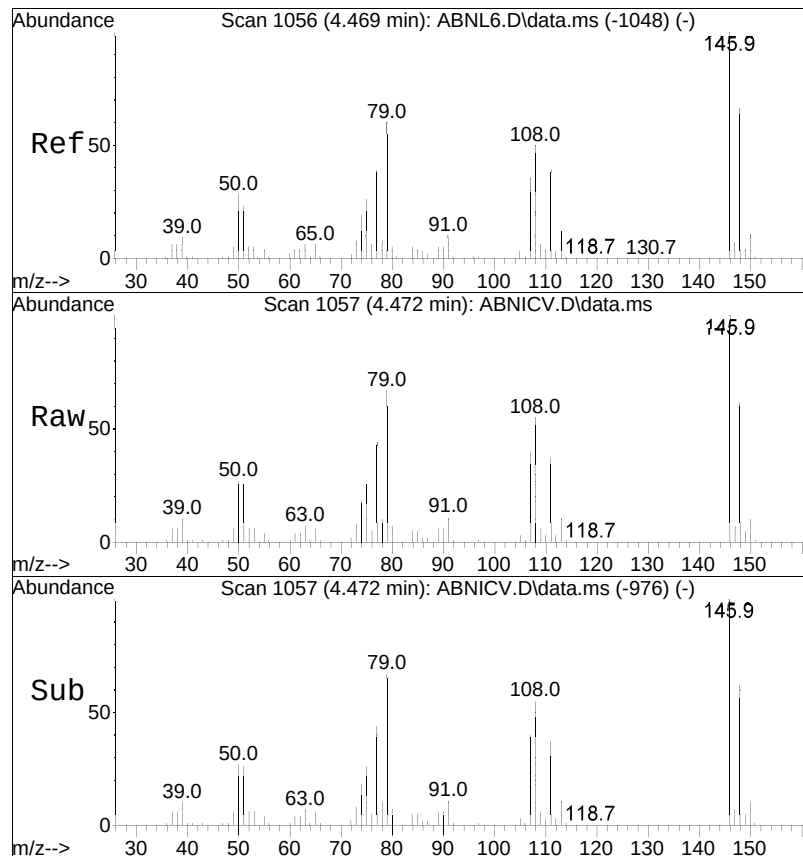




#11
 1,4-Dichlorobenzene
 Concen: 4.76 ug/ml
 RT: 4.320 min Scan# 1008
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

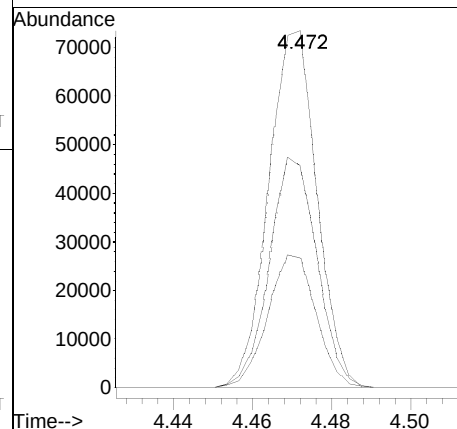
Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.7	76.1
111	37.5	33.4	50.0

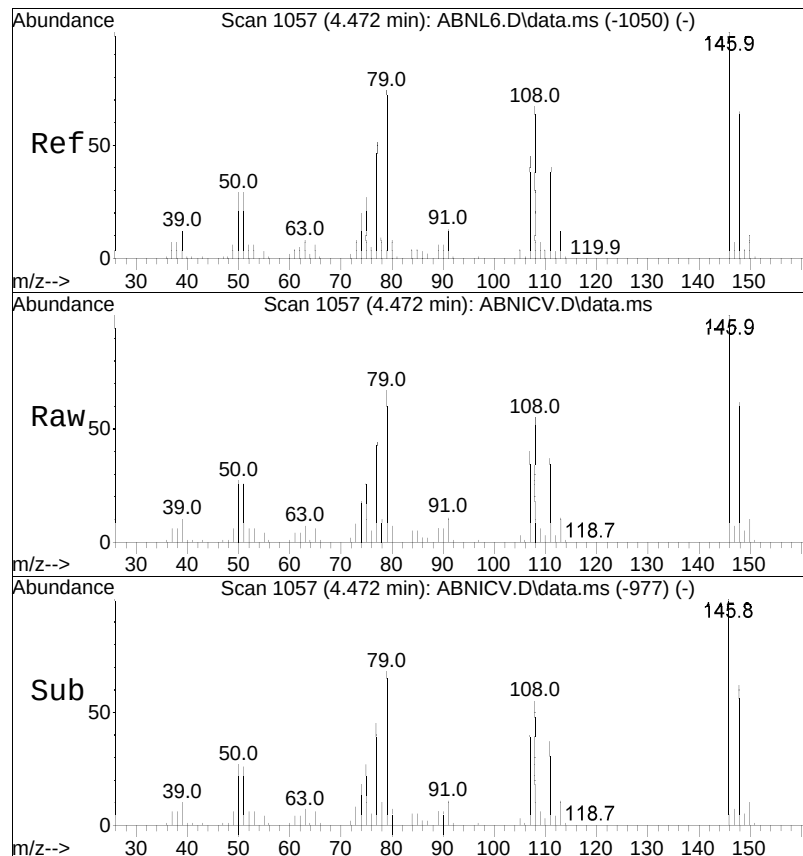




#12
 1,2-Dichlorobenzene
 Concen: 4.73 ug/ml
 RT: 4.472 min Scan# 1057
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

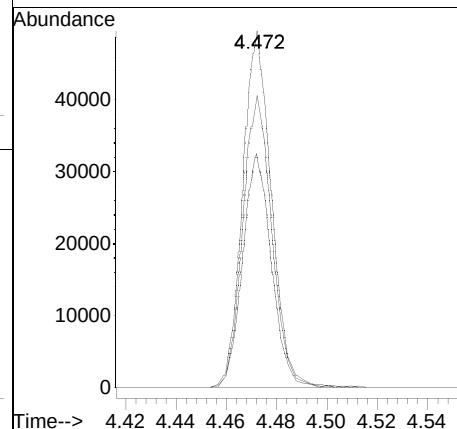
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	34.6	52.0
148	63.6	50.2	75.4

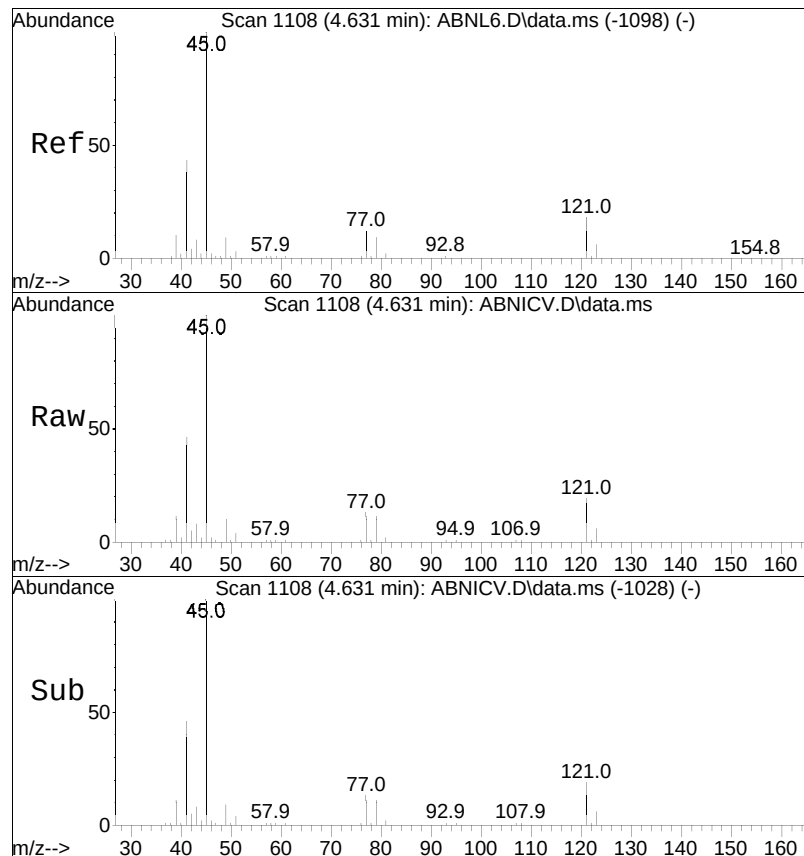




#13
Benzyl alcohol
Concen: 4.84 ug/ml
RT: 4.472 min Scan# 1057
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

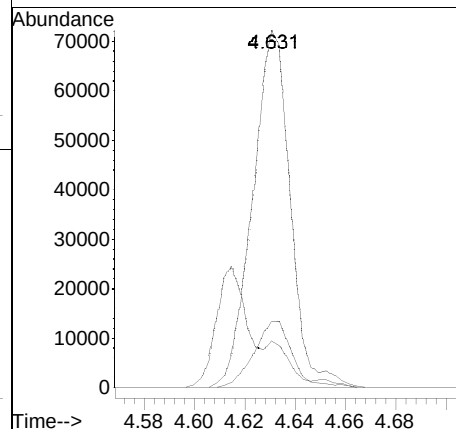
Tgt Ion	Ratio	Lower	Upper
79	100		
77	65.9	54.9	82.3
108	82.4	63.1	94.7

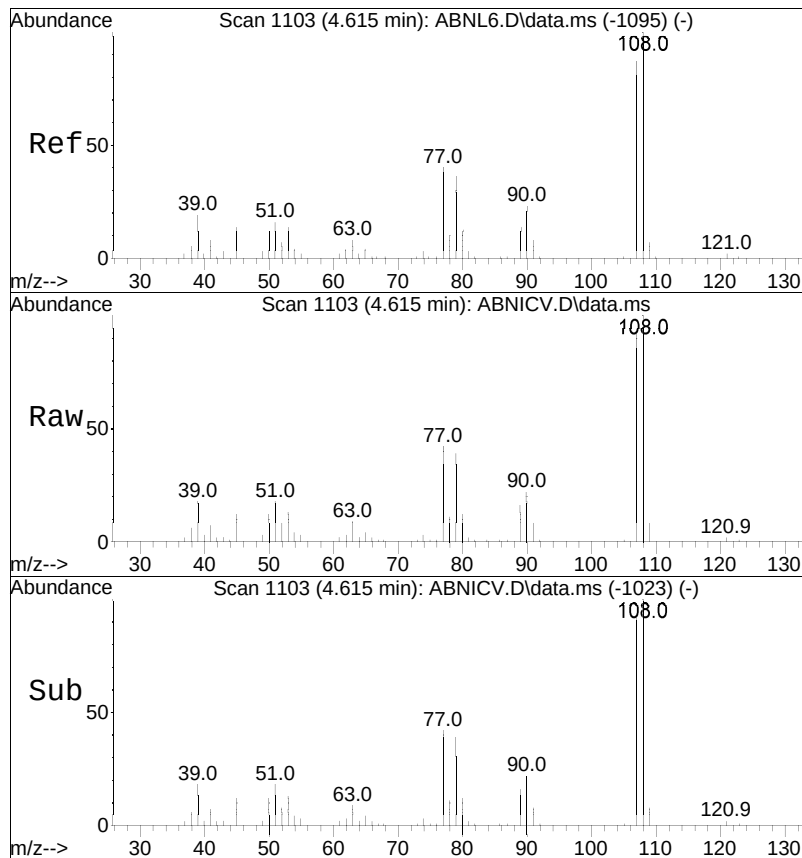




#14
 Bis(2-chloroisopropyl)ether
 Concen: 4.78 ug/ml
 RT: 4.631 min Scan# 1108
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

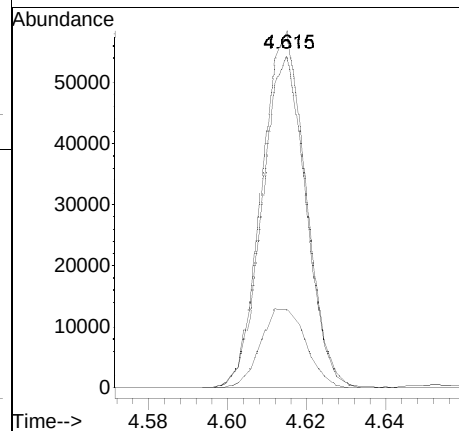
Tgt Ion	Ratio	Lower	Upper
45	100		
121	18.9	9.8	14.6#
77	29.0	6.1	9.1#

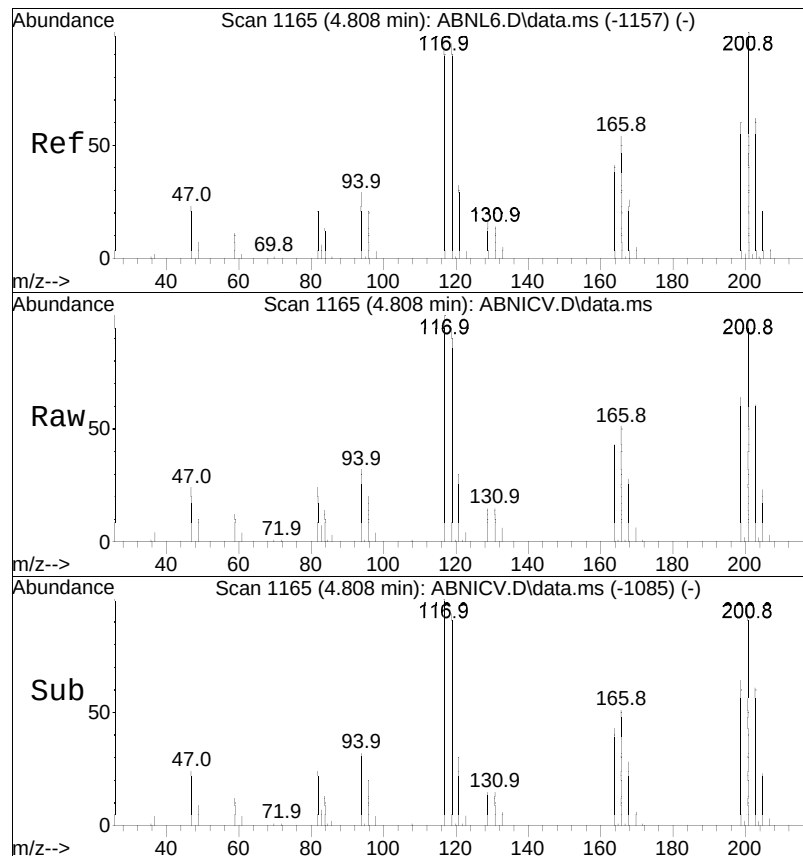




#15
 2-Methylphenol
 Concen: 4.87 ug/ml
 RT: 4.615 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

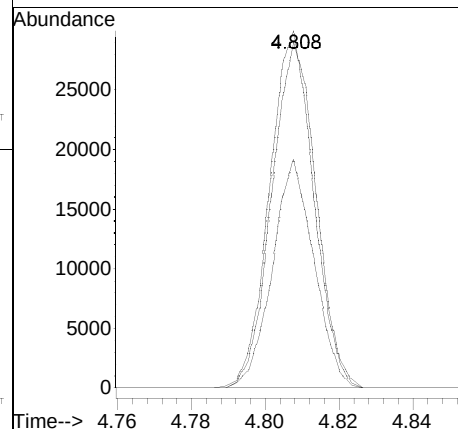
Tgt Ion	Ratio	Lower	Upper
108	100		
107	92.1	70.7	106.1
90	22.9	18.7	28.1

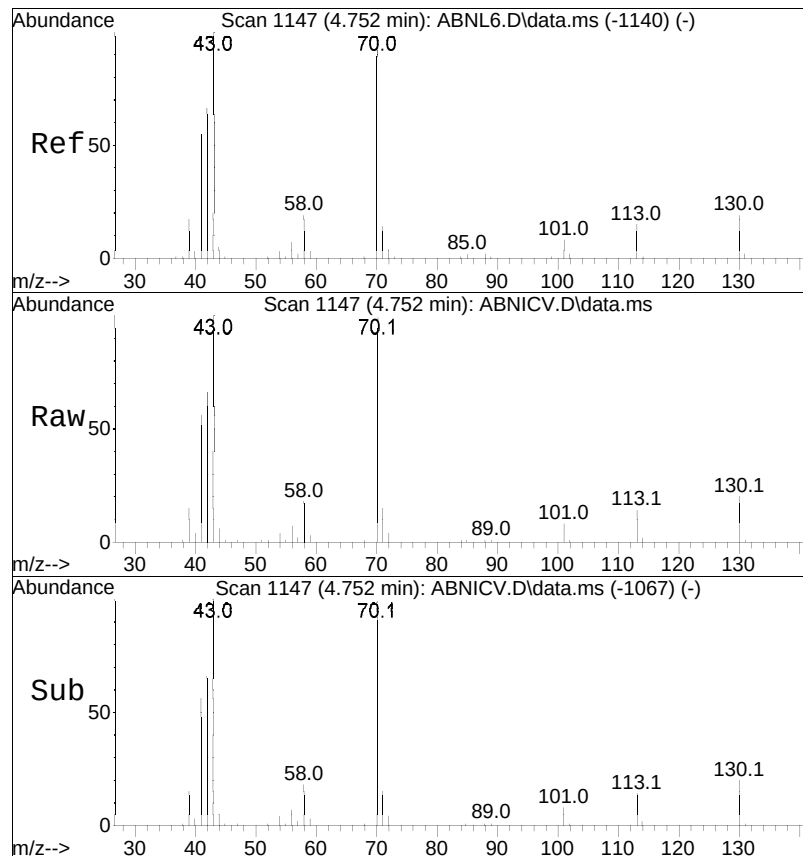




#16
 Hexachloroethane
 Concen: 4.90 ug/ml
 RT: 4.808 min Scan# 1165
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

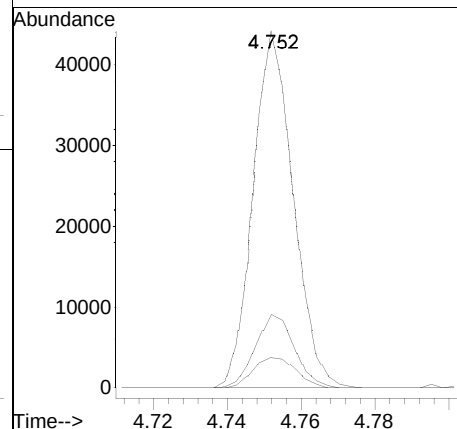
Tgt Ion:	117	Resp:	24647
Ion Ratio	Lower	Upper	
117	100		
201	97.9	58.6	87.8#
199	60.8	36.9	55.3#

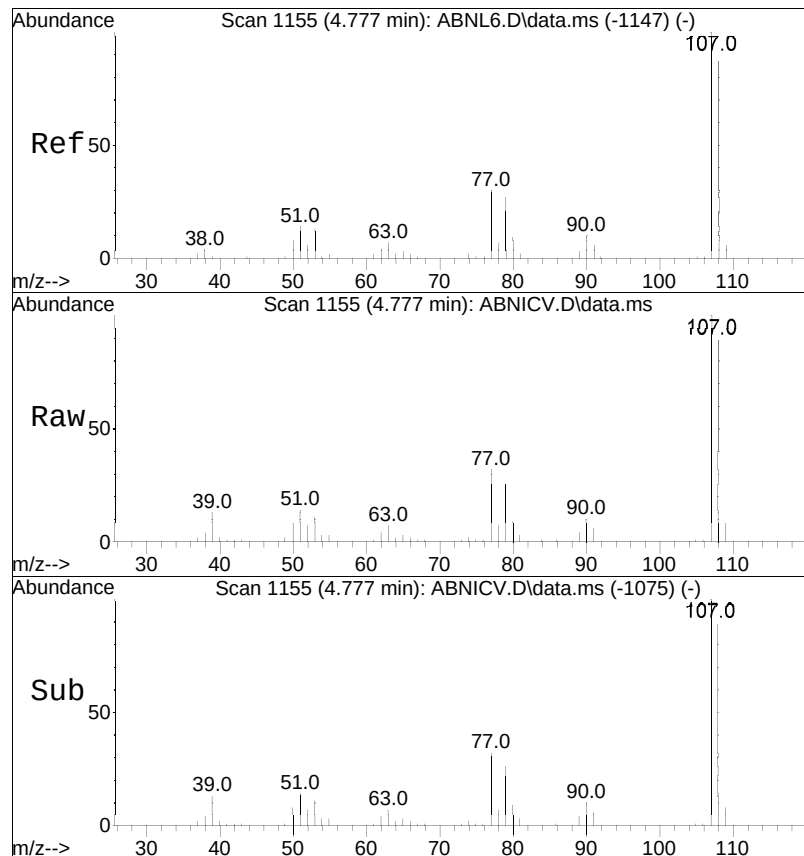




#17
 n-Nitrosodi-n-propylamine
 Concen: 4.87 ug/ml
 RT: 4.752 min Scan# 1147
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

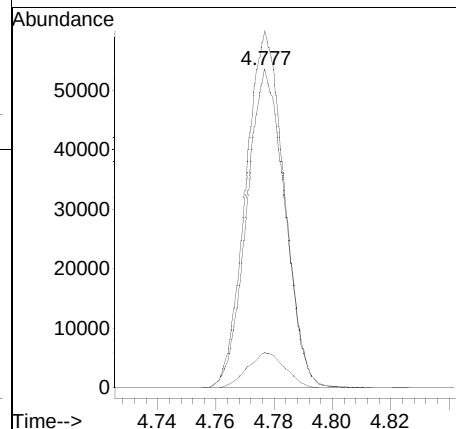
Tgt Ion	Ratio	Lower	Upper
70	100		
130	20.2	18.2	27.4
101	9.1	7.8	11.8

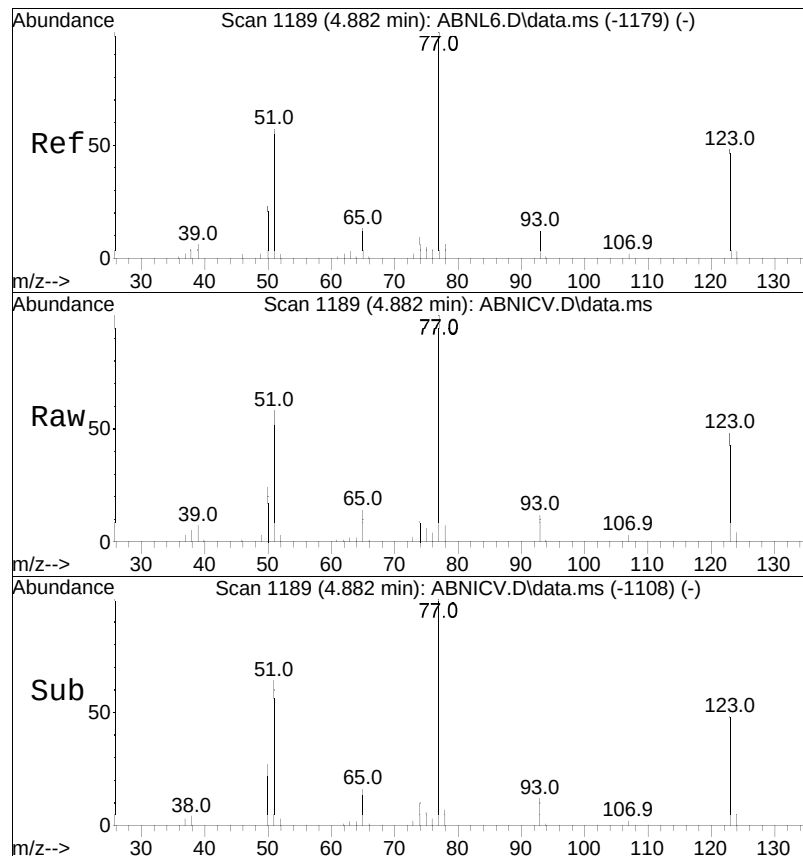




#18
 3-Methylphenol/4-Methylphenol
 Concen: 4.81 ug/ml
 RT: 4.777 min Scan# 1155
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

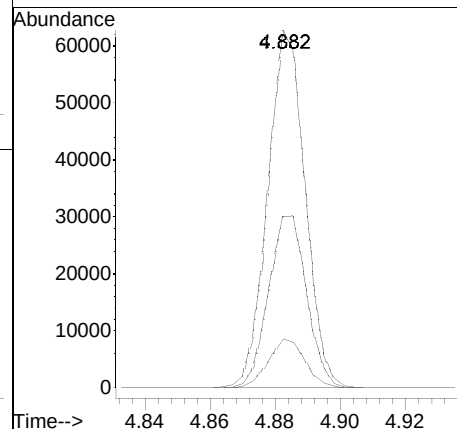
Tgt Ion:	108	Resp:	48542
Ion Ratio	Lower	Upper	
108	100		
107	112.9	88.6	132.8
90	10.9	8.8	13.2

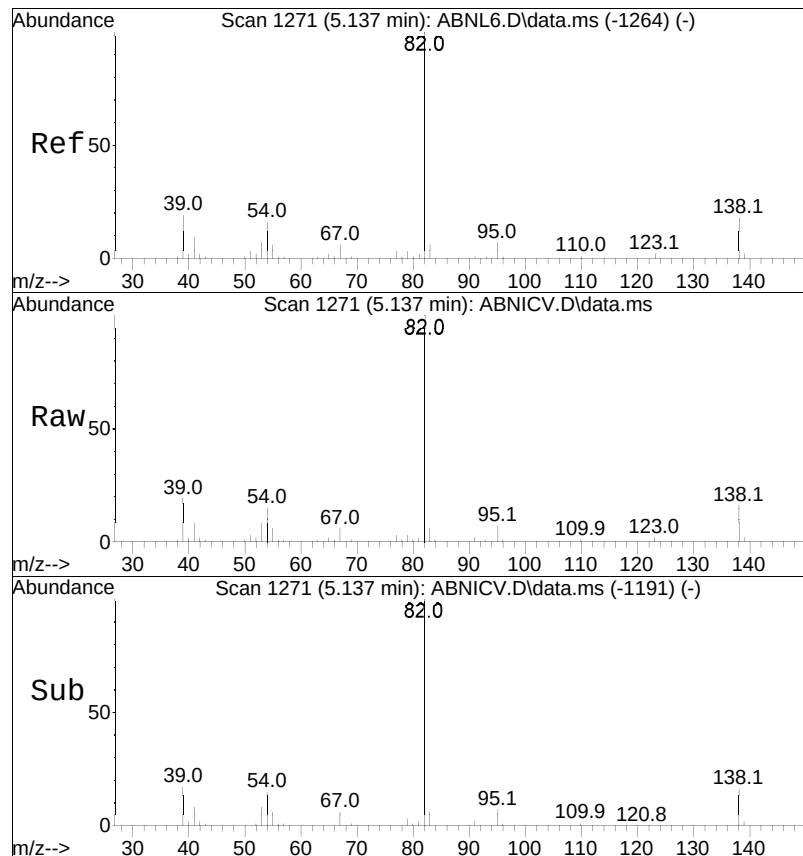




#20
 Nitrobenzene
 Concen: 4.72 ug/ml
 RT: 4.882 min Scan# 1189
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

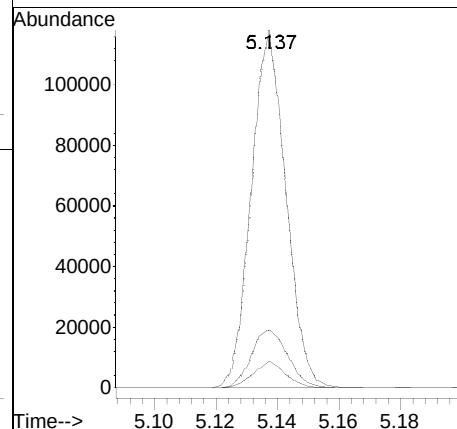
Tgt Ion:	77	Resp:	49719
Ion Ratio	Lower	Upper	
77	100		
123	49.1	36.3	54.5
65	13.5	11.6	17.4

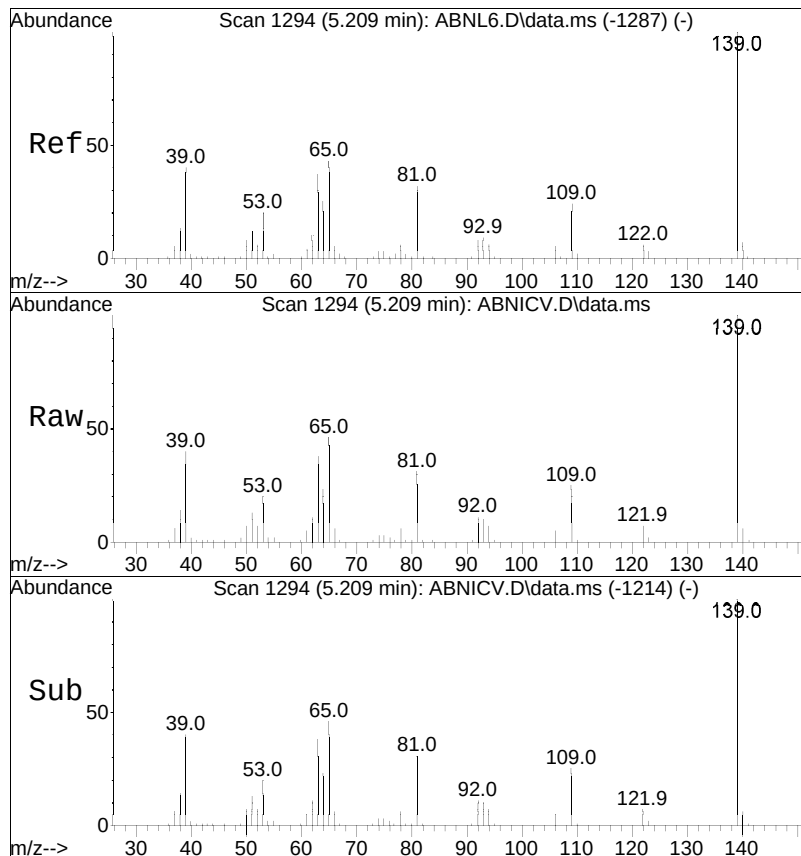




#21
 Isophorone
 Concen: 4.74 ug/ml
 RT: 5.137 min Scan# 1271
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

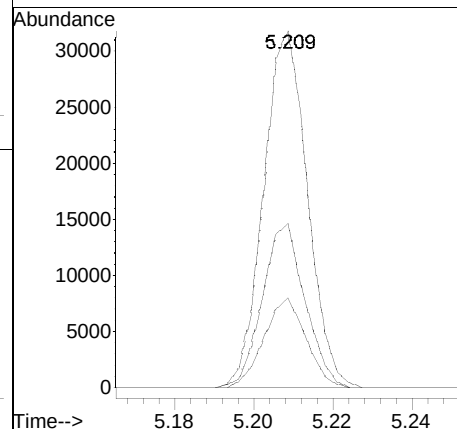
Tgt Ion:	82	138	95	Ion Ratio	100	17.2	7.0	Resp:	90972	Lower	Upper
82	100										
138		17.2							90972	14.7	22.1
95		7.0								5.2	7.8

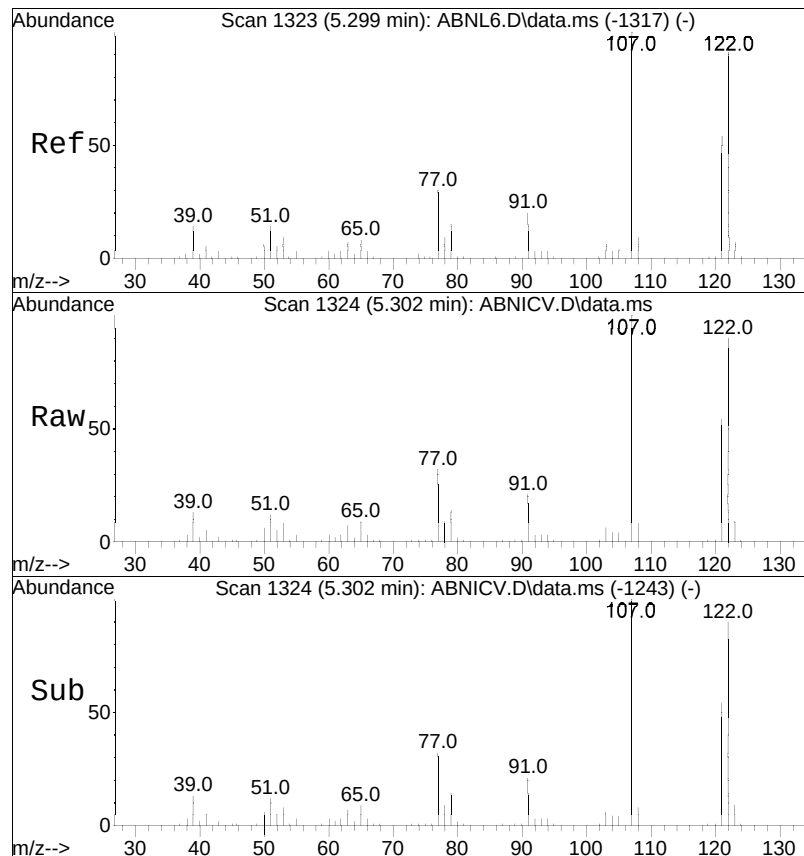




#22
 2-Nitrophenol
 Concen: 4.53 ug/ml
 RT: 5.209 min Scan# 1294
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

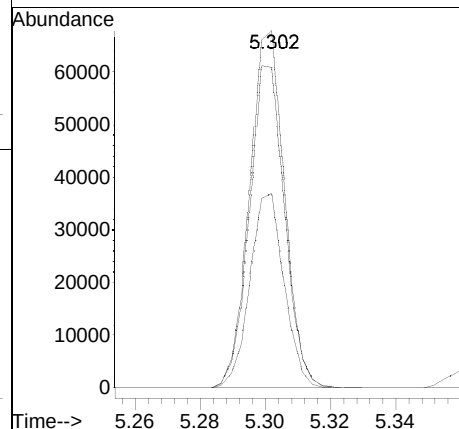
Tgt Ion	Ratio	Lower	Upper
139	100		
109	24.2	19.4	29.0
65	44.8	46.1	69.1#

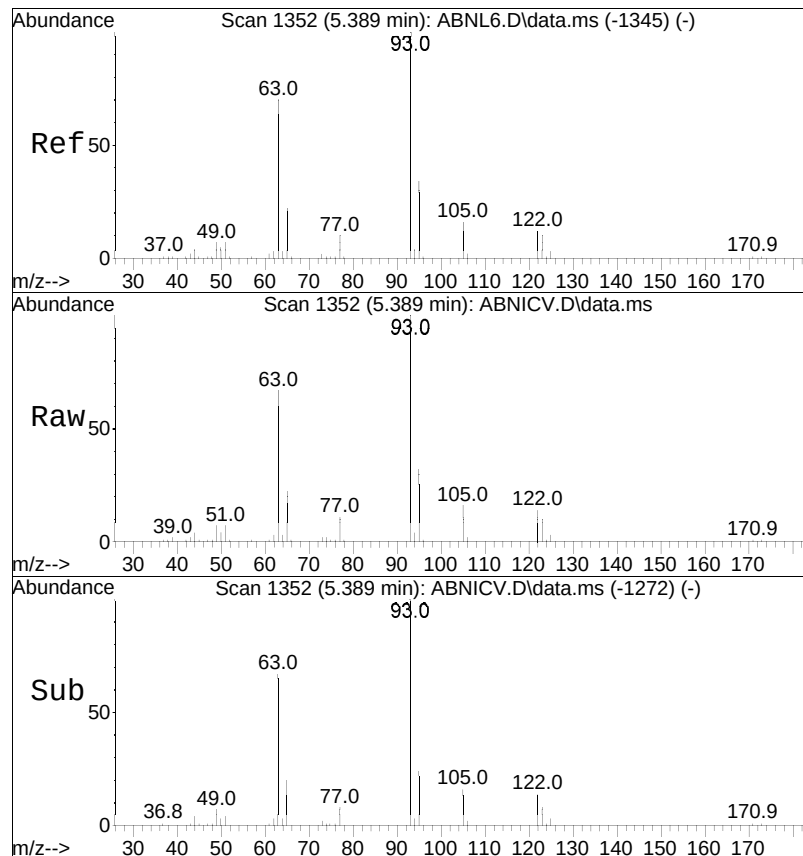




#23
 2,4-Dimethylphenol
 Concen: 4.75 ug/ml
 RT: 5.302 min Scan# 1324
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

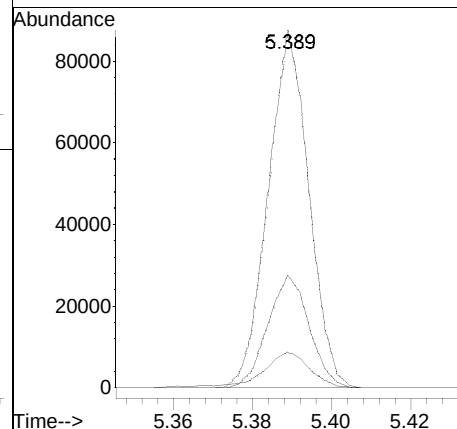
Tgt Ion	Ratio	Lower	Upper
107	100		
121	53.3	40.0	60.0
122	90.8	70.2	105.4

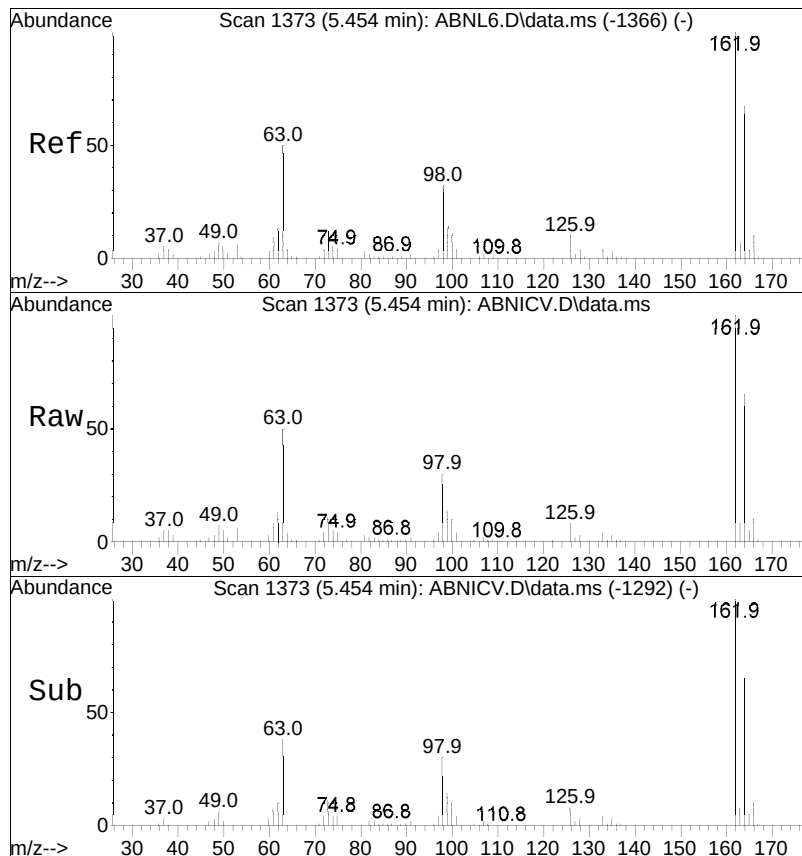




#24
 Bis(2-chloroethoxy)methane
 Concen: 4.78 ug/ml
 RT: 5.389 min Scan# 1352
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

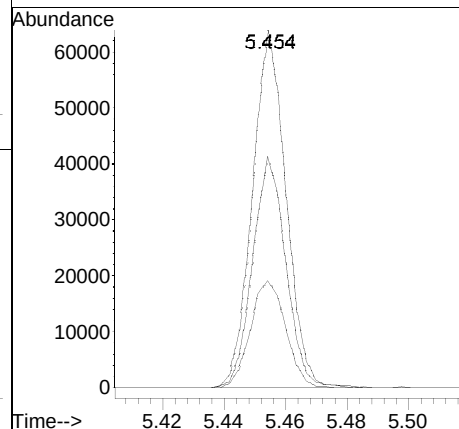
Tgt Ion:	93	Resp:	61789
Ion Ratio	Lower	Upper	
93	100		
95	32.2	25.8	38.8
123	11.8	10.1	15.1

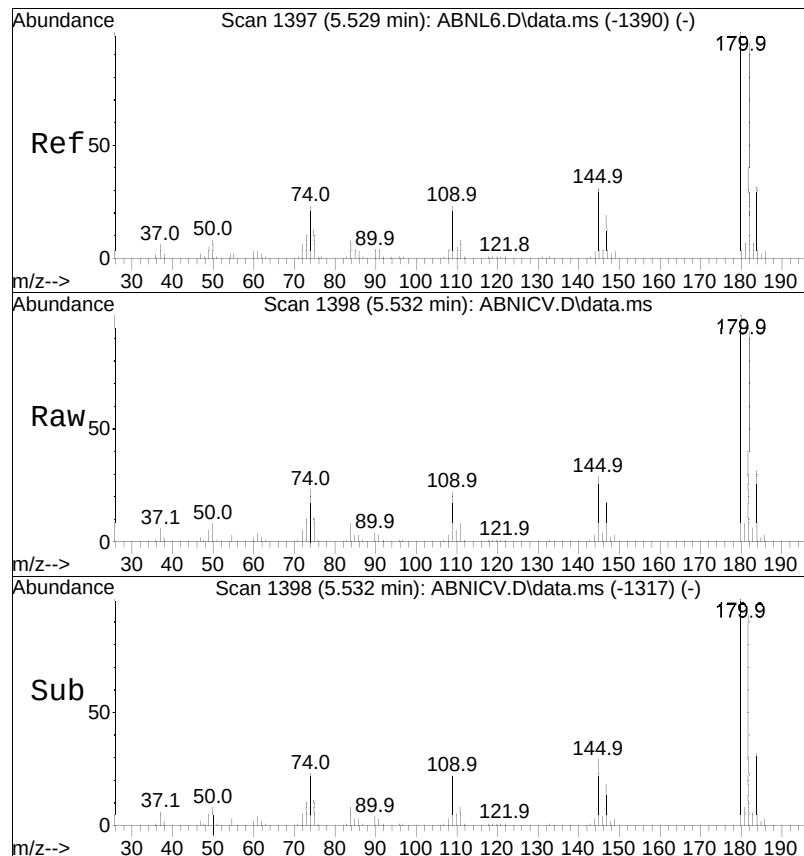




#25
 2,4-Dichlorophenol
 Concen: 4.91 ug/ml
 RT: 5.454 min Scan# 1373
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

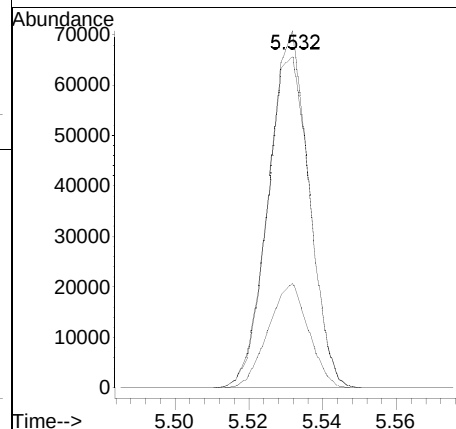
Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.8	51.0	76.4
98	31.6	32.2	48.2#

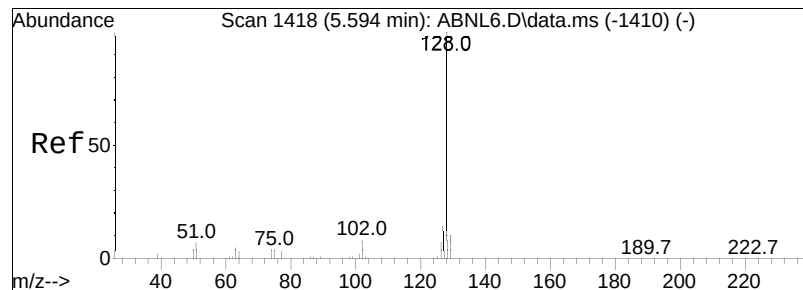




#26
 1,2,4-Trichlorobenzene
 Concen: 4.69 ug/ml
 RT: 5.532 min Scan# 1398
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

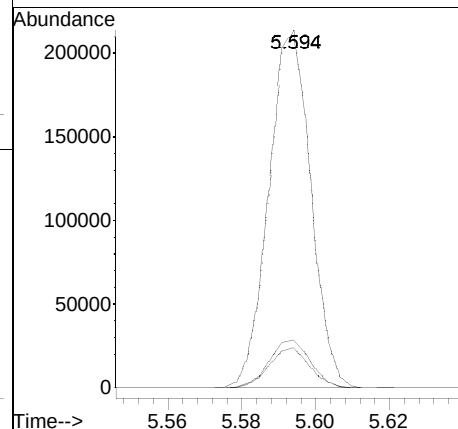
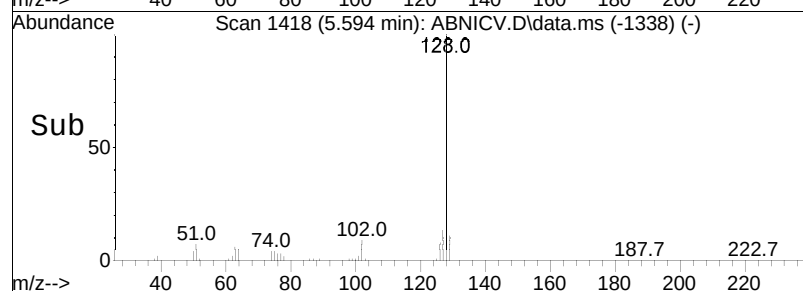
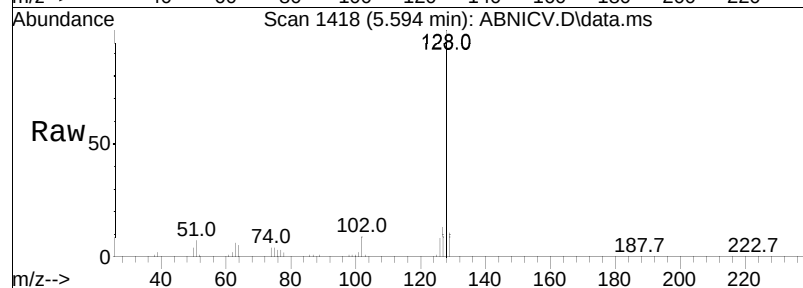
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.0	114.0
145	29.1	25.7	38.5

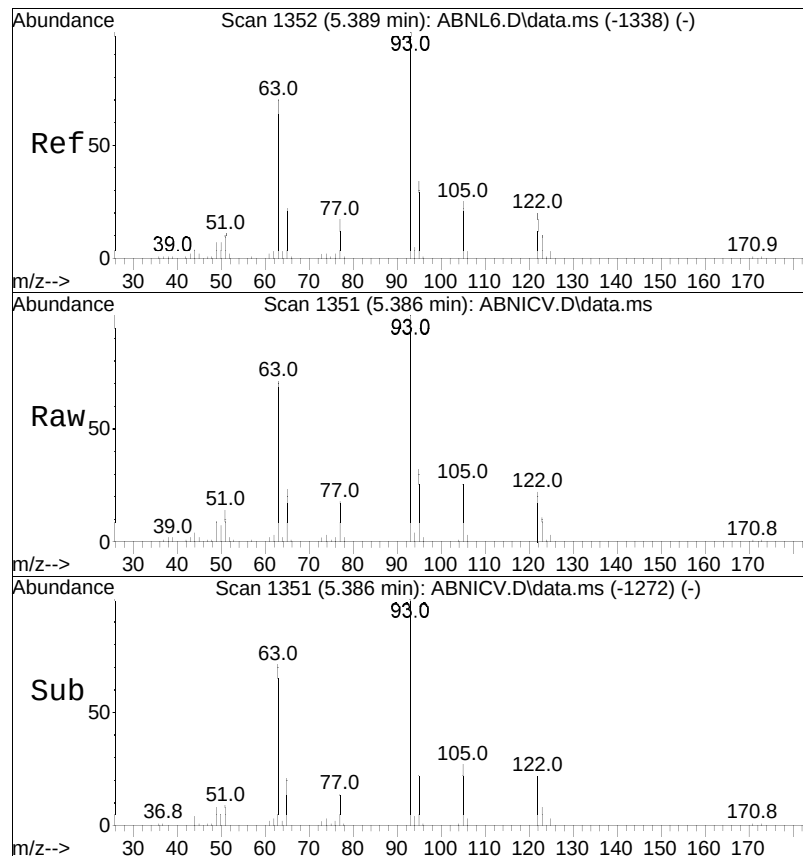




#36
Naphthalene
Concen: 4.75 ug/ml
RT: 5.594 min Scan# 1418
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

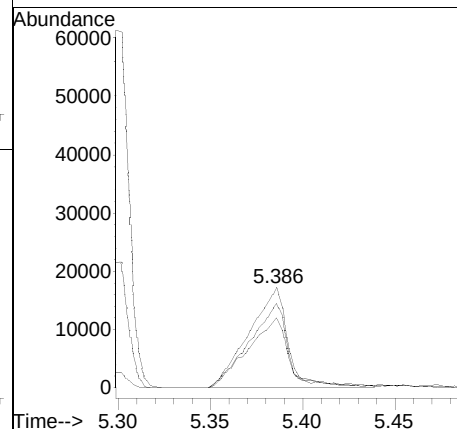
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	167086		
129	10.8		8.7	13.1
127	13.2		10.3	15.5

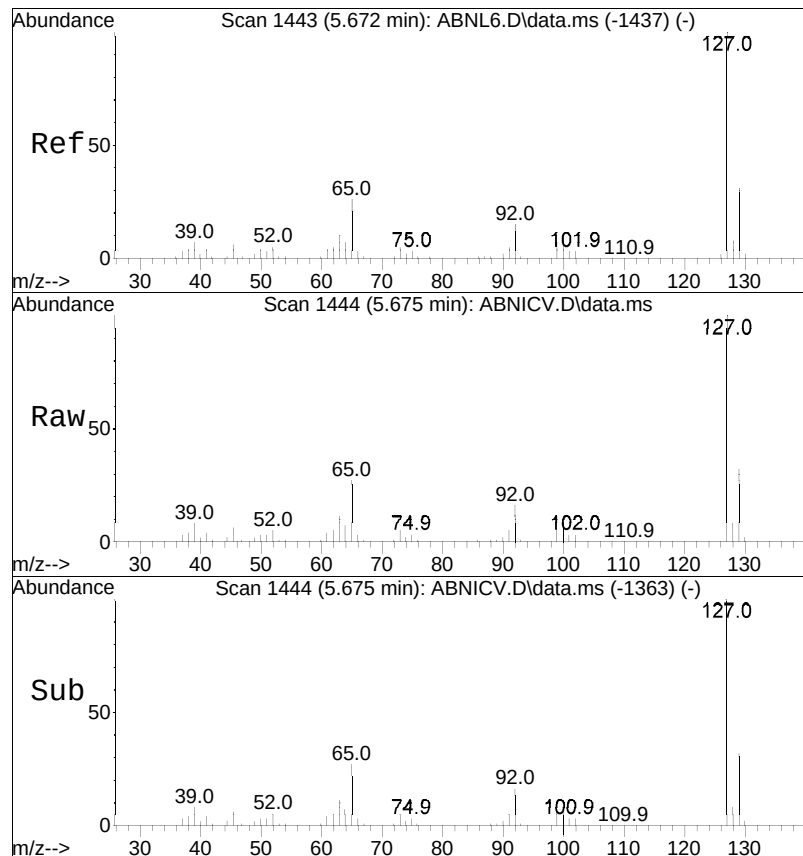




#37
 Benzoic Acid
 Concen: 3.67 ug/ml
 RT: 5.386 min Scan# 1351
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

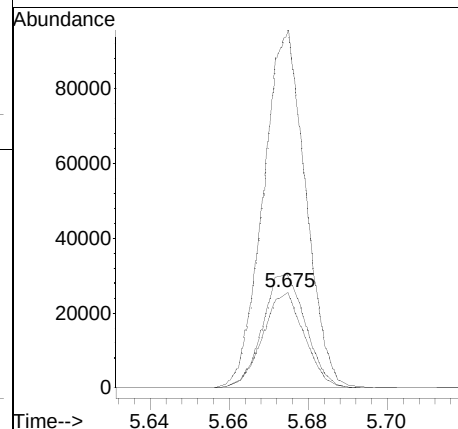
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	25898		
122	84.7		59.9	89.9
77	71.6		60.1	90.1

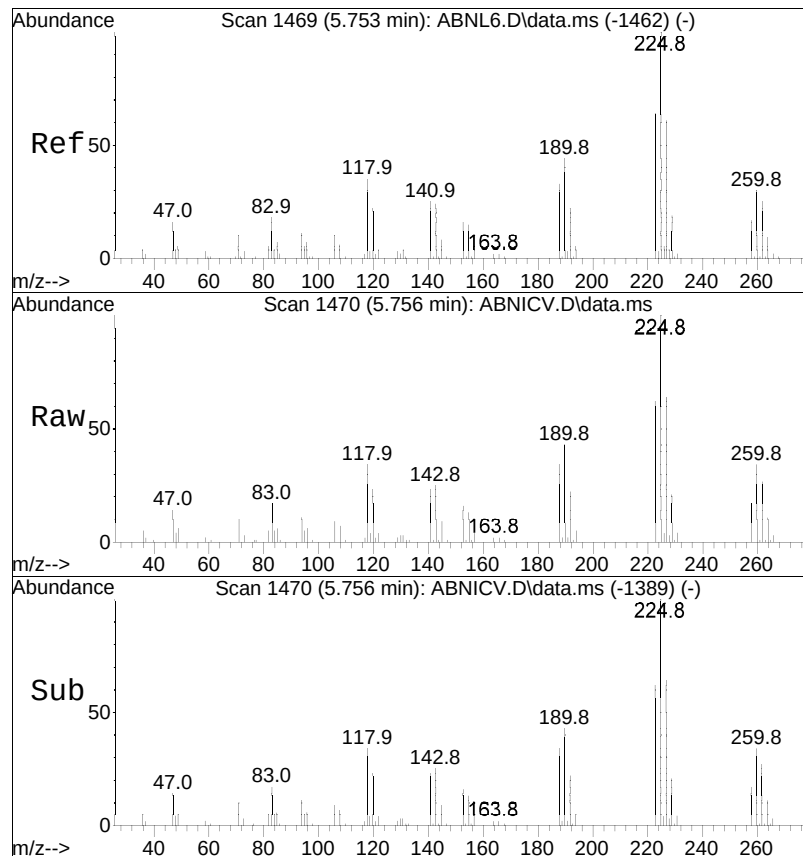




#38
 4-Chloroaniline
 Concen: 4.89 ug/ml
 RT: 5.675 min Scan# 1444
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

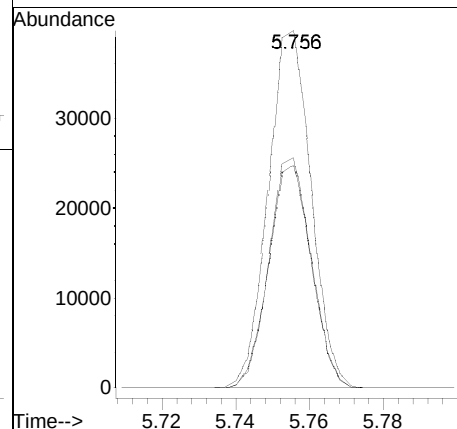
Tgt Ion:	65	Resp:	18628
Ion Ratio	Lower	Upper	
65	100		
127	377.7	237.6	356.4#
129	122.8	76.3	114.5#

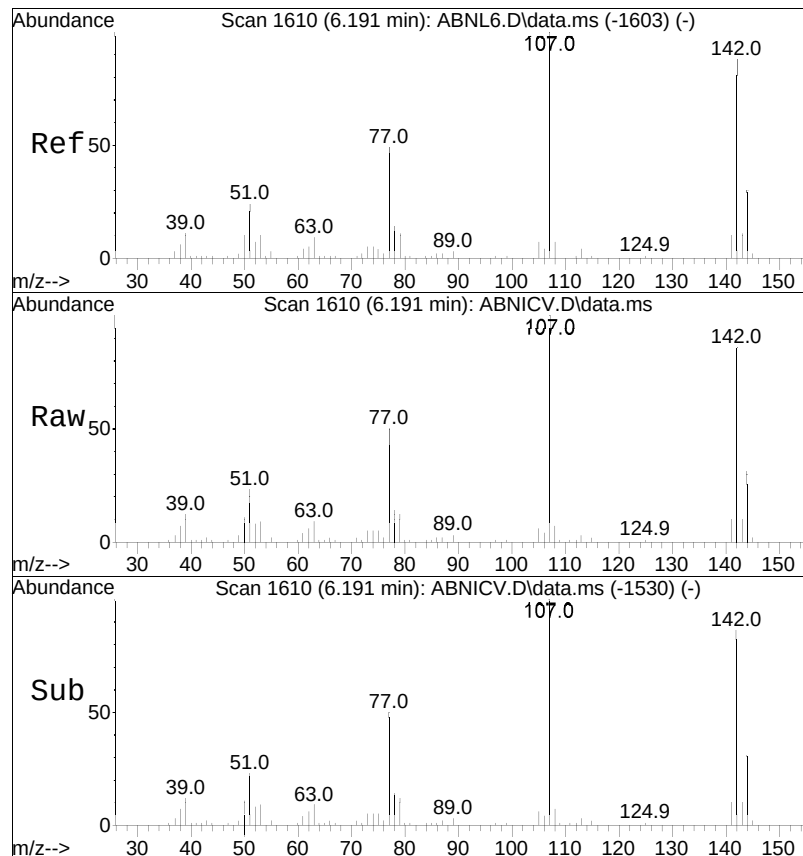




#39
 Hexachlorobutadiene
 Concen: 4.91 ug/ml
 RT: 5.756 min Scan# 1470
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

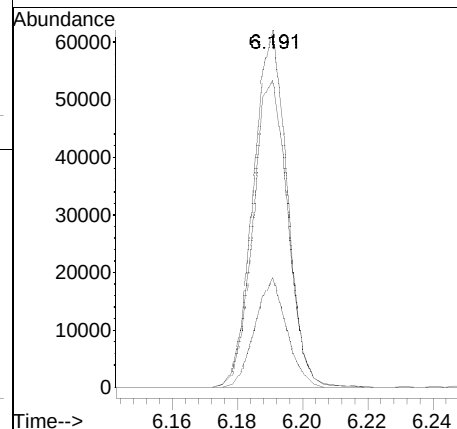
Tgt Ion:	225	Resp:	31995
Ion Ratio	Lower	Upper	
225	100		
223	62.4	50.3	75.5
227	63.6	52.2	78.2

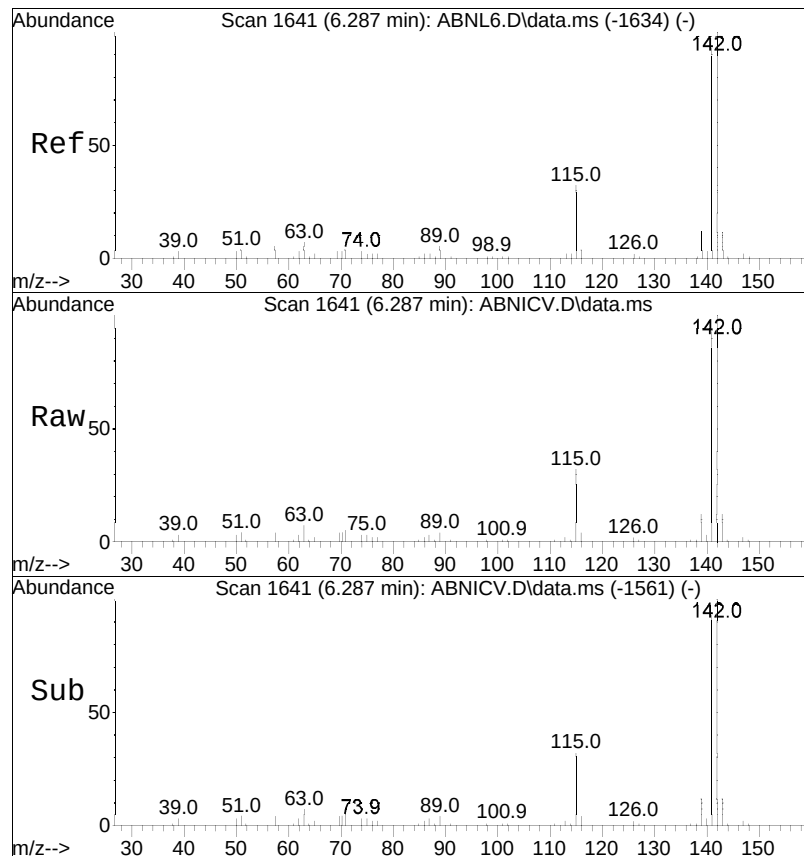




#40
 p-Chloro-m-cresol
 Concen: 4.79 ug/ml
 RT: 6.191 min Scan# 1610
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

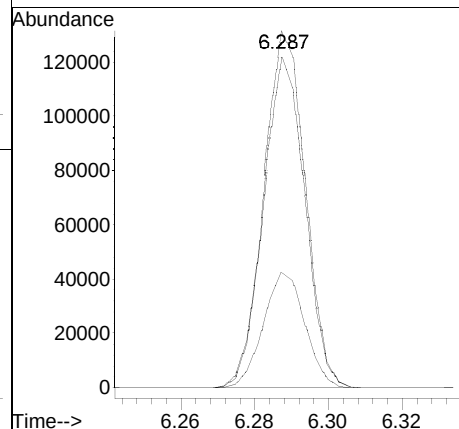
Tgt Ion:	107	Resp:	44260
Ion Ratio	Lower	Upper	
107	100		
144	29.0	20.9	31.3
142	88.4	66.1	99.1

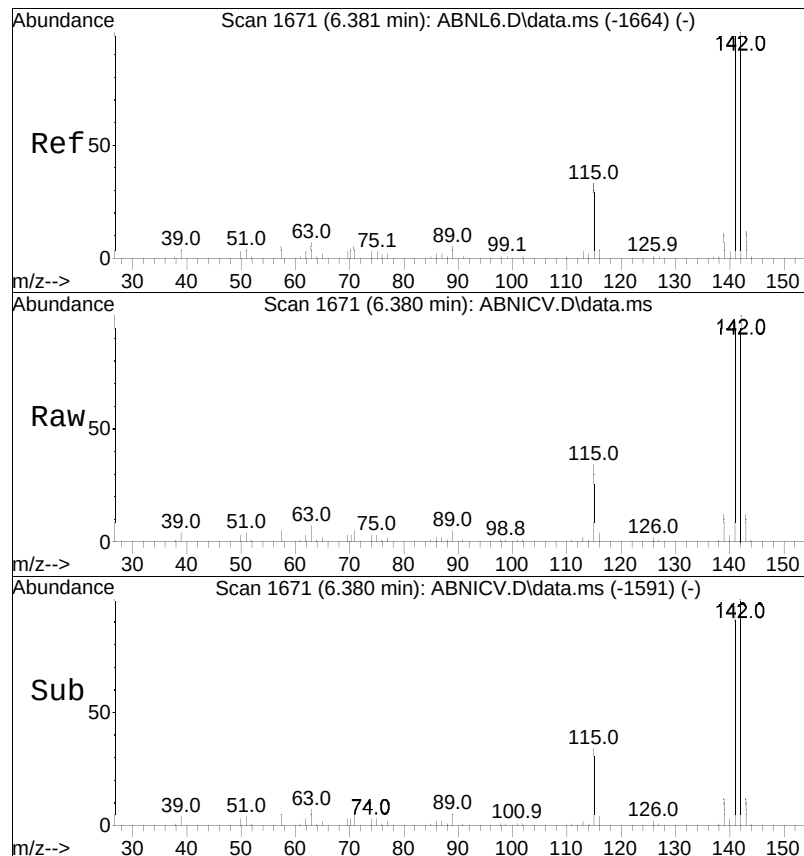




#41
 2-Methylnaphthalene
 Concen: 4.93 ug/ml
 RT: 6.287 min Scan# 1641
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

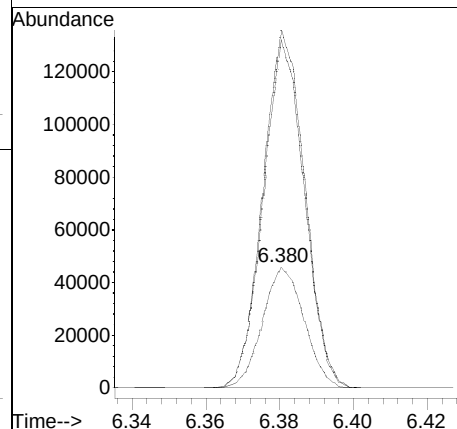
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	69.6	104.4
115	32.4	26.6	40.0

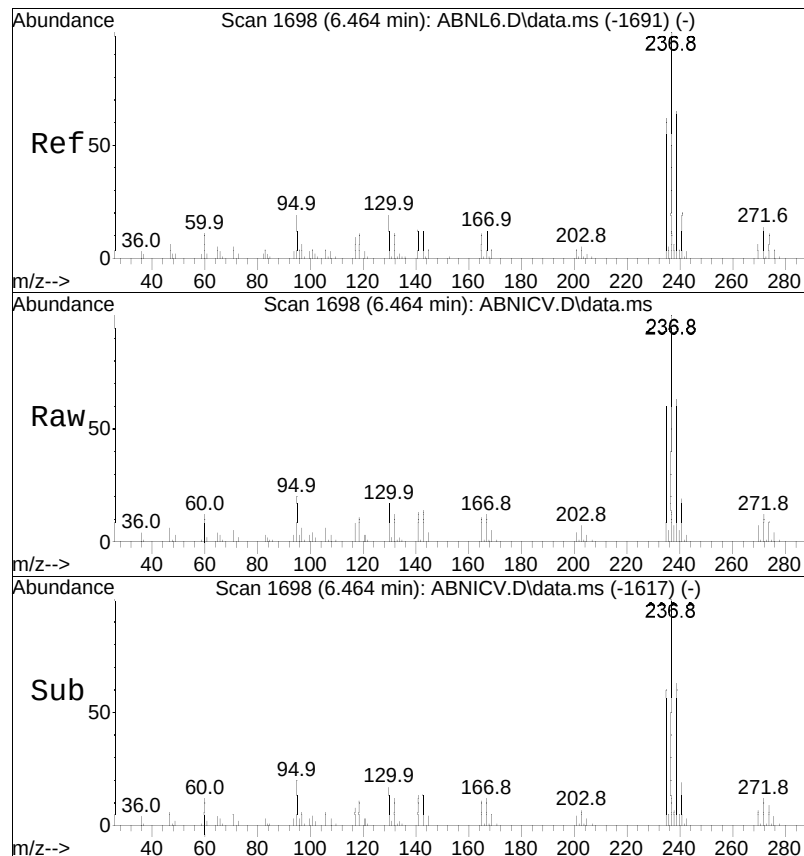




#42
 1-Methylnaphthalene
 Concen: 4.83 ug/ml
 RT: 6.380 min Scan# 1671
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

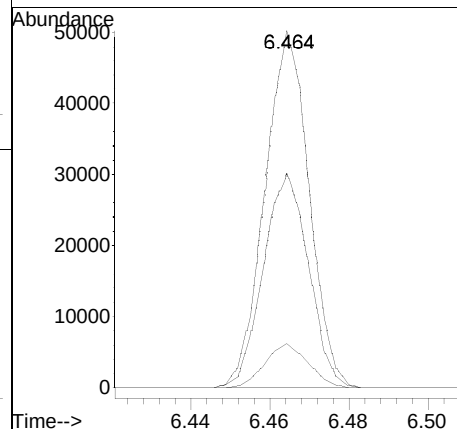
Tgt Ion:	115	Resp:	35694
Ion Ratio	Lower	Upper	
115	100		
141	281.6	207.8	311.6
142	296.1	226.8	340.2

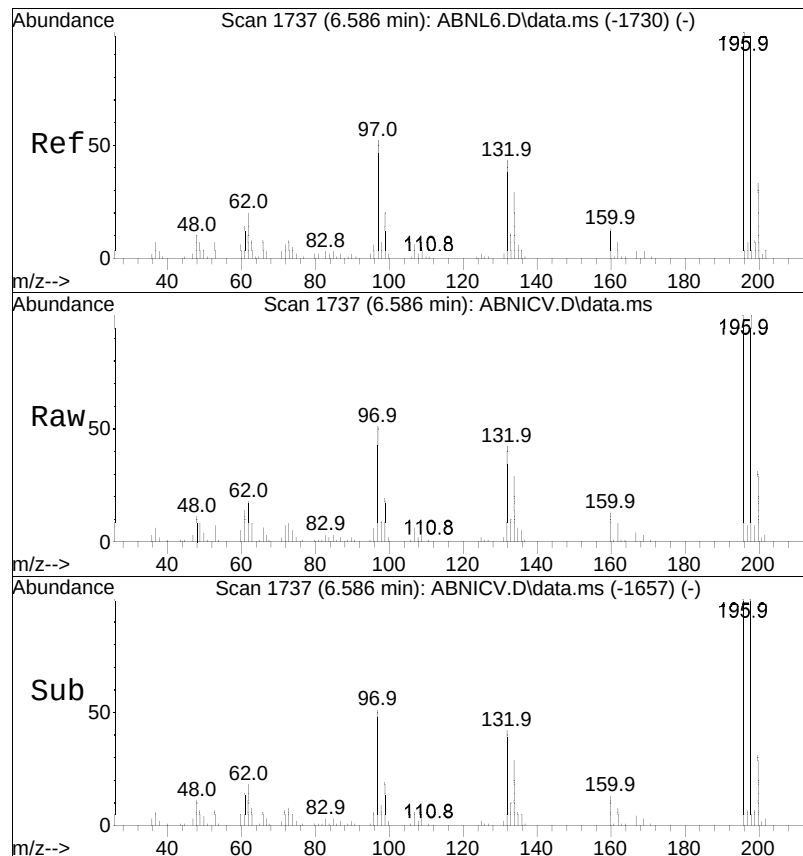




#43
 Hexachlorocyclopentadiene
 Concen: 4.69 ug/ml
 RT: 6.464 min Scan# 1698
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

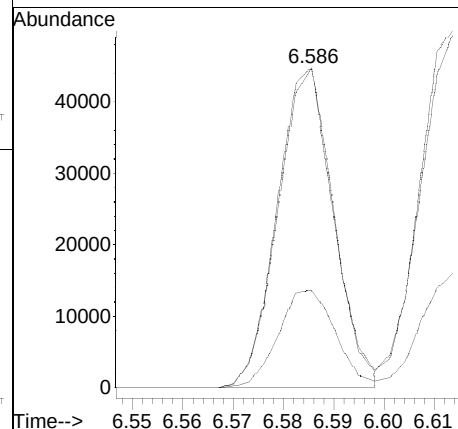
Tgt Ion:	237	Resp:	38722
Ion Ratio	Lower	Upper	
237	100		
235	61.7	49.7	74.5
272	12.3	9.8	14.6

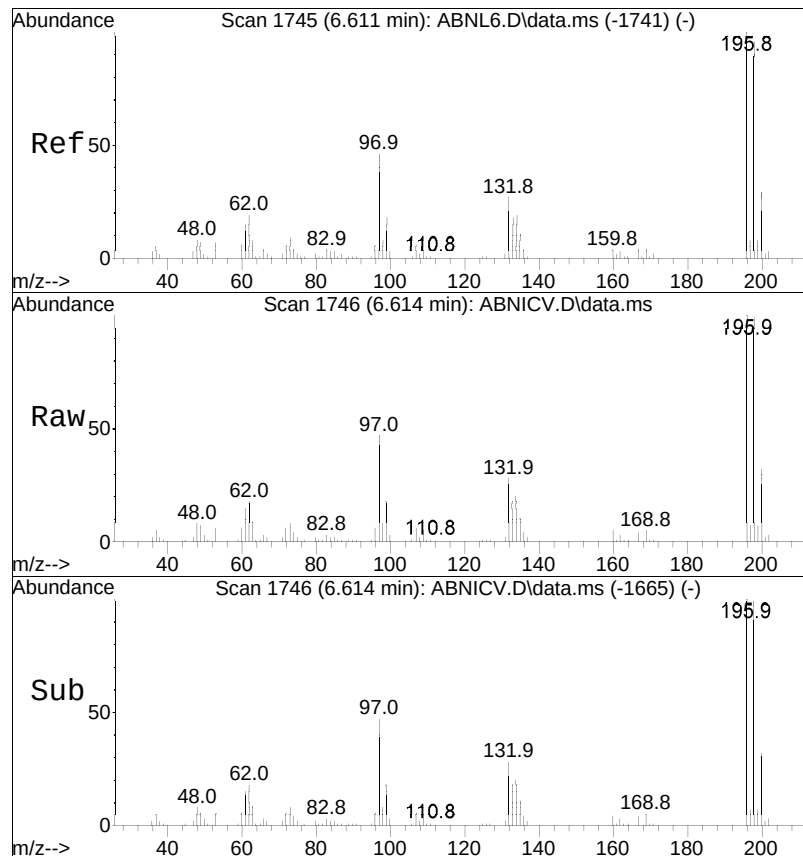




#44
 2,4,6-Trichlorophenol
 Concen: 4.98 ug/ml
 RT: 6.586 min Scan# 1737
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

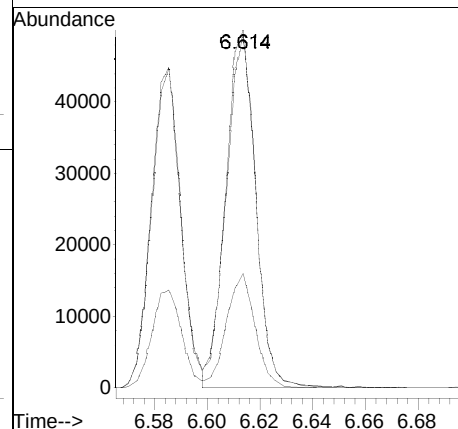
Tgt Ion:	196	Resp:	34572
Ion Ratio	Lower	Upper	
196	100		
198	99.4	77.5	116.3
200	31.4	23.8	35.6

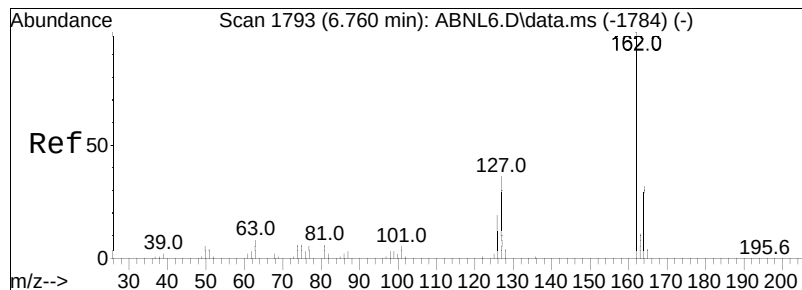




#45
 2,4,5-Trichlorophenol
 Concen: 5.08 ug/ml
 RT: 6.614 min Scan# 1746
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

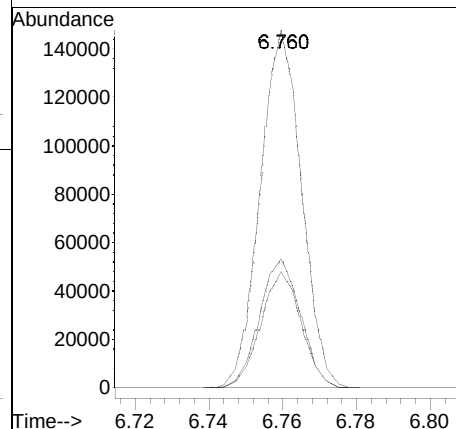
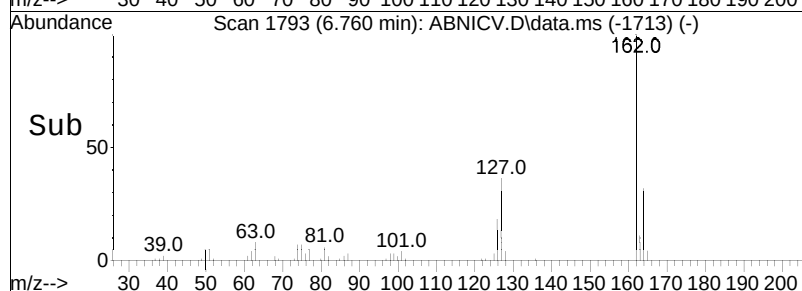
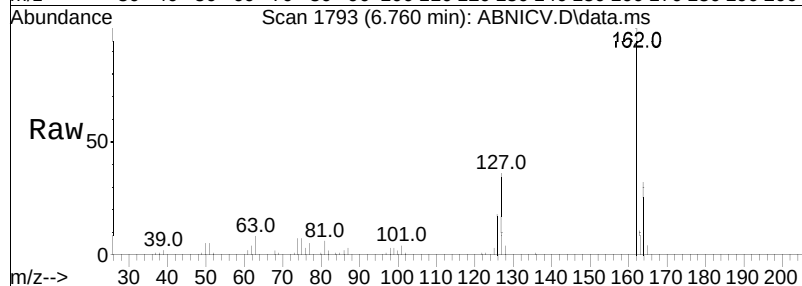
Tgt Ion	Ratio	Lower	Upper
196	100		
200	30.8	25.4	38.0
198	96.1	78.0	117.0

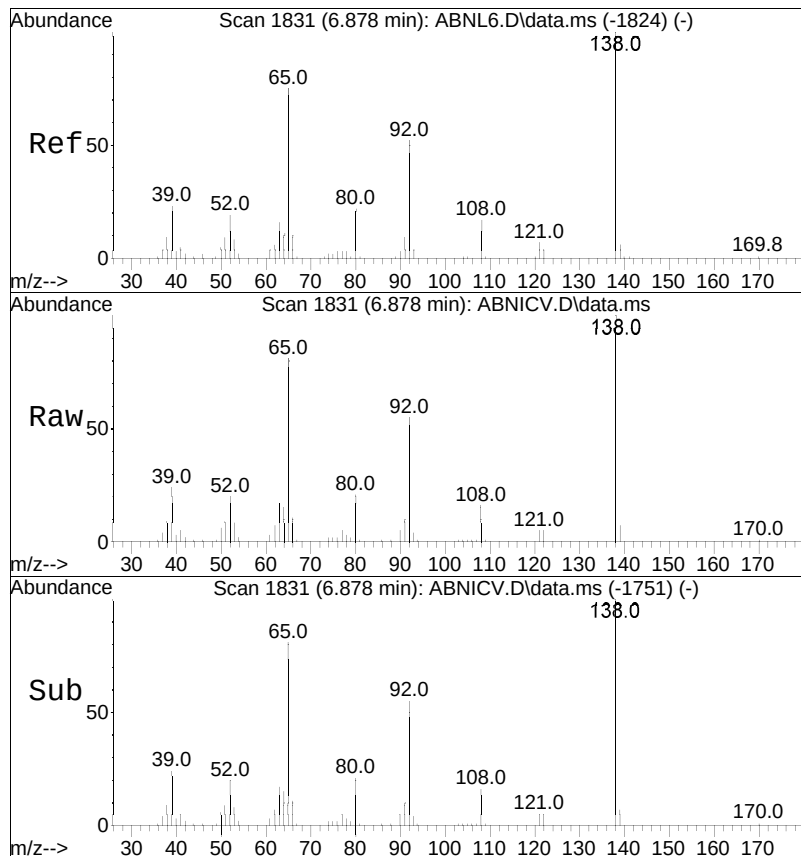




#47
 2-Chloronaphthalene
 Concen: 4.83 ug/ml
 RT: 6.760 min Scan# 1793
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

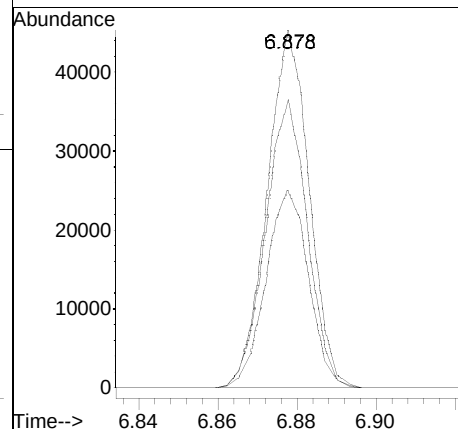
Tgt Ion:	162	Resp:	114228
Ion Ratio	Lower	Upper	
162	100		
127	35.9	32.2	48.4
164	31.9	25.7	38.5

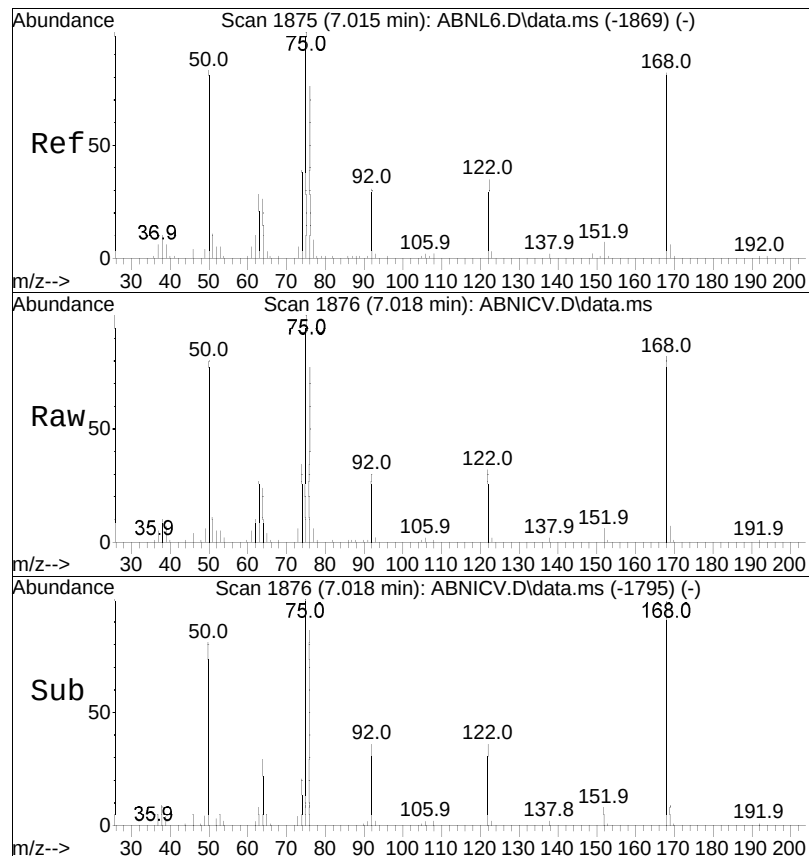




#48
 2-Nitroaniline
 Concen: 4.94 ug/ml
 RT: 6.878 min Scan# 1831
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

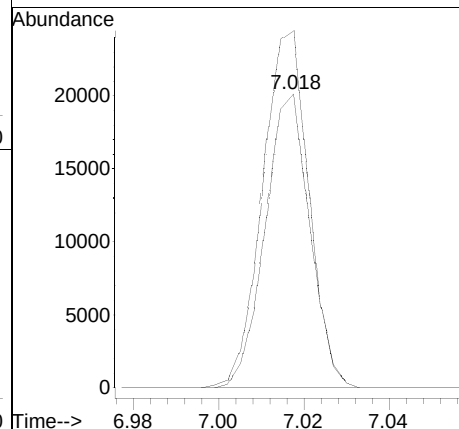
Tgt Ion:	138	Resp:	33114
Ion Ratio	Lower	Upper	
138	100		
92	56.3	53.5	80.3
65	80.3	86.3	129.5#

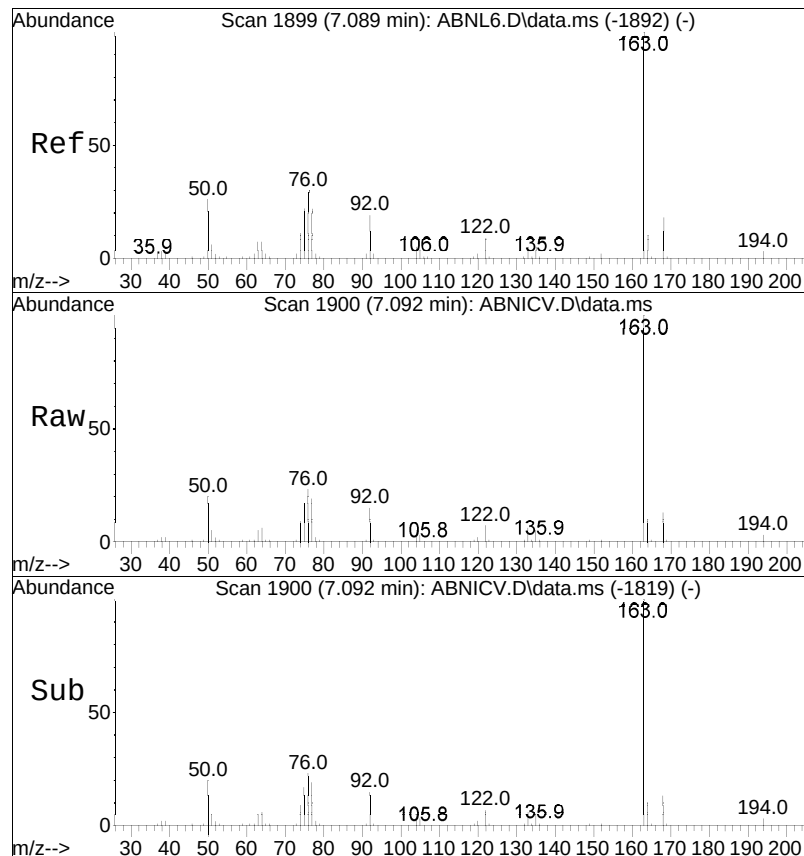




#49
 1,4-Dinitrobenzene
 Concen: 4.65 ug/ml
 RT: 7.018 min Scan# 1876
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

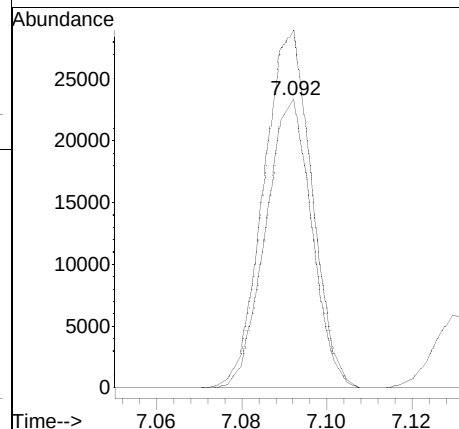
Tgt Ion	Ratio	Lower	Upper
168	100		
75	125.4	121.8	182.8

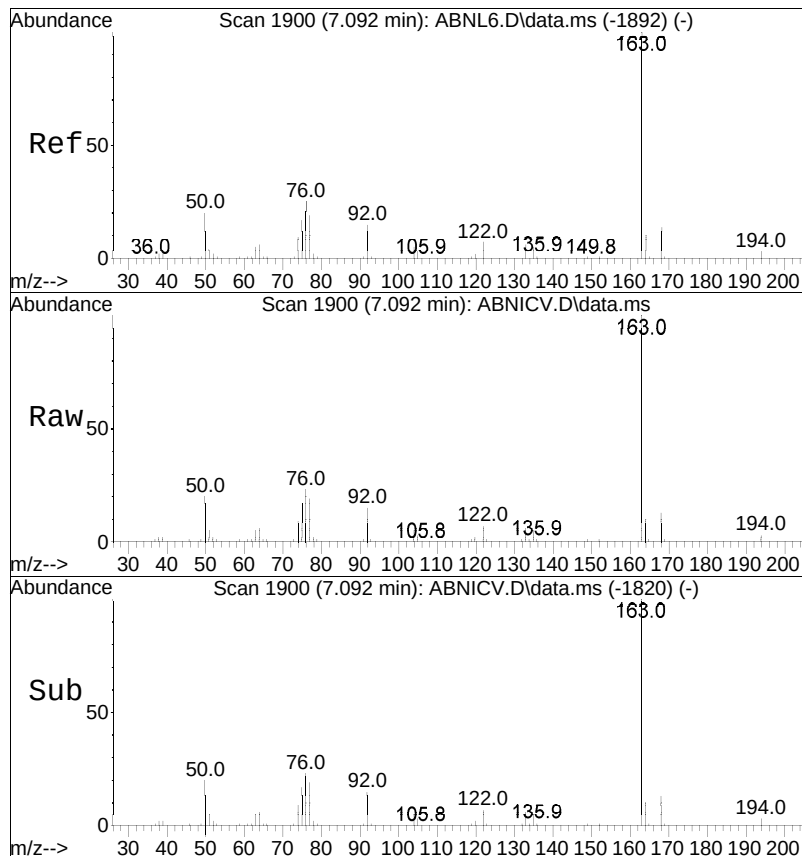




#50
 1,3-Dinitrobenzene
 Concen: 4.81 ug/ml
 RT: 7.092 min Scan# 1900
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

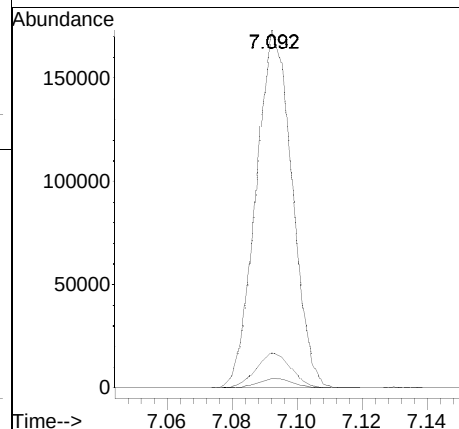
Tgt Ion	Ratio	Lower	Upper
168	100		
75	129.3	22.7	34.1#

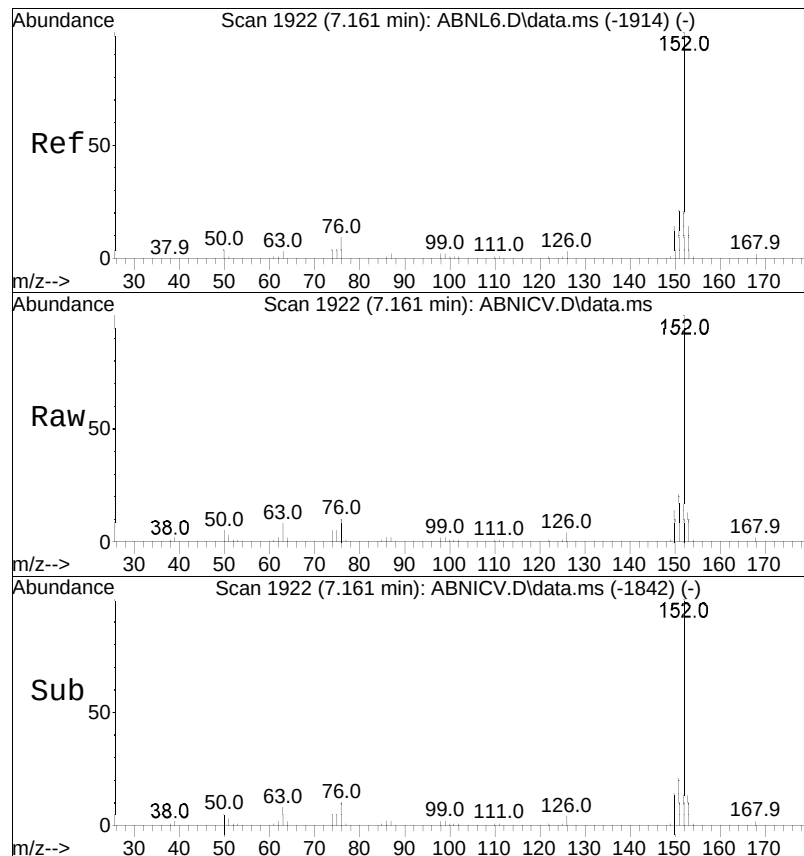




#51
 Dimethyl phthalate
 Concen: 4.75 ug/ml
 RT: 7.092 min Scan# 1900
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

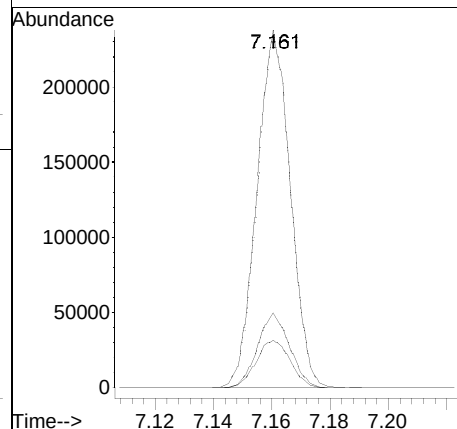
Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.7	3.5	5.3#
164	9.7	7.9	11.9

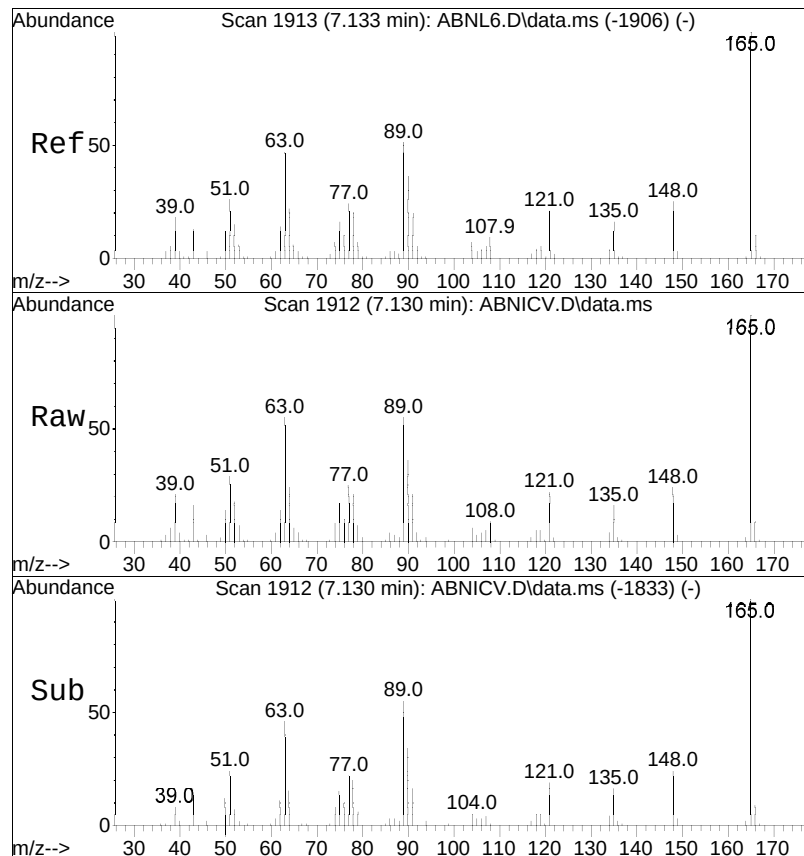




#52
 Acenaphthylene
 Concen: 4.91 ug/ml
 RT: 7.161 min Scan# 1922
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

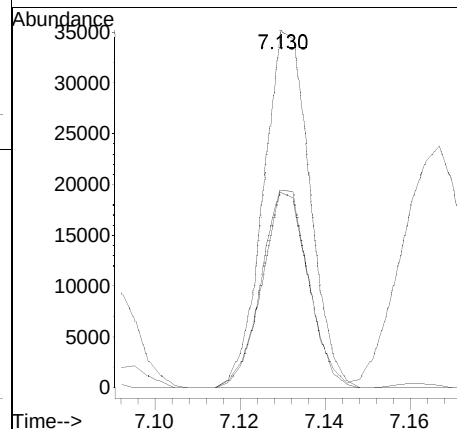
Tgt Ion:	152	Resp:	186814
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.8	23.6
153	13.7	10.5	15.7

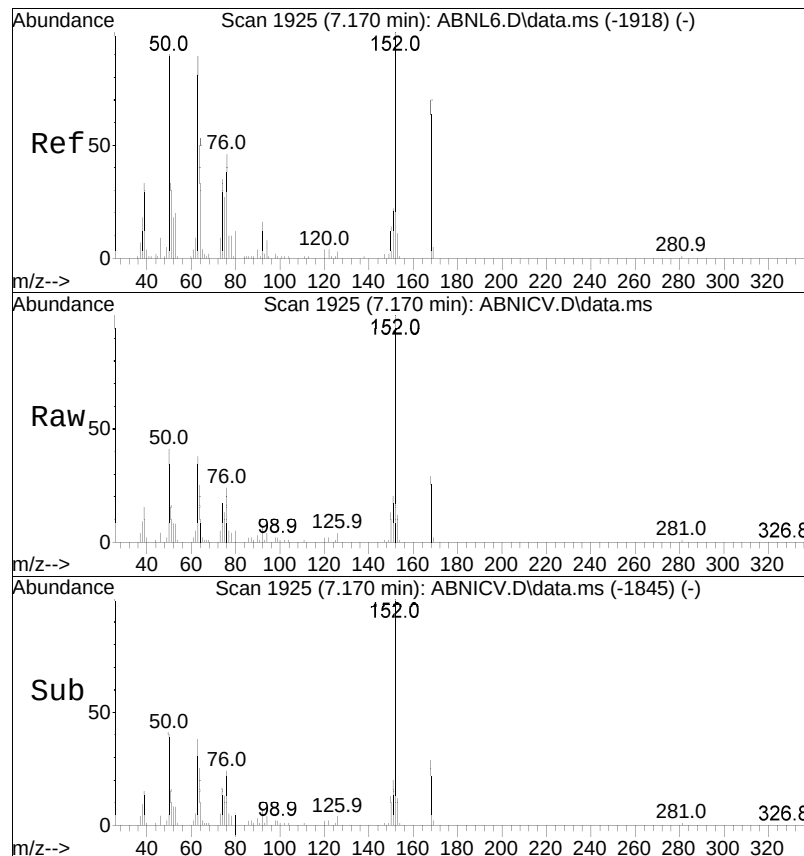




#53
 2,6-Dinitrotoluene
 Concen: 4.91 ug/ml
 RT: 7.130 min Scan# 1912
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

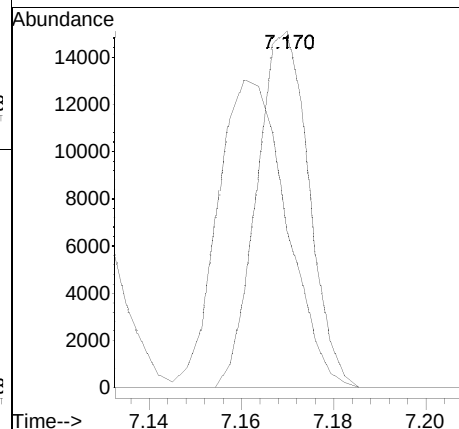
Tgt Ion:	165	Resp:	26686
Ion Ratio	Lower	Upper	
165	100		
89	54.4	54.2	81.2
63	56.6	64.2	96.2#

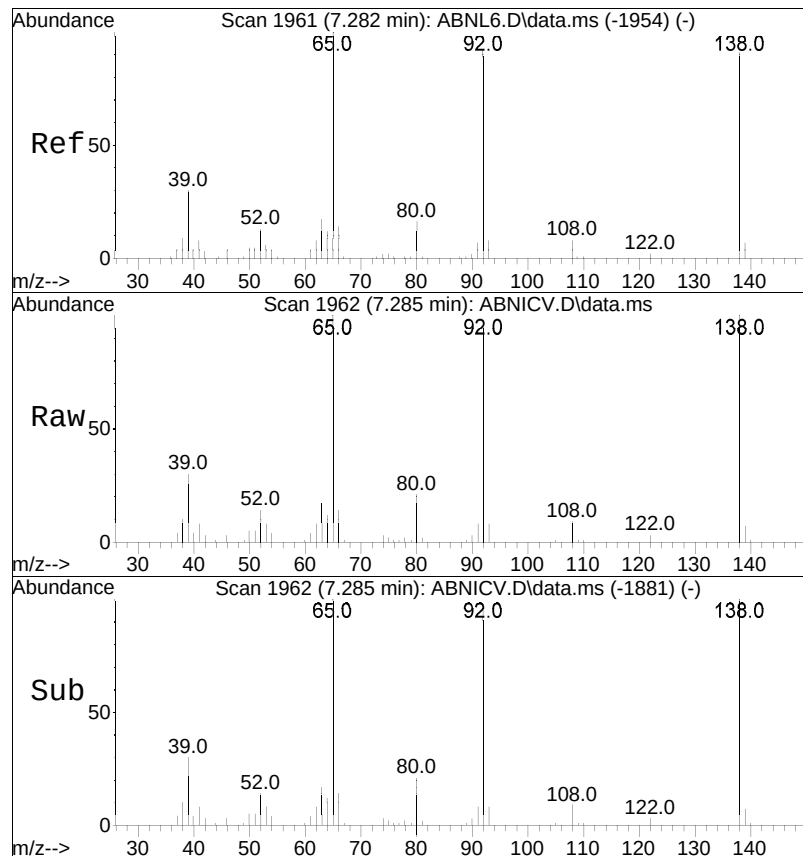




#54
 1,2-Dinitrobenzene
 Concen: 5.01 ug/ml
 RT: 7.170 min Scan# 1925
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

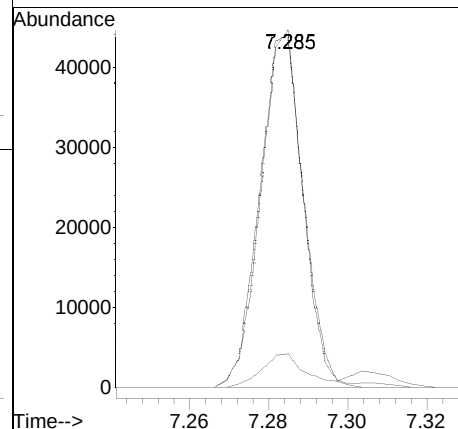
Tgt Ion	Ratio	Lower	Upper
168	100		
75	113.8	30.9	46.3#

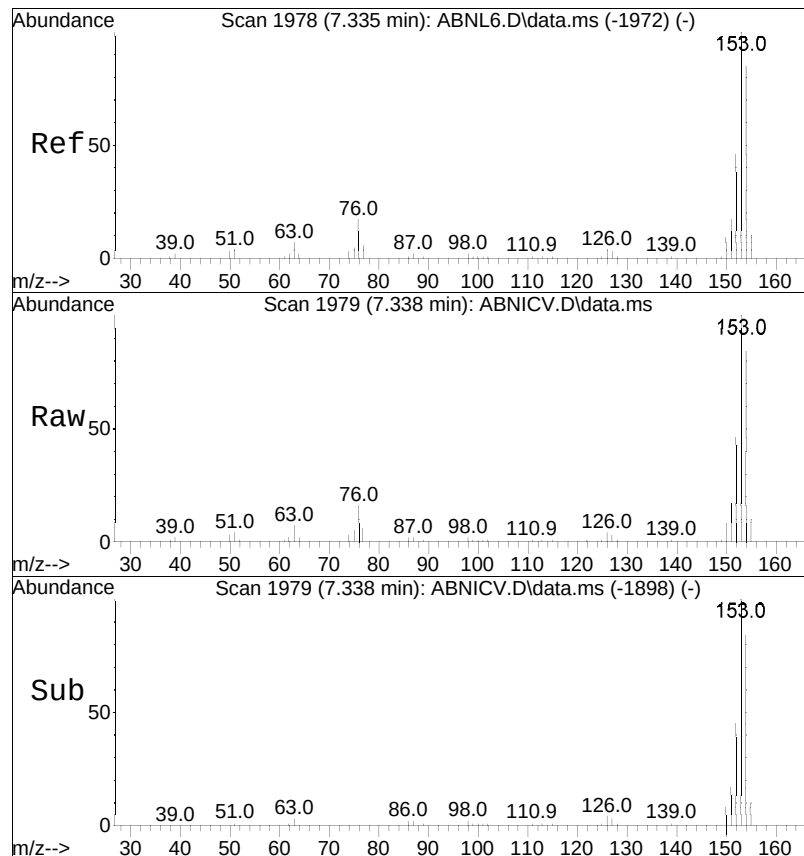




#64
 3-Nitroaniline
 Concen: 4.85 ug/ml
 RT: 7.285 min Scan# 1962
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

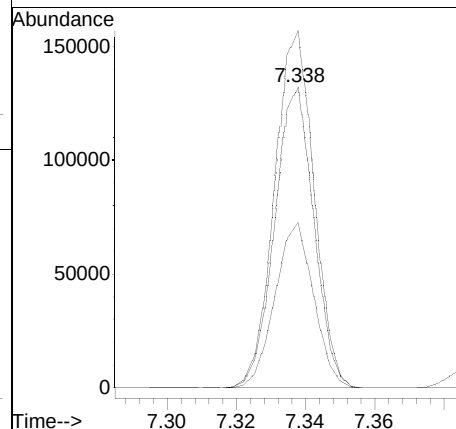
Tgt Ion:	138	Resp:	32931
Ion Ratio	Lower	Upper	
138	100		
92	101.6	93.4	140.2
108	9.9	9.5	14.3

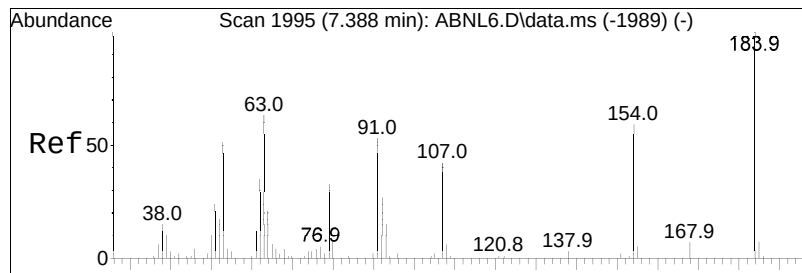




#65
 Acenaphthene
 Concen: 4.59 ug/ml
 RT: 7.338 min Scan# 1979
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

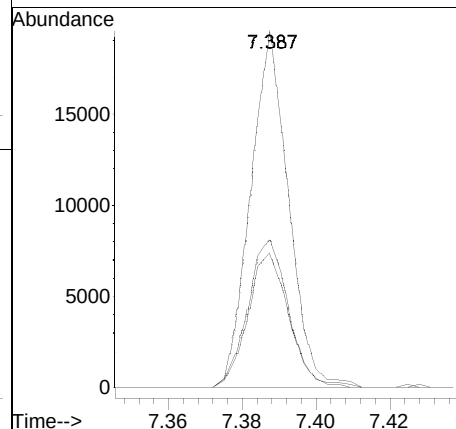
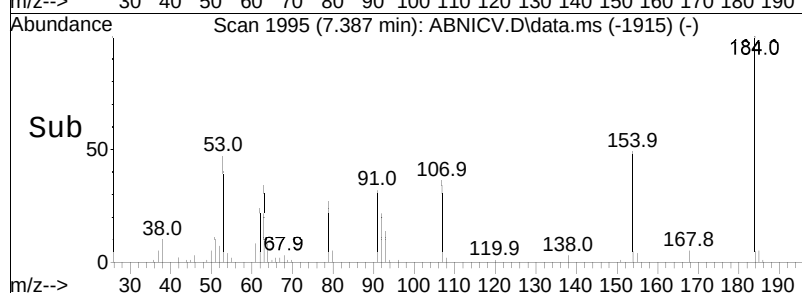
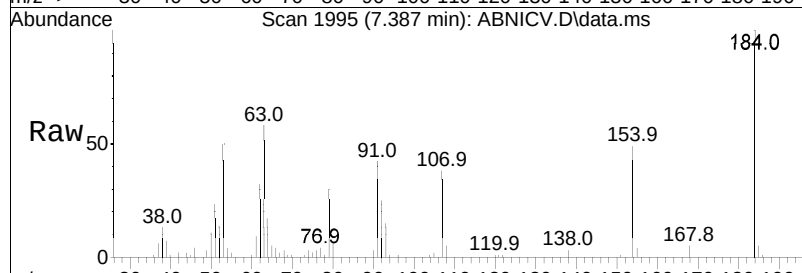
Tgt Ion:	154	Resp:	103552
Ion Ratio	Lower	Upper	
154	100		
153	119.6	85.3	127.9
152	54.3	41.4	62.0

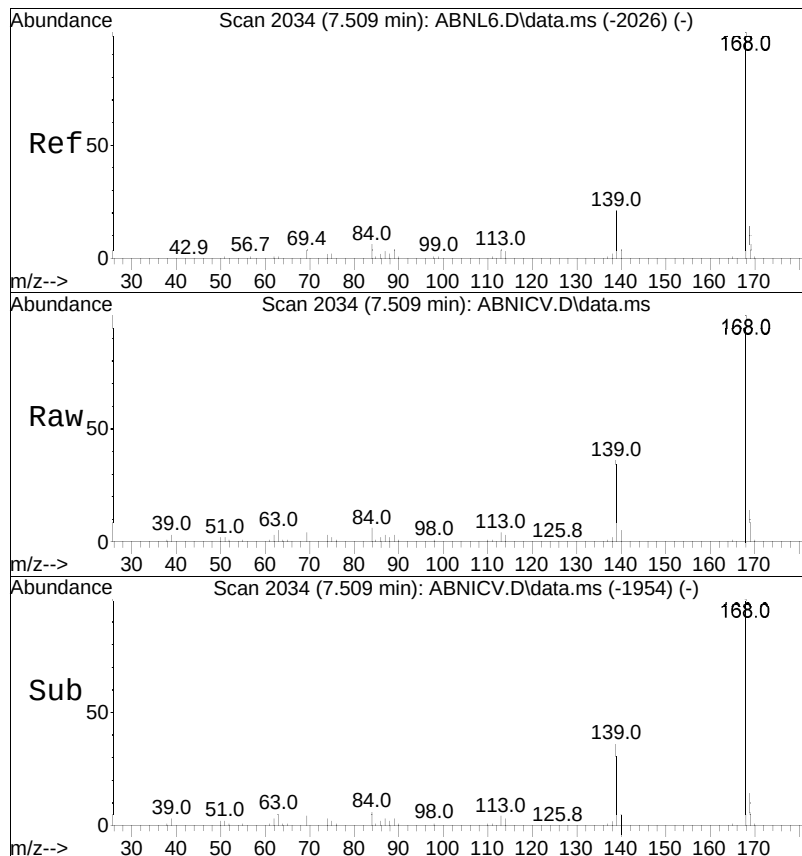




#66
 2,4-Dinitrophenol
 Concen: 4.22 ug/ml
 RT: 7.387 min Scan# 1995
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

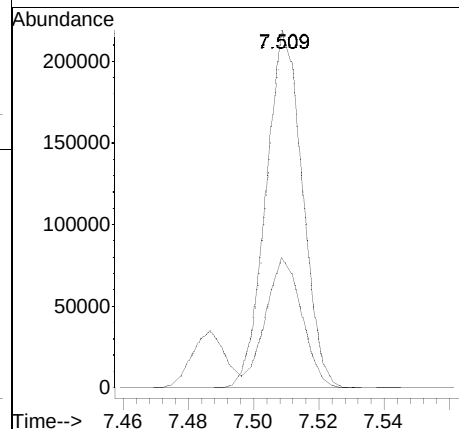
Tgt Ion:	184	Resp:	13885
Ion Ratio	Lower	Upper	
184	100		
107	40.8	37.7	56.5
91	45.1	46.3	69.5#

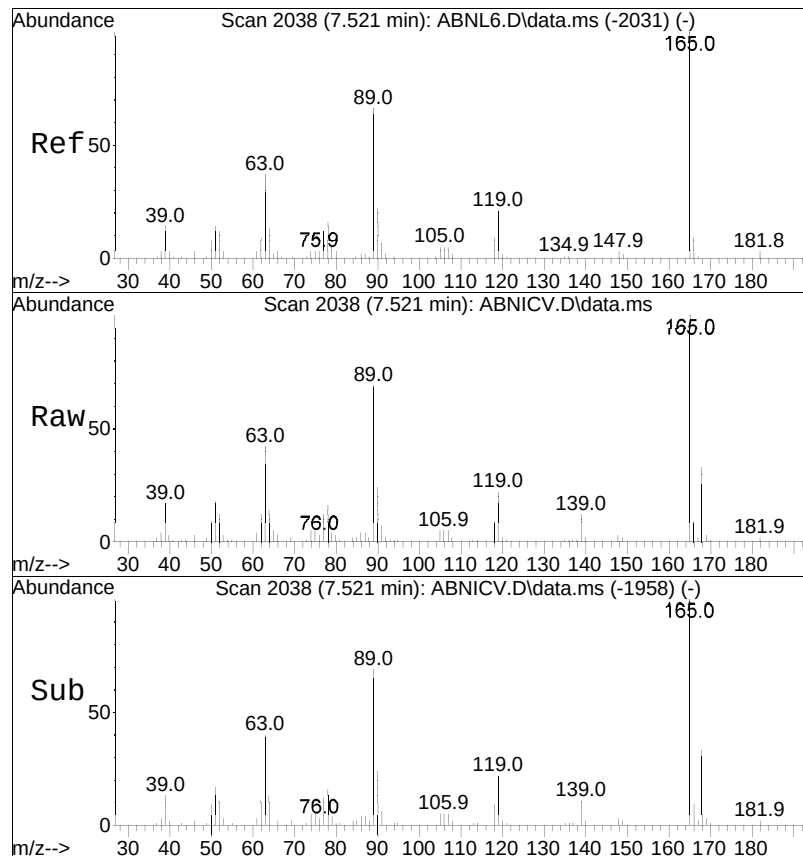




#67
 Dibenzofuran
 Concen: 4.61 ug/ml
 RT: 7.509 min Scan# 2034
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

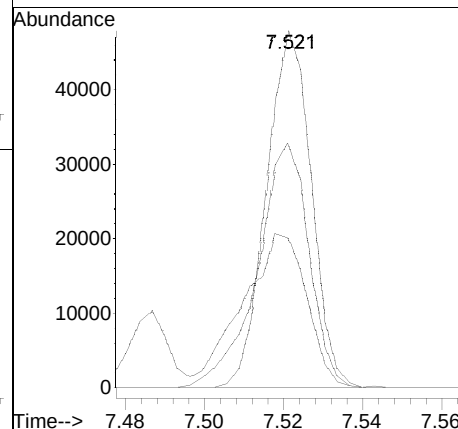
Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.2	31.4	47.2

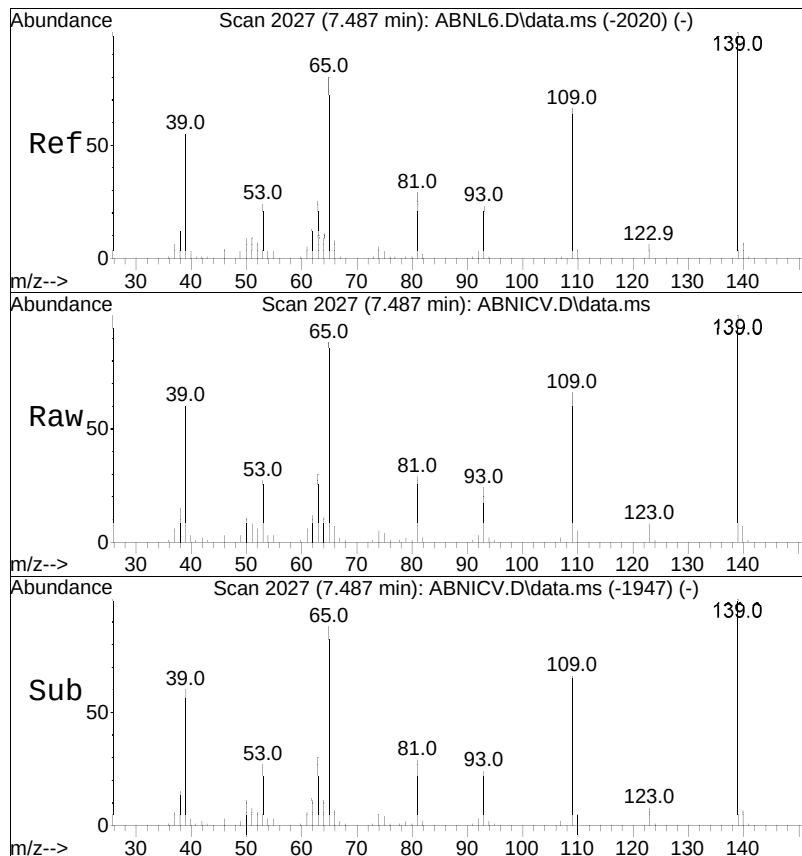




#68
 2,4-Dinitrotoluene
 Concen: 4.92 ug/ml
 RT: 7.521 min Scan# 2038
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

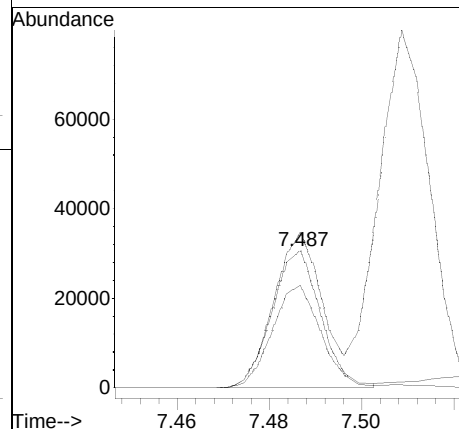
Tgt Ion	Ratio	Lower	Upper
165	100		
89	78.9	72.0	108.0
63	61.7	52.7	79.1

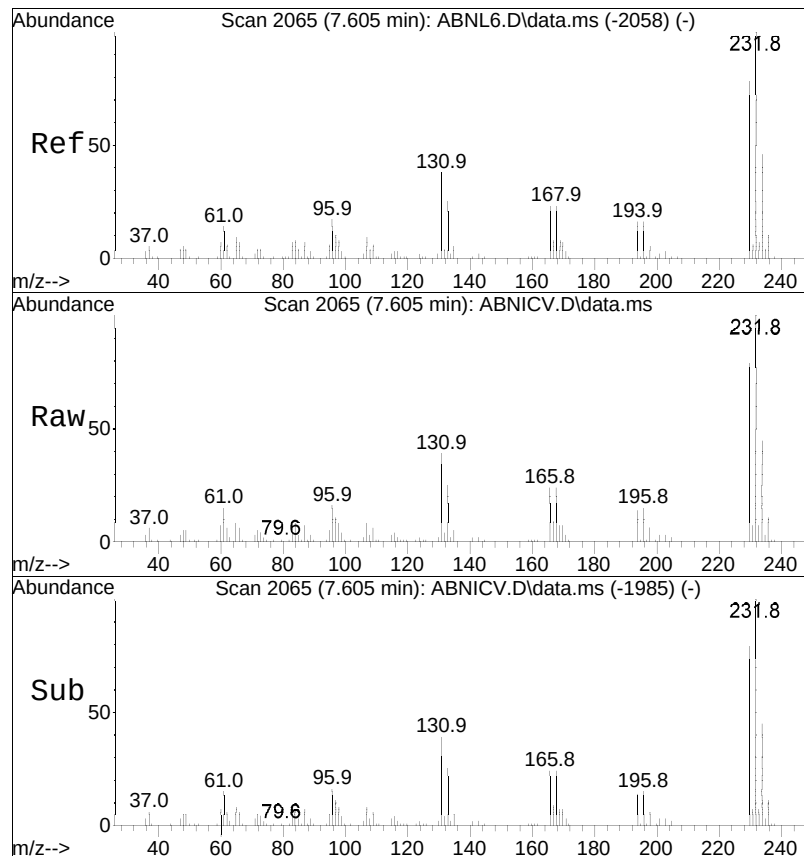




#69
 4-Nitrophenol
 Concen: 4.76 ug/ml
 RT: 7.487 min Scan# 2027
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

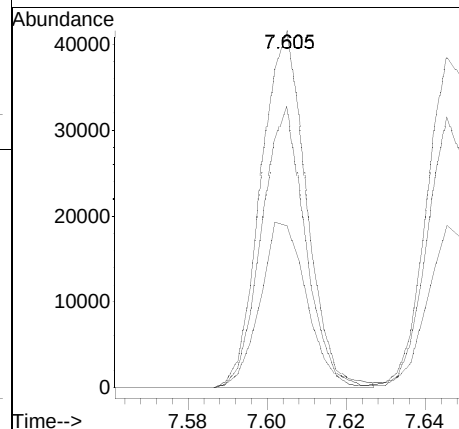
Tgt Ion:	65	Resp:	22550
Ion Ratio	Lower	Upper	
65	100		
109	77.6	47.4	71.2#
139	113.8	76.6	115.0

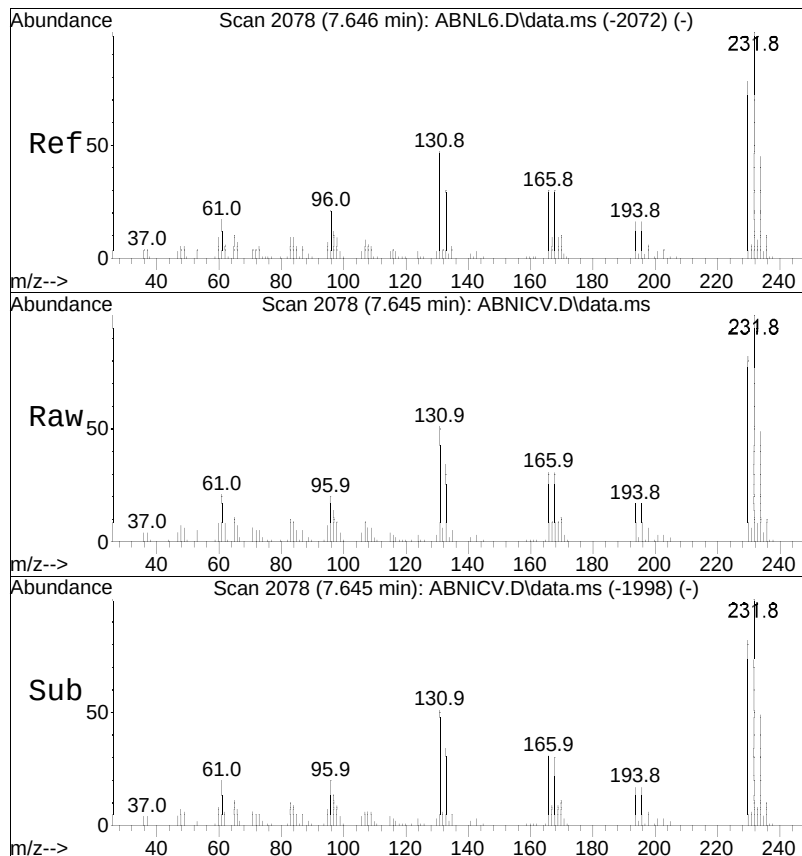




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 4.94 ug/ml
 RT: 7.605 min Scan# 2065
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

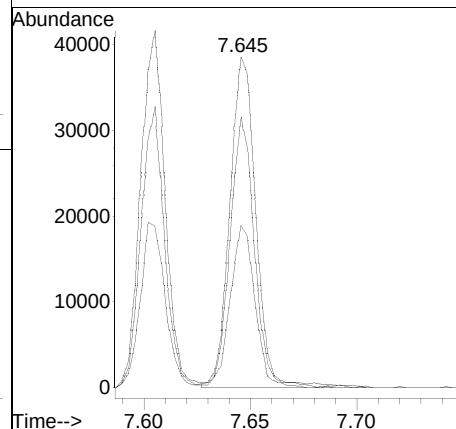
Tgt Ion:	232	Resp:	33383
Ion Ratio	Lower	Upper	
232	100		
230	75.4	64.2	96.4
234	47.2	38.1	57.1

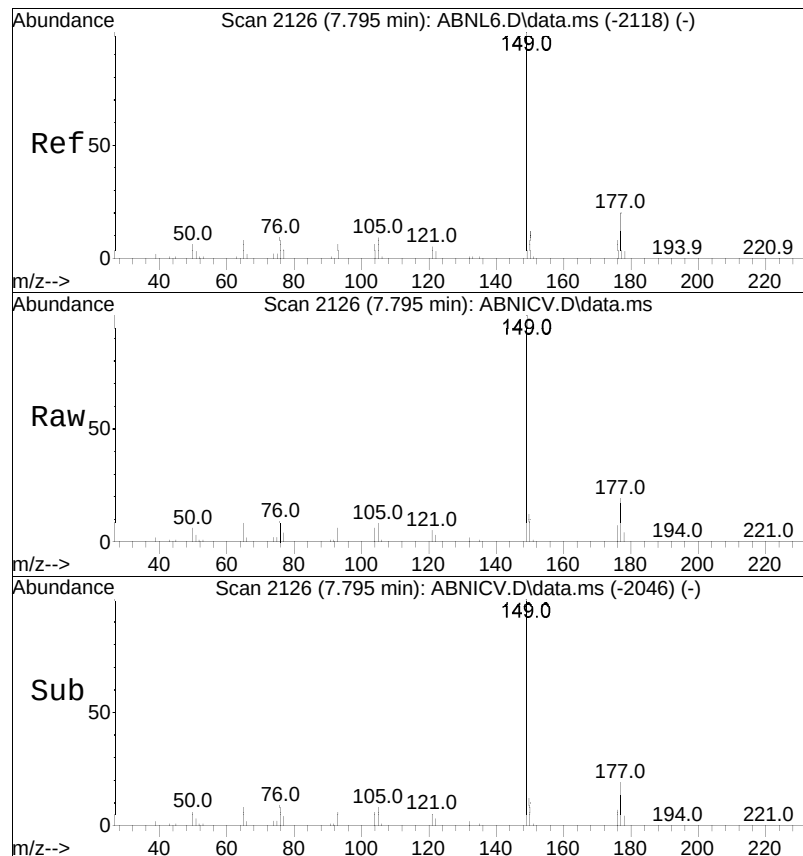




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 5.03 ug/ml
 RT: 7.645 min Scan# 2078
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

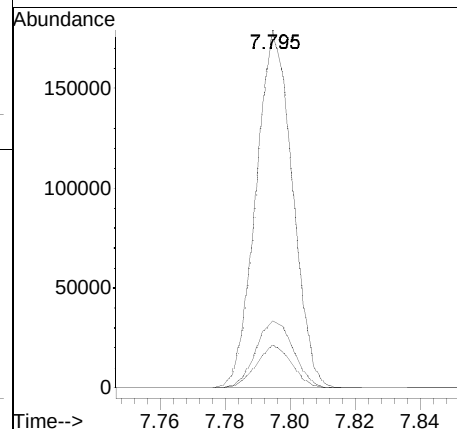
Tgt Ion:	232	Resp:	32978
Ion Ratio	Lower	Upper	
232	100		
230	76.5	61.8	92.8
234	46.8	36.2	54.2

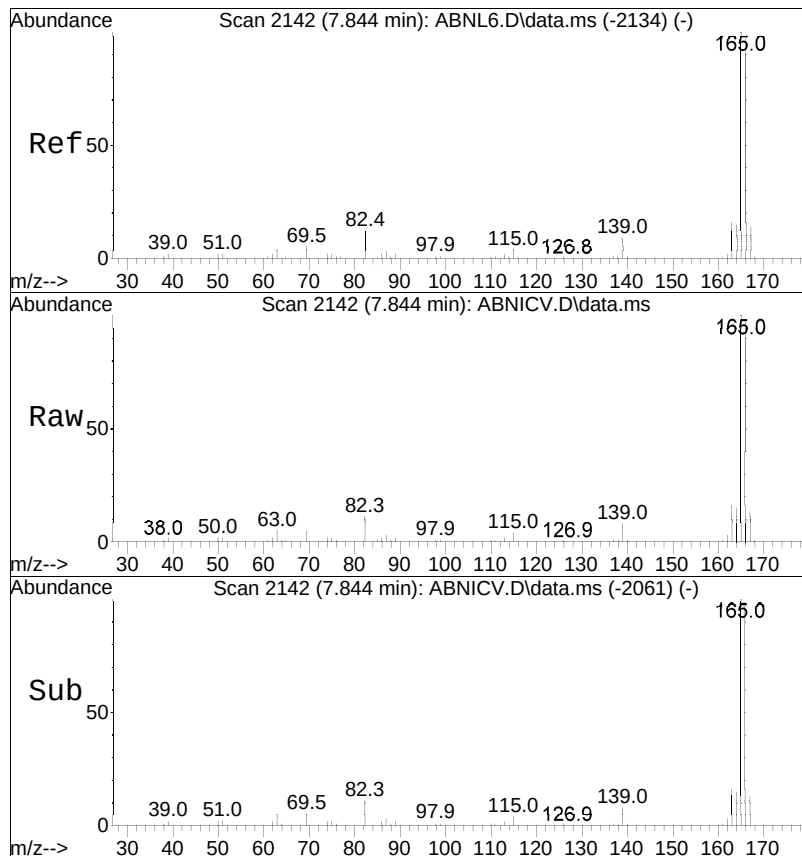




#72
 Diethyl phthalate
 Concen: 4.57 ug/ml
 RT: 7.795 min Scan# 2126
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

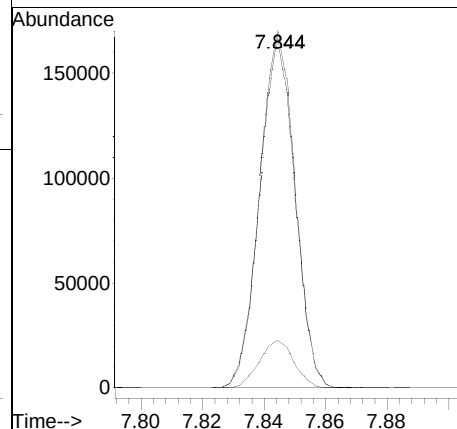
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	137837		
177	19.4		16.1	24.1
150	11.8		9.4	14.2

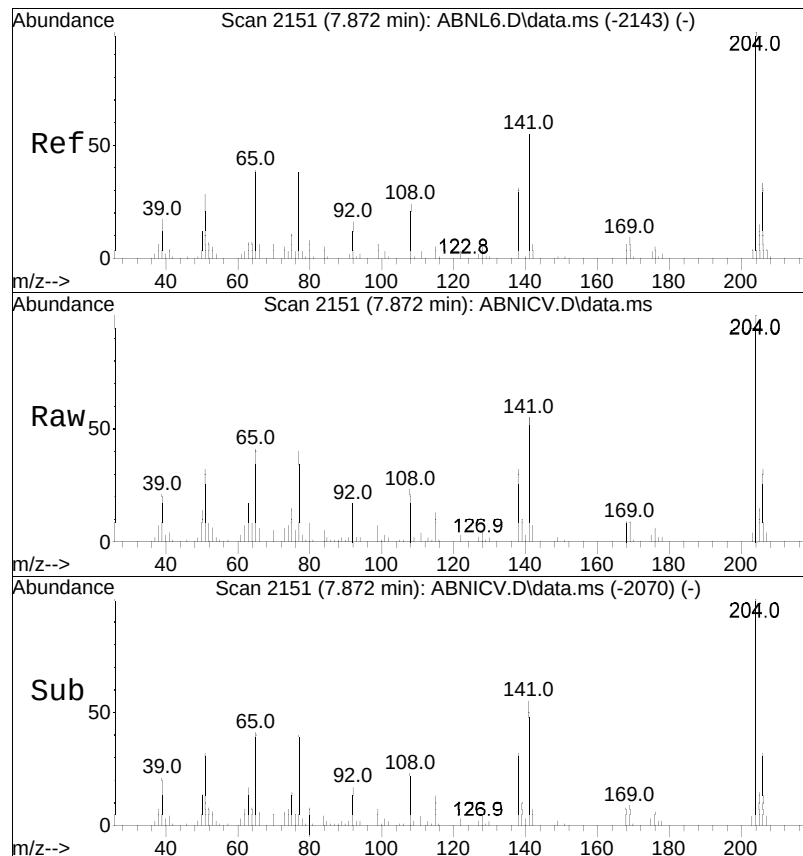




#73
 Fluorene
 Concen: 4.57 ug/ml
 RT: 7.844 min Scan# 2142
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

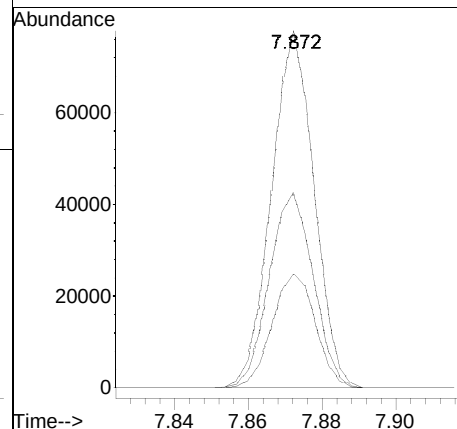
Tgt Ion:	166	Resp:	131518
Ion Ratio	Lower	Upper	
166	100		
165	103.2	76.2	114.2
167	13.6	10.6	15.8

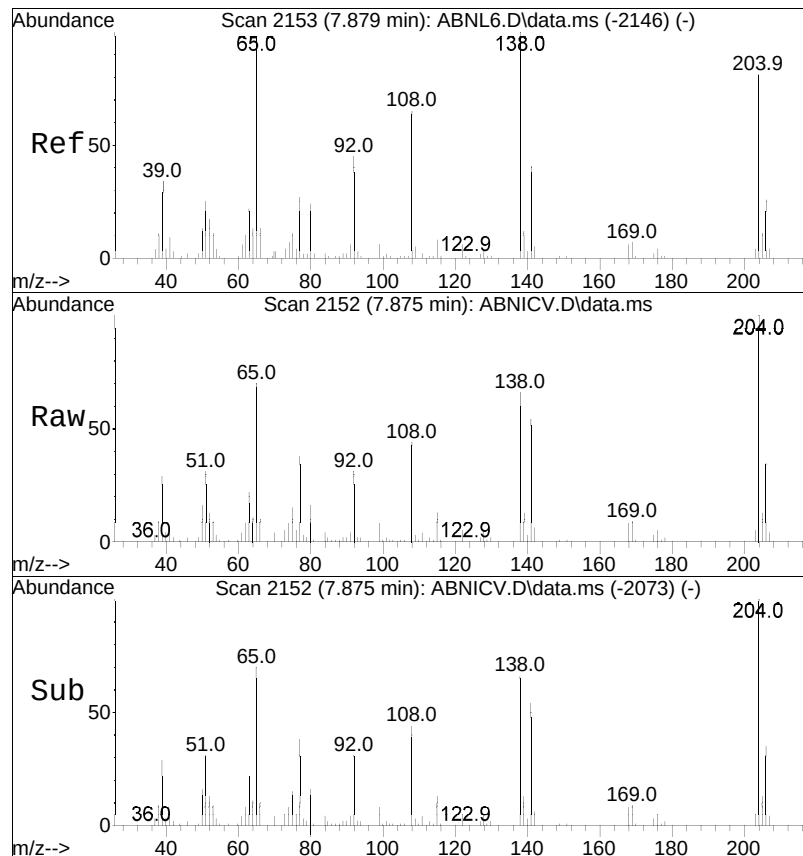




#74
 4-Chlorophenyl phenyl ether
 Concen: 4.54 ug/ml
 RT: 7.872 min Scan# 2151
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

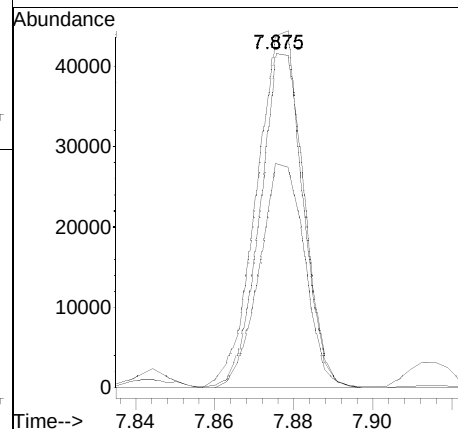
Tgt Ion:	204	Resp:	62071
Ion Ratio	Lower	Upper	
204	100		
206	32.5	25.8	38.6
141	56.5	53.6	80.4

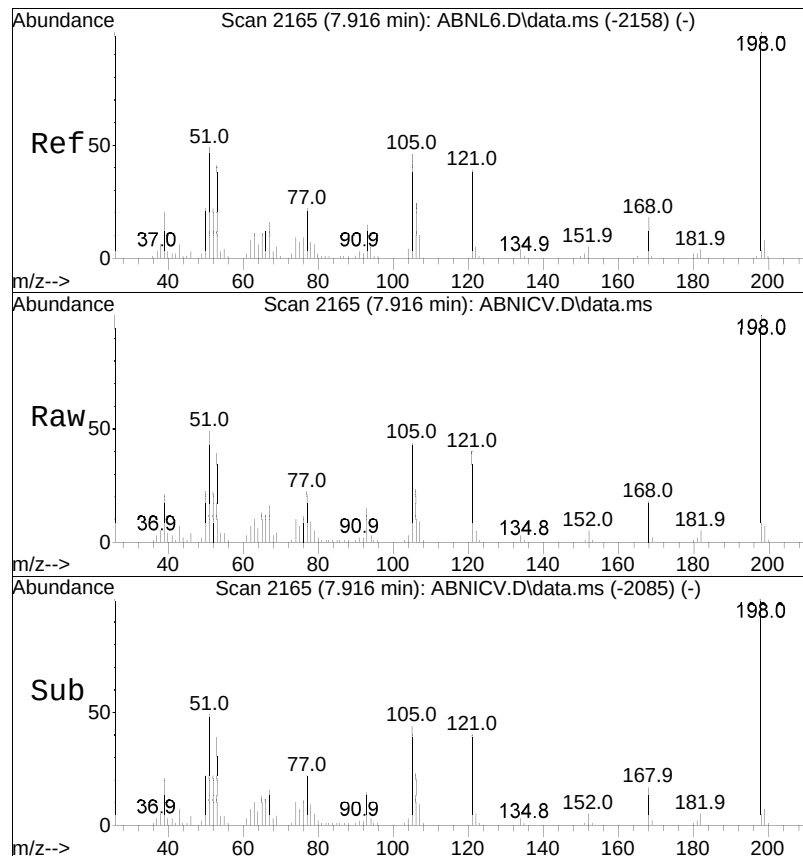




#75
 4-Nitroaniline
 Concen: 4.82 ug/ml
 RT: 7.875 min Scan# 2152
 Delta R.T. -0.004 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

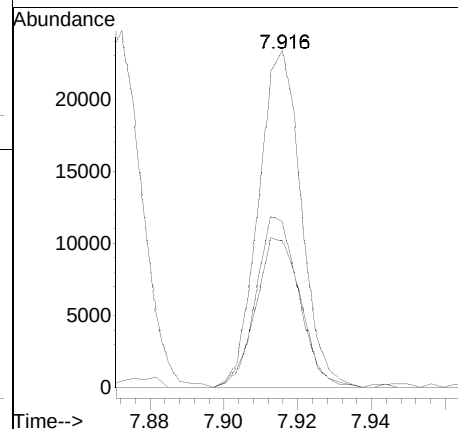
Tgt Ion:	138	Resp:	32255
Ion Ratio	Lower	Upper	
138	100		
108	68.5	52.1	78.1
65	110.8	115.0	172.6#

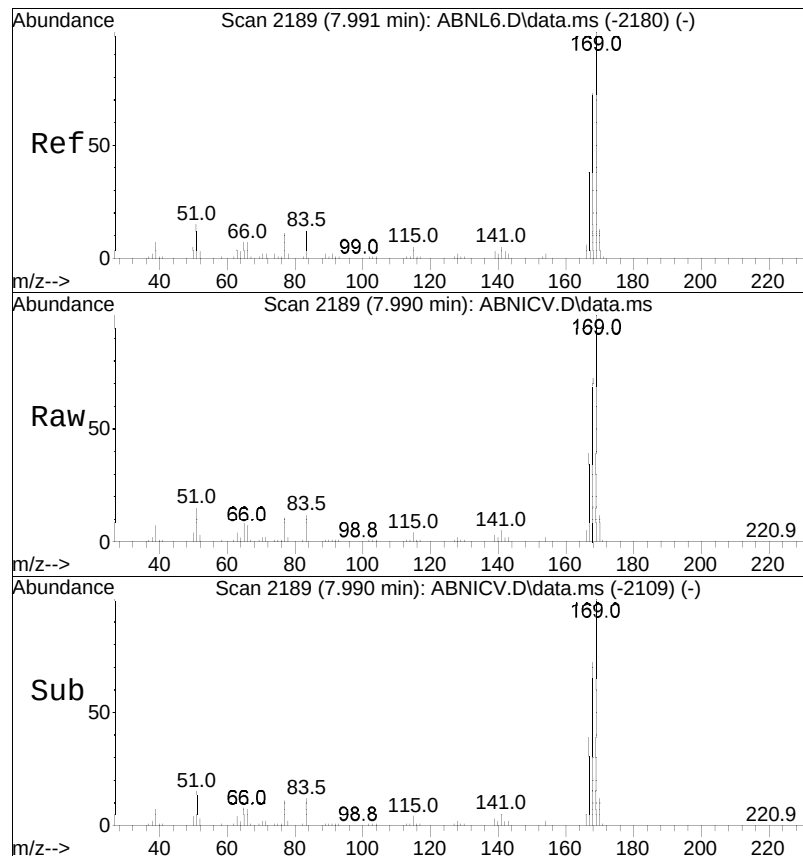




#76
 4,6-Dinitro-o-cresol
 Concen: 4.43 ug/ml
 RT: 7.916 min Scan# 2165
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

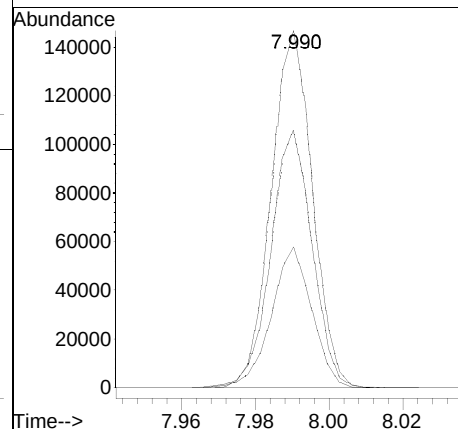
Tgt Ion:	198	Resp:	18815
Ion Ratio	Lower	Upper	
198	100		
51	51.3	76.0	114.0#
105	46.6	45.6	68.4

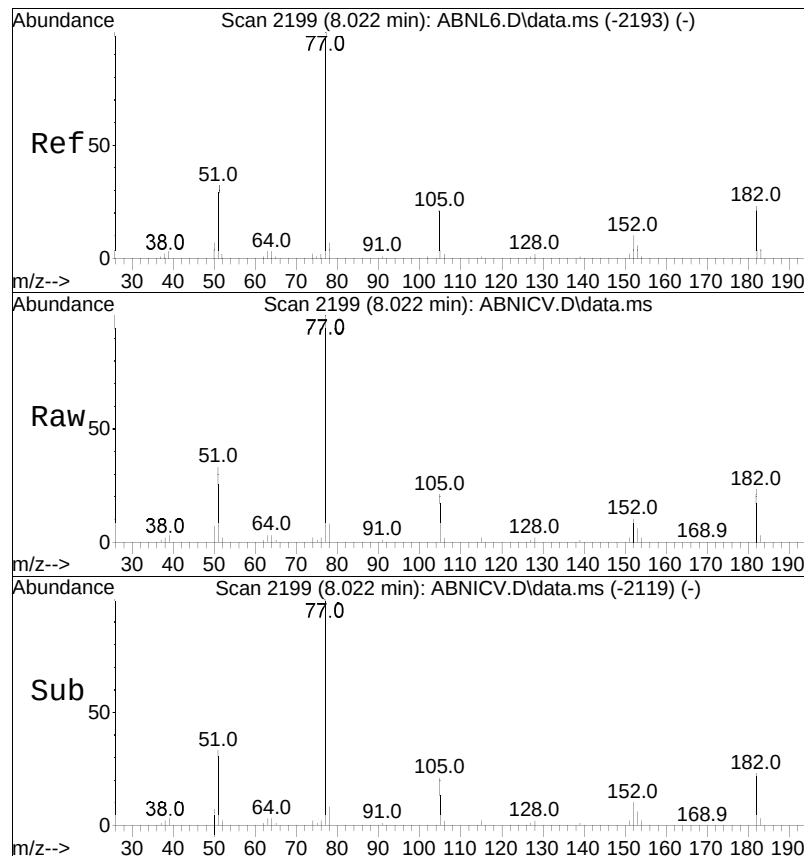




#77
 NDPA/DPA
 Concen: 4.73 ug/ml
 RT: 7.990 min Scan# 2189
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

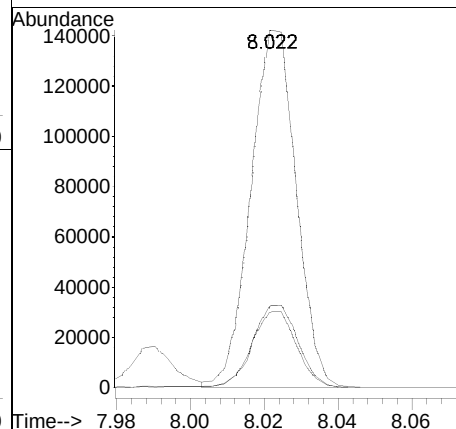
Tgt Ion:	169	Resp:	113782
Ion Ratio	Lower	Upper	
169	100		
168	72.4	54.0	81.0
167	38.9	28.6	42.8

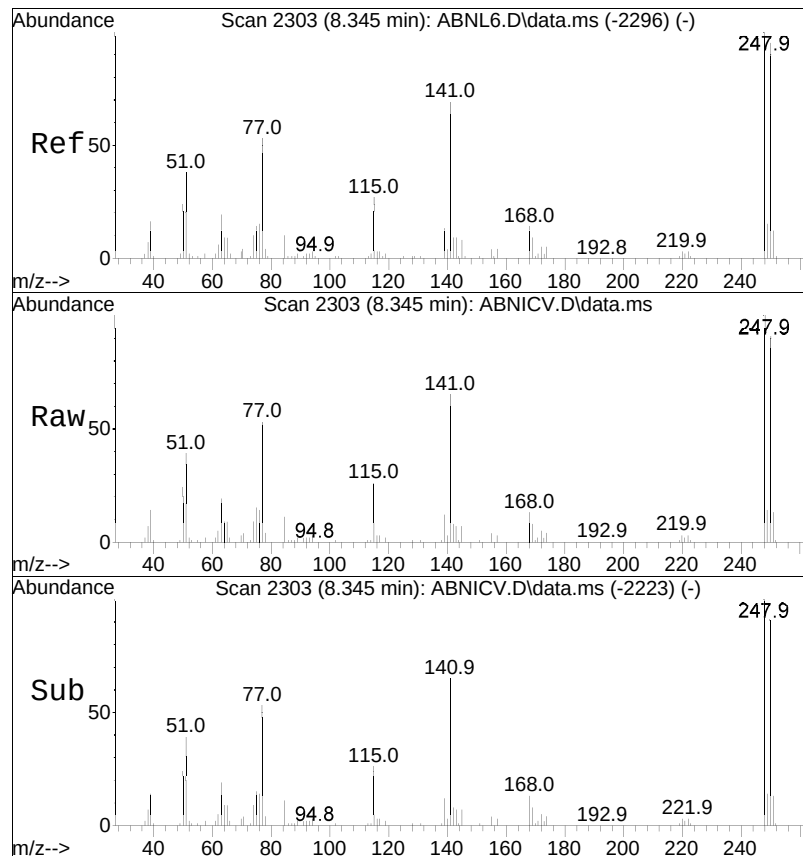




#78
 Azobenzene
 Concen: 4.78 ug/ml
 RT: 8.022 min Scan# 2199
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

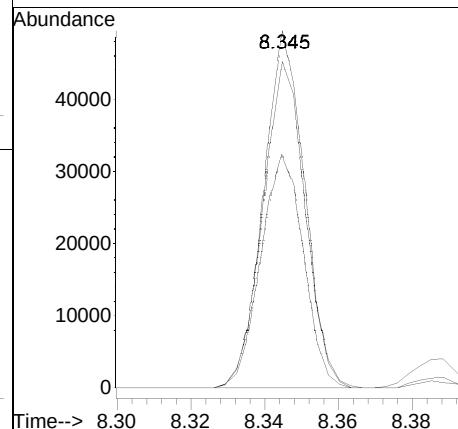
Tgt Ion:	77	Resp:	120724
Ion Ratio	Lower	Upper	
77	100		
182	23.1	17.4	26.2
105	21.4	15.4	23.2

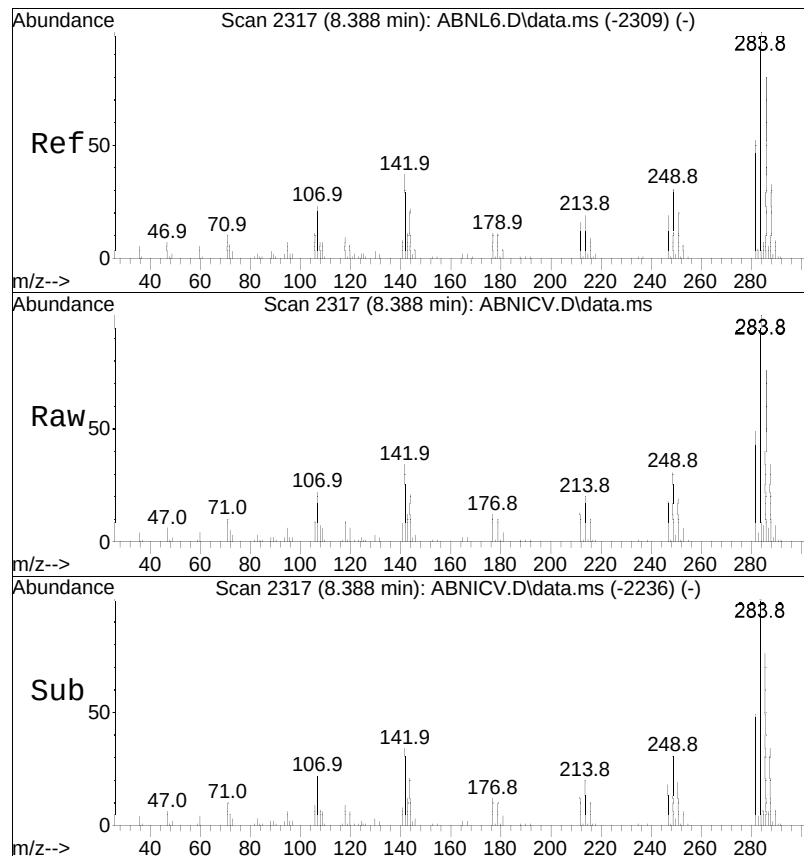




#80
 4-Bromophenyl phenyl ether
 Concen: 4.52 ug/ml
 RT: 8.345 min Scan# 2303
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

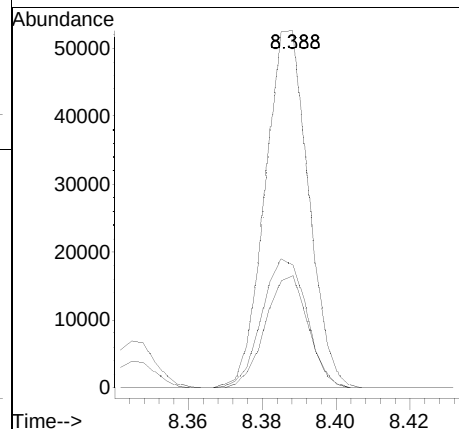
Tgt Ion:	248	Resp:	38130
Ion Ratio	Lower	Upper	
248	100		
141	67.9	76.6	114.8#
250	93.3	77.3	115.9

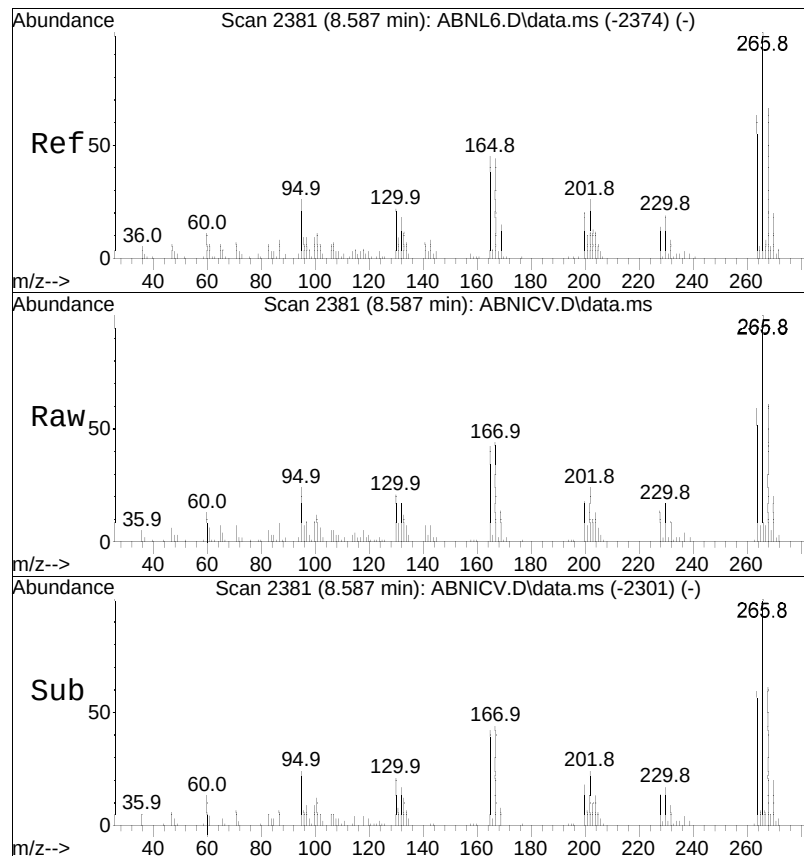




#81
 Hexachlorobenzene
 Concen: 4.55 ug/ml
 RT: 8.388 min Scan# 2317
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

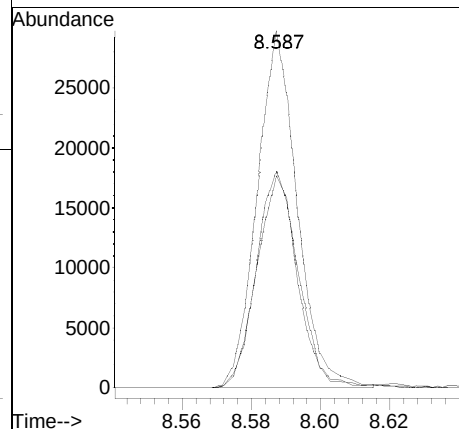
Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.4	41.9	62.9#
249	31.2	24.1	36.1

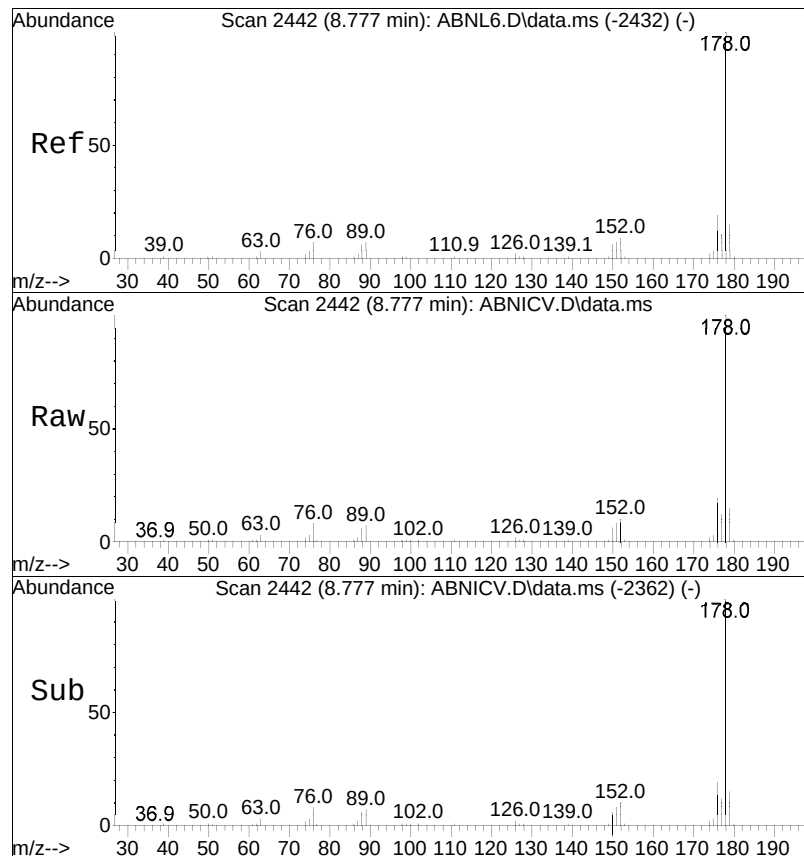




#82
 Pentachlorophenol
 Concen: 4.30 ug/ml
 RT: 8.587 min Scan# 2381
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

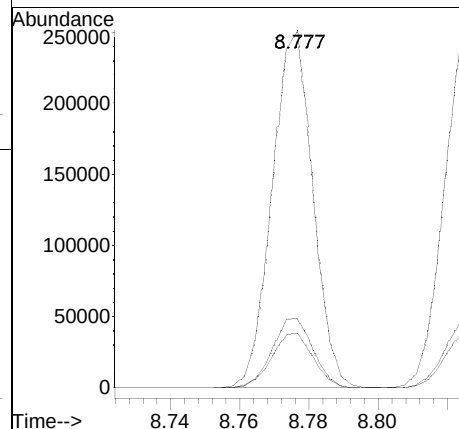
Tgt Ion:	266	Resp:	23880
Ion Ratio	Lower	Upper	
266	100		
264	61.4	49.7	74.5
268	64.5	50.5	75.7

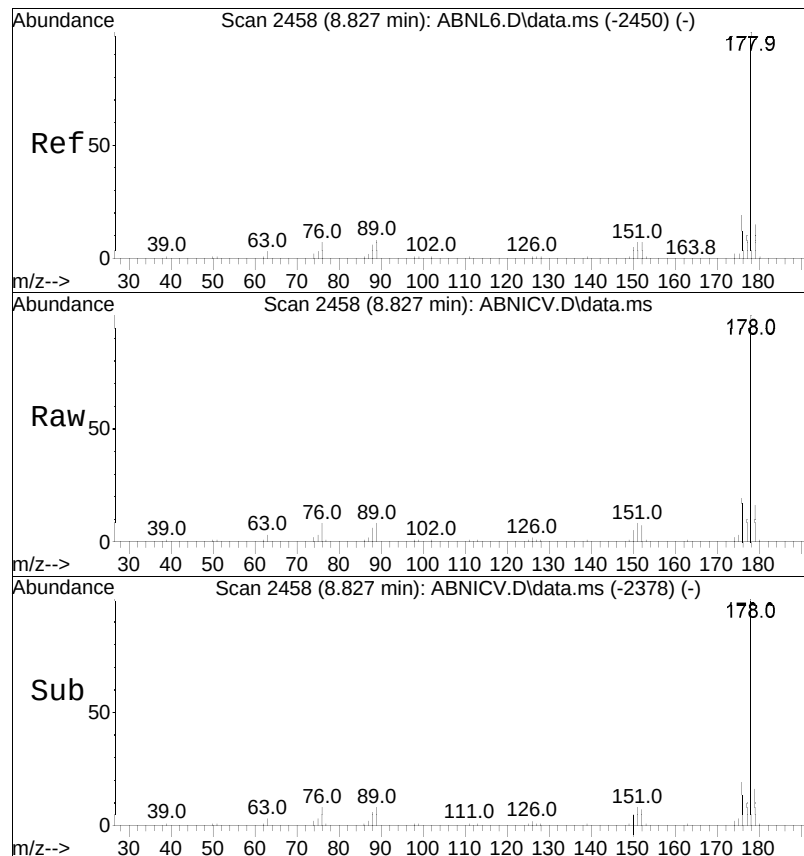




#89
 Phenanthrene
 Concen: 4.50 ug/ml
 RT: 8.777 min Scan# 2442
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

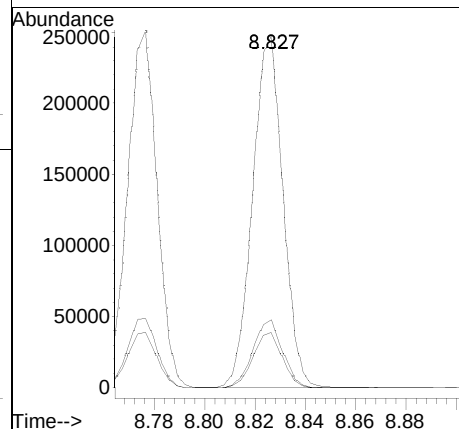
Tgt Ion:	178	Resp:	205009
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.2	18.2
176	19.5	15.4	23.2

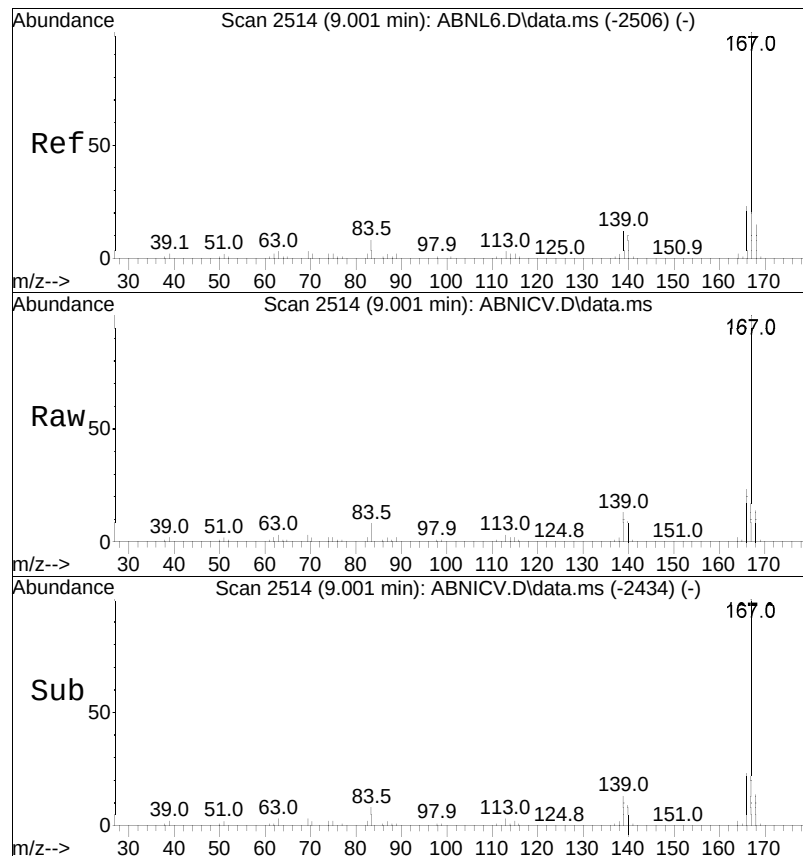




#90
 Anthracene
 Concen: 4.64 ug/ml
 RT: 8.827 min Scan# 2458
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

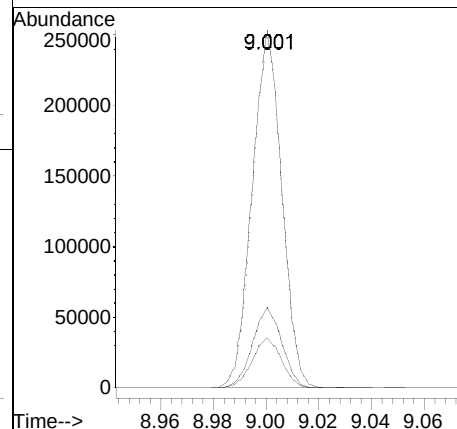
Tgt	Ion:178	Resp:	207103
Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.0	18.0
176	18.9	14.6	22.0

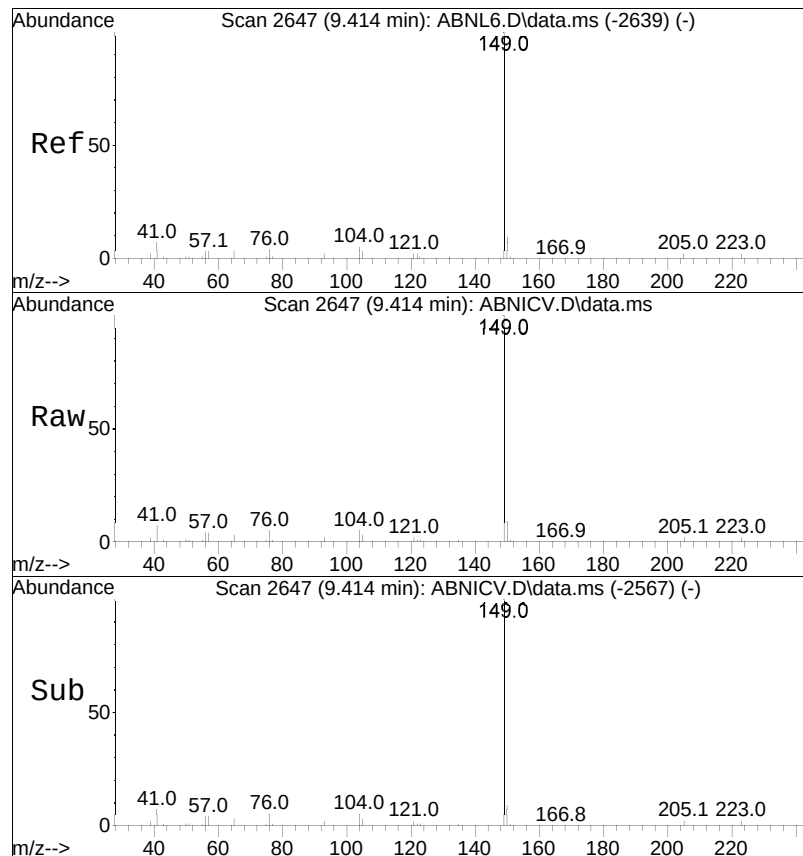




#91
 Carbazole
 Concen: 4.76 ug/ml
 RT: 9.001 min Scan# 2514
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

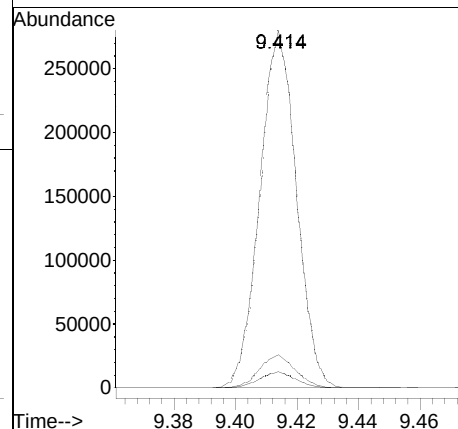
Tgt Ion	Ratio	Lower	Upper
167	100		
168	14.0	10.6	15.8
166	22.5	17.4	26.0

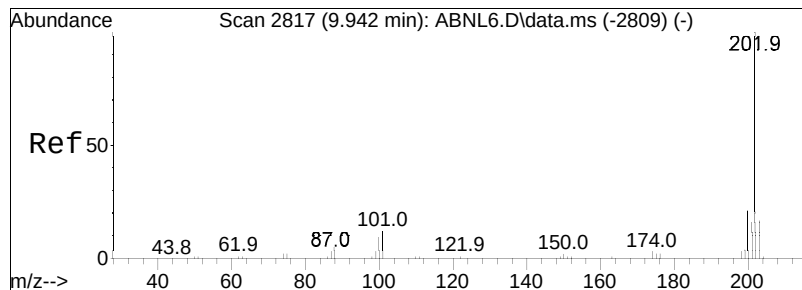




#92
 Di-n-butylphthalate
 Concen: 4.75 ug/ml
 RT: 9.414 min Scan# 2647
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

Tgt Ion:	149	Resp:	228103
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.0	10.6
104	4.5	4.5	6.7





#93

Fluoranthene

Concen: 4.64 ug/ml

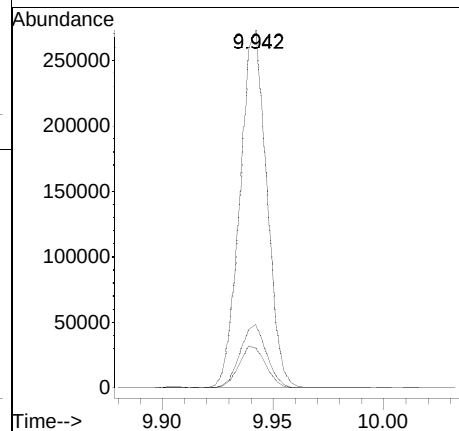
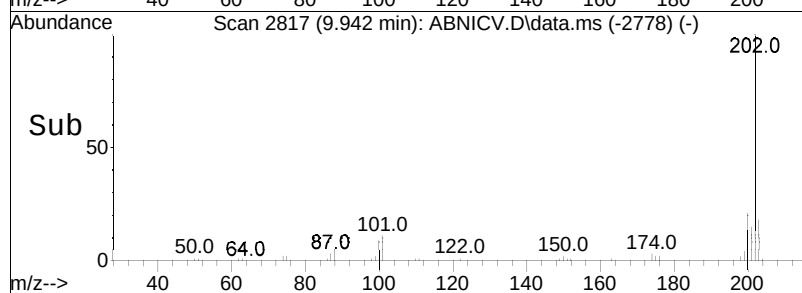
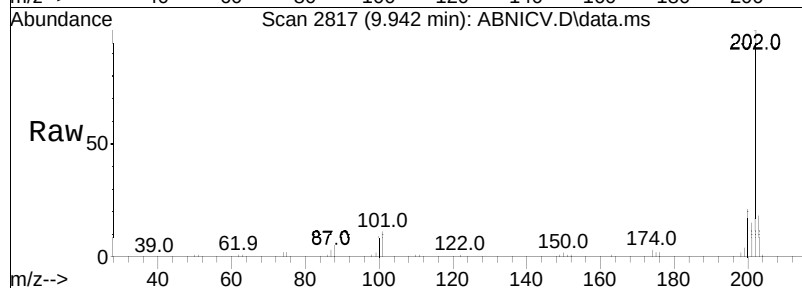
RT: 9.942 min Scan# 2817

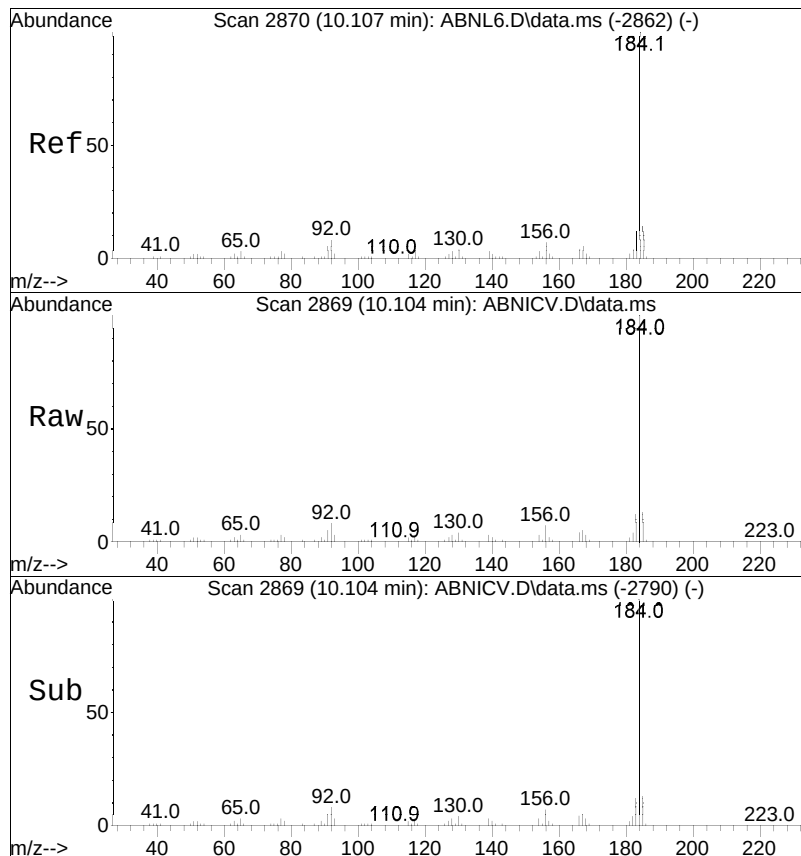
Delta R.T. 0.000 min

Lab File: ABNICV.D

Acq: 27 Aug 2025 11:33 pm

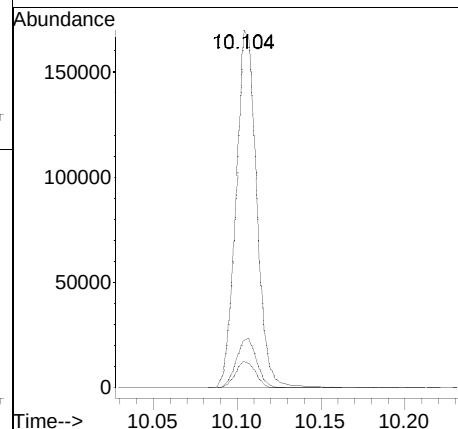
Tgt	Ion:202	Resp:	227666
Ion	Ratio	Lower	Upper
202	100		
101	11.9	13.5	20.3#
203	17.6	13.6	20.4

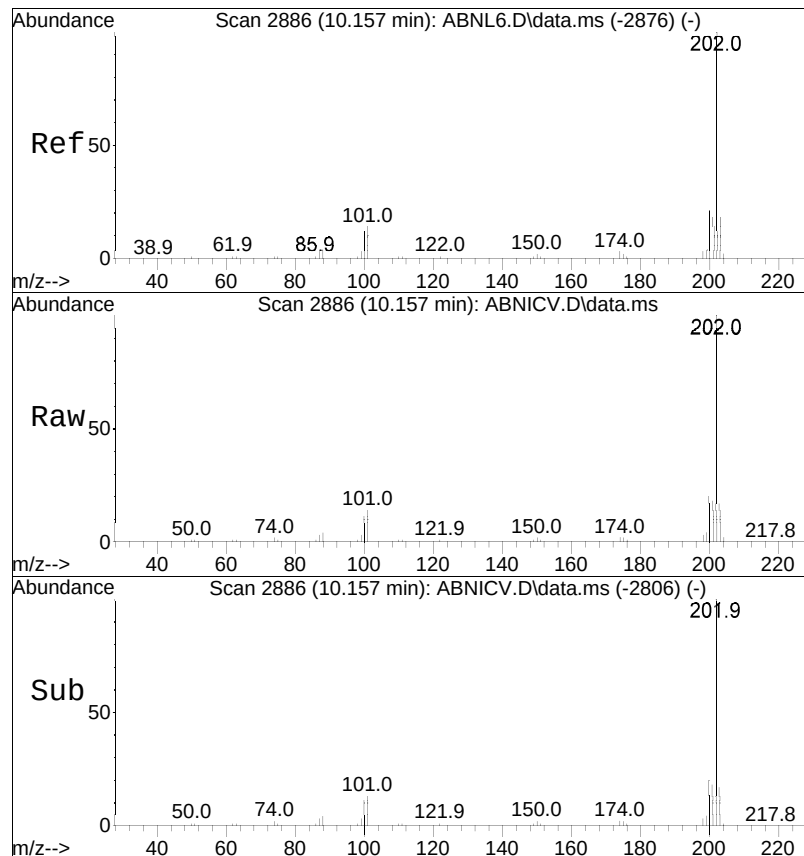




#94
Benzidine
Concen: 4.55 ug/ml
RT: 10.104 min Scan# 2869
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

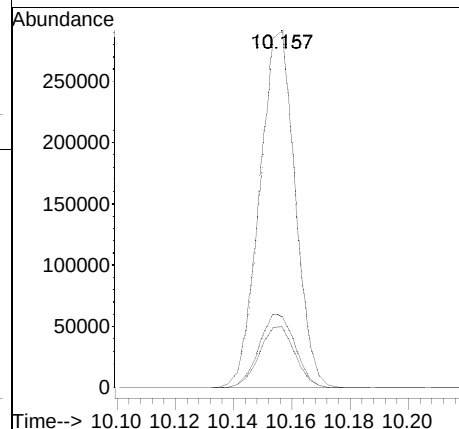
Tgt Ion	Ratio	Lower	Upper
184	100		
92	7.5	9.1	13.7#
185	14.0	11.1	16.7

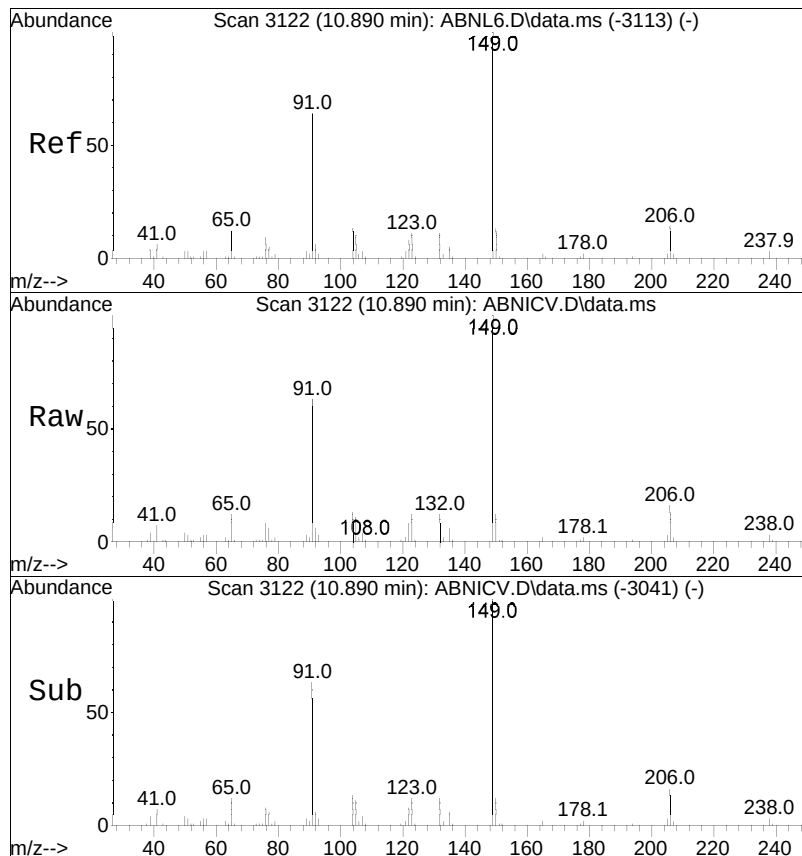




#95
 Pyrene
 Concen: 4.66 ug/ml
 RT: 10.157 min Scan# 2886
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

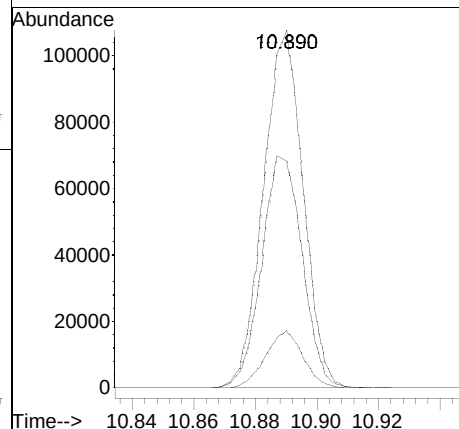
Tgt Ion:	202	Resp:	243958
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.7	25.1
203	17.4	14.2	21.4

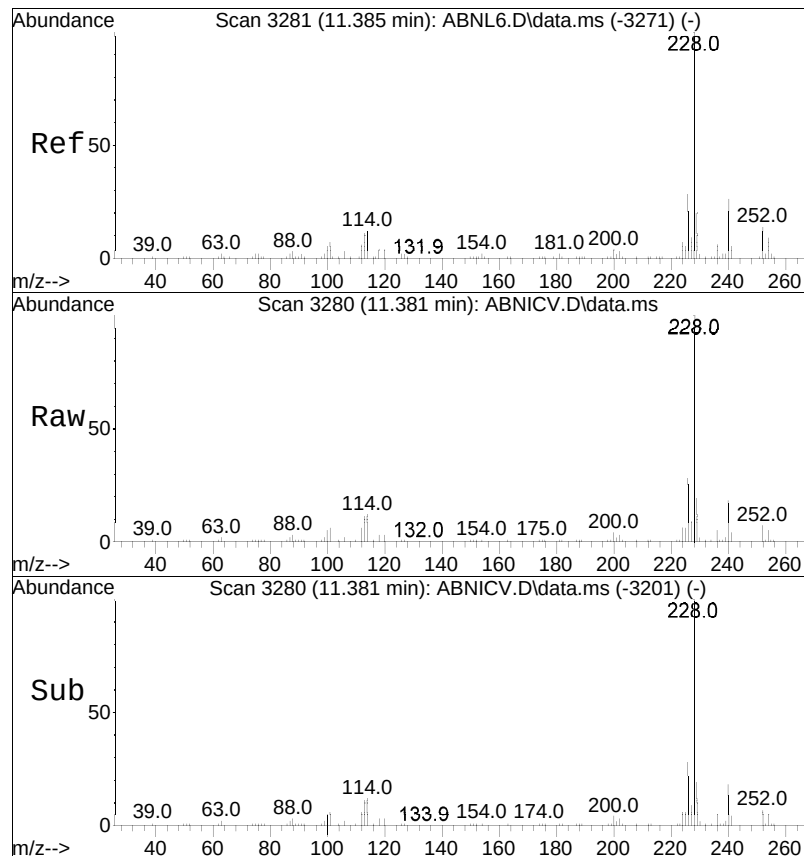




#97
 Butyl benzyl phthalate
 Concen: 4.76 ug/ml
 RT: 10.890 min Scan# 3122
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

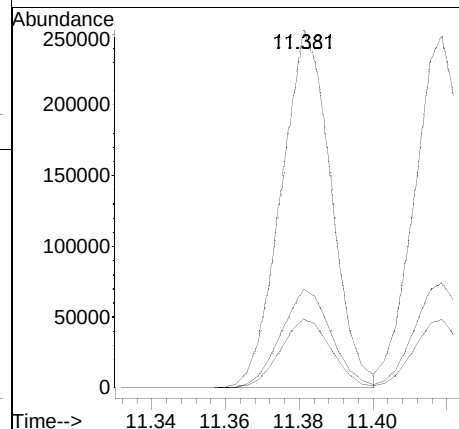
Tgt Ion:	149	Resp:	95520
Ion Ratio	Lower	Upper	
149	100		
91	66.4	63.3	94.9
206	15.2	13.9	20.9

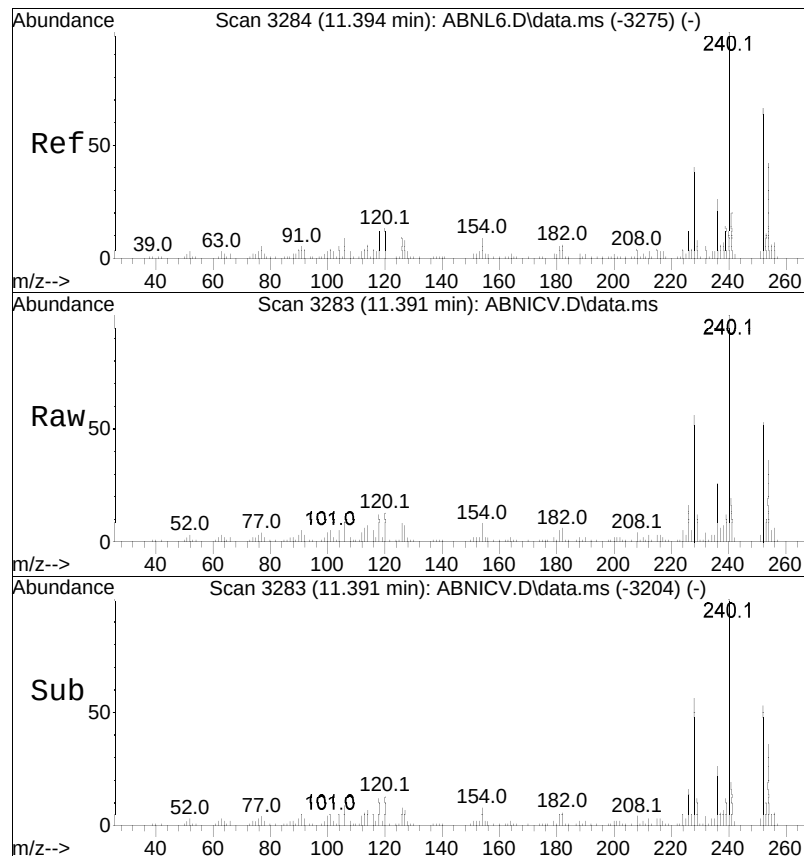




#105
 Benzo(a)anthracene
 Concen: 4.65 ug/ml
 RT: 11.381 min Scan# 3280
 Delta R.T. -0.004 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

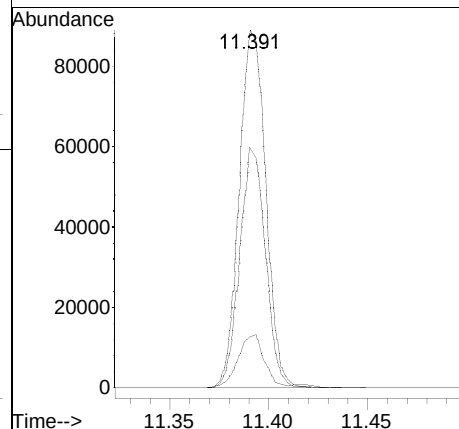
Tgt Ion:	228	Resp:	238200
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.2	33.4
229	19.6	15.6	23.4

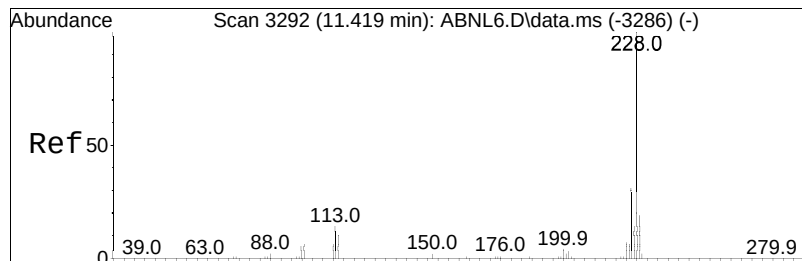




#106
 3,3'-Dichlorobenzidine
 Concen: 4.71 ug/ml
 RT: 11.391 min Scan# 3283
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

Tgt Ion	Ratio	Lower	Upper
252	100		
126	14.9	14.5	21.7
254	64.7	51.2	76.8





#107

Chrysene

Concen: 4.46 ug/ml

RT: 11.419 min Scan# 3292

Delta R.T. -0.000 min

Lab File: ABNICV.D

Acq: 27 Aug 2025 11:33 pm

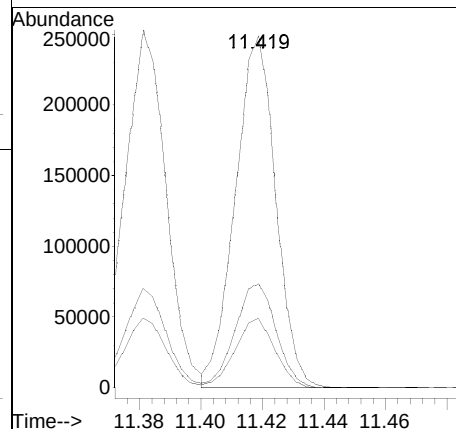
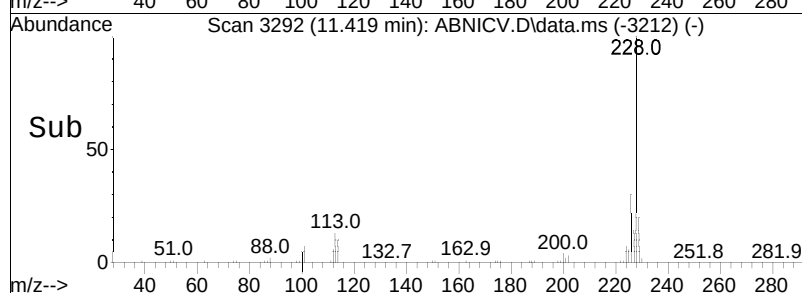
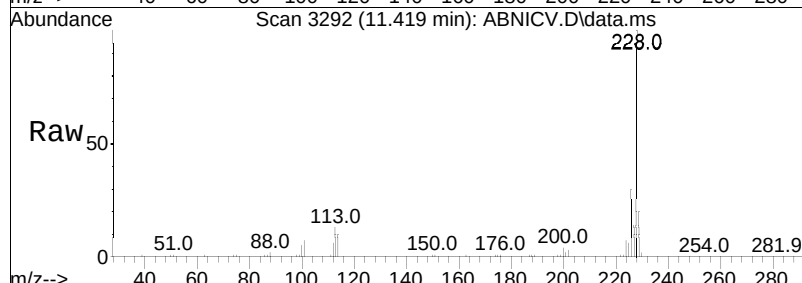
Tgt Ion: 228 Resp: 226525

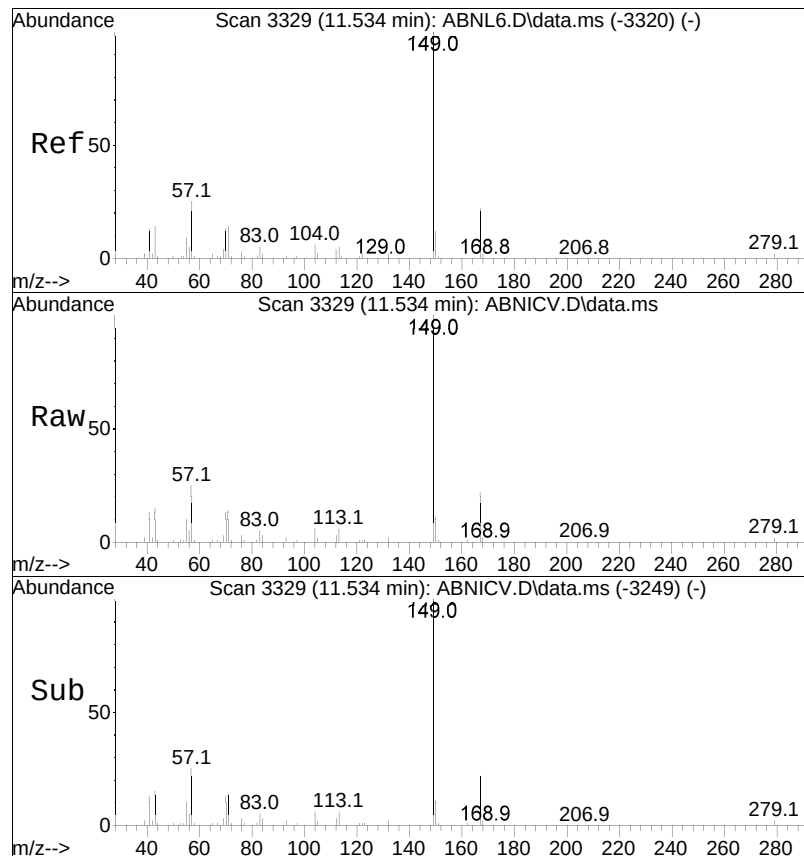
Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

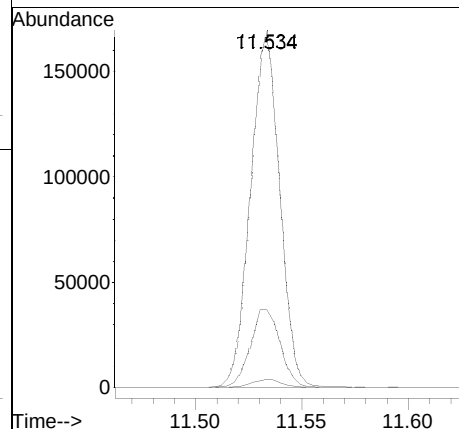
229 19.5 15.8 23.8

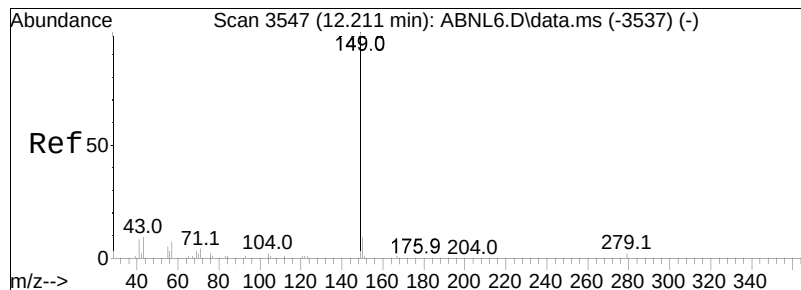




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 4.95 ug/ml
 RT: 11.534 min Scan# 3329
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

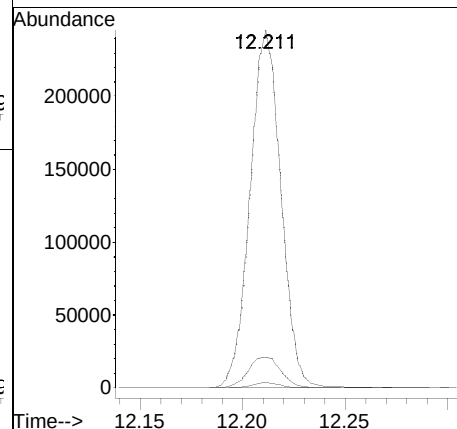
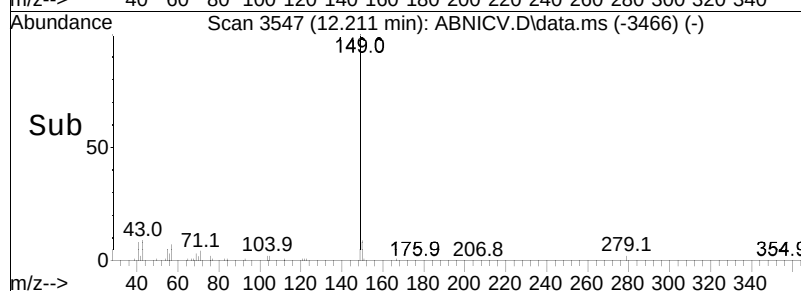
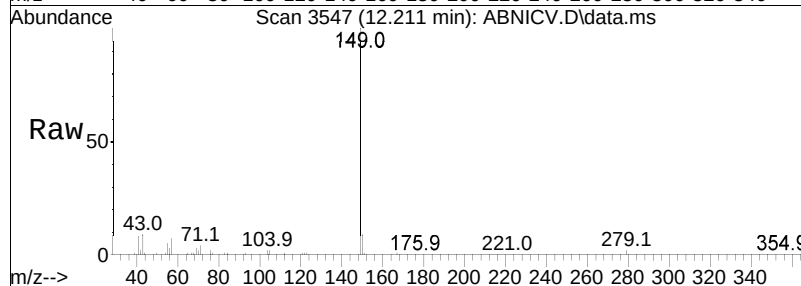
Tgt Ion:	149	Resp:	158955
Ion Ratio	Lower	Upper	
149	100		
167	22.6	22.1	33.1
279	2.2	3.0	4.4#

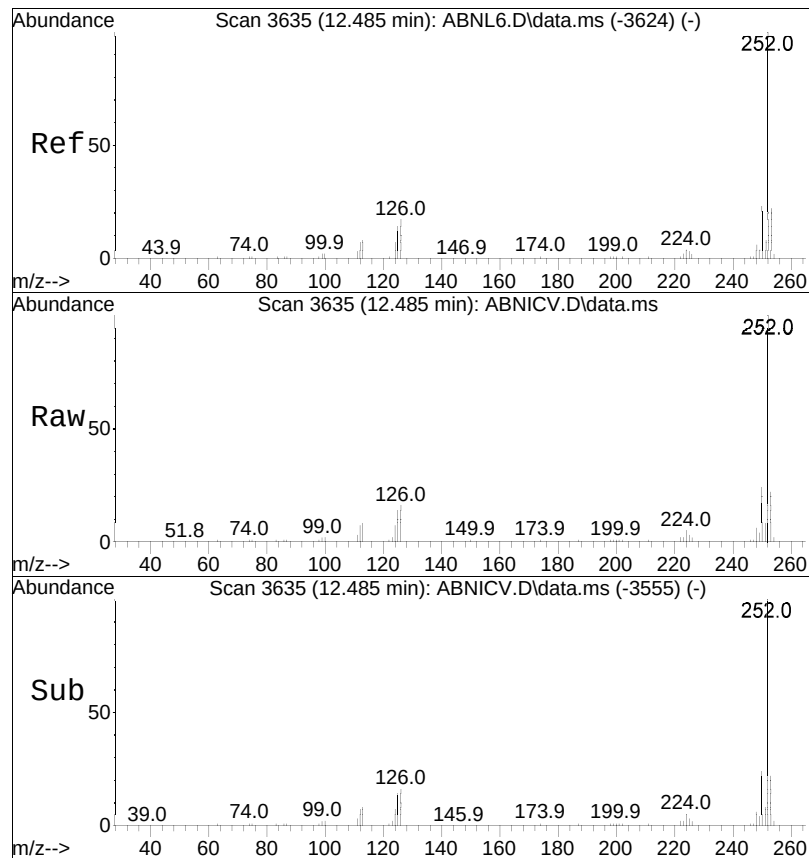




#109
 Di-n-octylphthalate
 Concen: 4.70 ug/ml
 RT: 12.211 min Scan# 3547
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

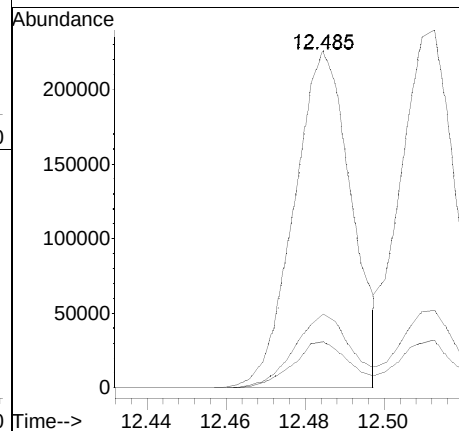
Tgt Ion:	149	Resp:	253404
Ion Ratio	Lower	Upper	
149	100		
43	9.3	18.8	28.2#
167	1.3	1.3	1.9

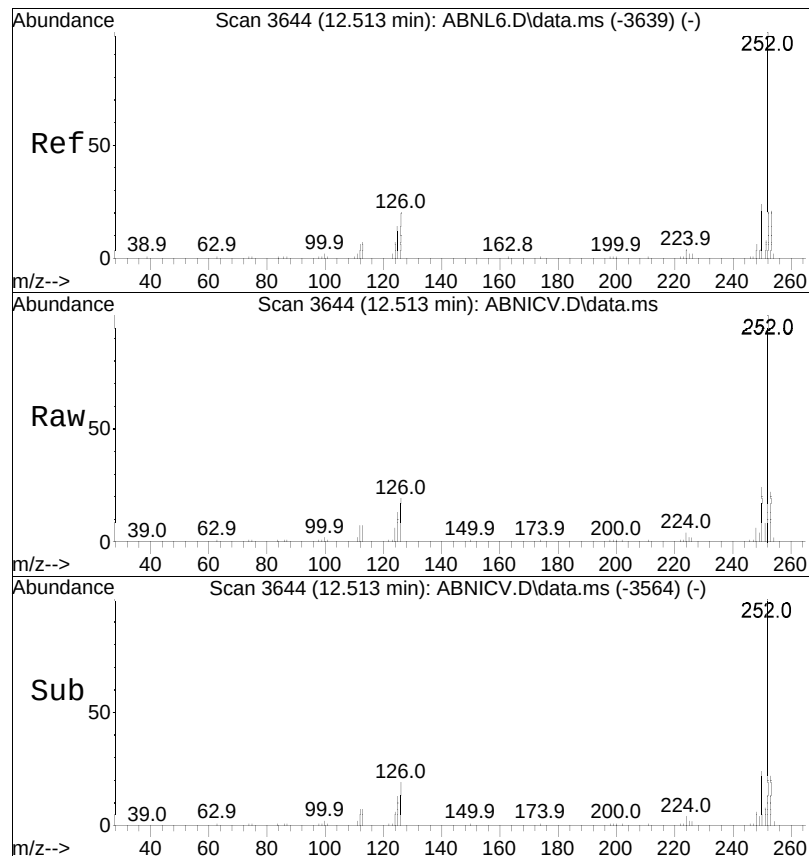




#110
 Benzo(b)fluoranthene
 Concen: 4.70 ug/ml
 RT: 12.485 min Scan# 3635
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

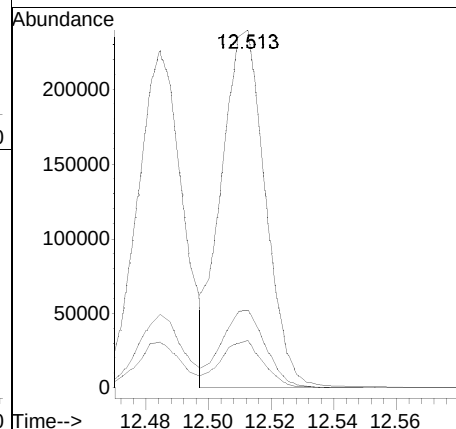
Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		227992		
125	13.6	13.3	19.9		
253	21.6	17.1	25.7		

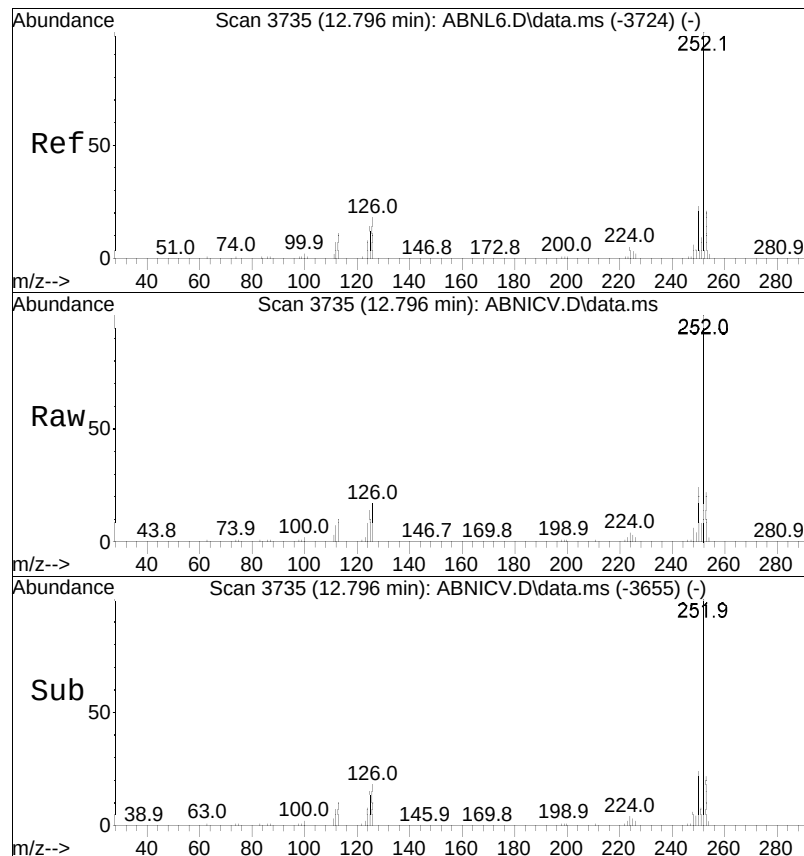




#111
 Benzo(k)fluoranthene
 Concen: 4.74 ug/ml M3
 RT: 12.513 min Scan# 3644
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

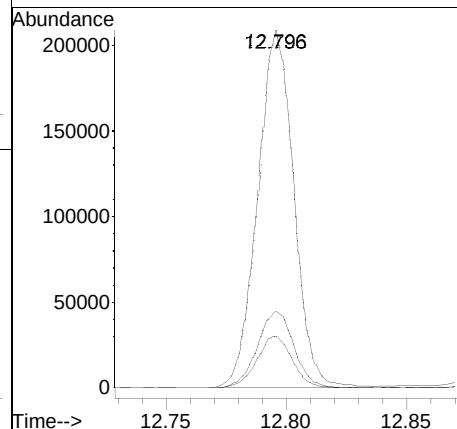
Tgt	Ion:252	Resp:	234496
Ion	Ratio	Lower	Upper
252	100		
125	13.3	13.0	19.6
253	21.0	16.8	25.2

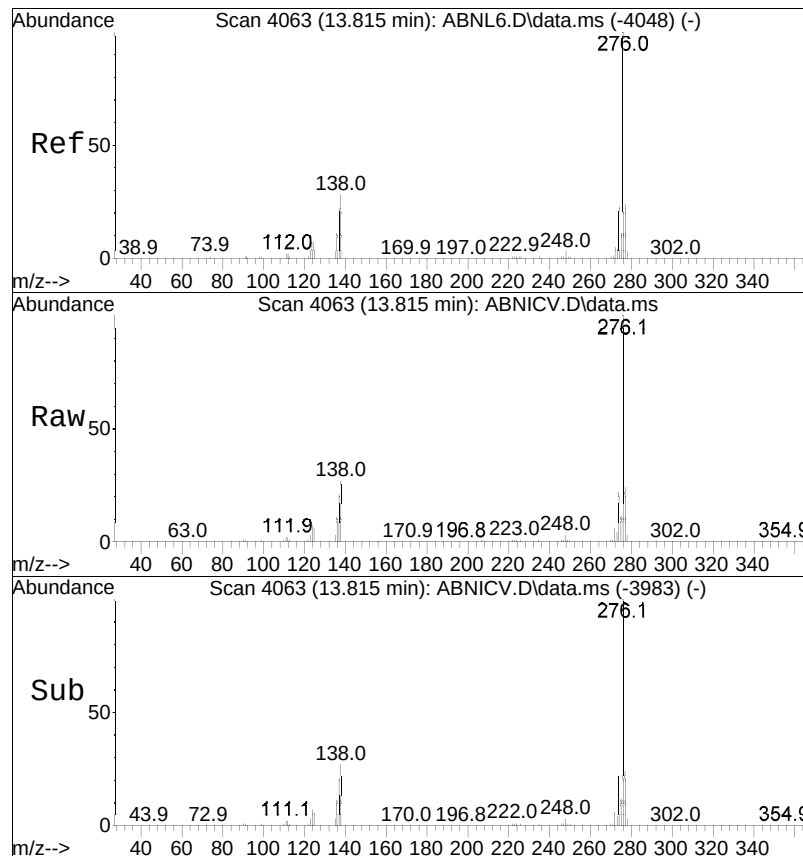




#112
 Benzo(a)pyrene
 Concen: 4.75 ug/ml
 RT: 12.796 min Scan# 3735
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

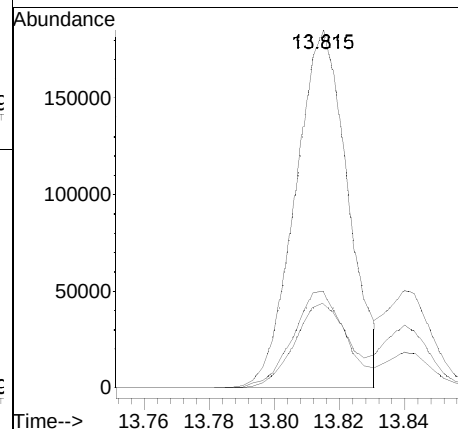
Tgt	Ion:252	Resp:	215944
Ion	Ratio	Lower	Upper
252	100		
125	14.3	14.2	21.2
253	21.8	16.9	25.3

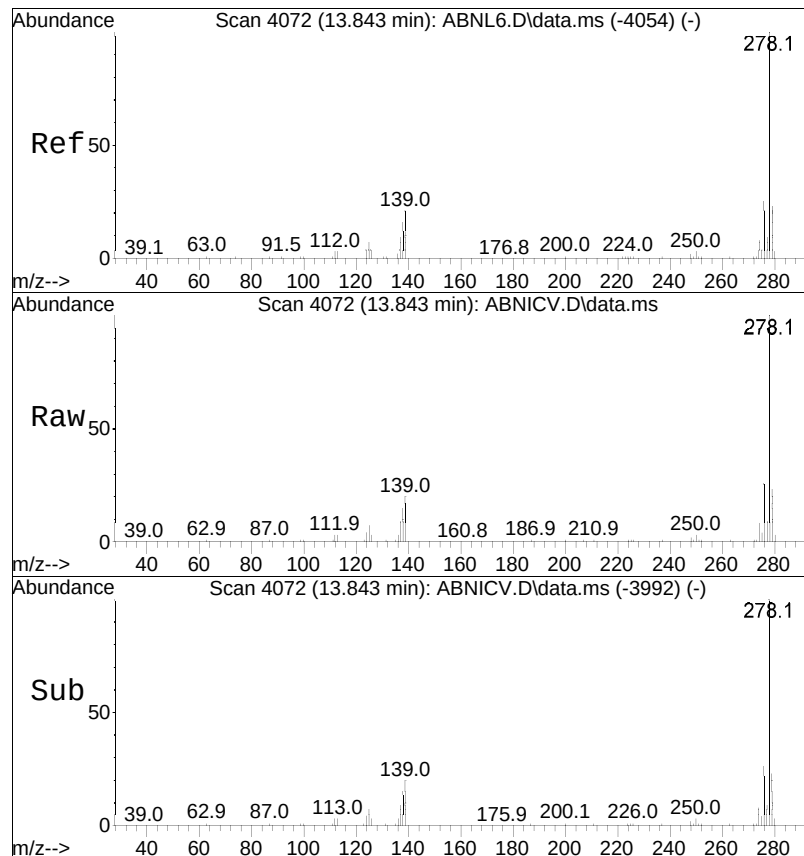




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 4.54 ug/mL
 RT: 13.815 min Scan# 4063
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

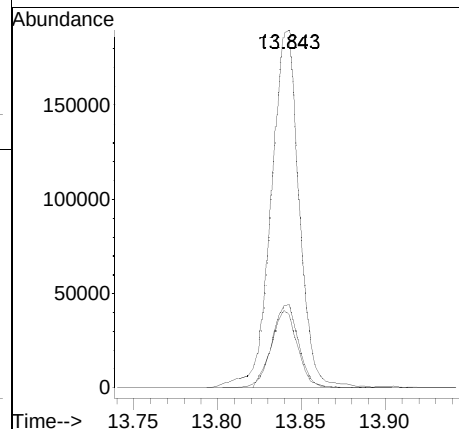
Tgt Ion:	276	Resp:	207533
Ion Ratio	Lower	Upper	
276	100		
138	27.0	25.1	37.7
277	24.4	18.6	28.0

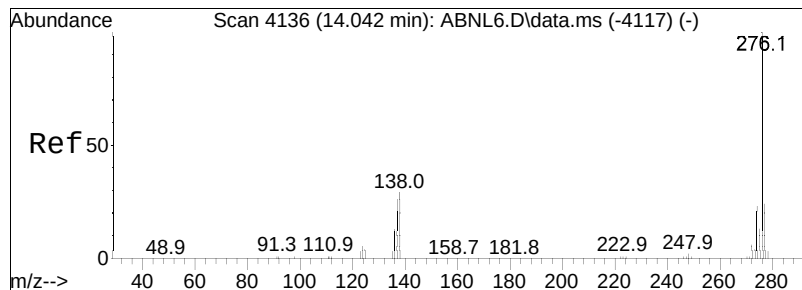




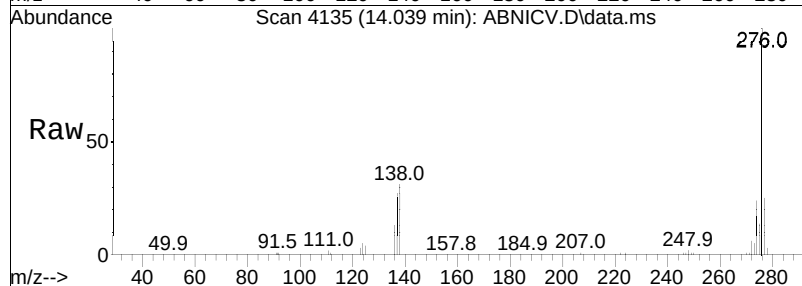
#115
 Dibenzo(a,h)anthracene
 Concen: 4.61 ug/ml
 RT: 13.843 min Scan# 4072
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.5	20.8	31.2#
279	22.7	18.3	27.5

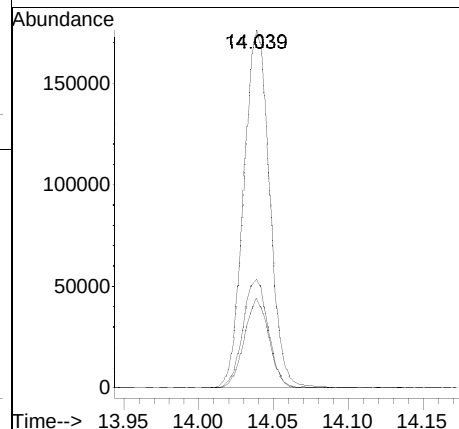
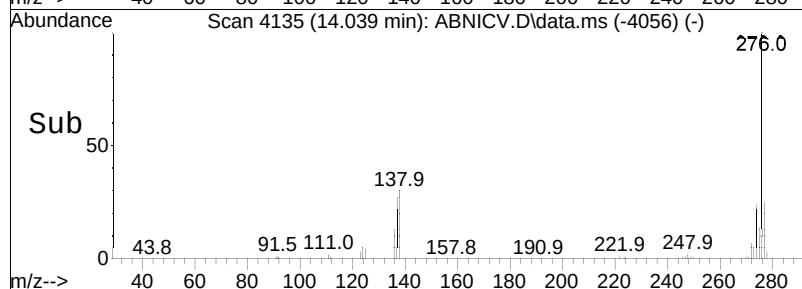




#116
 Benzo(ghi)perylene
 Concen: 4.53 ug/ml
 RT: 14.039 min Scan# 4135
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm



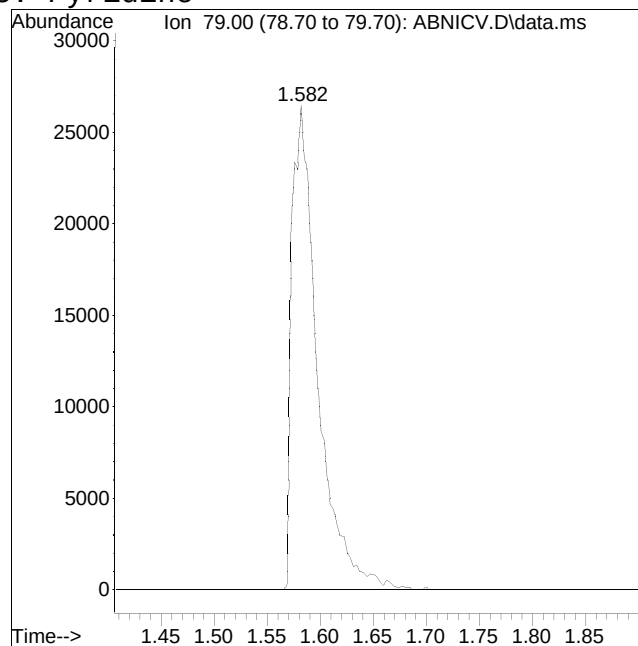
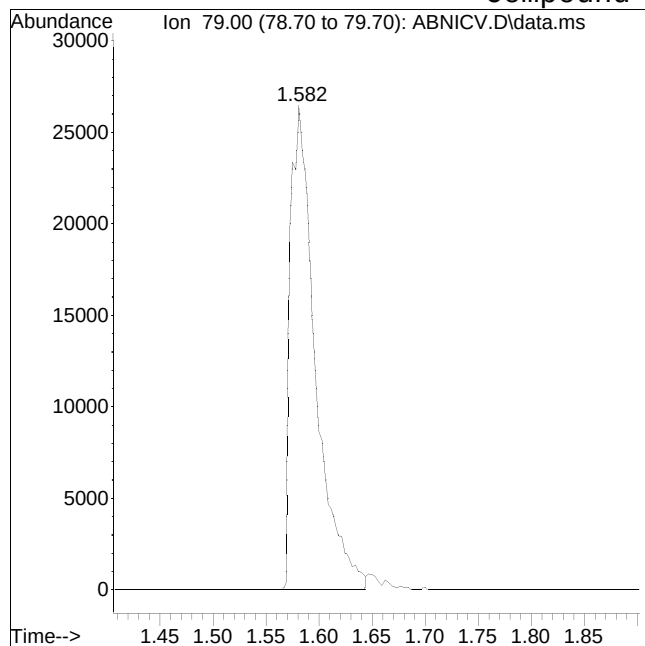
Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.1	29.2	43.8
277	24.2	18.8	28.2



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNICV.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:33 pm Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 11905 Quant Date : 8/28/2025 6:21 am

Compound #3: Pyridine



Original Peak Response = 43861

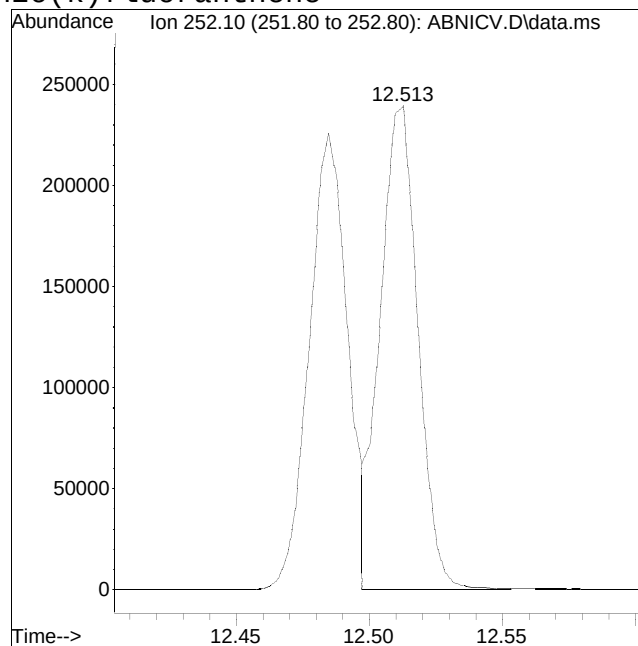
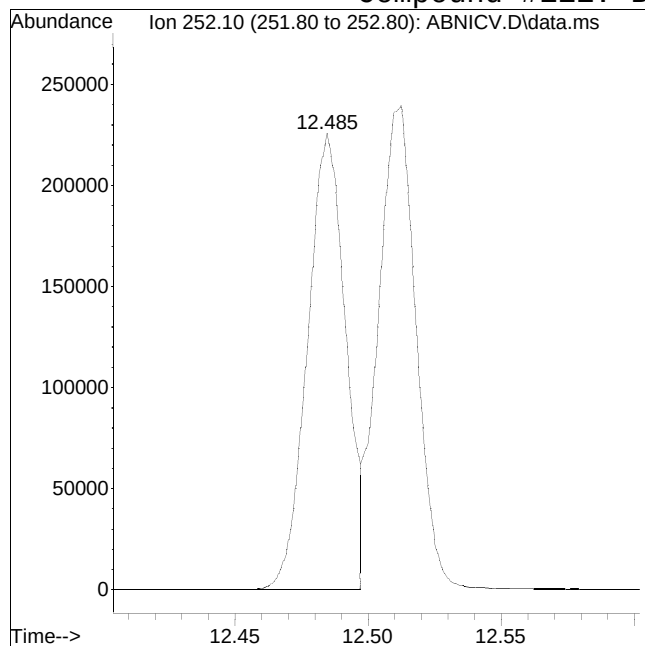
Manual Peak Response = 44894 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNICV.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:33 pm Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 11905 Quant Date : 8/28/2025 6:21 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 227992

Manual Peak Response = 234496 M3

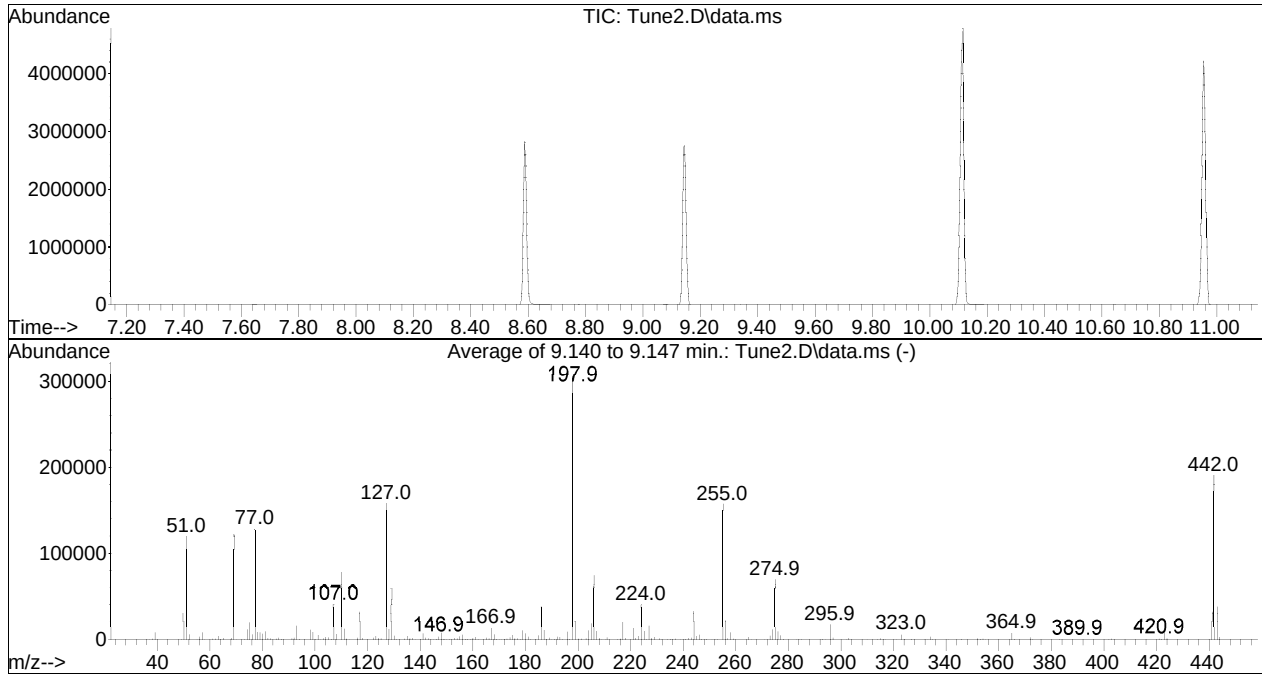
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

DFTPP

Data Path : I:\8270\SV106\250827ICAL\
 Data File : Tune2.D
 Acq On : 27 Aug 2025 11:54 pm
 Operator : SV106:smz
 Sample : Tune2 Lot# 11857
 Misc : WG2108428,,
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 28 09:56:36 2025

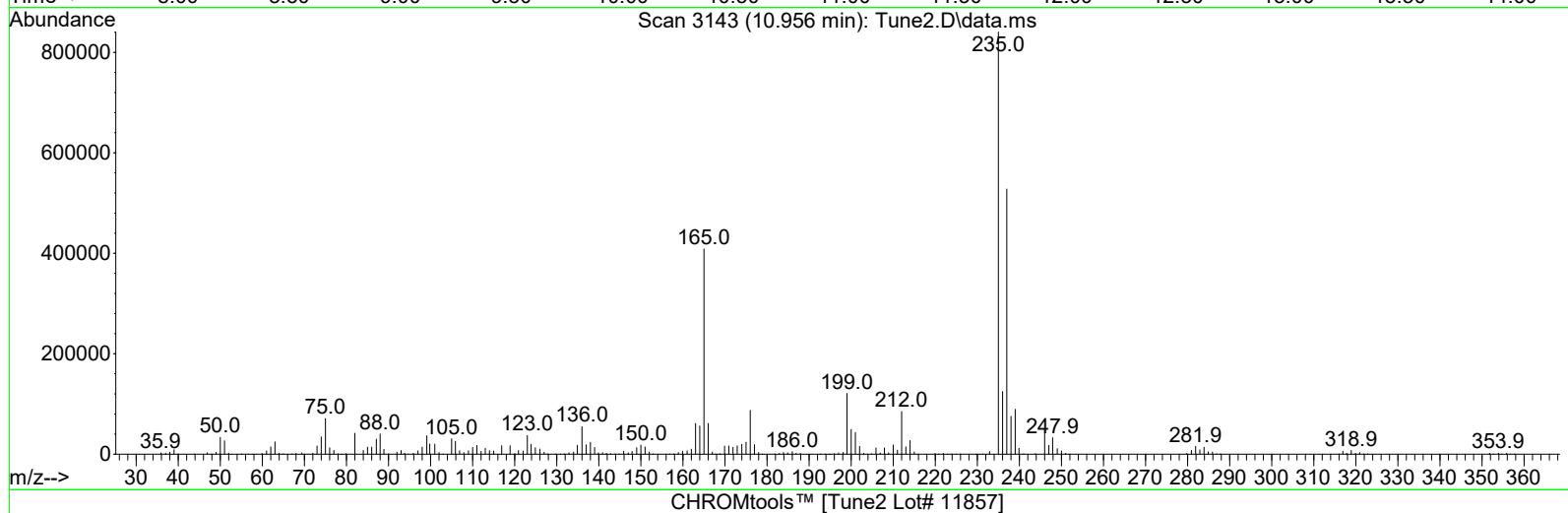
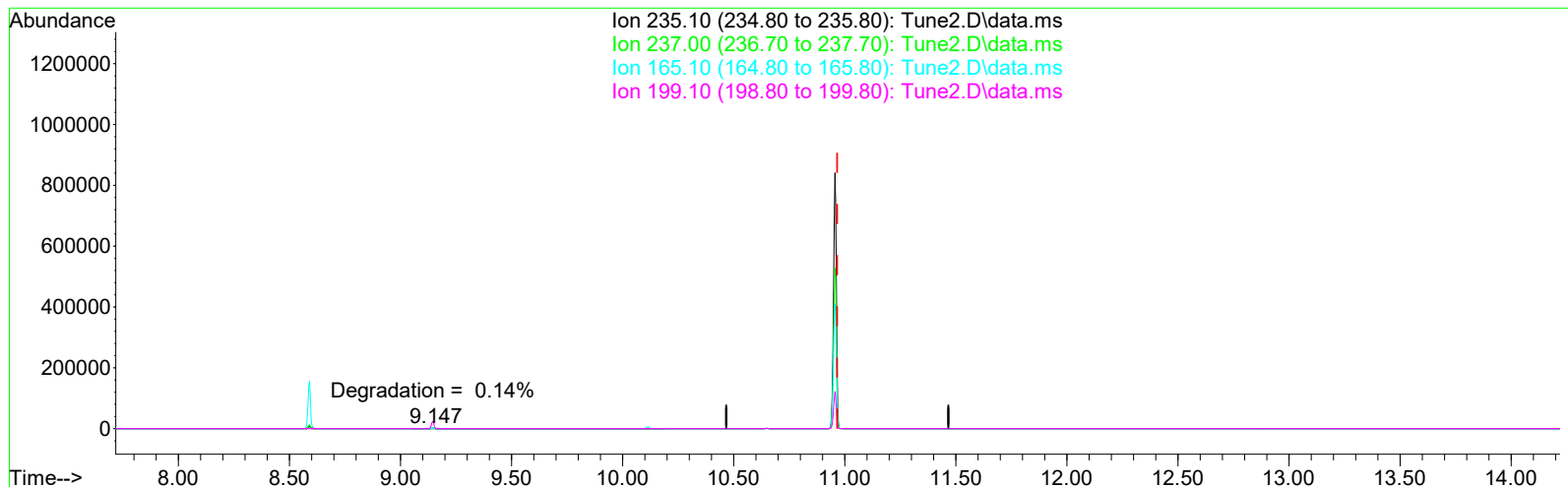


Spectrum Information: Average of 9.140 to 9.147 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.0	119432	PASS
68	69	0.00	2	1.8	2150	PASS
69	69	100	100	100.0	121643	PASS
70	69	0.00	2	0.4	542	PASS
127	198	10	80	51.4	157589	PASS
197	198	0.00	2	0.3	980	PASS
198	198	100	100	100.0	306581	PASS
199	198	5	9	6.9	21275	PASS
275	198	10	60	22.7	69531	PASS
365	198	1	100	2.5	7623	PASS
441	442	0.01	24	16.9	32248	PASS
442	198	50	100	62.2	190656	PASS
443	442	15	24	19.9	37995	PASS

Data Path : I:\8270\SV106\250827ICAL\
Data File : Tune2.D
Acq On : 27 Aug 2025 11:54 pm
Operator : SV106:smz
Sample : Tune2 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:29:06 2025
Quant Method : I:\8270\SV106\250827ICAL\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:29:49 2025
Response via : Initial Calibration



CHROMtools™ [Tune2 Lot# 11857]

(6) DDT (T)

10.956min (-0.012) 120.64

response 735365

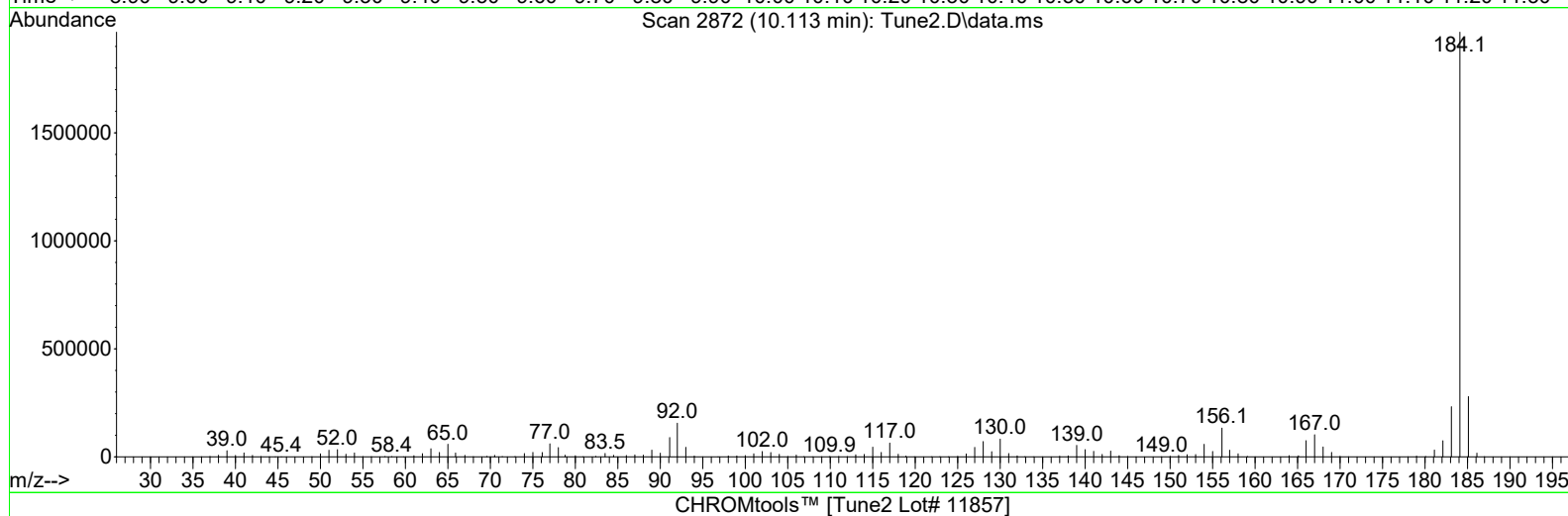
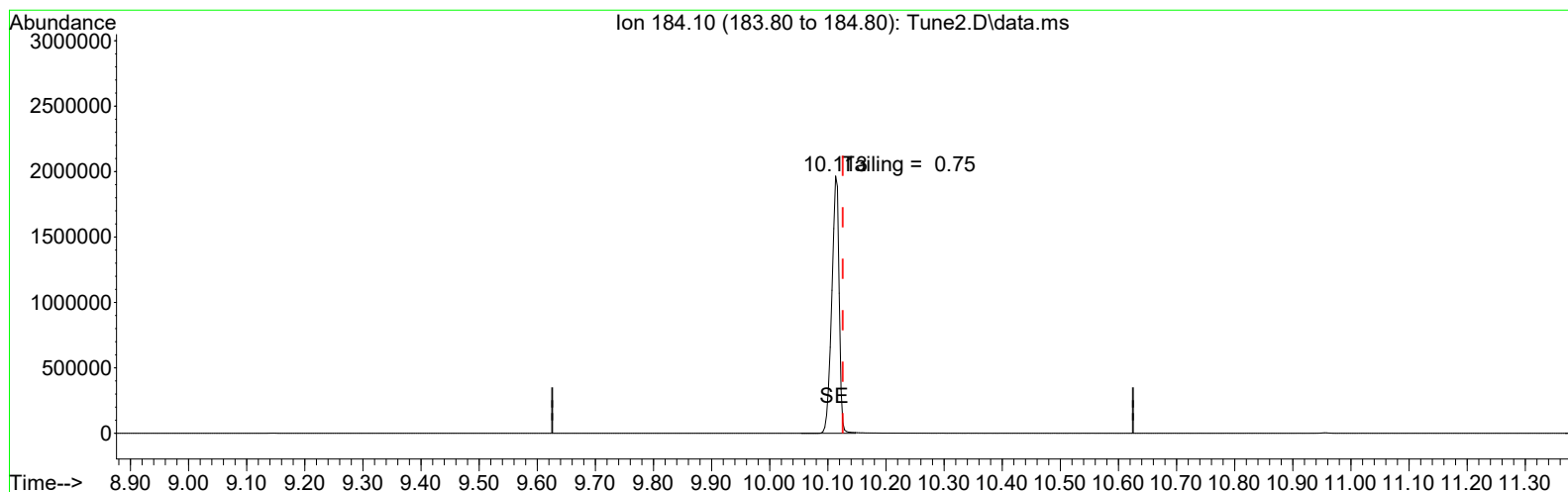
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.52
165.10	44.50	49.81
199.10	14.80	14.22

Duplicate Retention Times

(2) DFTPP 198.00

Data Path : I:\8270\SV106\250827ICAL\
 Data File : Tune2.D
 Acq On : 27 Aug 2025 11:54 pm
 Operator : SV106:smz
 Sample : Tune2 Lot# 11857
 Misc : WG2108428,,
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:29:06 2025
 Quant Method : I:\8270\SV106\250827ICAL\DftppSV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:29:49 2025
 Response via : Initial Calibration



(3) Benzidine (T)

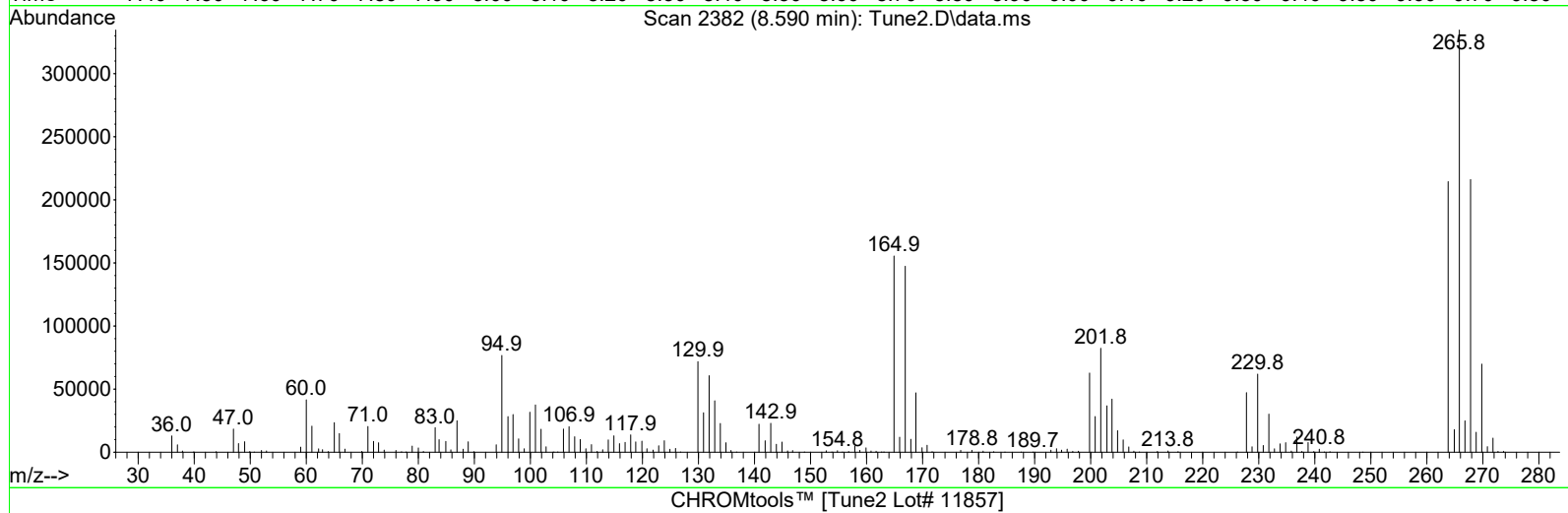
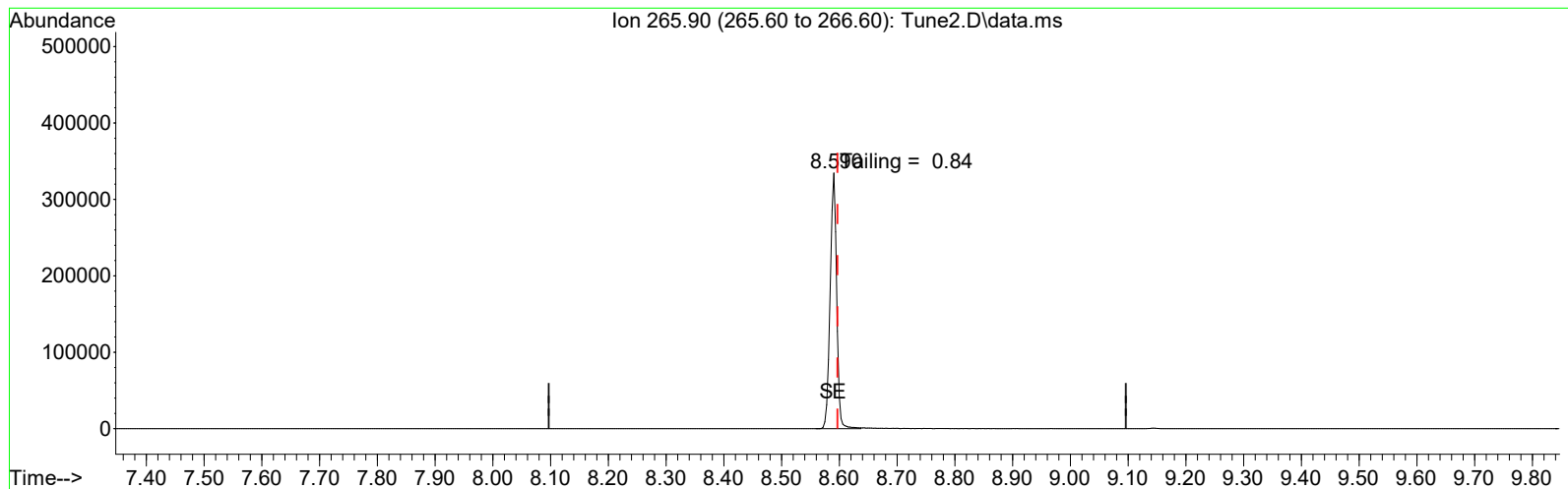
10.113min (-0.013) 170.36

response 1734310

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\8270\SV106\250827ICAL\
Data File : Tune2.D
Acq On : 27 Aug 2025 11:54 pm
Operator : SV106:smz
Sample : Tune2 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:29:06 2025
Quant Method : I:\8270\SV106\250827ICAL\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:29:49 2025
Response via : Initial Calibration



(1) Pentachlorophenol (T)

8.590min (-0.007) 125.41

response 263407

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L9.D
 Acq On : 28 Aug 2025 12:16 am
 Operator : SV106:smz
 Sample : IL2,32,,AP9L50 Lot# 11923
 Misc : WG2108428,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 05:52:35 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31106	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	100.51%		
55) IS2_Naphthalene-d8	5.572	136	125947	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	102.88%		
83) IS2_Acenaphthene-d10	7.307	164	72251	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	102.19%		
98) IS2_Phenanthrene-d10	8.755	188	149084	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	104.73%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.854	105	241856	48.192	ug/ml	89
29) Acetophenone	4.727	105	739805	44.842	ug/ml#	79
30) m-Toluidine	4.814	106	509677	43.049	ug/ml	95
31) 2-Chloroaniline	5.178	127	696599	44.867	ug/ml#	90
56) a-Terpineol	5.653	59	429714	49.201	ug/ml#	83
57) 3-Chloroaniline	5.659	65	180572	49.683	ug/ml	87
58) 2,6-Dichlorophenol	5.684	162	484433	48.197	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.942	111	227753	44.280	ug/ml#	1
60) Caprolactam	6.008	55	261055	42.386	ug/ml#	72
61) 1,2,4,5-Tetrachloroben...	6.464	216	551234	48.639	ug/ml	98
62) Biphenyl	6.763	154	1376229	38.483	ug/ml	98
84) Dichloran	8.460	206	186523	52.750	ug/ml#	68
85) Pentachloronitrobenzene	8.606	237	168675	50.001	ug/ml#	85
99) Diphenamid	9.691	167	1011695	43.252	ug/ml#	79

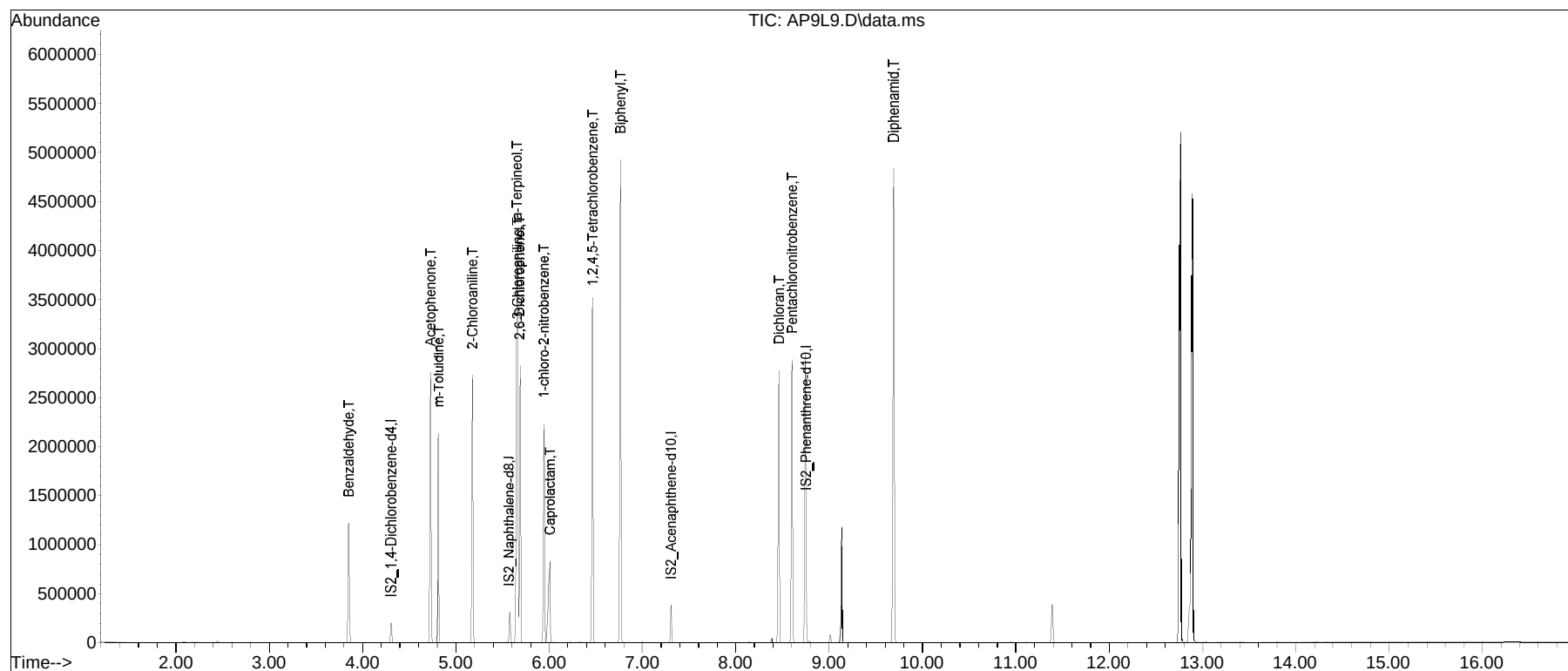
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L9.D
 Acq On : 28 Aug 2025 12:16 am
 Operator : SV106:smz
 Sample : IL2,32,,AP9L50 Lot# 11923
 Misc : WG2108428,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 05:52:35 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

Sub List : AP9L9.D\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L9.D Operator : SV106:smz
Date Inj'd : 8/28/2025 12:16 am Instrument : SV 106
Sample : IL2,32,,AP9L50 Lot# 11923 Quant Date : 8/28/2025 5:43 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L8.D
 Acq On : 28 Aug 2025 12:37 am
 Operator : SV106:smz
 Sample : IL3,32,,AP9L25 Lot# 11924
 Misc : WG2108428,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 28 05:52:12 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31524	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	101.86%		
55) IS2_Naphthalene-d8	5.573	136	123757	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	101.09%		
83) IS2_Acenaphthene-d10	7.304	164	71671	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	101.37%		
98) IS2_Phenanthrene-d10	8.752	188	146352	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	102.81%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.851	105	120804	23.568	ug/ml	89
29) Acetophenone	4.724	105	365051	21.678	ug/ml#	80
30) m-Toluidine	4.811	106	247710	20.644	ug/ml	95
31) 2-Chloroaniline	5.178	127	343357	21.854	ug/ml#	90
56) a-Terpineol	5.647	59	212848	24.802	ug/ml#	84
57) 3-Chloroaniline	5.656	65	89251	24.569	ug/ml	86
58) 2,6-Dichlorophenol	5.681	162	237159	23.795	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	111135	21.990	ug/ml#	1
60) Caprolactam	5.992	55	124811	20.624	ug/ml#	73
61) 1,2,4,5-Tetrachloroben...	6.461	216	272969	24.039	ug/ml	98
62) Biphenyl	6.760	154	681944	19.406	ug/ml	98
84) Dichloran	8.457	206	86479	24.655	ug/ml#	68
85) Pentachloronitrobenzene	8.603	237	78831	23.557	ug/ml#	86
99) Diphenamid	9.688	167	486540	21.189	ug/ml#	80

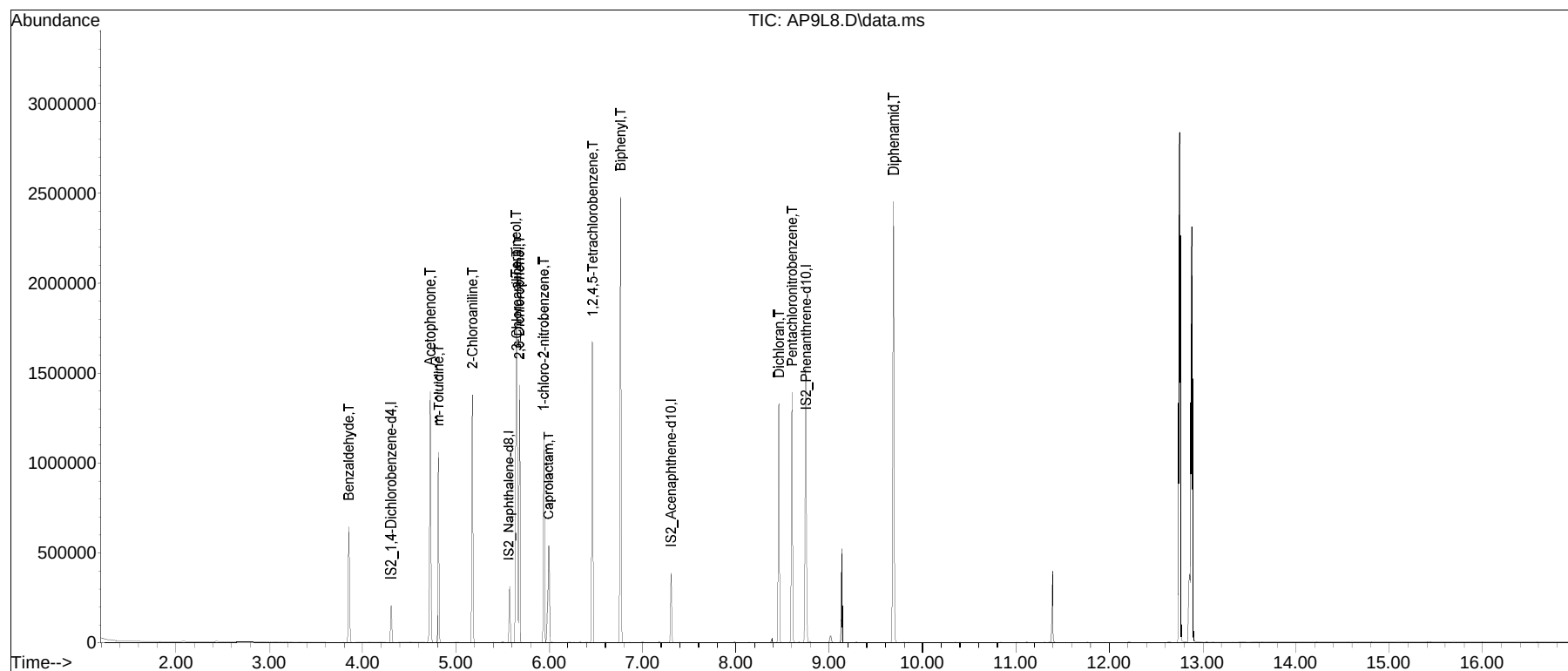
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L8.D
 Acq On : 28 Aug 2025 12:37 am
 Operator : SV106:smz
 Sample : IL3,32,,AP9L25 Lot# 11924
 Misc : WG2108428,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 28 05:52:12 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

Sub List : ~~AP9L8.D~~ I:\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L8.D Operator : SV106:smz
Date Inj'd : 8/28/2025 12:37 am Instrument : SV 106
Sample : IL3,32,,AP9L25 Lot# 11924 Quant Date : 8/28/2025 5:43 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L7.D
 Acq On : 28 Aug 2025 12:58 am
 Operator : SV106:smz
 Sample : IL4,32,,AP9L10 Lot# 11925
 Misc : WG2108428,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 05:50:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	30533	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	98.66%		
55) IS2_Naphthalene-d8	5.572	136	120539	4.000	ug/ml	# 0.00
Standard Area 3 = 122423			Recovery =	98.46%		
83) IS2_Acenaphthene-d10	7.304	164	69381	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	98.13%		
98) IS2_Phenanthrene-d10	8.752	188	140785	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	98.90%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.851	105	48293	9.514	ug/ml	90
29) Acetophenone	4.724	105	143352	8.608	ug/ml#	80
30) m-Toluidine	4.811	106	96223	8.278	ug/ml	95
31) 2-Chloroaniline	5.178	127	137425	9.067	ug/ml#	90
56) a-Terpineol	5.644	59	82884	9.916	ug/ml#	83
57) 3-Chloroaniline	5.653	65	35569	9.551	ug/ml	86
58) 2,6-Dichlorophenol	5.681	162	91829	9.198	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	43411	8.819	ug/ml#	1
60) Caprolactam	5.983	55	47092	7.989	ug/ml#	74
61) 1,2,4,5-Tetrachloroben...	6.461	216	108602	9.674	ug/ml	98
62) Biphenyl	6.760	154	271123	7.921	ug/ml	98
84) Dichloran	8.454	206	30239	8.906	ug/ml#	70
85) Pentachloronitrobenzene	8.603	237	29475	9.099	ug/ml#	87
99) Diphenamid	9.684	167	187126	8.472	ug/ml#	80

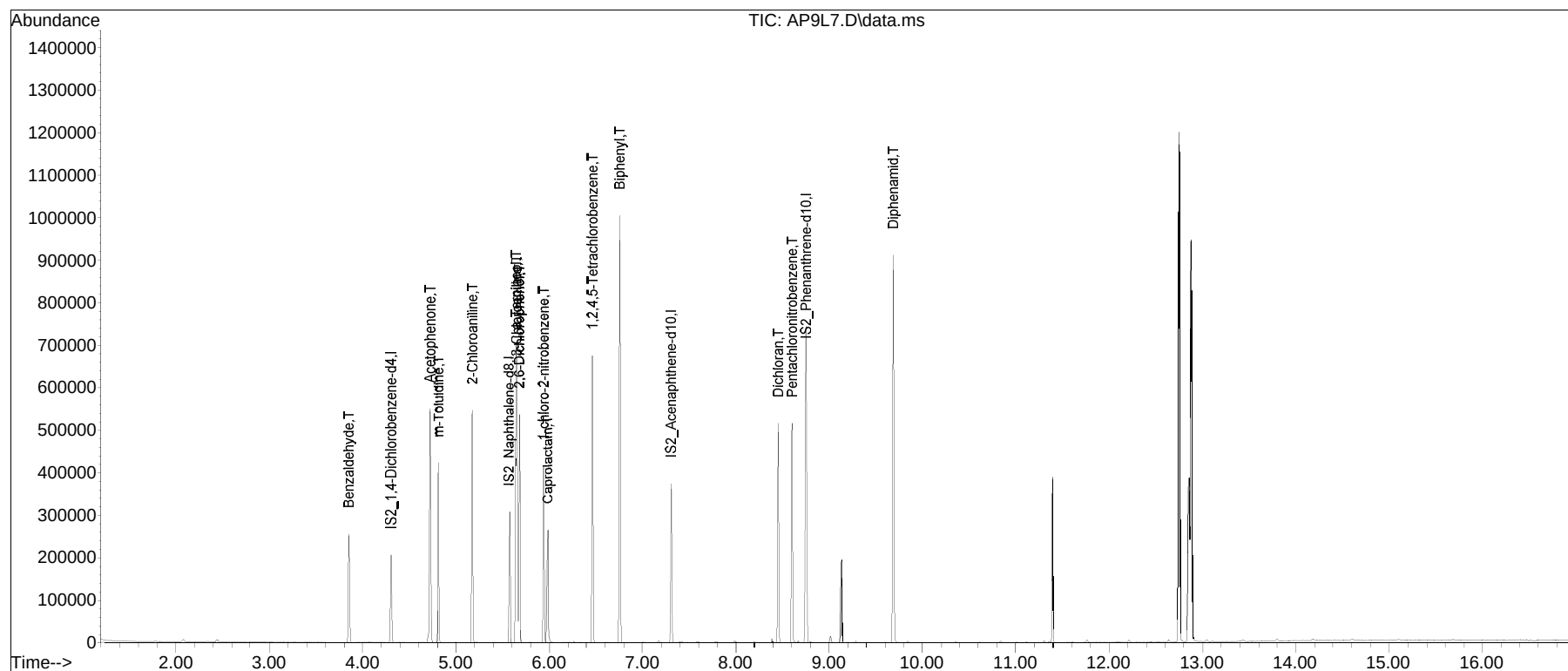
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L7.D
 Acq On : 28 Aug 2025 12:58 am
 Operator : SV106:smz
 Sample : IL4,32,,AP9L10 Lot# 11925
 Misc : WG2108428,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 05:50:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

Sub List : ~~AP9L7.D~~ I:\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L7.D Operator : SV106:smz
Date Inj'd : 8/28/2025 12:58 am Instrument : SV 106
Sample : IL4,32,,AP9L10 Lot# 11925 Quant Date : 8/28/2025 5:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L6.D
 Acq On : 28 Aug 2025 1:20 am
 Operator : SV106:smz
 Sample : IL5,32,,AP9L5 Lot# 11926
 Misc : WG2108428,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 28 05:49:50 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	30949	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery	=	100.00%	
55) IS2_Naphthalene-d8	5.572	136	122423	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery	=	100.00%	
83) IS2_Acenaphthene-d10	7.307	164	70701	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery	=	100.00%	
98) IS2_Phenanthrene-d10	8.752	188	142347	4.000	ug/ml	0.00
Standard Area 3 = 142347			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.854	105	24517	4.584	ug/ml	90
29) Acetophenone	4.724	105	72454	4.140	ug/ml#	81
30) m-Toluidine	4.811	106	46756	3.968	ug/ml	95
31) 2-Chloroaniline	5.178	127	67694	4.439	ug/ml#	90
56) a-Terpineol	5.644	59	40745	4.800	ug/ml#	82
57) 3-Chloroaniline	5.653	65	18735	4.544	ug/ml	93
58) 2,6-Dichlorophenol	5.678	162	44237	4.135	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	20884	4.177	ug/ml#	1
60) Caprolactam	5.976	55	22724	3.796	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	6.458	216	55634	4.824	ug/ml	97
62) Biphenyl	6.760	154	138418	3.982	ug/ml	98
84) Dichloran	8.454	206	14237	4.115	ug/ml#	70
85) Pentachloronitrobenzene	8.600	237	14496	4.391	ug/ml#	86
99) Diphenamid	9.684	167	91388	4.092	ug/ml#	80

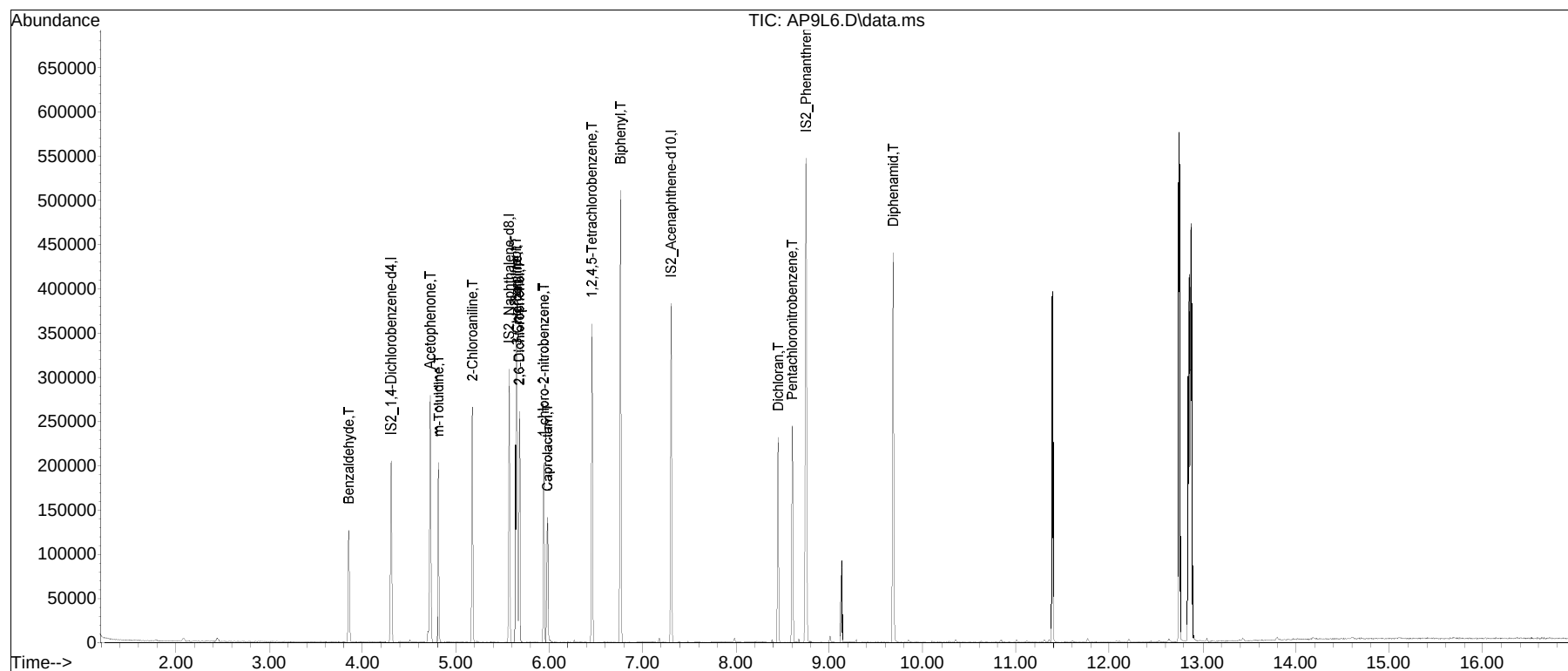
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L6.D
 Acq On : 28 Aug 2025 1:20 am
 Operator : SV106:smz
 Sample : IL5,32,,AP9L5 Lot# 11926
 Misc : WG2108428,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 28 05:49:50 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

Sub List : ~~AP9L6.D~~ I:\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L6.D Operator : SV106:smz
Date Inj'd : 8/28/2025 1:20 am Instrument : SV 106
Sample : IL5,32,,AP9L5 Lot# 11926 Quant Date : 8/28/2025 5:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L5.D
 Acq On : 28 Aug 2025 1:41 am
 Operator : SV106:smz
 Sample : IL6,32,,AP9L2.5 Lot# 11927
 Misc : WG2108428,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 28 05:49:28 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31488	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	101.74%		
55) IS2_Naphthalene-d8	5.572	136	123415	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	100.81%		
83) IS2_Acenaphthene-d10	7.303	164	69959	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	98.95%		
98) IS2_Phenanthrene-d10	8.752	188	139425	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	97.95%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.850	105	12800	2.175	ug/ml	91
29) Acetophenone	4.724	105	37207	1.939	ug/ml#	80
30) m-Toluidine	4.811	106	22875	1.907	ug/ml	95
31) 2-Chloroaniline	5.178	127	34404	2.248	ug/ml#	90
56) a-Terpineol	5.644	59	20380	2.381	ug/ml#	81
57) 3-Chloroaniline	5.656	65	9233	1.787	ug/ml	90
58) 2,6-Dichlorophenol	5.678	162	21794	1.799	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	10575	2.098	ug/ml#	1
60) Caprolactam	5.973	55	11167	1.850	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	6.458	216	28206	2.384	ug/ml	97
62) Biphenyl	6.760	154	71591	2.043	ug/ml	99
84) Dichloran	8.453	206	6372	1.861	ug/ml#	72
85) Pentachloronitrobenzene	8.600	237	6722	2.058	ug/ml#	86
99) Diphenamid	9.684	167	43972	2.010	ug/ml#	78

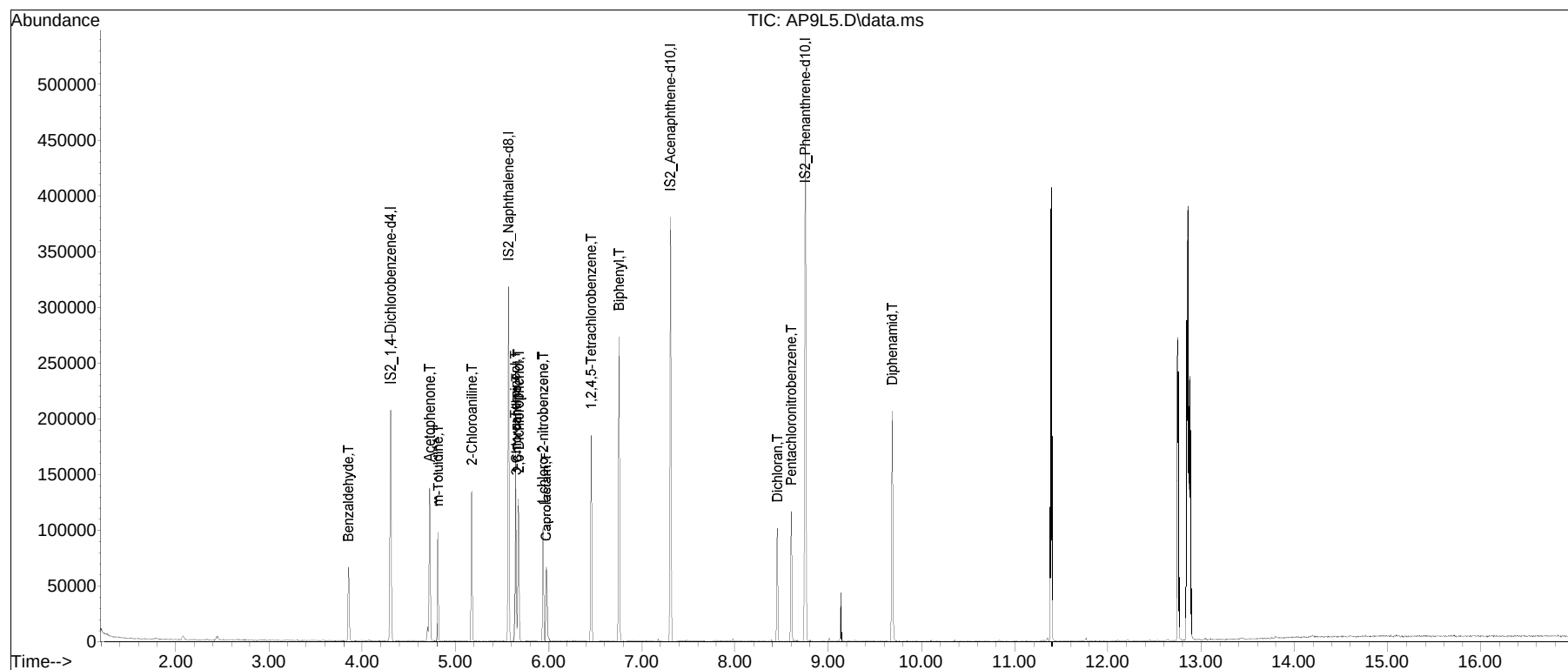
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L5.D
 Acq On : 28 Aug 2025 1:41 am
 Operator : SV106:smz
 Sample : IL6,32,,AP9L2.5 Lot# 11927
 Misc : WG2108428,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 28 05:49:28 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

Sub List : ~~AP9L5.D~~ I:\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L5.D Operator : SV106:smz
Date Inj'd : 8/28/2025 1:41 am Instrument : SV 106
Sample : IL6,32,,AP9L2.5 Lot# 11927 Quant Date : 8/28/2025 5:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L4.D
 Acq On : 28 Aug 2025 2:03 am
 Operator : SV106:smz
 Sample : IL7,32,,AP9L1 Lot# 11928
 Misc : WG2108428,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 28 05:49:06 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	32169	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	103.94%		
55) IS2_Naphthalene-d8	5.572	136	127123	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	103.84%		
83) IS2_Acenaphthene-d10	7.303	164	72215	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	102.14%		
98) IS2_Phenanthrene-d10	8.752	188	142802	4.000	ug/ml	0.00
Standard Area 3 = 142347			Recovery =	100.32%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.853	105	5276	0.661	ug/ml	87
29) Acetophenone	4.724	105	14867	0.573	ug/ml#	80
30) m-Toluidine	4.811	106	7331	0.597	ug/ml	95
31) 2-Chloroaniline	5.174	127	13198	0.883	ug/ml#	89
56) a-Terpineol	5.644	59	8261	0.937	ug/ml#	84
57) 3-Chloroaniline	5.653	65	3531	0.129	ug/ml	81
58) 2,6-Dichlorophenol	5.678	162	8168	0.379	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	4380	0.844	ug/ml#	1
60) Caprolactam	5.973	55	3951	0.636	ug/ml#	77
61) 1,2,4,5-Tetrachloroben...	6.458	216	11563	0.902	ug/ml	97
62) Biphenyl	6.760	154	28809	0.798	ug/ml	99
84) Dichloran	8.454	206	2437	0.690	ug/ml#	68
85) Pentachloronitrobenzene	8.600	237	2445	0.725	ug/ml	87
99) Diphenamid	9.684	167	16325	0.729	ug/ml#	80

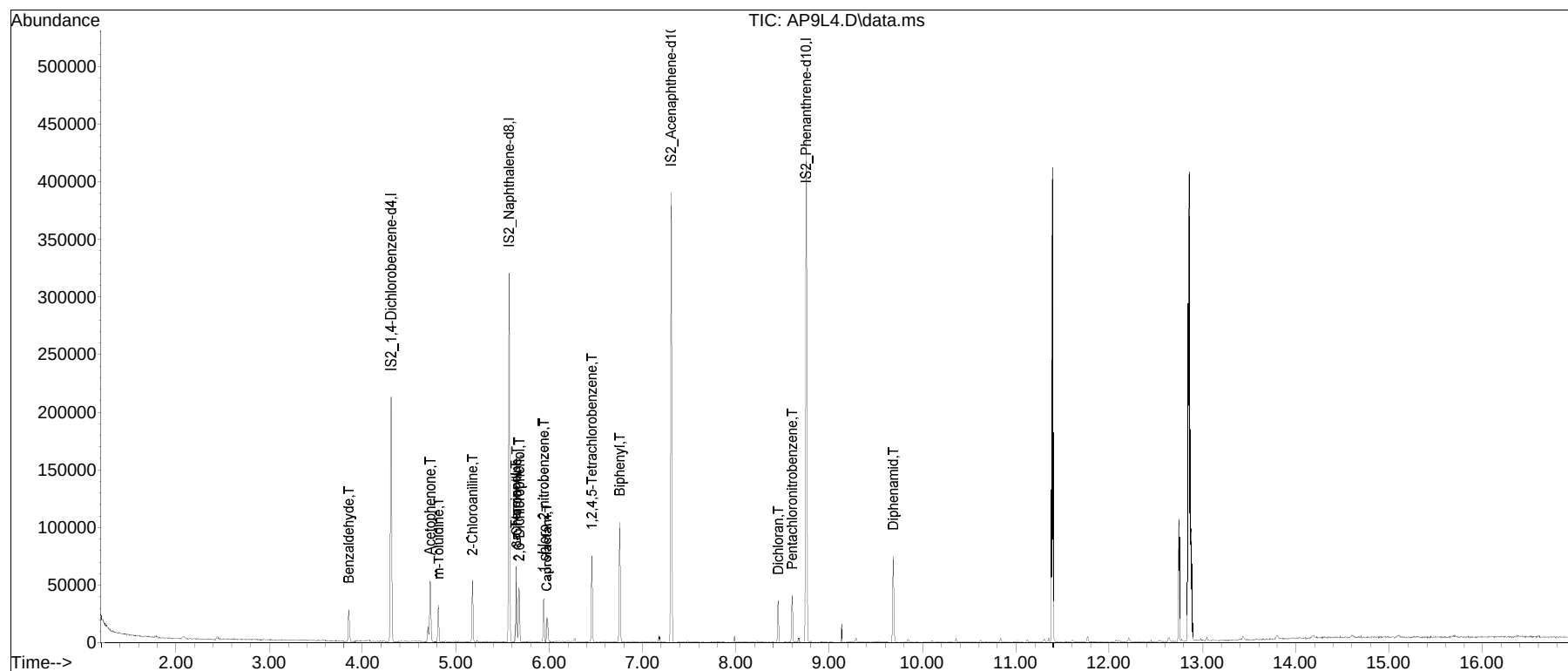
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L4.D
 Acq On : 28 Aug 2025 2:03 am
 Operator : SV106:smz
 Sample : IL7,32,,AP9L1 Lot# 11928
 Misc : WG2108428,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 28 05:49:06 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

Sub List : ~~AP9L4\8270\SV106\250827ICAL\AP9L6.D~~•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L4.D Operator : SV106:smz
Date Inj'd : 8/28/2025 2:03 am Instrument : SV 106
Sample : IL7,32,,AP9L1 Lot# 11928 Quant Date : 8/28/2025 5:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L3.D
 Acq On : 28 Aug 2025 2:24 am
 Operator : SV106:smz
 Sample : IL8,32,,AP9L0.5 Lot# 11929
 Misc : WG2108428,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 28 10:46:21 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	30712	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	99.23%		
55) IS2_Naphthalene-d8	5.572	136	121925	4.000	ug/ml	# 0.00
Standard Area 3 = 122423			Recovery =	99.59%		
83) IS2_Acenaphthene-d10	7.307	164	68121	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	96.35%		
98) IS2_Phenanthrene-d10	8.752	188	134155	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	94.25%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.854	105	2530	0.511	ug/ml	90
29) Acetophenone	4.727	105	7956	0.544	ug/ml#	77
30) m-Toluidine	4.811	106	2869	0.333	ug/ml#	89
31) 2-Chloroaniline	5.178	127	6731	0.509	ug/ml#	91
56) a-Terpineol	5.644	59	3950	0.485	ug/ml#	79
57) 3-Chloroaniline	5.653	65	1709	0.490	ug/ml	81
58) 2,6-Dichlorophenol	5.681	162	4302	0.495	ug/ml#	81
59) 1-chloro-2-nitrobenzene	5.936	111	2003	0.488	ug/ml#	1
60) Caprolactam	5.976	55	1830	0.424	ug/ml#	71
61) 1,2,4,5-Tetrachloroben...	6.461	216	6021	0.529	ug/ml	98
62) Biphenyl	6.760	154	14379	0.507	ug/ml	98
84) Dichloran	8.451	206	1175	0.436	ug/ml#	71
85) Pentachloronitrobenzene	8.600	237	1187	0.451	ug/ml#	86
99) Diphenamid	9.684	167	7361	0.451	ug/ml#	82

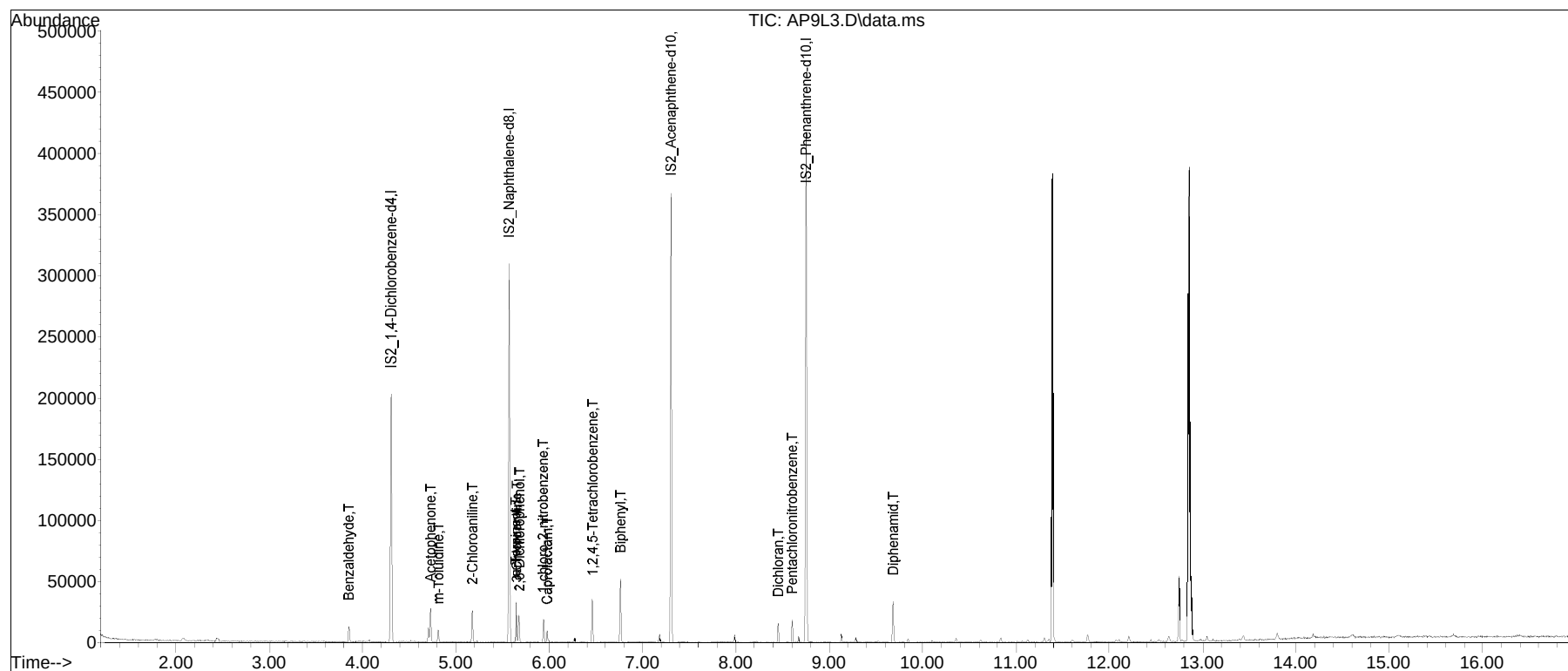
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L3.D
 Acq On : 28 Aug 2025 2:24 am
 Operator : SV106:smz
 Sample : IL8,32,,AP9L0.5 Lot# 11929
 Misc : WG2108428,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 28 10:46:21 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ~~AP9L3.D~~ I:\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L3.D Operator : SV106:smz
Date Inj'd : 8/28/2025 2:24 am Instrument : SV 106
Sample : IL8,32,,AP9L0.5 Lot# 11929 Quant Date : 8/28/2025 10:47 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L2.D
 Acq On : 28 Aug 2025 2:45 am
 Operator : SV106:smz
 Sample : IL9,32,,AP9L0.2 Lot# 11930
 Misc : WG2108428,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 10:48:11 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	32104	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	103.73%		
55) IS2_Naphthalene-d8	5.572	136	122317	4.000	ug/ml	# 0.00
Standard Area 3 = 122423			Recovery =	99.91%		
83) IS2_Acenaphthene-d10	7.304	164	70864	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	100.23%		
98) IS2_Phenanthrene-d10	8.752	188	139328	4.000	ug/ml	0.00
Standard Area 3 = 142347			Recovery =	97.88%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.857	105	1059	0.205	ug/ml#	77
29) Acetophenone	4.727	105	3100	0.203	ug/ml#	67
30) m-Toluidine	0.000		0	N.D.		
31) 2-Chloroaniline	5.178	127	2596	0.188	ug/ml#	90
56) a-Terpineol	5.644	59	1651	0.202	ug/ml#	81
57) 3-Chloroaniline	5.656	65	624	0.178	ug/ml#	73
58) 2,6-Dichlorophenol	5.678	162	1600	0.183	ug/ml#	79
59) 1-chloro-2-nitrobenzene	5.939	111	740	0.180	ug/ml#	1
60) Caprolactam	5.983	55	691	0.159	ug/ml#	43
61) 1,2,4,5-Tetrachloroben...	6.461	216	2548	0.223	ug/ml#	83
62) Biphenyl	6.760	154	5871	0.206	ug/ml	99
84) Dichloran	8.454	206	440M2	0.157	ug/ml	
85) Pentachloronitrobenzene	8.600	237	389M2	0.142	ug/ml	
99) Diphenamid	9.684	167	2847	0.168	ug/ml	84

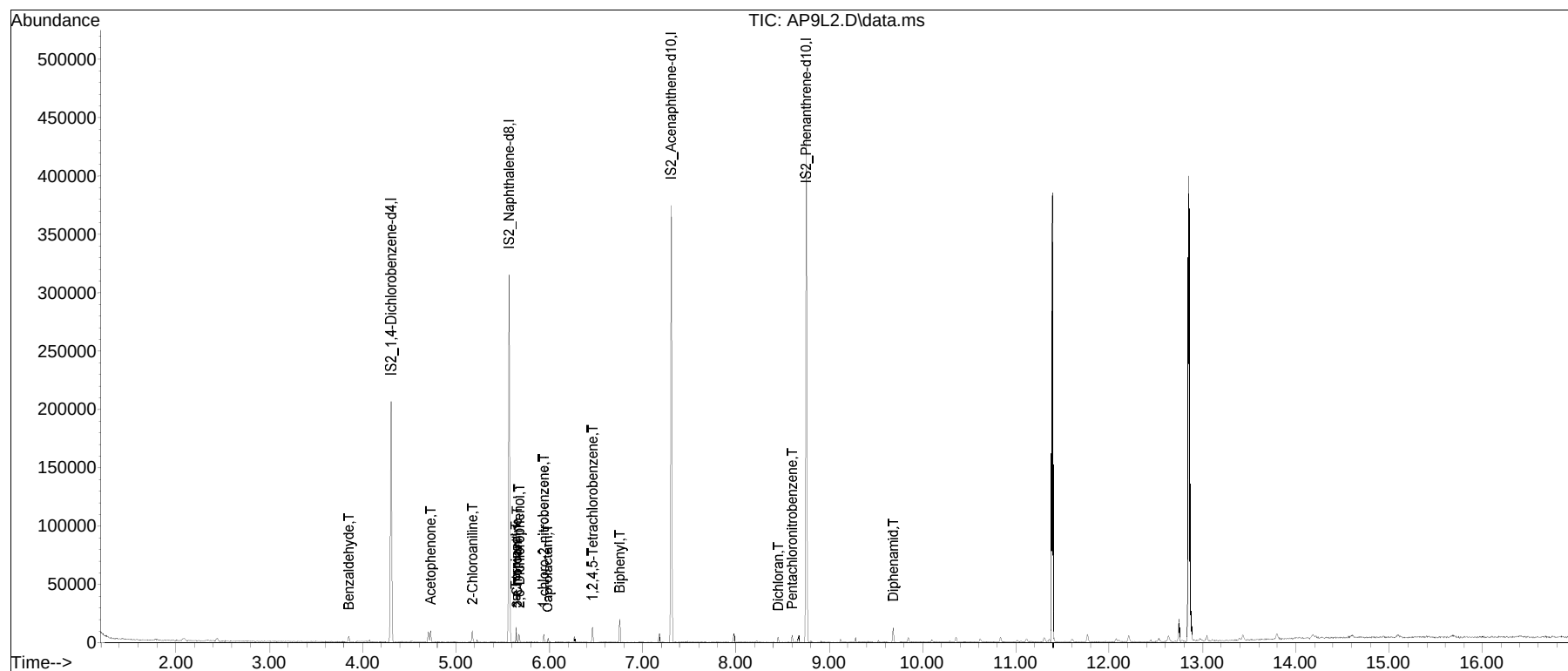
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L2.D
 Acq On : 28 Aug 2025 2:45 am
 Operator : SV106:smz
 Sample : IL9,32,,AP9L0.2 Lot# 11930
 Misc : WG2108428,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 10:48:11 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

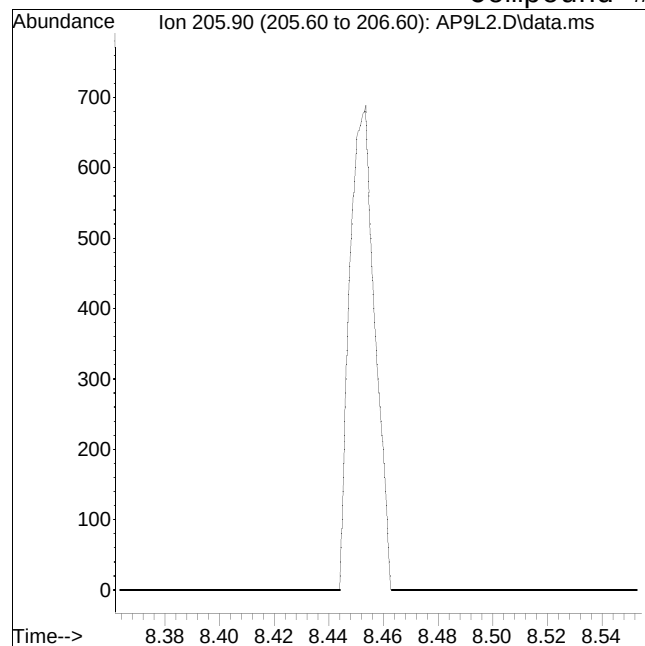
Sub List : ~~AP9L2.D~~ I:\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

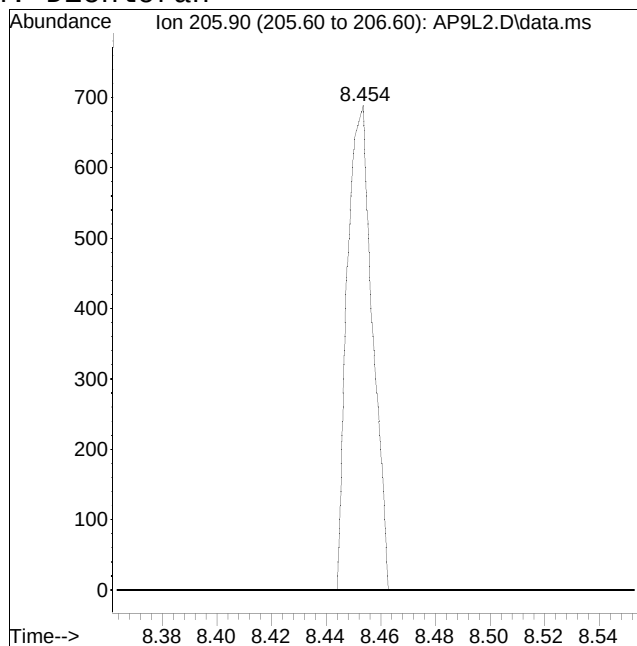
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L2.D Operator : SV106:smz
Date Inj'd : 8/28/2025 2:45 am Instrument : SV 106
Sample : IL9,32,,AP9L0.2 Lot# 11930 Quant Date : 8/28/2025 10:48 am

Compound #84: Dichloran



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

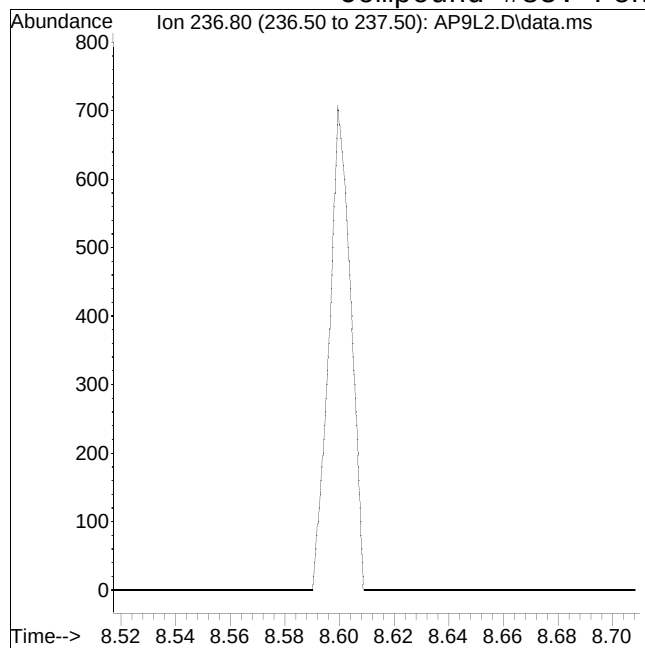


Manual Peak Response = 440 M2

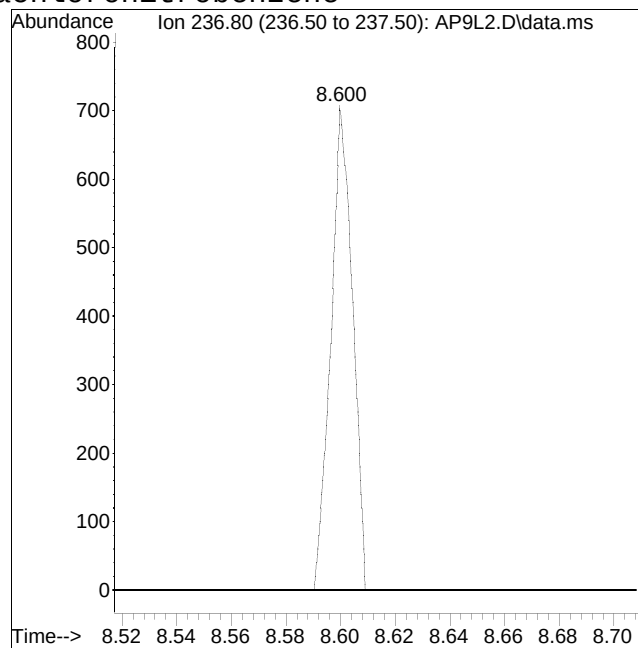
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L2.D Operator : SV106:smz
Date Inj'd : 8/28/2025 2:45 am Instrument : SV 106
Sample : IL9,32,,AP9L0.2 Lot# 11930 Quant Date : 8/28/2025 10:48 am

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0



Manual Peak Response = 389 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L1.D
 Acq On : 28 Aug 2025 3:07 am
 Operator : SV106:smz
 Sample : IL10,32,,AP9L0.1 Lot# 11931
 Misc : WG2108428,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 10:52:32 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31753	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	102.60%		
55) IS2_Naphthalene-d8	5.572	136	123256	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	100.68%		
83) IS2_Acenaphthene-d10	7.304	164	69755	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	98.66%		
98) IS2_Phenanthrene-d10	8.752	188	136809	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	96.11%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.860	105	538	0.105	ug/ml#	1
29) Acetophenone	4.730	105	1504	0.099	ug/ml#	39
30) m-Toluidine	0.000		0	N.D.		
31) 2-Chloroaniline	5.178	127	1324	0.097	ug/ml#	42
56) a-Terpineol	5.644	59	804	0.098	ug/ml#	32
57) 3-Chloroaniline	0.000		0	N.D. d		
58) 2,6-Dichlorophenol	5.681	162	848	0.096	ug/ml#	49
59) 1-chloro-2-nitrobenzene	5.939	111	359M2	0.086	ug/ml	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	6.461	216	1202	0.105	ug/ml#	86
62) Biphenyl	6.760	154	3328	0.116	ug/ml	98
84) Dichloran	8.450	206	257M2	0.093	ug/ml	
85) Pentachloronitrobenzene	0.000		0	N.D. d		
99) Diphenamid	9.684	167	1543	0.093	ug/ml#	80

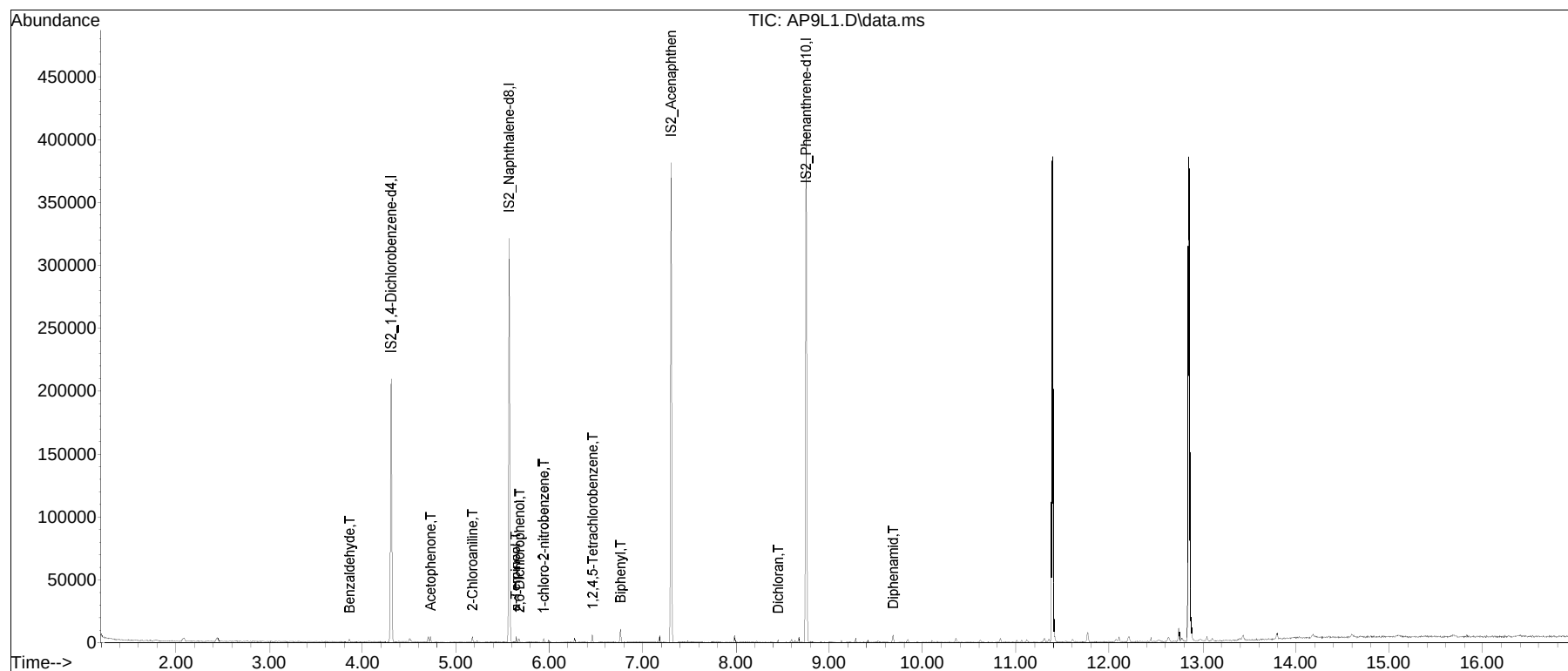
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L1.D
 Acq On : 28 Aug 2025 3:07 am
 Operator : SV106:smz
 Sample : IL10,32,,AP9L0.1 Lot# 11931
 Misc : WG2108428,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 10:52:32 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

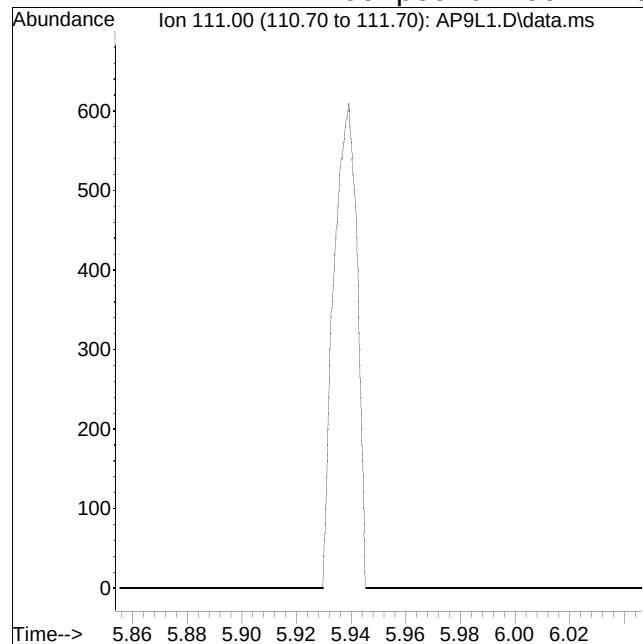
Sub List : ~~AP9L1.D\8270\SV106\250827ICAL\AP9L1.D~~•



Manual Integration Report

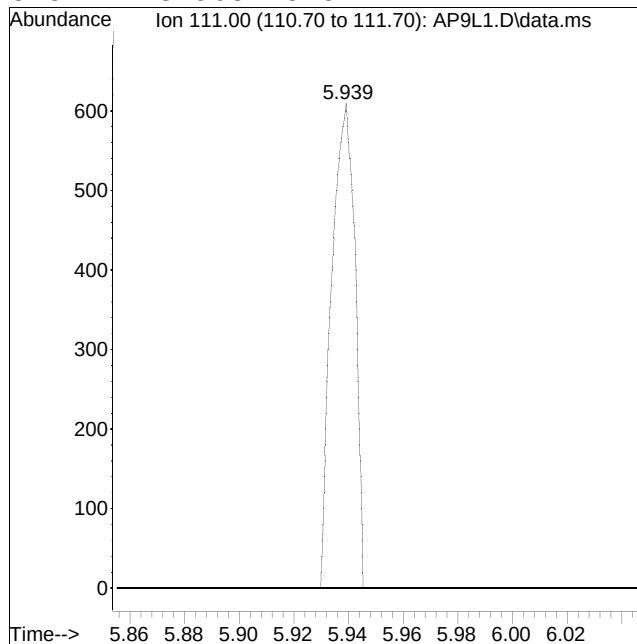
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L1.D Operator : SV106:smz
Date Inj'd : 8/28/2025 3:07 am Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 11930 Quant Date : 8/28/2025 10:51 am

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

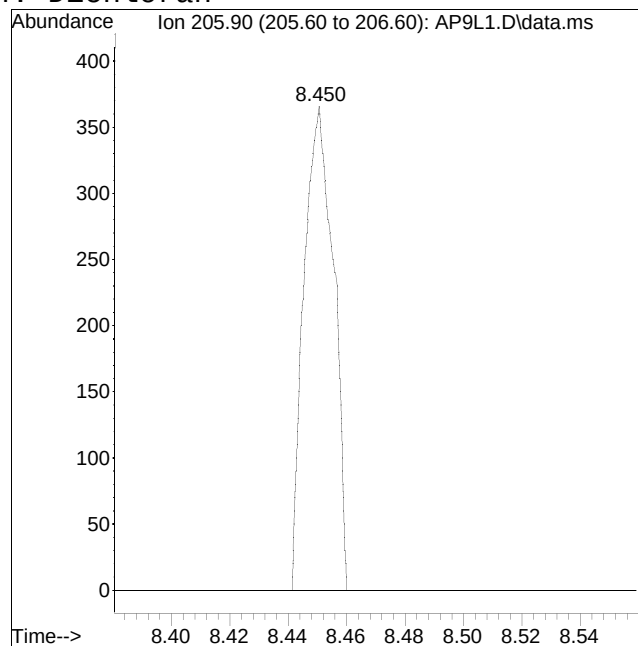
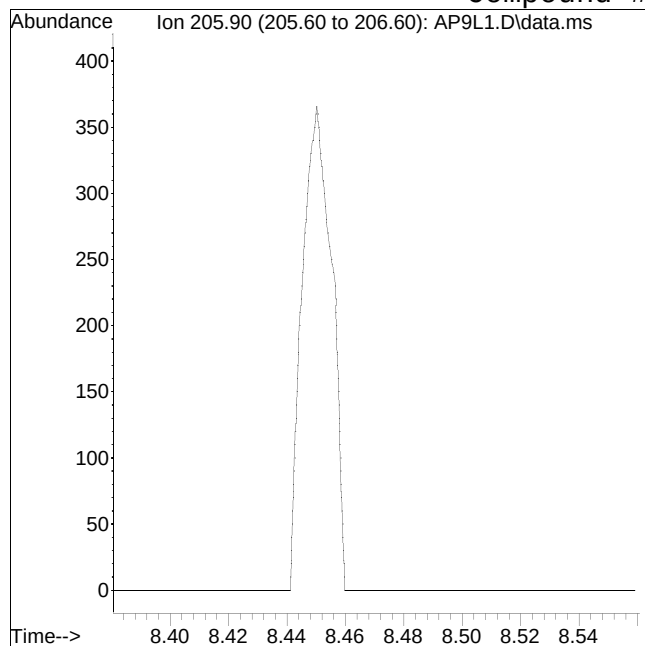


Manual Peak Response = 359 M2

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L1.D Operator : SV106:smz
Date Inj'd : 8/28/2025 3:07 am Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1193 Quant Date : 8/28/2025 10:51 am

Compound #84: Dichloran



Original Peak Response = 0

Manual Peak Response = 257 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL9.D
 Acq On : 28 Aug 2025 3:28 am
 Operator : SV106:smz
 Sample : IL2,32,,ADPL50 Lot# 11903
 Misc : WG2108428,,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 28 11:02:19 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31585	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	100.32%	
86) IS3_Acenaphthene-d10	7.304	164	72015	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	103.51%	
100) IS3_Phenanthrene-d10	8.752	188	148512	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery	=	106.21%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.358	88	174690	46.407	ug/ml#	78
34) n-Decane	4.211	57	562885	49.185	ug/ml#	41
87) Atrazine	8.556	200	402666	60.133	ug/ml	94
101) n-Octadecane	8.764	57	917492	51.499	ug/ml#	1
102) Parathion	9.573	109	280896	51.384	ug/ml	98
103) 3,3'-Dimethylbenzidine	10.850	212	1749288	49.759	ug/ml	99

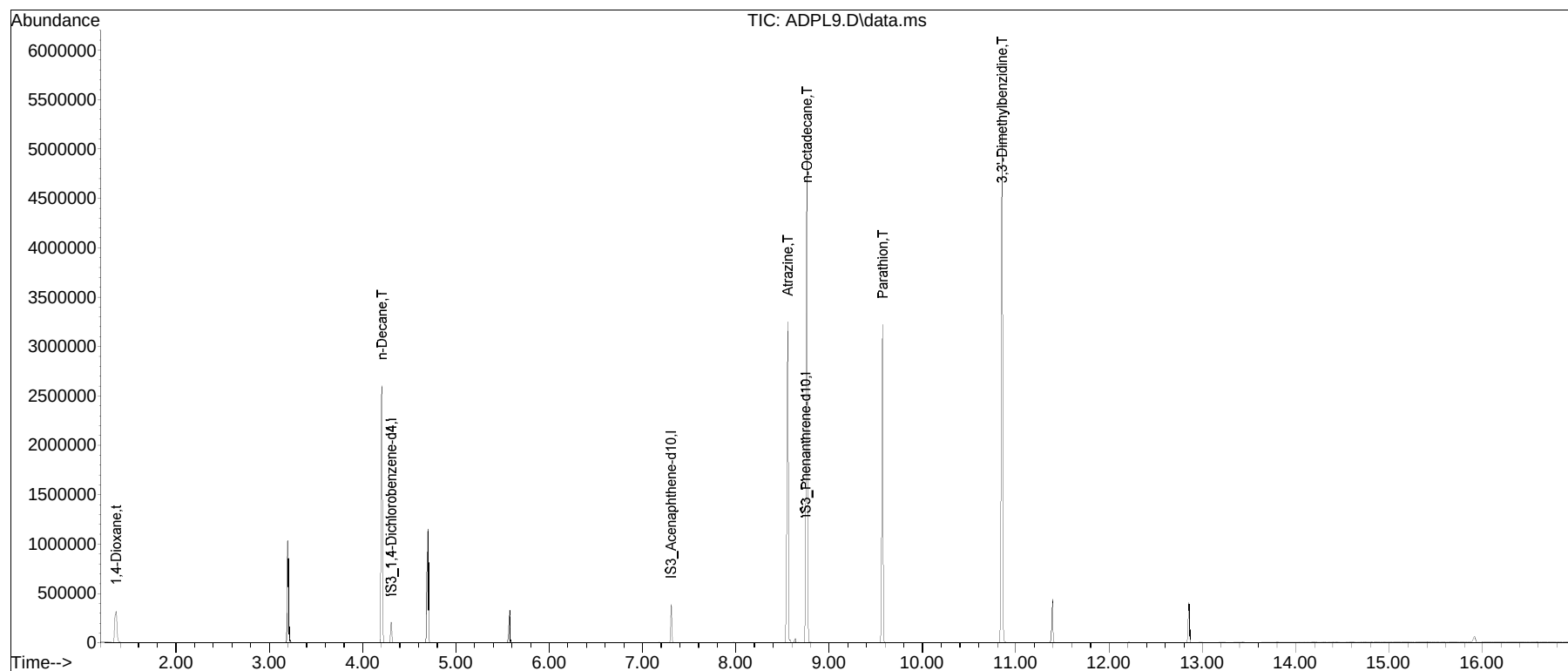
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL9.D
 Acq On : 28 Aug 2025 3:28 am
 Operator : SV106:smz
 Sample : IL2,32,,ADPL50 Lot# 11903
 Misc : WG2108428,,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 28 11:02:19 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPICAL\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL9.D Operator : SV106:smz
Date Inj'd : 8/28/2025 3:28 am Instrument : SV 106
Sample : IL2,32,,ADPL50 Lot# 11903 Quant Date : 8/28/2025 11:03 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL8.D
 Acq On : 28 Aug 2025 3:50 am
 Operator : SV106:smz
 Sample : IL3,32,,ADPL25 Lot# 11904
 Misc : WG2108428,,
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 28 11:02:08 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31153	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	98.95%	
86) IS3_Acenaphthene-d10	7.304	164	69196	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	99.46%	
100) IS3_Phenanthrene-d10	8.752	188	140591	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	100.55%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.351	88	89165	24.016	ug/ml#	78
34) n-Decane	4.208	57	289950	25.687	ug/ml#	40
87) Atrazine	8.550	200	193884	30.134	ug/ml	94
101) n-Octadecane	8.764	57	460307	27.293	ug/ml#	1
102) Parathion	9.566	109	130607	25.599	ug/ml	98
103) 3,3'-Dimethylbenzidine	10.847	212	847608	26.157	ug/ml	99

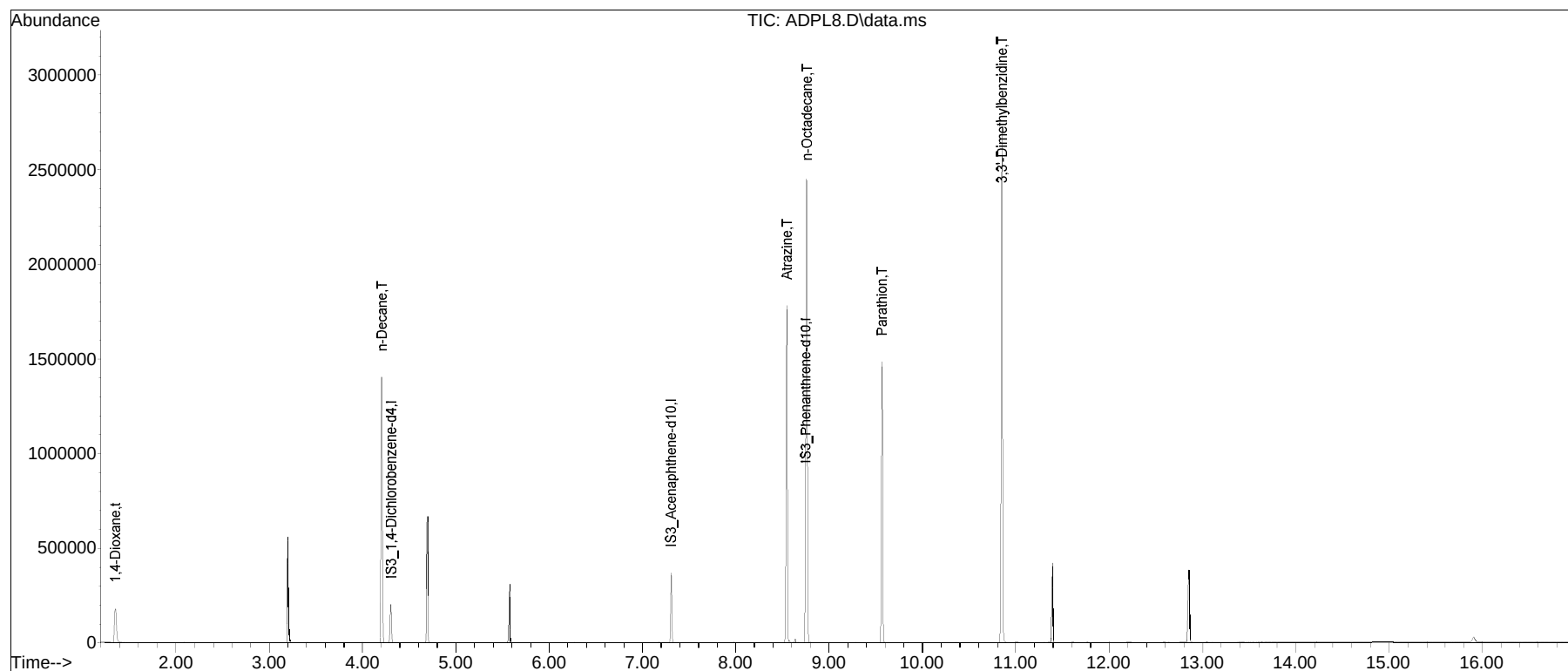
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL8.D
 Acq On : 28 Aug 2025 3:50 am
 Operator : SV106:smz
 Sample : IL3,32,,ADPL25 Lot# 11904
 Misc : WG2108428,,
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 28 11:02:08 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPL8.D\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL8.D Operator : SV106:smz
Date Inj'd : 8/28/2025 3:50 am Instrument : SV 106
Sample : IL3,32,,ADPL25 Lot# 11904 Quant Date : 8/28/2025 11:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL7.D
 Acq On : 28 Aug 2025 4:11 am
 Operator : SV106:smz
 Sample : IL4,32,,ADPL10 Lot# 11905
 Misc : WG2108428,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 28 11:01:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	33610	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	106.75%	
86) IS3_Acenaphthene-d10	7.304	164	73698	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	105.93%	
100) IS3_Phenanthrene-d10	8.752	188	150214	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	107.43%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.361	88	35778	8.932	ug/ml#	79
34) n-Decane	4.208	57	114805	9.427	ug/ml#	40
87) Atrazine	8.544	200	72027	10.511	ug/ml	94
101) n-Octadecane	8.761	57	184423	10.234	ug/ml#	1
102) Parathion	9.566	109	44333	8.616	ug/ml	97
103) 3,3'-Dimethylbenzidine	10.844	212	281581	9.104	ug/ml	99

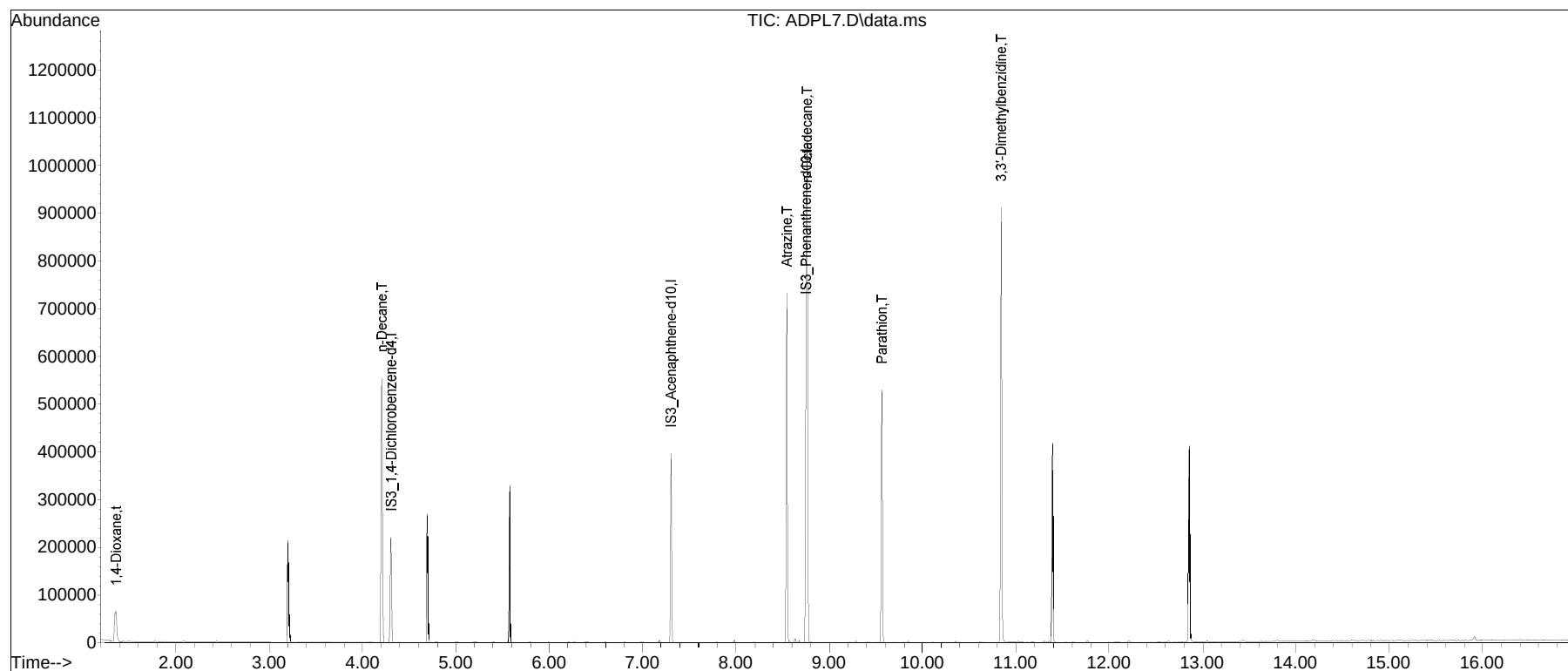
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL7.D
 Acq On : 28 Aug 2025 4:11 am
 Operator : SV106:smz
 Sample : IL4,32,,ADPL10 Lot# 11905
 Misc : WG2108428,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 28 11:01:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPL7.D\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL7.D Operator : SV106:smz
Date Inj'd : 8/28/2025 4:11 am Instrument : SV 106
Sample : IL4,32,,ADPL10 Lot# 11905 Quant Date : 8/28/2025 11:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL6.D
 Acq On : 28 Aug 2025 4:32 am
 Operator : SV106:smz
 Sample : IL5,32,,ADPL5 Lot# 11906
 Misc : WG2108428,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 28 11:01:22 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31485	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	100.00%	
86) IS3_Acenaphthene-d10	7.304	164	69570	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	100.00%	
100) IS3_Phenanthrene-d10	8.752	188	139824	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.355	88	17792	4.742	ug/ml#	80
34) n-Decane	4.208	57	55937	4.903	ug/ml#	39
87) Atrazine	8.544	200	32791	5.069	ug/ml	93
101) n-Octadecane	8.761	57	85590	5.103	ug/ml#	1
102) Parathion	9.566	109	18787	4.309	ug/ml	96
103) 3,3'-Dimethylbenzidine	10.844	212	112678	4.718	ug/ml	99

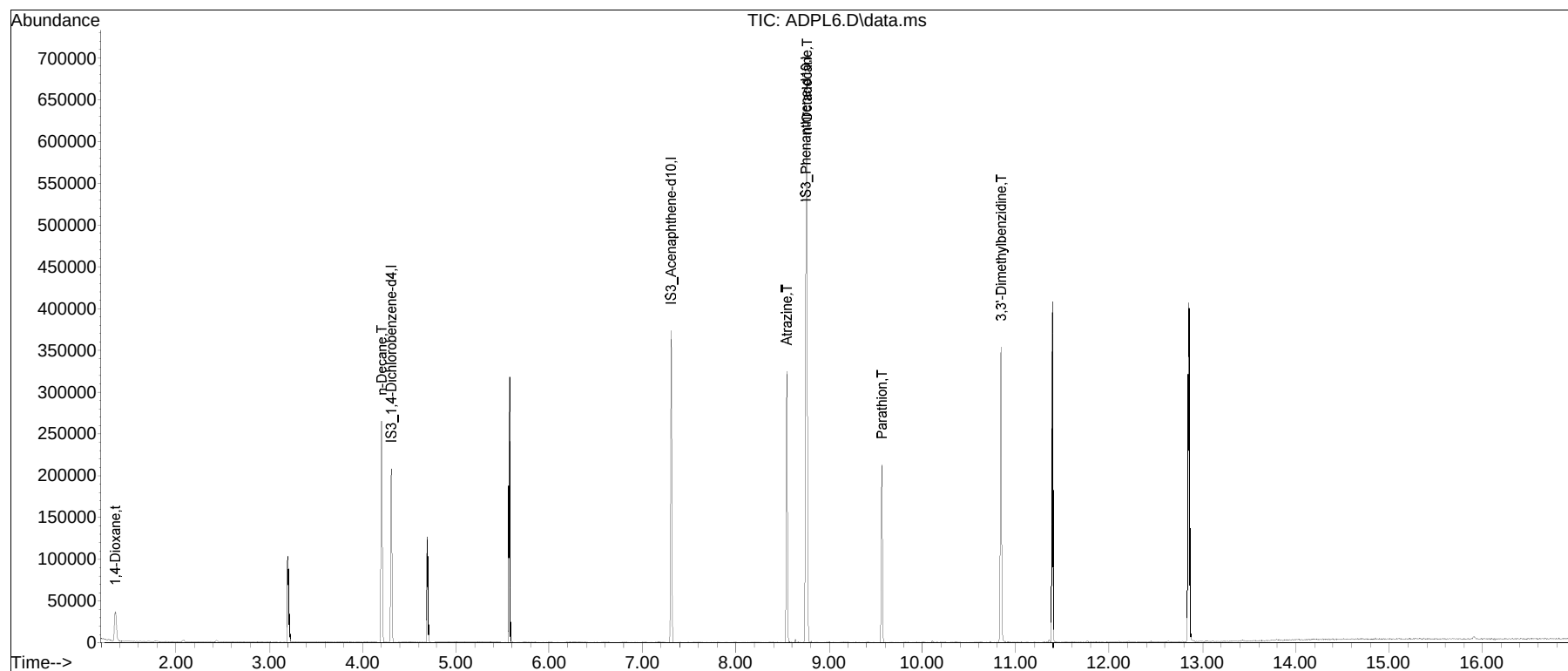
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL6.D
 Acq On : 28 Aug 2025 4:32 am
 Operator : SV106:smz
 Sample : IL5,32,,ADPL5 Lot# 11906
 Misc : WG2108428,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 28 11:01:22 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPICAL\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ADPL6.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 4:32 am	Instrument	: SV 106
Sample	: IL5,32,,ADPL5 Lot# 11906	Quant Date	: 8/28/2025 11:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL5.D
 Acq On : 28 Aug 2025 4:54 am
 Operator : SV106:smz
 Sample : IL6,32,,ADPL2.5 Lot# 11907
 Misc : WG2108428,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 28 11:01:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	32740	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	103.99%	
86) IS3_Acenaphthene-d10	7.304	164	72755	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	104.58%	
100) IS3_Phenanthrene-d10	8.752	188	144048	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	103.02%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.352	88	9419	2.414	ug/ml#	81
34) n-Decane	4.208	57	28825	2.430	ug/ml#	37
87) Atrazine	8.541	200	16094	2.379	ug/ml	93
101) n-Octadecane	8.761	57	41584	2.406	ug/ml#	1
102) Parathion	9.566	109	8440	2.278	ug/ml	99
103) 3,3'-Dimethylbenzidine	10.841	212	47430	2.761	ug/ml	99

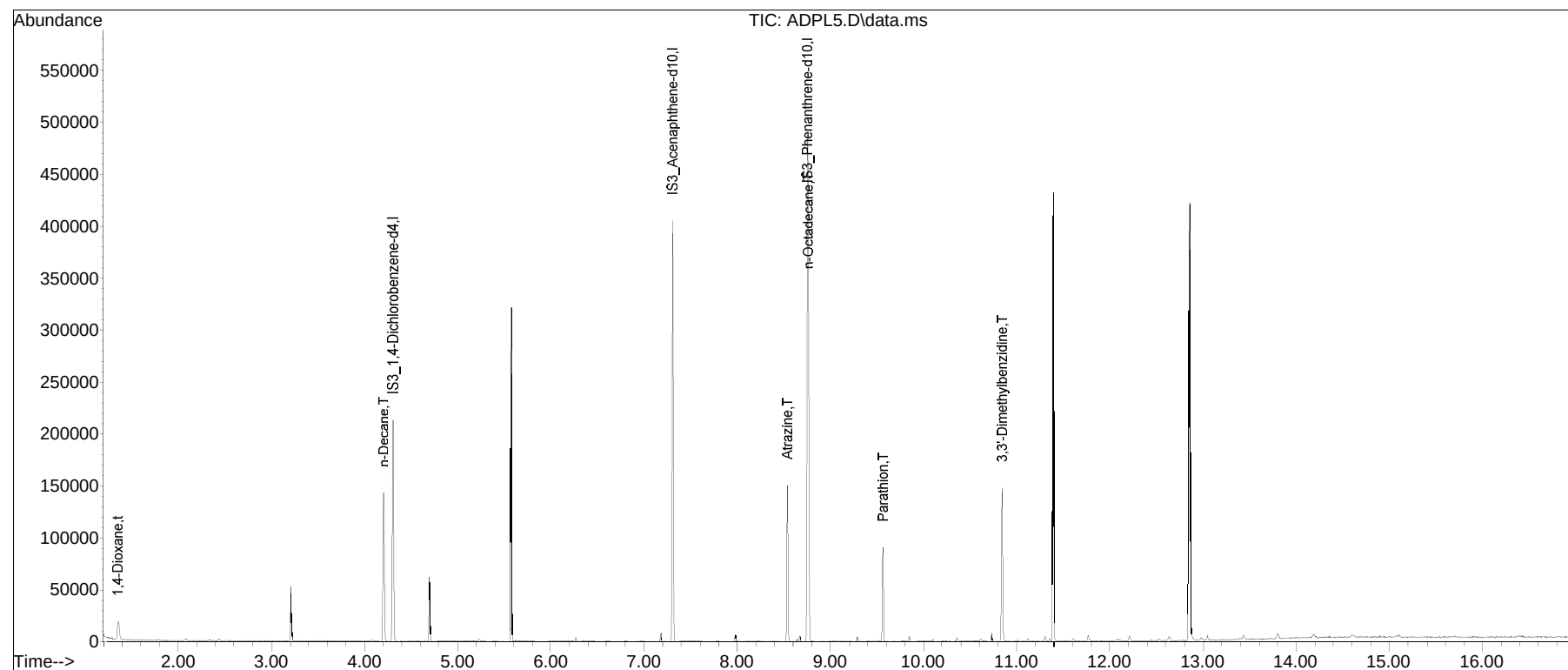
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL5.D
 Acq On : 28 Aug 2025 4:54 am
 Operator : SV106:smz
 Sample : IL6,32,,ADPL2.5 Lot# 11907
 Misc : WG2108428,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 28 11:01:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPL5.D\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL5.D Operator : SV106:smz
Date Inj'd : 8/28/2025 4:54 am Instrument : SV 106
Sample : IL6,32,,ADPL2.5 Lot# 11907 Quant Date : 8/28/2025 11:01 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL4.D
 Acq On : 28 Aug 2025 5:15 am
 Operator : SV106:smz
 Sample : IL7,32,,ADPL1 Lot# 11908
 Misc : WG2108428,,
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 28 11:01:00 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	32852	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	104.34%	
86) IS3_Acenaphthene-d10	7.304	164	73562	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	105.74%	
100) IS3_Phenanthrene-d10	8.752	188	146637	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	104.87%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.361	88	4064	1.038	ug/ml#	78
34) n-Decane	4.211	57	11730	0.985	ug/ml#	38
87) Atrazine	8.541	200	6280	0.918	ug/ml	94
101) n-Octadecane	8.761	57	16833	0.957	ug/ml#	1
102) Parathion	9.563	109	3311	1.314	ug/ml	95
103) 3,3'-Dimethylbenzidine	10.841	212	12923	1.772	ug/ml	99

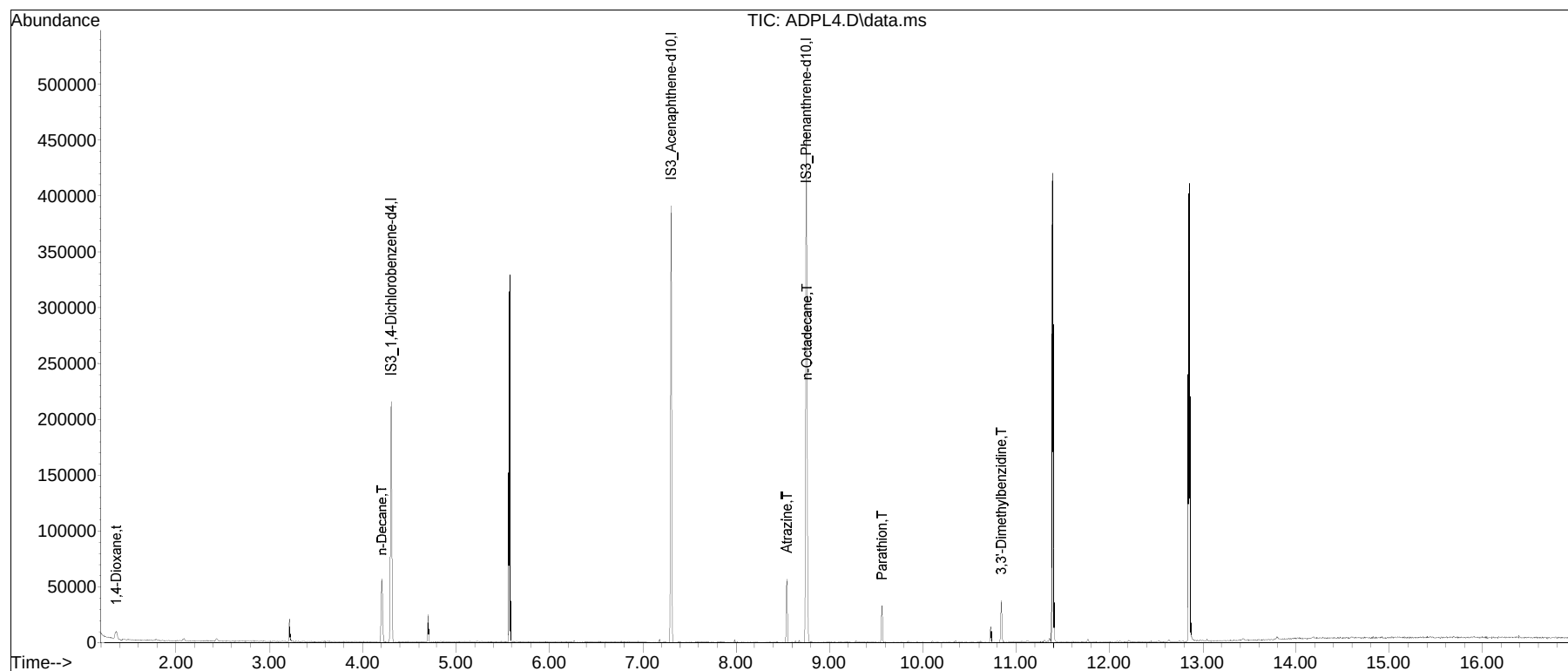
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL4.D
 Acq On : 28 Aug 2025 5:15 am
 Operator : SV106:smz
 Sample : IL7,32,,ADPL1 Lot# 11908
 Misc : WG2108428,,
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 28 11:01:00 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPL4.D\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL4.D Operator : SV106:smz
Date Inj'd : 8/28/2025 5:15 am Instrument : SV 106
Sample : IL7,32,,ADPL1 Lot# 11908 Quant Date : 8/28/2025 11:01 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL3.D
 Acq On : 28 Aug 2025 5:36 am
 Operator : SV106:smz
 Sample : IL8,32,,ADPL0.5 Lot# 11909
 Misc : WG2108428,,
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 28 11:00:50 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	32239	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	102.39%	
86) IS3_Acenaphthene-d10	7.303	164	71685	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	103.04%	
100) IS3_Phenanthrene-d10	8.752	188	143054	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	102.31%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.354	88	1913M1	0.498	ug/ml	
34) n-Decane	4.208	57	5982	0.512	ug/ml#	39
87) Atrazine	8.540	200	3093	0.464	ug/ml	92
101) n-Octadecane	8.761	57	8380	0.488	ug/ml#	1
102) Parathion	9.563	109	1693	1.026	ug/ml	89
103) 3,3'-Dimethylbenzidine	10.840	212	2910	1.493	ug/ml#	62

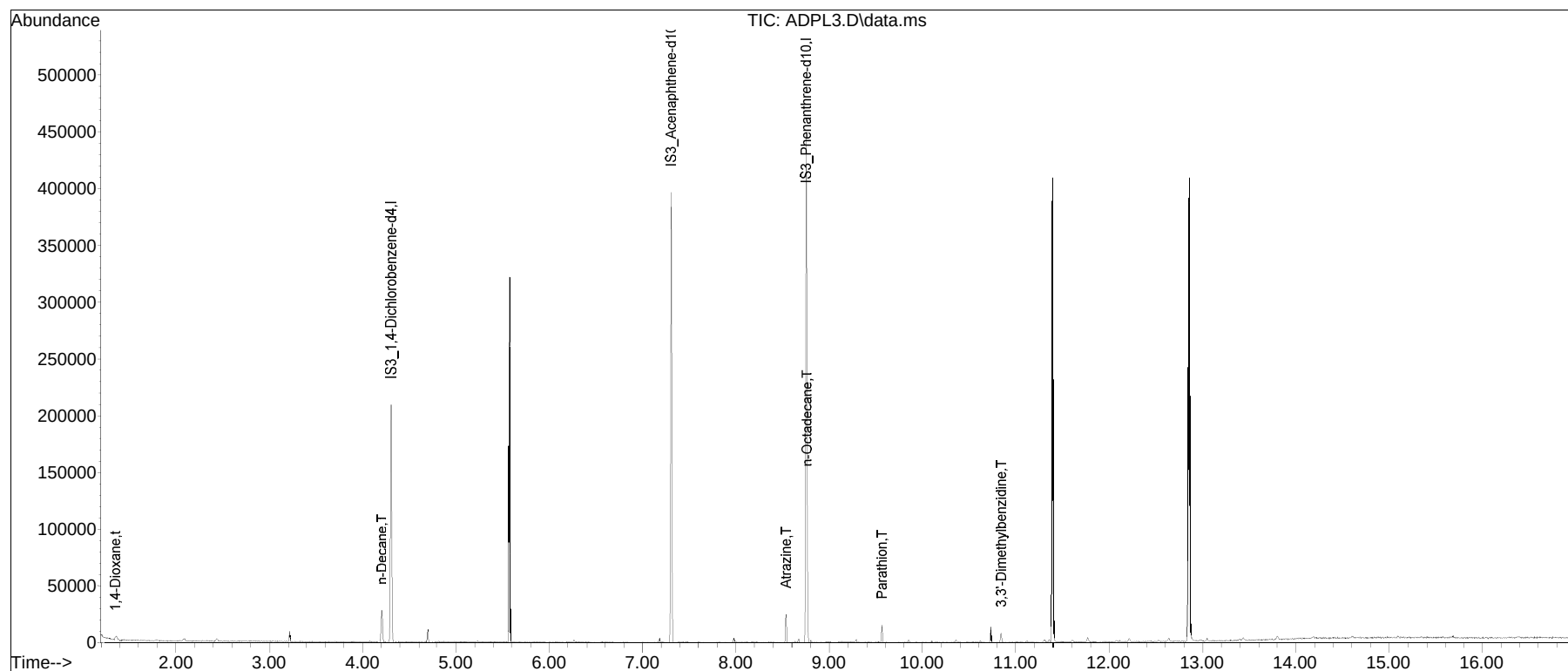
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL3.D
 Acq On : 28 Aug 2025 5:36 am
 Operator : SV106:smz
 Sample : IL8,32,,ADPL0.5 Lot# 11909
 Misc : WG2108428,,
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 28 11:00:50 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

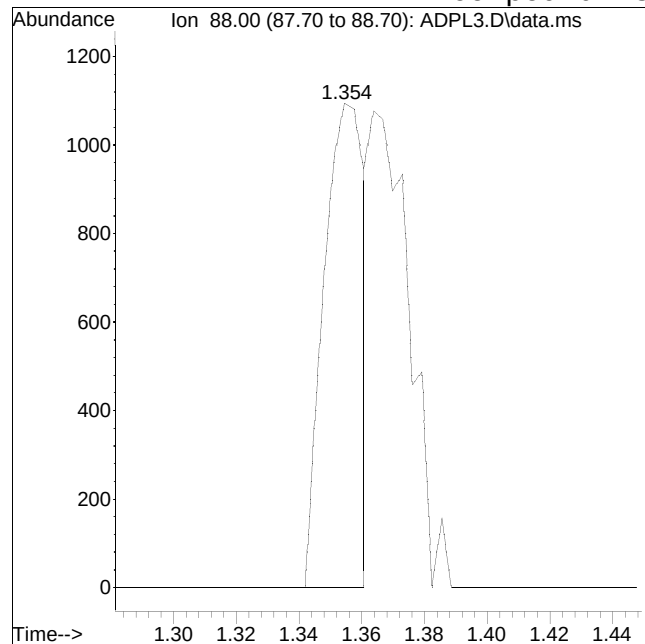
Sub List : ~~ADPICAL8270\SV106\250827ICAL\AP9L6.D~~•



Manual Integration Report

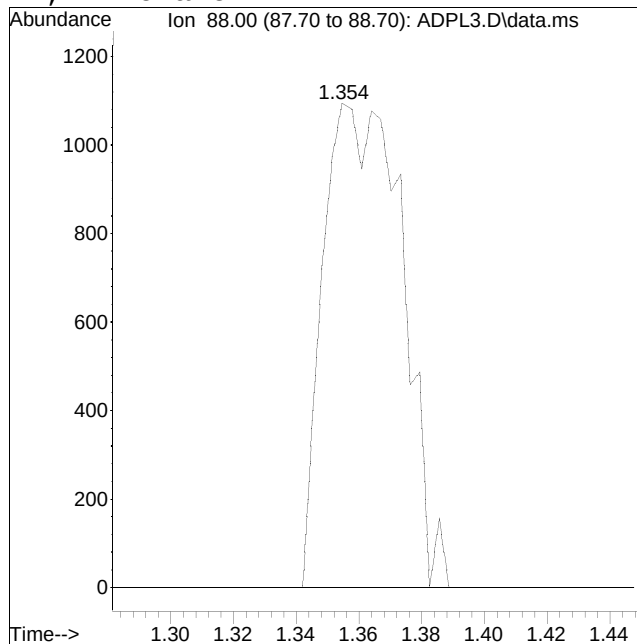
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL3.D Operator : SV106:smz
Date Inj'd : 8/28/2025 5:36 am Instrument : SV 106
Sample : IL8,32,,ADPL0.5 Lot# 11909 Quant Date : 8/28/2025 11:01 am

Compound #33: 1,4-Dioxane



Original Peak Response = 968

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 1913 M1

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL2.D
 Acq On : 28 Aug 2025 5:58 am
 Operator : SV106:smz
 Sample : IL9,32,,ADPL0.2 Lot# 11910
 Misc : WG2108428,,
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 28 11:00:39 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.301	152	32958	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	104.68%	
86) IS3_Acenaphthene-d10	7.304	164	74605	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	107.24%	
100) IS3_Phenanthrene-d10	8.752	188	147477	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	105.47%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.361	88	998	0.254	ug/ml#	82
34) n-Decane	4.208	57	2586	0.217	ug/ml#	41
87) Atrazine	8.541	200	1247	0.180	ug/ml#	69
101) n-Octadecane	8.761	57	3536	0.200	ug/ml#	1
102) Parathion	9.563	109	596	0.817	ug/ml#	68
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.		

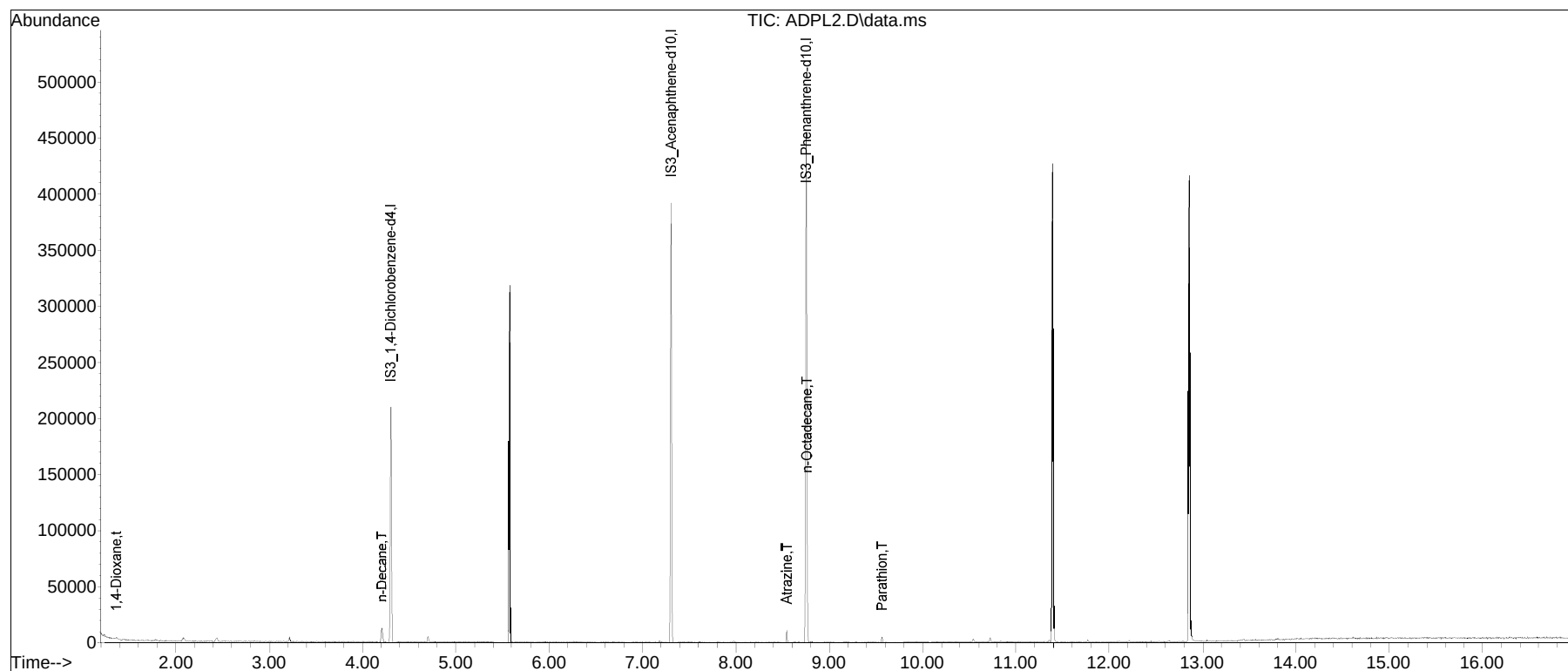
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL2.D
 Acq On : 28 Aug 2025 5:58 am
 Operator : SV106:smz
 Sample : IL9,32,,ADPL0.2 Lot# 11910
 Misc : WG2108428,,
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 28 11:00:39 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPL2.D\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL2.D Operator : SV106:smz
Date Inj'd : 8/28/2025 5:58 am Instrument : SV 106
Sample : IL9,32,,ADPL0.2 Lot# 11910Quant Date : 8/28/2025 11:00 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL1.D
 Acq On : 28 Aug 2025 6:19 am
 Operator : SV106:smz
 Sample : IL10,32,,ADPL0.1 Lot# 11911
 Misc : WG2108428,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 28 10:59:58 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	33445	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	106.23%	
86) IS3_Acenaphthene-d10	7.304	164	74969	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	107.76%	
100) IS3_Phenanthrene-d10	8.752	188	149354	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery	=	106.82%	

System Monitoring Compounds

Target Compounds					Qvalue
33) 1,4-Dioxane	0.000		0	N.D.	
34) n-Decane	4.208	57	1213	0.100 ug/ml#	38
87) Atrazine	8.541	200	579	0.083 ug/ml#	33
101) n-Octadecane	8.761	57	1682	0.094 ug/ml#	1
102) Parathion	0.000		0	N.D.	
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.	

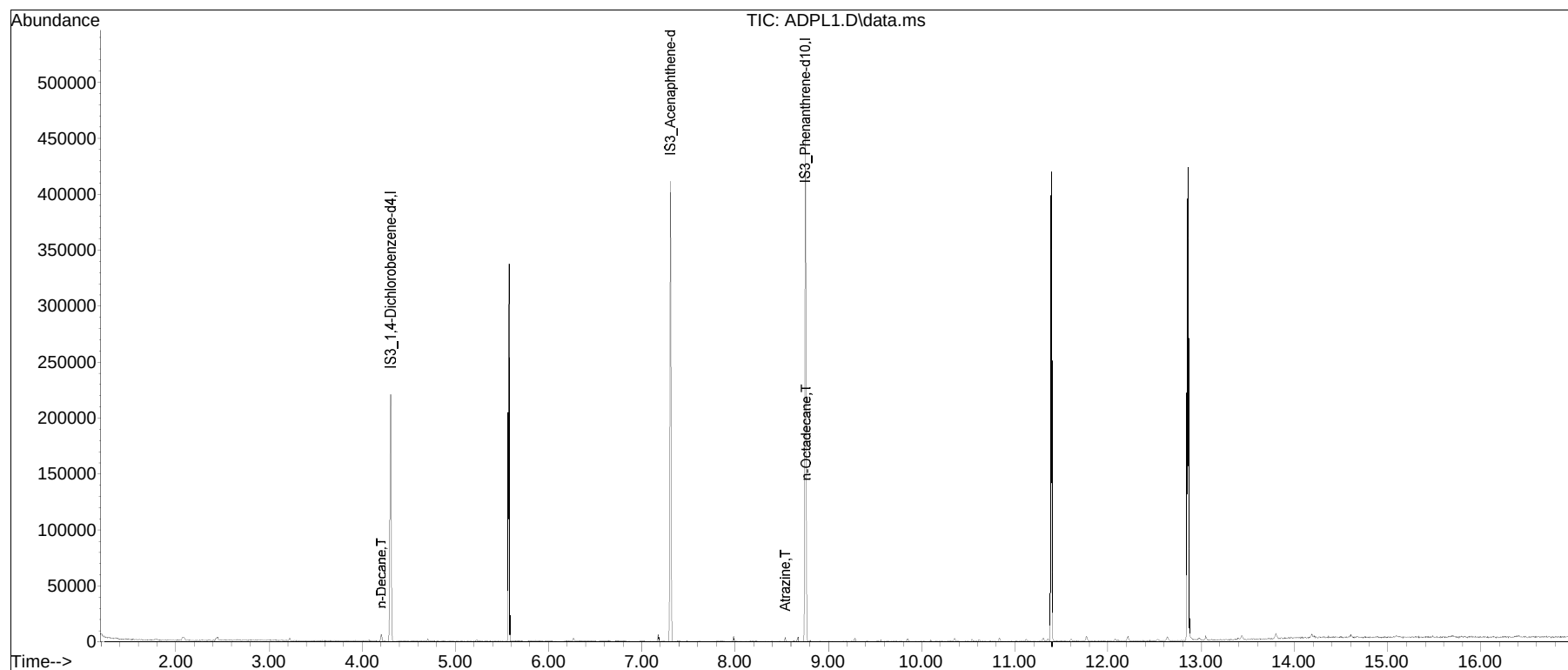
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL1.D
 Acq On : 28 Aug 2025 6:19 am
 Operator : SV106:smz
 Sample : IL10,32,,ADPL0.1 Lot# 11911
 Misc : WG2108428,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 28 10:59:58 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ~~ADPL1.D~~ I:\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL1.D Operator : SV106:smz
Date Inj'd : 8/28/2025 6:19 am Instrument : SV 106
Sample : IL10,32,,ADPL0.1 Lot# 11910 Quant Date : 8/28/2025 11:00 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9ICV.D
 Acq On : 28 Aug 2025 6:40 am
 Operator : SV106:smz
 Sample : CQICV2,32,,AP9ICV Lot# 11932
 Misc : WG2108428,,
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 10:55:46 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
28 T	Benzaldehyde	0.645	0.666	-3.3	98	0.00
29 T	Acetophenone	1.905	1.855	2.6	93	0.00
30 T	m-Toluidine	1.123	1.230	-9.5	95	0.00
31 T	2-Chloroaniline	1.724	1.729	-0.3	93	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	95	0.00
56 T	a-Terpineol	0.267	0.244	8.6	87	0.00
57 T	3-Chloroaniline	0.114	0.118	-3.5	91	0.00
58 T	2,6-Dichlorophenol	0.285	0.274	3.9	90	0.00
59 T	1-chloro-2-nitrobenzene	0.135	0.130	3.7	90	0.00
60 T	Caprolactam	0.142	0.137	3.5	88	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.373	0.358	4.0	93	0.00
62 T	Biphenyl	0.931	0.893	4.1	93	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	95	0.00
84 T	Dichloran	0.158	0.147	7.0	87	0.00
85 T	Pentachloronitrobenzene	0.154	0.152	1.3	88	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	95	0.00
99 T	Diphenamid	0.487	0.493	-1.2	92	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9ICV.D
 Acq On : 28 Aug 2025 6:40 am
 Operator : SV106:smz
 Sample : CQICV2,32,,AP9ICV Lot# 11932
 Misc : WG2108428,,
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 10:55:46 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	29013	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	93.74%		
55) IS2_Naphthalene-d8	5.572	136	115892	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	94.67%		
83) IS2_Acenaphthene-d10	7.304	164	67184	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	95.03%		
98) IS2_Phenanthrene-d10	8.752	188	135766	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	95.38%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.854	105	24138	5.160	ug/ml	91
29) Acetophenone	4.724	105	67278	4.869	ug/ml#	81
30) m-Toluidine	4.811	106	44605	5.478	ug/ml	96
31) 2-Chloroaniline	5.175	127	62713	5.016	ug/ml#	90
56) a-Terpineol	5.644	59	35384	4.573	ug/ml#	79
57) 3-Chloroaniline	5.653	65	17114	5.162	ug/ml	87
58) 2,6-Dichlorophenol	5.678	162	39717	4.807	ug/ml#	84
59) 1-chloro-2-nitrobenzene	5.936	111	18837	4.825	ug/ml#	1
60) Caprolactam	5.976	55	19888	4.842	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	6.458	216	51803	4.792	ug/ml	97
62) Biphenyl	6.760	154	129304	4.794	ug/ml	98
84) Dichloran	8.454	206	12363	4.648	ug/ml#	70
85) Pentachloronitrobenzene	8.600	237	12733	4.911	ug/ml#	85
99) Diphenamid	9.688	167	83713	5.067	ug/ml#	80

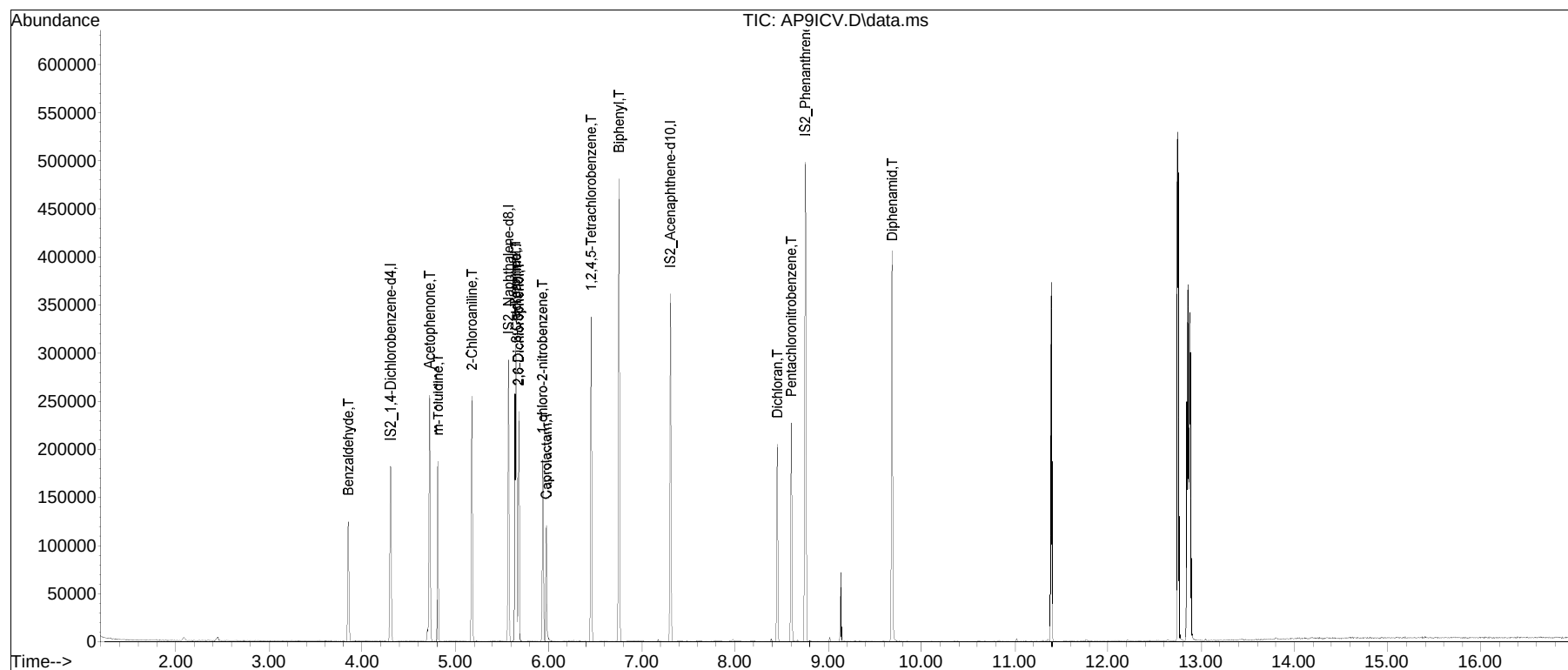
(#) = qualifier out of range (m) = manual integration (+) = signals summed

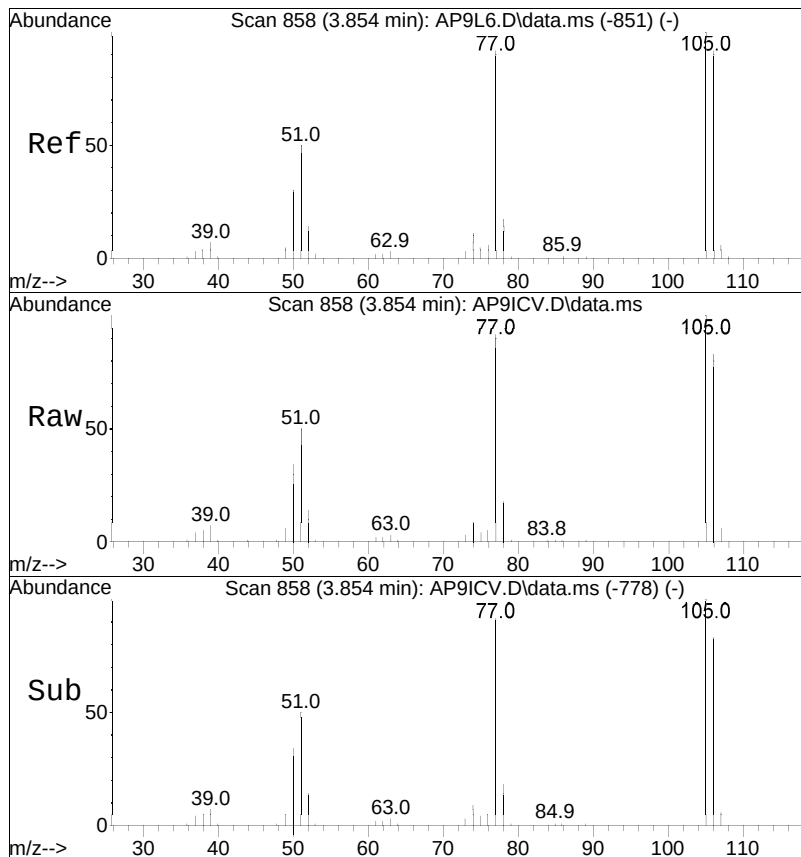
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9ICV.D
 Acq On : 28 Aug 2025 6:40 am
 Operator : SV106:smz
 Sample : CQICV2,32,,AP9ICV Lot# 11932
 Misc : WG2108428,,
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 10:55:46 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

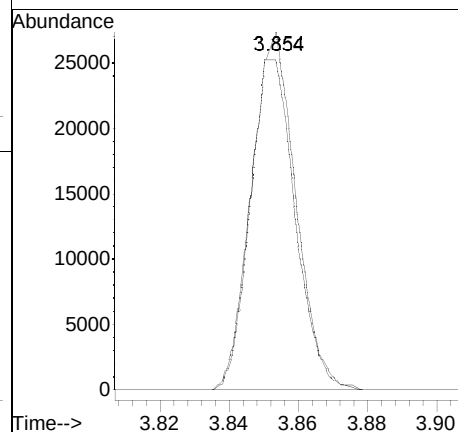
Sub List : ~~AP9ICV.D~~ I:\8270\SV106\250827ICAL\AP9L6.D•

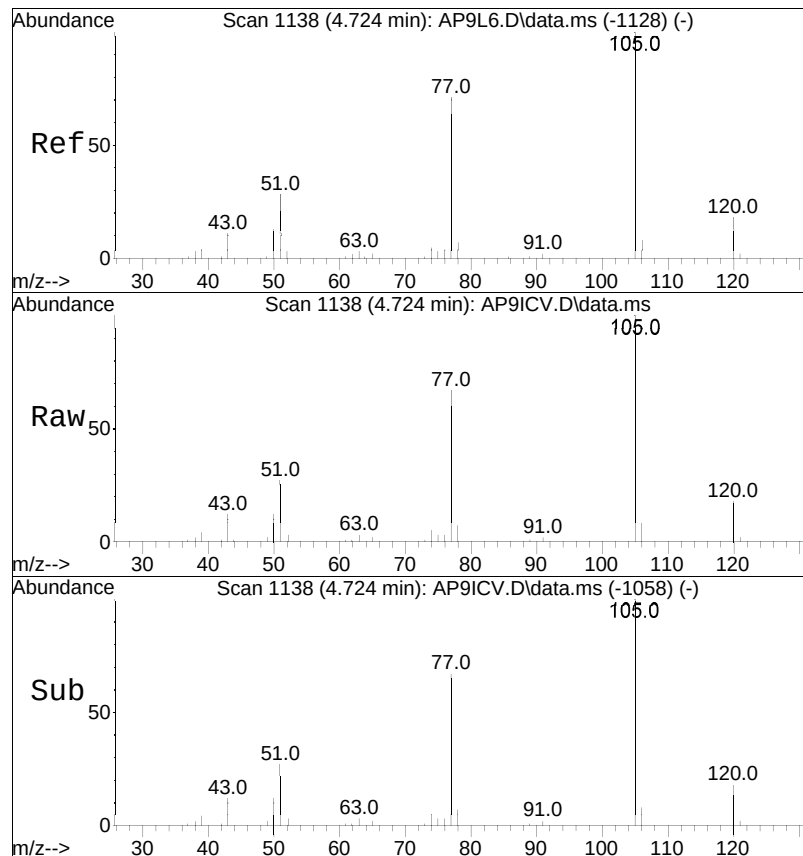




#28
 Benzaldehyde
 Concen: 5.16 ug/ml
 RT: 3.854 min Scan# 858
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

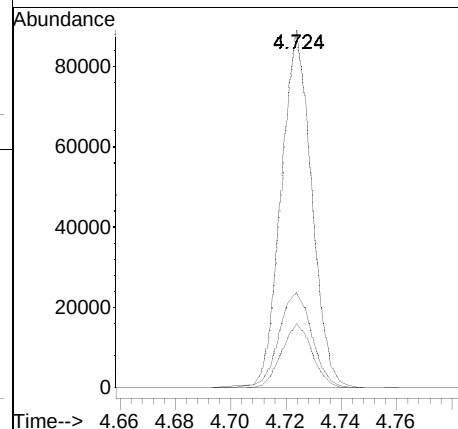
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	24138		
77	93.4	82.2	123.4	

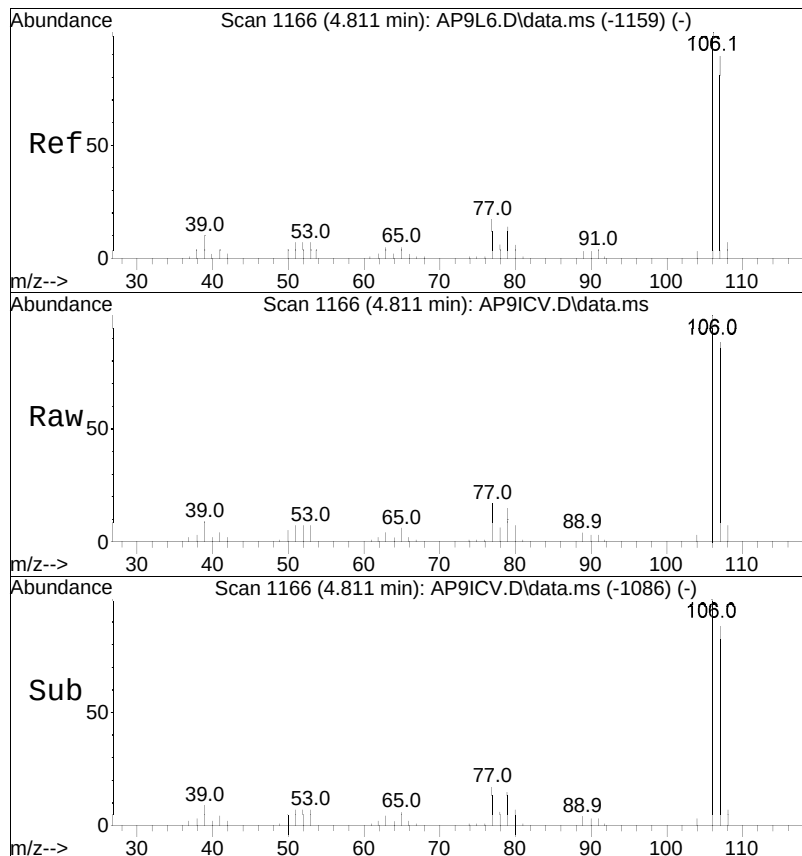




#29
 Acetophenone
 Concen: 4.87 ug/ml
 RT: 4.724 min Scan# 1138
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

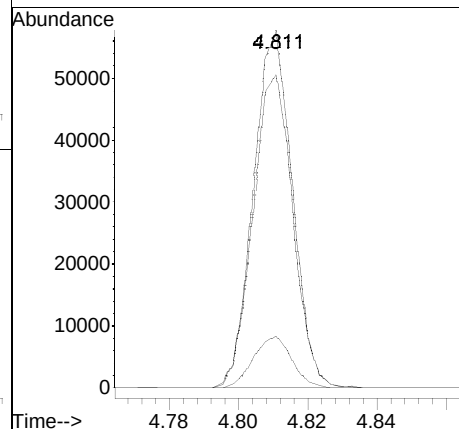
Tgt Ion	Ratio	Lower	Upper
105	100		
120	18.1	20.5	30.7#
51	29.6	34.9	52.3#

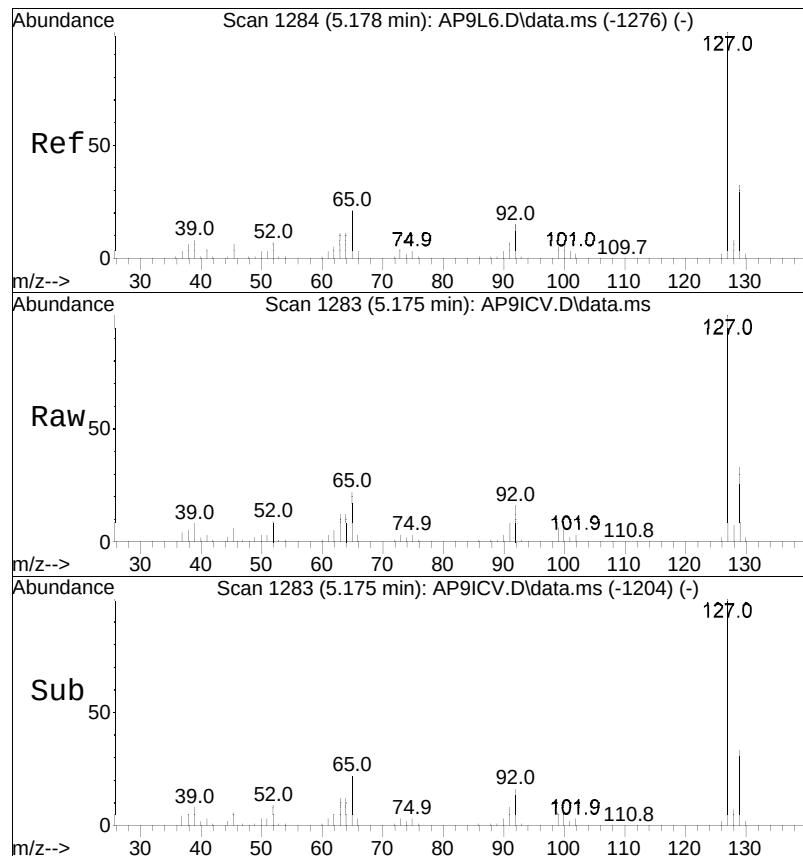




#30
 m-Toluidine
 Concen: 5.48 ug/ml
 RT: 4.811 min Scan# 1166
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

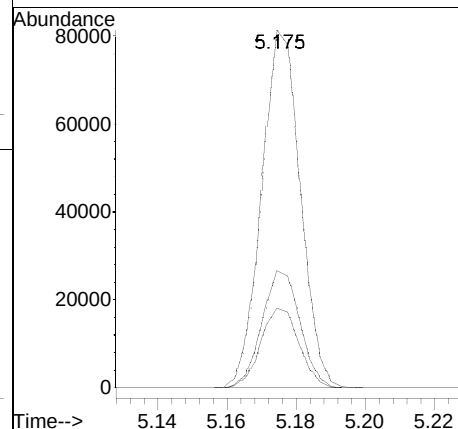
Tgt Ion	Ratio	Lower	Upper
106	100		
107	90.0	75.7	113.5
79	14.3	11.8	17.8

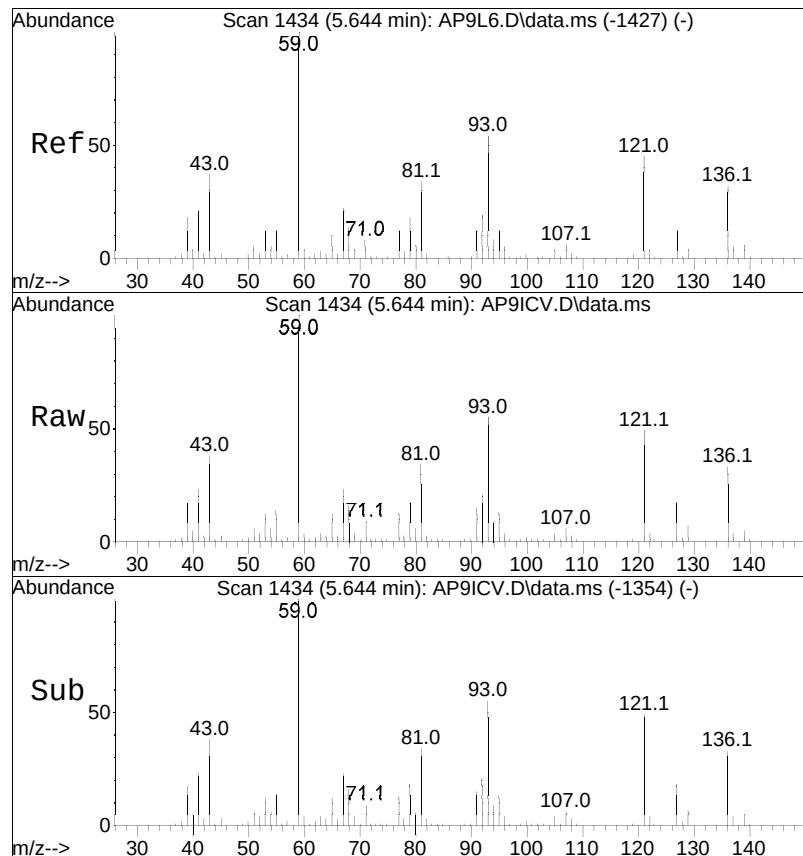




#31
 2-Chloroaniline
 Concen: 5.02 ug/ml
 RT: 5.175 min Scan# 1283
 Delta R.T. -0.003 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

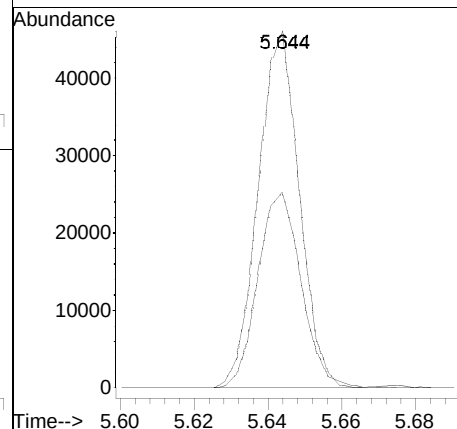
Tgt Ion:	127	Resp:	62713
Ion Ratio	Lower	Upper	
127	100		
129	32.3	25.9	38.9
65	22.2	26.3	39.5#

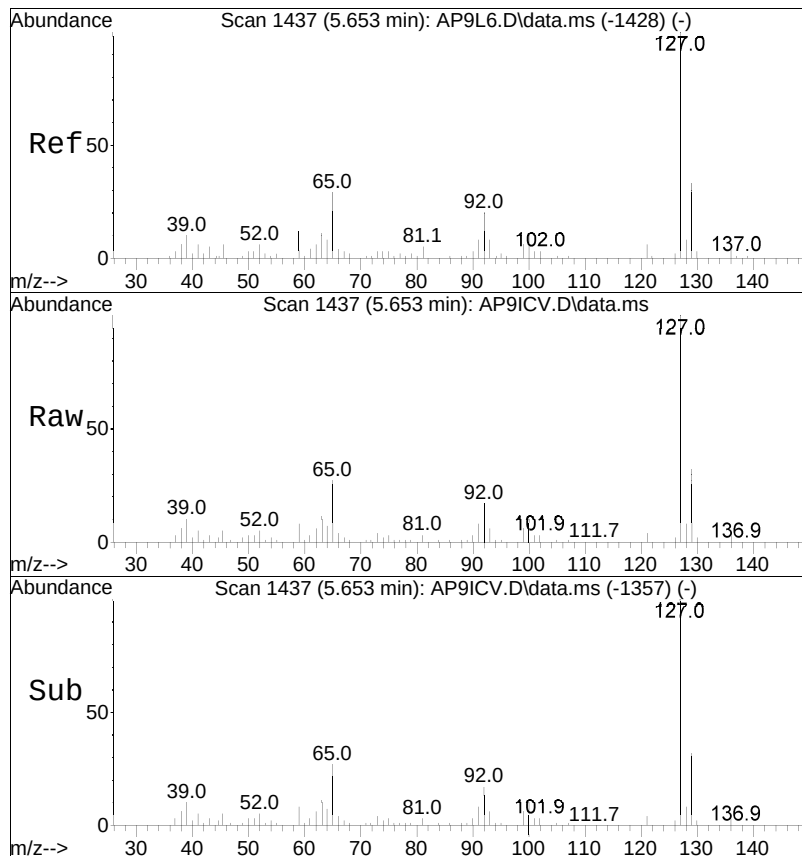




#56
a-Terpineol
Concen: 4.57 ug/ml
RT: 5.644 min Scan# 1434
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

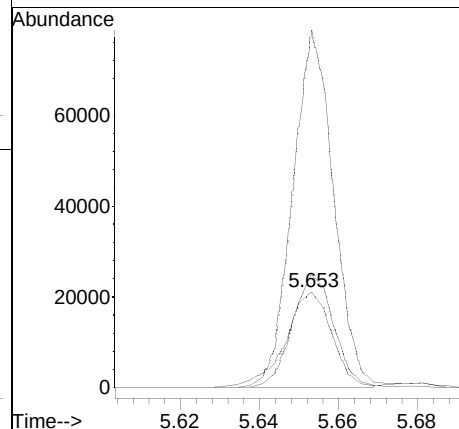
Tgt Ion	Ratio	Lower	Upper
59	100		
93	58.0	35.6	53.4#

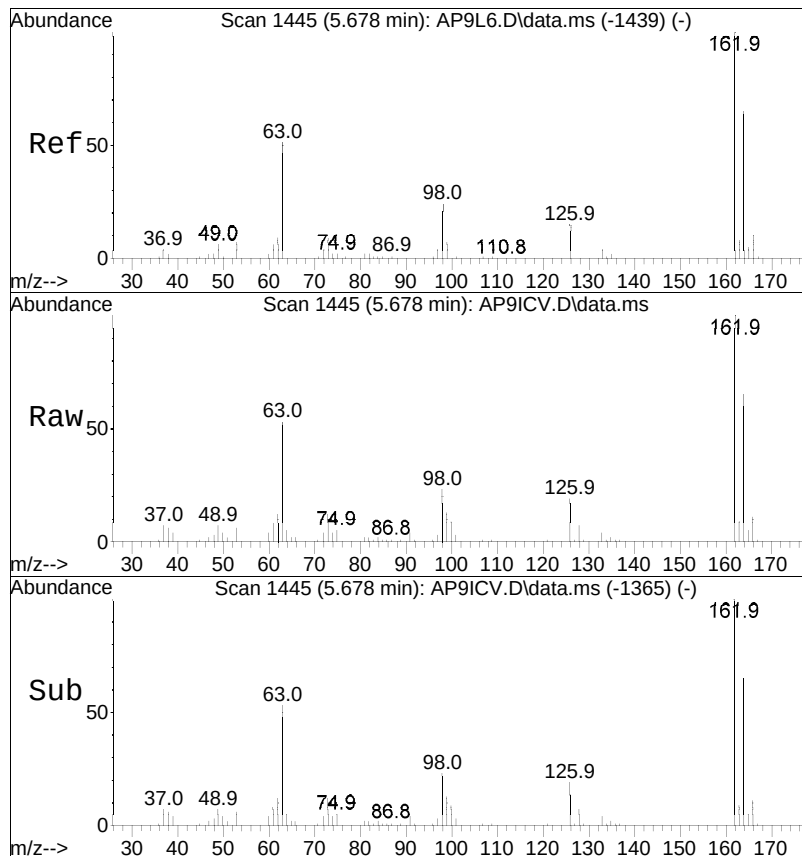




#57
 3-Chloroaniline
 Concen: 5.16 ug/ml
 RT: 5.653 min Scan# 1437
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

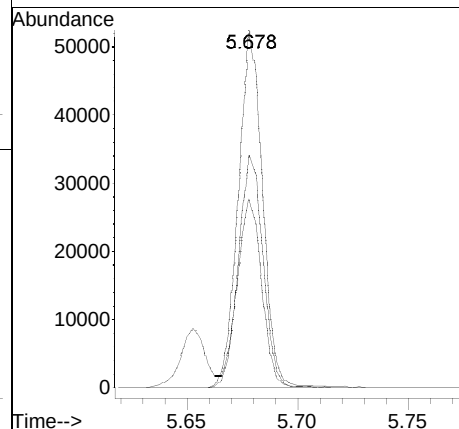
Tgt Ion	Ratio	Lower	Upper
65	100		
127	331.5	243.2	364.8
129	106.8	78.8	118.2

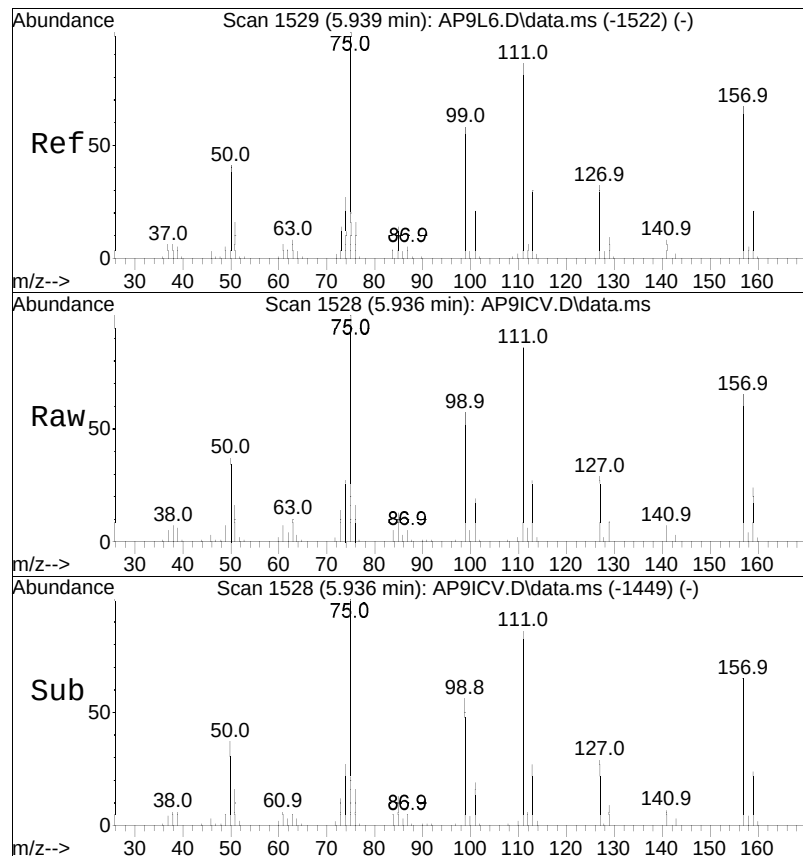




#58
 2,6-Dichlorophenol
 Concen: 4.81 ug/ml
 RT: 5.678 min Scan# 1445
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

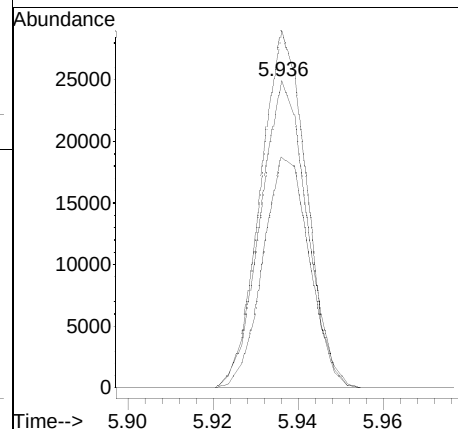
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	39717		
164	65.6		51.1	76.7
63	53.0		60.8	91.2#

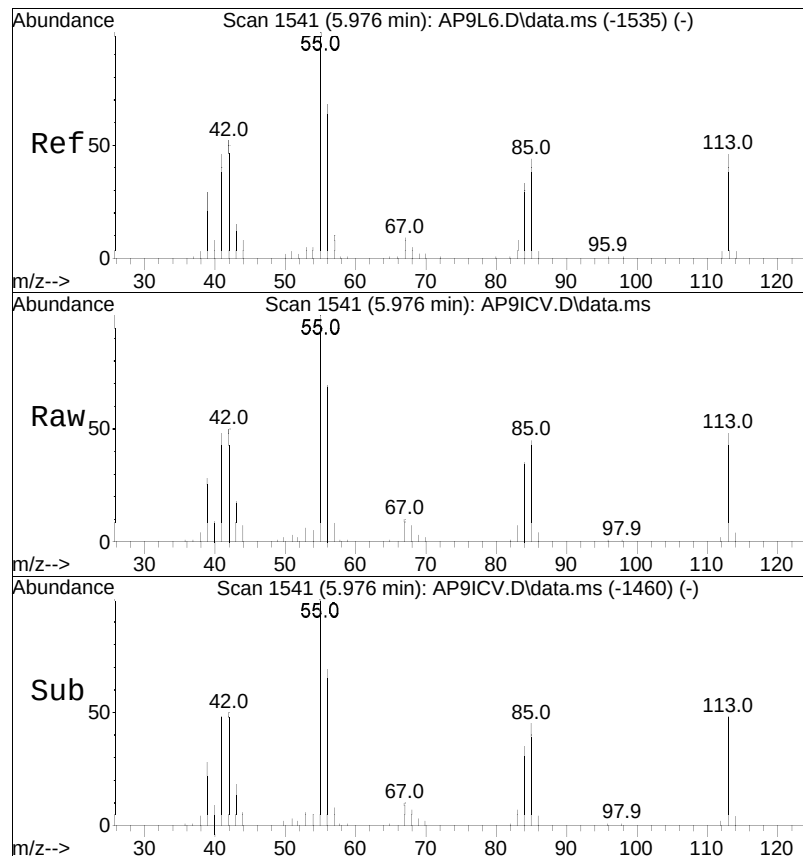




#59
 1-chloro-2-nitrobenzene
 Concen: 4.83 ug/ml
 RT: 5.936 min Scan# 1528
 Delta R.T. -0.003 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

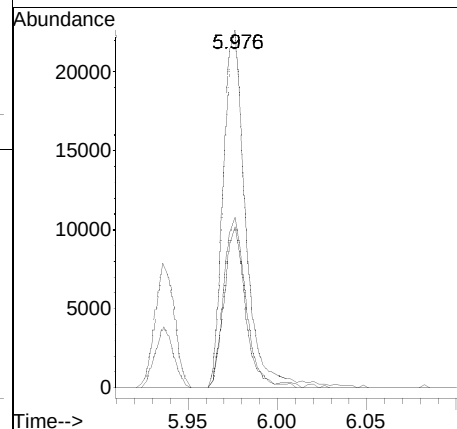
Tgt Ion:	111	Resp:	18837
Ion Ratio	Lower	Upper	
111	100		
157	75.2	0.0	0.0#
75	114.6	28.2	42.2#

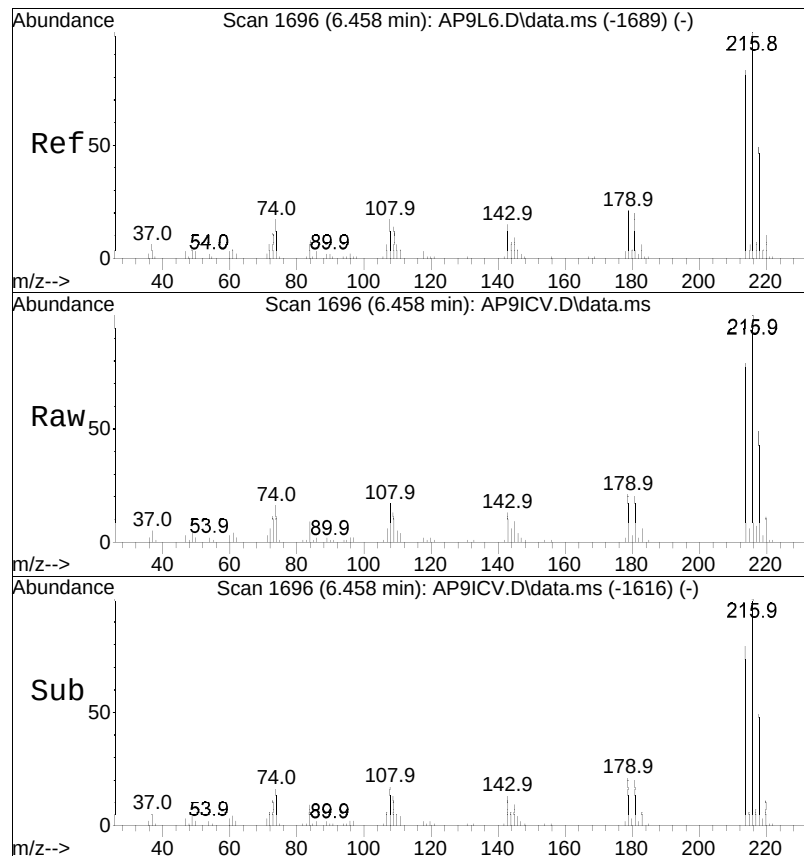




#60
 Caprolactam
 Concen: 4.84 ug/ml
 RT: 5.976 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

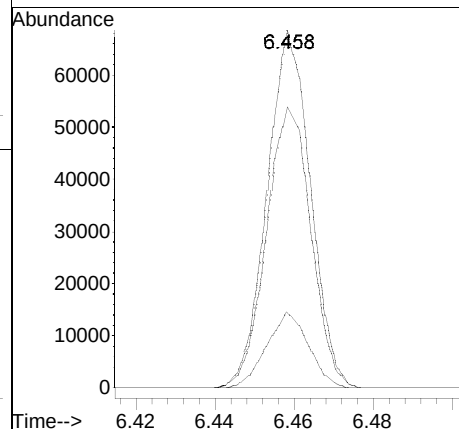
Tgt Ion	Ratio	Lower	Upper
55	100		
85	43.0	19.8	29.6#
113	46.6	29.6	44.4#

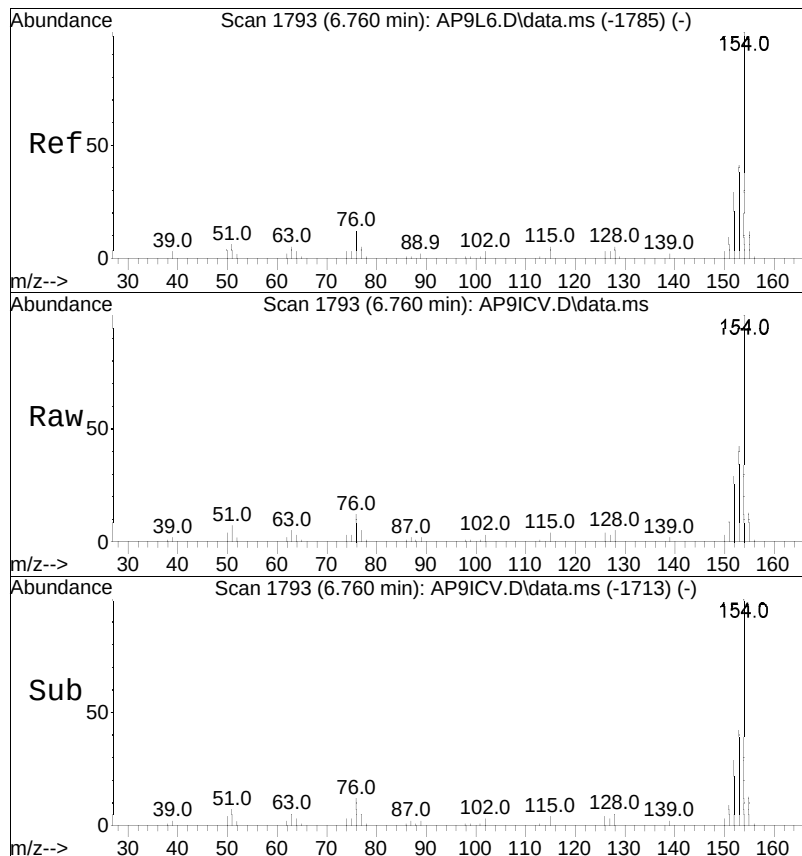




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.79 ug/ml
 RT: 6.458 min Scan# 1696
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

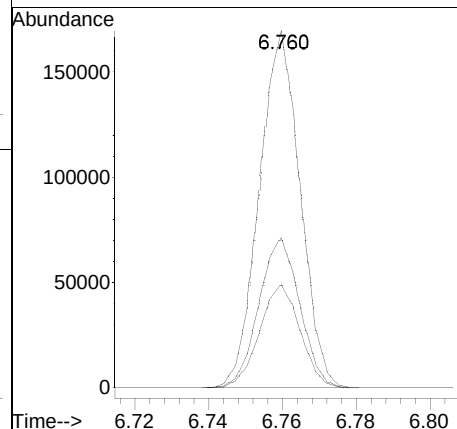
Tgt	Ion	Ratio	Resp	Lower	Upper
216	100		51803		
214	80.7	63.7		95.5	
179	20.6	19.0		28.6	

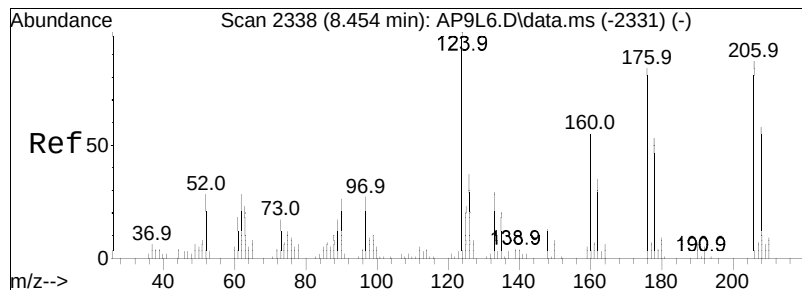




#62
 Biphenyl
 Concen: 4.79 ug/ml
 RT: 6.760 min Scan# 1793
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

Tgt	Ion:154	Resp:	129304
Ion	Ratio	Lower	Upper
154	100		
153	42.2	32.3	48.5
152	28.9	22.5	33.7





#84

Dichloran

Concen: 4.65 ug/ml

RT: 8.454 min Scan# 2338

Delta R.T. -0.000 min

Lab File: AP9ICV.D

Acq: 28 Aug 2025 6:40 am

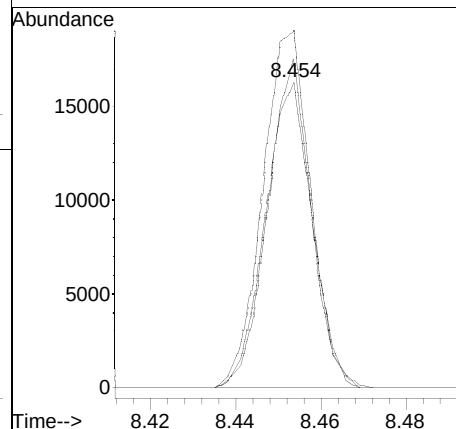
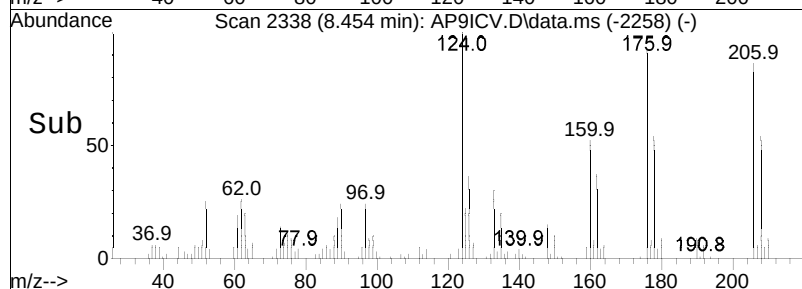
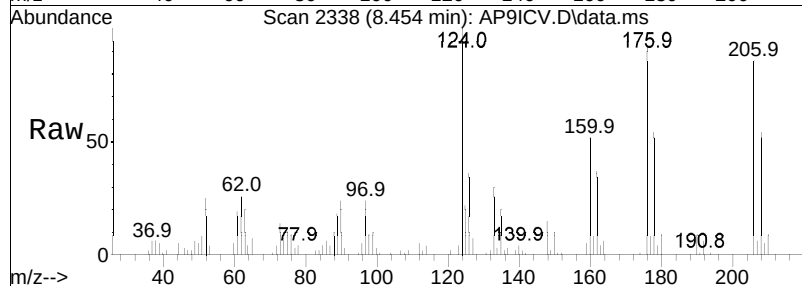
Tgt Ion: 206 Resp: 12363

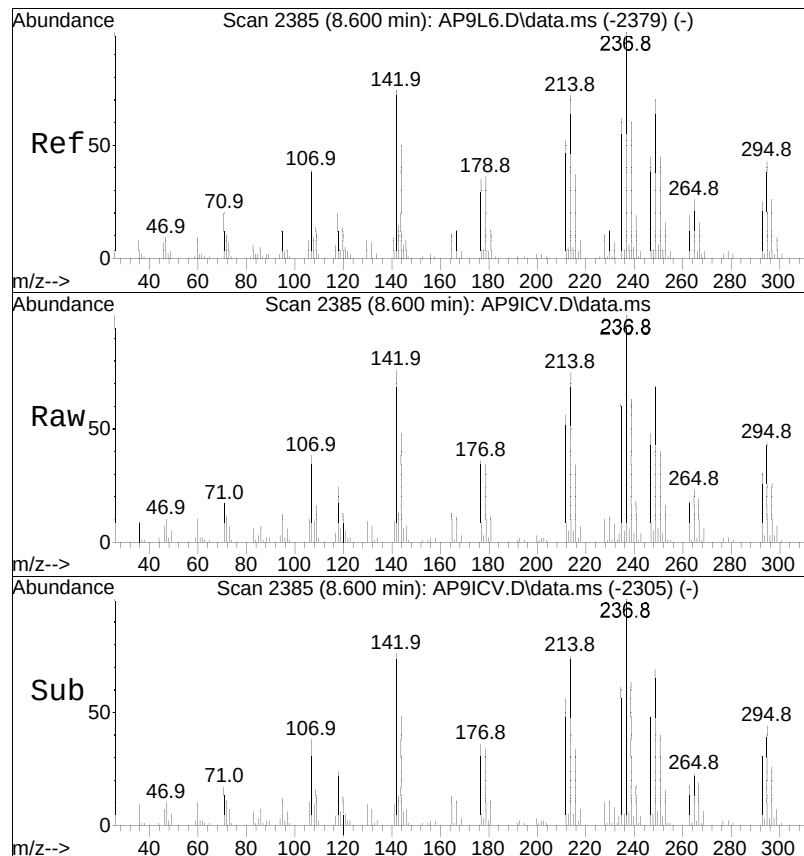
Ion Ratio Lower Upper

206 100

176 100.1 104.6 157.0#

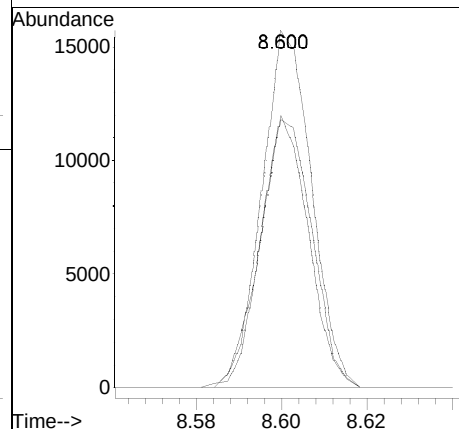
124 120.0 130.5 195.7#

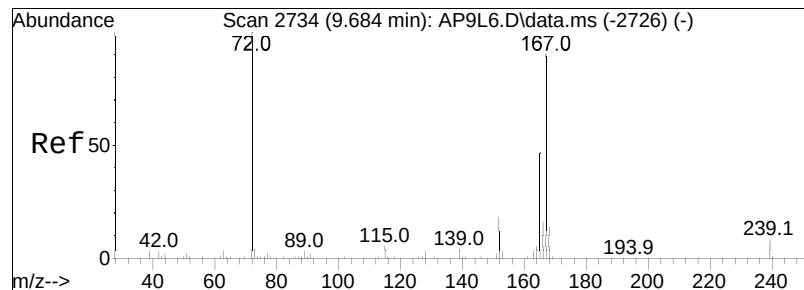




#85
 Pentachloronitrobenzene
 Concen: 4.91 ug/ml
 RT: 8.600 min Scan# 2385
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

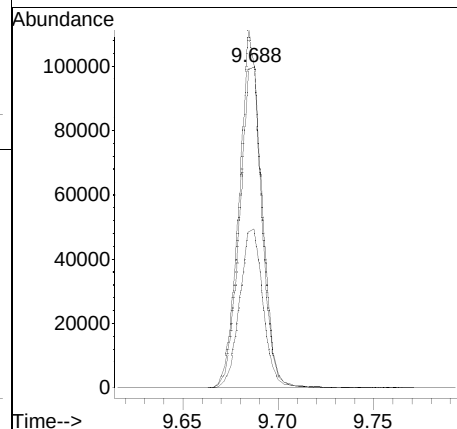
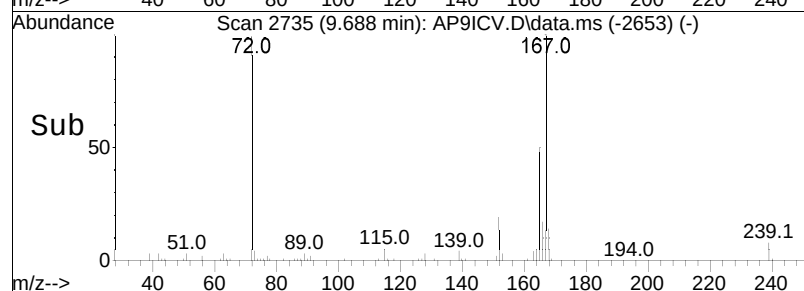
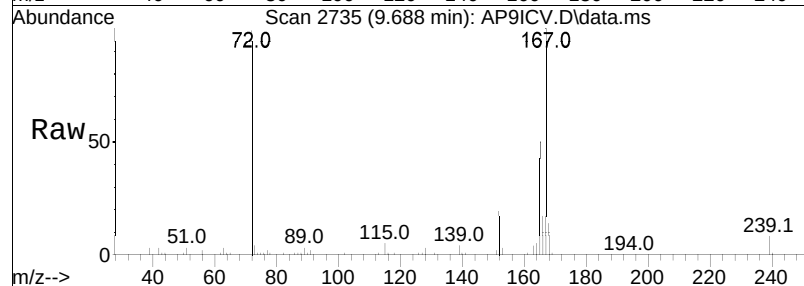
Tgt Ion	Ratio	Lower	Upper
237	100		
142	74.6	77.0	115.4#
214	77.3	58.2	87.4





#99
Diphenamid
Concen: 5.07 ug/ml
RT: 9.688 min Scan# 2735
Delta R.T. 0.004 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion	Ratio	Lower	Upper
167	100		
72	104.4	109.7	164.5#
165	50.2	41.8	62.6



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9ICV.D Operator : SV106:smz
Date Inj'd : 8/28/2025 6:40 am Instrument : SV 106
Sample : CQICV2,32,,AP9ICV Lot# 11900 Quant Date : 8/28/2025 10:56 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPICV.D
 Acq On : 28 Aug 2025 7:02 am
 Operator : SV106:smz
 Sample : CQICV,32,,ADPICV Lot# 11914
 Misc : WG2108428,,
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 28 07:26:41 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 07:27:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
33 t	1,4-Dioxane	0.477	0.400	16.1	89	0.00
34 T	n-Decane	1.449	1.195	17.5	84	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	101	0.00
87 T	Atrazine	0.372	0.324	12.9	87	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	102	0.00
101 T	n-Octadecane	0.480	0.408	15.0	85	0.00
102 T	Parathion	* 5.000	3.504	29.9#	79	0.00
103 T	3,3'-Dimethylbenzidine	* 5.000	3.910	21.8#	77	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPICV.D
 Acq On : 28 Aug 2025 7:02 am
 Operator : SV106:smz
 Sample : CQICV,32,,ADPICV Lot# 11914
 Misc : WG2108428,,
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 28 07:26:41 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 07:27:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31602	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	100.37%	
86) IS3_Acenaphthene-d10	7.303	164	70365	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	101.14%	
100) IS3_Phenanthrene-d10	8.752	188	142062	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery	=	101.60%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.361	88	15794	4.193	ug/ml#	78
34) n-Decane	4.208	57	47211	4.123	ug/ml#	39
87) Atrazine	8.544	200	28529	4.360	ug/ml	92
101) n-Octadecane	8.761	57	72478	4.253	ug/ml#	1
102) Parathion	9.566	109	14819	3.504	ug/ml	98
103) 3,3'-Dimethylbenzidine	10.844	212	86540	3.910	ug/ml	98

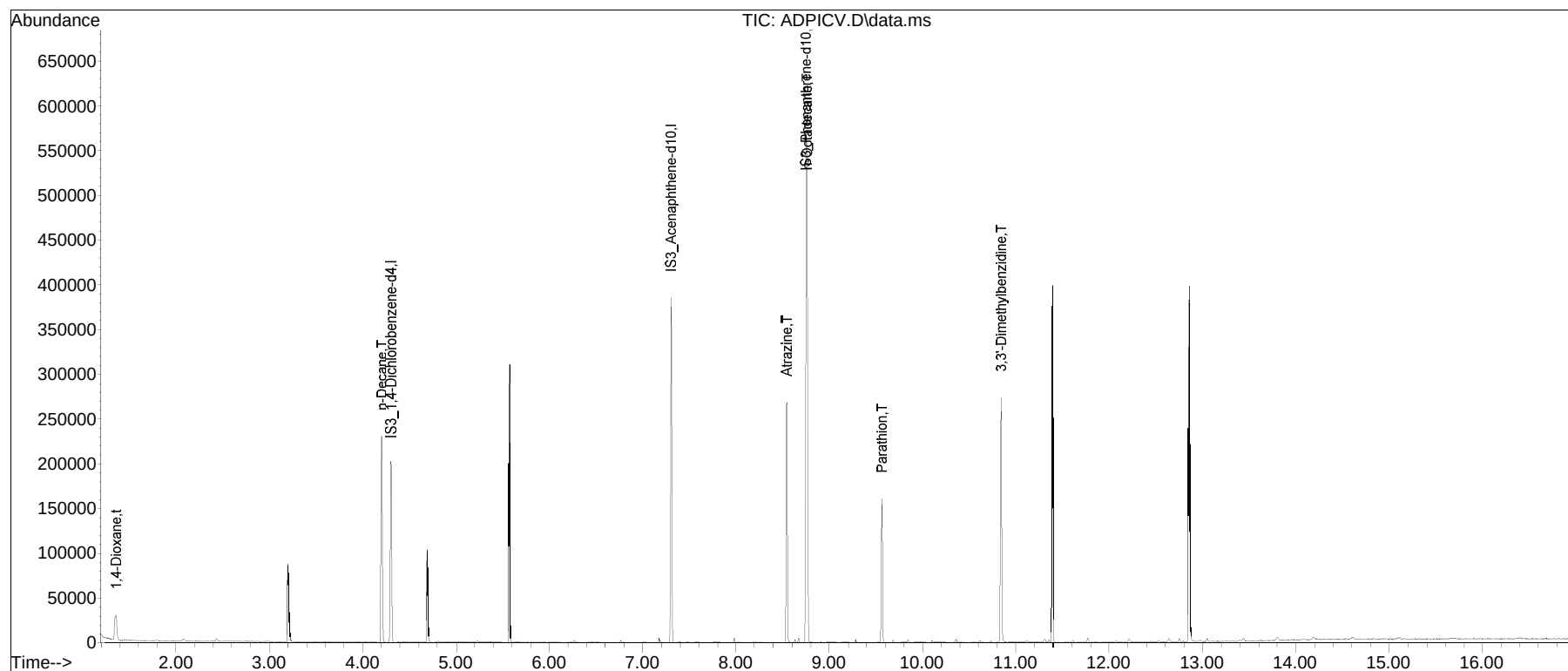
(#) = qualifier out of range (m) = manual integration (+) = signals summed

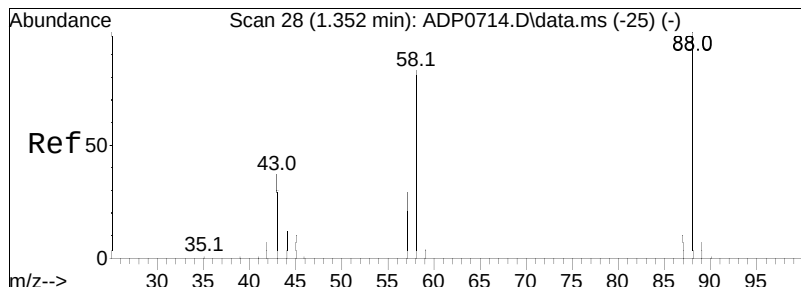
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPICV.D
 Acq On : 28 Aug 2025 7:02 am
 Operator : SV106:smz
 Sample : CQICV,32,,ADPICV Lot# 11914
 Misc : WG2108428,,
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 28 07:26:41 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 07:27:17 2025
 Response via : Initial Calibration

Sub List : ADPICV,32,,SV106\250827ICAL\AP9L6.D•





#33

1,4-Dioxane

Concen: 4.19 ug/ml

RT: 1.361 min Scan# 56

Delta R.T. 0.006 min

Lab File: ADPICV.D

Acq: 28 Aug 2025 7:02 am

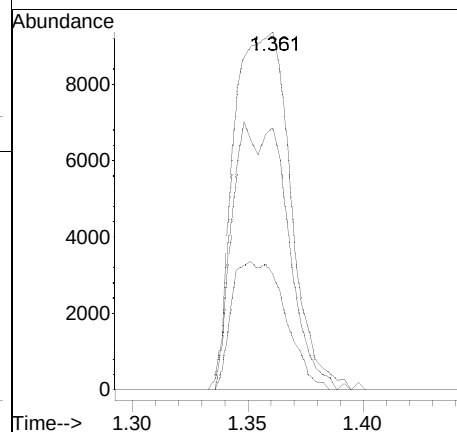
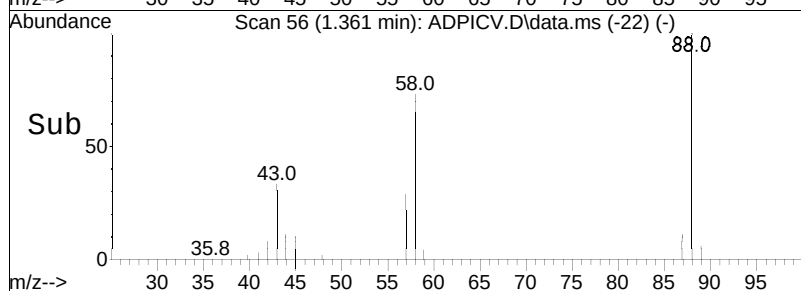
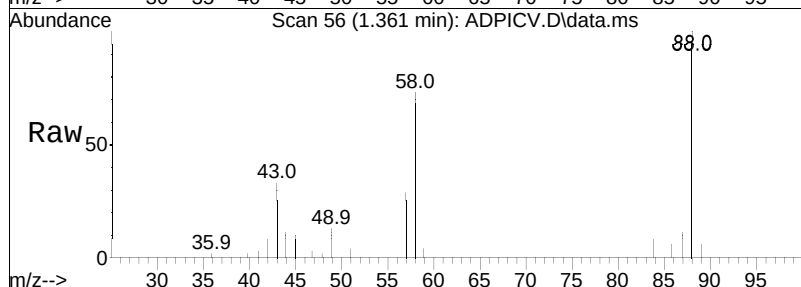
Tgt Ion: 88 Resp: 15794

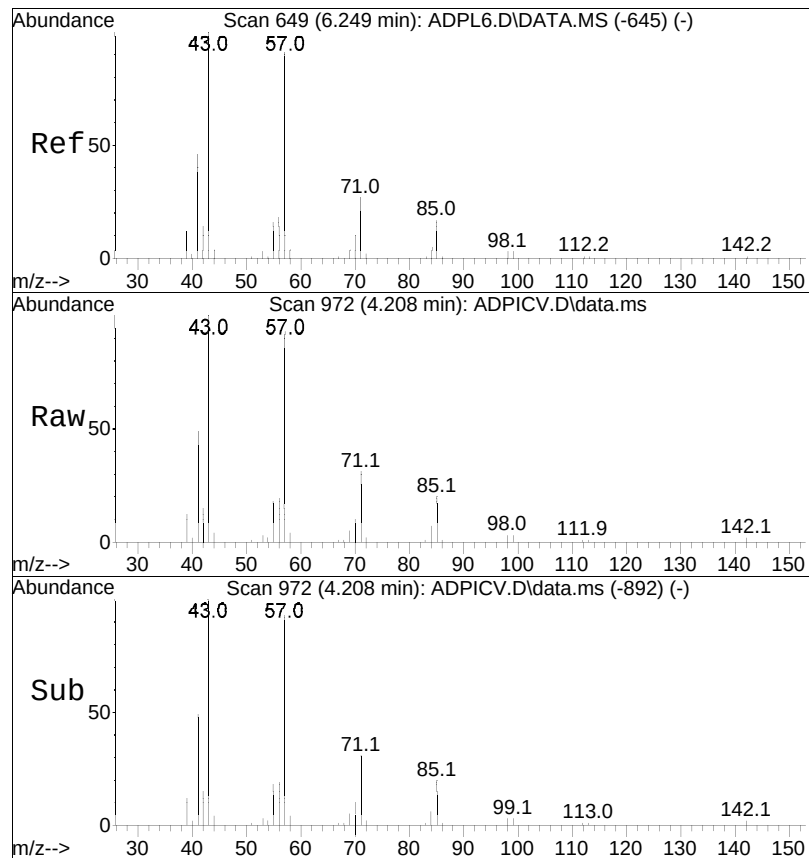
Ion Ratio Lower Upper

88 100

58 35.8 44.8 67.2#

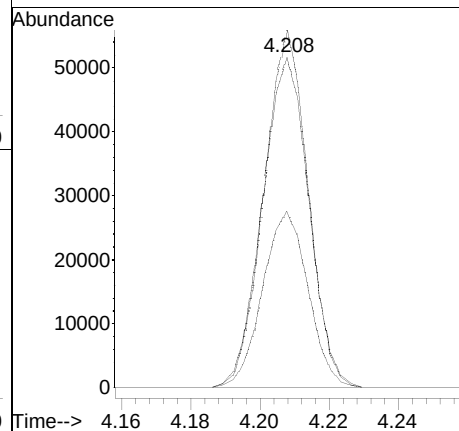
43 34.1 22.4 33.6#

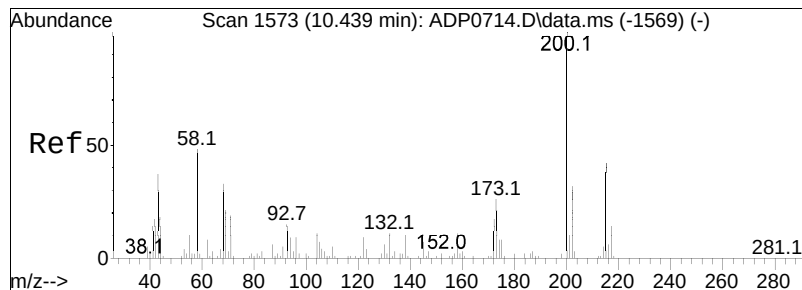




#34
 n-Decane
 Concen: 4.12 ug/ml
 RT: 4.208 min Scan# 972
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

Tgt Ion:	57	Resp:	47211
Ion Ratio	Lower	Upper	
57	100		
43	104.6	0.2	0.2#
41	52.9	0.2	0.2#





#87

Atrazine

Concen: 4.36 ug/ml

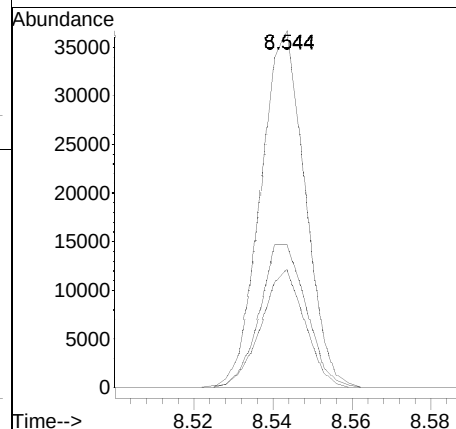
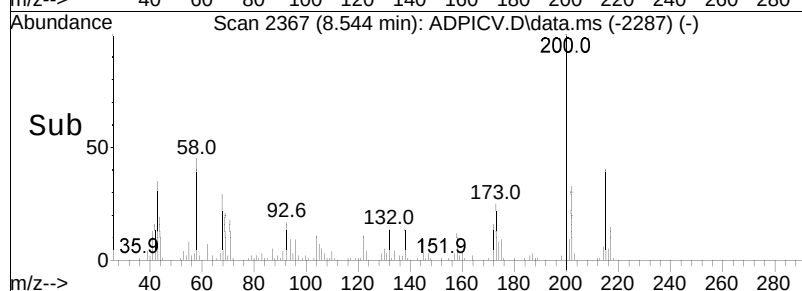
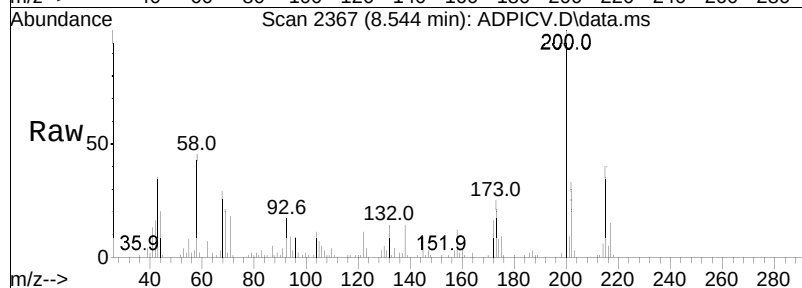
RT: 8.544 min Scan# 2367

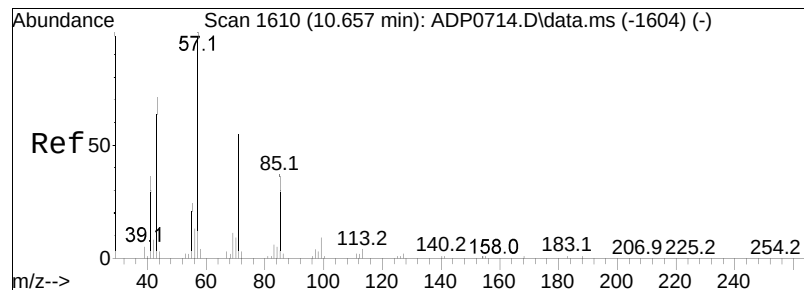
Delta R.T. -0.000 min

Lab File: ADPICV.D

Acq: 28 Aug 2025 7:02 am

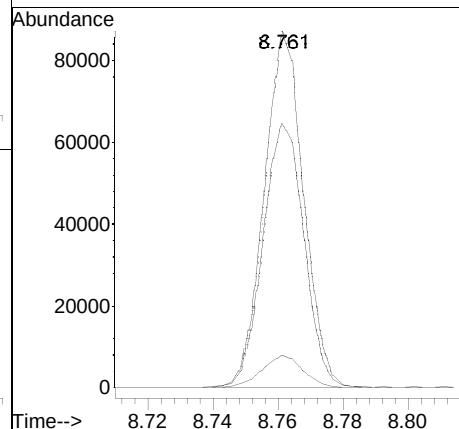
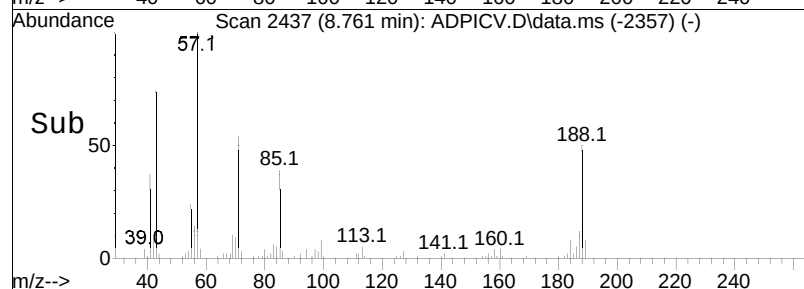
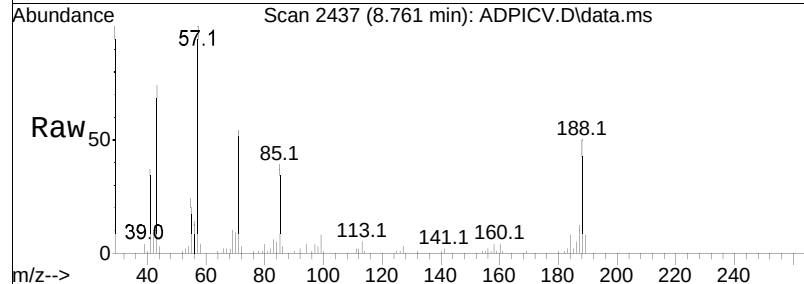
Tgt Ion	Ratio	Lower	Upper
200	100		
202	32.7	25.8	38.6
215	42.1	40.2	60.4

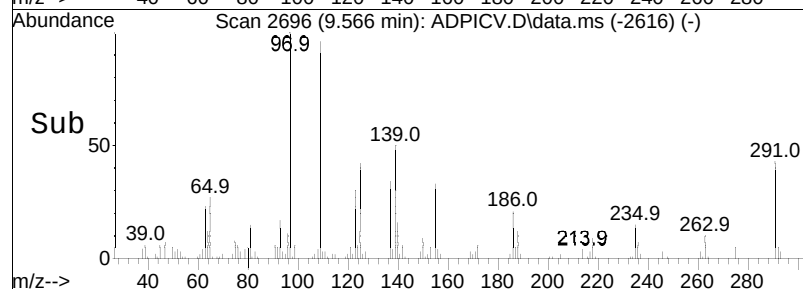
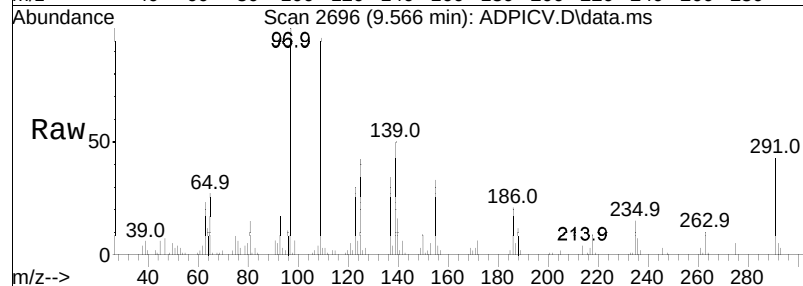
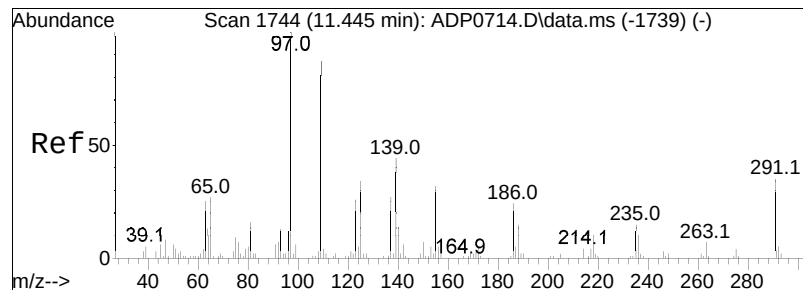




#101
 n-Octadecane
 Concen: 4.25 ug/ml
 RT: 8.761 min Scan# 2437
 Delta R.T. 0.000 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

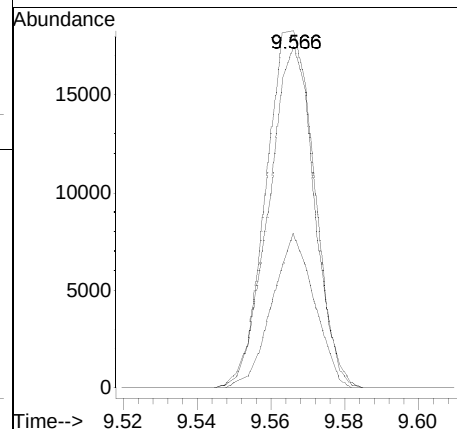
Tgt Ion:	57	Resp:	72478
Ion Ratio	Lower	Upper	
57	100		
43	77.3	9.0	13.6#
70	9.4	0.2	0.2#

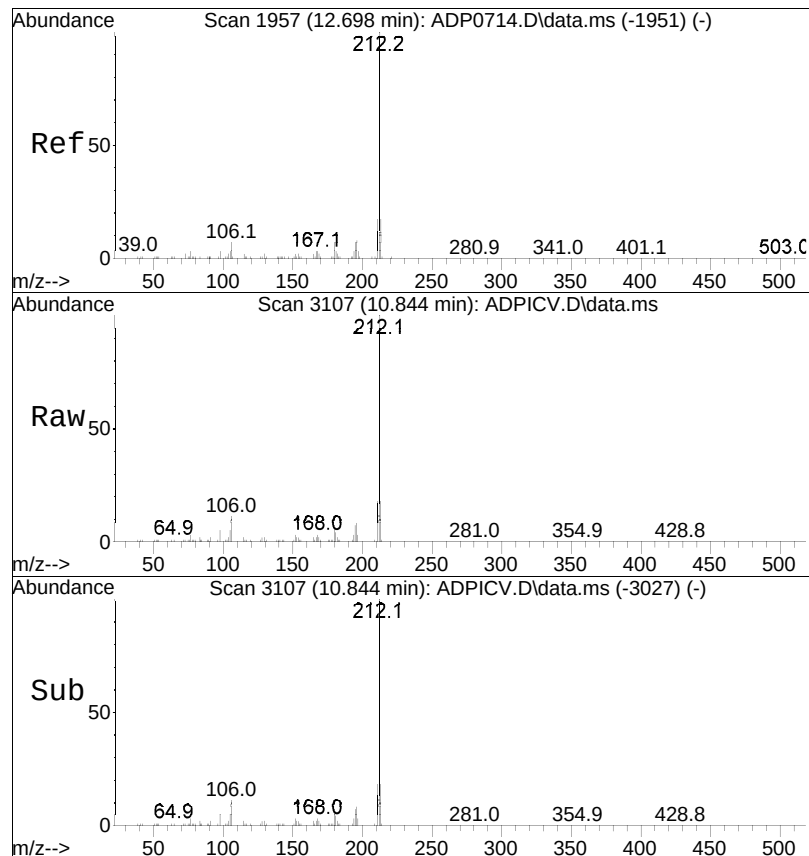




#102
 Parathion
 Concen: 3.50 ug/ml
 RT: 9.566 min Scan# 2696
 Delta R.T. 0.000 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

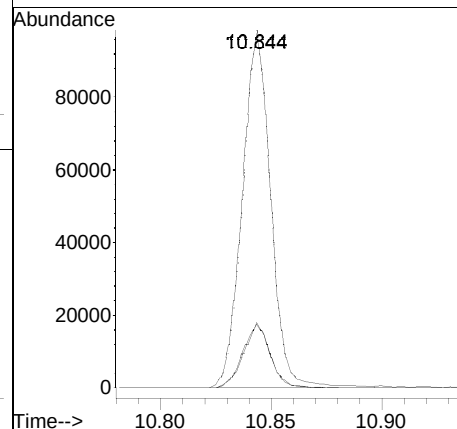
Tgt Ion:	109	Resp:	14819
Ion Ratio	Lower	Upper	
109	100		
97	111.3	87.4	131.2
291	42.4	34.2	51.2





#103
 3,3'-Dimethylbenzidine
 Concen: 3.91 ug/ml
 RT: 10.844 min Scan# 3107
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

Tgt Ion	Ratio	Resp	Lower	Upper
212	100	86540		
211	17.0		12.9	19.3
213	17.3		13.2	19.8



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPICV.D Operator : SV106:smz
Date Inj'd : 8/28/2025 7:02 am Instrument : SV 106
Sample : CQICV,32,,ADPICV Lot# 11910 Quant Date : 8/28/2025 7:27 am

There are no manual integrations or false positives in this file.

Method Path : I:\8270\SV106\250827ICAL\
 Method File : FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 28 09:56:36 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37 T	Benzoic Acid	L	ug/ml	5.0	4.355	-12.9	1.00	1.227	22.7
102 T	Parathion	L	ug/ml	5.0	4.309	-13.8	1.00	1.314	31.4
103 T	3,3'-Dimethylbenzidine	L	ug/ml	5.0	4.718	-5.6	2.50	2.761	10.4

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37 T	Benzoic Acid	Linear	0.997218	0.000000	0.271905	-0.0504247
102 T	Parathion	Linear	0.993772	0.000000	0.149294	-0.0264501
103 T	3,3'-Dimethylbenzidine	Linear	0.997019	0.000000	0.974468	-0.343452

Response Factor Report SV107

Method Path : I:\8270\SV107\250826ical\
 Method File : FS250826SV107RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Wed Aug 27 17:27:22 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1) I	IS1_1,4-Dichlorobenzene-d4	-----ISTD-----										
2) t	N-Nitrosodimethylamine	0.424	0.542	0.614	0.634	0.716	0.725	0.777	0.746	0.753	0.659	17.76
3) t	Pyridine	0.972	1.102	1.146	1.279	1.264	1.427	1.344	1.362	1.237	12.32	
4) s	2-Fluorophenol	0.780	0.861	0.951	0.994	1.077	1.092	1.202	1.152	1.180	1.032	14.19
5) T	Aniline	1.174	1.520	1.623	1.775	1.816	1.908	1.847	1.872	1.692	14.63	
6) t	2-Chlorophenol	1.039	1.140	1.109	1.147	1.258	1.278	1.378	1.343	1.357	1.228	9.95
7) S	Phenol-d6	1.051	1.046	1.170	1.236	1.332	1.352	1.420	1.393	1.415	1.268	11.78
8) T	Phenol	1.236	1.325	1.288	1.337	1.477	1.459	1.555	1.512	1.523	1.412	8.26
9) T	bis(2-Chloroethyl)ether	1.199	1.170	1.164	1.149	1.190	1.178	1.242	1.210	1.239	1.193	2.72
10) T	1,3-Dichlorobenzene	1.497	1.552	1.541	1.463	1.564	1.552	1.636	1.589	1.628	1.558	3.60
11) T	1,4-Dichlorobenzene	1.544	1.594	1.538	1.531	1.606	1.575	1.683	1.626	1.628	1.592	3.15
12) t	1,2-Dichlorobenzene	1.592	1.563	1.449	1.452	1.504	1.506	1.577	1.544	1.563	1.528	3.46
13) t	Benzyl alcohol	0.822	0.795	0.789	0.887	0.939	0.971	1.066	1.034	1.053	0.928	11.91
14) T	bis(2-chloroisopropyl)ether	1.880	1.813	1.806	1.833	1.847	1.864	1.954	1.900	1.905	1.867	2.58
15) T	2-Methylphenol	0.859	0.875	0.979	1.014	1.091	1.078	1.182	1.135	1.150	1.040	11.26
16) T	Hexachloroethane	0.528	0.585	0.584	0.546	0.592	0.584	0.622	0.602	0.616	0.584	5.23
17) T	n-Nitrosodi-n-propylamine	0.711	0.799	0.785	0.808	0.809	0.854	0.912	0.862	0.869	0.823	7.12
18) T	3-Methylphenol/4-Methylphenol	0.916	0.977	1.002	1.062	1.145	1.169	1.245	1.202	1.196	1.102	10.52
19) S	Nitrobenzene-d5	1.106	1.087	1.100	1.114	1.184	1.207	1.292	1.239	1.224	1.172	6.25
20) T	Nitrobenzene	1.184	1.130	1.068	1.129	1.194	1.205	1.306	1.244	1.245	1.190	6.10
21) T	Isophorone	1.887	2.058	2.000	2.110	2.201	2.230	2.399	2.270	2.271	2.158	7.35
22) T	2-Nitrophenol	0.409	0.369	0.405	0.445	0.495	0.522	0.606	0.602	0.597	0.494	18.73
23) T	2,4-Dimethylphenol	0.987	1.053	1.023	1.114	1.202	1.217	1.274	1.242	1.275	1.154	9.70
24) T	bis(2-Chloroethoxy)methane	1.335	1.480	1.410	1.456	1.471	1.457	1.528	1.465	1.449	1.450	3.68
25) T	2,4-Dichlorophenol	0.890	0.924	0.984	1.100	1.153	1.193	1.283	1.242	1.226	1.111	13.06
26) T	1,2,4-Trichlorobenzene	1.531	1.458	1.442	1.390	1.452	1.411	1.505	1.430	1.414	1.448	3.14
27) I	IS2_1,4-Dichlorobenzene-d4	-----ISTD-----										
28) T	Benzaldehyde	0.511	0.598	0.602	0.617	0.637	0.606	0.622	0.630	0.624	0.605	6.23
29) T	Acetophenone	1.759	1.774	1.708	1.705	1.799	1.801	1.874	1.853	1.893	1.796	3.76
30) T	m-Toluidine	0.803	1.041	1.126	1.218	1.261	1.325	1.129	16.70			
31) T	2-Chloroaniline	1.390	1.475	1.520	1.471	1.596	1.571	1.613	1.632	1.639	1.545	5.58
32) I	IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) T	1,4-Dioxane	0.742	0.561	0.521	0.546	0.532	0.497	0.496	0.517	0.495	0.545	14.16
34) T	n-Decane	1.668	1.600	1.560	1.567	1.519	1.486	1.495	1.609	1.598	1.567	3.78
35) I	IS1_Naphthalene-d8	-----ISTD-----										
36) T	Naphthalene	1.116	1.081	1.017	1.032	1.038	1.036	1.085	1.059	1.022	1.054	3.19
37) T	Benzoic Acid	0.128	0.165	0.198	0.222	0.220	*L	0.9995				
38) T	4-Chloroaniline	0.103	0.109	0.117	0.118	0.123	0.124	0.131	0.127	0.125	0.120	7.57
39) T	Hexachlorobutadiene	0.245	0.223	0.231	0.223	0.224	0.222	0.237	0.236	0.239	0.231	3.67
40) T	p-Chloro-m-cresol	0.201	0.214	0.227	0.244	0.264	0.270	0.299	0.291	0.289	0.256	13.95
41) T	2-Methylnaphthalene	0.603	0.646	0.604	0.622	0.622	0.638	0.660	0.649	0.647	0.632	3.25
42) T	1-Methylnaphthalene	0.232	0.250	0.238	0.236	0.236	0.239	0.244	0.240	0.239	0.240	2.10
43) T	Hexachlorocyclopentadiene	0.241	0.224	0.228	0.227	0.239	0.245	0.260	0.265	0.264	0.244	6.56
44) T	2,4,6-Trichlorophenol	0.169	0.174	0.192	0.200	0.218	0.237	0.252	0.243	0.245	0.214	14.86
45) T	2,4,5-Trichlorophenol	0.168	0.187	0.212	0.221	0.244	0.245	0.272	0.263	0.256	0.230	15.44

Response Factor Report SV107

Method Path : I:\8270\SV107\250826ical\
 Method File : FS250826SV107RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Wed Aug 27 17:27:22 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46)	S 2-Fluorobiphenyl	0.884	0.896	0.868	0.866	0.869	0.857	0.888	0.870	0.854	0.872	1.62
47)	T 2-Chloronaphthalene	0.762	0.777	0.718	0.721	0.721	0.724	0.745	0.724	0.713	0.734	3.05
48)	T 2-Nitroaniline		0.113	0.134	0.135	0.153	0.168	0.191	0.190	0.187	0.159	18.70
49)	T 1,4-Dinitrobenzene			0.056	0.062	0.070	0.079	0.092	0.091	0.090	0.077	18.88
50)	T 1,3-Dinitrobenzene			0.071	0.074	0.085	0.097	0.108	0.108	0.107	0.093	17.42
51)	T Dimethyl phthalate	0.789	0.759	0.746	0.743	0.746	0.789	0.818	0.775	0.753	0.769	3.34
52)	T Acenaphthylene	1.058	1.042	1.055	1.058	1.096	1.123	1.188	1.145	1.131	1.100	4.57
53)	T 2,6-Dinitrotoluene	0.105	0.102	0.110	0.115	0.129	0.149	0.162	0.156	0.153	0.131	18.12
54)	T 1,2-Dinitrobenzene		0.040	0.053	0.052	0.060	0.064	0.071	0.069	0.067	0.060	17.83
55)	I IS2_Naphthalene-d8	-----ISTD-----										
56)	T a-Terpineol	0.211	0.206	0.238	0.241	0.252	0.257	0.273	0.280	0.293	0.250	11.85
57)	T 3-Chloroaniline	0.074	0.105	0.125	0.114	0.126	0.128	0.126	0.126	0.127	0.117	15.31
58)	T 2,6-Dichlorophenol	0.196	0.225	0.228	0.232	0.272	0.284	0.297	0.315	0.326	0.264	17.16
59)	T 1-chloro-2-nitrobenzene	0.116	0.111	0.120	0.118	0.120	0.124	0.133	0.134	0.143	0.124	8.11
60)	T Caprolactam				0.088	0.107	0.120	0.138	0.145	0.151	0.125	19.44
61)	T 1,2,4,5-Tetrachlorobenzene	0.446	0.417	0.429	0.394	0.417	0.402	0.410	0.400	0.417	0.415	3.88
62)	T Biphenyl	1.055	0.900	0.963	0.916	0.946	0.925	0.933	0.923	0.968	0.948	4.83
63)	I IS1_Acenaphthene-d10	-----ISTD-----										
64)	T 3-Nitroaniline	0.171	0.202	0.194	0.228	0.266	0.273	0.301	0.298	0.284	0.246	19.77
65)	T Acenaphthene	1.231	1.142	1.081	1.124	1.128	1.101	1.164	1.189	1.139	1.144	3.96
66)	T 2,4-Dinitrophenol				0.084	0.104	0.117	0.138	0.151	0.149		*L 0.9986
67)	T Dibenzofuran	1.872	1.960	1.723	1.803	1.847	1.796	1.856	1.868	1.778	1.834	3.71
68)	T 2,4-Dinitrotoluene			0.213	0.258	0.300	0.339	0.367	0.381	0.370		*L 0.9993
69)	T 4-Nitrophenol			0.139	0.144	0.178	0.200	0.215	0.217	0.205	0.185	17.66
70)	T 2,3,5,6-Tetrachlorophenol		0.215	0.239	0.270	0.315	0.328	0.353	0.364	0.350	0.304	18.49
71)	T 2,3,4,6-Tetrachlorophenol	0.235	0.237	0.244	0.296	0.330	0.323	0.342	0.349	0.342	0.300	16.14
72)	T Diethyl phthalate	1.171	1.282	1.272	1.243	1.301	1.296	1.350	1.331	1.273	1.280	4.06
73)	T Fluorene	1.293	1.396	1.354	1.402	1.459	1.416	1.489	1.453	1.419	1.409	4.17
74)	T 4-Chlorophenyl-phenylether	0.770	0.766	0.703	0.688	0.719	0.696	0.726	0.717	0.686	0.719	4.31
75)	T 4-Nitroaniline			0.178	0.209	0.246	0.251	0.285	0.280	0.270	0.246	16.01
76)	T 4,6-Dinitro-o-cresol				0.113	0.142	0.161	0.187	0.199	0.196		*L 0.9991
77)	T NDPA/DPA	1.036	1.044	1.054	1.112	1.140	1.148	1.209	1.150	1.111	1.112	5.19
78)	T Azobenzene	0.991	1.122	1.088	1.082	1.173	1.164	1.227	1.208	1.147	1.133	6.40
79)	S 2,4,6-Tribromophenol		0.121	0.129	0.137	0.153	0.165	0.175	0.172	0.167	0.152	13.62
80)	T 4-Bromophenyl-phenylether	0.358	0.433	0.383	0.383	0.383	0.379	0.390	0.373	0.364	0.383	5.60
81)	T Hexachlorobenzene	0.431	0.424	0.404	0.384	0.396	0.385	0.403	0.394	0.373	0.399	4.70
82)	T Pentachlorophenol			0.155	0.188	0.220	0.242	0.244	0.243	0.216		17.09
83)	I IS2_Acenaphthene-d10	-----ISTD-----										
84)	T Dichloran				0.114	0.125	0.147	0.162	0.174	0.145		17.39
85)	T Pentachloronitrobenzene		0.089	0.114	0.116	0.135	0.137	0.150	0.156	0.165	0.133	19.02
86)	I IS3_Acenaphthene-d10	-----ISTD-----										
87)	T Atrazine	0.267	0.273	0.279	0.288	0.315	0.335	0.361	0.423	0.431	0.330	19.01
88)	I IS1_Phenanthrene-d10	-----ISTD-----										
89)	T Phenanthrene	1.194	1.193	1.097	1.122	1.141	1.121	1.156	1.160	1.132	1.146	2.86
90)	T Anthracene	1.069	1.116	1.064	1.054	1.101	1.122	1.218	1.173	1.184	1.122	5.16

Response Factor Report SV107

Method Path : I:\8270\SV107\250826ical\
 Method File : FS250826SV107RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Wed Aug 27 17:27:22 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T Carbazole	0.852	0.826	0.880	0.924	1.005	1.023	1.099	1.088	1.077	0.975	10.92
92)	T Di-n-butylphthalate	0.878	0.876	0.893	0.938	1.048	1.138	1.283	1.299	1.273	1.070	17.08
93)	T Fluoranthene	1.215	1.155	1.127	1.124	1.197	1.261	1.303	1.303	1.272	1.217	5.87
94)	T Benzidine				0.387	0.575	0.683	0.758	0.784	0.780		*L 0.9998
95)	T Pyrene	1.320	1.243	1.190	1.180	1.299	1.344	1.356	1.369	1.330	1.292	5.51
96)	S 4-Terphenyl-d14	0.922	0.843	0.835	0.791	0.829	0.883	0.923	0.882	0.878	0.865	5.08
97)	T Butyl benzyl phthalate			0.284	0.294	0.370	0.412	0.484	0.508	0.508		*L 0.9980
98)	I IS2_Phenanthrene-d10	-----ISTD-----										
99)	T Diphenamid			0.332	0.333	0.418	0.459	0.496	0.495	0.510	0.435	17.52
100)	I IS3_Phenanthrene-d10	-----ISTD-----										
101)	T n-Octadecane	0.421	0.409	0.375	0.423	0.428	0.454	0.464	0.502	0.492	0.441	9.28
102)	T Parathion			0.060	0.056	0.061	0.068	0.079	0.103	0.112		*Q 0.9968
103)	T 3,3'-Dimethylbenzidine				0.246	0.398	0.496	0.590	0.781	0.795		*Q 0.9961
104)	I IS1_Chrysene-d12	-----ISTD-----										
105)	T Benzo[a]anthracene	1.400	1.365	1.241	1.294	1.330	1.355	1.493	1.459	1.366	1.367	5.68
106)	T 3,3'-Dichlorobenzidine			0.316	0.353	0.406	0.442	0.508	0.507	0.517	0.436	18.50
107)	T Chrysene	1.496	1.432	1.327	1.344	1.303	1.309	1.373	1.330	1.252	1.352	5.43
108)	T bis(2-Ethylhexyl)phthalate		0.449	0.514	0.566	0.681	0.779	0.927	0.916	0.860		*L 0.9968
109)	T Di-n-octylphthalate			0.742	0.789	1.000	1.168	1.452	1.443	1.432		*L 0.9976
110)	T Benzo(b)fluoranthene	1.151	1.214	1.152	1.081	1.131	1.156	1.213	1.257	1.305	1.185	5.82
111)	T Benzo(k)fluoranthene	1.211	1.131	1.099	1.137	1.168	1.212	1.278	1.249	1.306	1.199	5.89
112)	T Benzo(a)pyrene	1.019	1.071	1.012	1.016	1.039	1.090	1.138	1.223	1.304	1.101	9.31
113)	I IS1_Perylene-d12	-----ISTD-----										
114)	T Indeno(1,2,3-cd)pyrene	0.957	0.915	0.984	1.007	1.111	1.178	1.269	1.372	1.208	1.111	14.07
115)	T Dibenzo[a,h]anthracene	0.948	1.019	1.040	1.102	1.179	1.226	1.274	1.360	1.241	1.154	11.73
116)	T Benzo(g,h,i)perylene	0.952	1.100	1.061	1.102	1.205	1.237	1.265	1.352	1.074	1.150	10.74

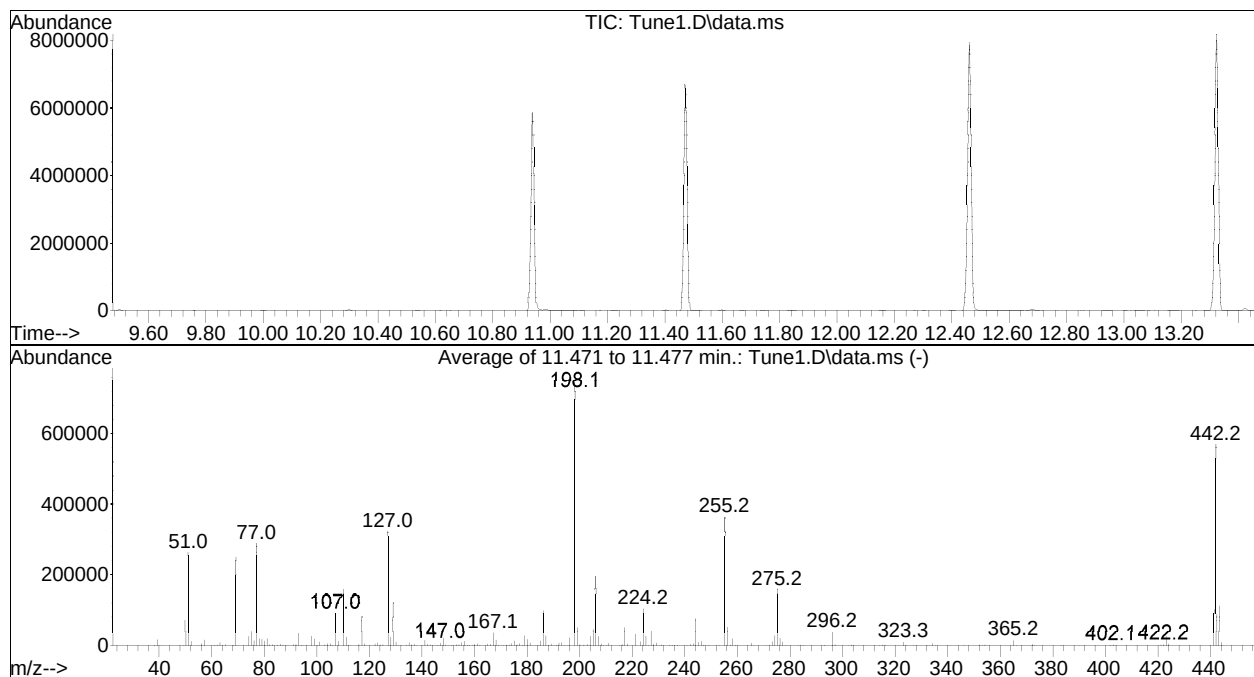
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DFTPP

Data Path : I:\8270\SV107\250826ical\
 Data File : Tune1.D
 Acq On : 26 Aug 2025 6:18 pm
 Operator : SV107:ljg
 Sample : Tune lot #11857
 Misc : WG2108478
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV107\250826ical\DftppSV107.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Wed Mar 05 13:38:17 2025



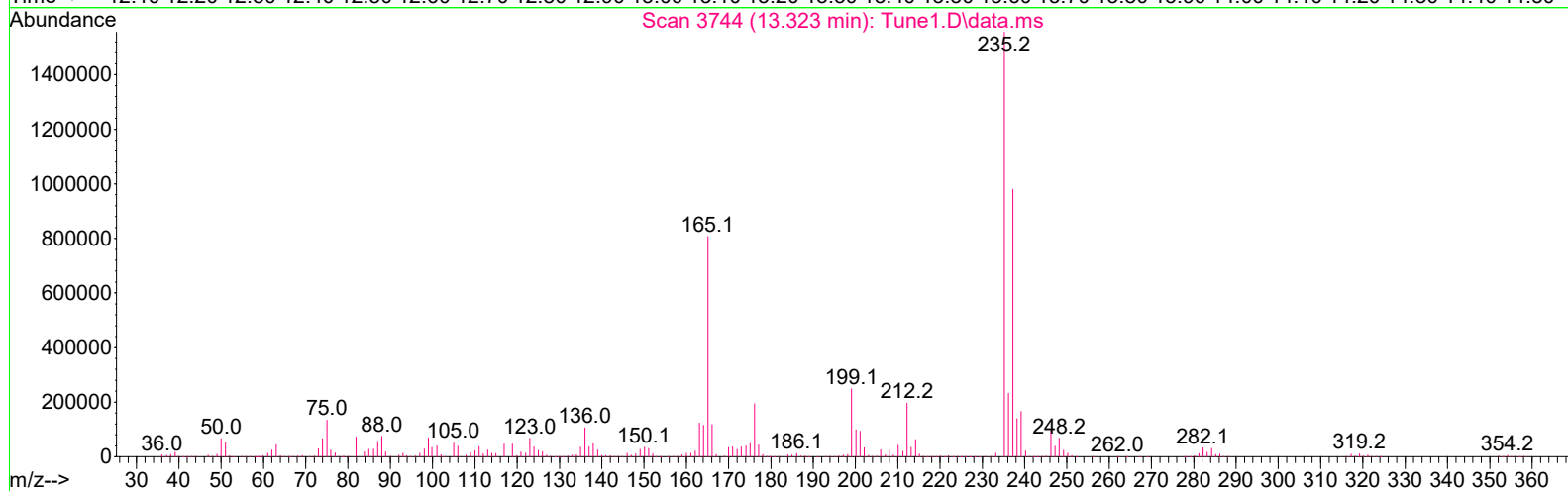
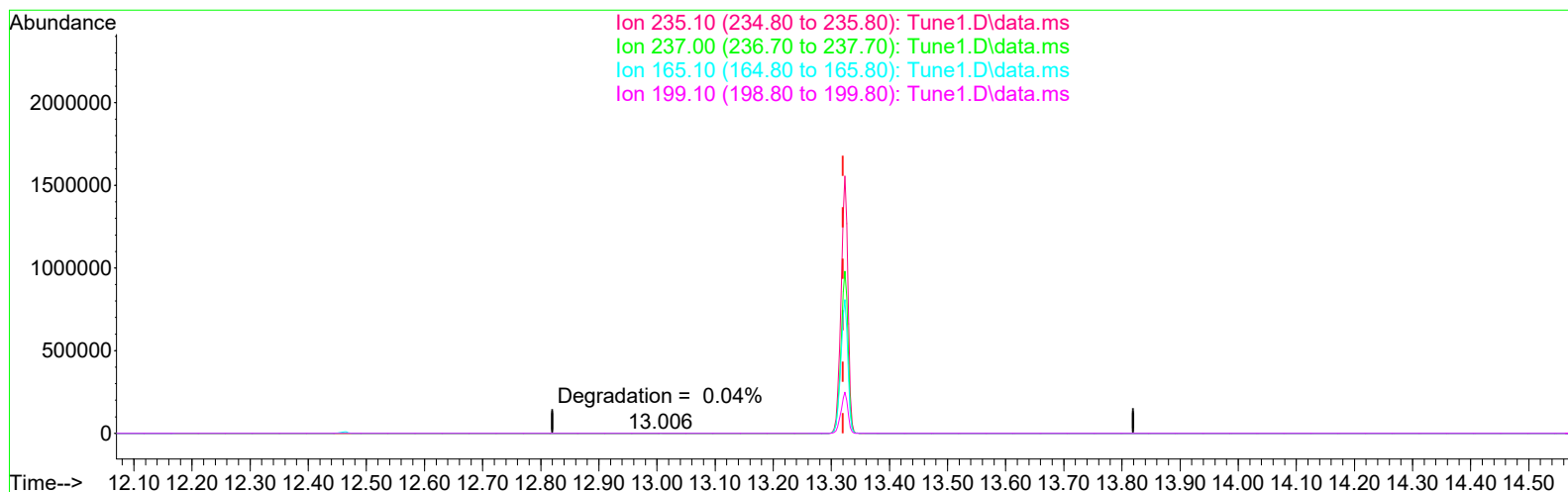
Spectrum Information: Average of 11.471 to 11.477 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.1	262379	PASS
68	69	0.00	2	1.2	2882	PASS
70	69	0.00	2	0.5	1272	PASS
127	198	40	60	43.0	321067	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	747136	PASS
199	198	5	9	6.8	50931	PASS
275	198	10	30	21.2	158491	PASS
365	198	1	100	2.0	14869	PASS
441	443	0.01	100	91.2	102013	PASS
442	198	40	100	76.2	569472	PASS
443	442	17	23	19.6	111861	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250826ical\
 Data File : Tune1.D
 Acq On : 26 Aug 2025 6:18 pm
 Operator : SV107:ljg
 Sample : Tune lot #11857
 Misc : WG2108478
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 27 05:39:39 2025
 Quant Method : I:\8270\SV107\250826ical\DftppSV107.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Mar 05 13:38:17 2025
 Response via : Initial Calibration



CHROMtools™ [Tune lot #11857]

(6) DDT (T)

13.323min (+ 0.003) 211.00

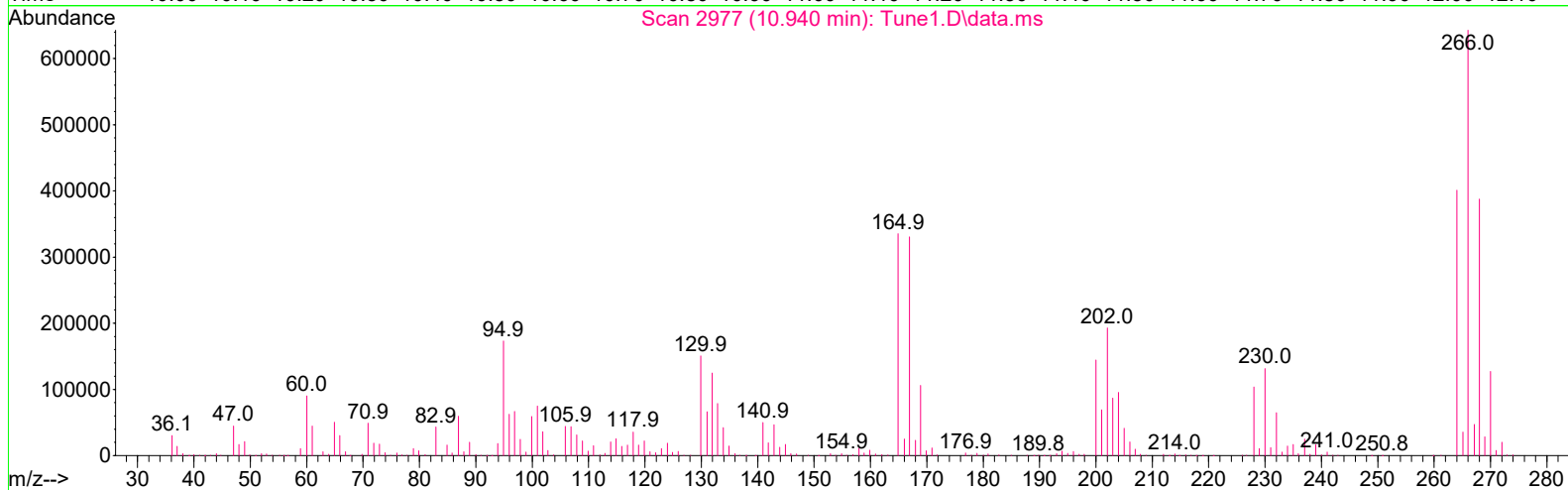
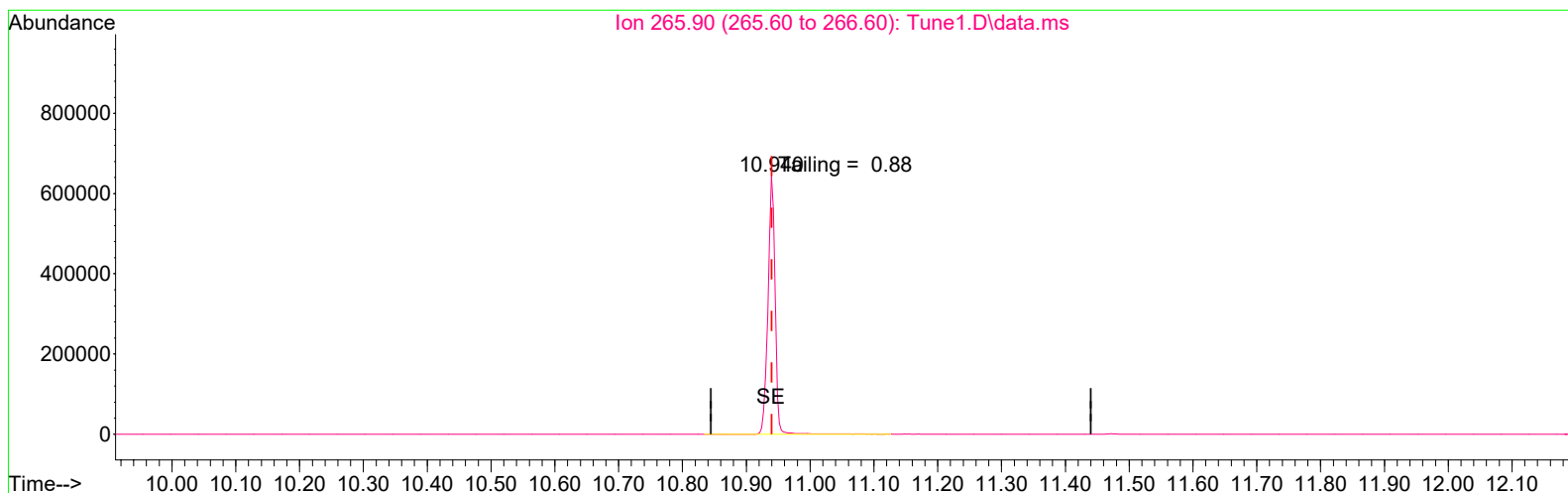
response 1286184

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	63.99
165.10	55.40	52.27
199.10	16.20	16.05

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250826ical\
 Data File : Tune1.D
 Acq On : 26 Aug 2025 6:18 pm
 Operator : SV107:ljg
 Sample : Tune lot #11857
 Misc : WG2108478
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 27 05:39:39 2025
 Quant Method : I:\8270\SV107\250826ical\DftppSV107.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Mar 05 13:38:17 2025
 Response via : Initial Calibration



CHROMtools™ [Tune lot #11857]

(1) Pentachlorophenol (T)

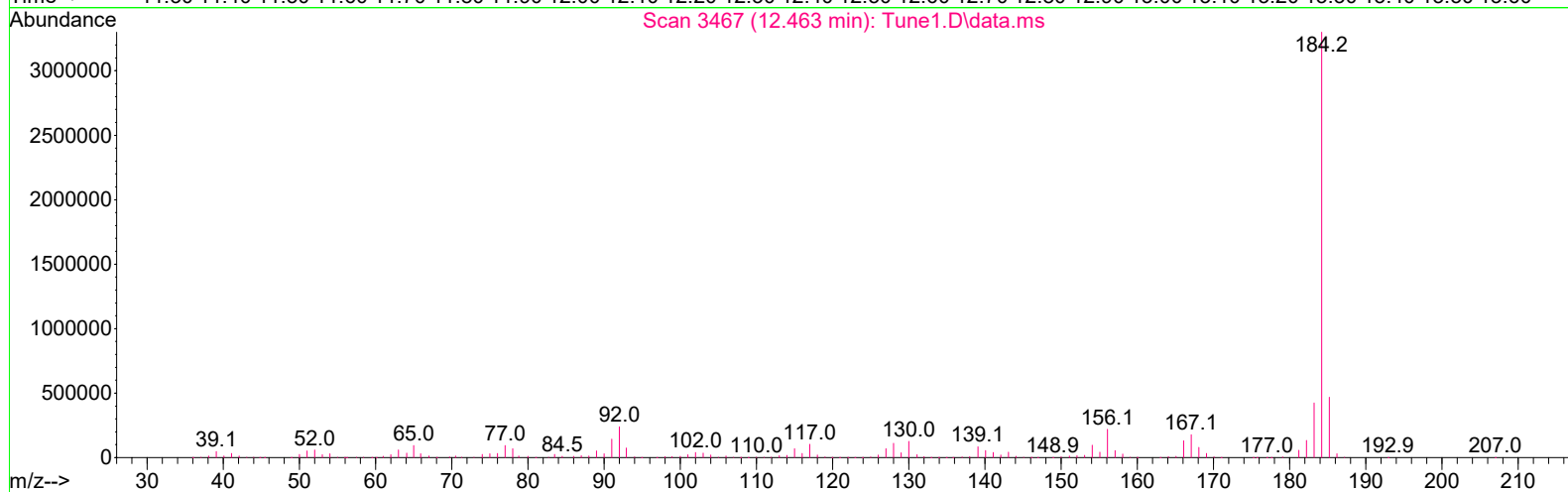
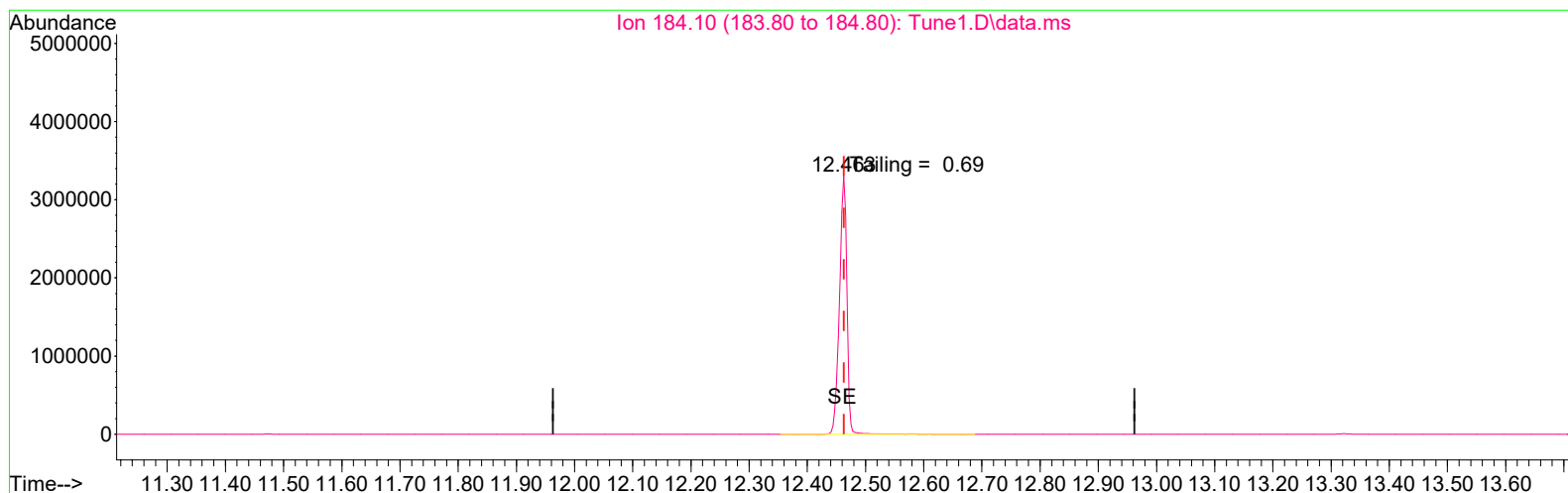
10.940min (-0.000) 236.21

response 496124

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\8270\SV107\250826ical\
Data File : Tune1.D
Acq On : 26 Aug 2025 6:18 pm
Operator : SV107:ljj
Sample : Tune lot #11857
Misc : WG2108478
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 27 05:39:39 2025
Quant Method : I:\8270\SV107\250826ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 13:38:17 2025
Response via : Initial Calibration



CHROMtools™ [Tune lot #11857]

(3) Benzidine (T)

12.463min (-0.000) 284.57

response 2896894

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL9.D
 Acq On : 26 Aug 2025 6:52 pm
 Operator : SV107:ljl
 Sample : IL2,32,,ABNL50 Lot# 11885
 Misc : WG2108478
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 16:38:13 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.486	152	60517	4.000	ug/ml	0.00
Standard Area 1 = 56159			Recovery =	107.76%		
35) IS1_Naphthalene-d8	7.909	136	220127	4.000	ug/ml	0.00
Standard Area 1 = 205165			Recovery =	107.29%		
63) IS1_Acenaphthene-d10	9.675	164	124200	4.000	ug/ml	0.00
Standard Area 1 = 119448			Recovery =	103.98%		
88) IS1_Phenanthrene-d10	11.120	188	205818	4.000	ug/ml	0.00
Standard Area 1 = 214039			Recovery =	96.16%		
104) IS1_Chrysene-d12	13.784	240	188366	4.000	ug/ml	0.02
Standard Area 1 = 186272			Recovery =	101.12%		
113) IS1_Perylene-d12	15.266	264	181508	4.000	ug/ml	0.02
Standard Area 1 = 167117			Recovery =	108.61%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.590	112	892285	57.151	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	2857.55%#		
7) Phenol-d6	6.113	99	1070401	55.776	ug/ml	0.02
Spiked Amount 2.000	Range 15 - 110		Recovery =	2788.80%#		
19) Nitrobenzene-d5	7.148	82	925642	52.183	ug/ml	0.02
Spiked Amount 1.000	Range 30 - 130		Recovery =	5218.30%#		
46) 2-Fluorobiphenyl	9.034	172	2349781	48.942	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	4894.20%#		
79) 2,4,6-Tribromophenol	10.449	330	259689	54.881	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	2744.05%#		
96) 4-Terphenyl-d14	12.718	244	2259914	50.766	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	5076.60%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.194	74	569527	57.119	ug/ml#	73
3) Pyridine	2.225	79	1030519	55.065	ug/ml#	64
5) Aniline	6.085	93	1415885	55.322	ug/ml	98
6) 2-Chlorophenol	6.222	128	1026230	55.246	ug/ml	92
8) Phenol	6.132	94	1152465	53.933	ug/ml	96
9) Bis(2-chloroethyl)ether	6.219	93	937357	51.924	ug/ml#	84
10) 1,3-Dichlorobenzene	6.408	146	1231217	52.234	ug/ml	97
11) 1,4-Dichlorobenzene	6.508	146	1231653	51.144	ug/ml	97
12) 1,2-Dichlorobenzene	6.679	146	1182692	51.170	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL9.D
 Acq On : 26 Aug 2025 6:52 pm
 Operator : SV107:ljl
 Sample : IL2,32,,ABNL50 Lot# 11885
 Misc : WG2108478
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 16:38:13 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.700	79	796443	56.702	ug/ml	97
14) Bis(2-chloroisopropyl)...	6.884	45	1440903	51.014	ug/ml#	89
15) 2-Methylphenol	6.859	108	869638	55.250	ug/ml	98
16) Hexachloroethane	7.067	117	465878	52.691	ug/ml#	61
17) n-Nitrosodi-n-propylamine	7.027	70	657610	52.791	ug/ml	95
18) 3-Methylphenol/4-Methy...	7.048	108	904728	54.285	ug/ml	97
20) Nitrobenzene	7.170	77	942164	52.352	ug/ml	96
21) Isophorone	7.452	82	1718280	52.619	ug/ml	98
22) 2-Nitrophenol	7.518	139	451338	60.335	ug/ml	88
23) 2,4-Dimethylphenol	7.617	107	964740	55.258	ug/ml	100
24) Bis(2-chloroethoxy)met...	7.720	93	1096070	49.956	ug/ml	98
25) 2,4-Dichlorophenol	7.782	162	927089	55.170	ug/ml#	95
26) 1,2,4-Trichlorobenzene	7.863	180	1069565	48.819	ug/ml	98
36) Naphthalene	7.934	128	2813453	48.494	ug/ml	98
37) Benzoic Acid	7.797	105	604588M3	49.594	ug/ml	
38) 4-Chloroaniline	8.015	65	344753	52.333	ug/ml	78
39) Hexachlorobutadiene	8.086	225	657877	51.731	ug/ml	98
40) p-Chloro-m-cresol	8.534	107	794056	56.465	ug/ml	96
41) 2-Methylnaphthalene	8.649	142	1779603	51.133	ug/ml	96
42) 1-Methylnaphthalene	8.745	115	658490	49.959	ug/ml	97
43) Hexachlorocyclopentadiene	8.817	237	726515	54.193	ug/ml	98
44) 2,4,6-Trichlorophenol	8.944	196	673725	57.077	ug/ml	99
45) 2,4,5-Trichlorophenol	8.972	196	703309	55.604	ug/ml	100
47) 2-Chloronaphthalene	9.131	162	1962040	48.573	ug/ml	95
48) 2-Nitroaniline	9.246	138	513657	58.773	ug/ml	84
49) 1,4-Dinitrobenzene	9.392	168	247516	58.262	ug/ml#	71
50) 1,3-Dinitrobenzene	9.463	168	293071	57.434	ug/ml#	1
51) Dimethyl phthalate	9.463	163	2070673	48.953	ug/ml#	98
52) Acenaphthylene	9.535	152	3113154	51.448	ug/ml	97
53) 2,6-Dinitrotoluene	9.504	165	420373	58.182	ug/ml#	77
54) 1,2-Dinitrobenzene	9.547	168	184306	56.206	ug/ml#	1
64) 3-Nitroaniline	9.656	138	440259	57.581	ug/ml	92
65) Acenaphthene	9.709	154	1767604	49.746	ug/ml	92
66) 2,4-Dinitrophenol	9.756	184	231124	50.080	ug/ml#	83
67) Dibenzofuran	9.880	168	2760089	48.478	ug/ml	92
68) 2,4-Dinitrotoluene	9.889	165	574991	49.668	ug/ml	92
69) 4-Nitrophenol	9.836	65	318746	55.398	ug/ml#	81
70) 2,3,5,6-Tetrachlorophenol	9.964	232	542688	57.460	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL9.D
 Acq On : 26 Aug 2025 6:52 pm
 Operator : SV107:ljj
 Sample : IL2,32,,ABNL50 Lot# 11885
 Misc : WG2108478
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 16:38:13 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.007	232	530692	56.998	ug/ml	97
72)	Diethyl phthalate	10.156	149	1976133	49.722	ug/ml	98
73)	Fluorene	10.216	166	2202584	50.344	ug/ml	97
74)	4-Chlorophenyl phenyl ...	10.234	204	1065167	47.705	ug/ml#	88
75)	4-Nitroaniline	10.256	138	419458	55.019	ug/ml	83
76)	4,6-Dinitro-o-cresol	10.284	198	304268	49.880	ug/ml#	59
77)	NDPA/DPA	10.355	169	1724542	49.963	ug/ml	92
78)	Azobenzene	10.390	77	1780740	50.603	ug/ml#	92
80)	4-Bromophenyl phenyl e...	10.707	248	564650	47.511	ug/ml#	88
81)	Hexachlorobenzene	10.747	284	579093	46.695	ug/ml#	88
82)	Pentachlorophenol	10.943	266	377352	56.383	ug/ml	98
89)	Phenanthrene	11.145	178	2912408	49.381	ug/ml	97
90)	Anthracene	11.195	178	3046154	52.747	ug/ml	97
91)	Carbazole	11.366	167	2771934	55.261	ug/ml	97
92)	Di-n-butylphthalate	11.760	149	3276100	59.522	ug/ml	98
93)	Fluoranthene	12.307	202	3273516	52.255	ug/ml#	92
94)	Benzidine	12.463	184	2007931	49.778	ug/ml#	94
95)	Pyrene	12.525	202	3421749	51.454	ug/ml	99
97)	Butyl benzyl phthalate	13.258	149	1307388	50.489	ug/ml	87
105)	Benzo(a)anthracene	13.774	228	3215200	49.943	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.777	252	1217436	59.361	ug/ml#	97
107)	Chrysene	13.818	228	2948308	46.313	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.911	149	2024693	49.030	ug/ml#	96
109)	Di-n-octylphthalate	14.607	149	3370697	50.032	ug/ml#	73
110)	Benzo(b)fluoranthene	14.899	252	3073345	55.097	ug/ml#	95
111)	Benzo(k)fluoranthene	14.931	252	3074359	54.456	ug/ml#	94
112)	Benzo(a)pyrene	15.220	252	3070333	59.195	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	16.286	276	2741672	54.365	ug/mL	94
115)	Dibenzo(a,h)anthracene	16.314	278	2815725	53.757	ug/ml#	93
116)	Benzo(ghi)perylene	16.550	276	2436506	46.703	ug/ml#	91

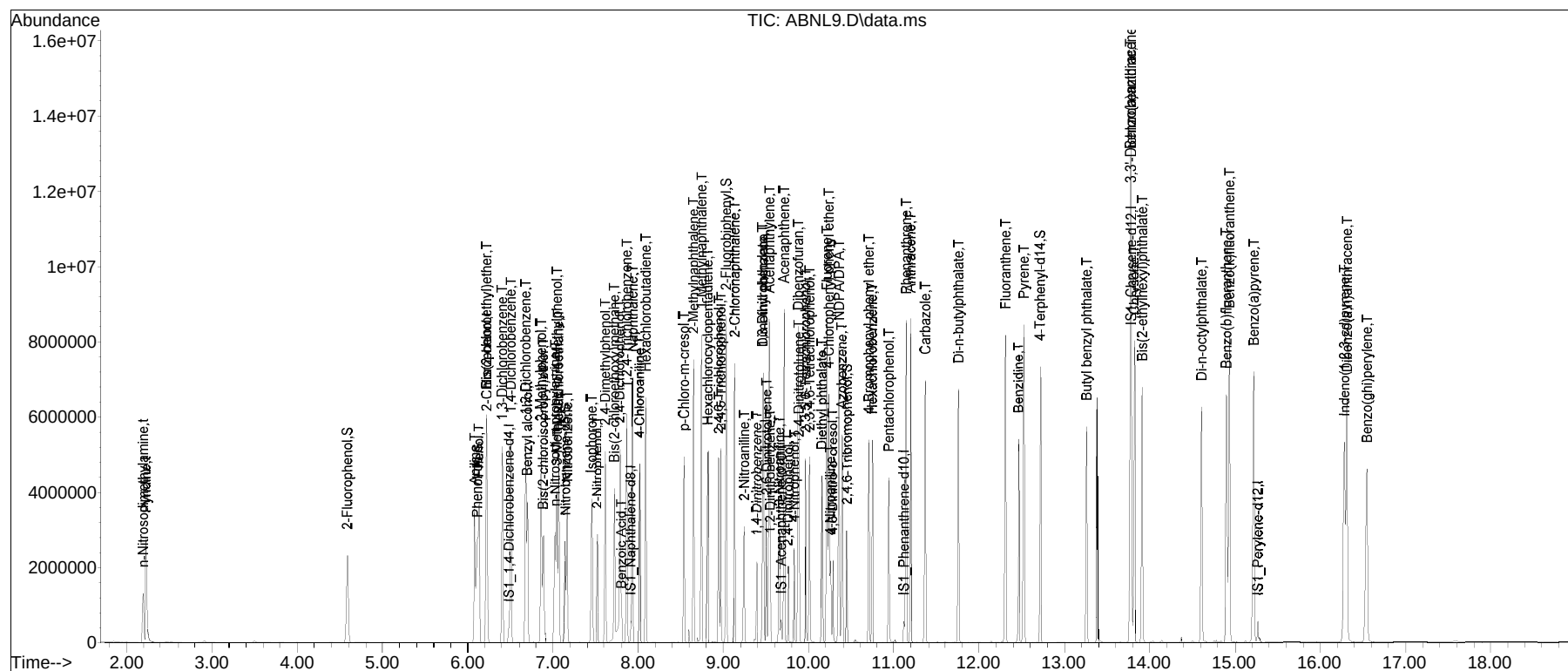
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Data Path   : I:\8270\SV107\250826ical\  
Data File  : ABNL9.D  
Acq On     : 26 Aug 2025    6:52 pm  
Operator   : SV107:ljl  
Sample     : IL2,32,,ABNL50 Lot# 11885  
Misc       : WG2108478  
ALS Vial   : 1      Sample Multiplier: 1
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Quant Time: Aug 28 16:38:13 2025
Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 27 17:27:22 2025
Response via : Initial Calibration

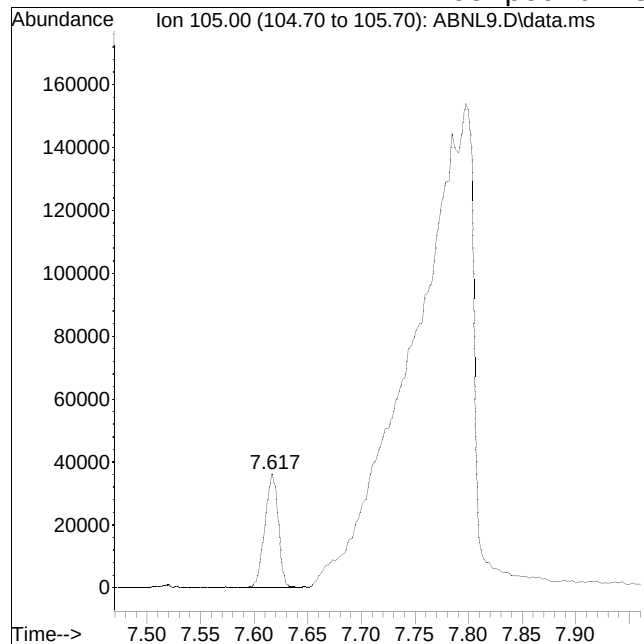
Sub List : ABNica\827ABNV107\250026\$cal\AP9L6a.D•



Manual Integration Report

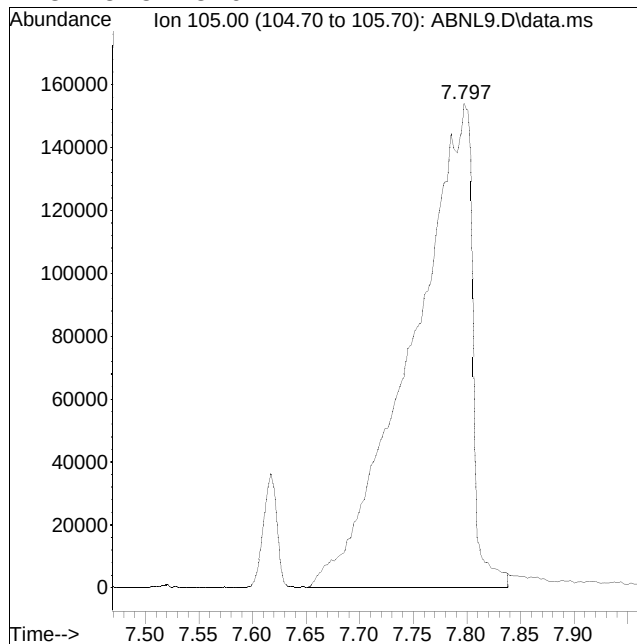
Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL9.D Operator : SV107:ljl
Date Inj'd : 8/26/2025 6:52 pm Instrument : SV107
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 4:39 pm

Compound #37: Benzoic Acid



Original Peak Response = 31945

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.



Manual Peak Response = 604588 M3

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL8.D
 Acq On : 26 Aug 2025 7:16 pm
 Operator : SV107:ljl
 Sample : IL3,32,,ABNL25 Lot# 11886
 Misc : WG2108478
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 16:38:04 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.483	152	65239	4.000	ug/ml	0.00
Standard Area 1 = 56159			Recovery =	116.17%		
35) IS1_Naphthalene-d8	7.906	136	233814	4.000	ug/ml	# 0.00
Standard Area 1 = 205165			Recovery =	113.96%		
63) IS1_Acenaphthene-d10	9.672	164	127615	4.000	ug/ml	0.00
Standard Area 1 = 119448			Recovery =	106.84%		
88) IS1_Phenanthrene-d10	11.114	188	215215	4.000	ug/ml	0.00
Standard Area 1 = 214039			Recovery =	100.55%		
104) IS1_Chrysene-d12	13.771	240	181128	4.000	ug/ml	0.00
Standard Area 1 = 186272			Recovery =	97.24%		
113) IS1_Perylene-d12	15.244	264	164360	4.000	ug/ml	0.00
Standard Area 1 = 167117			Recovery =	98.35%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.584	112	469530	27.897	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1394.85%#		
7) Phenol-d6	6.100	99	568019	27.456	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1372.80%#		
19) Nitrobenzene-d5	7.138	82	505202	26.419	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2641.90%#		
46) 2-Fluorobiphenyl	9.031	172	1271684	24.937	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2493.70%#		
79) 2,4,6-Tribromophenol	10.442	330	137131	28.205	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1410.25%#		
96) 4-Terphenyl-d14	12.711	244	1185955	25.478	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2547.80%#		
Target Compounds						
2) n-Nitrosodimethylamine	2.187	74	304249	28.305	ug/ml#	72
3) Pyridine	2.221	79	548001	27.163	ug/ml#	64
5) Aniline	6.079	93	753133	27.297	ug/ml	97
6) 2-Chlorophenol	6.215	128	547512	27.341	ug/ml	92
8) Phenol	6.119	94	616349	26.756	ug/ml	96
9) Bis(2-chloroethyl)ether	6.209	93	493326	25.350	ug/ml#	84
10) 1,3-Dichlorobenzene	6.405	146	647957	25.500	ug/ml	97
11) 1,4-Dichlorobenzene	6.504	146	663012	25.539	ug/ml	97
12) 1,2-Dichlorobenzene	6.675	146	629457	25.263	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL8.D
 Acq On : 26 Aug 2025 7:16 pm
 Operator : SV107:ljl
 Sample : IL3,32,,ABNL25 Lot# 11886
 Misc : WG2108478
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 16:38:04 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	6.691	79	421655	27.847	ug/ml	96
14)	Bis(2-chloroisopropyl)...	6.877	45	774594	25.439	ug/ml#	87
15)	2-Methylphenol	6.849	108	462988	27.285	ug/ml	98
16)	Hexachloroethane	7.064	117	245593	25.766	ug/ml#	60
17)	n-Nitrosodi-n-propylamine	7.014	70	351615	26.184	ug/ml	97
18)	3-Methylphenol/4-Methy...	7.039	108	490172	27.282	ug/ml	98
20)	Nitrobenzene	7.160	77	507226	26.145	ug/ml	96
21)	Isophorone	7.443	82	925603	26.293	ug/ml	98
22)	2-Nitrophenol	7.511	139	245319	30.421	ug/ml	88
23)	2,4-Dimethylphenol	7.611	107	506319	26.902	ug/ml	100
24)	Bis(2-chloroethoxy)met...	7.710	93	597548	25.263	ug/ml	99
25)	2,4-Dichlorophenol	7.776	162	506536	27.961	ug/ml#	95
26)	1,2,4-Trichlorobenzene	7.860	180	583037	24.686	ug/ml	98
36)	Naphthalene	7.928	128	1548261	25.124	ug/ml	99
37)	Benzoic Acid	7.760	105	324479	25.635	ug/ml	95
38)	4-Chloroaniline	8.009	65	186061	26.590	ug/ml	78
39)	Hexachlorobutadiene	8.083	225	344607	25.511	ug/ml	99
40)	p-Chloro-m-cresol	8.528	107	425973	28.517	ug/ml	95
41)	2-Methylnaphthalene	8.646	142	948707	25.663	ug/ml	96
42)	1-Methylnaphthalene	8.742	115	350172	25.012	ug/ml	97
43)	Hexachlorocyclopentadiene	8.814	237	386531	27.145	ug/ml	98
44)	2,4,6-Trichlorophenol	8.938	196	354598	28.282	ug/ml	99
45)	2,4,5-Trichlorophenol	8.966	196	384407	28.612	ug/ml	99
47)	2-Chloronaphthalene	9.125	162	1058706	24.676	ug/ml	95
48)	2-Nitroaniline	9.240	138	277251	29.866	ug/ml	84
49)	1,4-Dinitrobenzene	9.386	168	132989	29.471	ug/ml#	70
50)	1,3-Dinitrobenzene	9.457	168	157123	28.989	ug/ml#	1
51)	Dimethyl phthalate	9.454	163	1131927	25.194	ug/ml#	99
52)	Acenaphthylene	9.529	152	1672894	26.028	ug/ml	97
53)	2,6-Dinitrotoluene	9.494	165	227567	29.653	ug/ml#	78
54)	1,2-Dinitrobenzene	9.535	168	101270	29.076	ug/ml#	1
64)	3-Nitroaniline	9.647	138	237760	30.264	ug/ml	94
65)	Acenaphthene	9.703	154	948032	25.967	ug/ml	91
66)	2,4-Dinitrophenol	9.749	184	120083	25.621	ug/ml#	82
67)	Dibenzofuran	9.877	168	1489845	25.467	ug/ml	92
68)	2,4-Dinitrotoluene	9.883	165	303488	25.651	ug/ml	94
69)	4-Nitrophenol	9.827	65	173354	29.322	ug/ml#	82
70)	2,3,5,6-Tetrachlorophenol	9.961	232	290696	29.955	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL8.D
 Acq On : 26 Aug 2025 7:16 pm
 Operator : SV107:ljj
 Sample : IL3,32,,ABNL25 Lot# 11886
 Misc : WG2108478
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 16:38:04 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.001	232	278534	29.115	ug/ml	96
72)	Diethyl phthalate	10.150	149	1061772	26.001	ug/ml	98
73)	Fluorene	10.209	166	1159017	25.782	ug/ml	97
74)	4-Chlorophenyl phenyl ...	10.231	204	571499	24.910	ug/ml#	87
75)	4-Nitroaniline	10.240	138	223039	28.473	ug/ml#	81
76)	4,6-Dinitro-o-cresol	10.275	198	158487	25.557	ug/ml#	58
77)	NDPA/DPA	10.349	169	917407	25.868	ug/ml	92
78)	Azobenzene	10.383	77	963118	26.636	ug/ml#	92
80)	4-Bromophenyl phenyl e...	10.703	248	297122	24.332	ug/ml#	89
81)	Hexachlorobenzene	10.741	284	314080	24.648	ug/ml#	88
82)	Pentachlorophenol	10.937	266	194926	28.346	ug/ml	99
89)	Phenanthrene	11.139	178	1559697	25.290	ug/ml	99
90)	Anthracene	11.188	178	1577488	26.123	ug/ml	97
91)	Carbazole	11.356	167	1462800	27.889	ug/ml	98
92)	Di-n-butylphthalate	11.754	149	1747074	30.356	ug/ml	98
93)	Fluoranthene	12.298	202	1753217	26.764	ug/ml#	91
94)	Benzidine	12.456	184	1054693	25.286	ug/ml#	94
95)	Pyrene	12.515	202	1841964	26.489	ug/ml	99
97)	Butyl benzyl phthalate	13.249	149	683052	25.407	ug/ml	87
105)	Benzo(a)anthracene	13.762	228	1652022	26.687	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.765	252	573641	29.088	ug/ml#	97
107)	Chrysene	13.802	228	1505948	24.601	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.895	149	1036835	26.193	ug/ml#	96
109)	Di-n-octylphthalate	14.589	149	1633174	25.399	ug/ml#	74
110)	Benzo(b)fluoranthene	14.881	252	1422744	26.525	ug/ml#	95
111)	Benzo(k)fluoranthene	14.909	252	1413559	26.039	ug/ml#	94
112)	Benzo(a)pyrene	15.195	252	1384727	27.764	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	16.261	276	1409047	30.855	ug/mL	93
115)	Dibenzo(a,h)anthracene	16.286	278	1397348	29.461	ug/ml#	92
116)	Benzo(ghi)perylene	16.522	276	1388475	29.391	ug/ml#	90

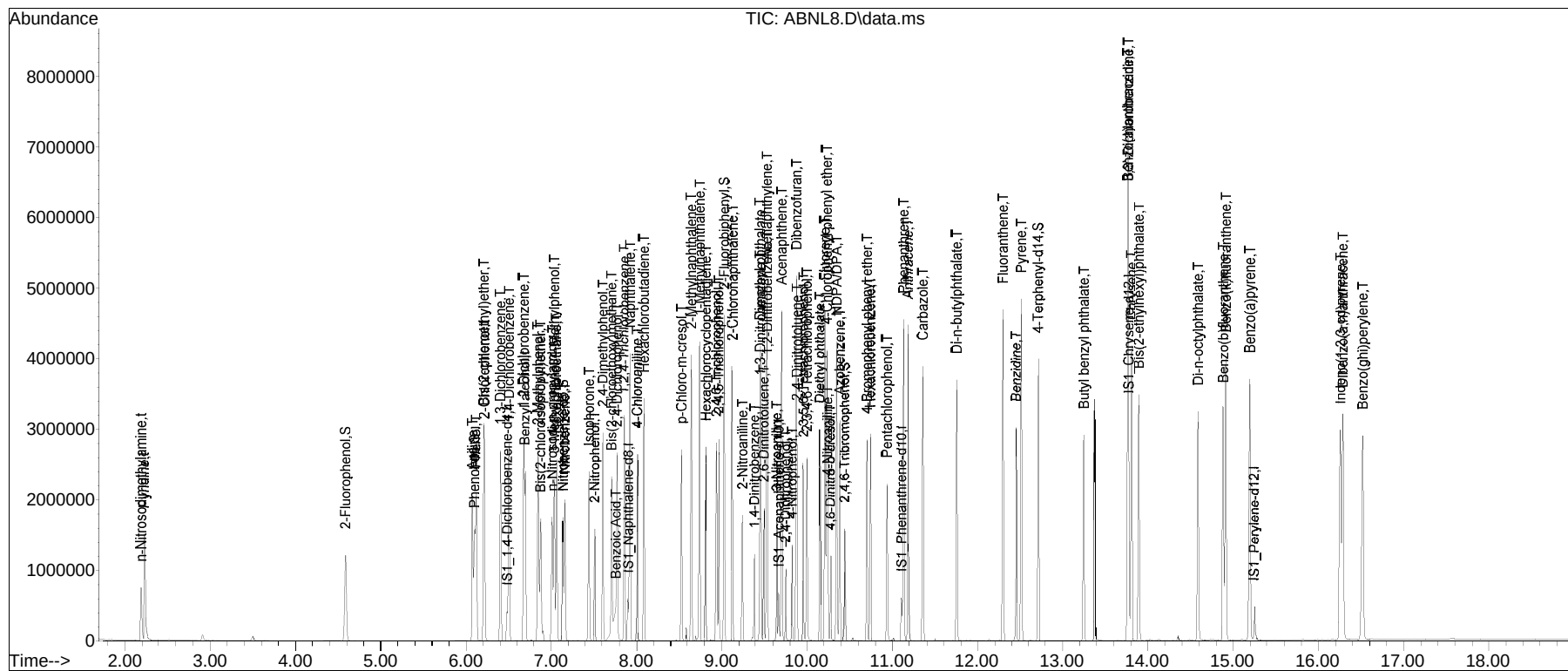
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
Data File : ABNL8.D
Acq On : 26 Aug 2025 7:16 pm
Operator : SV107:ljl
Sample : IL3,32,,ABNL25 Lot# 11886
Misc : WG2108478
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 16:38:04 2025
Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 27 17:27:22 2025
Response via : Initial Calibration

Sub List : ABNica\8270BBV10a\250026iscal\AP9L6a.D•



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL8.D Operator : SV107:ljpg
Date Inj'd : 8/26/2025 7:16 pm Instrument : SV107
Sample : IL3,32,,ABNL25 Lot# 11886 Quant Date : 8/28/2025 4:38 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL7.D
 Acq On : 26 Aug 2025 7:42 pm
 Operator : SV107:ljl
 Sample : IL4,32,,ABNL10 Lot# 11887
 Misc : WG2108478
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 16:37:56 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.483	152	67671	4.000	ug/ml	0.00
Standard Area 1 = 56159			Recovery =	120.50%		
35) IS1_Naphthalene-d8	7.903	136	249470	4.000	ug/ml	# 0.00
Standard Area 1 = 205165			Recovery =	121.59%		
63) IS1_Acenaphthene-d10	9.668	164	143255	4.000	ug/ml	0.00
Standard Area 1 = 119448			Recovery =	119.93%		
88) IS1_Phenanthrene-d10	11.114	188	250779	4.000	ug/ml	0.00
Standard Area 1 = 214039			Recovery =	117.17%		
104) IS1_Chrysene-d12	13.771	240	204673	4.000	ug/ml	0.00
Standard Area 1 = 186272			Recovery =	109.88%		
113) IS1_Perylene-d12	15.241	264	175599	4.000	ug/ml	0.00
Standard Area 1 = 167117			Recovery =	105.08%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.584	112	203334	11.647	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	582.35%#		
7) Phenol-d6	6.097	99	240276	11.197	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	559.85%#		
19) Nitrobenzene-d5	7.135	82	218521	11.017	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	1101.70%#		
46) 2-Fluorobiphenyl	9.028	172	553647	10.175	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	1017.50%#		
79) 2,4,6-Tribromophenol	10.439	330	62529	11.457	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	572.85%#		
96) 4-Terphenyl-d14	12.708	244	578685	10.669	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	1066.90%#		
Target Compounds						
2) n-Nitrosodimethylamine	2.193	74	131514	11.795	ug/ml#	73
3) Pyridine	2.231	79	241363	11.534	ug/ml#	63
5) Aniline	6.075	93	322718	11.276	ug/ml	98
6) 2-Chlorophenol	6.212	128	233211	11.227	ug/ml	91
8) Phenol	6.113	94	263099	11.011	ug/ml	95
9) Bis(2-chloroethyl)ether	6.206	93	210068	10.406	ug/ml#	84
10) 1,3-Dichlorobenzene	6.402	146	276853	10.504	ug/ml	97
11) 1,4-Dichlorobenzene	6.501	146	284735	10.574	ug/ml	97
12) 1,2-Dichlorobenzene	6.675	146	266756	10.321	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL7.D
 Acq On : 26 Aug 2025 7:42 pm
 Operator : SV107:ljl
 Sample : IL4,32,,ABNL10 Lot# 11887
 Misc : WG2108478
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 16:37:56 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.688	79	180343	11.482	ug/ml	98
14) Bis(2-chloroisopropyl)...	6.874	45	330649	10.469	ug/ml#	88
15) 2-Methylphenol	6.846	108	200007	11.363	ug/ml	98
16) Hexachloroethane	7.064	117	105240	10.644	ug/ml#	59
17) n-Nitrosodi-n-propylamine	7.008	70	154234	11.073	ug/ml	95
18) 3-Methylphenol/4-Methy...	7.033	108	210637	11.302	ug/ml	98
20) Nitrobenzene	7.154	77	221018	10.983	ug/ml	96
21) Isophorone	7.437	82	405807	11.113	ug/ml	98
22) 2-Nitrophenol	7.511	139	102554	12.260	ug/ml	88
23) 2,4-Dimethylphenol	7.608	107	215557	11.041	ug/ml	99
24) Bis(2-chloroethoxy)met...	7.707	93	258570	10.539	ug/ml	99
25) 2,4-Dichlorophenol	7.772	162	217109	11.554	ug/ml#	95
26) 1,2,4-Trichlorobenzene	7.856	180	254672	10.395	ug/ml	97
36) Naphthalene	7.925	128	676744	10.293	ug/ml	99
37) Benzoic Acid	7.723	105	123264	9.878	ug/ml	92
38) 4-Chloroaniline	8.009	65	81756	10.951	ug/ml	76
39) Hexachlorobutadiene	8.083	225	147780	10.254	ug/ml	98
40) p-Chloro-m-cresol	8.528	107	186578	11.707	ug/ml	98
41) 2-Methylnaphthalene	8.643	142	411661	10.437	ug/ml	95
42) 1-Methylnaphthalene	8.739	115	152460	10.206	ug/ml	97
43) Hexachlorocyclopentadiene	8.811	237	161953	10.660	ug/ml	97
44) 2,4,6-Trichlorophenol	8.938	196	157431	11.769	ug/ml	99
45) 2,4,5-Trichlorophenol	8.963	196	169919	11.854	ug/ml	100
47) 2-Chloronaphthalene	9.124	162	464558	10.148	ug/ml	95
48) 2-Nitroaniline	9.236	138	119378	12.053	ug/ml	85
49) 1,4-Dinitrobenzene	9.382	168	57083	11.856	ug/ml#	72
50) 1,3-Dinitrobenzene	9.451	168	67628	11.694	ug/ml#	1
51) Dimethyl phthalate	9.448	163	509869	10.636	ug/ml#	99
52) Acenaphthylene	9.525	152	741040	10.806	ug/ml	98
53) 2,6-Dinitrotoluene	9.491	165	100763	12.306	ug/ml#	79
54) 1,2-Dinitrobenzene	9.529	168	44491	11.972	ug/ml#	1
64) 3-Nitroaniline	9.640	138	107807	12.225	ug/ml	93
65) Acenaphthene	9.703	154	417012	10.175	ug/ml	91
66) 2,4-Dinitrophenol	9.746	184	49595	9.807	ug/ml#	83
67) Dibenzofuran	9.874	168	664630	10.121	ug/ml	91
68) 2,4-Dinitrotoluene	9.880	165	131371	10.065	ug/ml	96
69) 4-Nitrophenol	9.824	65	76872	11.583	ug/ml#	83
70) 2,3,5,6-Tetrachlorophenol	9.957	232	126330	11.597	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL7.D
 Acq On : 26 Aug 2025 7:42 pm
 Operator : SV107:ljl
 Sample : IL4,32,,ABNL10 Lot# 11887
 Misc : WG2108478
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 16:37:56 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.998	232	122632	11.419	ug/ml	95
72)	Diethyl phthalate	10.144	149	483460	10.547	ug/ml	98
73)	Fluorene	10.206	166	533150	10.565	ug/ml	96
74)	4-Chlorophenyl phenyl ...	10.231	204	260004	10.096	ug/ml#	87
75)	4-Nitroaniline	10.234	138	101970	11.596	ug/ml#	82
76)	4,6-Dinitro-o-cresol	10.271	198	67119	9.985	ug/ml#	59
77)	NDPA/DPA	10.346	169	432980	10.876	ug/ml	93
78)	Azobenzene	10.380	77	439345	10.824	ug/ml#	91
80)	4-Bromophenyl phenyl e...	10.703	248	139848	10.202	ug/ml#	87
81)	Hexachlorobenzene	10.741	284	144459	10.099	ug/ml#	88
82)	Pentachlorophenol	10.936	266	86830	11.248	ug/ml	98
89)	Phenanthrene	11.135	178	724733	10.085	ug/ml	98
90)	Anthracene	11.188	178	763524	10.851	ug/ml	98
91)	Carbazole	11.356	167	689198	11.276	ug/ml	98
92)	Di-n-butylphthalate	11.751	149	804115	11.990	ug/ml	99
93)	Fluoranthene	12.295	202	816784	10.701	ug/ml#	92
94)	Benzidine	12.453	184	475416	10.128	ug/ml#	94
95)	Pyrene	12.512	202	850341	10.494	ug/ml	99
97)	Butyl benzyl phthalate	13.246	149	303491	9.911	ug/ml	87
105)	Benzo(a)anthracene	13.762	228	764114	10.924	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.762	252	259726	11.655	ug/ml#	97
107)	Chrysene	13.799	228	702543	10.157	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.895	149	474092	10.703	ug/ml#	95
109)	Di-n-octylphthalate	14.589	149	743031	10.454	ug/ml#	73
110)	Benzo(b)fluoranthene	14.874	252	620685	10.241	ug/ml#	95
111)	Benzo(k)fluoranthene	14.902	252	654074	10.663	ug/ml#	94
112)	Benzo(a)pyrene	15.191	252	582534	10.336	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	16.248	276	556989	11.416	ug/mL#	93
115)	Dibenzo(a,h)anthracene	16.279	278	559126	11.034	ug/ml#	92
116)	Benzo(ghi)perylene	16.509	276	555206	11.000	ug/ml#	90

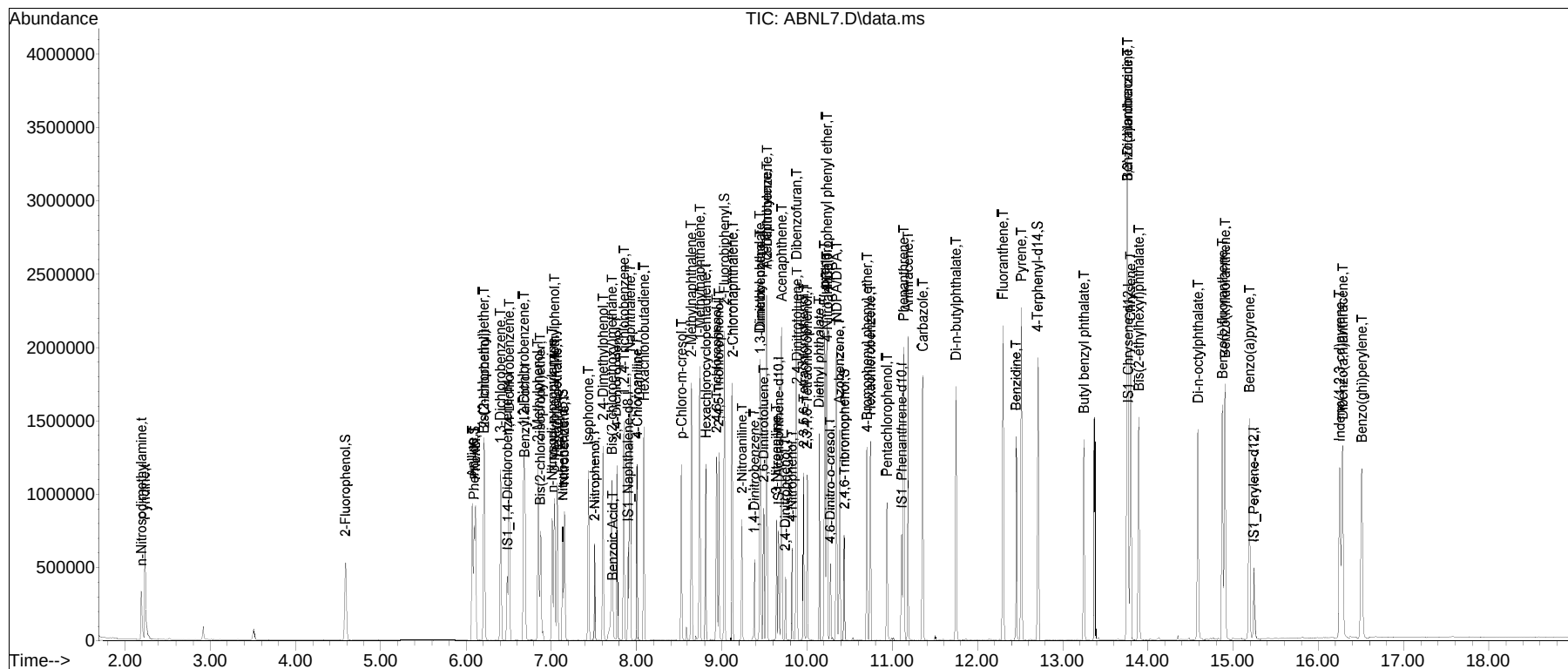
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
Data File : ABNL7.D
Acq On : 26 Aug 2025 7:42 pm
Operator : SV107:ljl
Sample : IL4,32,,ABNL10 Lot# 11887
Misc : WG2108478
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 16:37:56 2025
Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 27 17:27:22 2025
Response via : Initial Calibration

Sub List : ABNica\8270BBV10a\250026iscal\AP9L6a.D•



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL7.D Operator : SV107:ljpg
Date Inj'd : 8/26/2025 7:42 pm Instrument : SV107
Sample : IL4,32,,ABNL10 Lot# 11887 Quant Date : 8/28/2025 4:38 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL6.D
 Acq On : 26 Aug 2025 8:07 pm
 Operator : SV107:ljj
 Sample : IL5,32,,ABNL5 Lot# 11888
 Misc : WG2108478
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 16:37:48 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.483	152	56159	4.000	ug/ml	0.00
Standard Area 1 = 56159			Recovery =	100.00%		
35) IS1_Naphthalene-d8	7.903	136	205165	4.000	ug/ml	0.00
Standard Area 1 = 205165			Recovery =	100.00%		
63) IS1_Acenaphthene-d10	9.668	164	119448	4.000	ug/ml	0.00
Standard Area 1 = 119448			Recovery =	100.00%		
88) IS1_Phenanthrene-d10	11.114	188	214039	4.000	ug/ml	0.00
Standard Area 1 = 214039			Recovery =	100.00%		
104) IS1_Chrysene-d12	13.768	240	186272	4.000	ug/ml	# 0.00
Standard Area 1 = 186272			Recovery =	100.00%		
113) IS1_Perylene-d12	15.248	264	167117	4.000	ug/ml	0.00
Standard Area 1 = 167117			Recovery =	100.00%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.577	112	76669	5.292	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	264.60%#		
7) Phenol-d6	6.094	99	94930	5.330	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	266.50%#		
19) Nitrobenzene-d5	7.132	82	84725	5.147	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	514.70%#		
46) 2-Fluorobiphenyl	9.028	172	219711	4.910	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	491.00%#		
79) 2,4,6-Tribromophenol	10.439	330	24646	5.416	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	270.80%#		
96) 4-Terphenyl-d14	12.711	244	236149	5.101	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	510.10%#		
Target Compounds						
2) n-Nitrosodimethylamine	2.184	74	50902	5.501	ug/ml#	72
3) Pyridine	2.231	79	88752	5.110	ug/ml#	61
5) Aniline	6.075	93	127510	5.369	ug/ml	98
6) 2-Chlorophenol	6.212	128	89690	5.203	ug/ml	91
8) Phenol	6.110	94	102402	5.164	ug/ml	95
9) Bis(2-chloroethyl)ether	6.203	93	82688	4.936	ug/ml	86
10) 1,3-Dichlorobenzene	6.402	146	108973	4.982	ug/ml	96
11) 1,4-Dichlorobenzene	6.501	146	110531	4.946	ug/ml	97
12) 1,2-Dichlorobenzene	6.672	146	105699	4.928	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL6.D
 Acq On : 26 Aug 2025 8:07 pm
 Operator : SV107:ljl
 Sample : IL5,32,,ABNL5 Lot# 11888
 Misc : WG2108478
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 16:37:48 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.685	79	68133	5.227	ug/ml	97
14) Bis(2-chloroisopropyl)...	6.874	45	130872	4.993	ug/ml#	88
15) 2-Methylphenol	6.846	108	75668	5.180	ug/ml	99
16) Hexachloroethane	7.064	117	41004	4.997	ug/ml#	57
17) n-Nitrosodi-n-propylamine	7.008	70	59962	5.187	ug/ml	96
18) 3-Methylphenol/4-Methy...	7.033	108	82047	5.305	ug/ml	98
20) Nitrobenzene	7.154	77	84586	5.065	ug/ml	97
21) Isophorone	7.437	82	156556	5.166	ug/ml	99
22) 2-Nitrophenol	7.508	139	36676	5.283	ug/ml	89
23) 2,4-Dimethylphenol	7.605	107	85441	5.274	ug/ml	99
24) Bis(2-chloroethoxy)met...	7.707	93	102267	5.023	ug/ml	99
25) 2,4-Dichlorophenol	7.773	162	83770	5.372	ug/ml#	92
26) 1,2,4-Trichlorobenzene	7.853	180	99042	4.871	ug/ml	97
36) Naphthalene	7.925	128	265805	4.916	ug/ml	99
37) Benzoic Acid	7.692	105	42433M2	4.812	ug/ml	
38) 4-Chloroaniline	8.006	65	31713	5.165	ug/ml	78
39) Hexachlorobutadiene	8.083	225	56863	4.797	ug/ml	98
40) p-Chloro-m-cresol	8.528	107	69281	5.286	ug/ml	95
41) 2-Methylnaphthalene	8.643	142	163733	5.048	ug/ml	95
42) 1-Methylnaphthalene	8.739	115	61413	4.999	ug/ml	96
43) Hexachlorocyclopentadiene	8.811	237	62824	5.028	ug/ml	98
44) 2,4,6-Trichlorophenol	8.935	196	60818	5.528	ug/ml	99
45) 2,4,5-Trichlorophenol	8.963	196	62871	5.333	ug/ml	99
47) 2-Chloronaphthalene	9.121	162	185649	4.931	ug/ml	95
48) 2-Nitroaniline	9.233	138	42984	5.277	ug/ml	87
49) 1,4-Dinitrobenzene	9.379	168	20349	5.139	ug/ml#	74
50) 1,3-Dinitrobenzene	9.451	168	24905	5.237	ug/ml#	1
51) Dimethyl phthalate	9.445	163	202361	5.133	ug/ml#	99
52) Acenaphthylene	9.525	152	287890	5.105	ug/ml	98
53) 2,6-Dinitrotoluene	9.488	165	38332	5.692	ug/ml#	79
54) 1,2-Dinitrobenzene	9.525	168	16360	5.353	ug/ml#	1
64) 3-Nitroaniline	9.640	138	40814	5.550	ug/ml	96
65) Acenaphthene	9.700	154	164358	4.810	ug/ml	92
66) 2,4-Dinitrophenol	9.743	184	17486	4.495	ug/ml#	84
67) Dibenzofuran	9.874	168	268216	4.898	ug/ml	92
68) 2,4-Dinitrotoluene	9.877	165	50585	4.800	ug/ml	95
69) 4-Nitrophenol	9.821	65	29800	5.385	ug/ml#	87
70) 2,3,5,6-Tetrachlorophenol	9.958	232	48922	5.386	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL6.D
 Acq On : 26 Aug 2025 8:07 pm
 Operator : SV107:ljl
 Sample : IL5,32,,ABNL5 Lot# 11888
 Misc : WG2108478
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 16:37:48 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.998	232	48290	5.393	ug/ml	96
72)	Diethyl phthalate	10.144	149	193505	5.063	ug/ml	98
73)	Fluorene	10.206	166	211473	5.026	ug/ml	97
74)	4-Chlorophenyl phenyl ...	10.228	204	103978	4.842	ug/ml#	87
75)	4-Nitroaniline	10.231	138	37480	5.112	ug/ml#	83
76)	4,6-Dinitro-o-cresol	10.268	198	24100	4.613	ug/ml#	62
77)	NDPA/DPA	10.346	169	171388	5.163	ug/ml	92
78)	Azobenzene	10.380	77	173724	5.133	ug/ml#	91
80)	4-Bromophenyl phenyl e...	10.703	248	56536	4.946	ug/ml#	87
81)	Hexachlorobenzene	10.741	284	57516	4.822	ug/ml#	87
82)	Pentachlorophenol	10.937	266	32897	5.111	ug/ml	98
89)	Phenanthrene	11.136	178	299957	4.890	ug/ml	99
90)	Anthracene	11.185	178	300270	5.000	ug/ml	98
91)	Carbazole	11.356	167	273715	5.247	ug/ml	98
92)	Di-n-butylphthalate	11.754	149	304597	5.322	ug/ml	99
93)	Fluoranthene	12.295	202	337456	5.180	ug/ml#	91
94)	Benzidine	12.453	184	182841	4.874	ug/ml#	94
95)	Pyrene	12.512	202	359689	5.201	ug/ml	100
97)	Butyl benzyl phthalate	13.249	149	110233	4.425	ug/ml	89
105)	Benzo(a)anthracene	13.759	228	315613	4.958	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.762	252	103008	5.079	ug/ml#	97
107)	Chrysene	13.796	228	304705	4.840	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.899	149	181465	4.603	ug/ml#	95
109)	Di-n-octylphthalate	14.589	149	271942	4.432	ug/ml#	74
110)	Benzo(b)fluoranthene	14.878	252	269268	4.882	ug/ml#	94
111)	Benzo(k)fluoranthene	14.903	252	282142M3	5.054	ug/ml	
112)	Benzo(a)pyrene	15.192	252	253682	4.946	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	16.258	276	246116	5.301	ug/mL#	92
115)	Dibenzo(a,h)anthracene	16.286	278	256110	5.311	ug/ml#	91
116)	Benzo(ghi)perylene	16.519	276	258383	5.379	ug/ml#	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

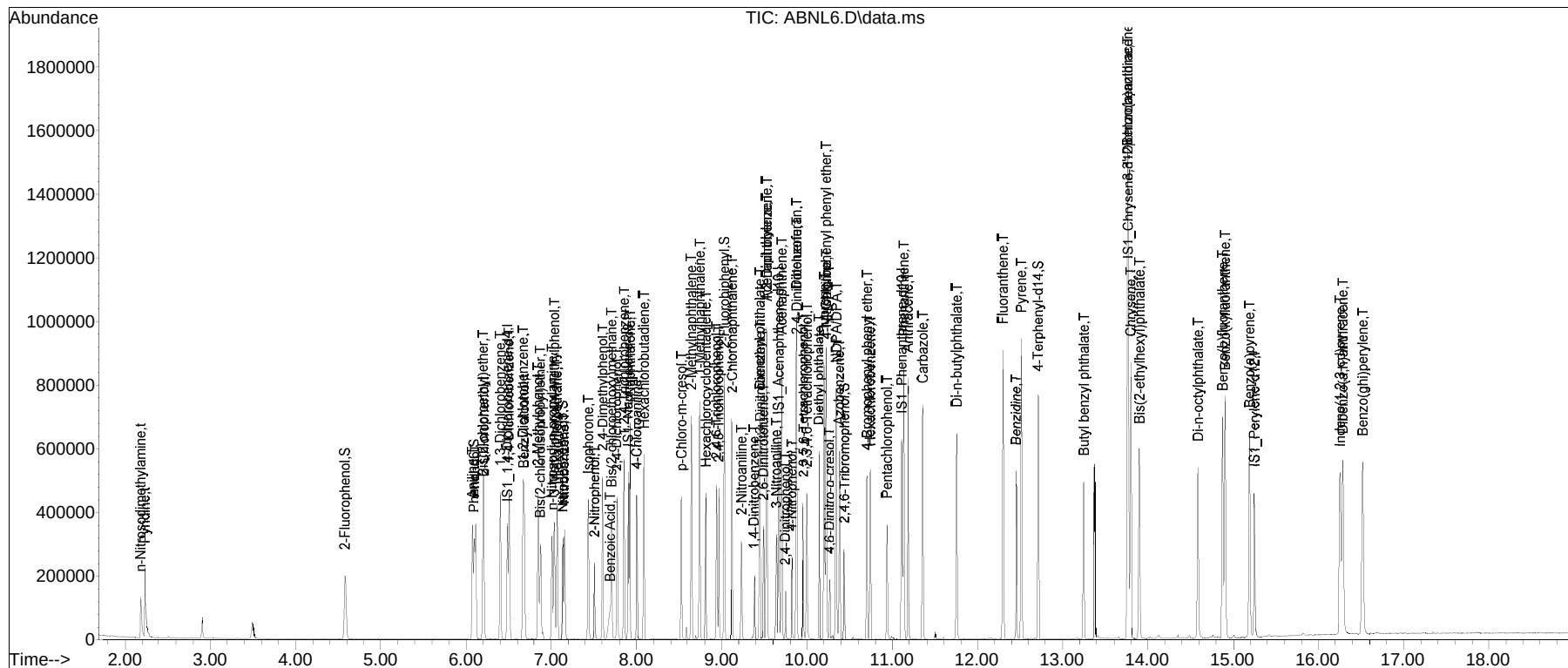
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Data Path   : I:\8270\SV107\250826ical\
Data File   : ABNL6.D
Acq On      : 26 Aug 2025    8:07 pm
Operator    : SV107:ljl
Sample      : IL5,32,,ABNL5 Lot# 11888
Misc        : WG2108478
ALS Vial    : 4      Sample Multiplier: 1

```

Quant Time: Aug 28 16:37:48 2025
Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 27 17:27:22 2025
Response via : Initial Calibration

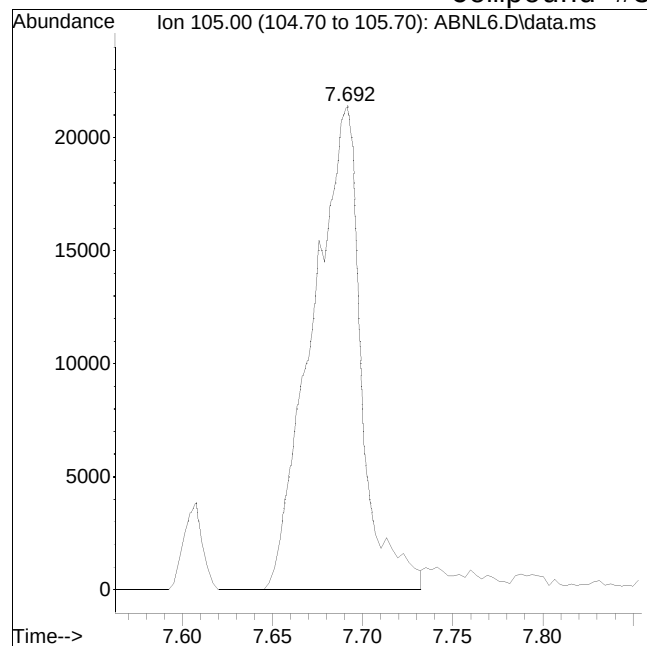
Sub List : ABNica\827ABSV10a\250B26sca\AP9L6a.D•



Manual Integration Report

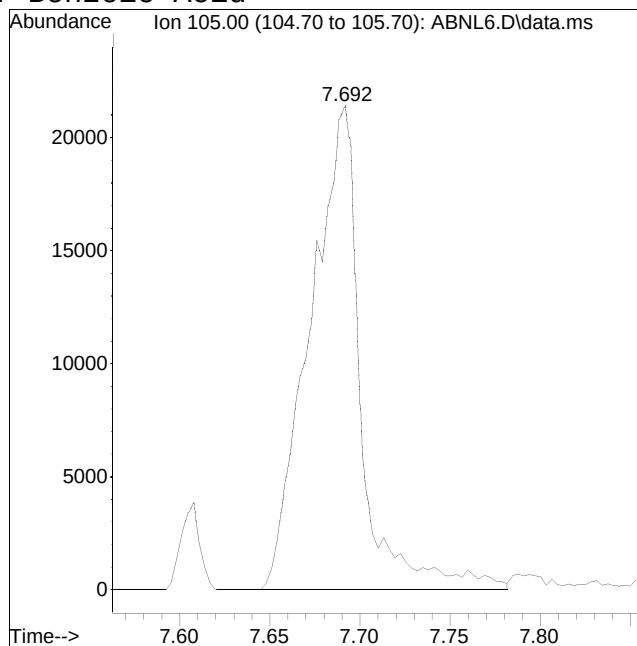
Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL6.D Operator : SV107:ljg
Date Inj'd : 8/26/2025 8:07 pm Instrument : SV107
Sample : IL5,32,,ABNL5 Lot# 11888 Quant Date : 8/28/2025 4:38 pm

Compound #37: Benzoic Acid



Original Peak Response = 40463

M2 = Peak not found by automatic integration algorithm.

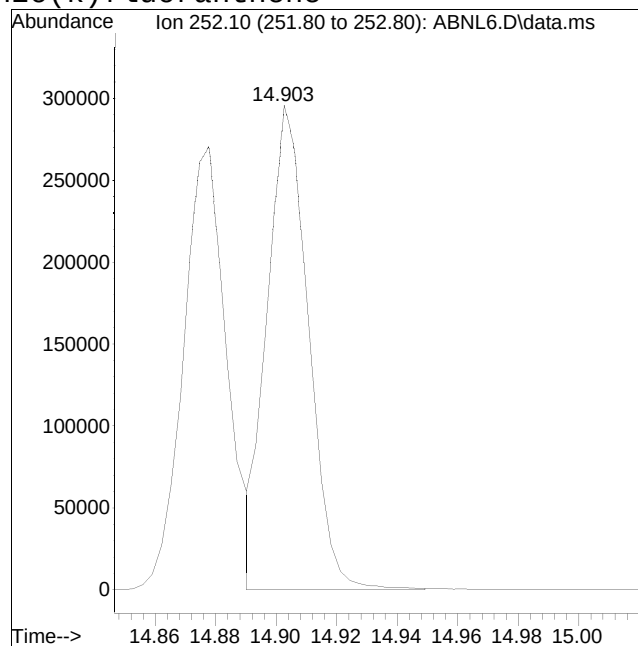
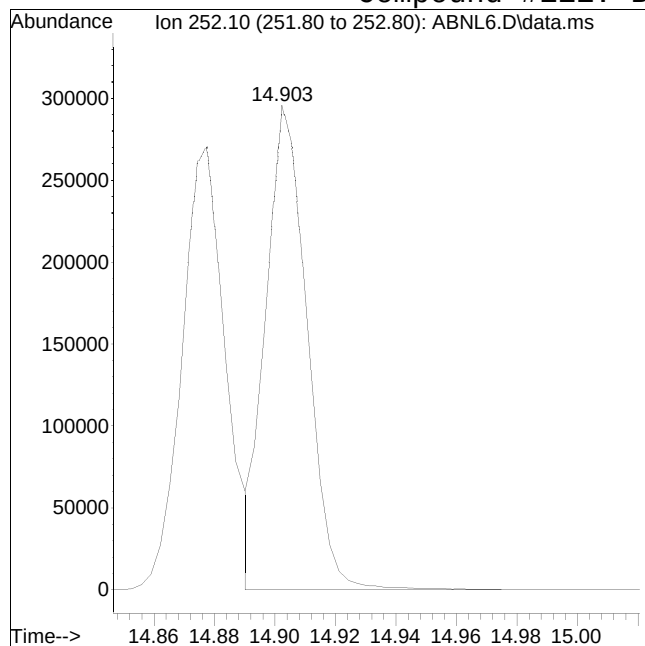


Manual Peak Response = 42433 M2

Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL6.D Operator : SV107:ljj
Date Inj'd : 8/26/2025 8:07 pm Instrument : SV107
Sample : IL5,32,,ABNL5 Lot# 11888 Quant Date : 8/28/2025 4:38 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 282341

Manual Peak Response = 282142 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL5.D
 Acq On : 26 Aug 2025 8:32 pm
 Operator : SV107:ljl
 Sample : IL6,32,,ABNL2.5 Lot# 11889
 Misc : WG2108478
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 16:37:40 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.480	152	58942	4.000	ug/ml	0.00
Standard Area 1 = 56159			Recovery =	104.96%		
35) IS1_Naphthalene-d8	7.903	136	219266	4.000	ug/ml	0.00
Standard Area 1 = 205165			Recovery =	106.87%		
63) IS1_Acenaphthene-d10	9.668	164	121885	4.000	ug/ml	0.00
Standard Area 1 = 119448			Recovery =	102.04%		
88) IS1_Phenanthrene-d10	11.114	188	219243	4.000	ug/ml	0.00
Standard Area 1 = 214039			Recovery =	102.43%		
104) IS1_Chrysene-d12	13.768	240	184891	4.000	ug/ml	0.00
Standard Area 1 = 186272			Recovery =	99.26%		
113) IS1_Perylene-d12	15.251	264	162161	4.000	ug/ml	0.00
Standard Area 1 = 167117			Recovery =	97.03%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.580	112	39684	2.610	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	130.50%#		
7) Phenol-d6	6.094	99	49086	2.626	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	131.30%#		
19) Nitrobenzene-d5	7.132	82	43610	2.524	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	252.40%#		
46) 2-Fluorobiphenyl	9.028	172	119076	2.490	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	249.00%#		
79) 2,4,6-Tribromophenol	10.439	330	11664	2.512	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	125.60%#		
96) 4-Terphenyl-d14	12.708	244	113644	2.397	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	239.70%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.190	74	26384	2.717	ug/ml#	75
3) Pyridine	2.237	79	47122M1	2.585	ug/ml	
5) Aniline	6.075	93	65381	2.623	ug/ml	99
6) 2-Chlorophenol	6.209	128	46341	2.561	ug/ml	92
8) Phenol	6.110	94	54404	2.614	ug/ml	94
9) Bis(2-chloroethyl)ether	6.203	93	43822	2.492	ug/ml#	85
10) 1,3-Dichlorobenzene	6.402	146	57606	2.509	ug/ml	97
11) 1,4-Dichlorobenzene	6.501	146	59179	2.523	ug/ml	97
12) 1,2-Dichlorobenzene	6.672	146	55404	2.461	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL5.D
 Acq On : 26 Aug 2025 8:32 pm
 Operator : SV107:ljb
 Sample : IL6,32,,ABNL2.5 Lot# 11889
 Misc : WG2108478
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 16:37:40 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	6.685	79	34604	2.529	ug/ml	98
14)	Bis(2-chloroisopropyl)...	6.874	45	68038	2.473	ug/ml#	87
15)	2-Methylphenol	6.846	108	40193	2.622	ug/ml	99
16)	Hexachloroethane	7.064	117	21826	2.534	ug/ml#	63
17)	n-Nitrosodi-n-propylamine	7.005	70	29814	2.457	ug/ml	96
18)	3-Methylphenol/4-Methy...	7.030	108	42176	2.598	ug/ml	97
20)	Nitrobenzene	7.154	77	43993	2.510	ug/ml	98
21)	Isophorone	7.437	82	81075	2.549	ug/ml	99
22)	2-Nitrophenol	7.508	139	18233	2.503	ug/ml#	88
23)	2,4-Dimethylphenol	7.608	107	44267	2.603	ug/ml	100
24)	Bis(2-chloroethoxy)met...	7.707	93	54206	2.537	ug/ml	99
25)	2,4-Dichlorophenol	7.773	162	42487	2.596	ug/ml	94
26)	1,2,4-Trichlorobenzene	7.856	180	53508	2.508	ug/ml	97
36)	Naphthalene	7.925	128	142301	2.462	ug/ml	99
37)	Benzoic Acid	7.676	105	17604	2.581	ug/ml	92
38)	4-Chloroaniline	8.009	65	16886	2.573	ug/ml	80
39)	Hexachlorobutadiene	8.083	225	30707	2.424	ug/ml	98
40)	p-Chloro-m-cresol	8.528	107	36177	2.583	ug/ml	98
41)	2-Methylnaphthalene	8.643	142	85223	2.458	ug/ml	95
42)	1-Methylnaphthalene	8.739	115	32360	2.465	ug/ml	97
43)	Hexachlorocyclopentadiene	8.811	237	32798	2.456	ug/ml	97
44)	2,4,6-Trichlorophenol	8.935	196	29929	2.545	ug/ml	98
45)	2,4,5-Trichlorophenol	8.963	196	33426	2.653	ug/ml	98
47)	2-Chloronaphthalene	9.125	162	98804	2.456	ug/ml	95
48)	2-Nitroaniline	9.236	138	20912	2.402	ug/ml	87
49)	1,4-Dinitrobenzene	9.379	168	9584	2.265	ug/ml#	74
50)	1,3-Dinitrobenzene	9.451	168	11581	2.278	ug/ml#	1
51)	Dimethyl phthalate	9.445	163	102266	2.427	ug/ml#	99
52)	Acenaphthylene	9.525	152	150208	2.492	ug/ml	98
53)	2,6-Dinitrotoluene	9.488	165	17691	2.458	ug/ml#	83
54)	1,2-Dinitrobenzene	9.525	168	8287	2.537	ug/ml#	1
64)	3-Nitroaniline	9.637	138	20245	2.698	ug/ml	95
65)	Acenaphthene	9.700	154	85952	2.465	ug/ml	92
66)	2,4-Dinitrophenol	9.743	184	7958	2.339	ug/ml#	82
67)	Dibenzofuran	9.870	168	140722	2.519	ug/ml	92
68)	2,4-Dinitrotoluene	9.877	165	22833	2.280	ug/ml	94
69)	4-Nitrophenol	9.821	65	13522	2.395	ug/ml#	82
70)	2,3,5,6-Tetrachlorophenol	9.957	232	24020	2.592	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL5.D
 Acq On : 26 Aug 2025 8:32 pm
 Operator : SV107:ljl
 Sample : IL6,32,,ABNL2.5 Lot# 11889
 Misc : WG2108478
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 16:37:40 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.998	232	25141	2.751	ug/ml	97
72)	Diethyl phthalate	10.141	149	99135	2.542	ug/ml	98
73)	Fluorene	10.206	166	111141	2.589	ug/ml	98
74)	4-Chlorophenyl phenyl ...	10.228	204	54782	2.500	ug/ml#	88
75)	4-Nitroaniline	10.231	138	18767	2.508	ug/ml#	86
76)	4,6-Dinitro-o-cresol	10.265	198	10854	2.344	ug/ml#	63
77)	NDPA/DPA	10.343	169	86850	2.564	ug/ml	93
78)	Azobenzene	10.380	77	89337	2.587	ug/ml#	91
80)	4-Bromophenyl phenyl e...	10.700	248	29152	2.500	ug/ml#	84
81)	Hexachlorobenzene	10.738	284	30143	2.477	ug/ml#	89
82)	Pentachlorophenol	10.937	266	14355	2.186	ug/ml	97
89)	Phenanthrene	11.135	178	156308	2.488	ug/ml	98
90)	Anthracene	11.185	178	150823	2.452	ug/ml	98
91)	Carbazole	11.353	167	137695	2.577	ug/ml	98
92)	Di-n-butylphthalate	11.754	149	143628	2.450	ug/ml#	98
93)	Fluoranthene	12.295	202	164025	2.458	ug/ml#	92
94)	Benzidine	12.453	184	78836	2.379	ug/ml#	95
95)	Pyrene	12.512	202	178000	2.513	ug/ml	99
97)	Butyl benzyl phthalate	13.249	149	50740	2.187	ug/ml	87
105)	Benzo(a)anthracene	13.762	228	153694	2.432	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.762	252	46895	2.330	ug/ml#	97
107)	Chrysene	13.796	228	150562	2.410	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.899	149	78643	2.108	ug/ml#	96
109)	Di-n-octylphthalate	14.592	149	115577	2.116	ug/ml#	75
110)	Benzo(b)fluoranthene	14.881	252	130708	2.387	ug/ml#	94
111)	Benzo(k)fluoranthene	14.906	252	134976	2.436	ug/ml#	95
112)	Benzo(a)pyrene	15.195	252	120100	2.359	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	16.258	276	112644	2.500	ug/mL#	93
115)	Dibenzo(a,h)anthracene	16.286	278	119471	2.553	ug/ml#	91
116)	Benzo(ghi)perylene	16.519	276	122102	2.620	ug/ml#	88

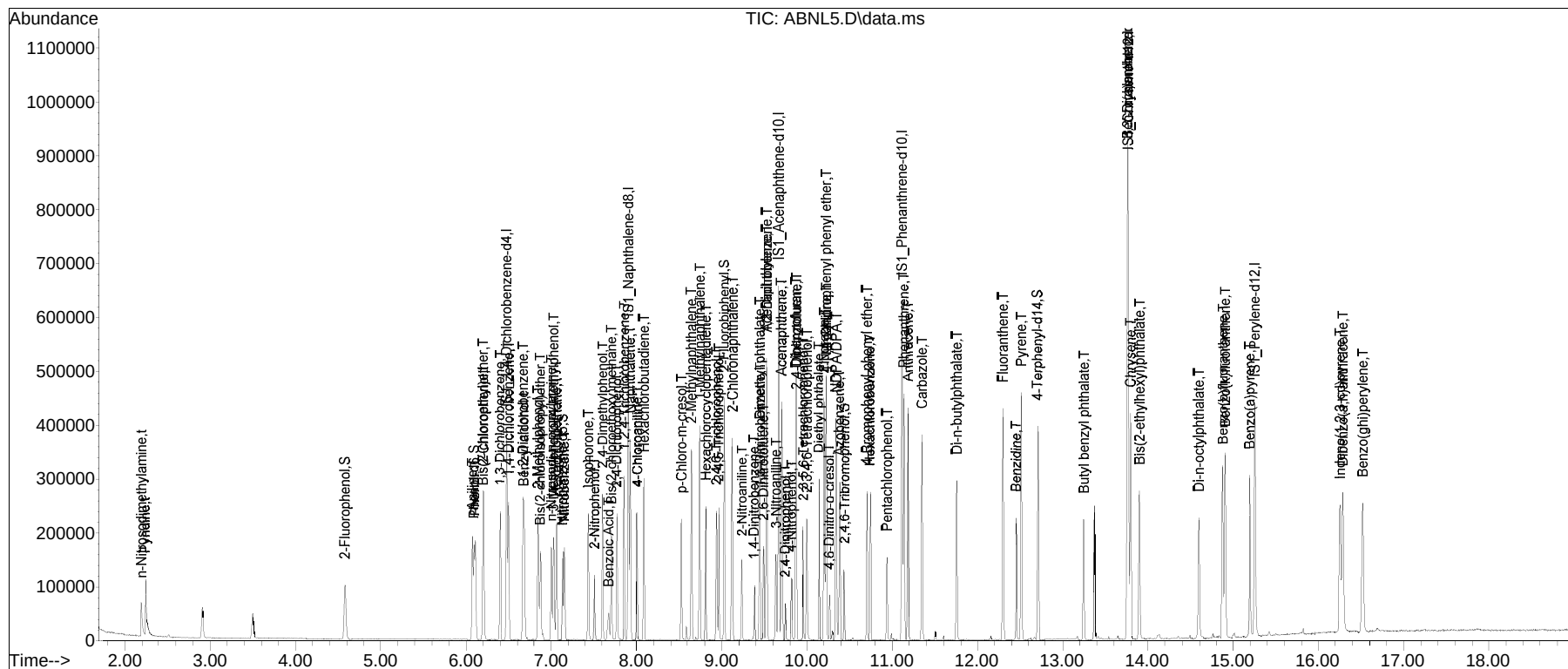
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
Data File : ABNL5.D
Acq On : 26 Aug 2025 8:32 pm
Operator : SV107:ljj
Sample : IL6,32,,ABNL2.5 Lot# 11889
Misc : WG2108478
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 16:37:40 2025
Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 27 17:27:22 2025
Response via : Initial Calibration

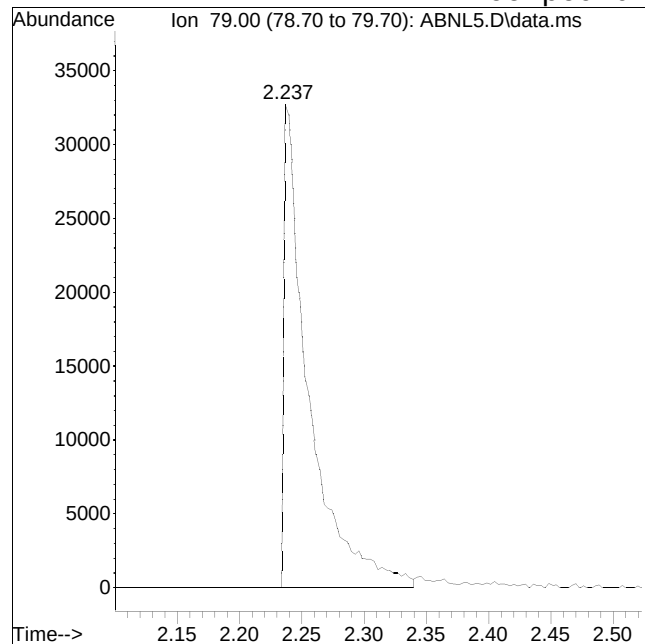
Sub List : ABNica\8270ABSV10a\1250026iscal\AP9L6a.D•



Manual Integration Report

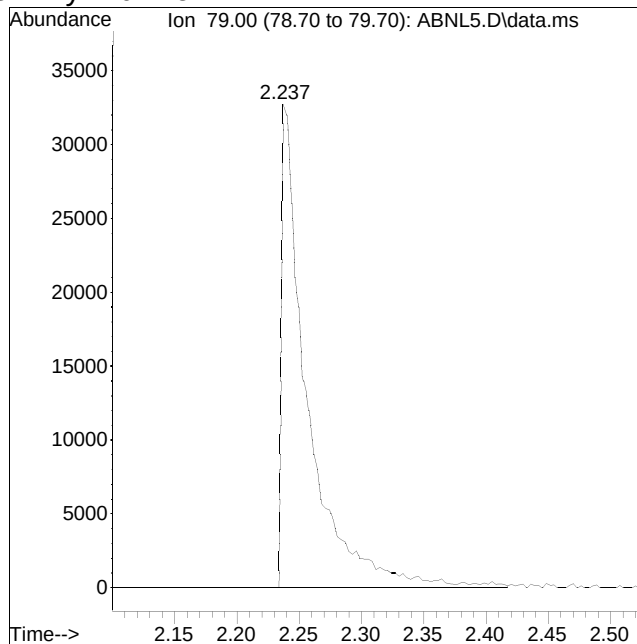
Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL5.D Operator : SV107:ljb
Date Inj'd : 8/26/2025 8:32 pm Instrument : SV107
Sample : IL6,32,,ABNL2.5 Lot# 11889 Quant Date : 8/28/2025 4:38 pm

Compound #3: Pyridine



Original Peak Response = 45352

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 47122 M1

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL4.D
 Acq On : 26 Aug 2025 8:58 pm
 Operator : SV107:ljl
 Sample : IL7,32,,ABNL1 Lot# 11890
 Misc : WG2108478
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 16:37:33 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.480	152	59515	4.000	ug/ml	0.00
Standard Area 1 = 56159			Recovery =	105.98%		
35) IS1_Naphthalene-d8	7.903	136	220086	4.000	ug/ml	# 0.00
Standard Area 1 = 205165			Recovery =	107.27%		
63) IS1_Acenaphthene-d10	9.668	164	126130	4.000	ug/ml	0.00
Standard Area 1 = 119448			Recovery =	105.59%		
88) IS1_Phenanthrene-d10	11.114	188	234875	4.000	ug/ml	0.00
Standard Area 1 = 214039			Recovery =	109.73%		
104) IS1_Chrysene-d12	13.768	240	185560	4.000	ug/ml	# 0.00
Standard Area 1 = 186272			Recovery =	99.62%		
113) IS1_Perylene-d12	15.241	264	174668	4.000	ug/ml	0.00
Standard Area 1 = 167117			Recovery =	104.52%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.577	112	14784	0.963	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.15%		
7) Phenol-d6	6.094	99	18393	0.975	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.75%		
19) Nitrobenzene-d5	7.132	82	16570	0.950	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	95.00%		
46) 2-Fluorobiphenyl	9.028	172	47670	0.993	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	99.30%		
79) 2,4,6-Tribromophenol	10.436	330	4316	0.898	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	44.90%		
96) 4-Terphenyl-d14	12.708	244	46459	0.915	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	91.50%		
Target Compounds						
2) n-Nitrosodimethylamine	2.197	74	9429	0.962	ug/ml#	68
3) Pyridine	2.253	79	17055M1	0.927	ug/ml	
5) Aniline	6.075	93	24142	0.959	ug/ml	98
6) 2-Chlorophenol	6.209	128	17073	0.935	ug/ml	92
8) Phenol	6.110	94	19892	0.947	ug/ml	99
9) Bis(2-chloroethyl)ether	6.206	93	17089	0.963	ug/ml#	85
10) 1,3-Dichlorobenzene	6.402	146	21762	0.939	ug/ml	95
11) 1,4-Dichlorobenzene	6.501	146	22783	0.962	ug/ml	98
12) 1,2-Dichlorobenzene	6.672	146	21607	0.951	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL4.D
 Acq On : 26 Aug 2025 8:58 pm
 Operator : SV107:ljj
 Sample : IL7,32,,ABNL1 Lot# 11890
 Misc : WG2108478
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 16:37:33 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.685	79	13192	0.955	ug/ml	99
14) Bis(2-chloroisopropyl)...	6.871	45	27266	0.982	ug/ml#	88
15) 2-Methylphenol	6.846	108	15091	0.975	ug/ml	98
16) Hexachloroethane	7.064	117	8126	0.935	ug/ml#	57
17) n-Nitrosodi-n-propylamine	7.005	70	12020	0.981	ug/ml	94
18) 3-Methylphenol/4-Methy...	7.033	108	15807	0.964	ug/ml	98
20) Nitrobenzene	7.154	77	16792	0.949	ug/ml	99
21) Isophorone	7.434	82	31398	0.978	ug/ml	98
22) 2-Nitrophenol	7.508	139	6614	0.899	ug/ml#	88
23) 2,4-Dimethylphenol	7.605	107	16571	0.965	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.707	93	21668	1.004	ug/ml#	98
25) 2,4-Dichlorophenol	7.773	162	16364	0.990	ug/ml	93
26) 1,2,4-Trichlorobenzene	7.856	180	20681	0.960	ug/ml	98
36) Naphthalene	7.925	128	56780	0.979	ug/ml	99
37) Benzoic Acid	7.661	105	6150M1	1.658	ug/ml	
38) 4-Chloroaniline	8.009	65	6492	0.986	ug/ml	82
39) Hexachlorobutadiene	8.083	225	12295	0.967	ug/ml	98
40) p-Chloro-m-cresol	8.528	107	13431	0.955	ug/ml	98
41) 2-Methylnaphthalene	8.643	142	34246	0.984	ug/ml	96
42) 1-Methylnaphthalene	8.739	115	13009	0.987	ug/ml	95
43) Hexachlorocyclopentadiene	8.811	237	12483	0.931	ug/ml	97
44) 2,4,6-Trichlorophenol	8.935	196	11022	0.934	ug/ml	98
45) 2,4,5-Trichlorophenol	8.963	196	12186	0.964	ug/ml	99
47) 2-Chloronaphthalene	9.125	162	39666	0.982	ug/ml	94
48) 2-Nitroaniline	9.233	138	7435	0.851	ug/ml	88
49) 1,4-Dinitrobenzene	9.379	168	3433	0.808	ug/ml	77
50) 1,3-Dinitrobenzene	9.451	168	4073	0.798	ug/ml#	1
51) Dimethyl phthalate	9.445	163	40887	0.967	ug/ml	98
52) Acenaphthylene	9.525	152	58191	0.962	ug/ml	98
53) 2,6-Dinitrotoluene	9.488	165	6319	0.875	ug/ml#	86
54) 1,2-Dinitrobenzene	9.525	168	2852	0.870	ug/ml#	1
64) 3-Nitroaniline	9.637	138	7184	0.925	ug/ml	94
65) Acenaphthene	9.700	154	35446	0.982	ug/ml	93
66) 2,4-Dinitrophenol	9.743	184	2636	1.158	ug/ml#	82
67) Dibenzofuran	9.874	168	56850	0.983	ug/ml	91
68) 2,4-Dinitrotoluene	9.877	165	8134	0.970	ug/ml#	91
69) 4-Nitrophenol	9.818	65	4545	0.778	ug/ml#	82
70) 2,3,5,6-Tetrachlorophenol	9.958	232	8501	0.886	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL4.D
 Acq On : 26 Aug 2025 8:58 pm
 Operator : SV107:ljb
 Sample : IL7,32,,ABNL1 Lot# 11890
 Misc : WG2108478
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 16:37:33 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.998	232	9324	0.986	ug/ml	97
72)	Diethyl phthalate	10.141	149	39196	0.971	ug/ml	97
73)	Fluorene	10.206	166	44219	0.995	ug/ml	98
74)	4-Chlorophenyl phenyl ...	10.231	204	21703	0.957	ug/ml#	86
75)	4-Nitroaniline	10.228	138	6600	0.852	ug/ml#	88
76)	4,6-Dinitro-o-cresol	10.268	198	3578	1.122	ug/ml#	66
77)	NDPA/DPA	10.343	169	35069	1.000	ug/ml	93
78)	Azobenzene	10.380	77	34112	0.955	ug/ml#	91
80)	4-Bromophenyl phenyl e...	10.700	248	12063	0.999	ug/ml#	84
81)	Hexachlorobenzene	10.738	284	12118	0.962	ug/ml#	87
82)	Pentachlorophenol	10.937	266	4875	0.717	ug/ml	96
89)	Phenanthrene	11.135	178	65902	0.979	ug/ml	98
90)	Anthracene	11.185	178	61868	0.939	ug/ml	98
91)	Carbazole	11.353	167	54229	0.947	ug/ml	98
92)	Di-n-butylphthalate	11.754	149	55098	0.877	ug/ml	99
93)	Fluoranthene	12.295	202	66011	0.923	ug/ml#	91
94)	Benzidine	12.453	184	22751	1.054	ug/ml#	93
95)	Pyrene	12.512	202	69286	0.913	ug/ml	99
97)	Butyl benzyl phthalate	13.246	149	17253	0.940	ug/ml	89
105)	Benzo(a)anthracene	13.759	228	60029	0.947	ug/ml	100
106)	3,3'-Dichlorobenzidine	13.759	252	16378	0.811	ug/ml	98
107)	Chrysene	13.796	228	62337	0.994	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.895	149	26265	0.818	ug/ml#	97
109)	Di-n-octylphthalate	14.585	149	36602	0.928	ug/ml#	76
110)	Benzo(b)fluoranthene	14.871	252	50163	0.913	ug/ml#	93
111)	Benzo(k)fluoranthene	14.899	252	52734	0.948	ug/ml#	95
112)	Benzo(a)pyrene	15.185	252	47144	0.923	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	16.242	276	43987	0.906	ug/mL	92
115)	Dibenzo(a,h)anthracene	16.276	278	48125	0.955	ug/ml#	91
116)	Benzo(ghi)perylene	16.503	276	48116	0.958	ug/ml#	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

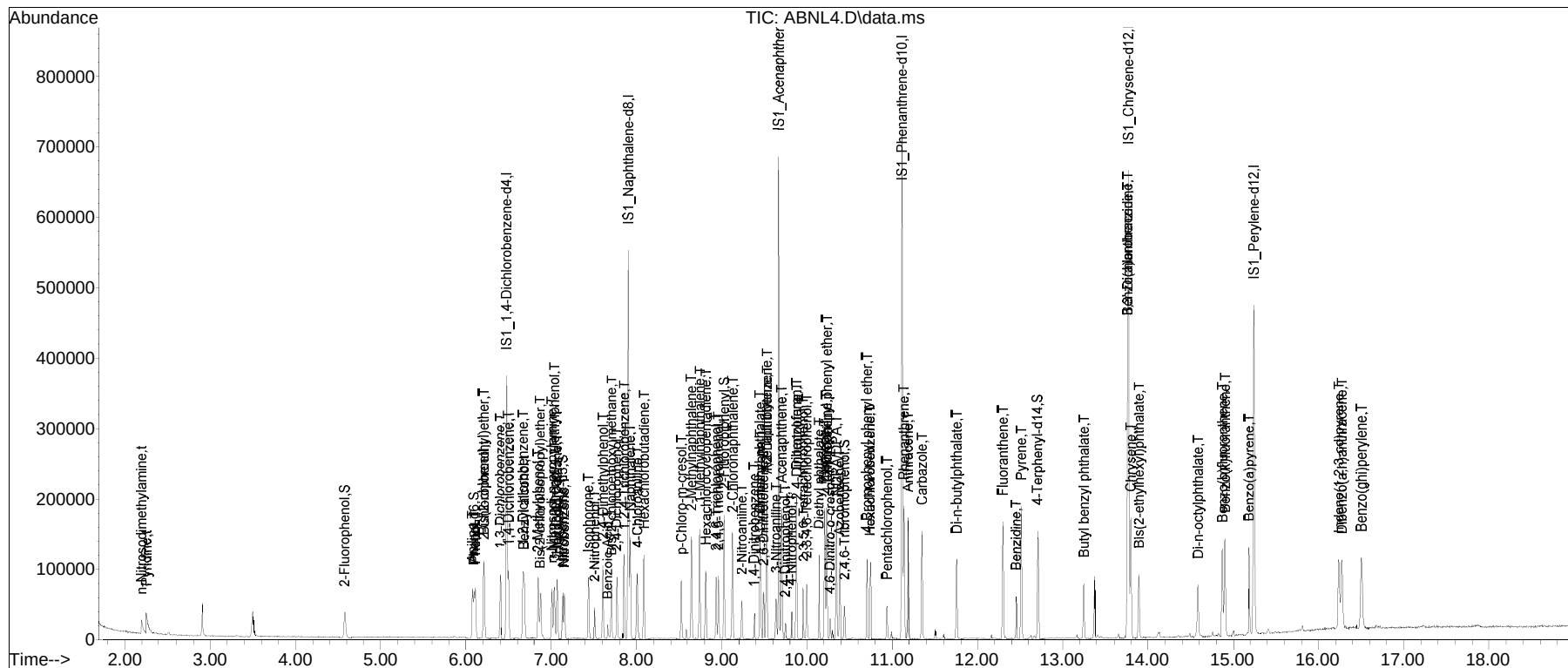
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Data Path   : I:\8270\SV107\250826ical\
Data File   : ABNL4.D
Acq On      : 26 Aug 2025    8:58 pm
Operator    : SV107:ljl
Sample      : IL7,32,,ABNL1 Lot# 11890
Misc        : WG2108478
ALS Vial    : 6    Sample Multiplier: 1

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Quant Time: Aug 28 16:37:33 2025
Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 27 17:27:22 2025
Response via : Initial Calibration

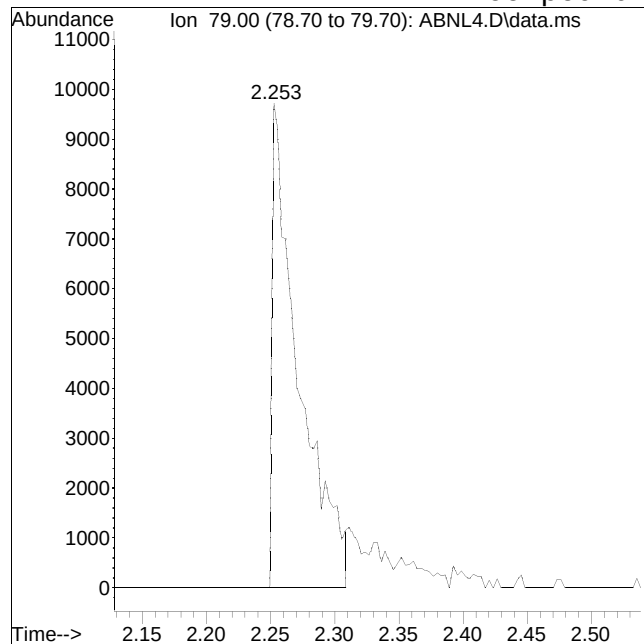
Sub List : ABNica\827ABSV10a\250B26sca\AP9L6a.D•



Manual Integration Report

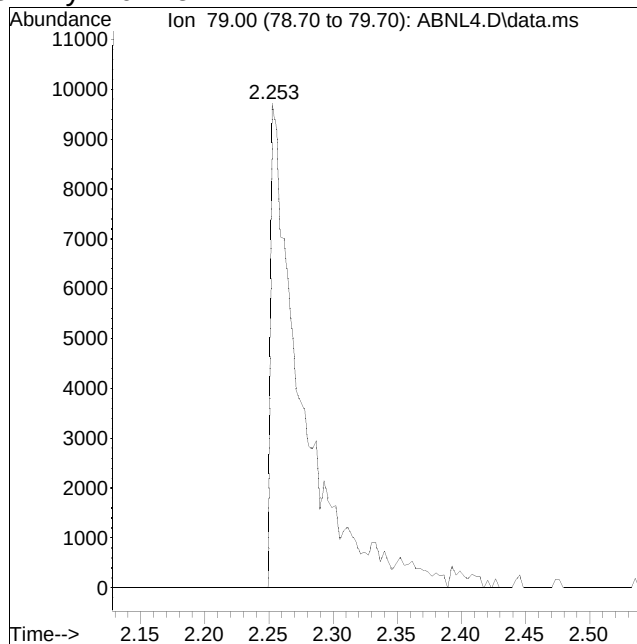
Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL4.D Operator : SV107:ljl
Date Inj'd : 8/26/2025 8:58 pm Instrument : SV107
Sample : IL7,32,,ABNL1 Lot# 11890 Quant Date : 8/28/2025 4:38 pm

Compound #3: Pyridine



Original Peak Response = 13939

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

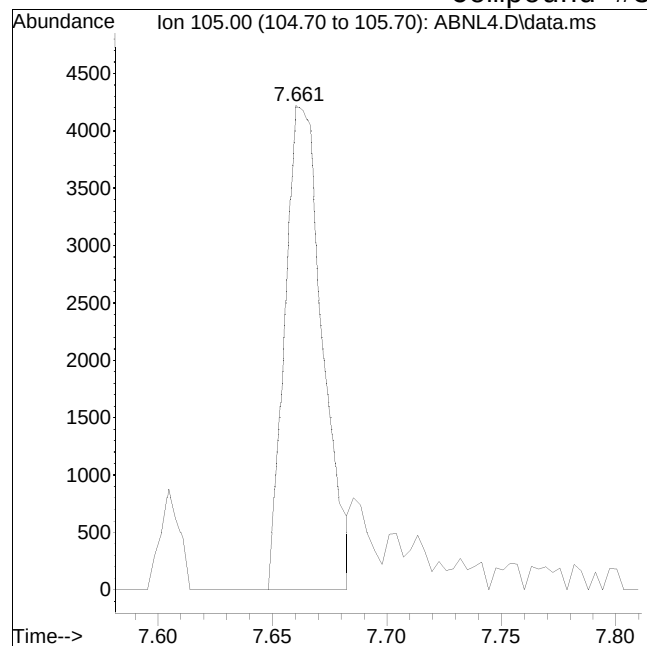


Manual Peak Response = 17055 M1

Manual Integration Report

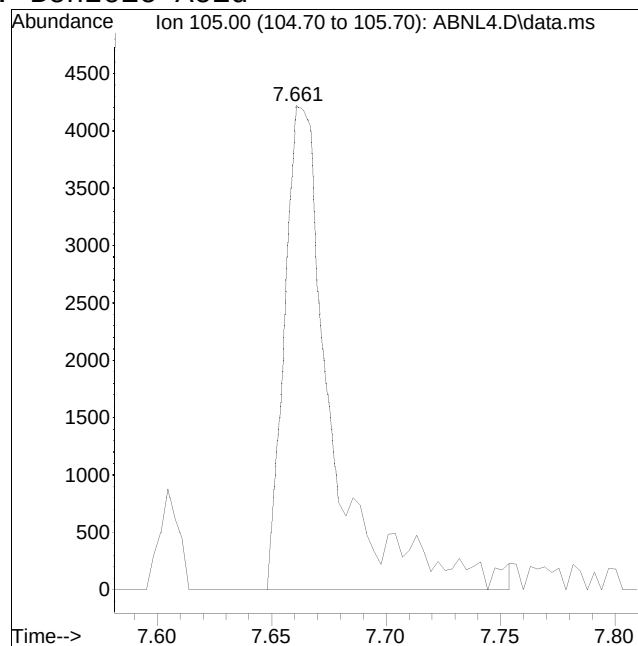
Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL4.D Operator : SV107:ljb
Date Inj'd : 8/26/2025 8:58 pm Instrument : SV107
Sample : IL7,32,,ABNL1 Lot# 11890 Quant Date : 8/28/2025 4:38 pm

Compound #37: Benzoic Acid



Original Peak Response = 4807

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 6150 M1

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL3.D
 Acq On : 26 Aug 2025 9:23 pm
 Operator : SV107:ljg
 Sample : IL8,32,,ABNL0.5 Lot# 11891
 Misc : WG2108478
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 16:37:25 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.483	152	57575	4.000	ug/ml	0.00
Standard Area 1 = 56159			Recovery =	102.52%		
35) IS1_Naphthalene-d8	7.903	136	216128	4.000	ug/ml	# 0.00
Standard Area 1 = 205165			Recovery =	105.34%		
63) IS1_Acenaphthene-d10	9.668	164	126101	4.000	ug/ml	0.00
Standard Area 1 = 119448			Recovery =	105.57%		
88) IS1_Phenanthrene-d10	11.114	188	238525	4.000	ug/ml	0.00
Standard Area 1 = 214039			Recovery =	111.44%		
104) IS1_Chrysene-d12	13.768	240	203421	4.000	ug/ml	0.00
Standard Area 1 = 186272			Recovery =	109.21%		
113) IS1_Perylene-d12	15.244	264	194775	4.000	ug/ml	0.00
Standard Area 1 = 167117			Recovery =	116.55%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.577	112	6842	0.461	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	23.05%		
7) Phenol-d6	6.094	99	8420	0.461	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	23.05%		
19) Nitrobenzene-d5	7.132	82	7920	0.469	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	46.90%		
46) 2-Fluorobiphenyl	9.028	172	23447	0.497	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	49.70%		
79) 2,4,6-Tribromophenol	10.439	330	2039	0.424	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	21.20%		
96) 4-Terphenyl-d14	12.708	244	24899	0.483	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	48.30%		
Target Compounds						
2) n-Nitrosodimethylamine	2.203	74	4419M1	0.466	ug/ml	
3) Pyridine	2.271	79	7928M1	0.445	ug/ml	
5) Aniline	6.075	93	10936	0.449	ug/ml	97
6) 2-Chlorophenol	6.209	128	7984	0.452	ug/ml	92
8) Phenol	6.110	94	9267	0.456	ug/ml	95
9) Bis(2-chloroethyl)ether	6.206	93	8375	0.488	ug/ml	90
10) 1,3-Dichlorobenzene	6.402	146	11093	0.495	ug/ml	95
11) 1,4-Dichlorobenzene	6.501	146	11069	0.483	ug/ml	98
12) 1,2-Dichlorobenzene	6.672	146	10426	0.474	ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL3.D
 Acq On : 26 Aug 2025 9:23 pm
 Operator : SV107:ljj
 Sample : IL8,32,,ABNL0.5 Lot# 11891
 Misc : WG2108478
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 16:37:25 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.688	79	5675	0.425	ug/ml	93
14) Bis(2-chloroisopropyl)...	6.874	45	12998	0.484	ug/ml#	84
15) 2-Methylphenol	6.846	108	7046	0.471	ug/ml	100
16) Hexachloroethane	7.064	117	4206	0.500	ug/ml#	66
17) n-Nitrosodi-n-propylamine	7.005	70	5652	0.477	ug/ml#	89
18) 3-Methylphenol/4-Methy...	7.033	108	7213	0.455	ug/ml	97
20) Nitrobenzene	7.154	77	7686	0.449	ug/ml	99
21) Isophorone	7.434	82	14393	0.463	ug/ml	99
22) 2-Nitrophenol	7.511	139	2918	0.410	ug/ml	89
23) 2,4-Dimethylphenol	7.608	107	7359	0.443	ug/ml	92
24) Bis(2-chloroethoxy)met...	7.707	93	10145	0.486	ug/ml#	96
25) 2,4-Dichlorophenol	7.772	162	7083	0.443	ug/ml#	94
26) 1,2,4-Trichlorobenzene	7.853	180	10376	0.498	ug/ml	97
36) Naphthalene	7.925	128	27464	0.482	ug/ml	99
37) Benzoic Acid	7.660	105	2159	1.342	ug/ml	93
38) 4-Chloroaniline	8.009	65	3161	0.489	ug/ml	86
39) Hexachlorobutadiene	8.083	225	6244	0.500	ug/ml	97
40) p-Chloro-m-cresol	8.525	107	6124	0.444	ug/ml	98
41) 2-Methylnaphthalene	8.643	142	16314	0.477	ug/ml	95
42) 1-Methylnaphthalene	8.739	115	6434	0.497	ug/ml	96
43) Hexachlorocyclopentadiene	8.810	237	6150	0.467	ug/ml	94
44) 2,4,6-Trichlorophenol	8.938	196	5189	0.448	ug/ml	95
45) 2,4,5-Trichlorophenol	8.963	196	5733	0.462	ug/ml	97
47) 2-Chloronaphthalene	9.121	162	19403	0.489	ug/ml	96
48) 2-Nitroaniline	9.233	138	3631	0.423	ug/ml	84
49) 1,4-Dinitrobenzene	9.382	168	1519	0.364	ug/ml	84
50) 1,3-Dinitrobenzene	9.448	168	1917	0.383	ug/ml#	1
51) Dimethyl phthalate	9.445	163	20163	0.485	ug/ml#	99
52) Acenaphthylene	9.525	152	28512	0.480	ug/ml	97
53) 2,6-Dinitrotoluene	9.488	165	2982	0.420	ug/ml	90
54) 1,2-Dinitrobenzene	9.528	168	1428	0.444	ug/ml#	1
64) 3-Nitroaniline	9.640	138	3054	0.393	ug/ml#	96
65) Acenaphthene	9.699	154	17046	0.472	ug/ml	93
66) 2,4-Dinitrophenol	9.746	184	1087	0.832	ug/ml	86
67) Dibenzofuran	9.873	168	27158	0.470	ug/ml	93
68) 2,4-Dinitrotoluene	9.873	165	3359	0.566	ug/ml#	74
69) 4-Nitrophenol	9.818	65	2185	0.374	ug/ml#	92
70) 2,3,5,6-Tetrachlorophenol	9.957	232	3775	0.394	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL3.D
 Acq On : 26 Aug 2025 9:23 pm
 Operator : SV107:ljb
 Sample : IL8,32,,ABNL0.5 Lot# 11891
 Misc : WG2108478
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 16:37:25 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.998	232	3843	0.407	ug/ml	90
72)	Diethyl phthalate	10.141	149	20050	0.497	ug/ml	98
73)	Fluorene	10.206	166	21345	0.481	ug/ml	97
74)	4-Chlorophenyl phenyl ...	10.228	204	11085	0.489	ug/ml#	87
75)	4-Nitroaniline	10.228	138	2798	0.361	ug/ml#	89
76)	4,6-Dinitro-o-cresol	10.268	198	1650	0.814	ug/ml#	72
77)	NDPA/DPA	10.343	169	16621	0.474	ug/ml	91
78)	Azobenzene	10.380	77	17155	0.480	ug/ml	93
80)	4-Bromophenyl phenyl e...	10.700	248	6032	0.500	ug/ml#	87
81)	Hexachlorobenzene	10.738	284	6370	0.506	ug/ml#	87
82)	Pentachlorophenol	10.936	266	2070	0.305	ug/ml	95
89)	Phenanthrene	11.135	178	32716	0.479	ug/ml	97
90)	Anthracene	11.185	178	31729	0.474	ug/ml	99
91)	Carbazole	11.353	167	26223	0.451	ug/ml	97
92)	Di-n-butylphthalate	11.751	149	26624	0.417	ug/ml	98
93)	Fluoranthene	12.295	202	33594	0.463	ug/ml#	90
94)	Benzidine	12.453	184	9389	0.764	ug/ml#	93
95)	Pyrene	12.512	202	35478	0.460	ug/ml	99
97)	Butyl benzyl phthalate	13.246	149	8482	0.641	ug/ml	91
105)	Benzo(a)anthracene	13.762	228	31558	0.454	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.762	252	8034	0.363	ug/ml	98
107)	Chrysene	13.796	228	33746	0.491	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.895	149	13074	0.467	ug/ml#	94
109)	Di-n-octylphthalate	14.585	149	18864	0.638	ug/ml#	79
110)	Benzo(b)fluoranthene	14.871	252	29293	0.486	ug/ml#	92
111)	Benzo(k)fluoranthene	14.899	252	27951	0.458	ug/ml#	96
112)	Benzo(a)pyrene	15.188	252	25726	0.459	ug/ml#	91
114)	Indeno(1,2,3-cd)pyrene	16.248	276	23965	0.443	ug/mL#	90
115)	Dibenzo(a,h)anthracene	16.279	278	25319	0.450	ug/ml#	93
116)	Benzo(ghi)perylene	16.509	276	25829	0.461	ug/ml#	89

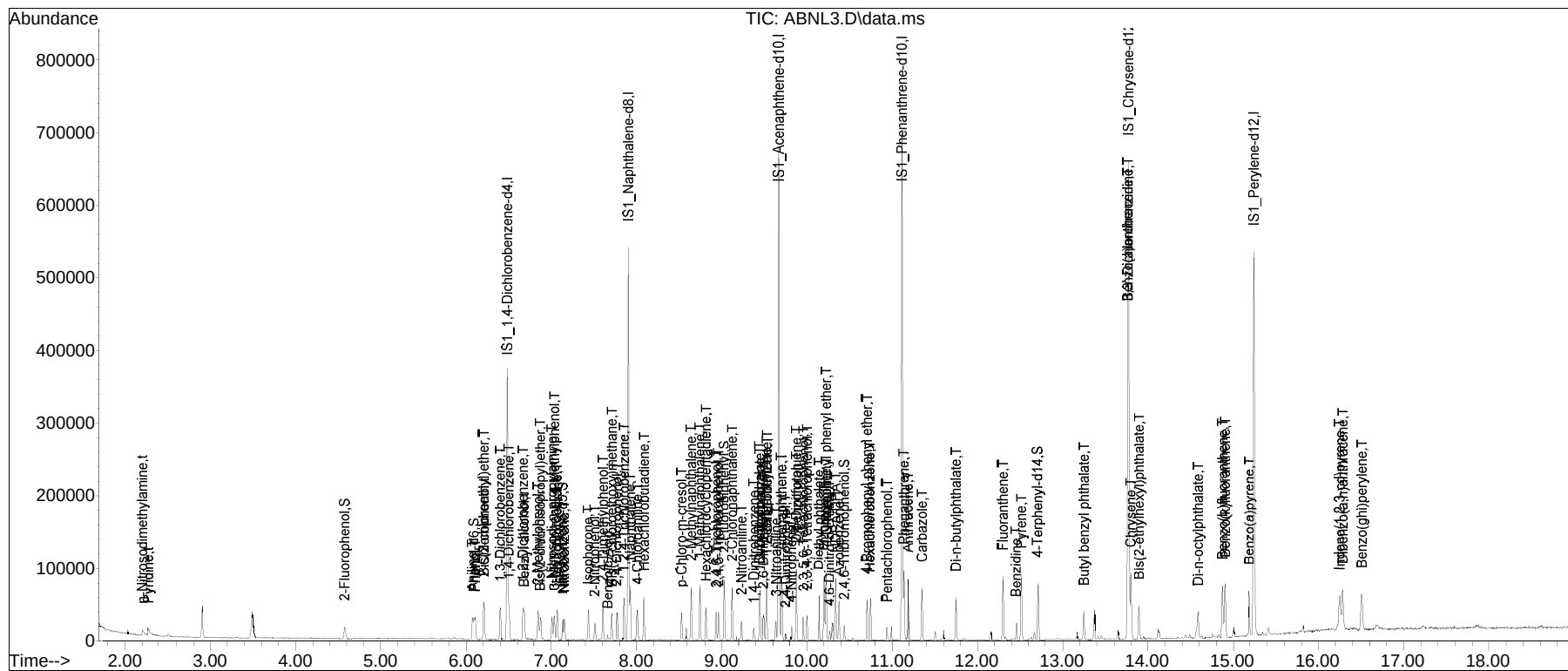
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
Data File : ABNL3.D
Acq On : 26 Aug 2025 9:23 pm
Operator : SV107:ljj
Sample : IL8,32,,ABNL0.5 Lot# 11891
Misc : WG2108478
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 16:37:25 2025
Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 27 17:27:22 2025
Response via : Initial Calibration

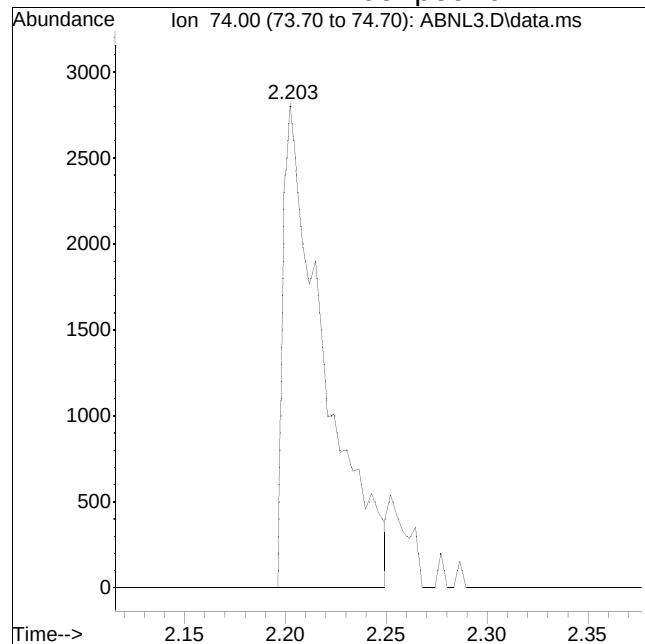
Sub List : ABNica\8270BBV10a\250026iscal\AP9L6a.D•



Manual Integration Report

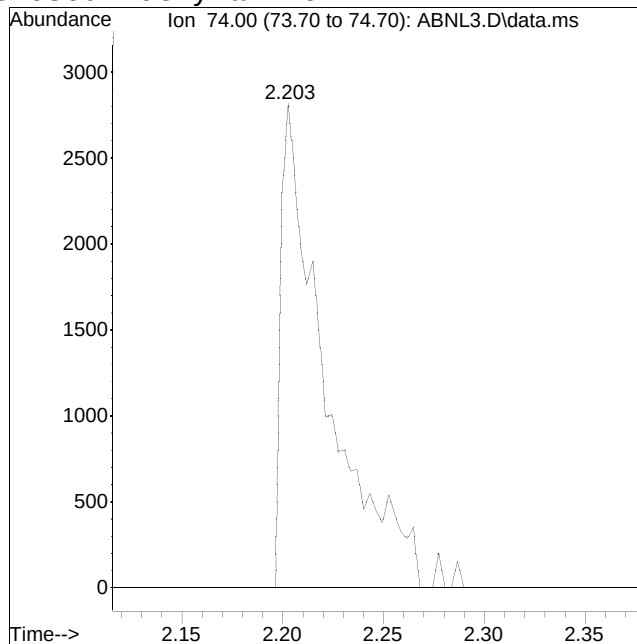
Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL3.D Operator : SV107:ljg
Date Inj'd : 8/26/2025 9:23 pm Instrument : SV107
Sample : IL8, 32,, ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 4:38 pm

Compound #2: n-Nitrosodimethylamine



Original Peak Response = 3991

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

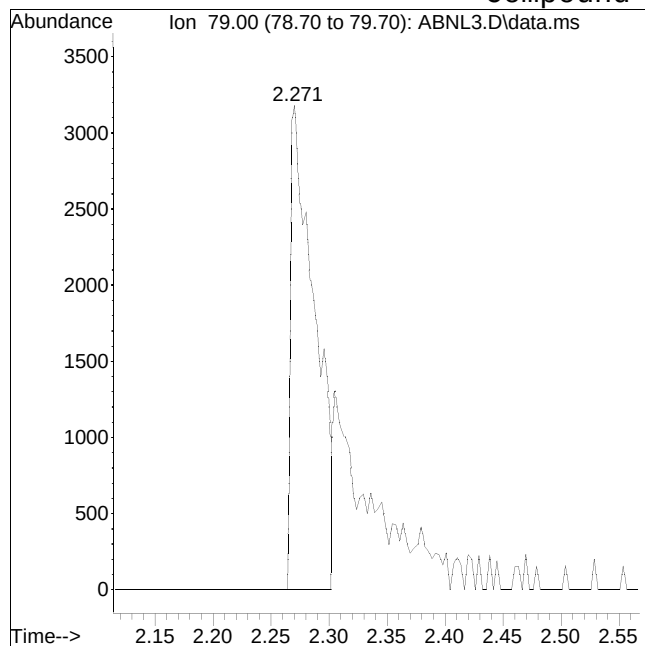


Manual Peak Response = 4419 M1

Manual Integration Report

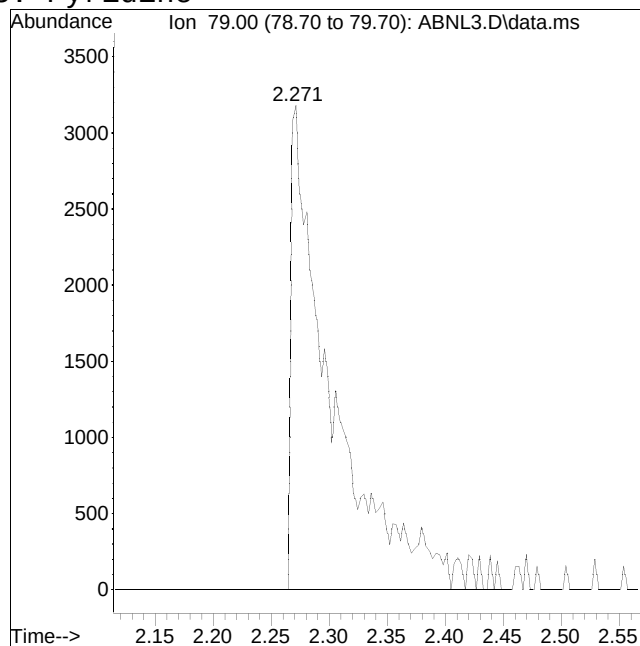
Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL3.D Operator : SV107:ljb
Date Inj'd : 8/26/2025 9:23 pm Instrument : SV107
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 4:38 pm

Compound #3: Pyridine



Original Peak Response = 4623

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 7928 M1

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL2.D
 Acq On : 26 Aug 2025 9:48 pm
 Operator : SV107:ljl
 Sample : IL9,32,,ABNL0.2 Lot# 11892
 Misc : WG2108478
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 16:37:17 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.479	152	54945	4.000	ug/ml	0.00
Standard Area 1 = 56159			Recovery =	97.84%		
35) IS1_Naphthalene-d8	7.903	136	205930	4.000	ug/ml	# 0.00
Standard Area 1 = 205165			Recovery =	100.37%		
63) IS1_Acenaphthene-d10	9.668	164	116408	4.000	ug/ml	0.00
Standard Area 1 = 119448			Recovery =	97.45%		
88) IS1_Phenanthrene-d10	11.114	188	223805	4.000	ug/ml	0.00
Standard Area 1 = 214039			Recovery =	104.56%		
104) IS1_Chrysene-d12	13.780	240	190540	4.000	ug/ml	# 0.01
Standard Area 1 = 186272			Recovery =	102.29%		
113) IS1_Perylene-d12	15.260	264	186754	4.000	ug/ml	0.01
Standard Area 1 = 167117			Recovery =	111.75%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.577	112	2366	0.167	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	8.35%#		
7) Phenol-d6	6.091	99	2873	0.165	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	8.25%#		
19) Nitrobenzene-d5	7.132	82	2987	0.185	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	18.50%#		
46) 2-Fluorobiphenyl	9.028	172	9229	0.205	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	20.50%#		
79) 2,4,6-Tribromophenol	10.439	330	704	0.159	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	7.95%#		
96) 4-Terphenyl-d14	12.714	244	9436	0.195	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	19.50%#		
Target Compounds						
2) n-Nitrosodimethylamine	2.221	74	1489M1	0.164	ug/ml	
3) Pyridine	2.308	79	2669M1	0.157	ug/ml	
5) Aniline	6.079	93	3224	0.139	ug/ml#	95
6) 2-Chlorophenol	6.209	128	3133	0.186	ug/ml	87
8) Phenol	6.110	94	3641	0.188	ug/ml	92
9) Bis(2-chloroethyl)ether	6.206	93	3213	0.196	ug/ml	89
10) 1,3-Dichlorobenzene	6.402	146	4263	0.199	ug/ml	98
11) 1,4-Dichlorobenzene	6.501	146	4379	0.200	ug/ml	98
12) 1,2-Dichlorobenzene	6.675	146	4293	0.205	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL2.D
 Acq On : 26 Aug 2025 9:48 pm
 Operator : SV107:ljl
 Sample : IL9,32,,ABNL0.2 Lot# 11892
 Misc : WG2108478
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 16:37:17 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.688	79	2185	0.171	ug/ml	96
14) Bis(2-chloroisopropyl)...	6.874	45	4981	0.194	ug/ml#	82
15) 2-Methylphenol	6.849	108	2403	0.168	ug/ml	87
16) Hexachloroethane	7.061	117	1606	0.200	ug/ml#	56
17) n-Nitrosodi-n-propylamine	7.008	70	2196	0.194	ug/ml#	59
18) 3-Methylphenol/4-Methy...	7.033	108	2683	0.177	ug/ml#	97
20) Nitrobenzene	7.151	77	3104	0.190	ug/ml#	91
21) Isophorone	7.437	82	5653	0.191	ug/ml	94
22) 2-Nitrophenol	7.511	139	1015	0.149	ug/ml#	76
23) 2,4-Dimethylphenol	7.605	107	2893	0.183	ug/ml	99
24) Bis(2-chloroethoxy)met...	7.707	93	4067	0.204	ug/ml#	87
25) 2,4-Dichlorophenol	7.772	162	2539	0.166	ug/ml#	91
26) 1,2,4-Trichlorobenzene	7.856	180	4005	0.201	ug/ml	98
36) Naphthalene	7.925	128	11134	0.205	ug/ml	98
37) Benzoic Acid	7.664	105	401	1.200	ug/ml#	30
38) 4-Chloroaniline	8.009	65	1122	0.182	ug/ml	78
39) Hexachlorobutadiene	8.083	225	2293	0.193	ug/ml	90
40) p-Chloro-m-cresol	8.525	107	2206	0.168	ug/ml	93
41) 2-Methylnaphthalene	8.646	142	6655	0.204	ug/ml	97
42) 1-Methylnaphthalene	8.739	115	2571	0.209	ug/ml	93
43) Hexachlorocyclopentadiene	8.811	237	2310	0.184	ug/ml#	90
44) 2,4,6-Trichlorophenol	8.938	196	1788	0.162	ug/ml	98
45) 2,4,5-Trichlorophenol	8.966	196	1921	0.162	ug/ml	97
47) 2-Chloronaphthalene	9.124	162	8002	0.212	ug/ml	93
48) 2-Nitroaniline	9.233	138	1163	0.142	ug/ml	95
49) 1,4-Dinitrobenzene	9.379	168	602	0.151	ug/ml	83
50) 1,3-Dinitrobenzene	9.451	168	658	0.138	ug/ml#	1
51) Dimethyl phthalate	9.442	163	7813	0.197	ug/ml#	96
52) Acenaphthylene	9.525	152	10726	0.189	ug/ml	98
53) 2,6-Dinitrotoluene	9.488	165	1053	0.156	ug/ml#	85
54) 1,2-Dinitrobenzene	9.522	168	413	0.135	ug/ml#	1
64) 3-Nitroaniline	9.640	138	1177	0.164	ug/ml#	93
65) Acenaphthene	9.700	154	6649	0.200	ug/ml	86
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	9.874	168	11410	0.214	ug/ml	90
68) 2,4-Dinitrotoluene	9.877	165	1183	0.390	ug/ml#	69
69) 4-Nitrophenol	9.821	65	597	0.111	ug/ml#	76
70) 2,3,5,6-Tetrachlorophenol	9.954	232	1249	0.141	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL2.D
 Acq On : 26 Aug 2025 9:48 pm
 Operator : SV107:ljb
 Sample : IL9,32,,ABNL0.2 Lot# 11892
 Misc : WG2108478
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 16:37:17 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.998	232	1382	0.158	ug/ml	94
72)	Diethyl phthalate	10.144	149	7464	0.200	ug/ml	97
73)	Fluorene	10.206	166	8127	0.198	ug/ml	97
74)	4-Chlorophenyl phenyl ...	10.228	204	4458	0.213	ug/ml#	84
75)	4-Nitroaniline	10.228	138	1037	0.145	ug/ml	96
76)	4,6-Dinitro-o-cresol	10.268	198	557	0.647	ug/ml#	69
77)	NDPA/DPA	10.343	169	6076	0.188	ug/ml	88
78)	Azobenzene	10.380	77	6529	0.198	ug/ml#	89
80)	4-Bromophenyl phenyl e...	10.700	248	2521	0.226	ug/ml#	79
81)	Hexachlorobenzene	10.741	284	2470	0.212	ug/ml#	80
82)	Pentachlorophenol	10.937	266	640	0.102	ug/ml#	55
89)	Phenanthrene	11.135	178	13353	0.208	ug/ml	99
90)	Anthracene	11.185	178	12491	0.199	ug/ml	99
91)	Carbazole	11.356	167	9248	0.170	ug/ml	98
92)	Di-n-butylphthalate	11.754	149	9808	0.164	ug/ml#	92
93)	Fluoranthene	12.298	202	12923	0.190	ug/ml#	90
94)	Benzidine	12.459	184	1502	0.599	ug/ml#	68
95)	Pyrene	12.515	202	13908	0.192	ug/ml	99
97)	Butyl benzyl phthalate	13.252	149	3075	0.469	ug/ml	92
105)	Benzo(a)anthracene	13.771	228	13004	0.200	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.771	252	2863	0.138	ug/ml#	97
107)	Chrysene	13.805	228	13646	0.212	ug/ml	95
108)	Bis(2-ethylhexyl)phtha...	13.905	149	4274	0.277	ug/ml#	95
109)	Di-n-octylphthalate	14.604	149	6831	0.481	ug/ml#	76
110)	Benzo(b)fluoranthene	14.887	252	11565	0.205	ug/ml#	93
111)	Benzo(k)fluoranthene	14.915	252	10771	0.189	ug/ml	97
112)	Benzo(a)pyrene	15.204	252	10203	0.194	ug/ml#	91
114)	Indeno(1,2,3-cd)pyrene	16.258	276	8544	0.165	ug/mL	94
115)	Dibenzo(a,h)anthracene	16.289	278	9513	0.177	ug/ml#	91
116)	Benzo(ghi)perylene	16.519	276	10276	0.191	ug/ml#	86

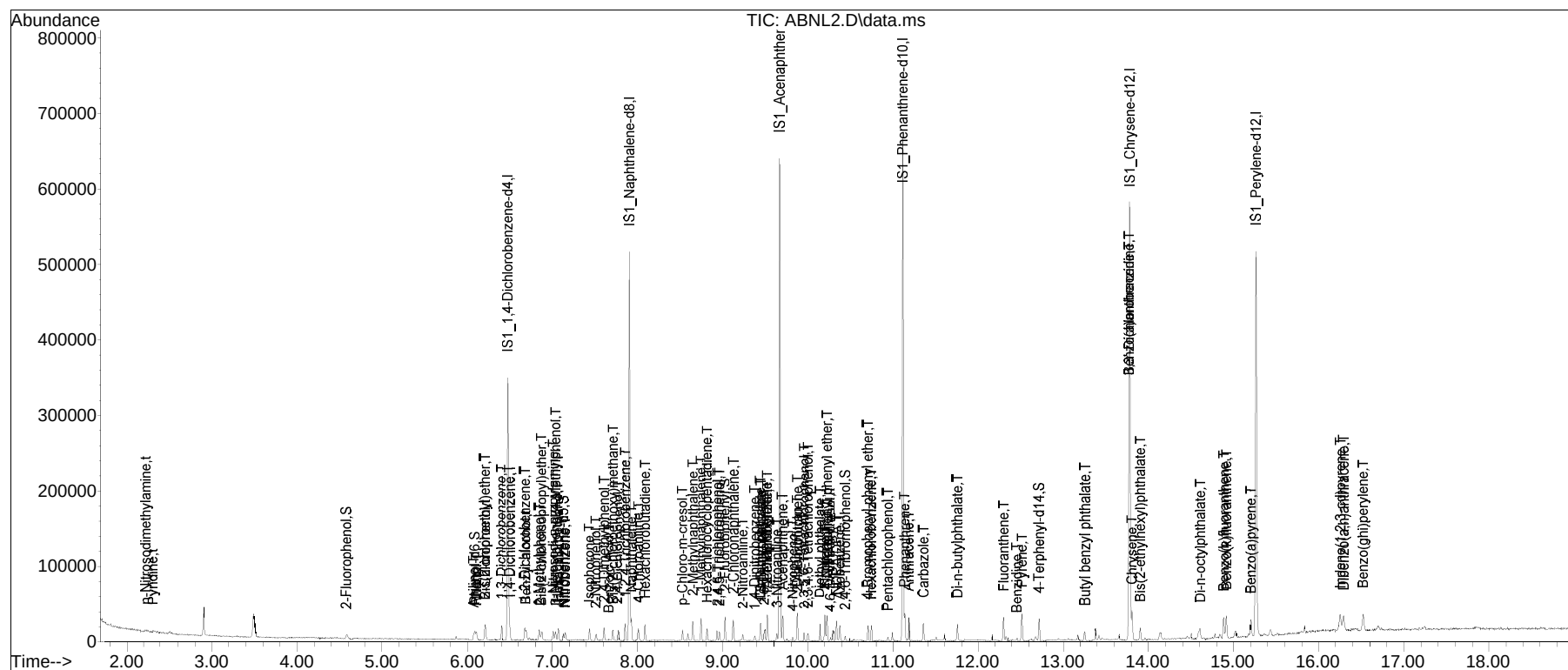
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL2.D
 Acq On : 26 Aug 2025 9:48 pm
 Operator : SV107:ljj
 Sample : IL9,32,,ABNL0.2 Lot# 11892
 Misc : WG2108478
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 16:37:17 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

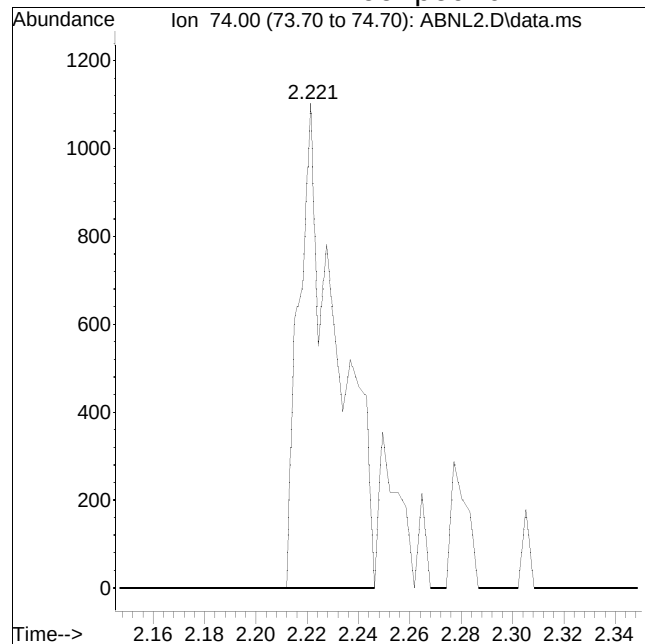
Sub List : ABNL2.D\8270\SV107\250826ical\AP9L6a.D•



Manual Integration Report

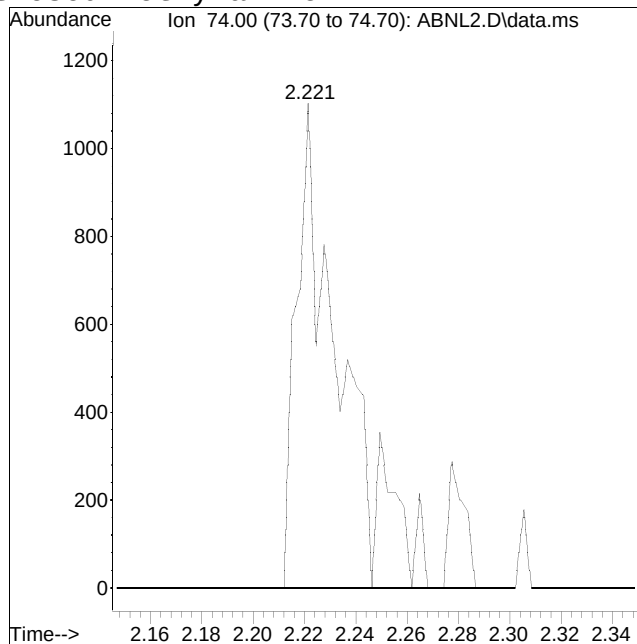
Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL2.D Operator : SV107:ljg
Date Inj'd : 8/26/2025 9:48 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 4:38 pm

Compound #2: n-Nitrosodimethylamine



Original Peak Response = 1144

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

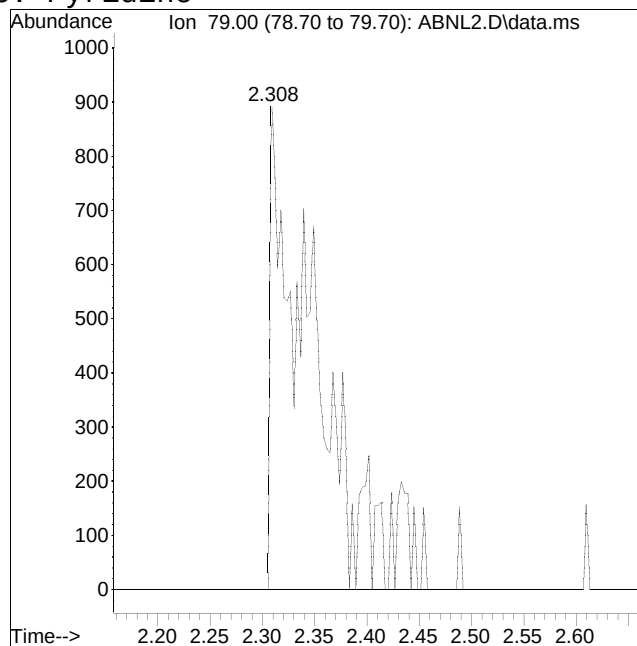
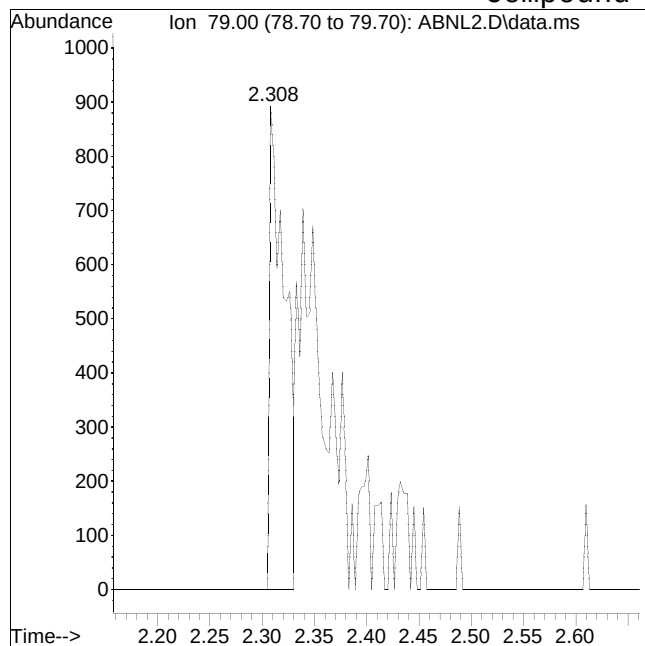


Manual Peak Response = 1489 M1

Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL2.D Operator : SV107:ljj
Date Inj'd : 8/26/2025 9:48 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 4:38 pm

Compound #3: Pyridine



Original Peak Response = 919

Manual Peak Response = 2669 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL1.D
 Acq On : 26 Aug 2025 10:14 pm
 Operator : SV107:ljl
 Sample : IL10,32,,ABNL0.1 Lot# 11893
 Misc : WG2108478
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 16:37:09 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.479	152	57454	4.000	ug/ml	0.00
Standard Area 1 = 56159			Recovery =	102.31%		
35) IS1_Naphthalene-d8	7.903	136	210059	4.000	ug/ml	0.00
Standard Area 1 = 205165			Recovery =	102.39%		
63) IS1_Acenaphthene-d10	9.668	164	123108	4.000	ug/ml	0.00
Standard Area 1 = 119448			Recovery =	103.06%		
88) IS1_Phenanthrene-d10	11.114	188	233199	4.000	ug/ml	0.00
Standard Area 1 = 214039			Recovery =	108.95%		
104) IS1_Chrysene-d12	13.768	240	199668	4.000	ug/ml	# 0.00
Standard Area 1 = 186272			Recovery =	107.19%		
113) IS1_Perylene-d12	15.251	264	198221	4.000	ug/ml	0.00
Standard Area 1 = 167117			Recovery =	118.61%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.580	112	1120M1	0.076	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	3.80%#		
7) Phenol-d6	6.094	99	1510	0.083	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	4.15%#		
19) Nitrobenzene-d5	7.132	82	1588	0.094	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	9.40%#		
46) 2-Fluorobiphenyl	9.028	172	4641	0.101	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	10.10%#		
79) 2,4,6-Tribromophenol	10.436	330	253M2	0.054	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	2.70%#		
96) 4-Terphenyl-d14	12.708	244	5374	0.107	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	10.70%#		
Target Compounds						
2) n-Nitrosodimethylamine	2.231	74	609M2	0.064	ug/ml	
3) Pyridine	0.000		0	N.D.		
5) Aniline	6.085	93	1140	0.047	ug/ml#	79
6) 2-Chlorophenol	6.212	128	1493	0.085	ug/ml#	67
8) Phenol	6.110	94	1775	0.087	ug/ml#	87
9) Bis(2-chloroethyl)ether	6.206	93	1722	0.100	ug/ml	96
10) 1,3-Dichlorobenzene	6.402	146	2150	0.096	ug/ml	92

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL1.D
 Acq On : 26 Aug 2025 10:14 pm
 Operator : SV107:ljl
 Sample : IL10,32,,ABNL0.1 Lot# 11893
 Misc : WG2108478
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 16:37:09 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
11)	1,4-Dichlorobenzene	6.504	146	2218	0.097	ug/ml#	88
12)	1,2-Dichlorobenzene	6.675	146	2287	0.104	ug/ml#	91
13)	Benzyl alcohol	6.688	79	1181	0.089	ug/ml	91
14)	Bis(2-chloroisopropyl)...	6.871	45	2701	0.101	ug/ml#	73
15)	2-Methylphenol	6.846	108	1234	0.083	ug/ml#	87
16)	Hexachloroethane	7.061	117	758	0.090	ug/ml#	56
17)	n-Nitrosodi-n-propylamine	7.008	70	1021	0.086	ug/ml#	59
18)	3-Methylphenol/4-Methy...	7.030	108	1316	0.083	ug/ml#	94
20)	Nitrobenzene	7.154	77	1701	0.100	ug/ml#	74
21)	Isophorone	7.434	82	2710	0.087	ug/ml#	65
22)	2-Nitrophenol	7.508	139	587	0.083	ug/ml#	31
23)	2,4-Dimethylphenol	7.608	107	1417	0.085	ug/ml	93
24)	Bis(2-chloroethoxy)met...	7.707	93	1917	0.092	ug/ml#	91
25)	2,4-Dichlorophenol	7.772	162	1279	0.080	ug/ml#	93
26)	1,2,4-Trichlorobenzene	7.856	180	2199	0.106	ug/ml#	93
36)	Naphthalene	7.925	128	5863	0.106	ug/ml	99
37)	Benzoic Acid	0.000		0	N.D.		
38)	4-Chloroaniline	8.009	65	540	0.086	ug/ml#	75
39)	Hexachlorobutadiene	8.086	225	1286	0.106	ug/ml#	83
40)	p-Chloro-m-cresol	8.525	107	1058	0.079	ug/ml#	83
41)	2-Methylnaphthalene	8.643	142	3166	0.095	ug/ml	86
42)	1-Methylnaphthalene	8.739	115	1220	0.097	ug/ml	93
43)	Hexachlorocyclopentadiene	8.811	237	1266	0.099	ug/ml#	94
44)	2,4,6-Trichlorophenol	8.935	196	887	0.079	ug/ml#	85
45)	2,4,5-Trichlorophenol	8.966	196	883	0.073	ug/ml#	75
47)	2-Chloronaphthalene	9.124	162	4004	0.104	ug/ml	96
48)	2-Nitroaniline	9.236	138	534	0.064	ug/ml#	67
49)	1,4-Dinitrobenzene	9.382	168	221M2	0.055	ug/ml	
50)	1,3-Dinitrobenzene	9.451	168	298M2	0.061	ug/ml	
51)	Dimethyl phthalate	9.445	163	4146	0.103	ug/ml#	77
52)	Acenaphthylene	9.525	152	5558	0.096	ug/ml	96
53)	2,6-Dinitrotoluene	9.488	165	554	0.080	ug/ml#	80
54)	1,2-Dinitrobenzene	9.519	168	157M2	0.050	ug/ml	
64)	3-Nitroaniline	9.640	138	525	0.069	ug/ml#	93
65)	Acenaphthene	9.699	154	3788	0.108	ug/ml	93
66)	2,4-Dinitrophenol	0.000		0	N.D.		
67)	Dibenzofuran	9.870	168	5760	0.102	ug/ml	93
68)	2,4-Dinitrotoluene	9.877	165	530	0.328	ug/ml#	63

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL1.D
 Acq On : 26 Aug 2025 10:14 pm
 Operator : SV107:ljl
 Sample : IL10,32,,ABNL0.1 Lot# 11893
 Misc : WG2108478
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 16:37:09 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69)	4-Nitrophenol	9.824	65	320M2	0.056	ug/ml	
70)	2,3,5,6-Tetrachlorophenol	9.961	232	682	0.073	ug/ml#	58
71)	2,3,4,6-Tetrachlorophenol	9.998	232	723	0.078	ug/ml#	70
72)	Diethyl phthalate	10.141	149	3604	0.091	ug/ml#	88
73)	Fluorene	10.206	166	3979	0.092	ug/ml	90
74)	4-Chlorophenyl phenyl ...	10.228	204	2371	0.107	ug/ml#	82
75)	4-Nitroaniline	10.228	138	388M2	0.051	ug/ml	
76)	4,6-Dinitro-o-cresol	10.268	198	157M2	0.576	ug/ml	
77)	NDPA/DPA	10.343	169	3189	0.093	ug/ml	95
78)	Azobenzene	10.380	77	3049	0.087	ug/ml	94
80)	4-Bromophenyl phenyl e...	10.700	248	1103	0.094	ug/ml#	82
81)	Hexachlorobenzene	10.741	284	1326	0.108	ug/ml	98
82)	Pentachlorophenol	10.936	266	310M2	0.047	ug/ml	
89)	Phenanthrene	11.135	178	6960	0.104	ug/ml	99
90)	Anthracene	11.185	178	6235	0.095	ug/ml	97
91)	Carbazole	11.356	167	4968	0.087	ug/ml	98
92)	Di-n-butylphthalate	11.754	149	5118	0.082	ug/ml#	79
93)	Fluoranthene	12.295	202	7082	0.100	ug/ml#	89
94)	Benzidine	0.000		0	N.D.		
95)	Pyrene	12.512	202	7695	0.102	ug/ml	97
97)	Butyl benzyl phthalate	13.246	149	1602	0.415	ug/ml#	90
105)	Benzo(a)anthracene	13.762	228	6988	0.102	ug/ml	97
106)	3,3'-Dichlorobenzidine	13.759	252	1552	0.071	ug/ml#	84
107)	Chrysene	13.796	228	7469	0.111	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.895	149	2394	0.230	ug/ml#	97
109)	Di-n-octylphthalate	14.589	149	3490	0.430	ug/ml#	79
110)	Benzo(b)fluoranthene	14.874	252	5744	0.097	ug/ml#	92
111)	Benzo(k)fluoranthene	14.906	252	6043	0.101	ug/ml#	92
112)	Benzo(a)pyrene	15.188	252	5089	0.093	ug/ml#	89
114)	Indeno(1,2,3-cd)pyrene	16.254	276	4744	0.086	ug/mL#	91
115)	Dibenzo(a,h)anthracene	16.282	278	4699	0.082	ug/ml#	83
116)	Benzo(ghi)perylene	16.512	276	4719	0.083	ug/ml	93

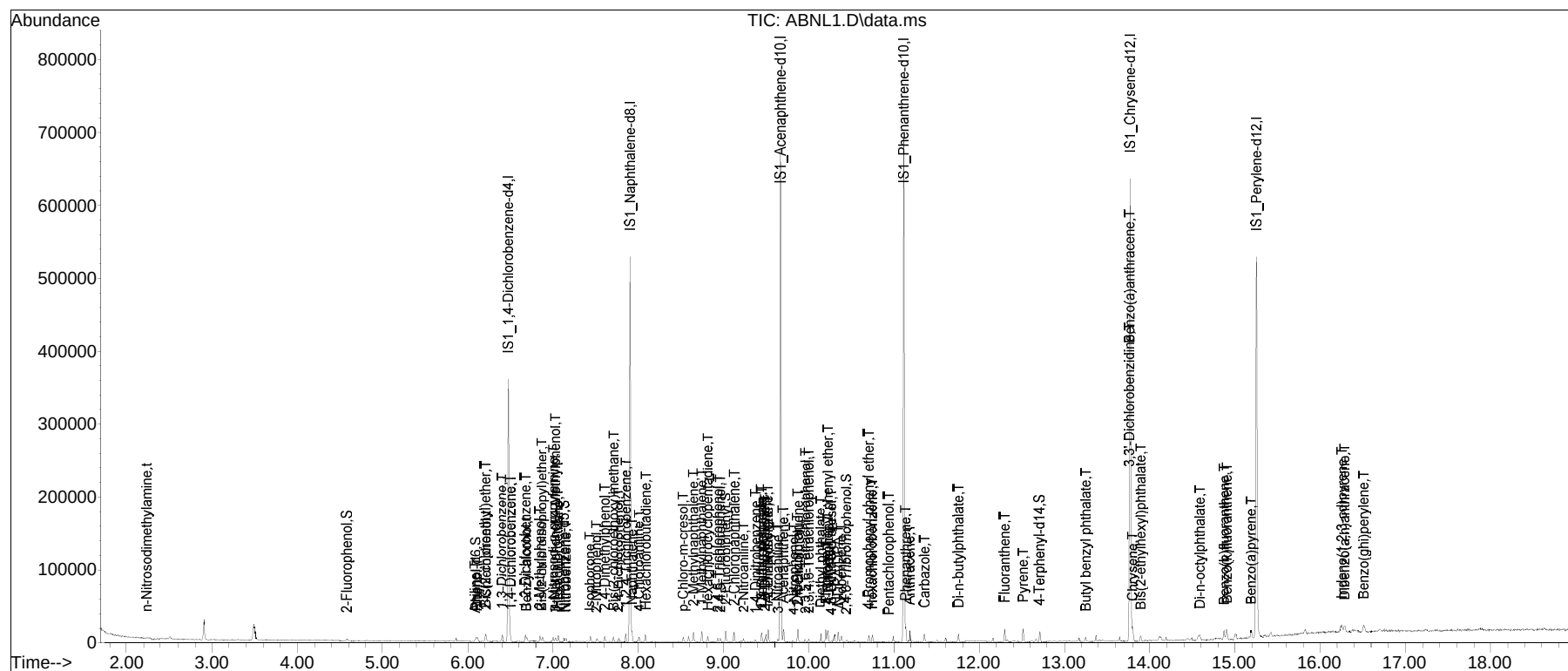
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNL1.D
 Acq On : 26 Aug 2025 10:14 pm
 Operator : SV107:ljj
 Sample : IL10,32,,ABNL0.1 Lot# 11893
 Misc : WG2108478
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 16:37:09 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

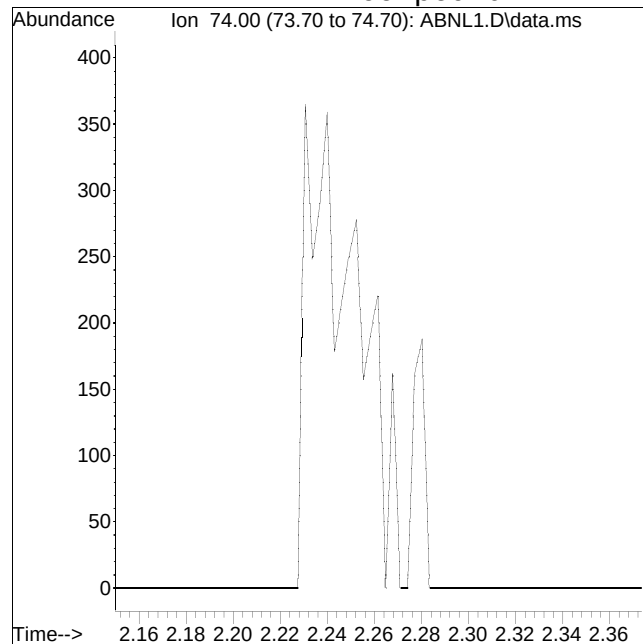
Sub List : ABNL1\8270\SV107\250826ical\AP9L6a.D•



Manual Integration Report

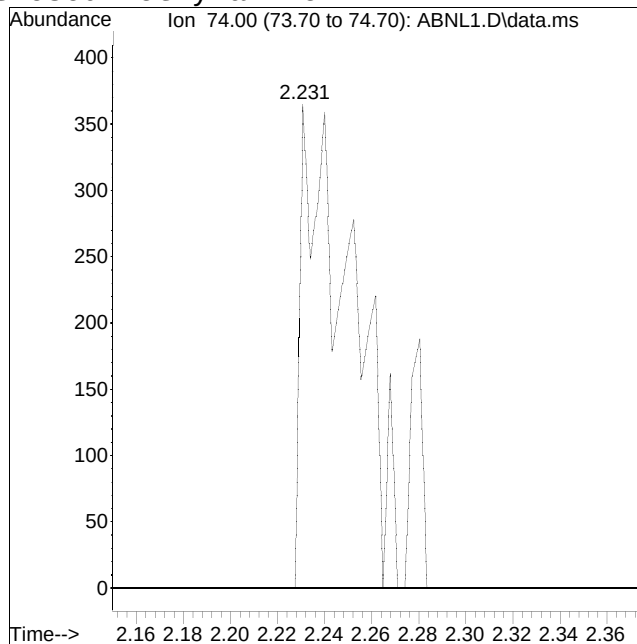
Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL1.D Operator : SV107:ljg
Date Inj'd : 8/26/2025 10:14 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 4:37 pm

Compound #2: n-Nitrosodimethylamine



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

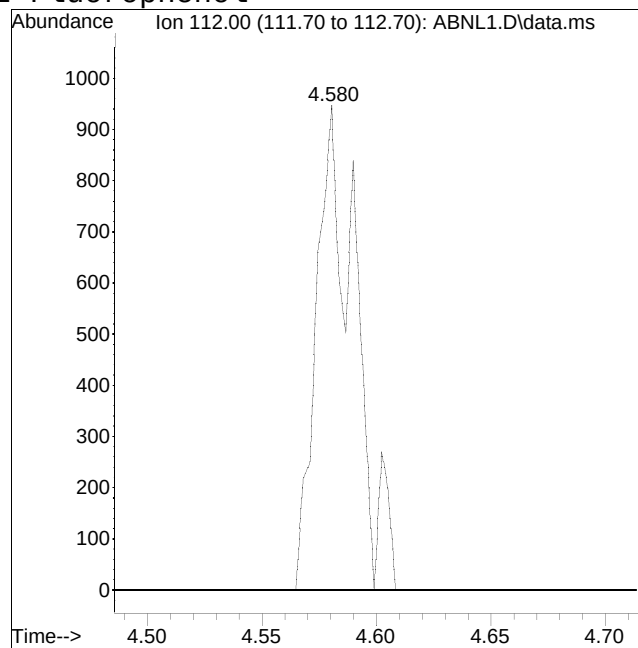
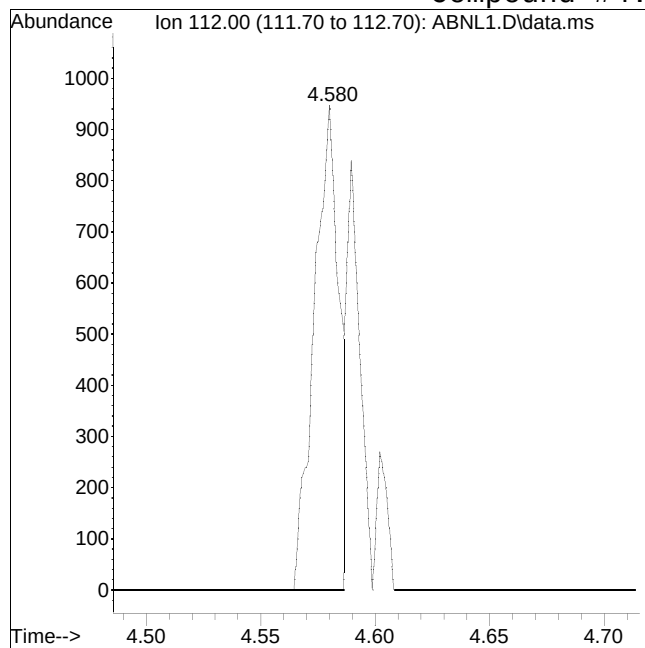


Manual Peak Response = 609 M2

Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL1.D Operator : SV107:ljb
Date Inj'd : 8/26/2025 10:14 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 4:37 pm

Compound #4: 2-Fluorophenol



Original Peak Response = 733

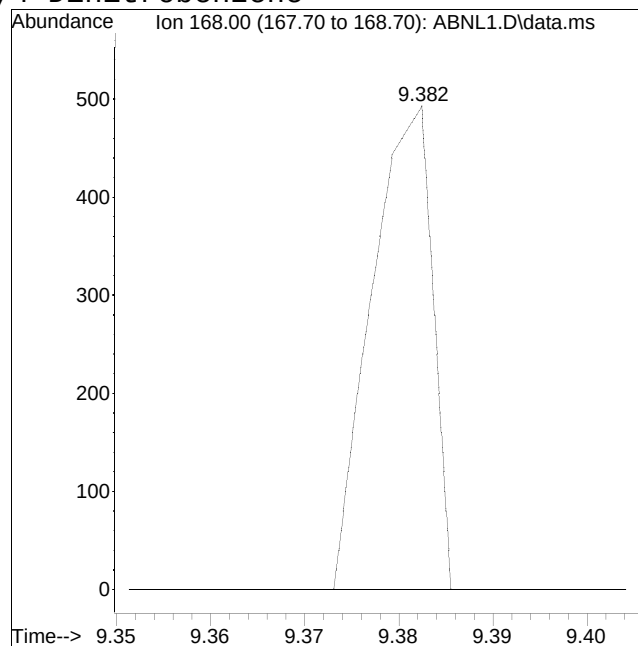
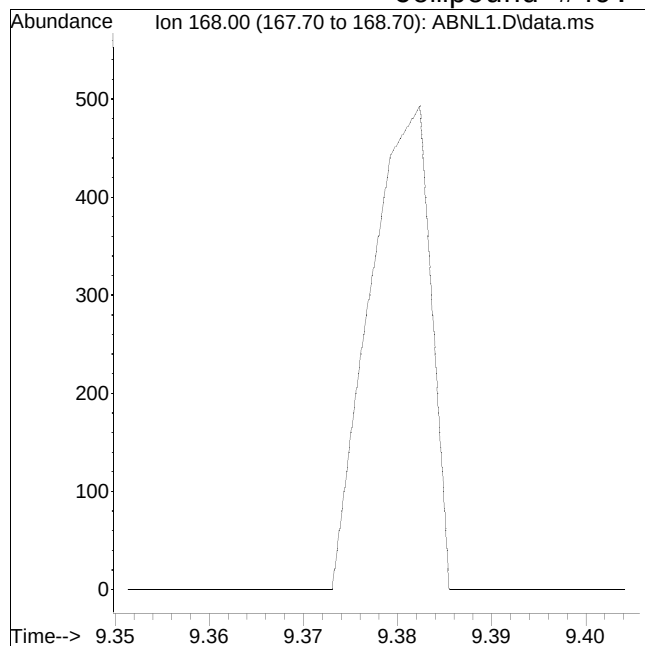
Manual Peak Response = 1120 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL1.D Operator : SV107:ljb
Date Inj'd : 8/26/2025 10:14 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 4:37 pm

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 0

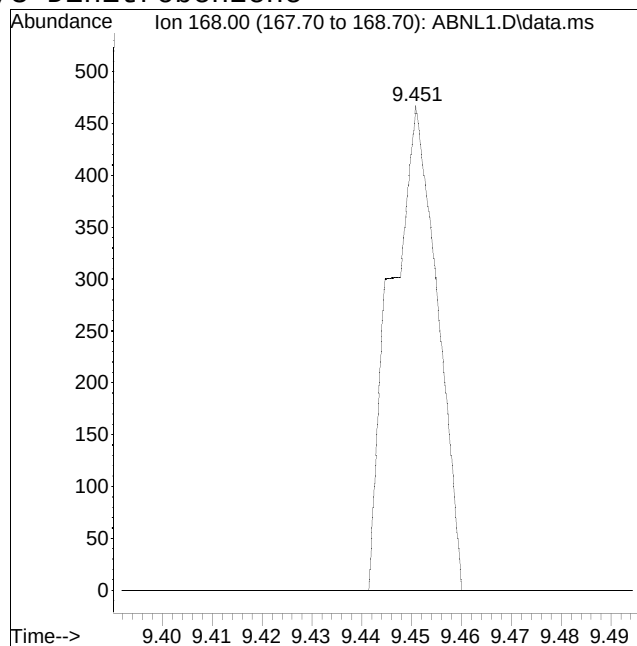
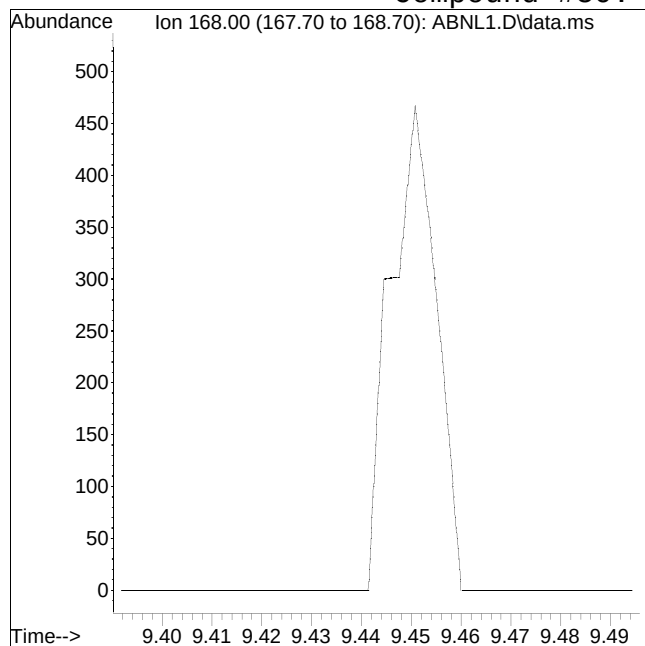
Manual Peak Response = 221 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL1.D Operator : SV107:ljb
Date Inj'd : 8/26/2025 10:14 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 4:37 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0

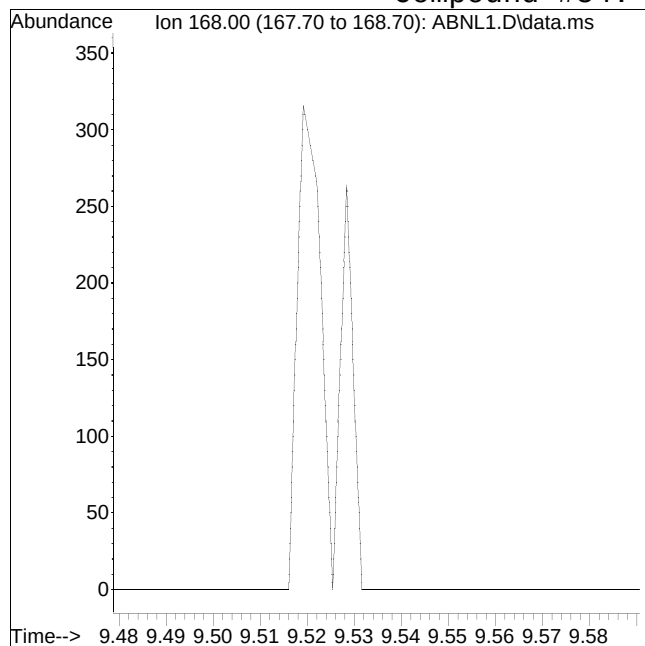
Manual Peak Response = 298 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

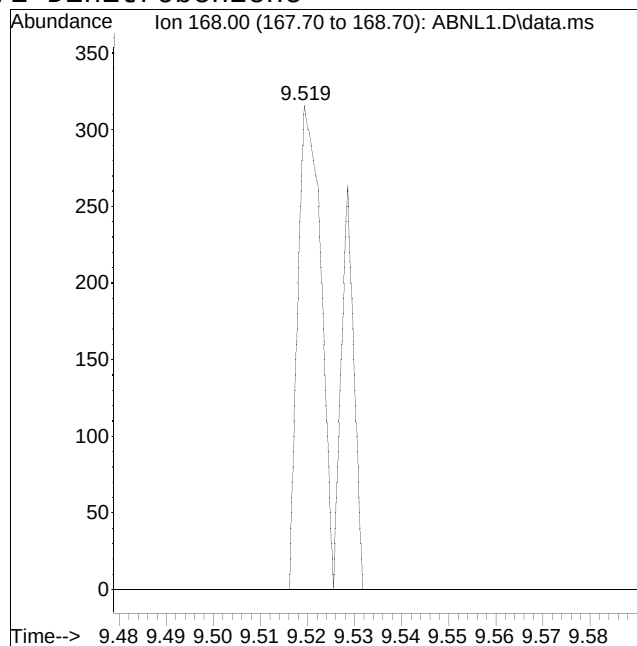
Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL1.D Operator : SV107:ljb
Date Inj'd : 8/26/2025 10:14 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 4:37 pm

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

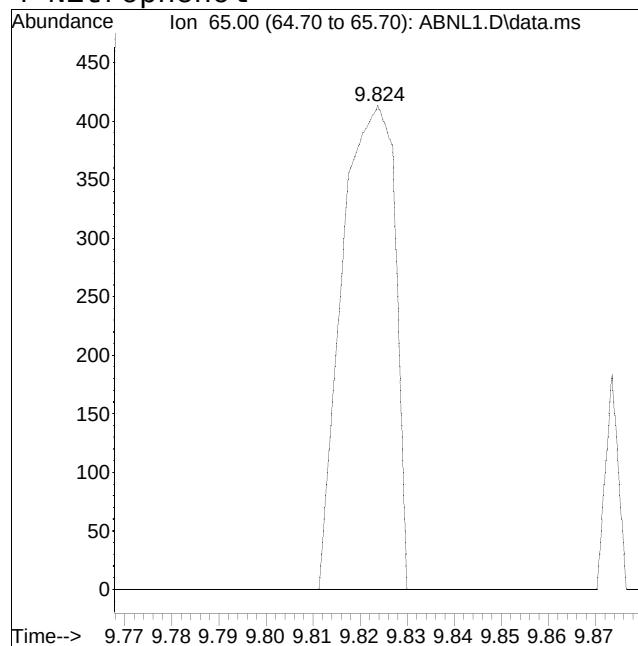
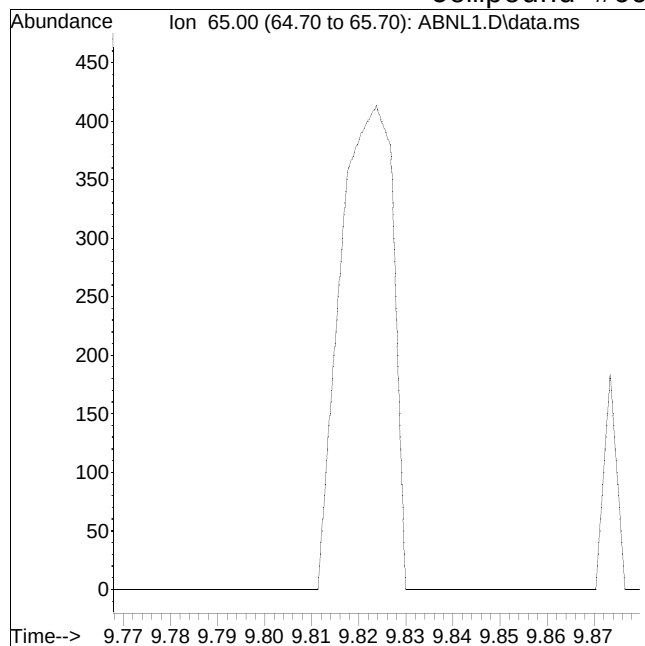


Manual Peak Response = 157 M2

Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL1.D Operator : SV107:ljb
Date Inj'd : 8/26/2025 10:14 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 4:37 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 0

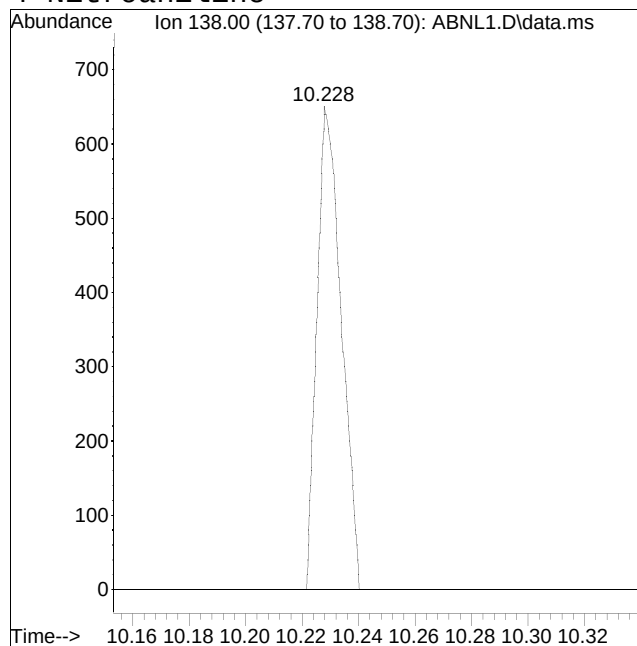
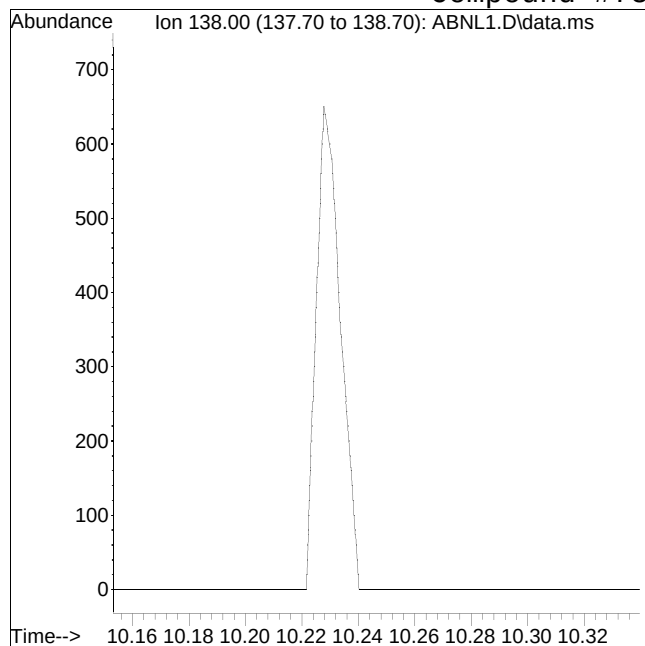
Manual Peak Response = 320 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL1.D Operator : SV107:l jg
Date Inj'd : 8/26/2025 10:14 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 4:37 pm

Compound #75: 4-Nitroaniline



Original Peak Response = 0

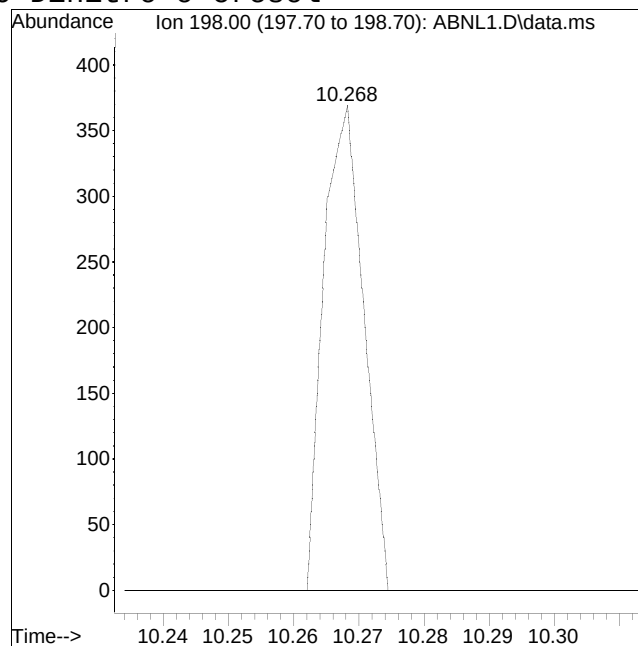
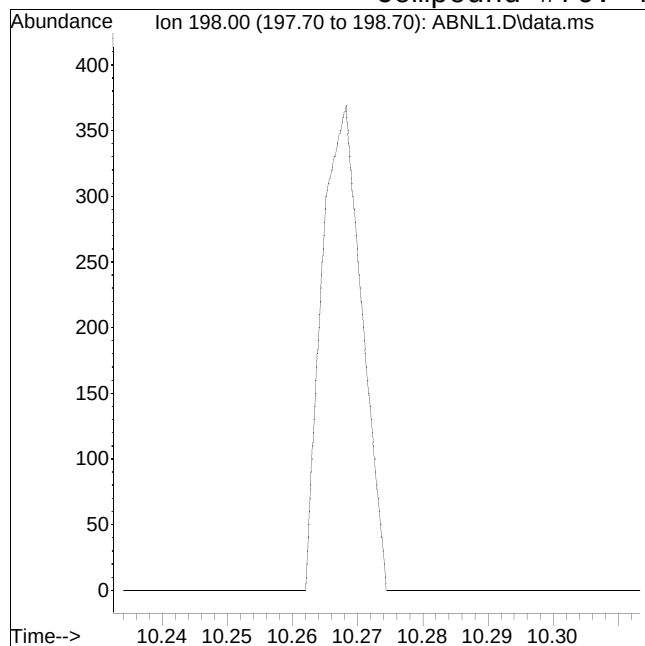
Manual Peak Response = 388 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL1.D Operator : SV107:ljb
Date Inj'd : 8/26/2025 10:14 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 4:37 pm

Compound #76: 4,6-Dinitro-o-cresol



Original Peak Response = 0

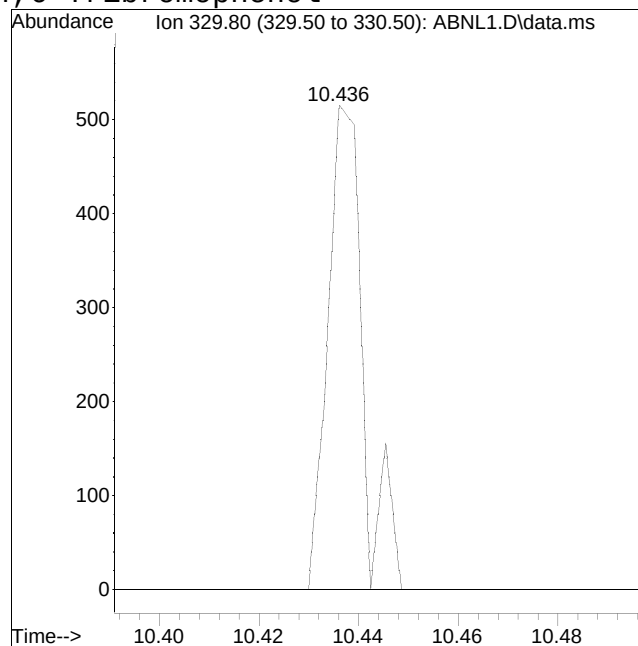
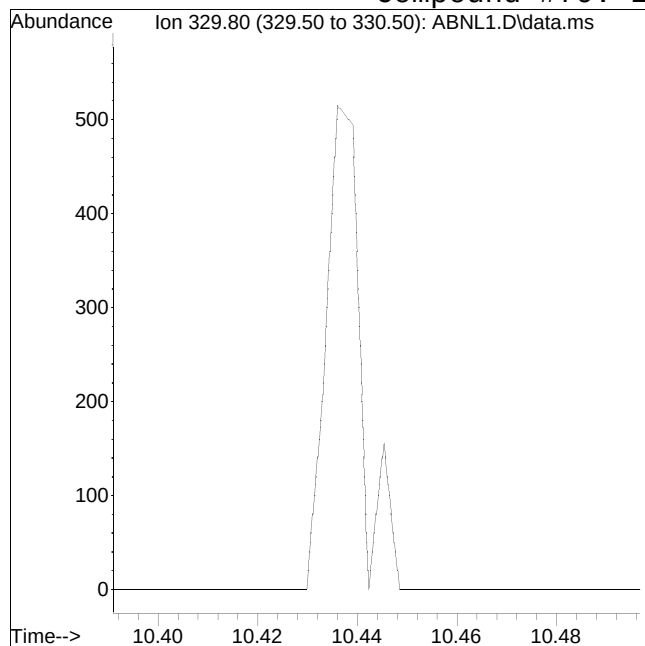
Manual Peak Response = 157 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL1.D Operator : SV107:ljb
Date Inj'd : 8/26/2025 10:14 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 4:37 pm

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0

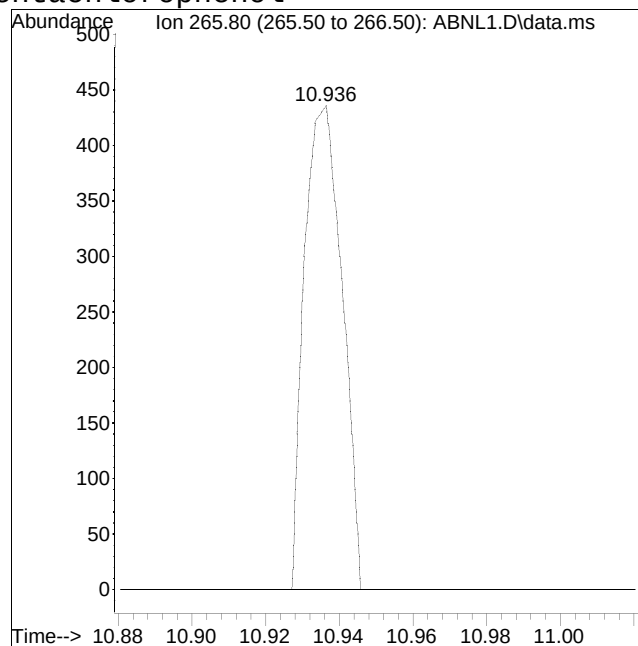
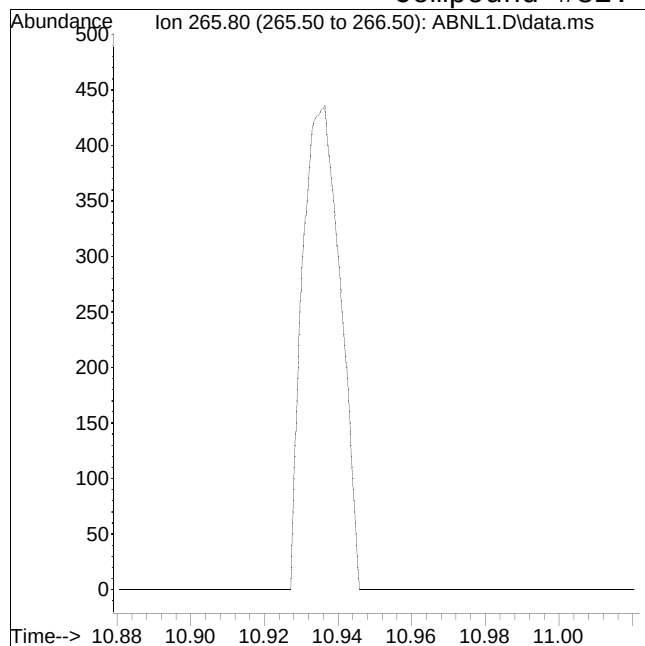
Manual Peak Response = 253 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNL1.D Operator : SV107:ljb
Date Inj'd : 8/26/2025 10:14 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1189 Quant Date : 8/28/2025 4:37 pm

Compound #82: Pentachlorophenol



Original Peak Response = 0

Manual Peak Response = 310 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNICV.D
 Acq On : 26 Aug 2025 10:39 pm
 Operator : SV107:ljj
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108478
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 29 06:20:00 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Aug 29 06:20:49 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2 t	n-Nitrosodimethylamine	0.659	0.684	-3.8	97	0.00
3 t	Pyridine	1.237	1.114	9.9	91	0.00
4 S	2-Fluorophenol	1.032	0.984	4.7	93	0.00
5 T	Aniline	1.692	1.650	2.5	93	0.00
6 t	2-Chlorophenol	1.228	1.153	6.1	93	0.00
7 S	Phenol-d6	1.268	1.254	1.1	95	0.00
8 T	Phenol	1.412	1.370	3.0	97	0.00
9 T	Bis(2-chloroethyl)ether	1.193	1.112	6.8	97	0.00
10 T	1,3-Dichlorobenzene	1.558	1.498	3.9	99	0.00
11 T	1,4-Dichlorobenzene	1.592	1.509	5.2	99	0.00
12 T	1,2-Dichlorobenzene	1.528	1.446	5.4	99	0.00
13 t	Benzyl alcohol	0.928	0.895	3.6	95	0.00
14 T	Bis(2-chloroisopropyl)ether	1.867	1.781	4.6	98	0.00
15 T	2-Methylphenol	1.040	1.042	-0.2	99	0.00
16 T	Hexachloroethane	0.584	0.545	6.7	96	0.00
17 T	n-Nitrosodi-n-propylamine	0.823	0.773	6.1	93	0.00
18 T	3-Methylphenol/4-Methylphen	1.102	1.091	1.0	96	0.00
19 S	Nitrobenzene-d5	1.172	1.076	8.2	92	0.00
20 T	Nitrobenzene	1.190	1.099	7.6	94	0.00
21 T	Isophorone	2.158	2.051	5.0	95	0.00
22 T	2-Nitrophenol	0.494	0.447	9.5	88	0.00
23 T	2,4-Dimethylphenol	1.154	1.148	0.5	97	0.00
24 T	Bis(2-chloroethoxy)methane	1.450	1.365	5.9	96	0.00
25 T	2,4-Dichlorophenol	1.111	1.092	1.7	94	0.00
26 T	1,2,4-Trichlorobenzene	1.448	1.382	4.6	101	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	103	0.00
36 T	Naphthalene	1.054	0.995	5.6	99	0.00
37 T	Benzoic Acid	* 5.000	3.981	20.4#	80	0.00
38 T	4-Chloroaniline	0.120	0.114	5.0	95	0.00
39 T	Hexachlorobutadiene	0.231	0.217	6.1	101	0.00
40 T	p-Chloro-m-cresol	0.256	0.248	3.1	95	0.00
41 T	2-Methylnaphthalene	0.632	0.613	3.0	99	0.00
42 T	1-Methylnaphthalene	0.240	0.227	5.4	98	0.00
43 T	Hexachlorocyclopentadiene	0.244	0.235	3.7	99	0.00
44 T	2,4,6-Trichlorophenol	0.214	0.211	1.4	92	0.00
45 T	2,4,5-Trichlorophenol	0.230	0.232	-0.9	98	0.00
46 S	2-Fluorobiphenyl	0.872	0.813	6.8	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNICV.D
 Acq On : 26 Aug 2025 10:39 pm
 Operator : SV107:ljj
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108478
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 29 06:20:00 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Aug 29 06:20:49 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.734	0.700	4.6	100	0.00
48 T	2-Nitroaniline	0.159	0.152	4.4	94	0.00
49 T	1,4-Dinitrobenzene	0.077	0.069	10.4	90	0.00
50 T	1,3-Dinitrobenzene	0.093	0.083	10.8	89	0.00
51 T	Dimethyl phthalate	0.769	0.730	5.1	96	0.00
52 T	Acenaphthylene	1.100	1.043	5.2	96	0.00
53 T	2,6-Dinitrotoluene	0.131	0.133	-1.5	92	0.00
54 T	1,2-Dinitrobenzene	0.060	0.058	3.3	94	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	100	0.00
64 T	3-Nitroaniline	0.246	0.255	-3.7	94	0.00
65 T	Acenaphthene	1.144	1.077	5.9	98	0.00
66 T	2,4-Dinitrophenol	* 5.000	3.955	20.9#	86	0.00
67 T	Dibenzofuran	1.834	1.739	5.2	97	0.00
68 T	2,4-Dinitrotoluene	* 5.000	4.354	12.9	90	0.00
69 T	4-Nitrophenol	0.185	0.173	6.5	87	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.304	0.305	-0.3	93	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.300	0.294	2.0	91	0.00
72 T	Diethyl phthalate	1.280	1.241	3.0	96	0.00
73 T	Fluorene	1.409	1.370	2.8	97	0.00
74 T	4-Chlorophenyl phenyl ether	0.719	0.661	8.1	95	0.00
75 T	4-Nitroaniline	0.246	0.239	2.8	95	0.00
76 T	4,6-Dinitro-o-cresol	* 5.000	4.089	18.2	87	0.00
77 T	NDPA/DPA	1.112	1.101	1.0	96	0.00
78 T	Azobenzene	1.133	1.116	1.5	96	0.00
79 S	2,4,6-Tribromophenol	0.152	0.147	3.3	89	0.00
80 T	4-Bromophenyl phenyl ether	0.383	0.368	3.9	97	0.00
81 T	Hexachlorobenzene	0.399	0.376	5.8	98	0.00
82 T	Pentachlorophenol	0.216	0.189	12.5	86	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	103	0.00
89 T	Phenanthrene	1.146	1.057	7.8	97	0.00
90 T	Anthracene	1.122	1.054	6.1	97	0.00
91 T	Carbazole	0.975	0.939	3.7	95	0.00
92 T	Di-n-butylphthalate	1.070	0.996	6.9	90	0.00
93 T	Fluoranthene	1.217	1.128	7.3	92	0.00
94 T	Benzidine	* 5.000	4.170	16.6	86	0.00
95 T	Pyrene	1.292	1.203	6.9	92	0.00
96 S	4-Terphenyl-d14	0.865	0.790	8.7	92	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNICV.D
 Acq On : 26 Aug 2025 10:39 pm
 Operator : SV107:ljj
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108478
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 29 06:20:00 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Aug 29 06:20:49 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	*	5.000	3.659	26.8#	84	0.00
104 I	IS1_Chrysene-d12		1.000	1.000	0.0	98	0.00
105 T	Benzo(a)anthracene		1.367	1.273	6.9	92	0.00
106 T	3,3'-Dichlorobenzidine		0.436	0.377	13.5	83	0.00
107 T	Chrysene		1.352	1.242	8.1	93	0.00
108 T	Bis(2-ethylhexyl)phthalate	*	5.000	4.060	18.8	86	0.00
109 T	Di-n-octylphthalate	*	5.000	3.779	24.4#	82	0.00
110 T	Benzo(b)fluoranthene		1.185	1.087	8.3	92	0.00
111 T	Benzo(k)fluoranthene		1.199	1.100	8.3	89	0.00
112 T	Benzo(a)pyrene		1.101	0.991	10.0	89	0.00
113 I	IS1_Perylene-d12		1.000	1.000	0.0	98	0.00
114 T	Indeno(1,2,3-cd)pyrene		1.111	1.000	10.0	83	0.00
115 T	Dibenzo(a,h)anthracene		1.154	1.037	10.1	83	0.00
116 T	Benzo(ghi)perylene		1.150	1.066	7.3	84	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNICV.D
 Acq On : 26 Aug 2025 10:39 pm
 Operator : SV107:ljj
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108478
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 29 06:20:00 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Aug 29 06:20:49 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.480	152	57803	4.000	ug/ml	0.00
Standard Area 1 = 56159			Recovery =	102.93%		
35) IS1_Naphthalene-d8	7.903	136	212204	4.000	ug/ml	# 0.00
Standard Area 1 = 205165			Recovery =	103.43%		
63) IS1_Acenaphthene-d10	9.668	164	119601	4.000	ug/ml	0.00
Standard Area 1 = 119448			Recovery =	100.13%		
88) IS1_Phenanthrene-d10	11.114	188	220787	4.000	ug/ml	0.00
Standard Area 1 = 214039			Recovery =	103.15%		
104) IS1_Chrysene-d12	13.771	240	181689	4.000	ug/ml	# 0.00
Standard Area 1 = 186272			Recovery =	97.54%		
113) IS1_Perylene-d12	15.254	264	163258	4.000	ug/ml	0.00
Standard Area 1 = 167117			Recovery =	97.69%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.581	112	71082	4.767	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	238.35%#		
7) Phenol-d6	6.094	99	90578	4.941	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	247.05%#		
19) Nitrobenzene-d5	7.132	82	77745	4.589	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	458.90%#		
46) 2-Fluorobiphenyl	9.028	172	215583	4.658	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	465.80%#		
79) 2,4,6-Tribromophenol	10.439	330	22047	4.838	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	241.90%#		
96) 4-Terphenyl-d14	12.711	244	218124	4.568	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	456.80%#		
Target Compounds						
2) n-Nitrosodimethylamine	2.184	74	49430	5.190	ug/ml#	74
3) Pyridine	2.231	79	80462	4.501	ug/ml#	63
5) Aniline	6.076	93	119221	4.877	ug/ml	97
6) 2-Chlorophenol	6.209	128	83321	4.696	ug/ml	93
8) Phenol	6.110	94	99016	4.851	ug/ml	96
9) Bis(2-chloroethyl)ether	6.203	93	80315	4.658	ug/ml	86
10) 1,3-Dichlorobenzene	6.402	146	108207	4.806	ug/ml	97
11) 1,4-Dichlorobenzene	6.501	146	109020	4.740	ug/ml	97
12) 1,2-Dichlorobenzene	6.672	146	104485	4.733	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNICV.D
 Acq On : 26 Aug 2025 10:39 pm
 Operator : SV107:ljj
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108478
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 29 06:20:00 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Aug 29 06:20:49 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.685	79	64669	4.820	ug/ml	97
14) Bis(2-chloroisopropyl)...	6.874	45	128664	4.769	ug/ml#	87
15) 2-Methylphenol	6.846	108	75278	5.007	ug/ml	98
16) Hexachloroethane	7.064	117	39411	4.667	ug/ml#	58
17) n-Nitrosodi-n-propylamine	7.008	70	55840	4.693	ug/ml	95
18) 3-Methylphenol/4-Methy...	7.033	108	78809	4.951	ug/ml	97
20) Nitrobenzene	7.154	77	79372	4.617	ug/ml	97
21) Isophorone	7.437	82	148204	4.752	ug/ml	98
22) 2-Nitrophenol	7.508	139	32316	4.523	ug/ml#	89
23) 2,4-Dimethylphenol	7.608	107	82927	4.973	ug/ml	100
24) Bis(2-chloroethoxy)met...	7.707	93	98654	4.707	ug/ml	99
25) 2,4-Dichlorophenol	7.773	162	78909	4.916	ug/ml#	94
26) 1,2,4-Trichlorobenzene	7.856	180	99890	4.773	ug/ml	97
36) Naphthalene	7.925	128	263895	4.718	ug/ml	99
37) Benzoic Acid	7.692	105	33881M1	3.981	ug/ml	
38) 4-Chloroaniline	8.006	65	30178	4.752	ug/ml	74
39) Hexachlorobutadiene	8.083	225	57529	4.693	ug/ml	98
40) p-Chloro-m-cresol	8.528	107	65763	4.851	ug/ml	97
41) 2-Methylnaphthalene	8.643	142	162555	4.845	ug/ml	94
42) 1-Methylnaphthalene	8.739	115	60133	4.733	ug/ml	97
43) Hexachlorocyclopentadiene	8.811	237	62209	4.814	ug/ml	98
44) 2,4,6-Trichlorophenol	8.938	196	55914	4.914	ug/ml	99
45) 2,4,5-Trichlorophenol	8.963	196	61610	5.053	ug/ml	99
47) 2-Chloronaphthalene	9.125	162	185606	4.767	ug/ml	94
48) 2-Nitroaniline	9.236	138	40390	4.794	ug/ml	86
49) 1,4-Dinitrobenzene	9.383	168	18410	4.495	ug/ml#	73
50) 1,3-Dinitrobenzene	9.451	168	22145	4.502	ug/ml#	1
51) Dimethyl phthalate	9.445	163	193621	4.748	ug/ml#	99
52) Acenaphthylene	9.525	152	276532	4.741	ug/ml	98
53) 2,6-Dinitrotoluene	9.488	165	35269	5.064	ug/ml#	78
54) 1,2-Dinitrobenzene	9.529	168	15402	4.872	ug/ml#	1
64) 3-Nitroaniline	9.640	138	38178	5.185	ug/ml	94
65) Acenaphthene	9.700	154	160984	4.705	ug/ml	93
66) 2,4-Dinitrophenol	9.746	184	15079	3.955	ug/ml#	82
67) Dibenzofuran	9.874	168	259993	4.742	ug/ml	91
68) 2,4-Dinitrotoluene	9.877	165	45655	4.354	ug/ml	95
69) 4-Nitrophenol	9.821	65	25823	4.661	ug/ml#	83
70) 2,3,5,6-Tetrachlorophenol	9.958	232	45536	5.007	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ABNICV.D
 Acq On : 26 Aug 2025 10:39 pm
 Operator : SV107:ljj
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108478
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 29 06:20:00 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Aug 29 06:20:49 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.998	232	43967	4.904	ug/ml	95
72)	Diethyl phthalate	10.144	149	185541	4.848	ug/ml	99
73)	Fluorene	10.206	166	204758	4.860	ug/ml	98
74)	4-Chlorophenyl phenyl ...	10.231	204	98811	4.596	ug/ml	89
75)	4-Nitroaniline	10.231	138	35737	4.868	ug/ml#	83
76)	4,6-Dinitro-o-cresol	10.268	198	21016	4.089	ug/ml#	60
77)	NDPA/DPA	10.343	169	164607	4.952	ug/ml	92
78)	Azobenzene	10.380	77	166872	4.924	ug/ml#	92
80)	4-Bromophenyl phenyl e...	10.703	248	54967	4.803	ug/ml#	85
81)	Hexachlorobenzene	10.741	284	56276	4.712	ug/ml#	88
82)	Pentachlorophenol	10.937	266	28293	4.390	ug/ml	98
89)	Phenanthrene	11.136	178	291648	4.610	ug/ml	99
90)	Anthracene	11.188	178	290796	4.694	ug/ml	98
91)	Carbazole	11.353	167	259039	4.814	ug/ml	98
92)	Di-n-butylphthalate	11.754	149	275006	4.658	ug/ml	99
93)	Fluoranthene	12.295	202	311269	4.632	ug/ml#	91
94)	Benzidine	12.453	184	157791	4.170	ug/ml#	94
95)	Pyrene	12.512	202	331953	4.653	ug/ml	99
97)	Butyl benzyl phthalate	13.249	149	92290	3.659	ug/ml	89
105)	Benzo(a)anthracene	13.762	228	289059	4.655	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.762	252	85720	4.333	ug/ml#	97
107)	Chrysene	13.799	228	282064	4.594	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.899	149	155296	4.060	ug/ml#	94
109)	Di-n-octylphthalate	14.595	149	222528	3.779	ug/ml#	74
110)	Benzo(b)fluoranthene	14.881	252	246766	4.586	ug/ml#	94
111)	Benzo(k)fluoranthene	14.909	252	249825	4.588	ug/ml#	94
112)	Benzo(a)pyrene	15.198	252	225085	4.499	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	16.261	276	204167	4.501	ug/mL#	92
115)	Dibenzo(a,h)anthracene	16.292	278	211576	4.491	ug/ml#	91
116)	Benzo(ghi)perylene	16.522	276	217481	4.635	ug/ml#	89

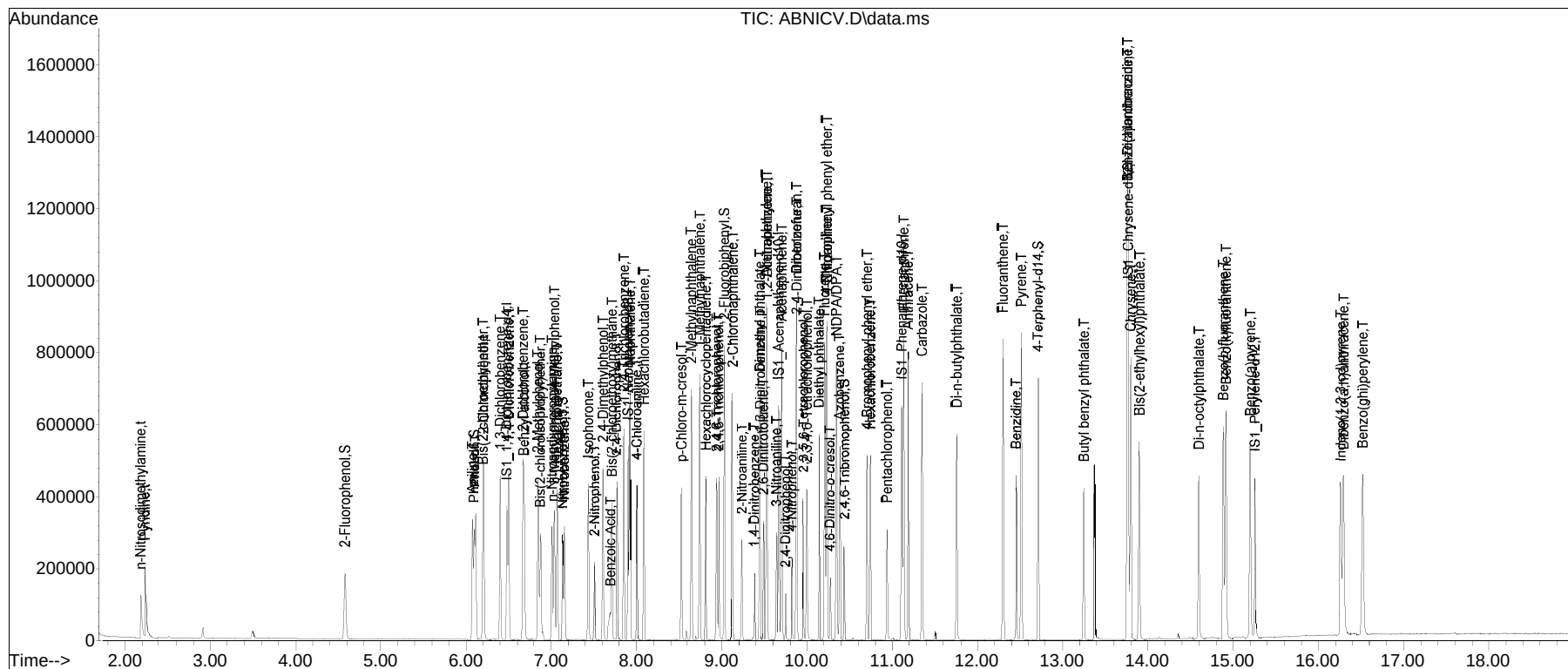
(#) = qualifier out of range (m) = manual integration (+) = signals summed

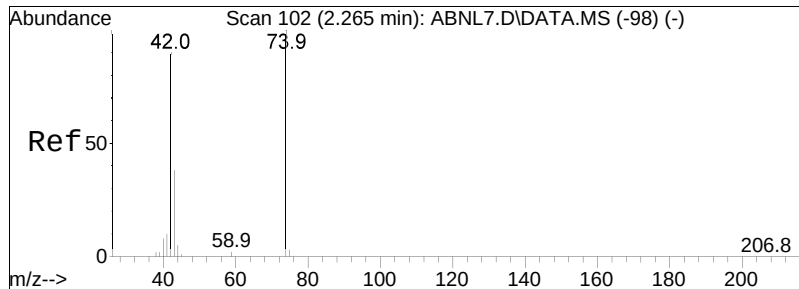
(QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
Data File : ABNICV.D
Acq On : 26 Aug 2025 10:39 pm
Operator : SV107:ljj
Sample : CQICV1,32,,ABNICV Lot# 11915
Misc : WG2108478
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 29 06:20:00 2025
Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 29 06:20:49 2025
Response via : Initial Calibration

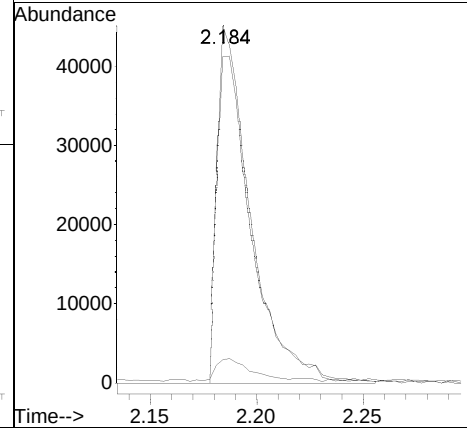
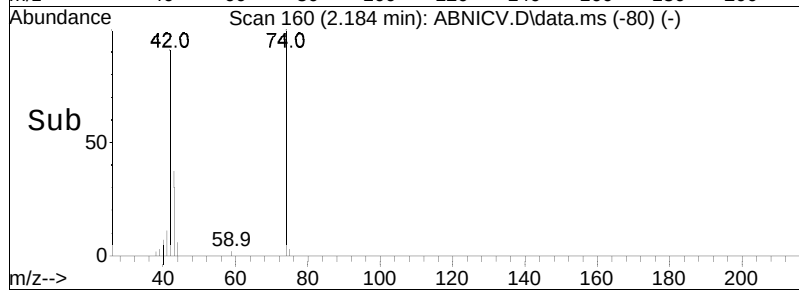
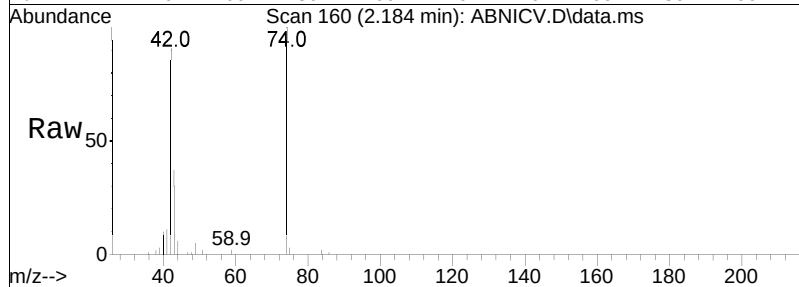
Sub List : ABNica\8270BBV10a\250026iscal\AP9L6a.D•

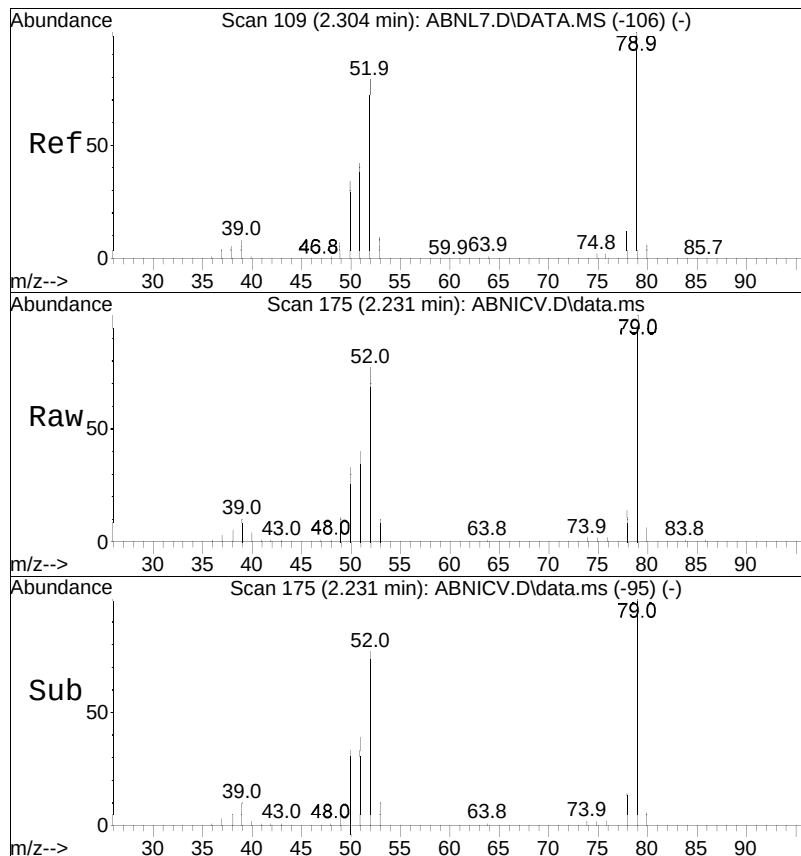




#2
 n-Nitrosodimethylamine
 Concen: 5.19 ug/ml
 RT: 2.184 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

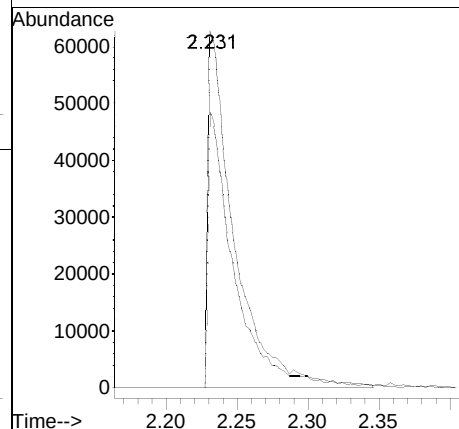
Tgt Ion: 74 Resp: 49430
 Ion Ratio Lower Upper
 74 100
 42 94.3 100.0 150.0#
 44 6.6 6.7 10.1#

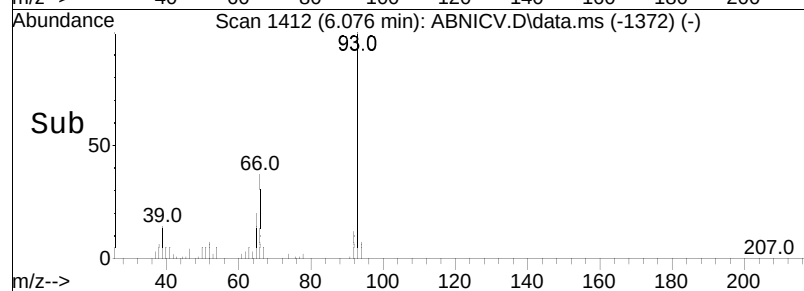
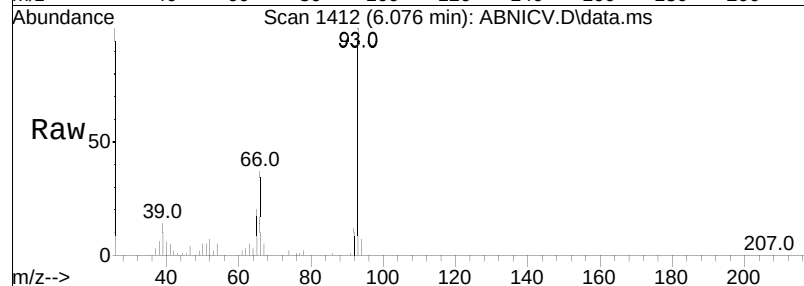
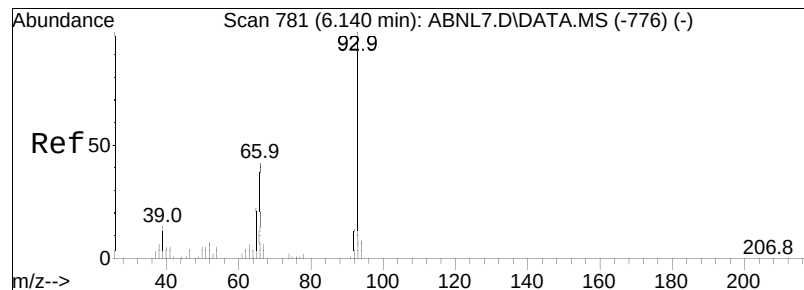




#3
 Pyridine
 Concen: 4.50 ug/ml
 RT: 2.231 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

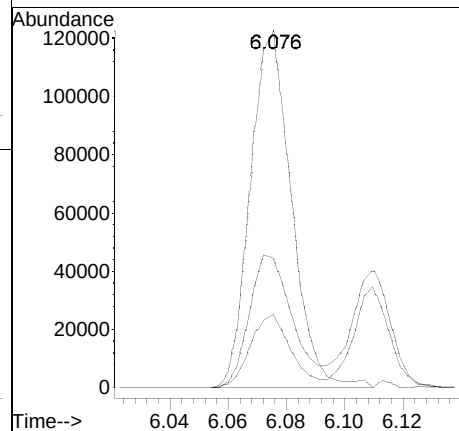
Tgt Ion	Ratio	Lower	Upper
79	100		
52	76.0	93.1	139.7#

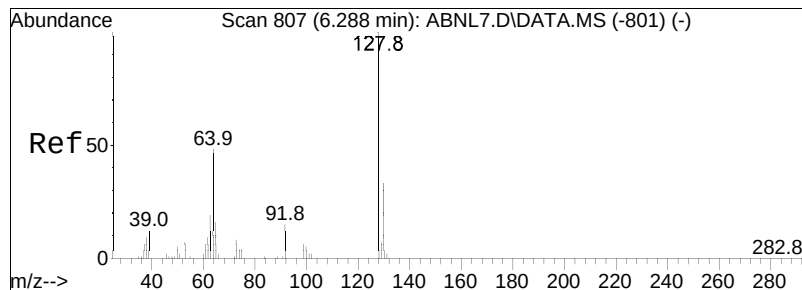




#5
 Aniline
 Concen: 4.88 ug/ml
 RT: 6.076 min Scan# 1412
 Delta R.T. 0.001 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

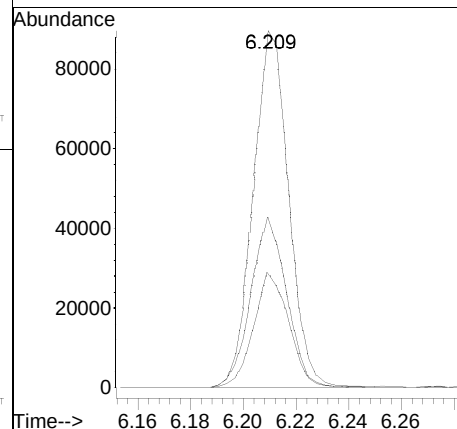
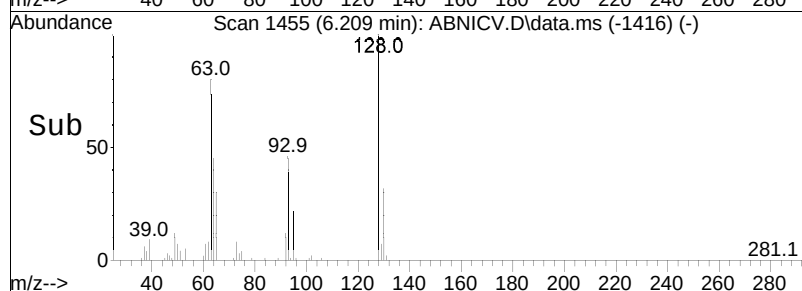
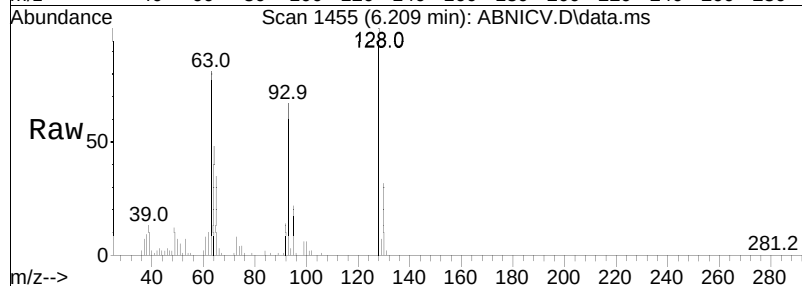
Tgt Ion:	93	Resp:	119221
Ion Ratio	Lower	Upper	
93	100		
66	39.0	32.6	49.0
65	20.3	17.6	26.4

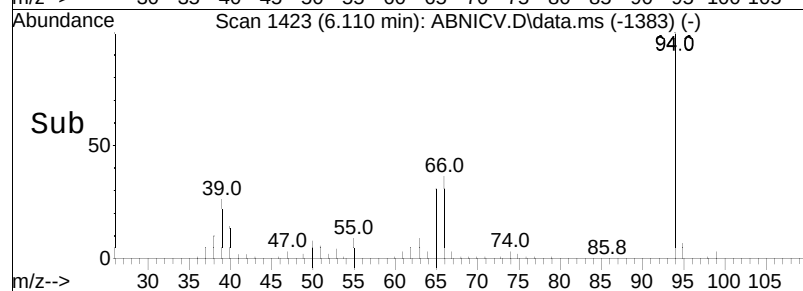
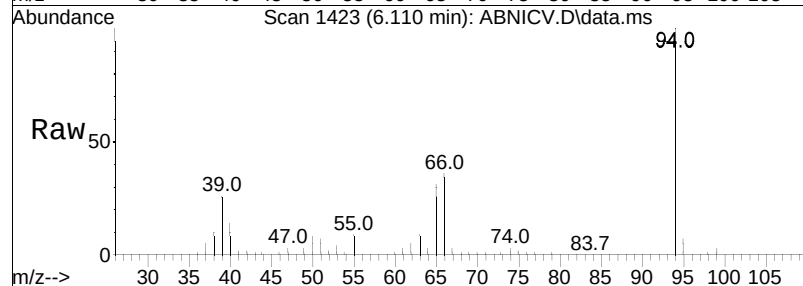
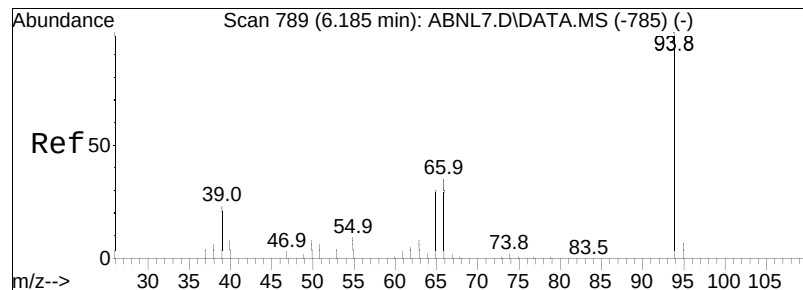




#6
 2-Chlorophenol
 Concen: 4.70 ug/ml
 RT: 6.209 min Scan# 1455
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

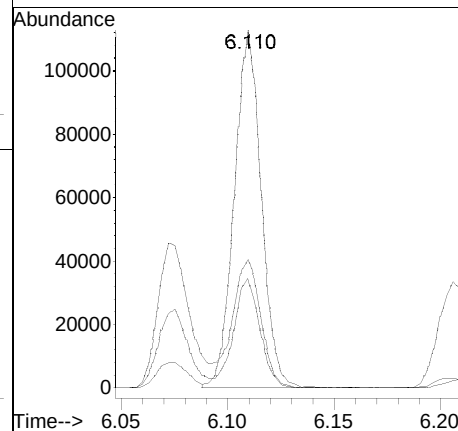
Tgt Ion	Ratio	Lower	Upper
128	100		
64	48.4	45.1	67.7
130	32.2	26.2	39.4

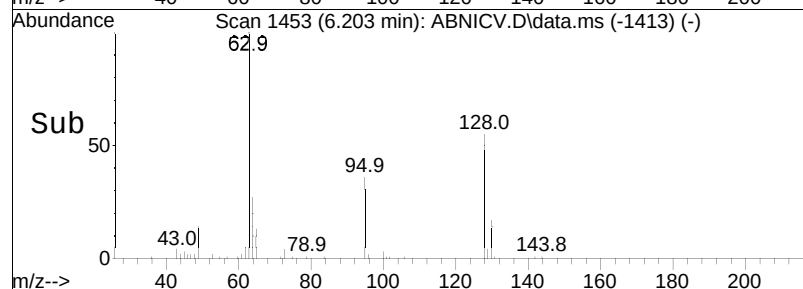
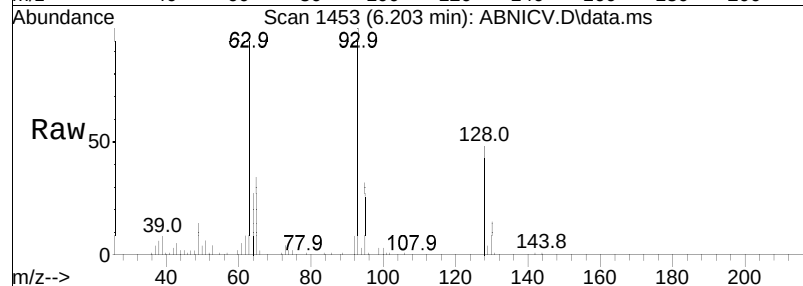
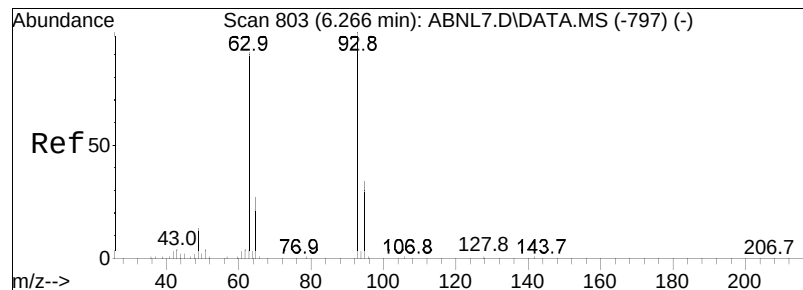




#8
 Phenol
 Concen: 4.85 ug/ml
 RT: 6.110 min Scan# 1423
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

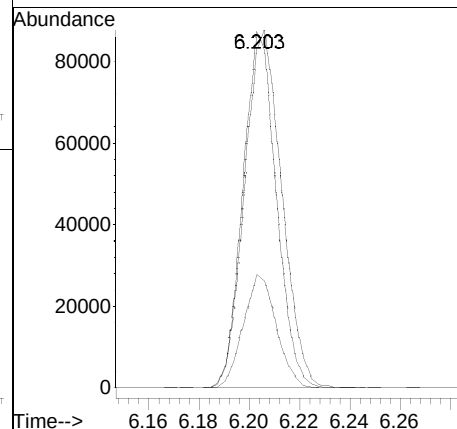
Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.4	26.0	39.0
66	39.5	33.8	50.8

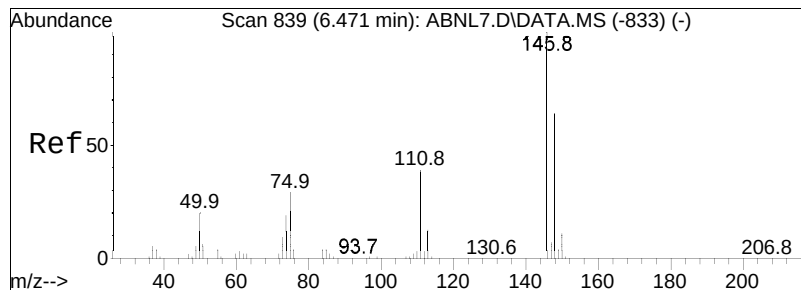




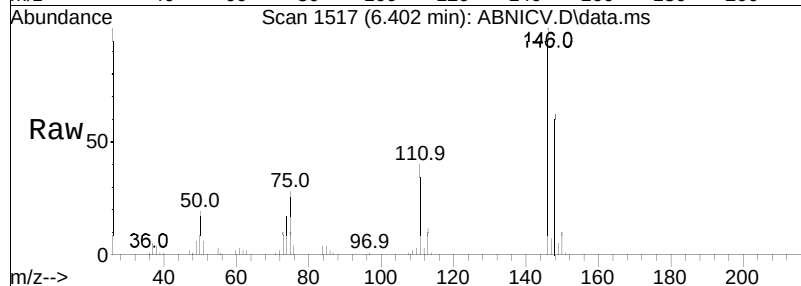
#9
 Bis(2-chloroethyl)ether
 Concen: 4.66 ug/ml
 RT: 6.203 min Scan# 1453
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

Tgt Ion:	93	Resp:	80315
Ion Ratio	Lower	Upper	
93	100		
63	111.4	74.6	111.8
95	31.6	25.9	38.9

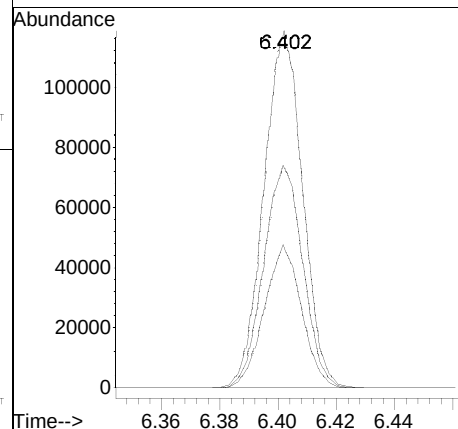
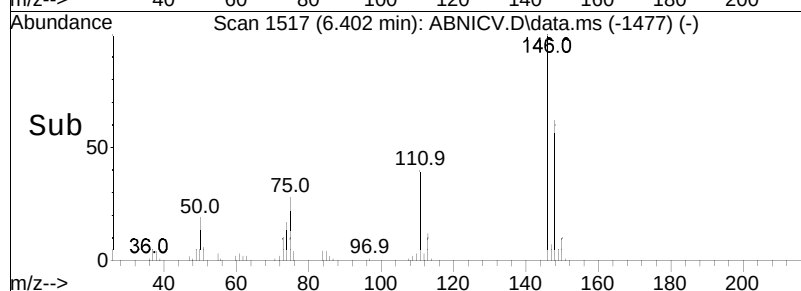


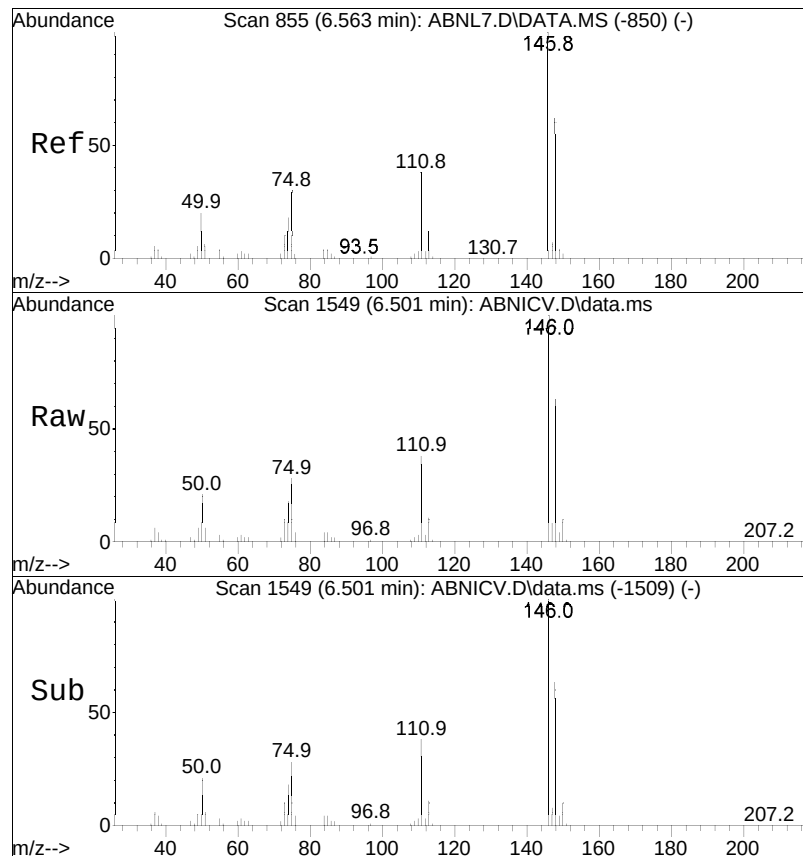


#10
 1,3-Dichlorobenzene
 Concen: 4.81 ug/ml
 RT: 6.402 min Scan# 1517
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm



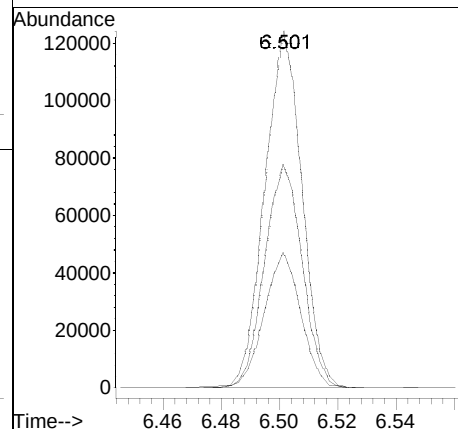
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	34.3	51.5
148	63.1	50.8	76.2

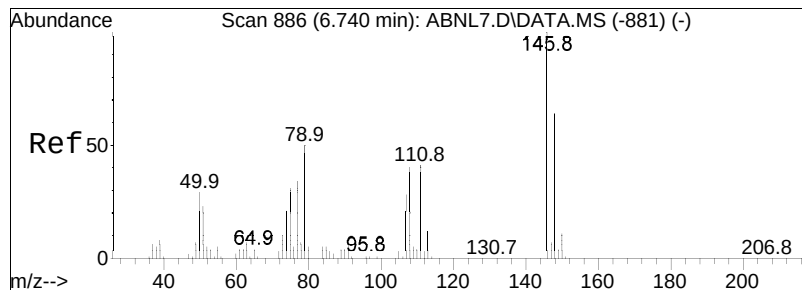




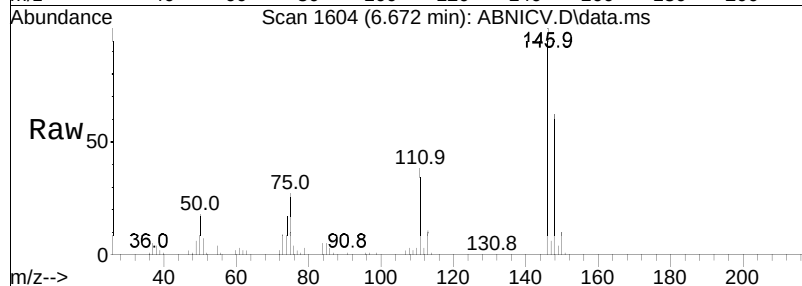
#11
 1,4-Dichlorobenzene
 Concen: 4.74 ug/ml
 RT: 6.501 min Scan# 1549
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

Tgt Ion:	146	Resp:	109020
Ion Ratio	Lower	Upper	
146	100		
148	63.7	50.7	76.1
111	38.1	33.4	50.0

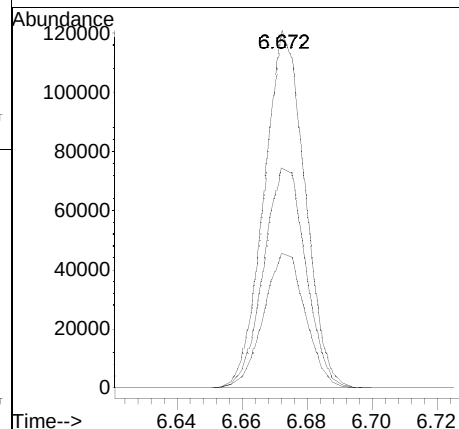
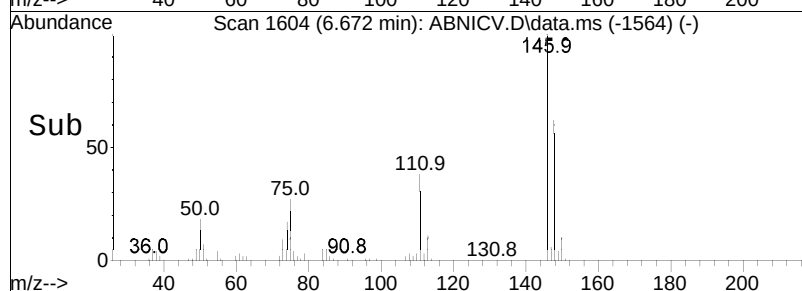


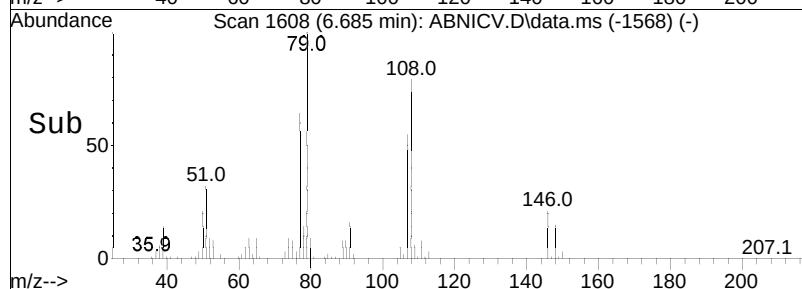
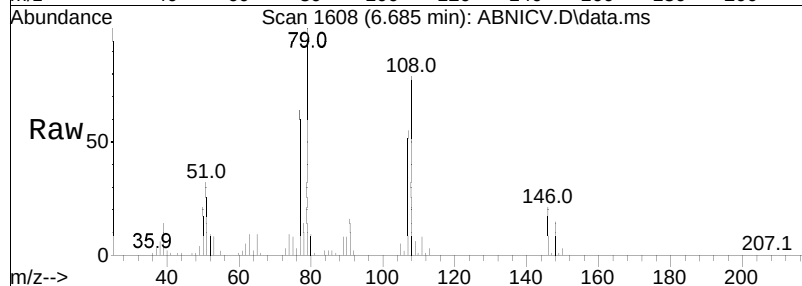
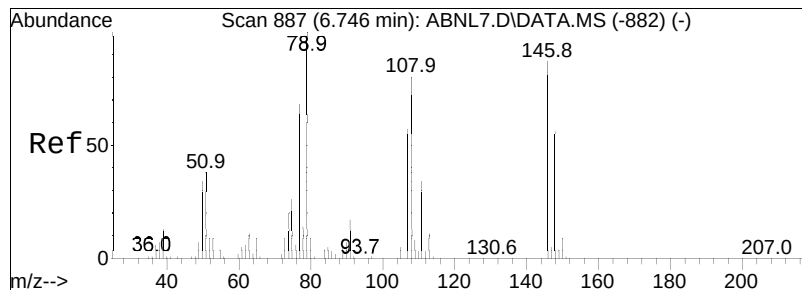


#12
 1,2-Dichlorobenzene
 Concen: 4.73 ug/ml
 RT: 6.672 min Scan# 1604
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm



Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	34.6	52.0
148	63.8	50.2	75.4





#13

Benzyl alcohol

Concen: 4.82 ug/ml

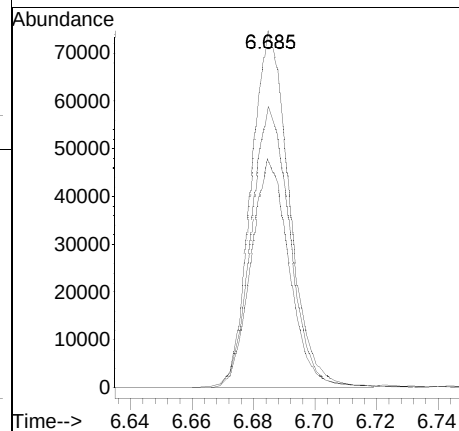
RT: 6.685 min Scan# 1608

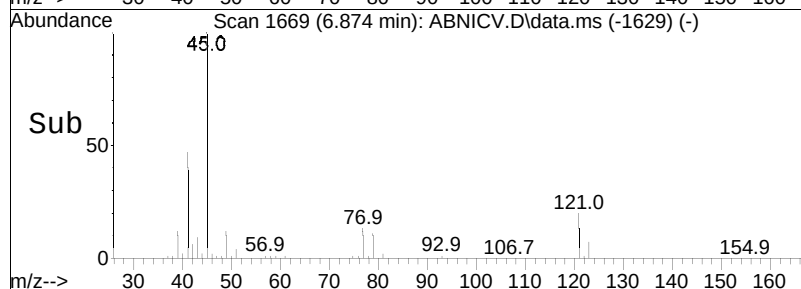
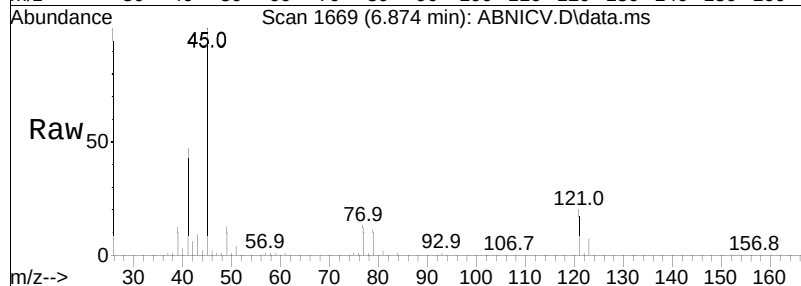
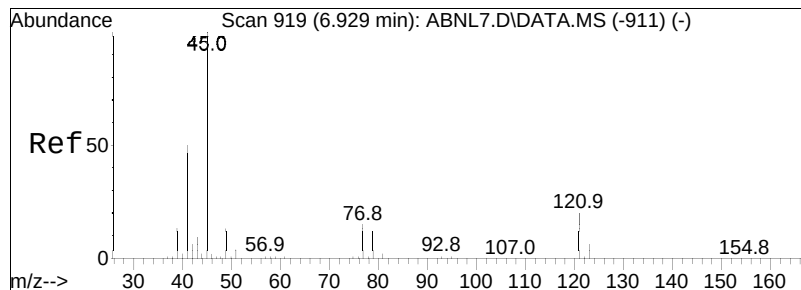
Delta R.T. -0.000 min

Lab File: ABNICV.D

Acq: 26 Aug 2025 10:39 pm

Tgt Ion:	79	Resp:	64669
Ion Ratio	Lower	Upper	
79	100		
77	64.5	54.9	82.3
108	80.1	63.1	94.7





#14

Bis(2-chloroisopropyl)ether

Concen: 4.77 ug/ml

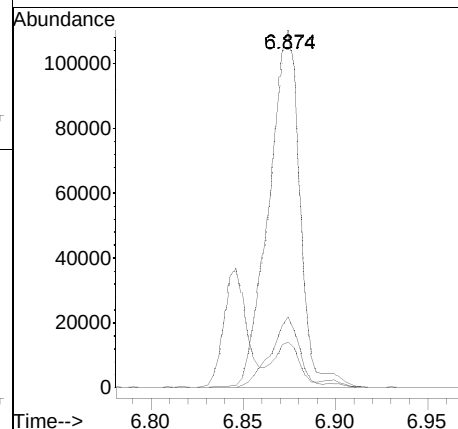
RT: 6.874 min Scan# 1669

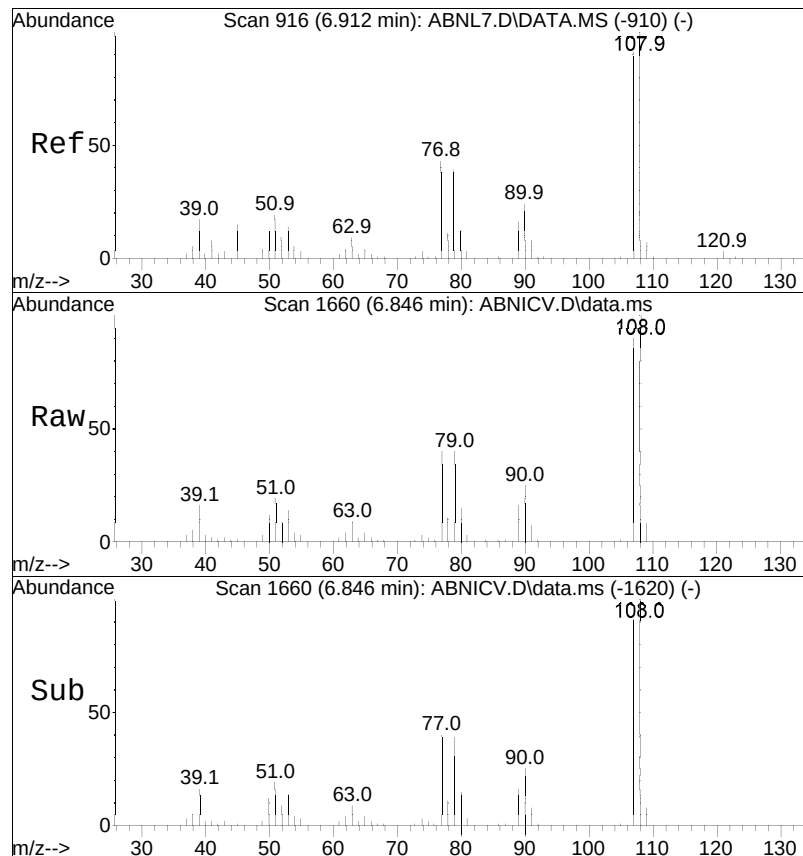
Delta R.T. 0.000 min

Lab File: ABNICV.D

Acq: 26 Aug 2025 10:39 pm

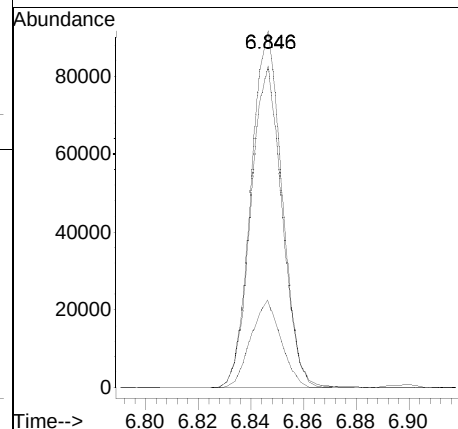
Tgt Ion:	45	Resp:	128664
Ion Ratio	Lower	Upper	
45	100		
121	18.3	9.8	14.6#
77	10.4	6.1	9.1#

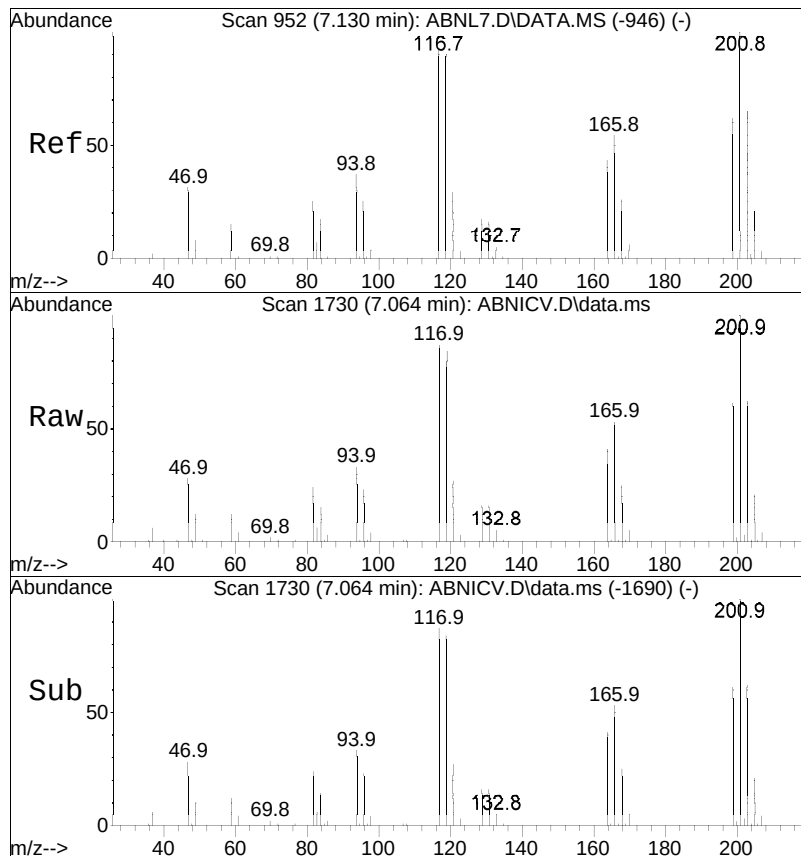




#15
 2-Methylphenol
 Concen: 5.01 ug/ml
 RT: 6.846 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

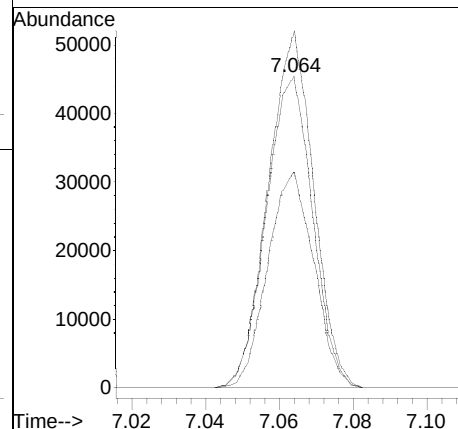
Tgt Ion:	108	Resp:	75278
Ion Ratio	Lower	Upper	
108	100		
107	90.4	70.7	106.1
90	24.0	18.7	28.1

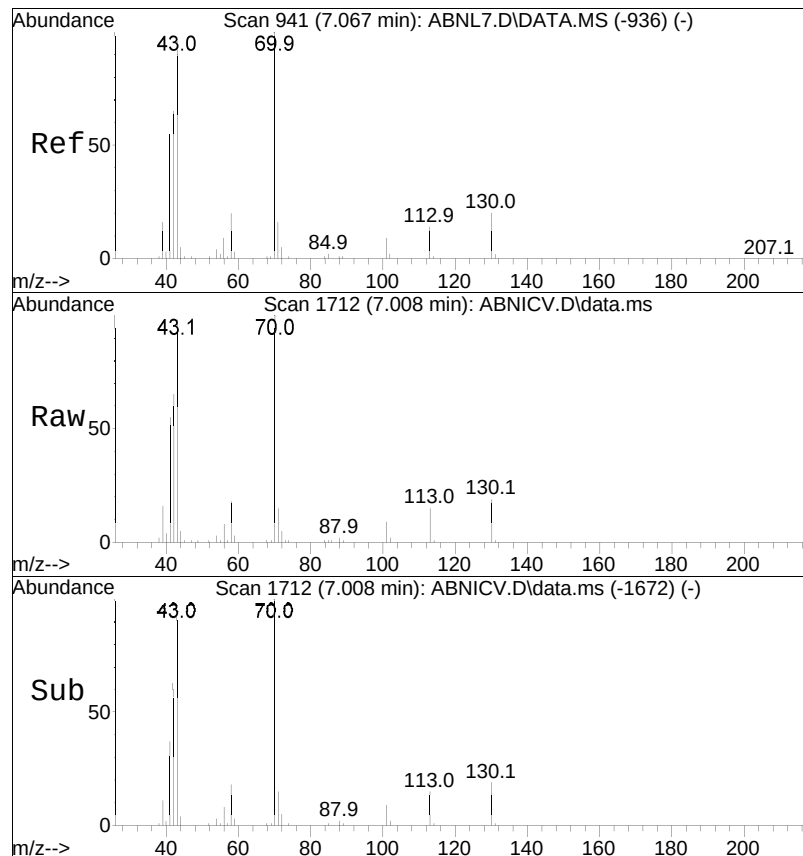




#16
 Hexachloroethane
 Concen: 4.67 ug/ml
 RT: 7.064 min Scan# 1730
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

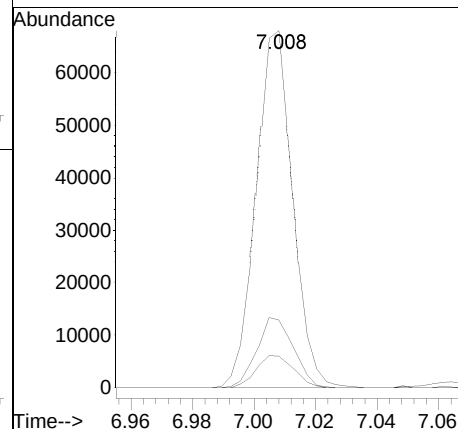
Tgt Ion:	117	Resp:	39411
Ion Ratio	Lower	Upper	
117	100		
201	112.3	58.6	87.8#
199	69.2	36.9	55.3#

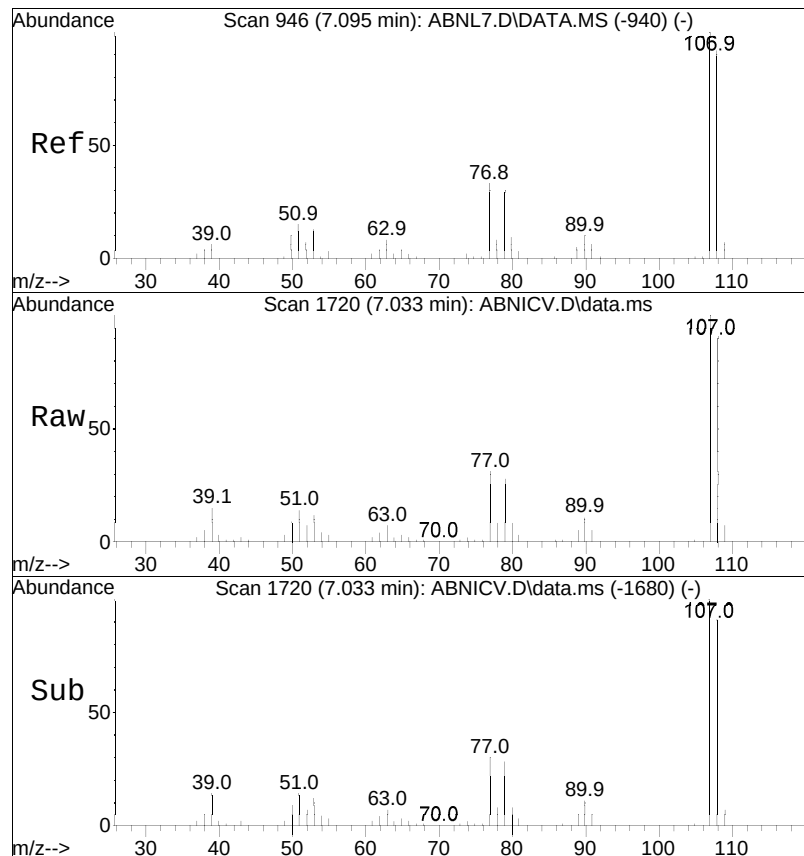




#17
 n-Nitrosodi-n-propylamine
 Concen: 4.69 ug/ml
 RT: 7.008 min Scan# 1712
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

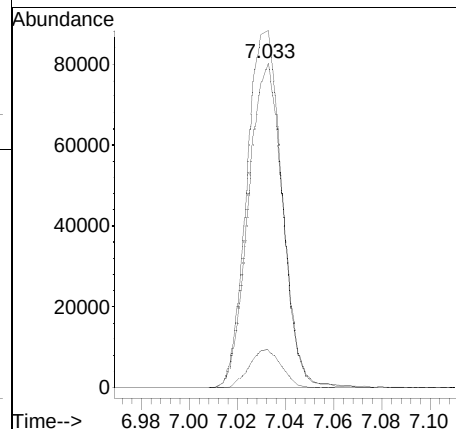
Tgt Ion:	70	Resp:	55840
Ion Ratio	Lower	Upper	
70	100		
130	19.7	18.2	27.4
101	9.3	7.8	11.8

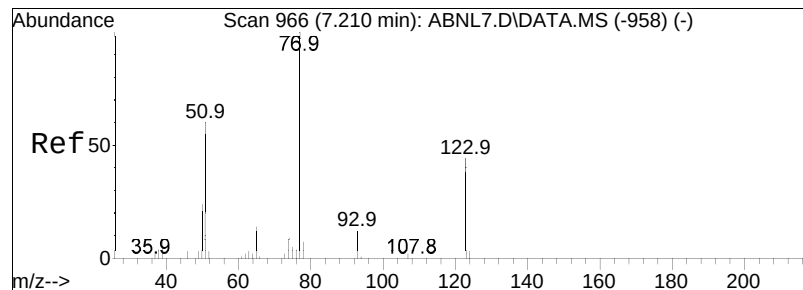




#18
 3-Methylphenol/4-Methylphenol
 Concen: 4.95 ug/ml
 RT: 7.033 min Scan# 1720
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

Tgt Ion:	108	Resp:	78809
Ion Ratio	Lower	Upper	
108	100		
107	113.8	88.6	132.8
90	11.4	8.8	13.2





#20

Nitrobenzene

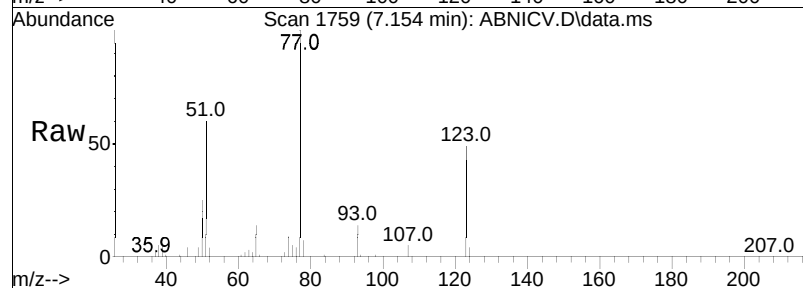
Concen: 4.62 ug/ml

RT: 7.154 min Scan# 1759

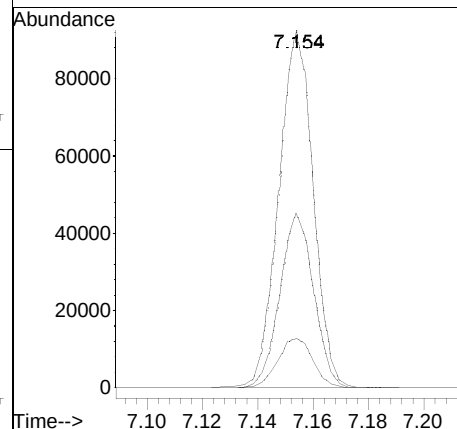
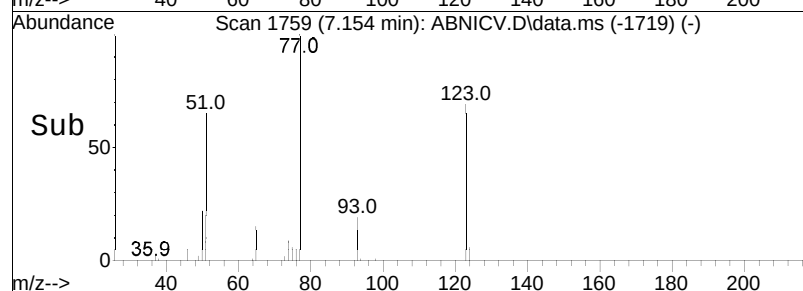
Delta R.T. 0.000 min

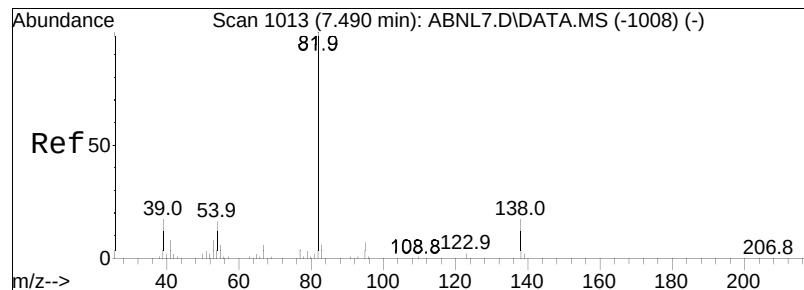
Lab File: ABNICV.D

Acq: 26 Aug 2025 10:39 pm



Tgt Ion:	77	Resp:	79372
Ion	Ratio	Lower	Upper
77	100		
123	47.8	36.3	54.5
65	14.3	11.6	17.4





#21

Isophorone

Concen: 4.75 ug/ml

RT: 7.437 min Scan# 1850

Delta R.T. -0.000 min

Lab File: ABNICV.D

Acq: 26 Aug 2025 10:39 pm

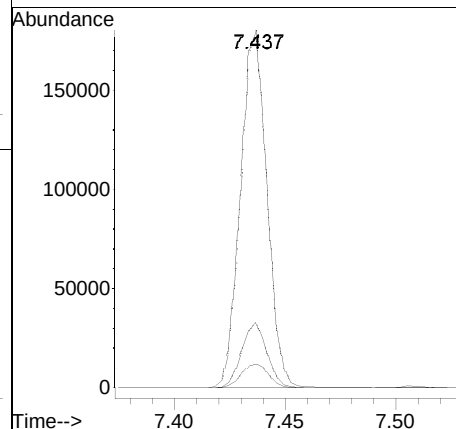
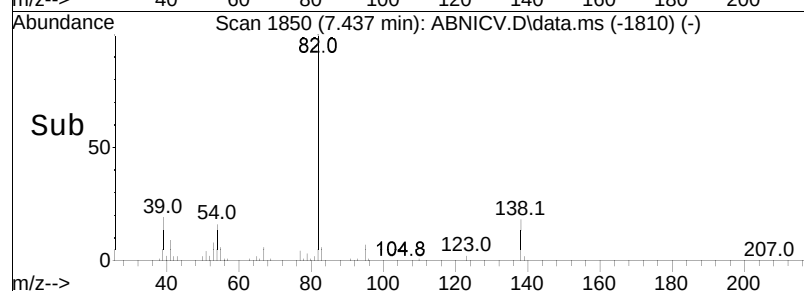
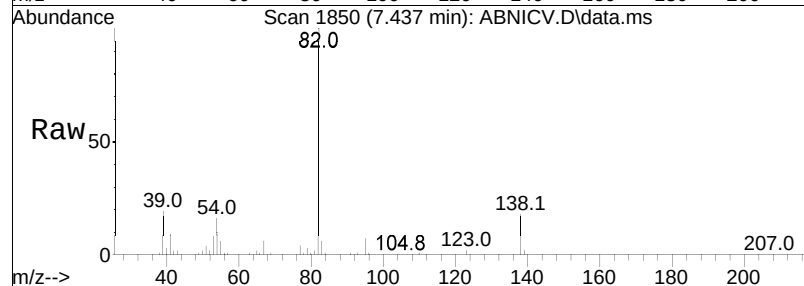
Tgt Ion: 82 Resp: 148204

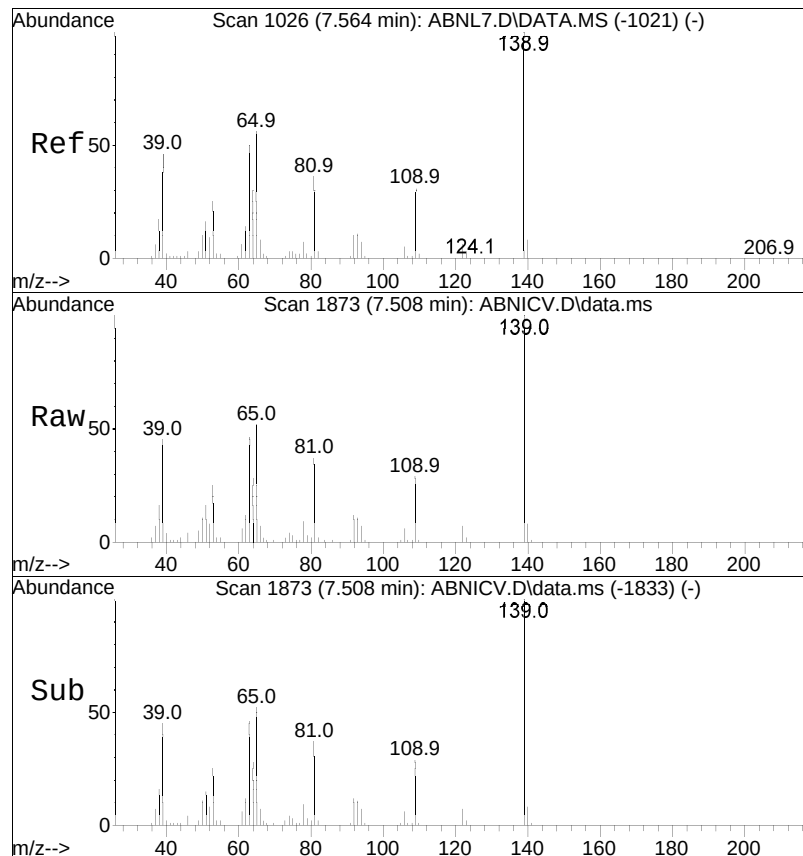
Ion Ratio Lower Upper

82 100

138 17.5 14.7 22.1

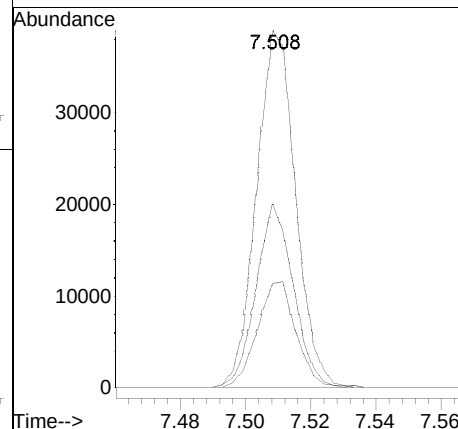
95 7.0 5.2 7.8

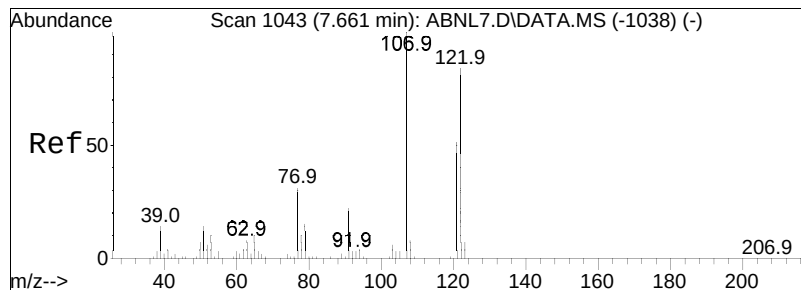




#22
 2-Nitrophenol
 Concen: 4.52 ug/ml
 RT: 7.508 min Scan# 1873
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

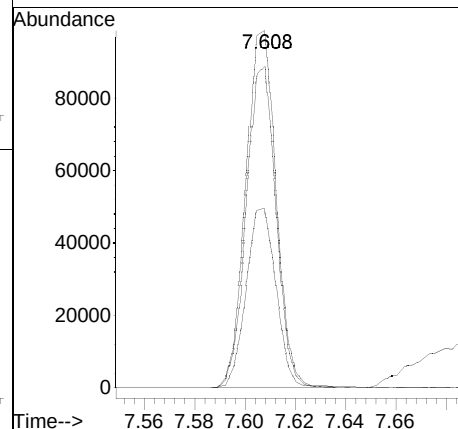
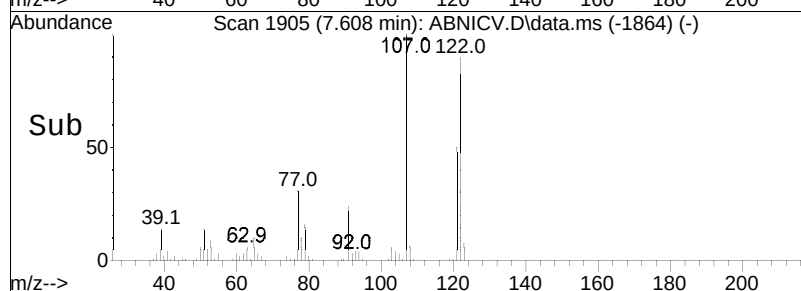
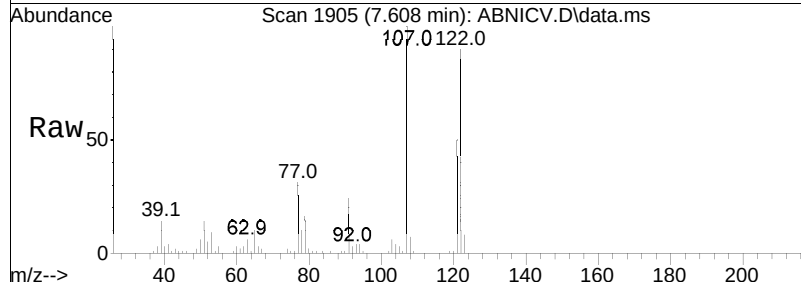
Tgt Ion:	139	Resp:	32316
Ion Ratio	Lower	Upper	
139	100		
109	29.4	19.4	29.0#
65	49.2	46.1	69.1

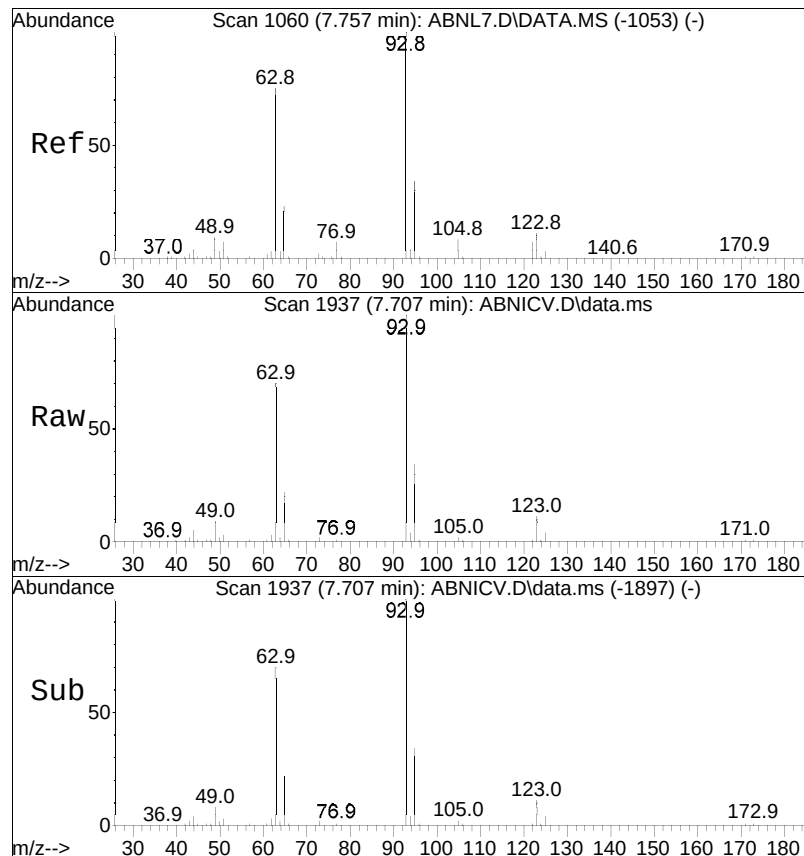




#23
 2,4-Dimethylphenol
 Concen: 4.97 ug/ml
 RT: 7.608 min Scan# 1905
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

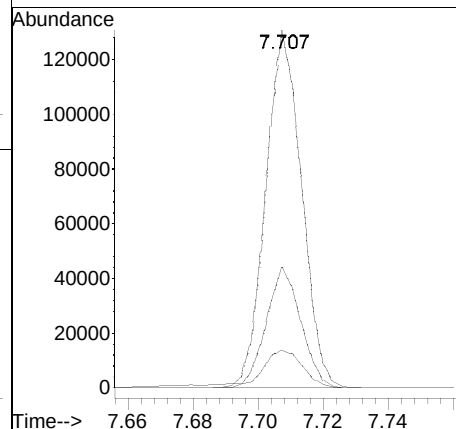
Tgt Ion:	107	Resp:	82927
Ion Ratio	Lower	Upper	
107	100		
121	49.4	40.0	60.0
122	87.8	70.2	105.4

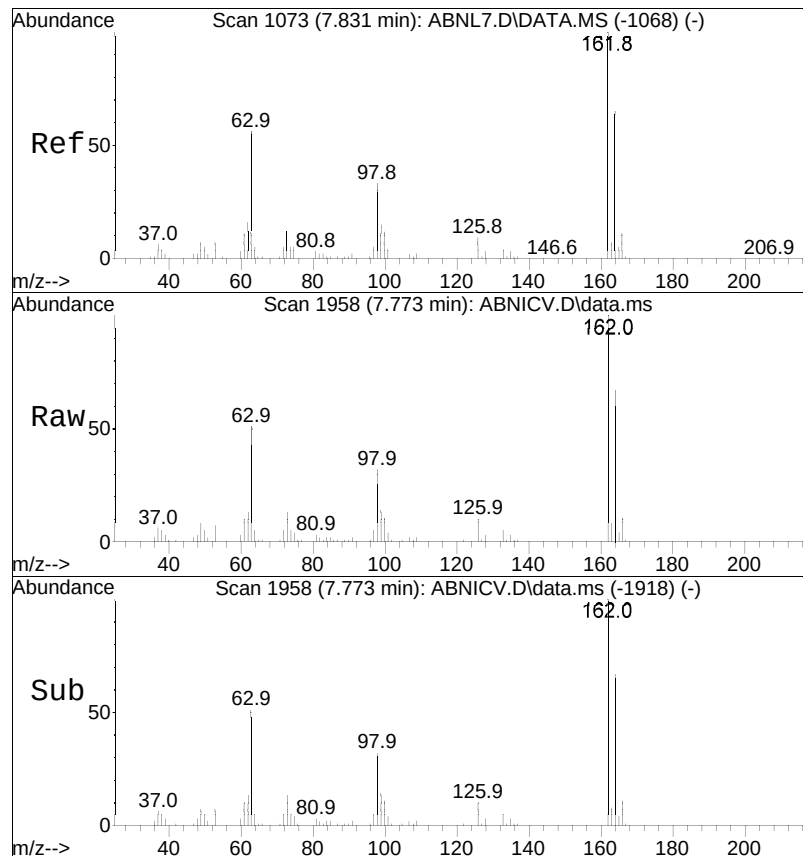




#24
 Bis(2-chloroethoxy)methane
 Concen: 4.71 ug/ml
 RT: 7.707 min Scan# 1937
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

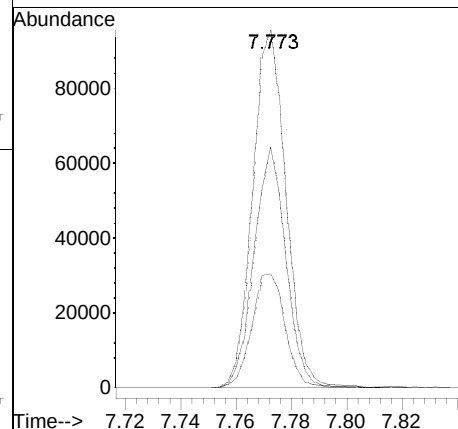
Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.8
123	13.4	10.1	15.1

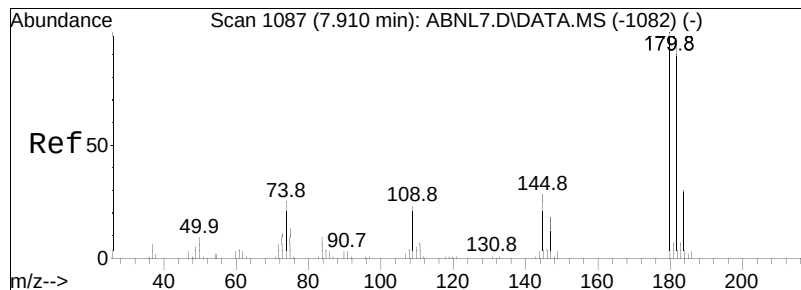




#25
 2,4-Dichlorophenol
 Concen: 4.92 ug/ml
 RT: 7.773 min Scan# 1958
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

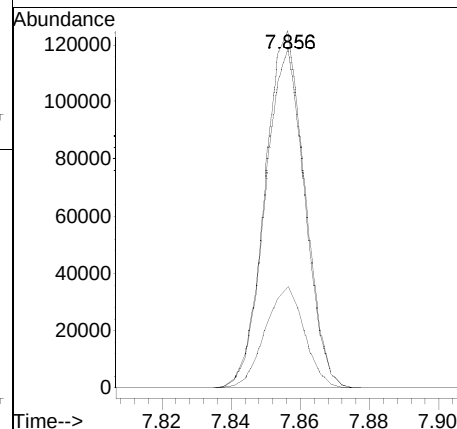
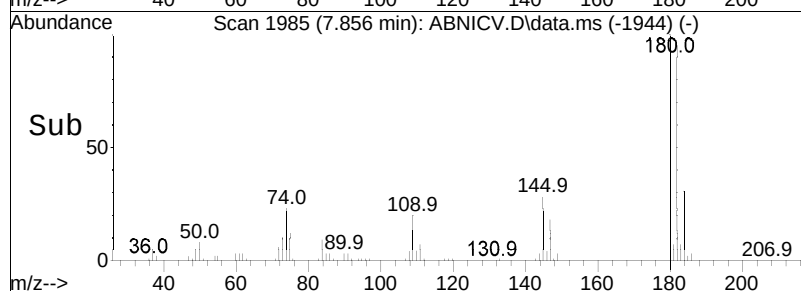
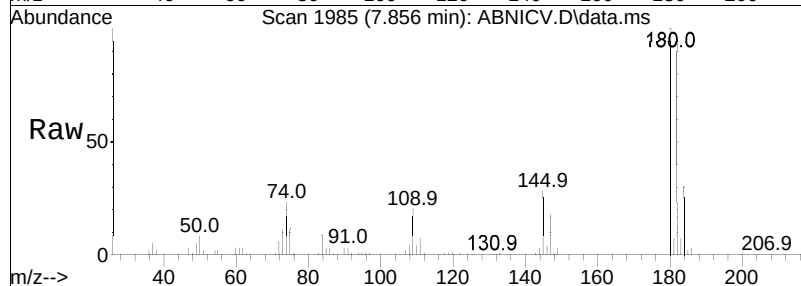
Tgt Ion:	162	Resp:	78909
Ion Ratio	Lower	Upper	
162	100		
164	64.5	51.0	76.4
98	32.1	32.2	48.2#

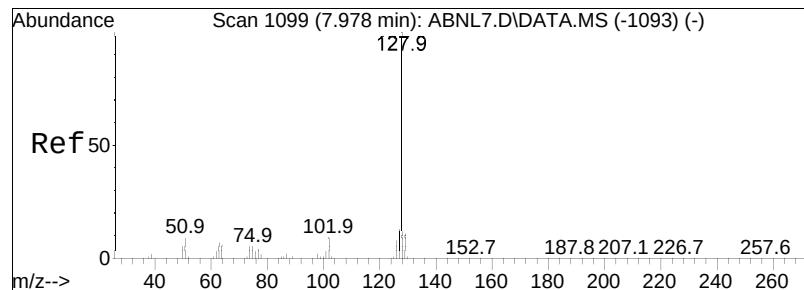




#26
 1,2,4-Trichlorobenzene
 Concen: 4.77 ug/ml
 RT: 7.856 min Scan# 1985
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

Tgt Ion:	180	Resp:	99890
Ion Ratio	Lower	Upper	
180	100		
182	94.1	76.0	114.0
145	27.9	25.7	38.5





#36

Naphthalene

Concen: 4.72 ug/ml

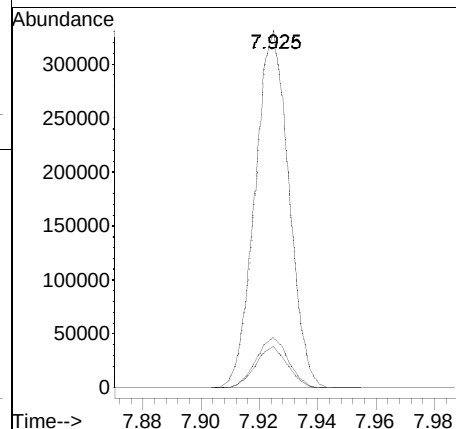
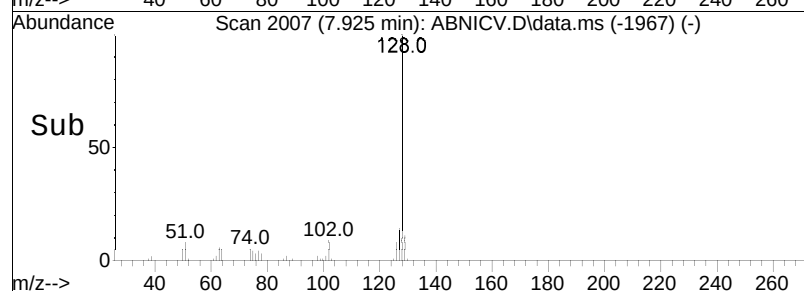
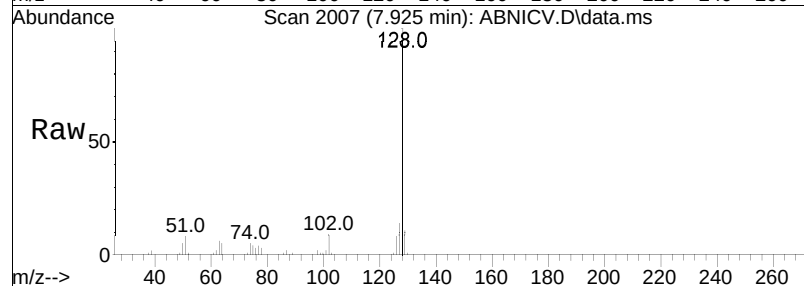
RT: 7.925 min Scan# 2007

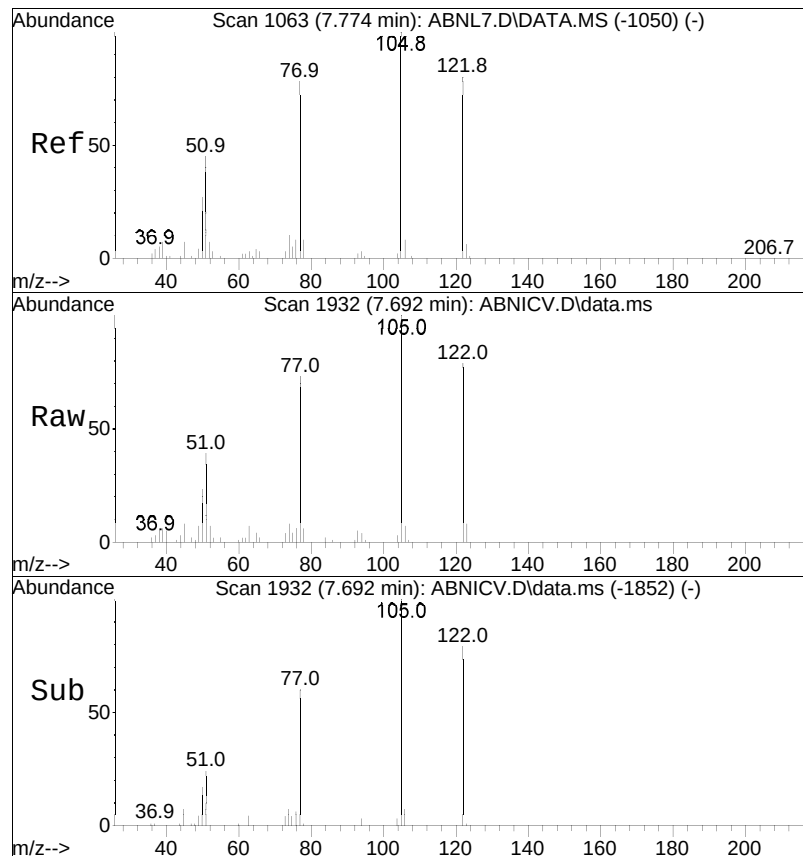
Delta R.T. -0.000 min

Lab File: ABNICV.D

Acq: 26 Aug 2025 10:39 pm

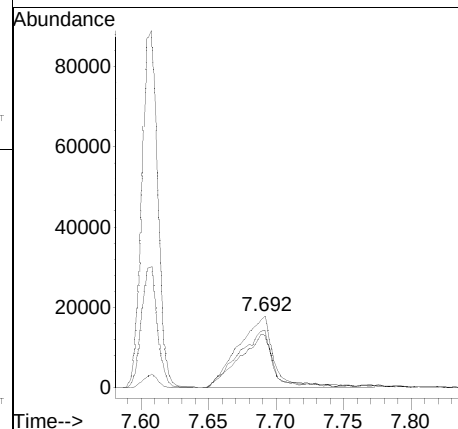
Tgt Ion:	128	Resp:	263895
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.7	13.1
127	13.7	10.3	15.5

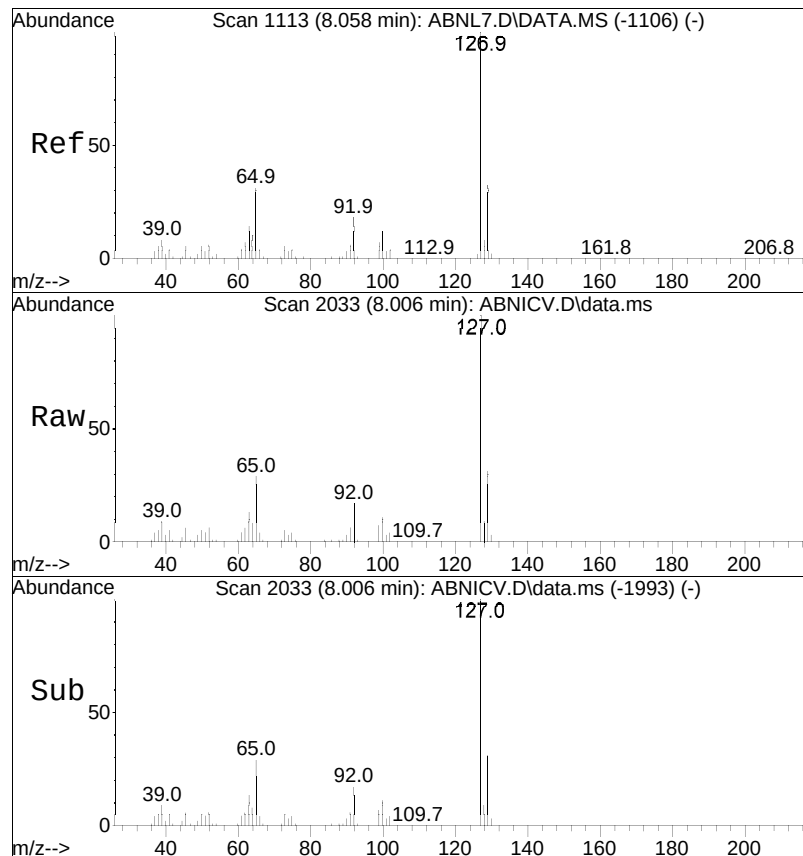




#37
 Benzoic Acid
 Concen: 3.98 ug/ml M1
 RT: 7.692 min Scan# 1932
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

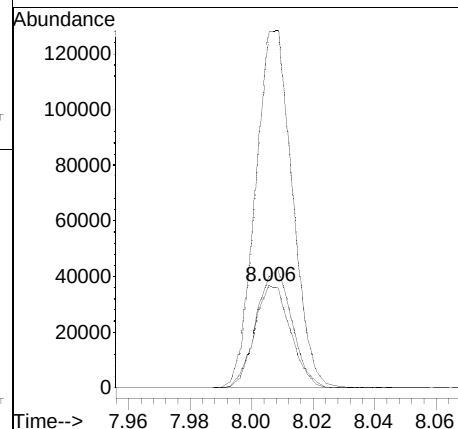
Tgt Ion:	105	Resp:	33881
Ion Ratio	Lower	Upper	
105	100		
122	75.2	59.9	89.9
77	67.0	60.1	90.1

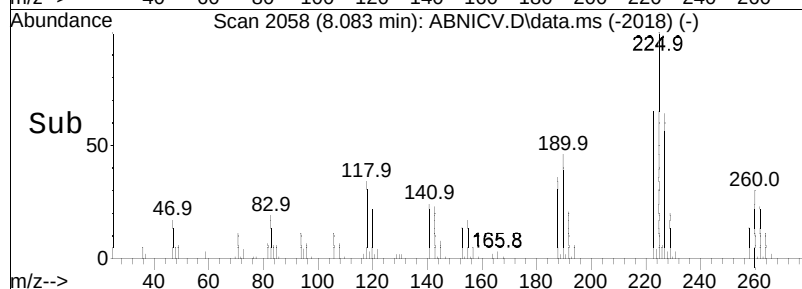
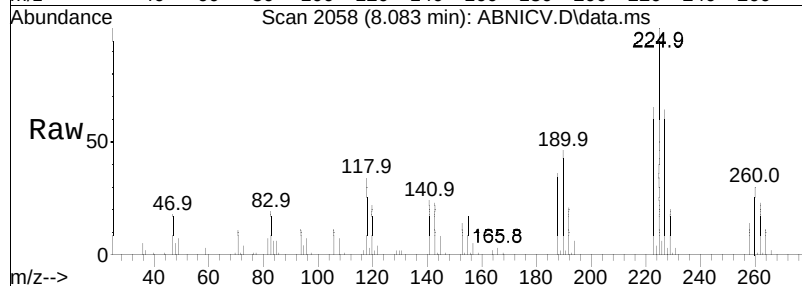
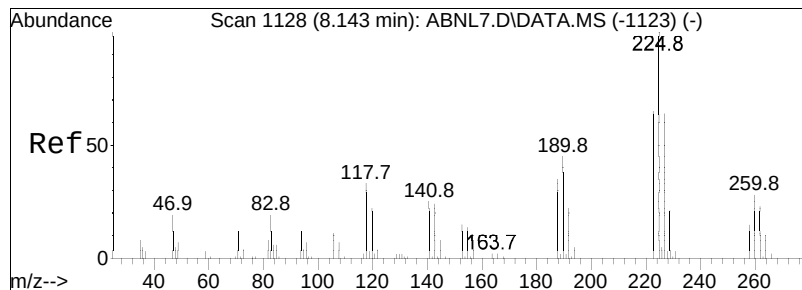




#38
 4-Chloroaniline
 Concen: 4.75 ug/ml
 RT: 8.006 min Scan# 2033
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

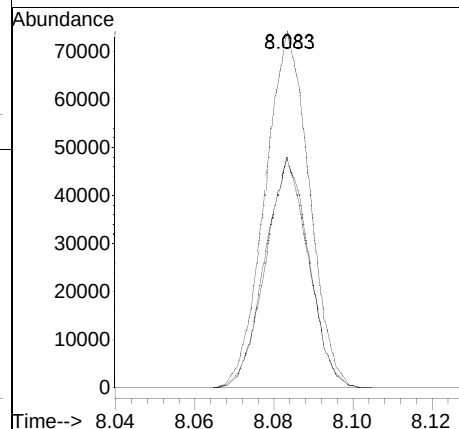
Tgt Ion:	65	Resp:	30178
Ion Ratio	Lower	Upper	
65	100		
127	351.6	237.6	356.4
129	113.2	76.3	114.5

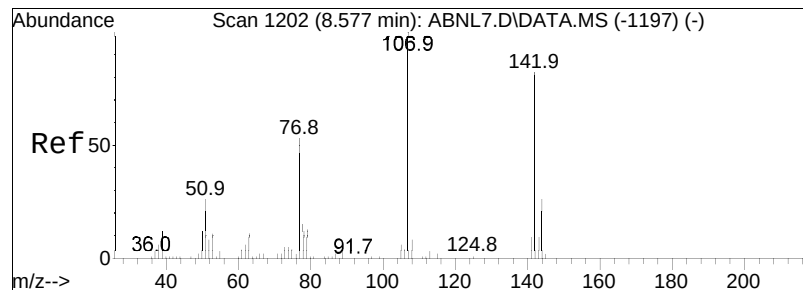




#39
 Hexachlorobutadiene
 Concen: 4.69 ug/ml
 RT: 8.083 min Scan# 2058
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

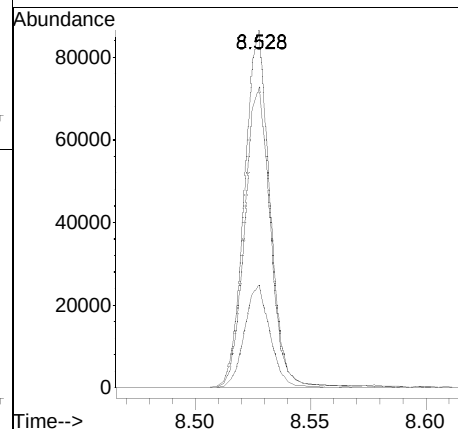
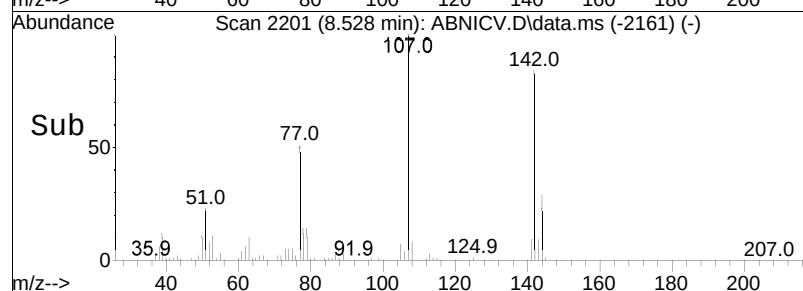
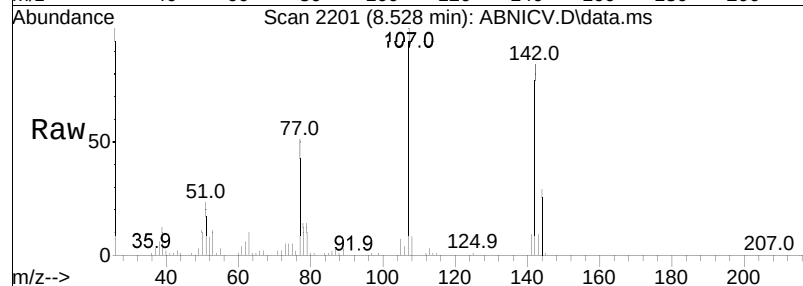
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57529		
223	63.6		50.3	75.5
227	63.4		52.2	78.2

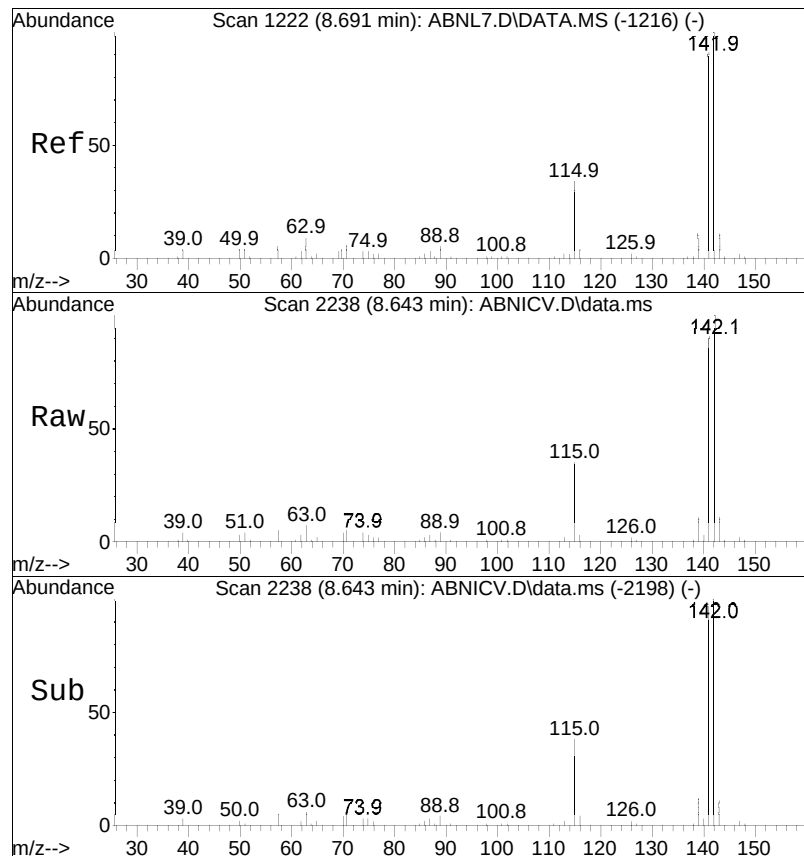




#40
 p-Chloro-m-cresol
 Concen: 4.85 ug/ml
 RT: 8.528 min Scan# 2201
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

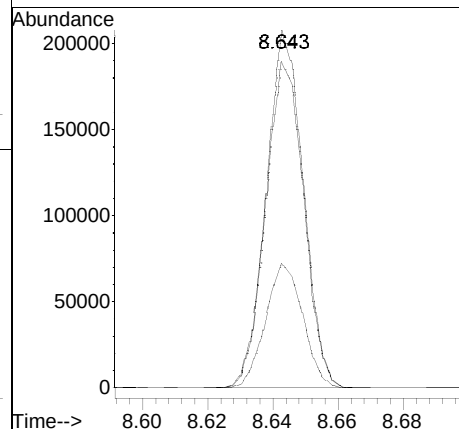
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	65763		
144	28.8		20.9	31.3
142	84.2		66.1	99.1

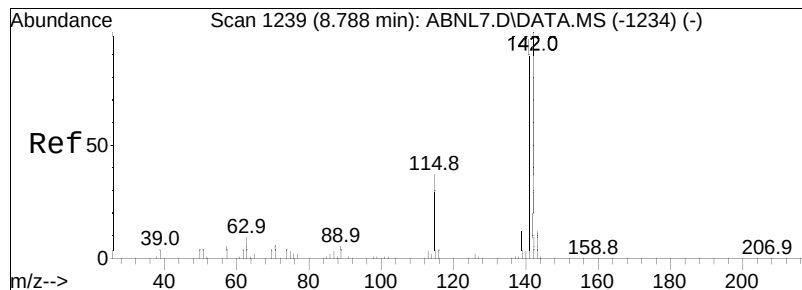




#41
 2-Methylnaphthalene
 Concen: 4.85 ug/ml
 RT: 8.643 min Scan# 2238
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

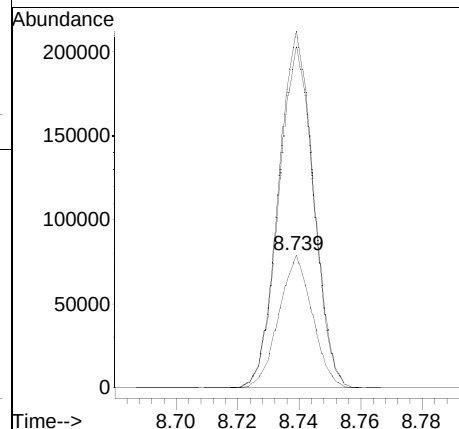
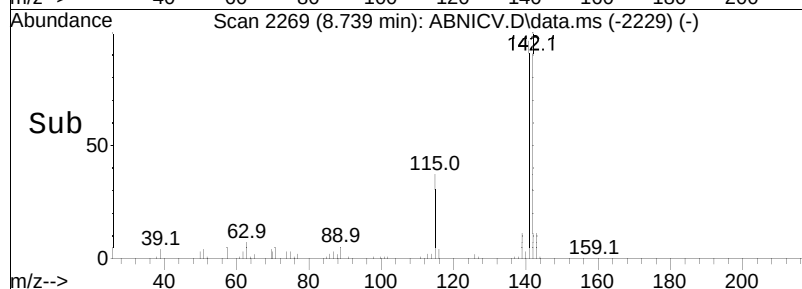
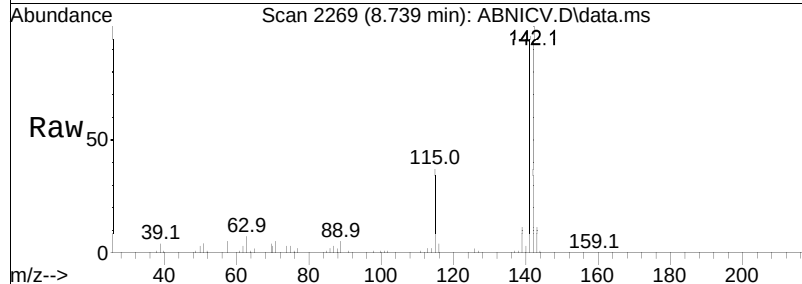
Tgt Ion:	142	Resp:	162555
Ion Ratio	Lower	Upper	
142	100		
141	93.5	69.6	104.4
115	35.2	26.6	40.0

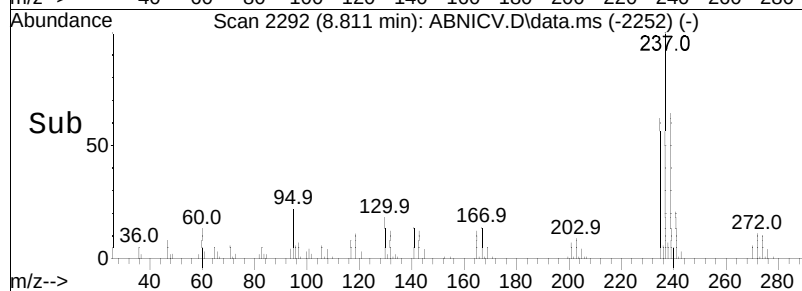
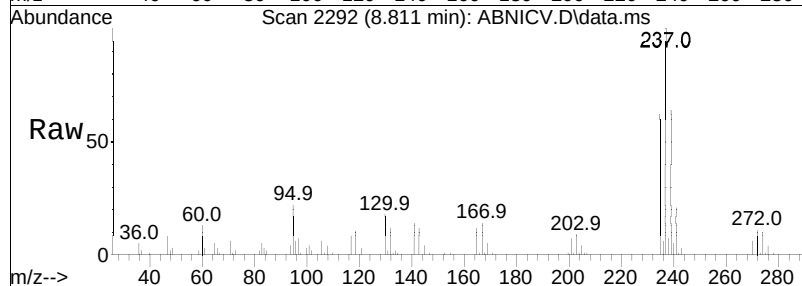
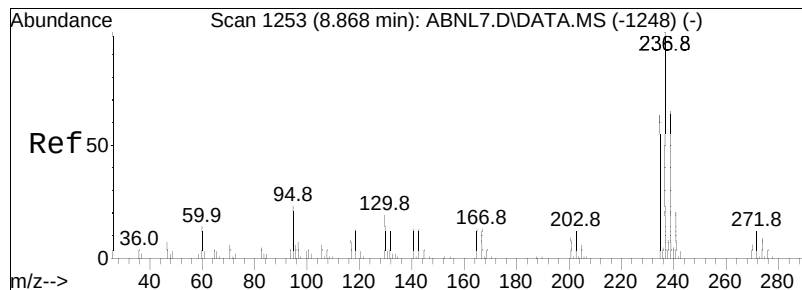




#42
 1-Methylnaphthalene
 Concen: 4.73 ug/ml
 RT: 8.739 min Scan# 2269
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

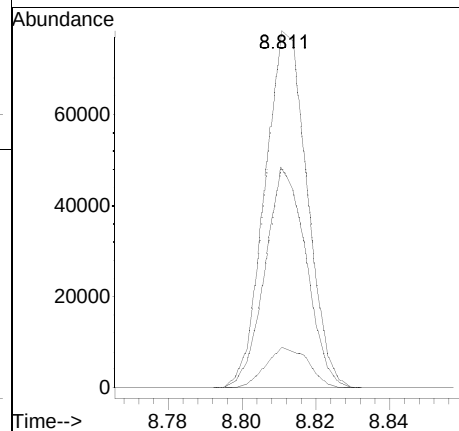
Tgt Ion:	115	Resp:	60133
Ion Ratio	Lower	Upper	
115	100		
141	265.8	207.8	311.6
142	279.1	226.8	340.2

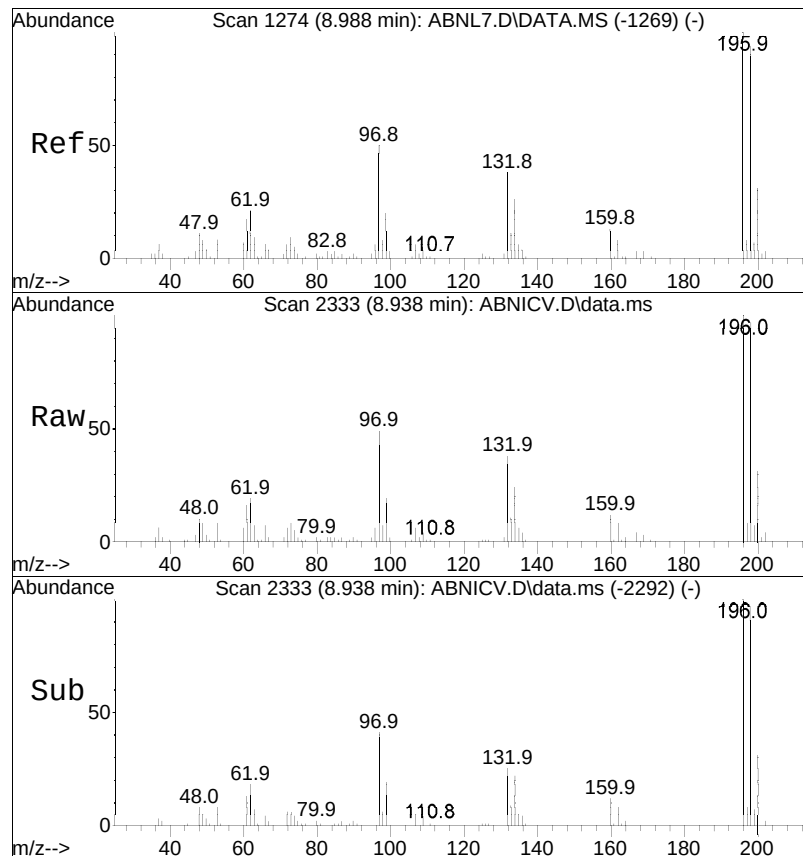




#43
 Hexachlorocyclopentadiene
 Concen: 4.81 ug/ml
 RT: 8.811 min Scan# 2292
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

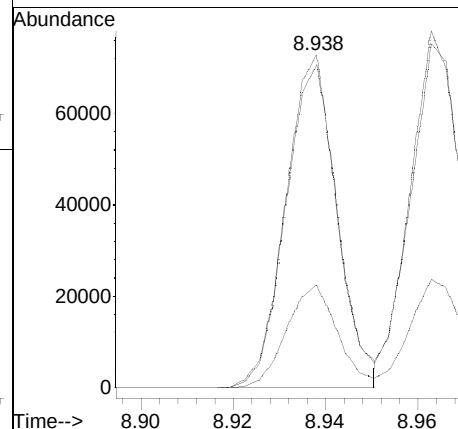
Tgt Ion	Ratio	Lower	Upper
237	100		
235	60.3	49.7	74.5
272	11.6	9.8	14.6

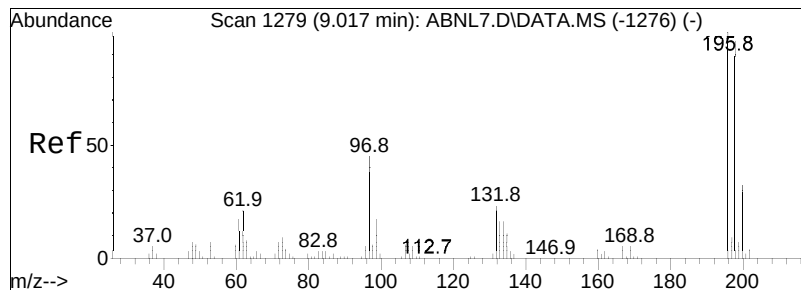




#44
 2,4,6-Trichlorophenol
 Concen: 4.91 ug/ml
 RT: 8.938 min Scan# 2333
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

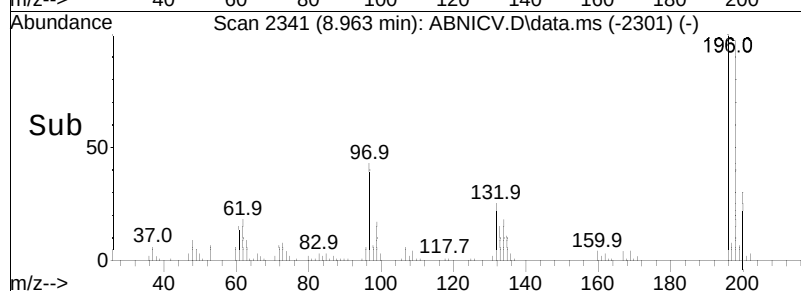
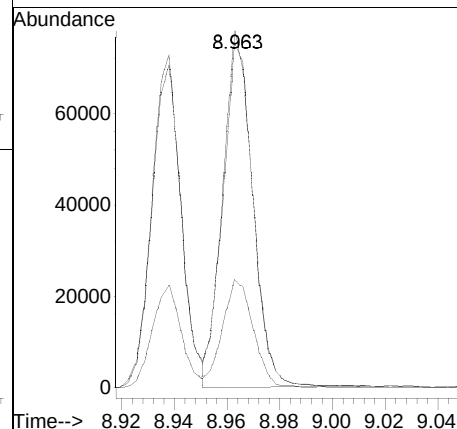
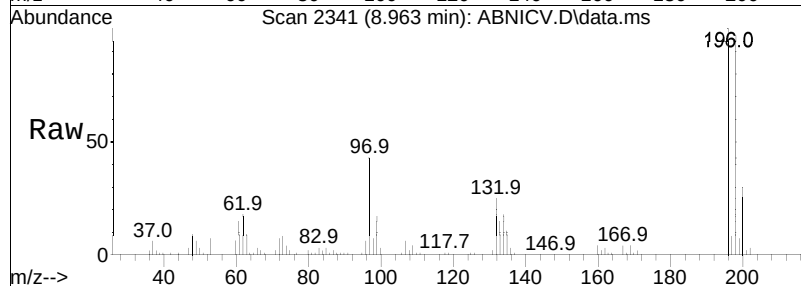
Tgt Ion:	196	Resp:	55914
Ion Ratio	Lower	Upper	
196	100		
198	97.9	77.5	116.3
200	31.0	23.8	35.6

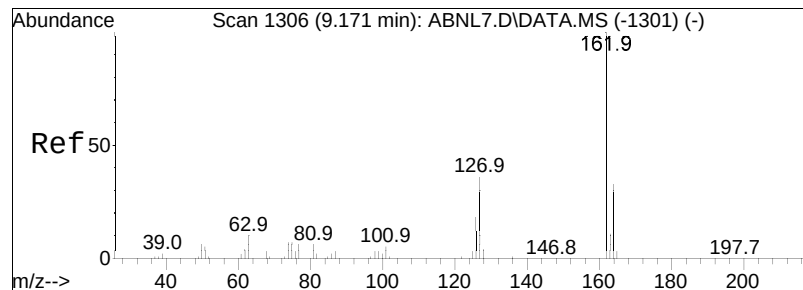




#45
 2,4,5-Trichlorophenol
 Concen: 5.05 ug/ml
 RT: 8.963 min Scan# 2341
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

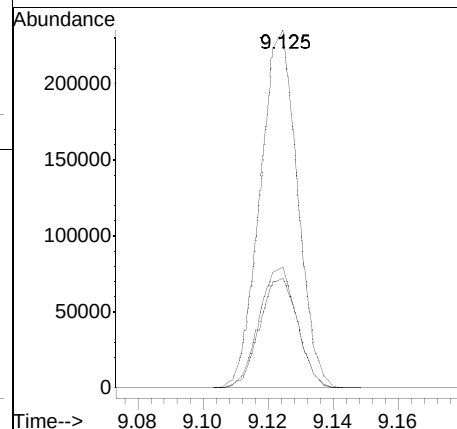
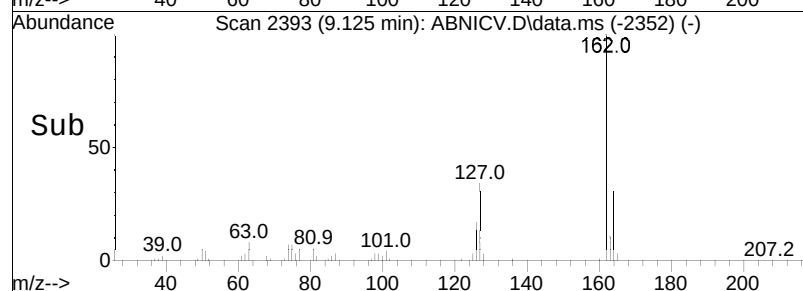
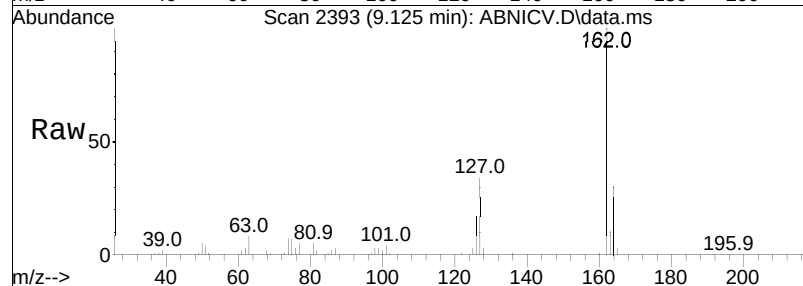
Tgt Ion	Ratio	Lower	Upper
196	100		
200	31.3	25.4	38.0
198	98.3	78.0	117.0

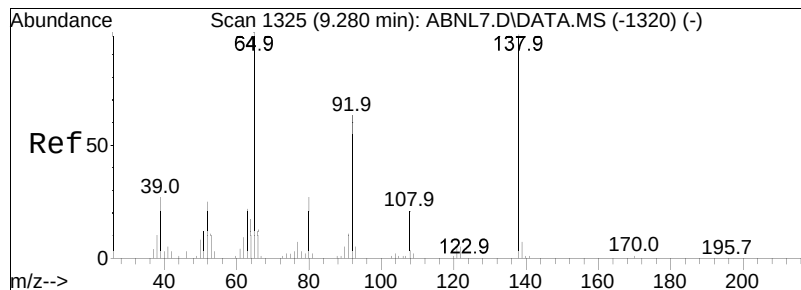




#47
 2-Chloronaphthalene
 Concen: 4.77 ug/ml
 RT: 9.125 min Scan# 2393
 Delta R.T. 0.004 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

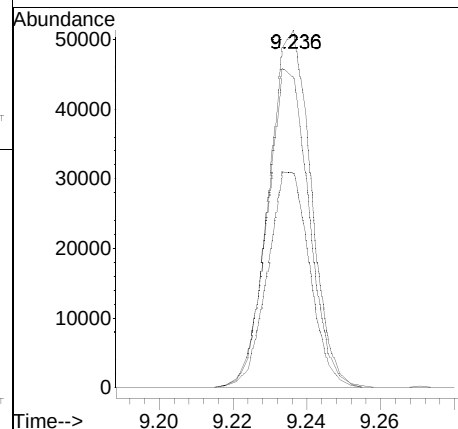
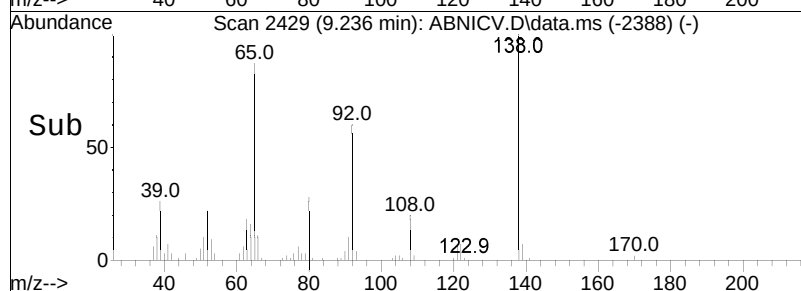
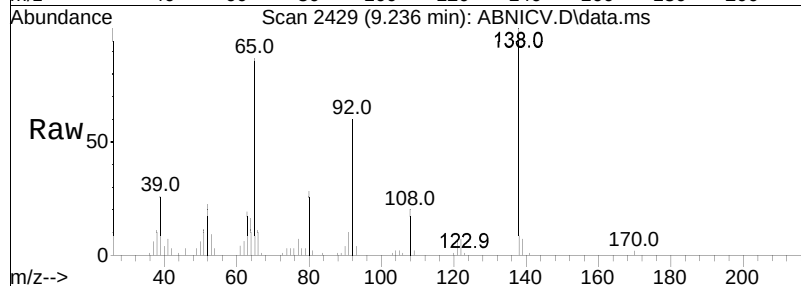
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	185606		
127	34.3		32.2	48.4
164	31.8		25.7	38.5

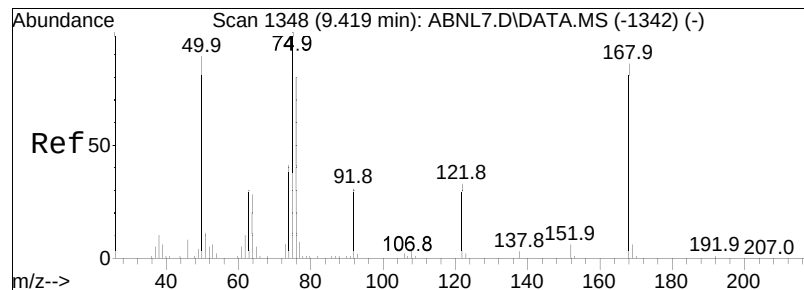




#48
 2-Nitroaniline
 Concen: 4.79 ug/ml
 RT: 9.236 min Scan# 2429
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

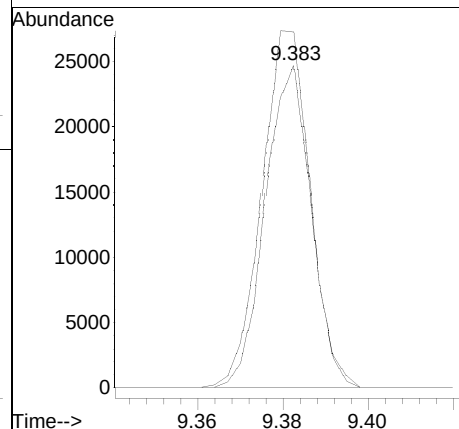
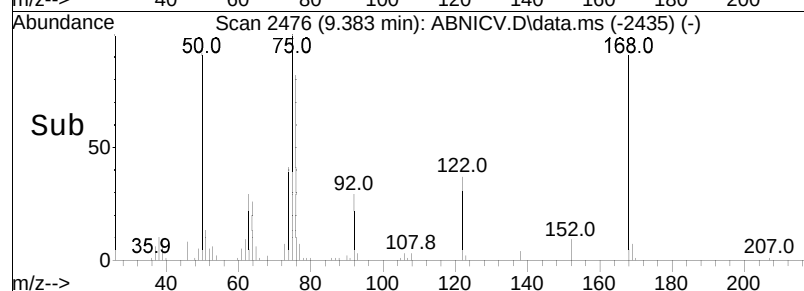
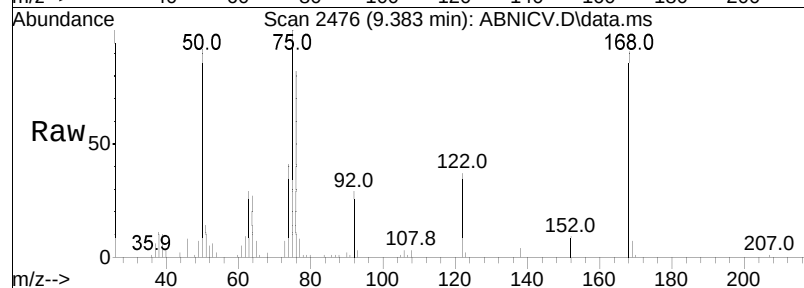
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	40390		
92	60.5		53.5	80.3
65	88.6		86.3	129.5

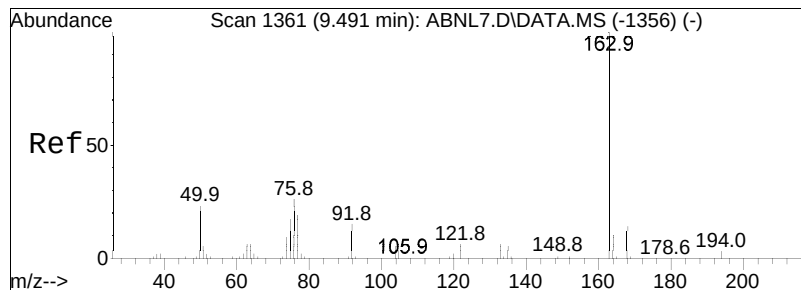




#49
 1,4-Dinitrobenzene
 Concen: 4.50 ug/ml
 RT: 9.383 min Scan# 2476
 Delta R.T. 0.004 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

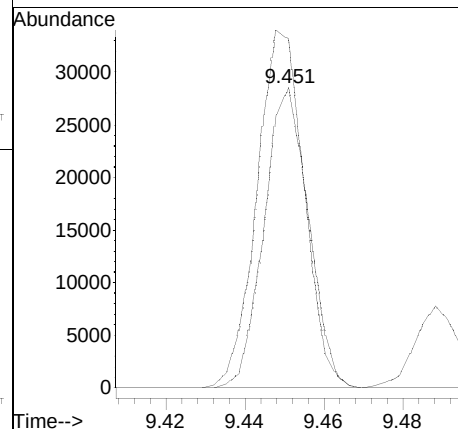
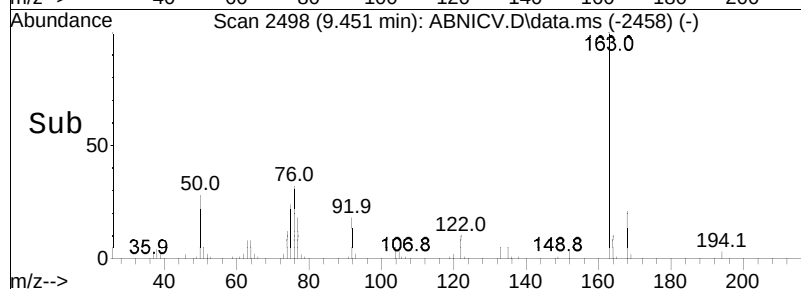
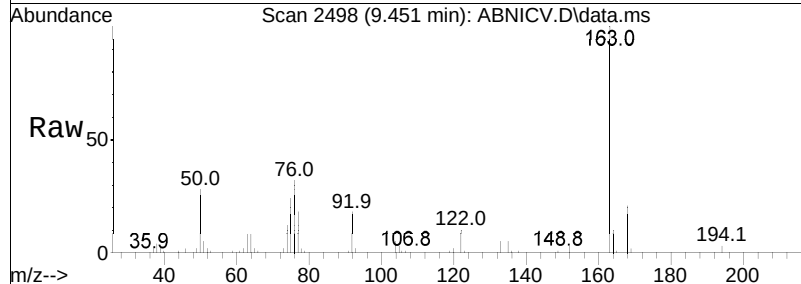
Tgt Ion	Ratio	Lower	Upper
168	100		
75	117.2	121.8	182.8#

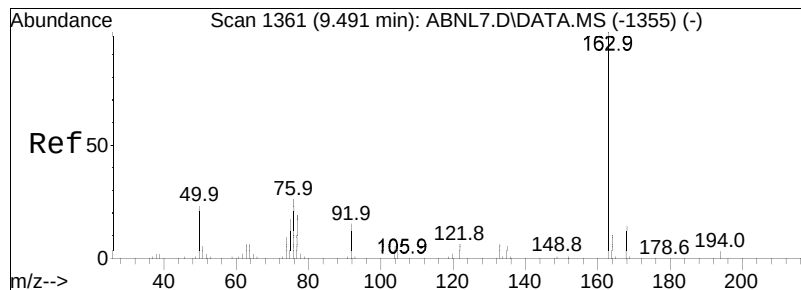




#50
 1,3-Dinitrobenzene
 Concen: 4.50 ug/ml
 RT: 9.451 min Scan# 2498
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

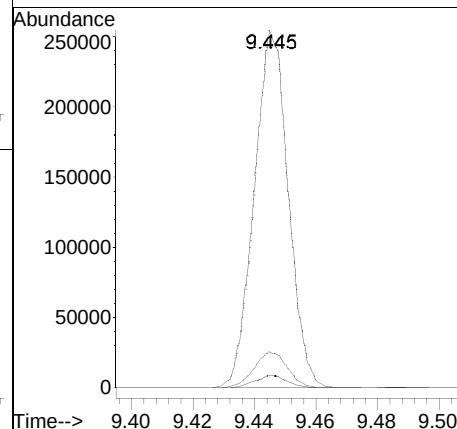
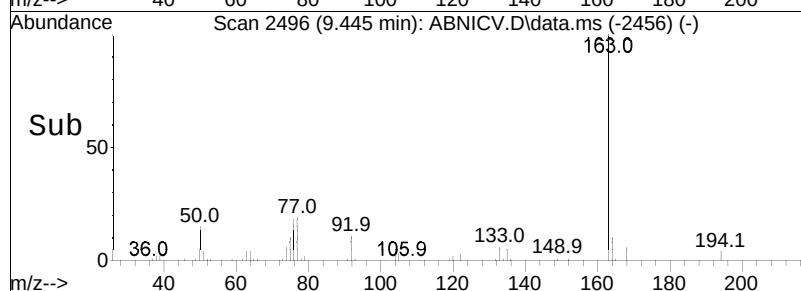
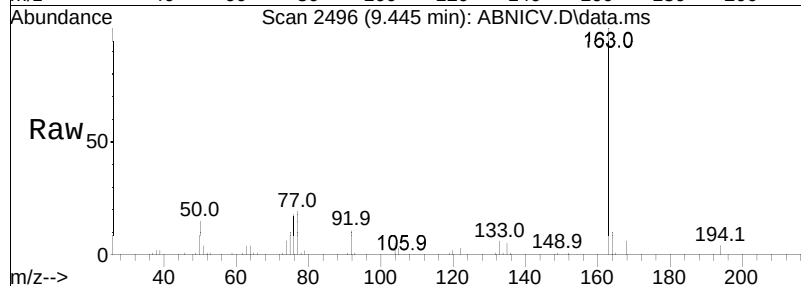
Tgt Ion	Ratio	Lower	Upper
168	100		
75	126.5	22.7	34.1#

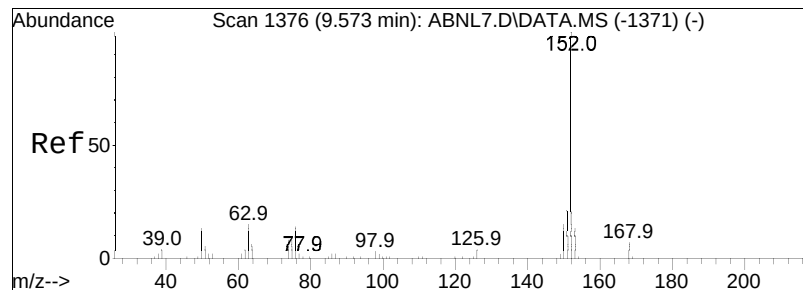




#51
 Dimethyl phthalate
 Concen: 4.75 ug/ml
 RT: 9.445 min Scan# 2496
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

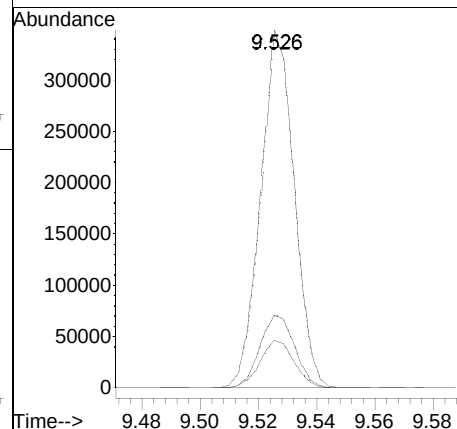
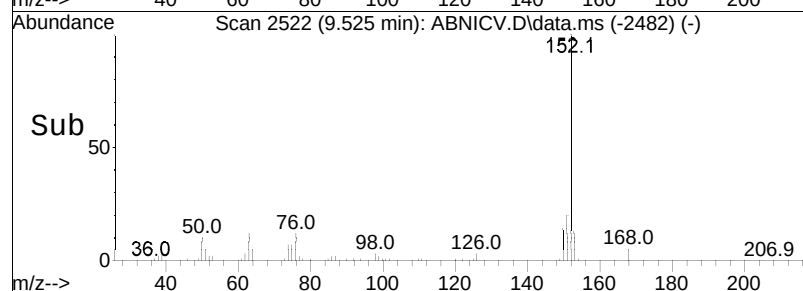
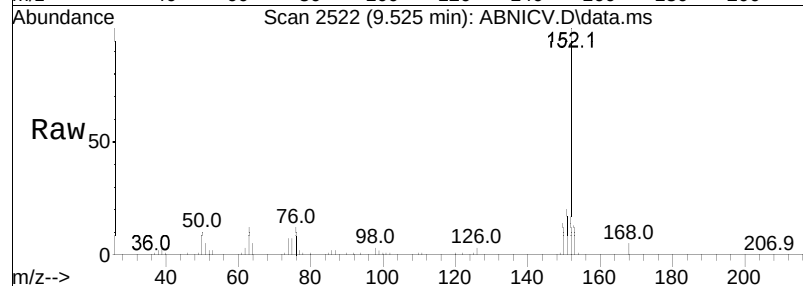
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.5	5.3#
164	10.1	7.9	11.9

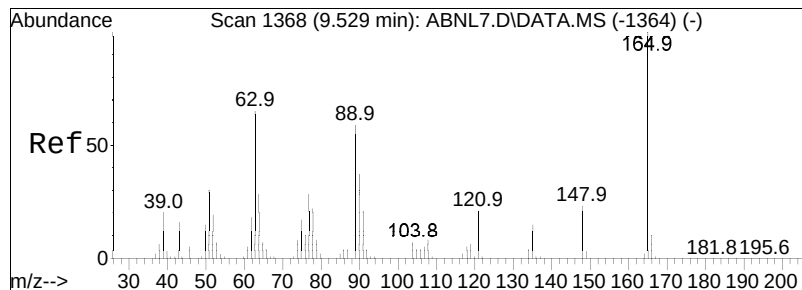




#52
 Acenaphthylene
 Concen: 4.74 ug/ml
 RT: 9.525 min Scan# 2522
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

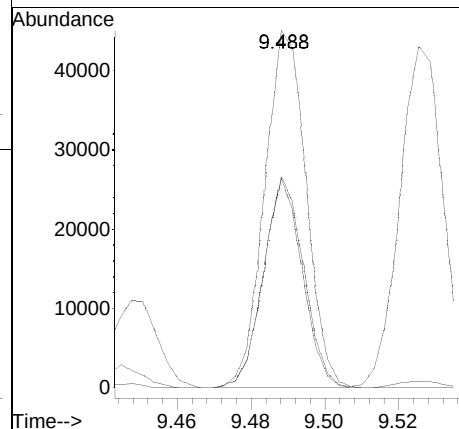
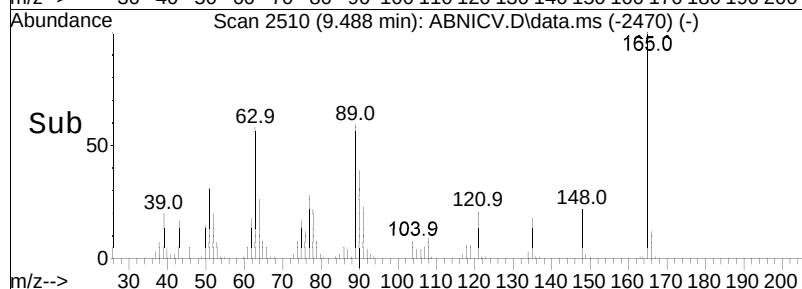
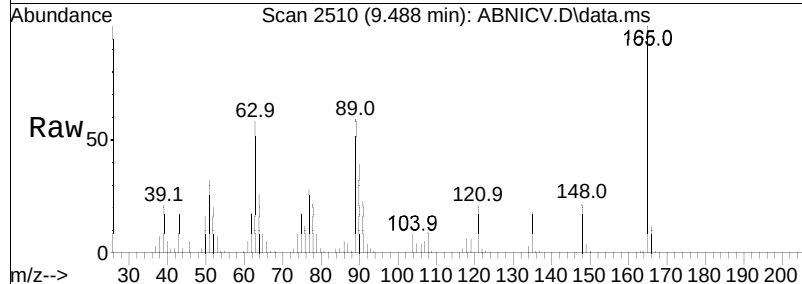
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.8	23.6
153	13.6	10.5	15.7

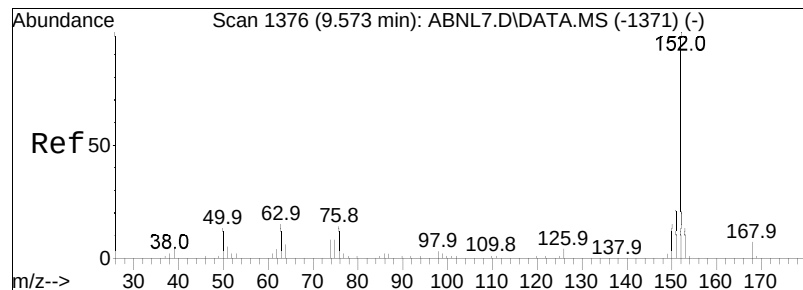




#53
 2,6-Dinitrotoluene
 Concen: 5.06 ug/ml
 RT: 9.488 min Scan# 2510
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

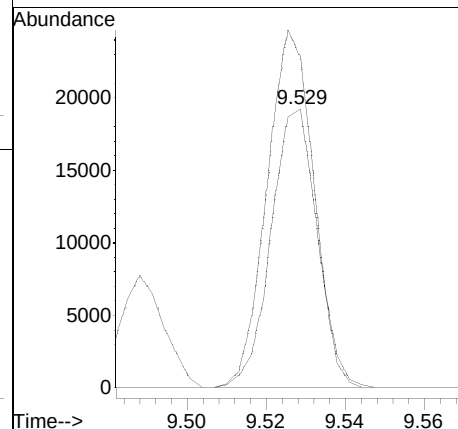
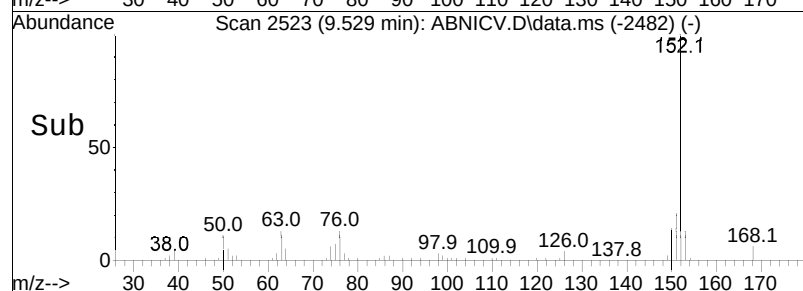
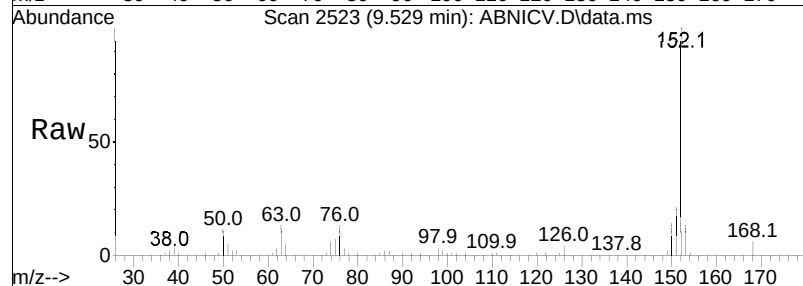
Tgt Ion	Ratio	Lower	Upper
165	100		
89	57.1	54.2	81.2
63	54.9	64.2	96.2#

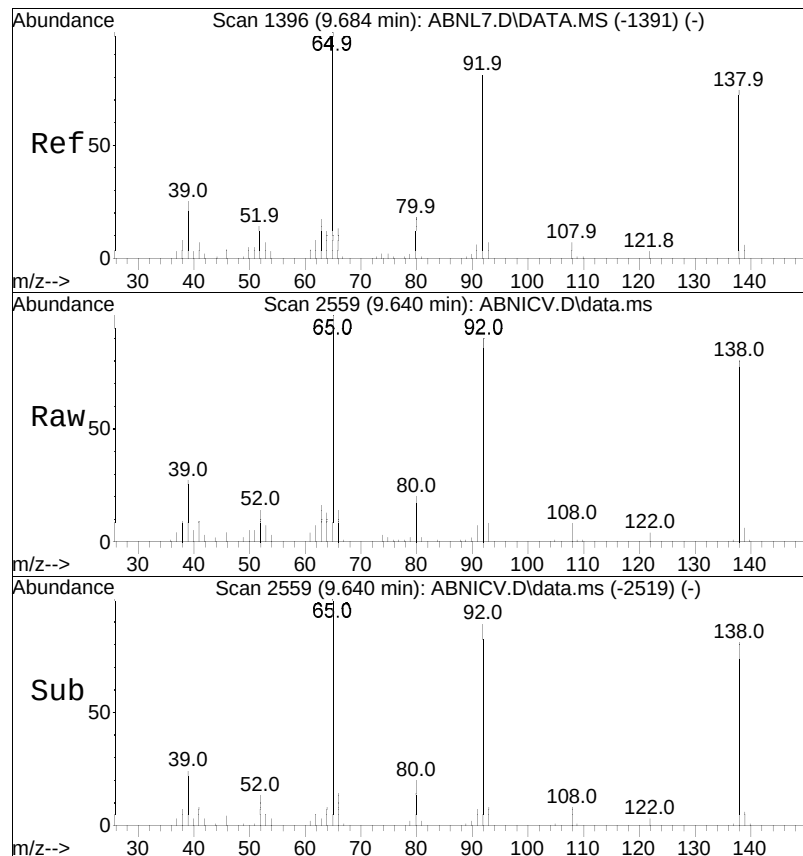




#54
 1,2-Dinitrobenzene
 Concen: 4.87 ug/ml
 RT: 9.529 min Scan# 2523
 Delta R.T. 0.004 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

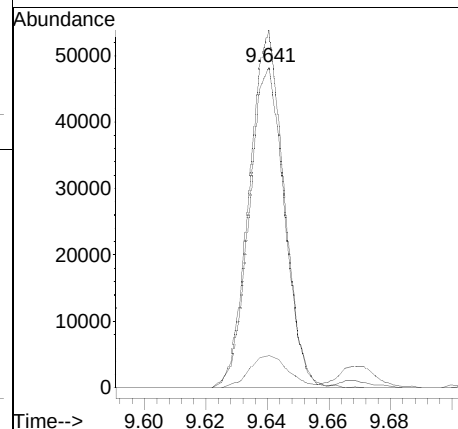
Tgt Ion	Ratio	Lower	Upper
168	100		
75	131.8	30.9	46.3#

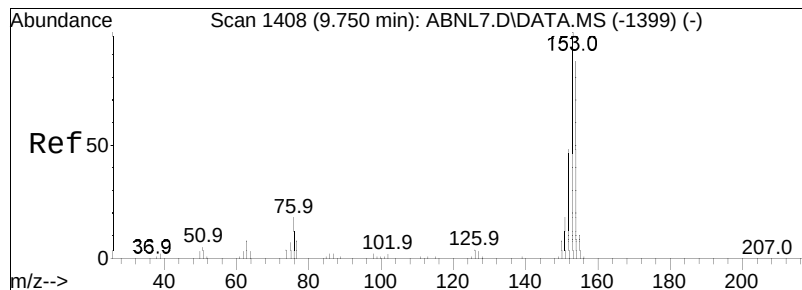




#64
 3-Nitroaniline
 Concen: 5.19 ug/ml
 RT: 9.640 min Scan# 2559
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

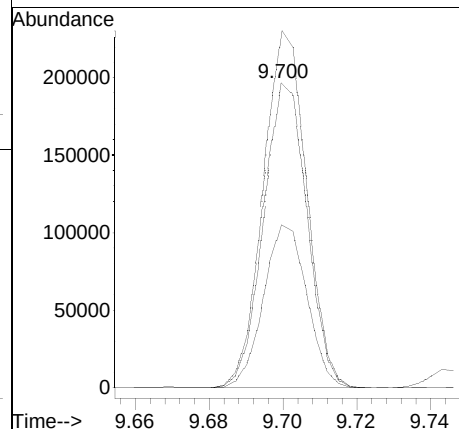
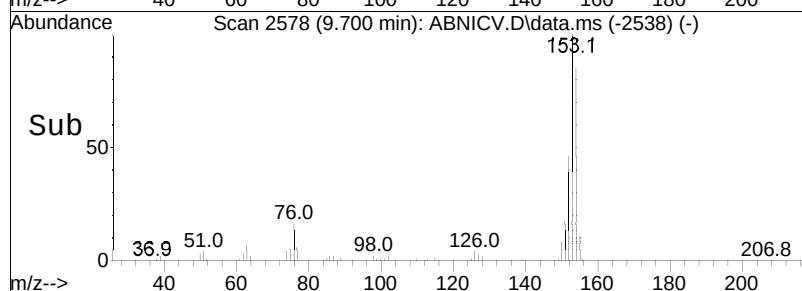
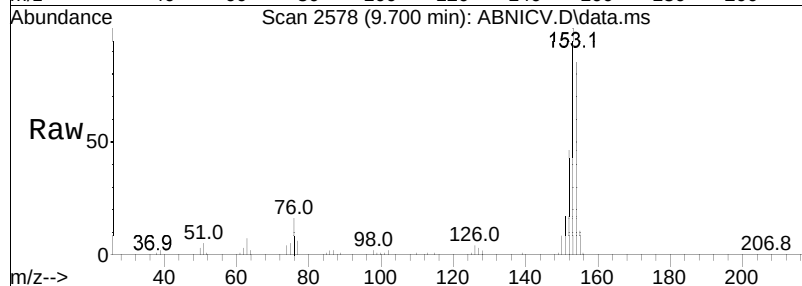
Tgt Ion:	138	Resp:	38178
Ion Ratio	Lower	Upper	
138	100		
92	109.2	93.4	140.2
108	11.2	9.5	14.3

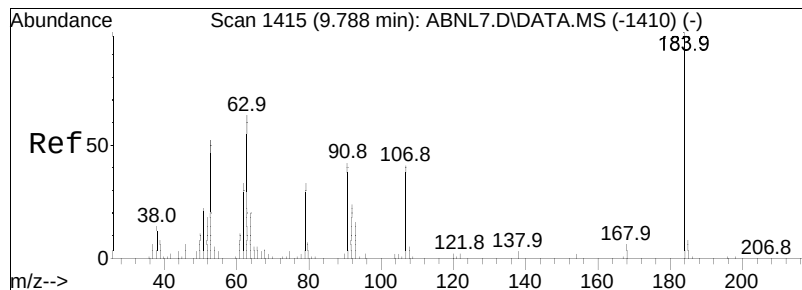




#65
 Acenaphthene
 Concen: 4.70 ug/ml
 RT: 9.700 min Scan# 2578
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

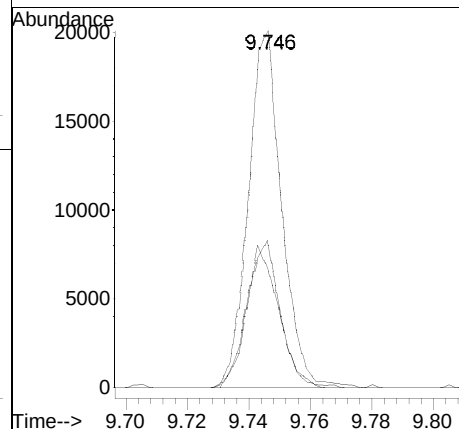
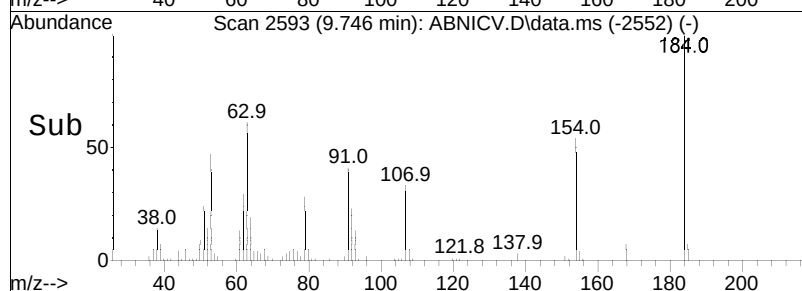
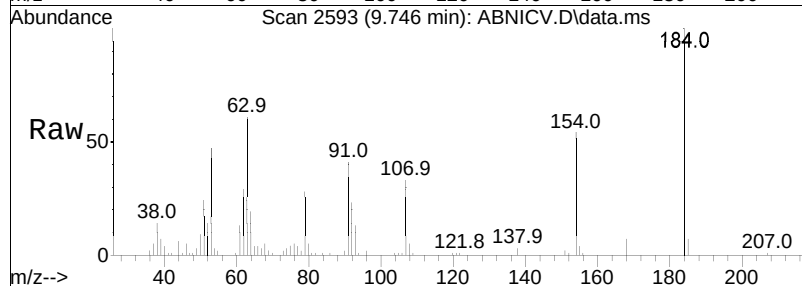
Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.7	85.3	127.9
152	53.6	41.4	62.0

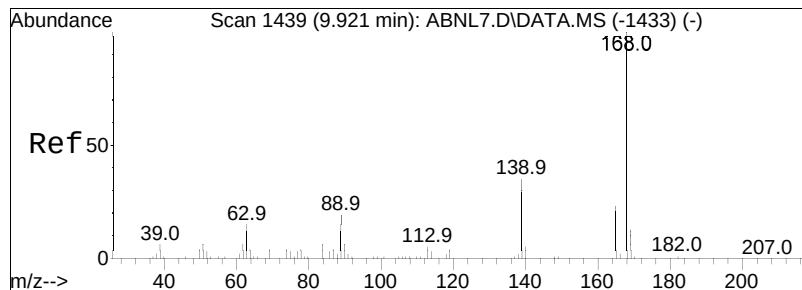




#66
 2,4-Dinitrophenol
 Concen: 3.95 ug/ml
 RT: 9.746 min Scan# 2593
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

Tgt Ion	Ratio	Lower	Upper
184	100		
107	39.0	37.7	56.5
91	41.2	46.3	69.5#





#67

Dibenzenofuran

Concen: 4.74 ug/ml

RT: 9.874 min Scan# 2634

Delta R.T. -0.000 min

Lab File: ABNICV.D

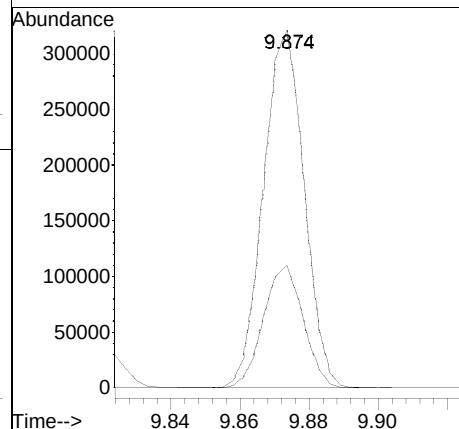
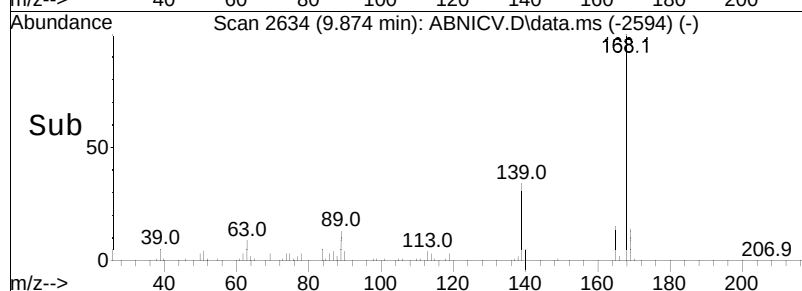
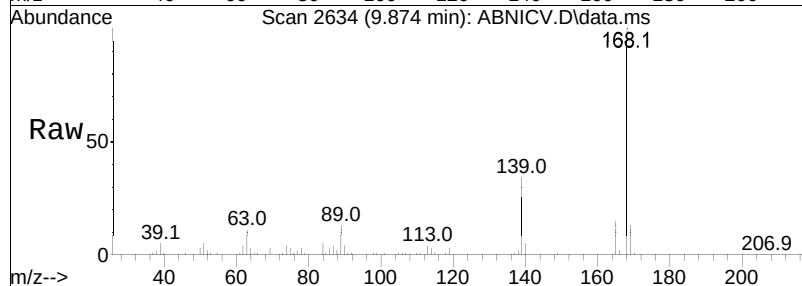
Acq: 26 Aug 2025 10:39 pm

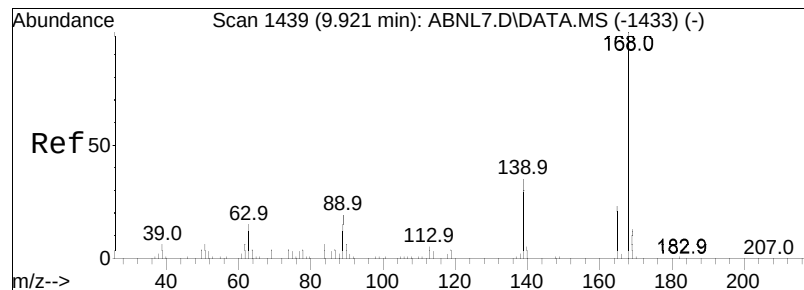
Tgt Ion:168 Resp: 259993

Ion Ratio Lower Upper

168 100

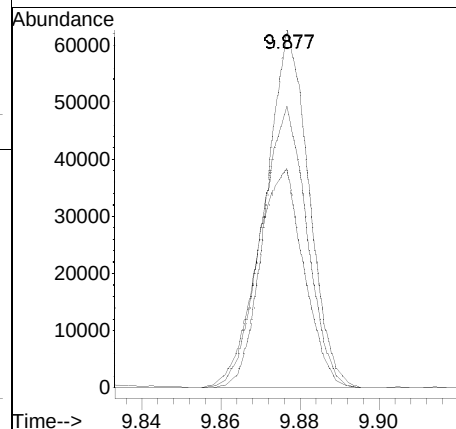
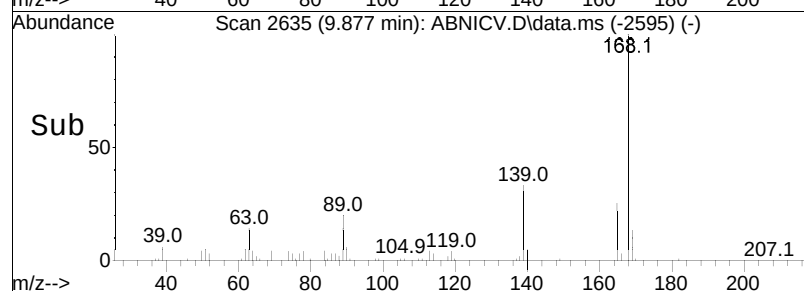
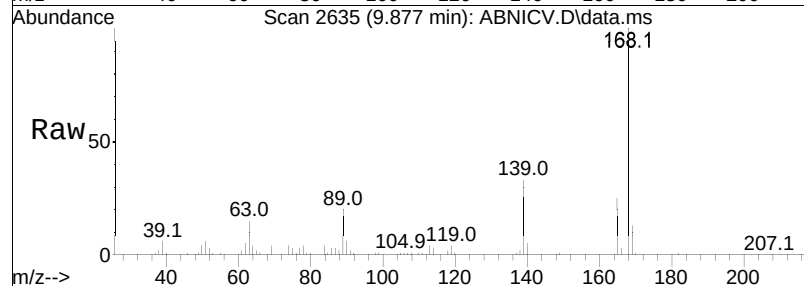
139 33.8 31.4 47.2

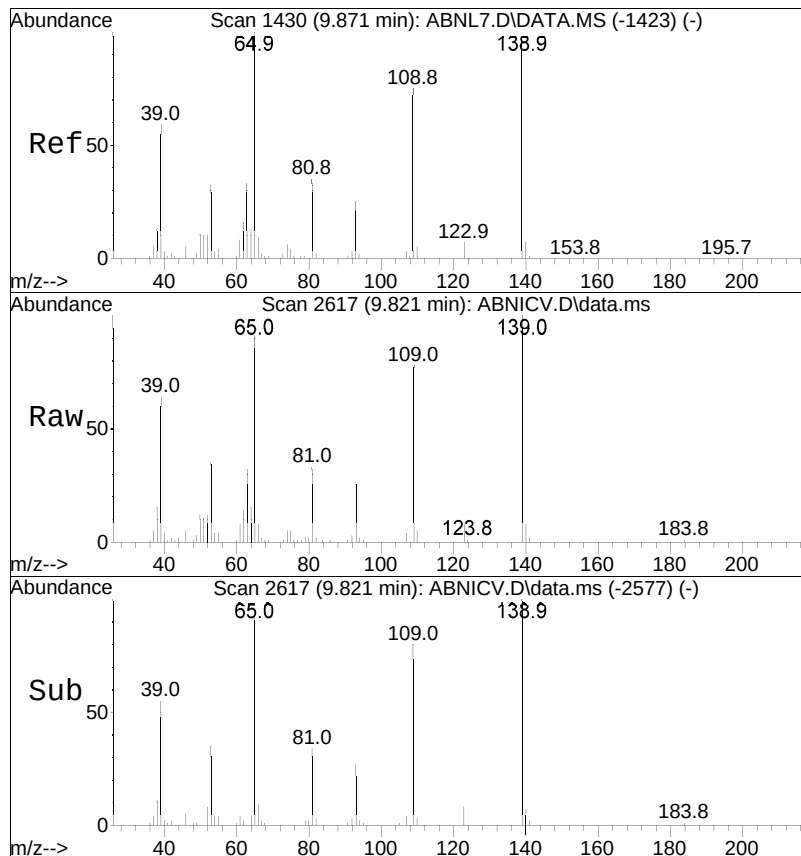




#68
 2,4-Dinitrotoluene
 Concen: 4.35 ug/ml
 RT: 9.877 min Scan# 2635
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

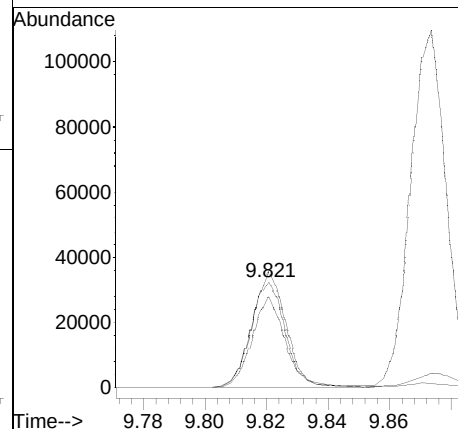
Tgt Ion	Ratio	Lower	Upper
165	100		
89	85.9	72.0	108.0
63	70.6	52.7	79.1

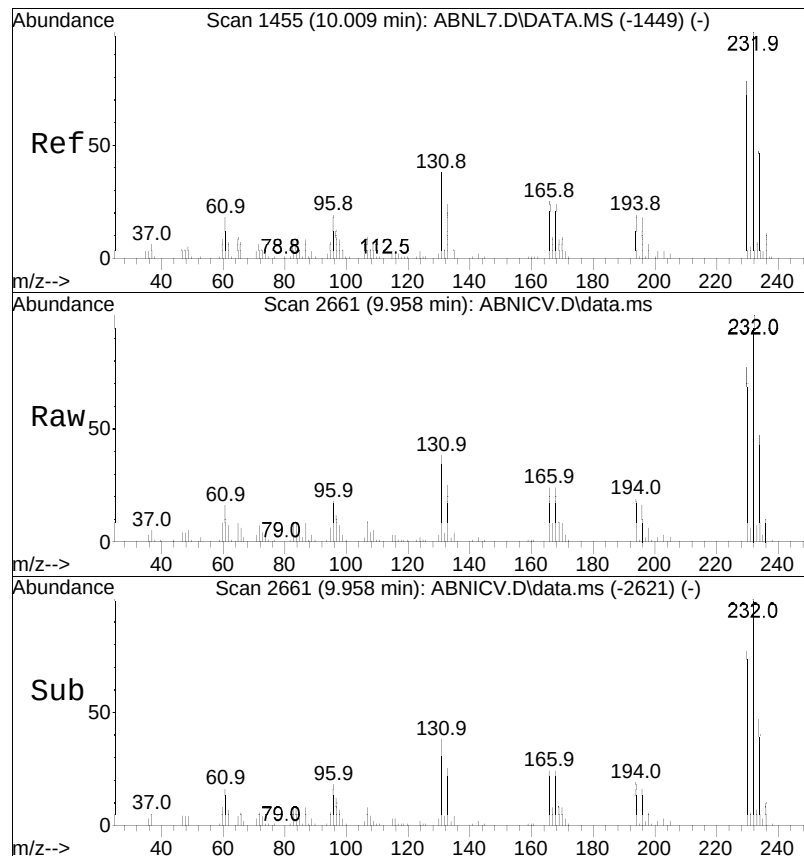




#69
 4-Nitrophenol
 Concen: 4.66 ug/ml
 RT: 9.821 min Scan# 2617
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

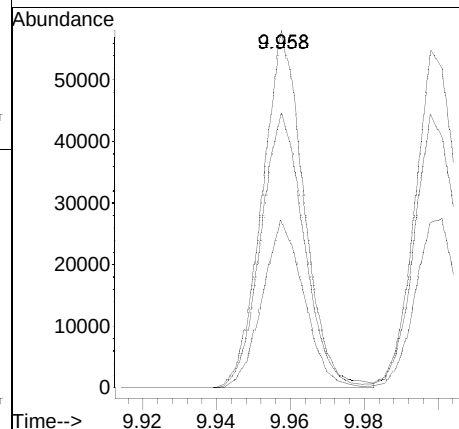
Tgt Ion:	65	Resp:	25823
Ion Ratio	Lower	Upper	
65	100		
109	80.4	47.4	71.2#
139	106.3	76.6	115.0

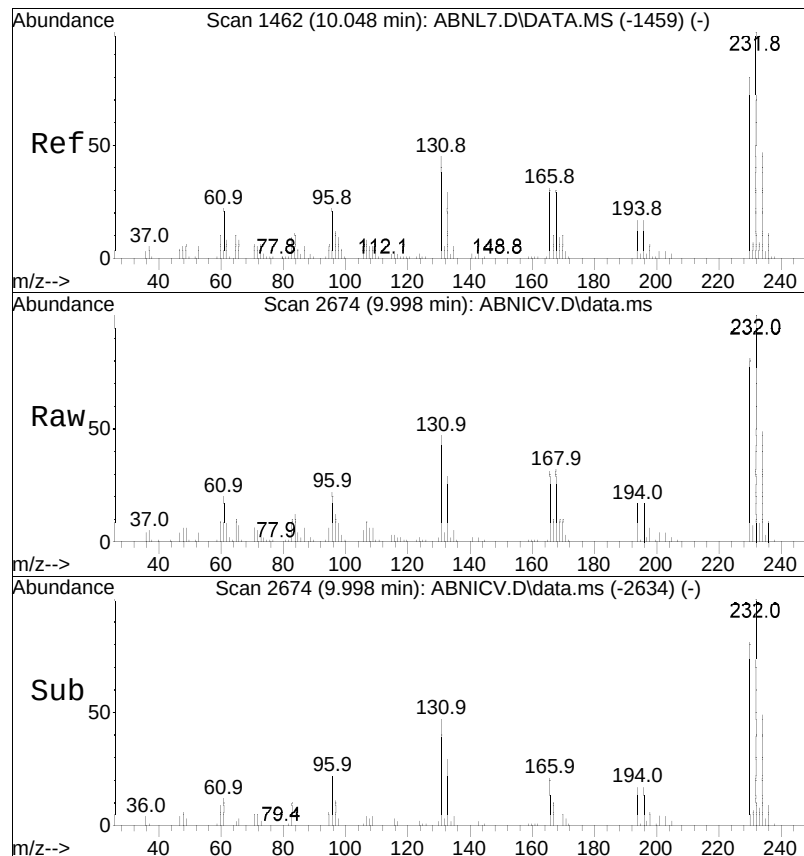




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 5.01 ug/ml
 RT: 9.958 min Scan# 2661
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

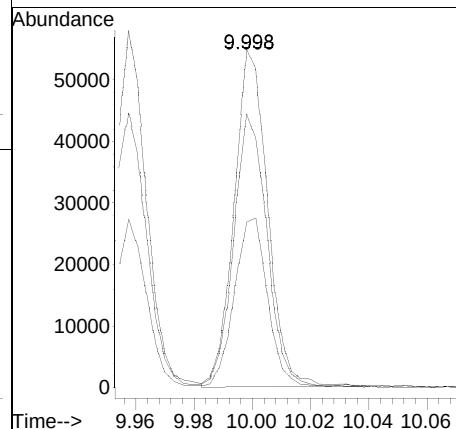
Tgt Ion:	232	Resp:	45536
Ion Ratio	Lower	Upper	
232	100		
230	79.7	64.2	96.4
234	46.9	38.1	57.1

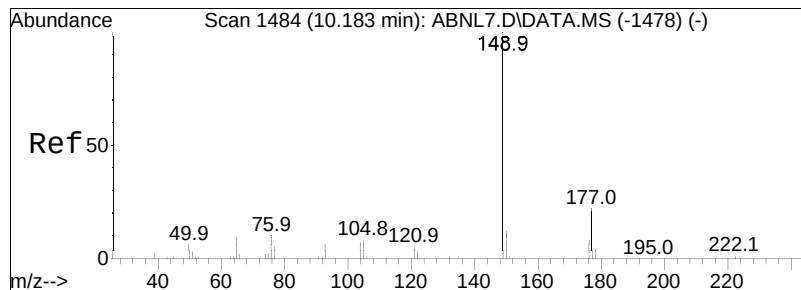




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 4.90 ug/ml
 RT: 9.998 min Scan# 2674
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

Tgt Ion:	232	Resp:	43967
Ion Ratio	Lower	Upper	
232	100		
230	79.1	61.8	92.8
234	51.3	36.2	54.2





#72

Diethyl phthalate

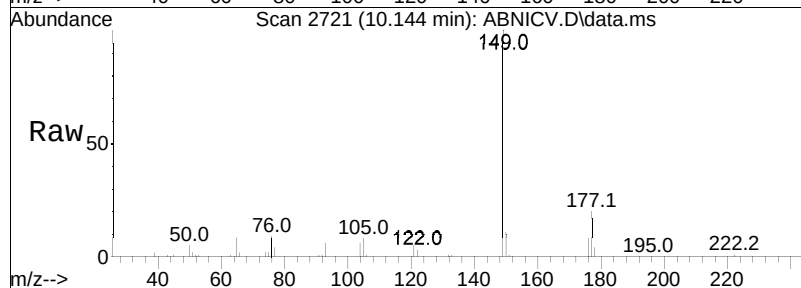
Concen: 4.85 ug/ml

RT: 10.144 min Scan# 2721

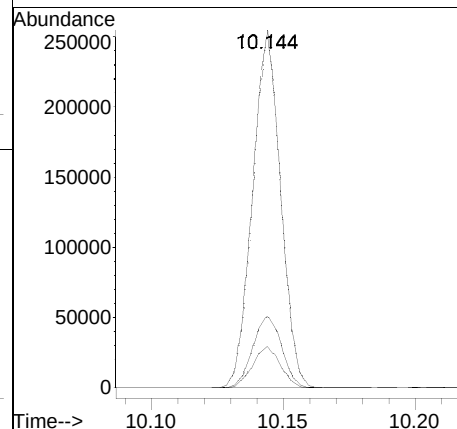
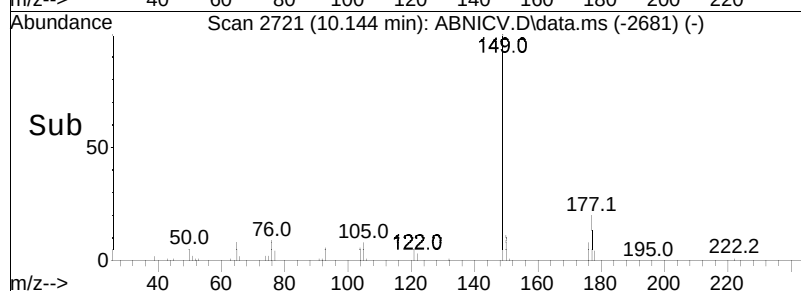
Delta R.T. 0.000 min

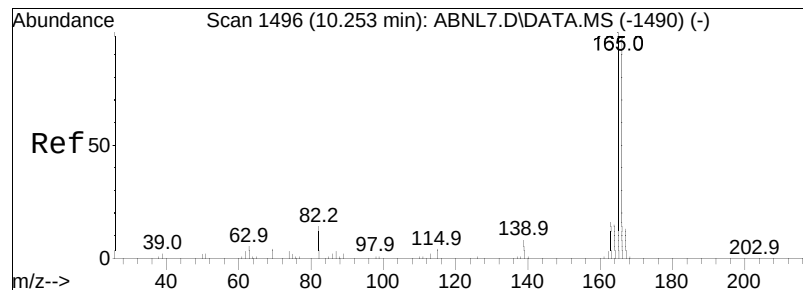
Lab File: ABNICV.D

Acq: 26 Aug 2025 10:39 pm



Tgt Ion:	149	Resp:	185541
Ion Ratio	Lower	Upper	
149	100		
177	21.0	16.1	24.1
150	11.8	9.4	14.2





#73

Fluorene

Concen: 4.86 ug/ml

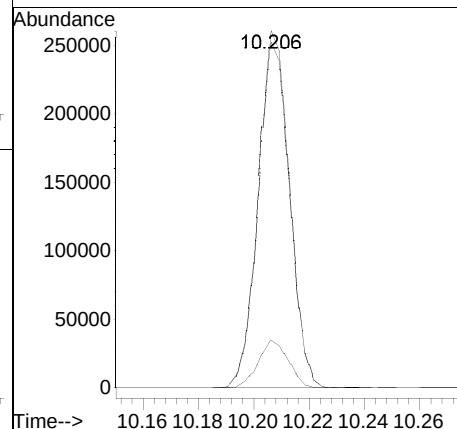
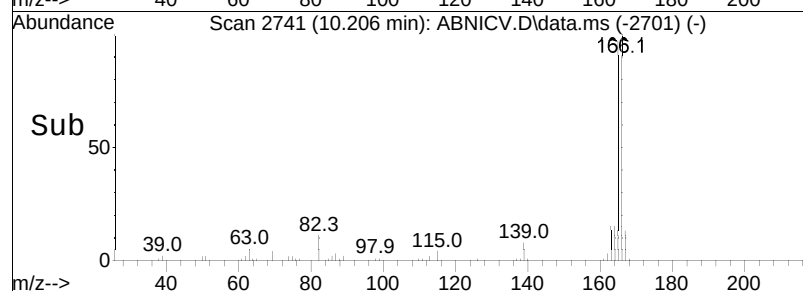
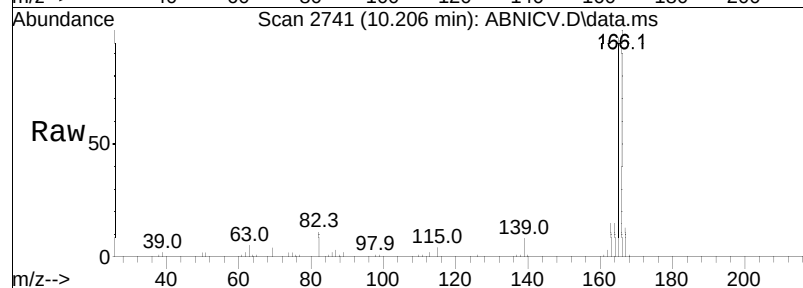
RT: 10.206 min Scan# 2741

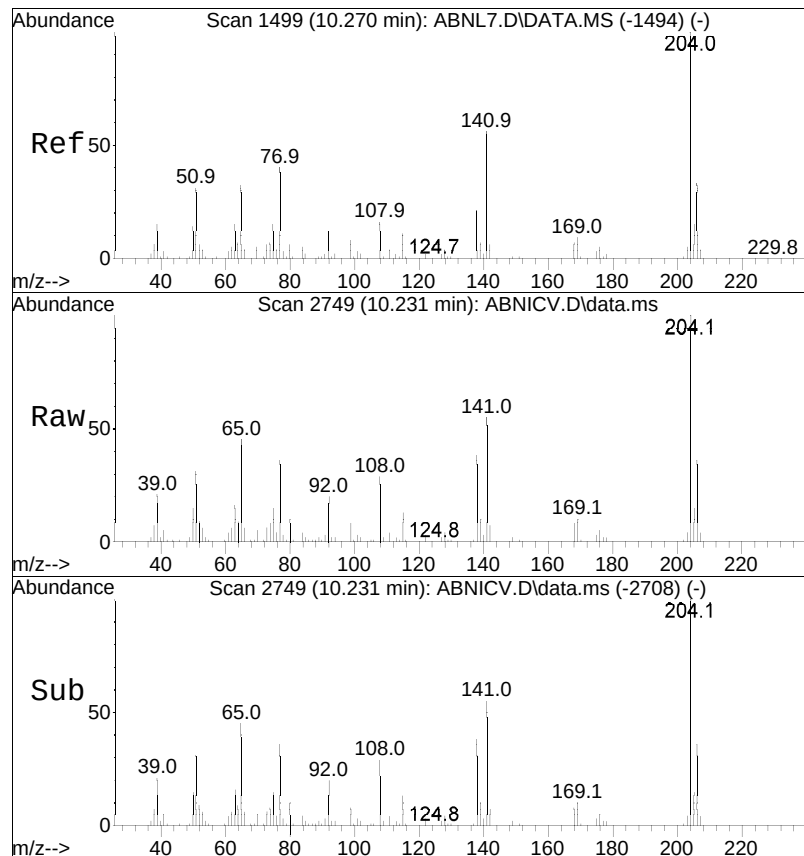
Delta R.T. 0.000 min

Lab File: ABNICV.D

Acq: 26 Aug 2025 10:39 pm

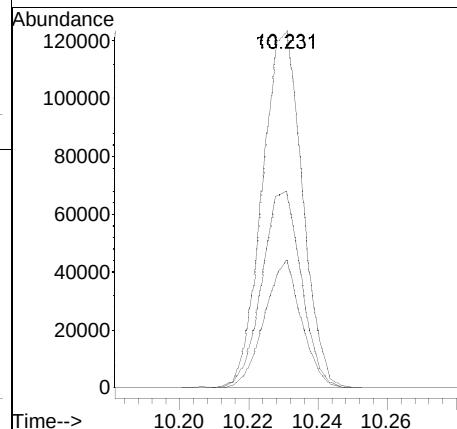
Tgt Ion:	166	Resp:	204758
Ion Ratio	Lower	Upper	
166	100		
165	97.1	76.2	114.2
167	13.1	10.6	15.8

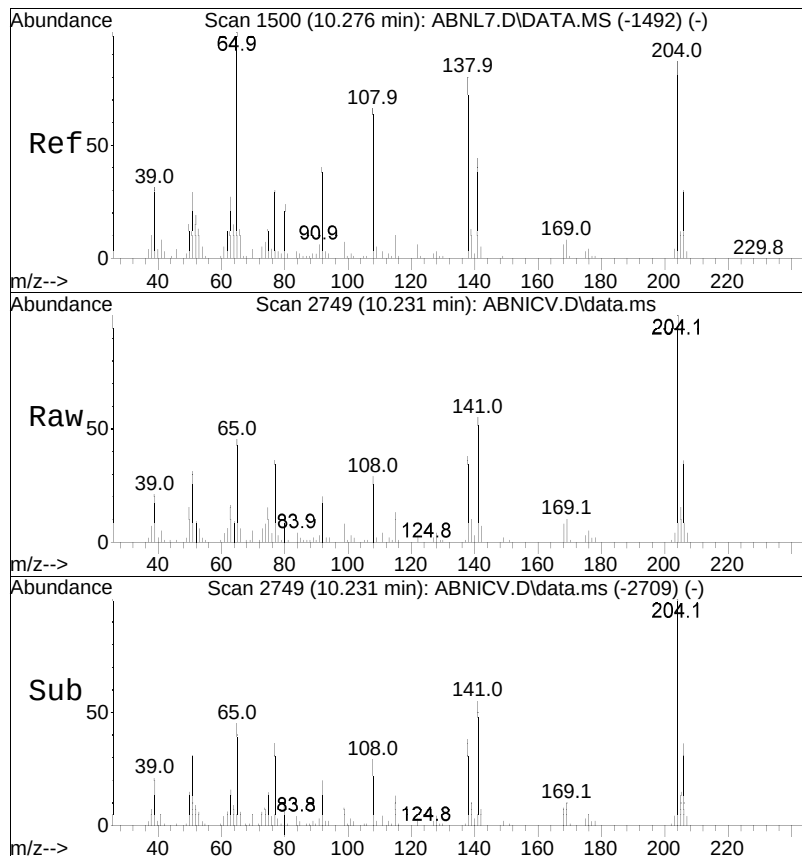




#74
 4-Chlorophenyl phenyl ether
 Concen: 4.60 ug/ml
 RT: 10.231 min Scan# 2749
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

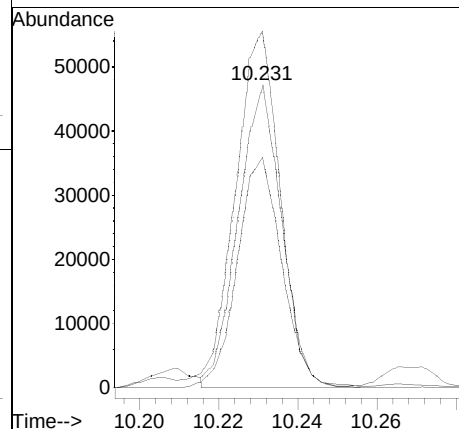
Tgt Ion:	204	Resp:	98811
Ion Ratio	Lower	Upper	
204	100		
206	33.3	25.8	38.6
141	54.5	53.6	80.4

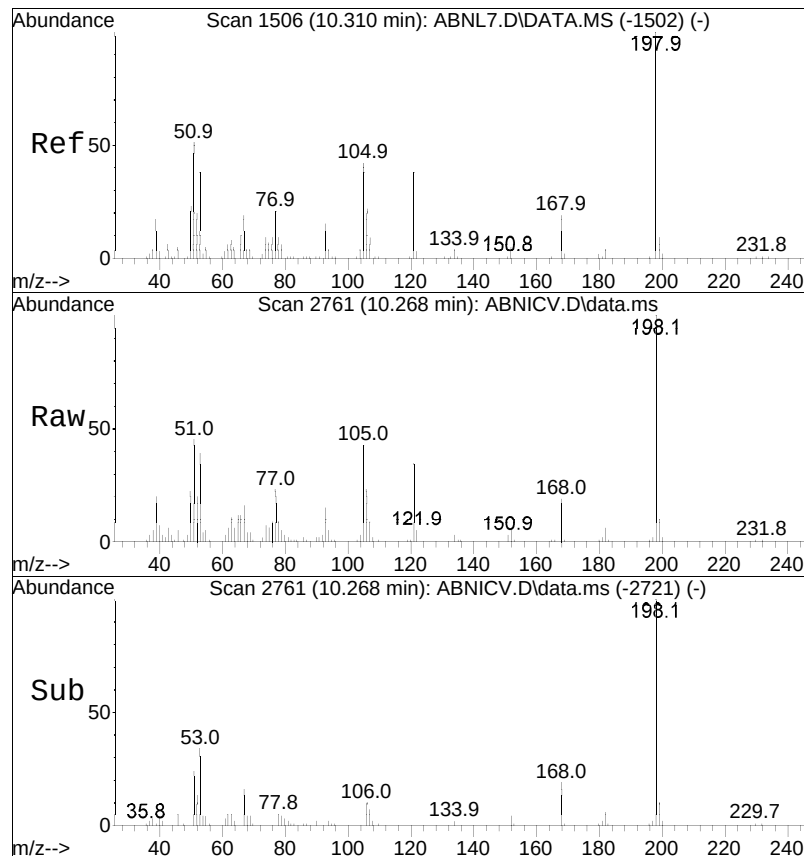




#75
 4-Nitroaniline
 Concen: 4.87 ug/ml
 RT: 10.231 min Scan# 2749
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

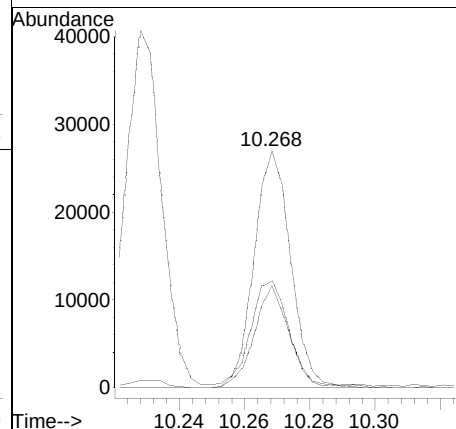
Tgt Ion	Ratio	Lower	Upper
138	100		
108	78.7	52.1	78.1#
65	123.6	115.0	172.6

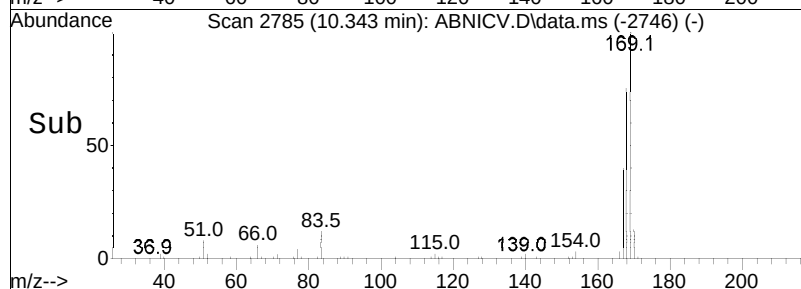
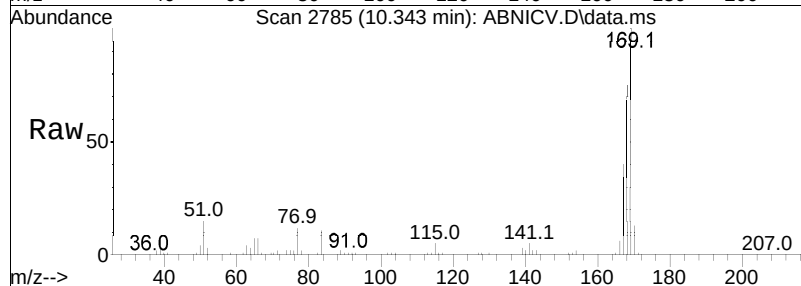
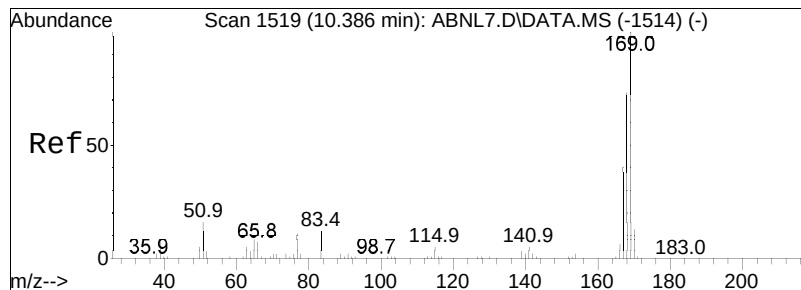




#76
 4,6-Dinitro-o-cresol
 Concen: 4.09 ug/ml
 RT: 10.268 min Scan# 2761
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

Tgt Ion:	198	Resp:	21016
Ion Ratio	Lower	Upper	
198	100		
51	45.1	76.0	114.0#
105	41.5	45.6	68.4#





#77

NDPA/DPA

Concen: 4.95 ug/ml

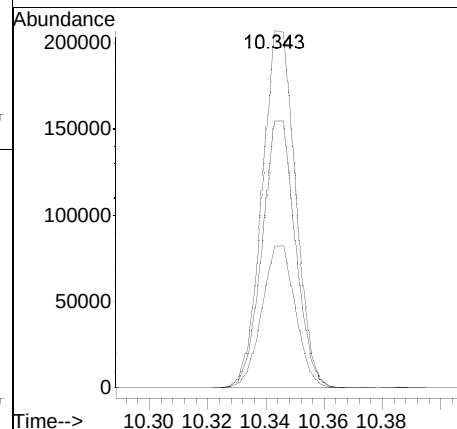
RT: 10.343 min Scan# 2785

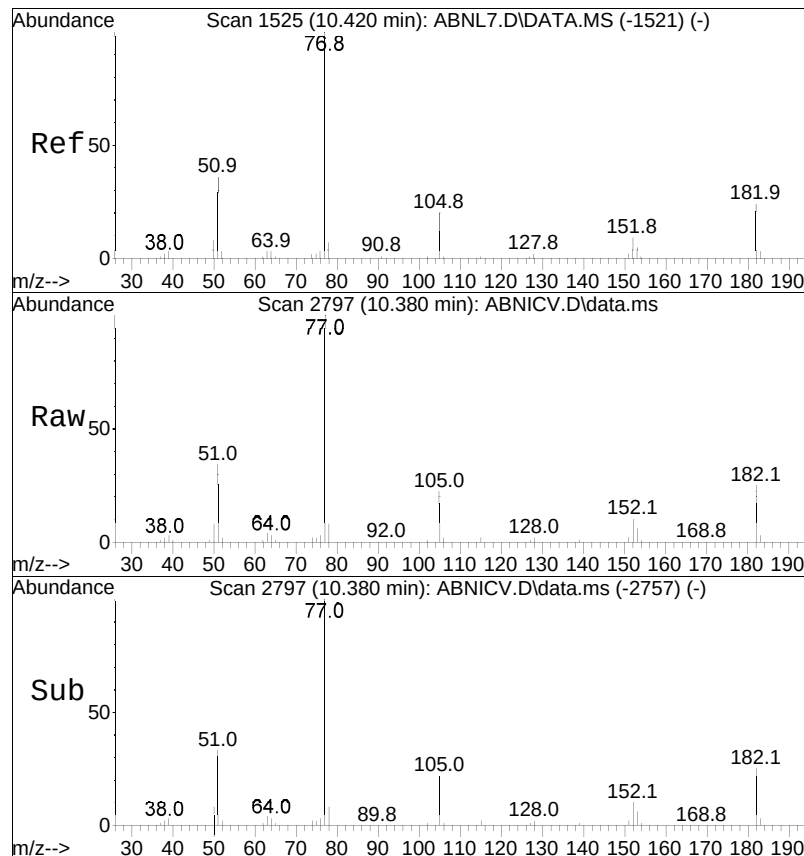
Delta R.T. -0.003 min

Lab File: ABNICV.D

Acq: 26 Aug 2025 10:39 pm

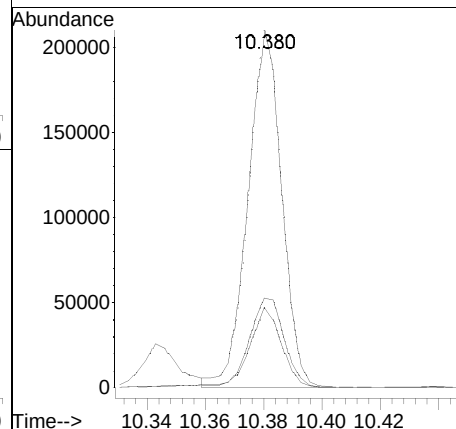
Tgt	Ion:169	Resp:	164607
Ion	Ratio	Lower	Upper
169	100		
168	74.4	54.0	81.0
167	40.3	28.6	42.8

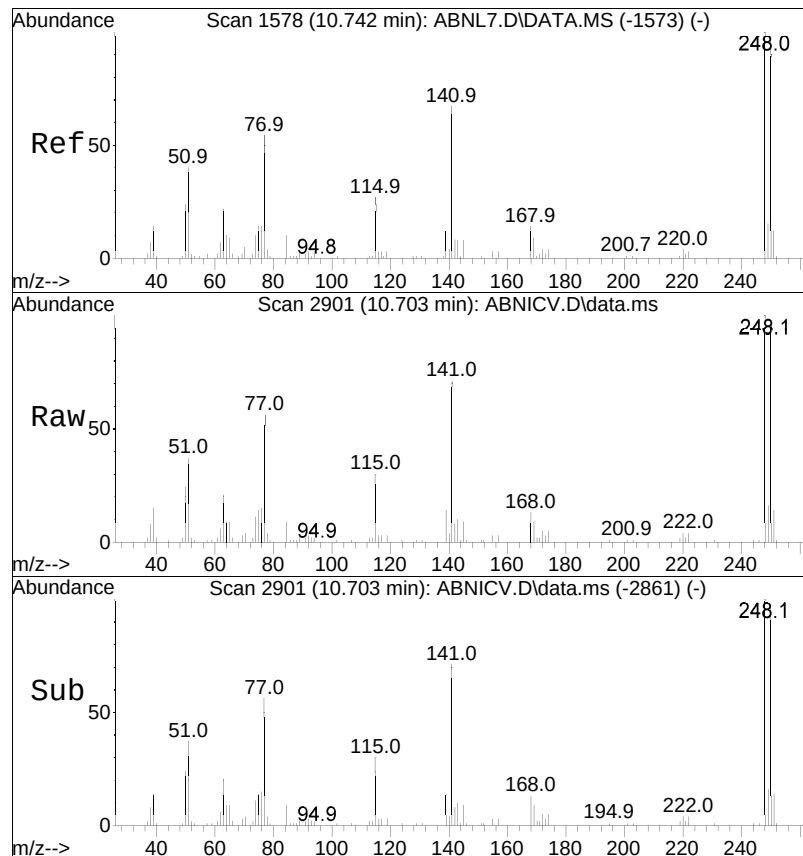




#78
 Azobenzene
 Concen: 4.92 ug/ml
 RT: 10.380 min Scan# 2797
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

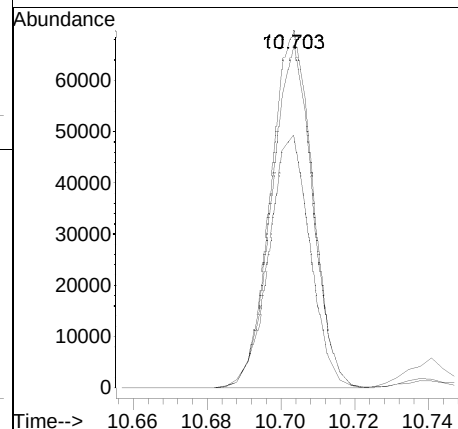
Tgt Ion:	77	Resp:	166872
Ion Ratio	Lower	Upper	
77	100		
182	26.9	17.4	26.2#
105	21.8	15.4	23.2

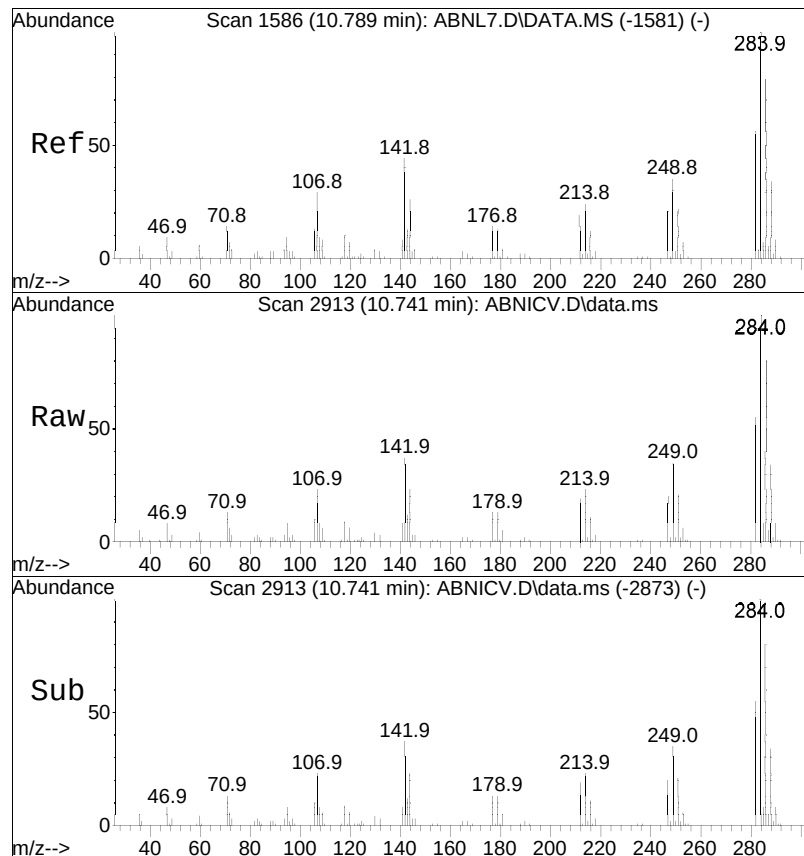




#80
 4-Bromophenyl phenyl ether
 Concen: 4.80 ug/ml
 RT: 10.703 min Scan# 2901
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

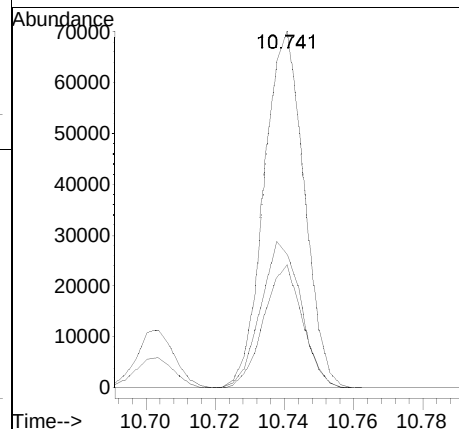
Tgt Ion:	248	Resp:	54967
Ion Ratio	Lower	Upper	
248	100		
141	69.1	76.6	114.8#
250	93.6	77.3	115.9

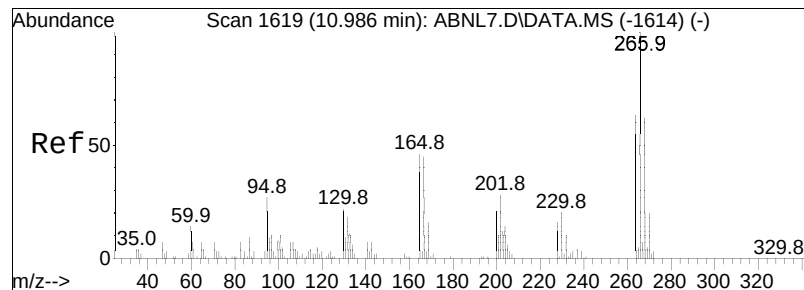




#81
 Hexachlorobenzene
 Concen: 4.71 ug/ml
 RT: 10.741 min Scan# 2913
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

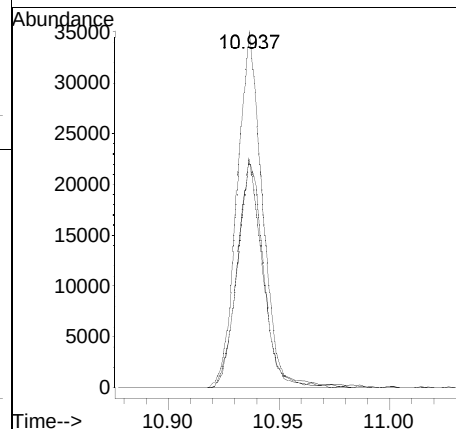
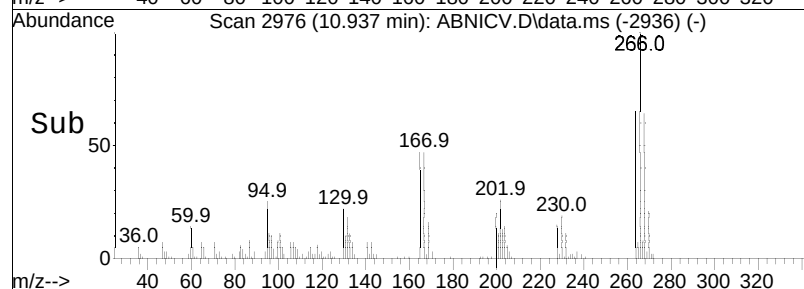
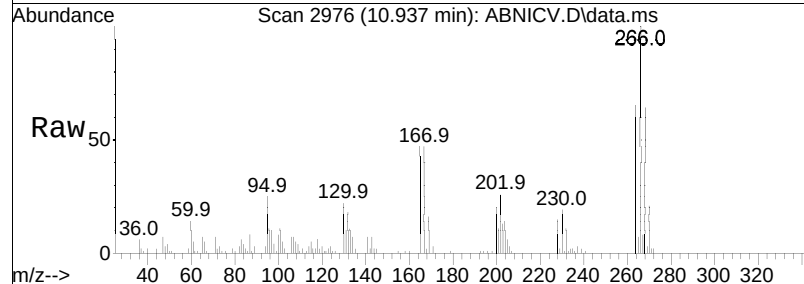
Tgt Ion:	284	Resp:	56276
Ion Ratio	Lower	Upper	
284	100		
142	41.3	41.9	62.9#
249	33.7	24.1	36.1

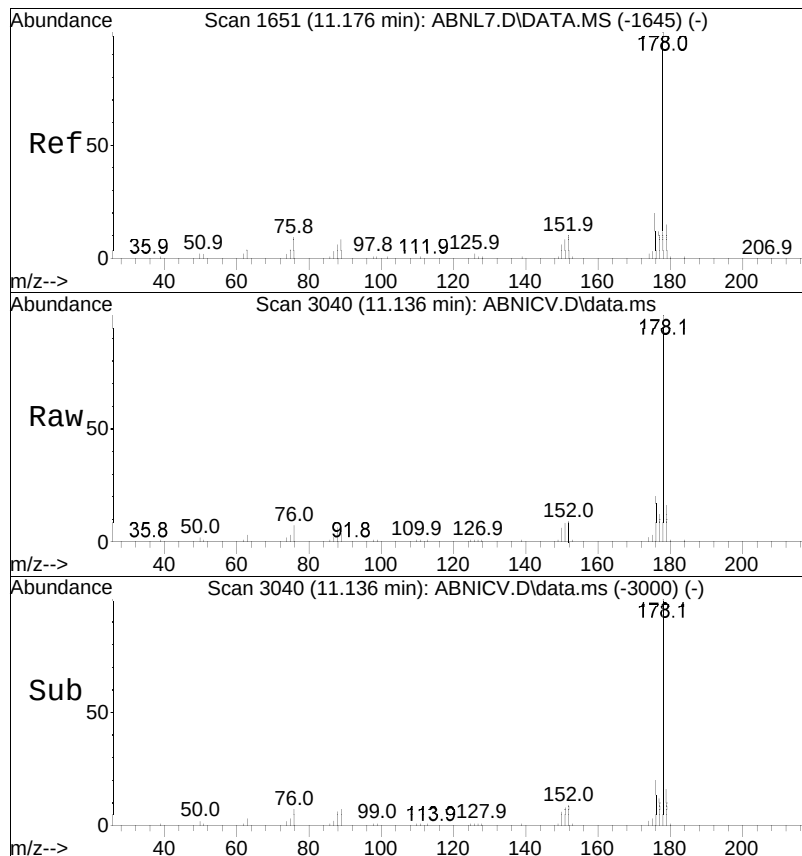




#82
 Pentachlorophenol
 Concen: 4.39 ug/ml
 RT: 10.937 min Scan# 2976
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

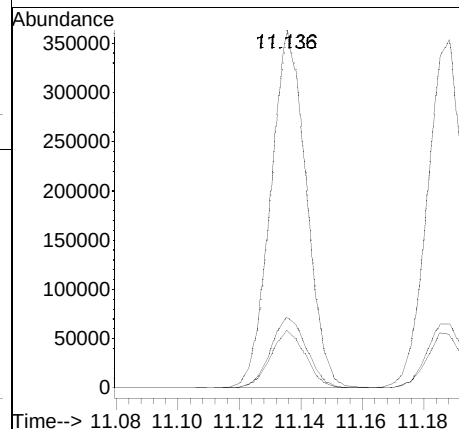
Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.3	49.7	74.5
268	65.7	50.5	75.7

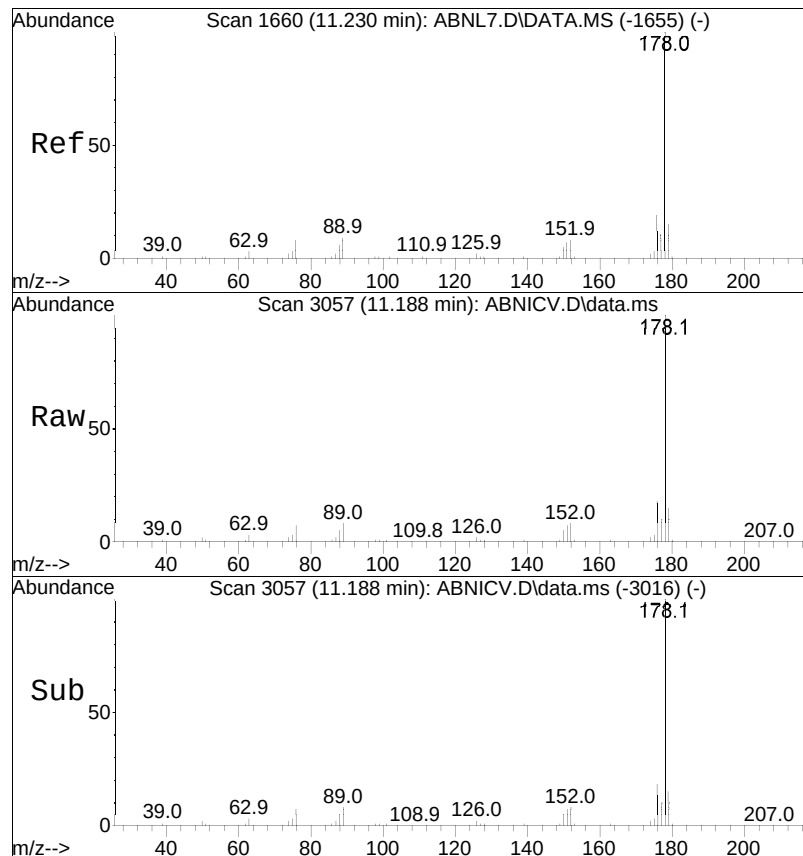




#89
 Phenanthrene
 Concen: 4.61 ug/ml
 RT: 11.136 min Scan# 3040
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

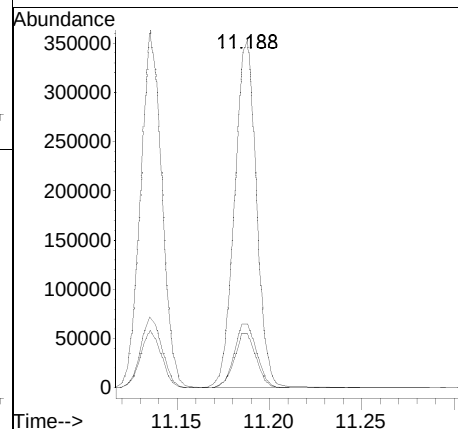
Tgt Ion:	178	Resp:	291648
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.2	18.2
176	19.9	15.4	23.2

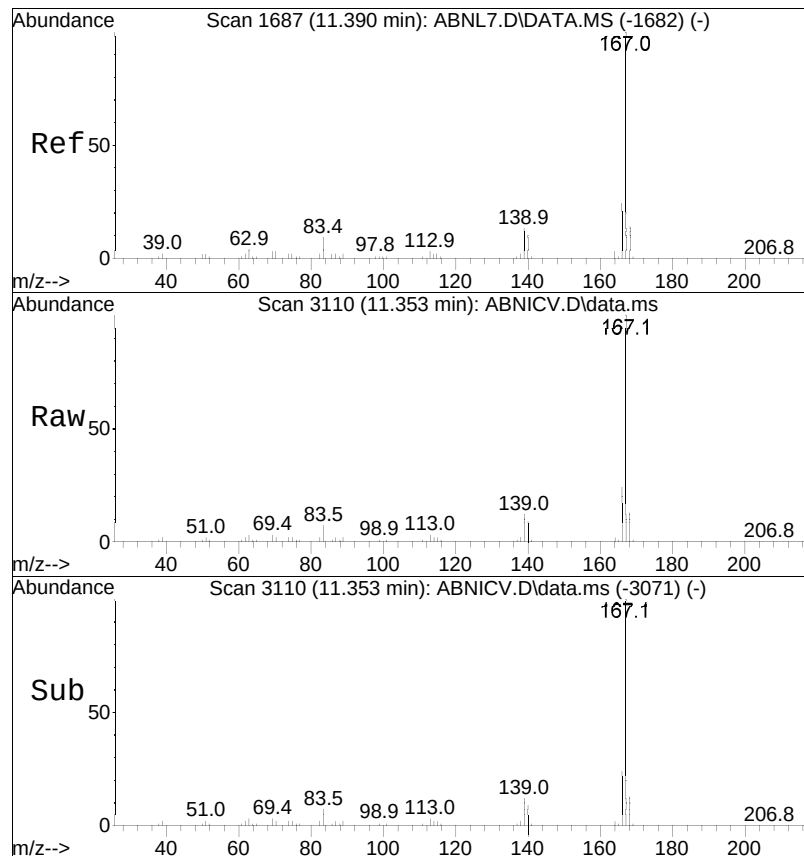




#90
 Anthracene
 Concen: 4.69 ug/ml
 RT: 11.188 min Scan# 3057
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

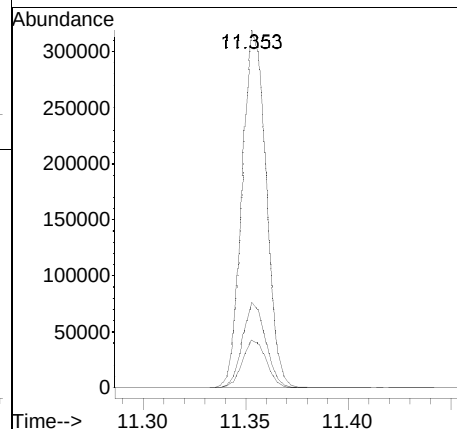
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.0	18.0
176	19.0	14.6	22.0

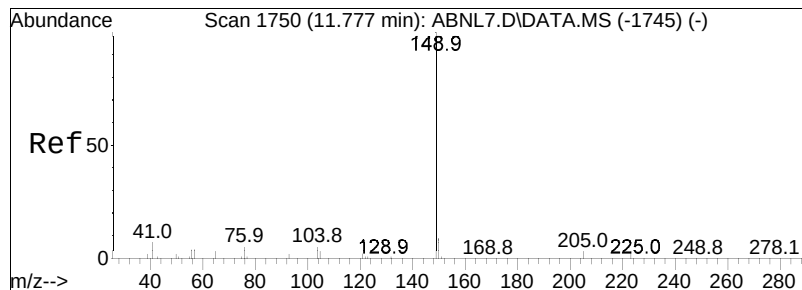




#91
 Carbazole
 Concen: 4.81 ug/ml
 RT: 11.353 min Scan# 3110
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

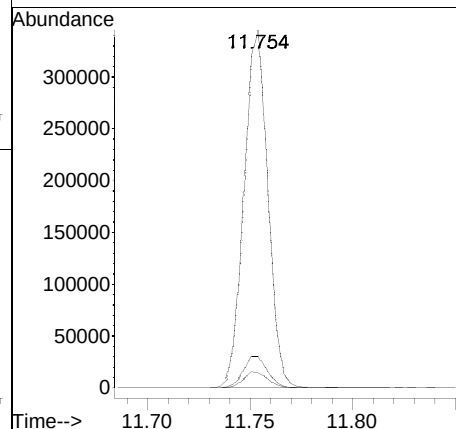
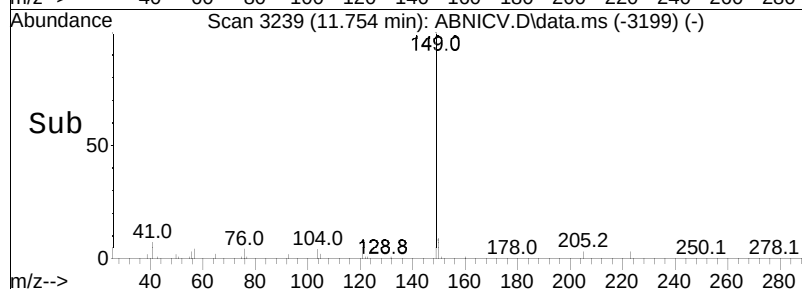
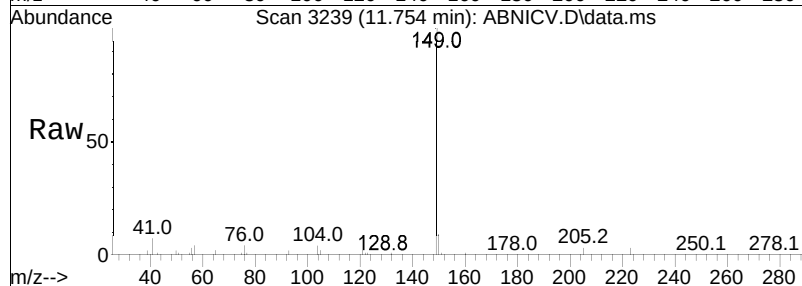
Tgt Ion:	167	Resp:	259039
Ion Ratio	Lower	Upper	
167	100		
168	13.4	10.6	15.8
166	23.2	17.4	26.0

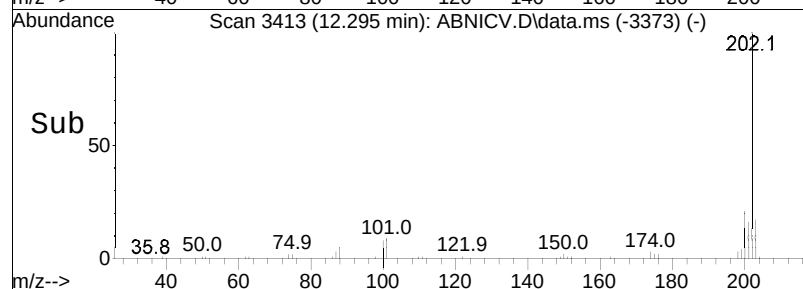
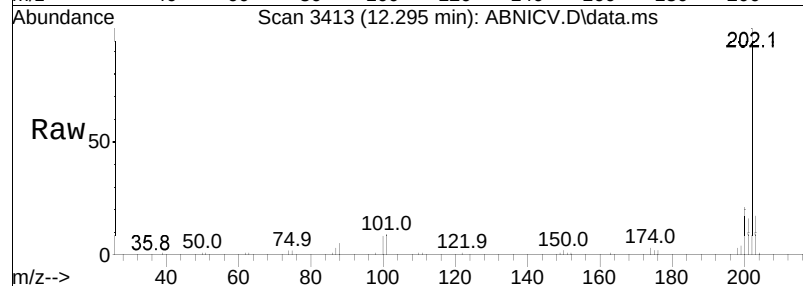
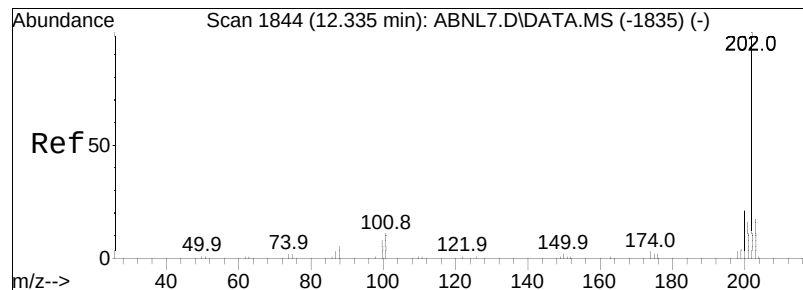




#92
 Di-n-butylphthalate
 Concen: 4.66 ug/ml
 RT: 11.754 min Scan# 3239
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	275006		
150	9.0		7.0	10.6
104	4.6		4.5	6.7





#93

Fluoranthene

Concen: 4.63 ug/ml

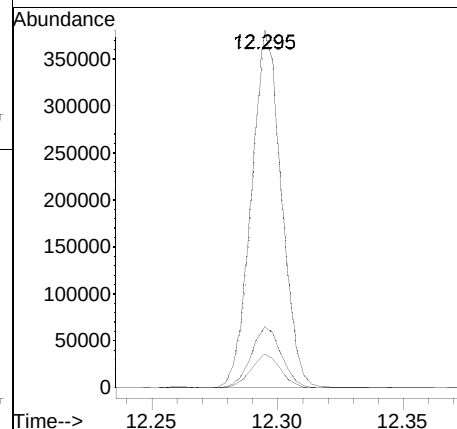
RT: 12.295 min Scan# 3413

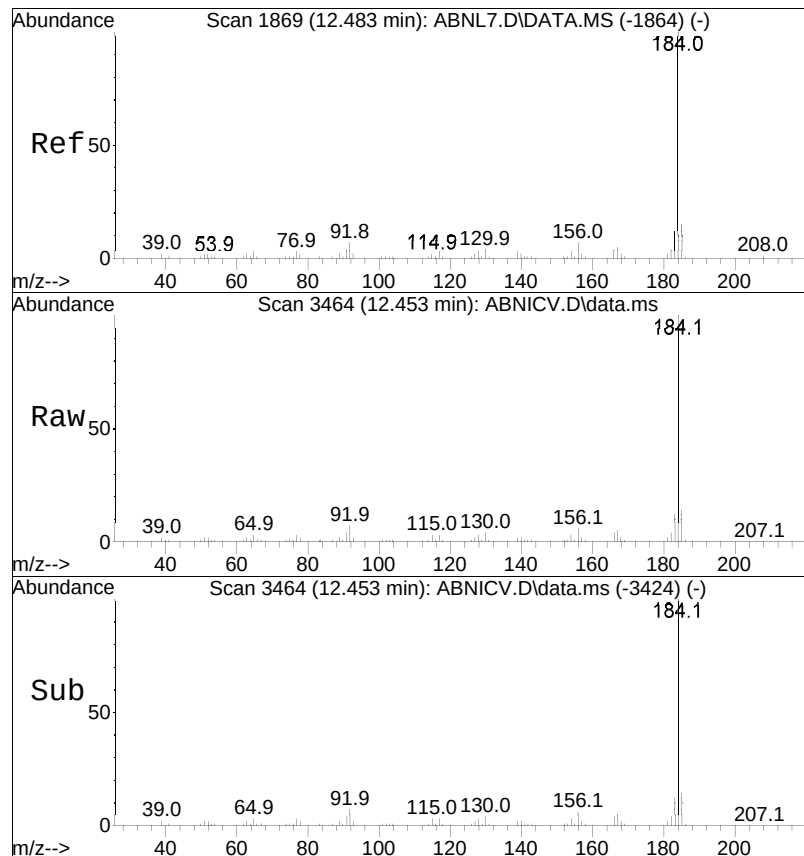
Delta R.T. -0.000 min

Lab File: ABNICV.D

Acq: 26 Aug 2025 10:39 pm

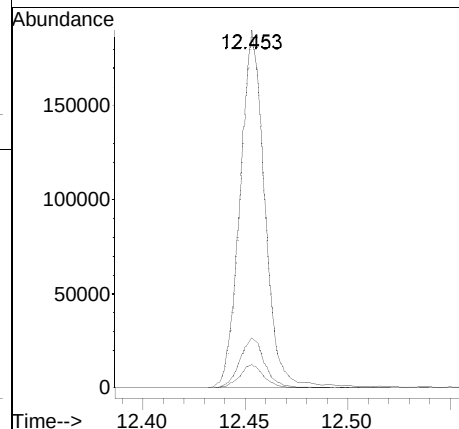
Tgt	Ion:202	Resp:	311269
Ion	Ratio	Lower	Upper
202	100		
101	9.4	13.5	20.3#
203	17.4	13.6	20.4

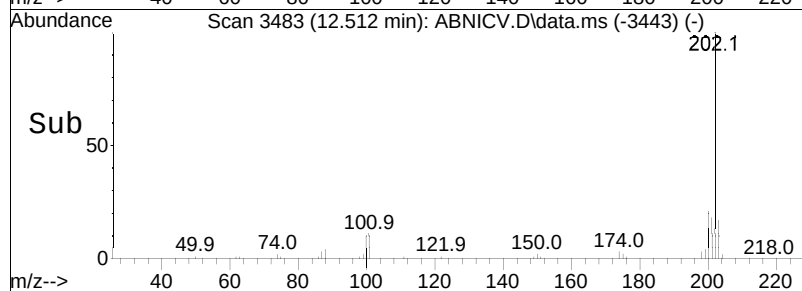
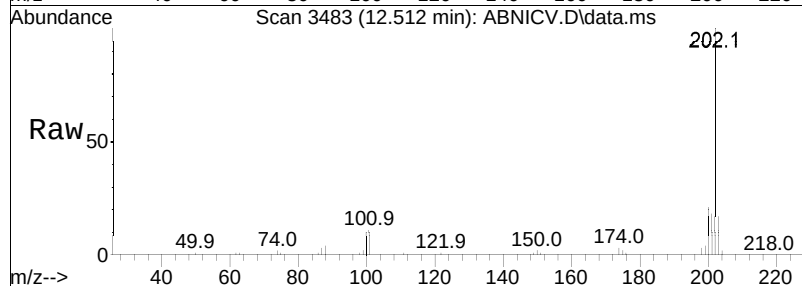
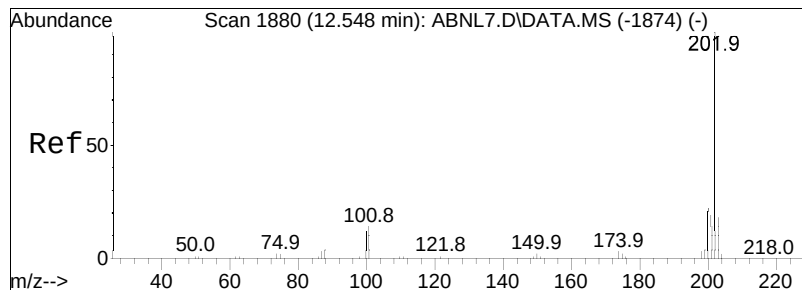




#94
 Benzidine
 Concen: 4.17 ug/ml
 RT: 12.453 min Scan# 3464
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

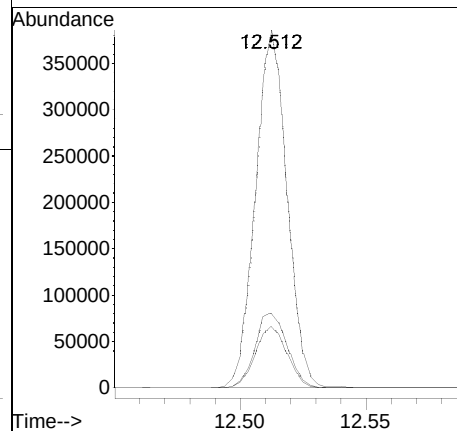
Tgt Ion:	184	Resp:	157791
Ion Ratio	Lower	Upper	
184	100		
92	6.4	9.1	13.7#
185	14.1	11.1	16.7

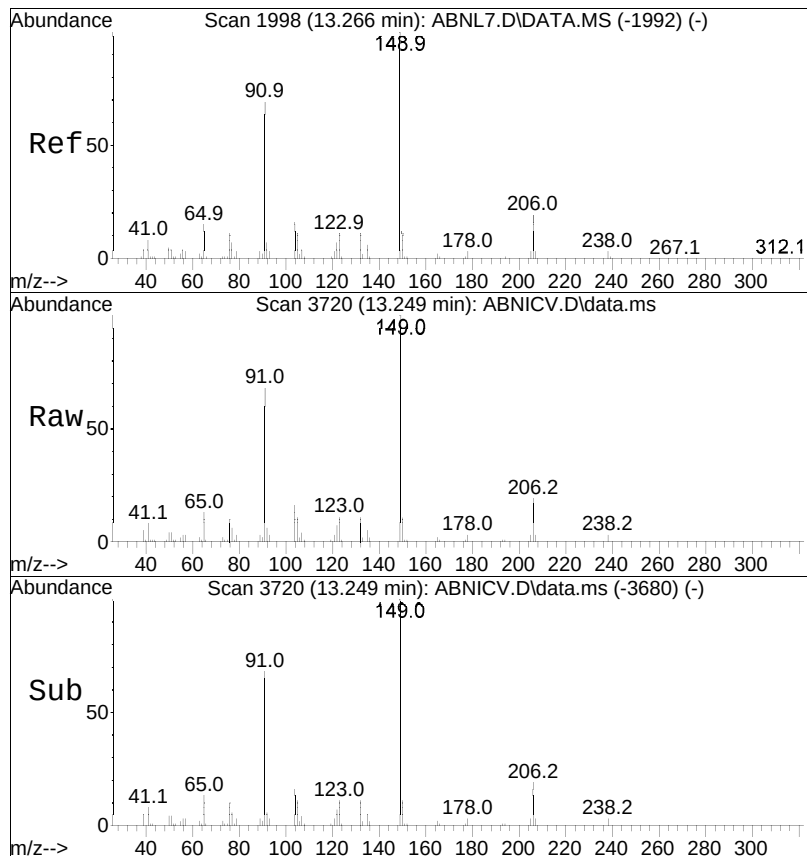




#95
 Pyrene
 Concen: 4.65 ug/ml
 RT: 12.512 min Scan# 3483
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

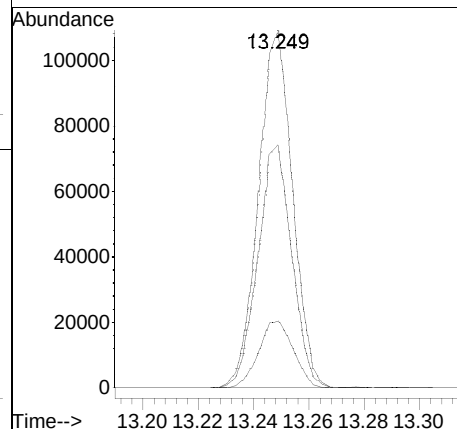
Tgt Ion	202	Resp	331953
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.7	25.1
203	17.4	14.2	21.4

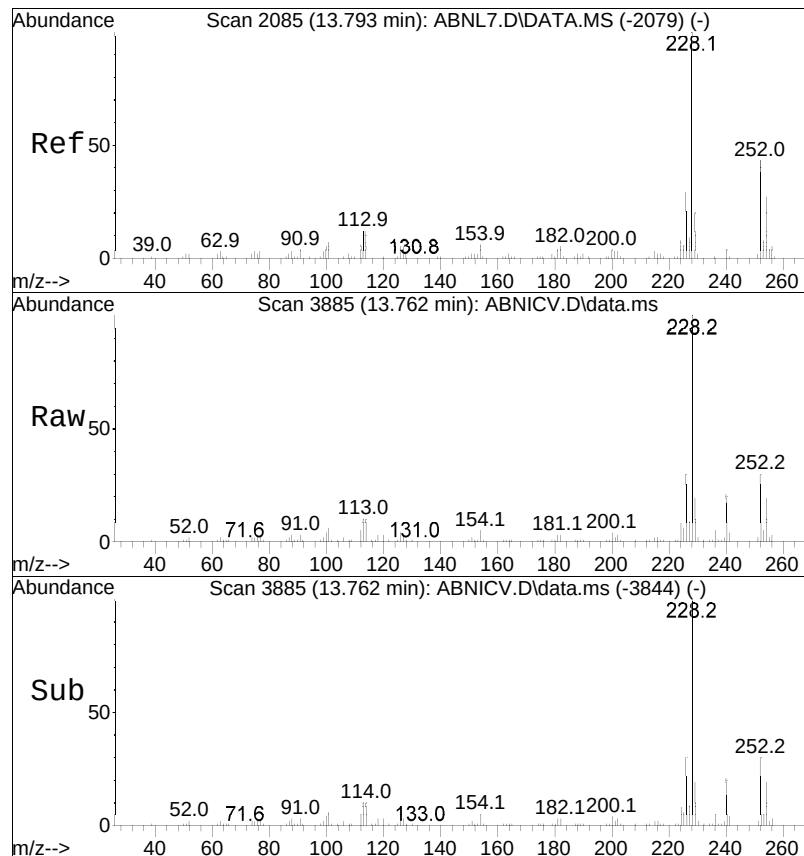




#97
 Butyl benzyl phthalate
 Concen: 3.66 ug/ml
 RT: 13.249 min Scan# 3720
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

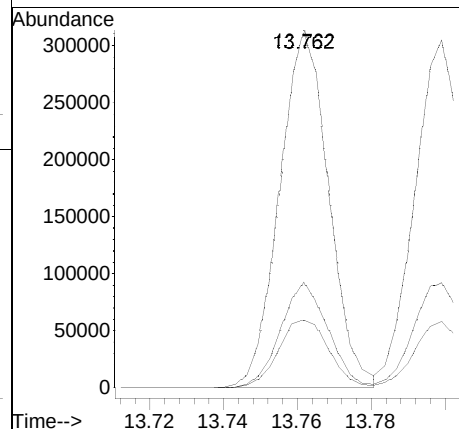
Tgt Ion:	149	Resp:	92290
Ion Ratio	Lower	Upper	
149	100		
91	67.9	63.3	94.9
206	19.3	13.9	20.9

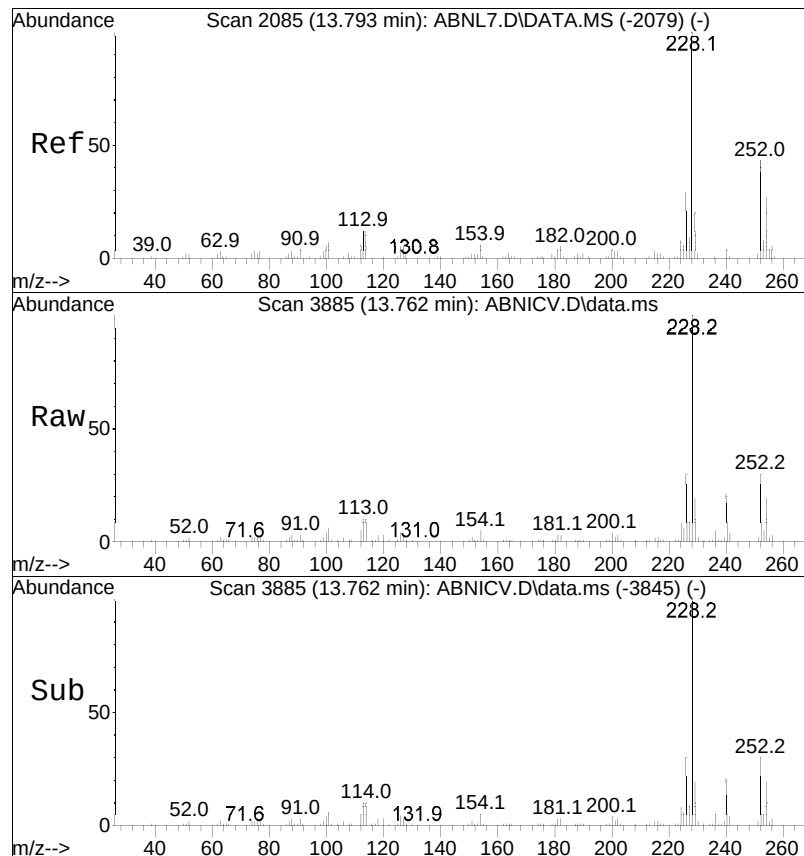




#105
 Benzo(a)anthracene
 Concen: 4.66 ug/ml
 RT: 13.762 min Scan# 3885
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

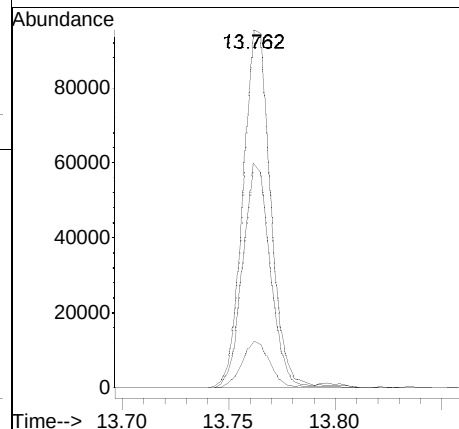
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.4
229	19.6	15.6	23.4

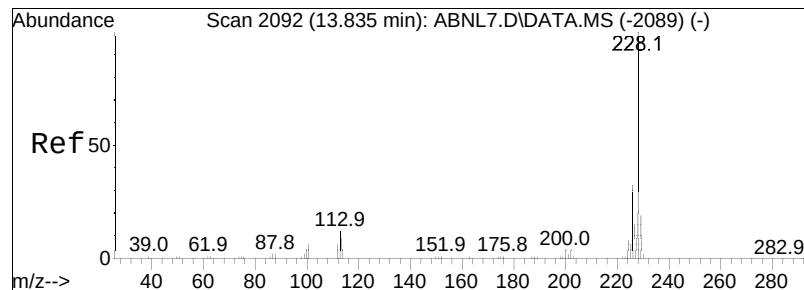




#106
 3,3'-Dichlorobenzidine
 Concen: 4.33 ug/ml
 RT: 13.762 min Scan# 3885
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

Tgt Ion:	252	Resp:	85720
Ion Ratio	Lower	Upper	
252	100		
126	13.2	14.5	21.7#
254	63.0	51.2	76.8





#107

Chrysene

Concen: 4.59 ug/ml

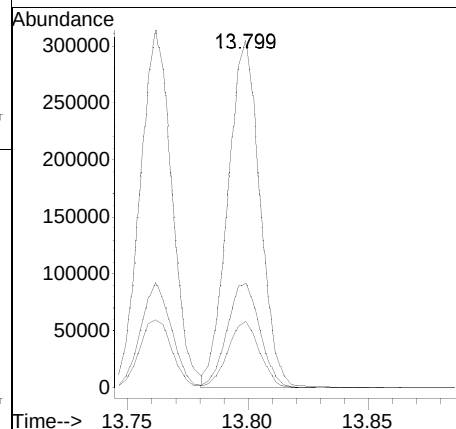
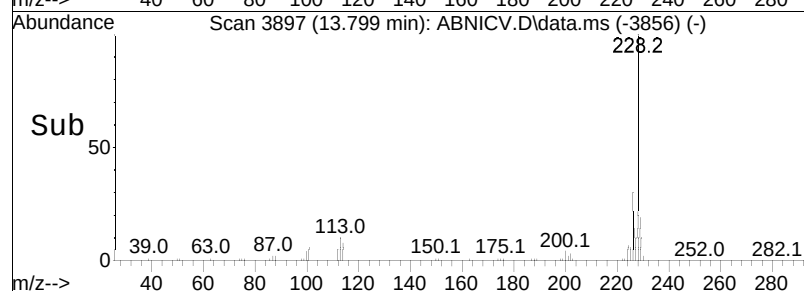
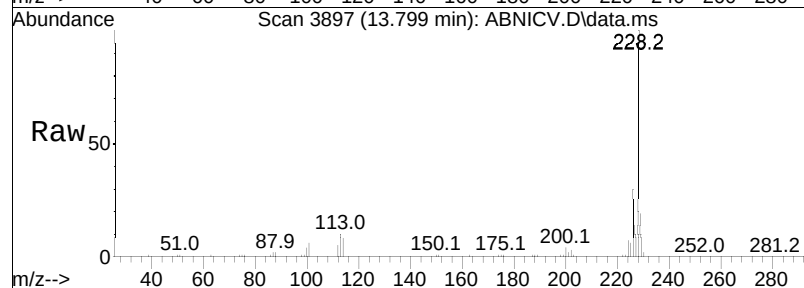
RT: 13.799 min Scan# 3897

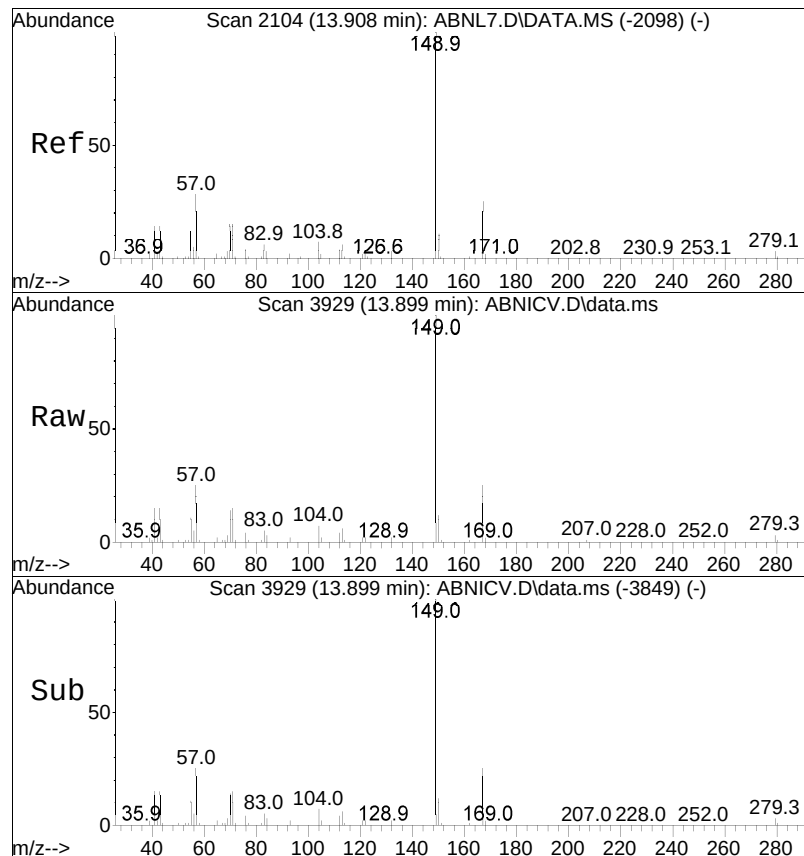
Delta R.T. 0.003 min

Lab File: ABNICV.D

Acq: 26 Aug 2025 10:39 pm

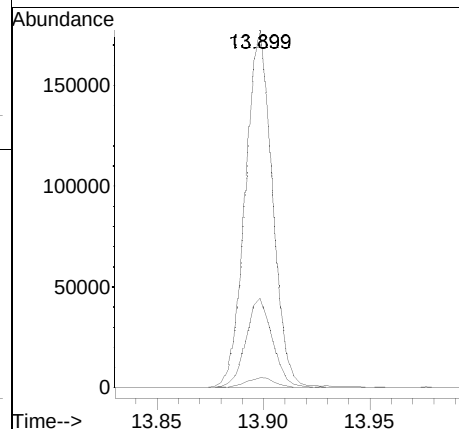
Tgt Ion:	228	Resp:	282064
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.0	36.0
229	19.1	15.8	23.8

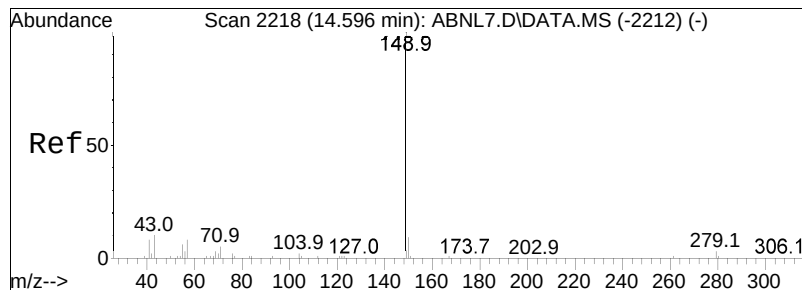




#108
Bis(2-ethylhexyl)phthalate
Concen: 4.06 ug/ml
RT: 13.899 min Scan# 3929
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Aug 2025 10:39 pm

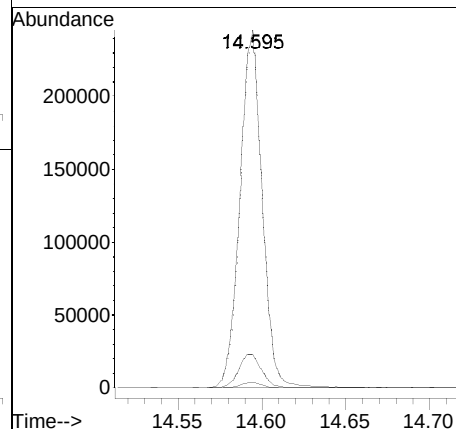
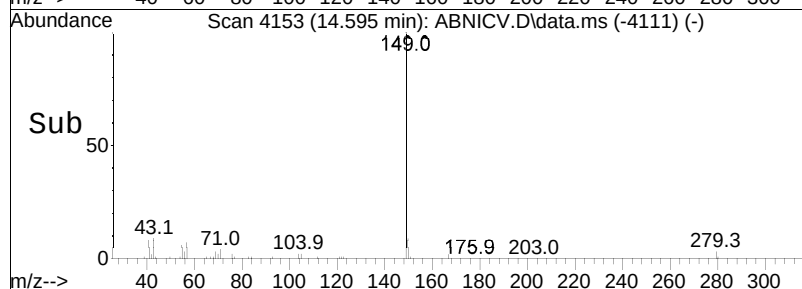
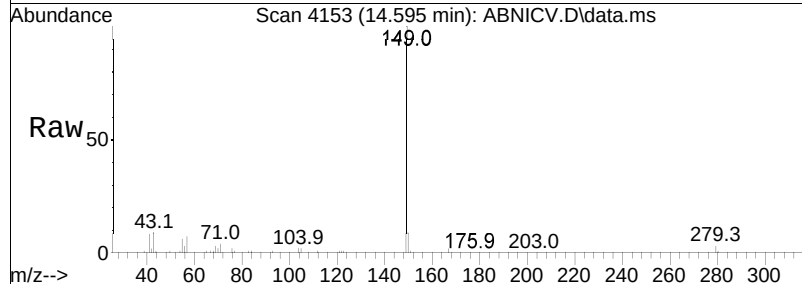
Tgt Ion:	149	Resp:	155296
Ion Ratio	Lower	Upper	
149	100		
167	24.5	22.1	33.1
279	2.7	3.0	4.4#

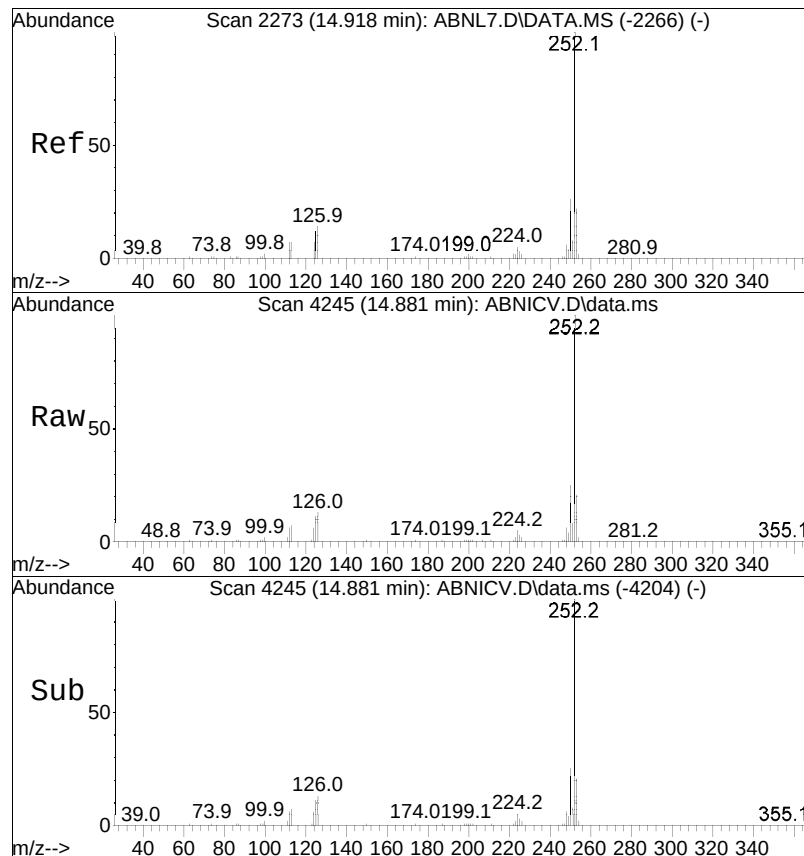




#109
 Di-n-octylphthalate
 Concen: 3.78 ug/ml
 RT: 14.595 min Scan# 4153
 Delta R.T. 0.006 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

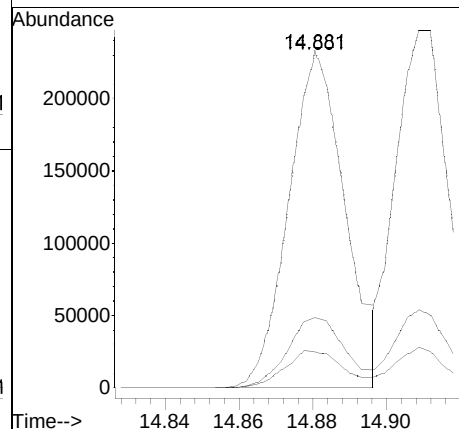
Tgt Ion:	149	Resp:	222528
Ion Ratio	Lower	Upper	
149	100		
43	9.9	18.8	28.2#
167	1.4	1.3	1.9

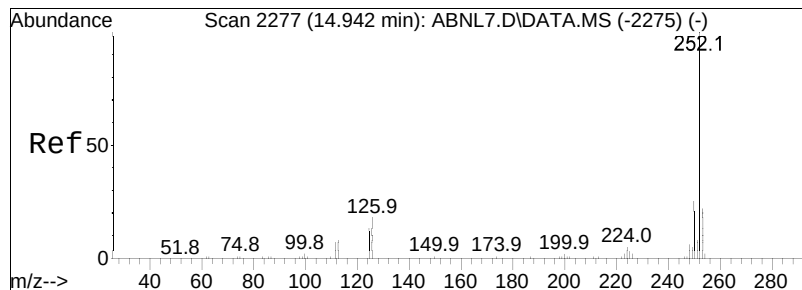




#110
 Benzo(b)fluoranthene
 Concen: 4.59 ug/ml
 RT: 14.881 min Scan# 4245
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

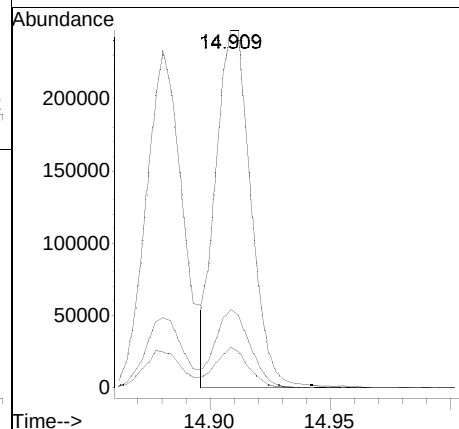
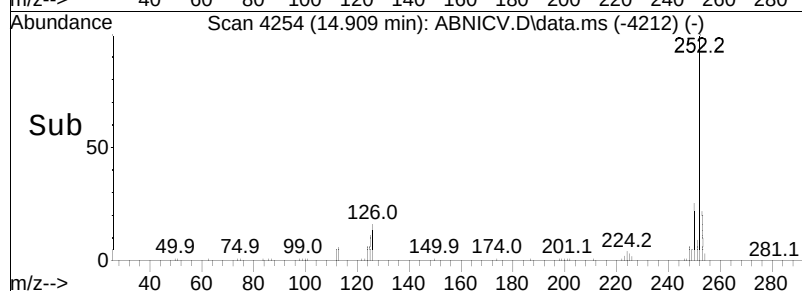
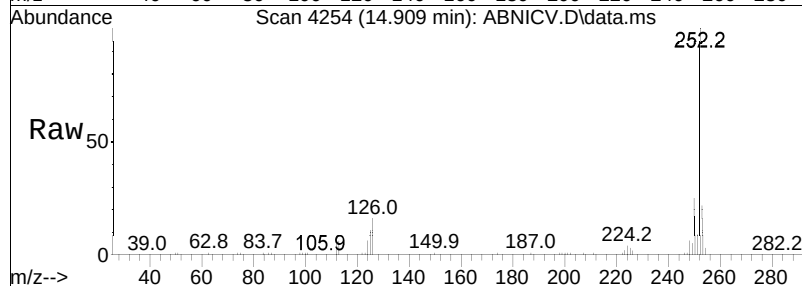
Tgt Ion:	252	Resp:	246766
Ion Ratio	Lower	Upper	
252	100		
125	11.3	13.3	19.9#
253	21.7	17.1	25.7

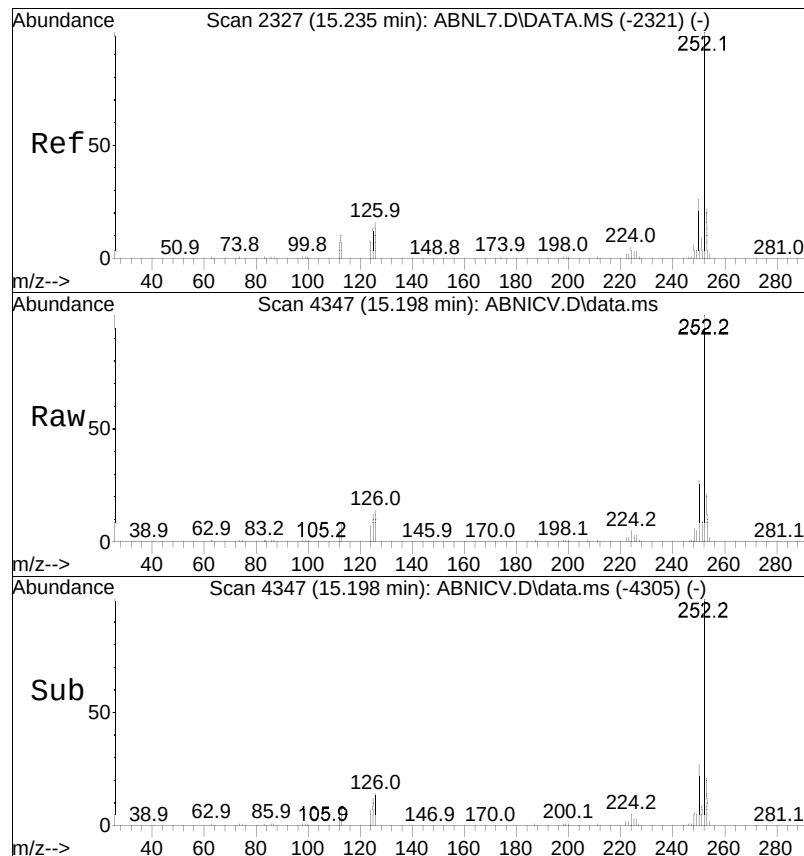




#111
 Benzo(k)fluoranthene
 Concen: 4.59 ug/ml
 RT: 14.909 min Scan# 4254
 Delta R.T. 0.006 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

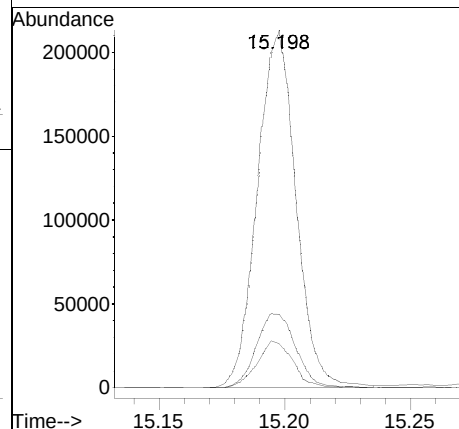
Tgt Ion	Ratio	Lower	Upper
252	100		
125	11.3	13.0	19.6#
253	21.5	16.8	25.2

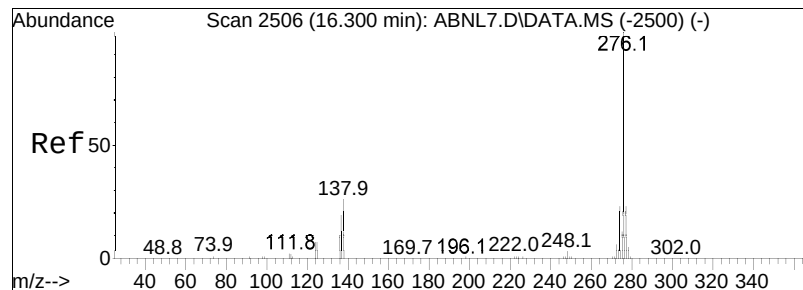




#112
 Benzo(a)pyrene
 Concen: 4.50 ug/ml
 RT: 15.198 min Scan# 4347
 Delta R.T. 0.006 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		225085		
125	12.4	14.2	21.2#		
253	21.6	16.9	25.3		





#114

Indeno(1,2,3-cd)pyrene

Concen: 4.50 ug/mL

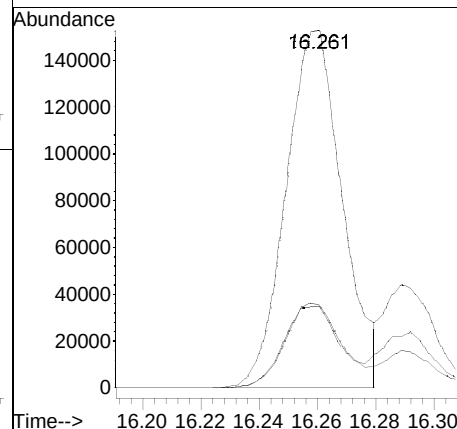
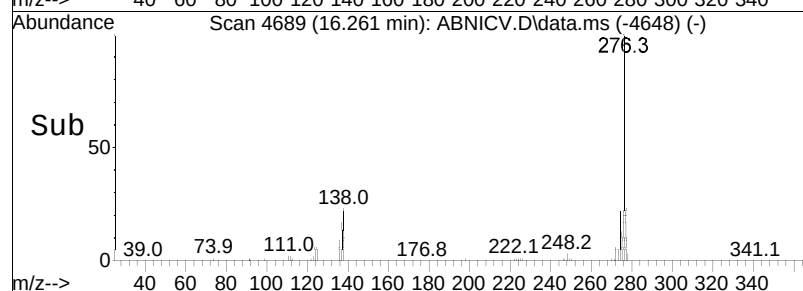
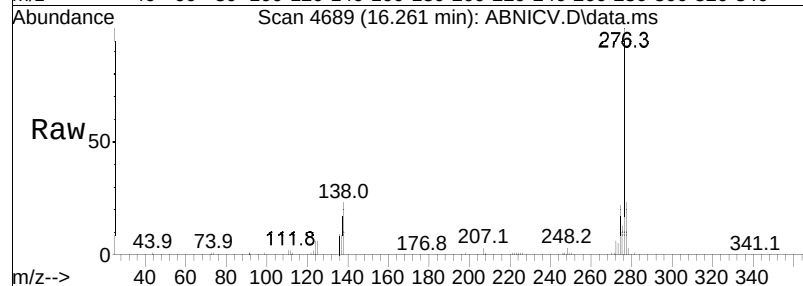
RT: 16.261 min Scan# 4689

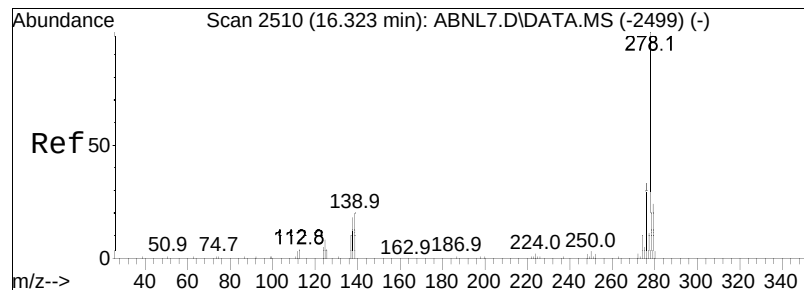
Delta R.T. 0.003 min

Lab File: ABNICV.D

Acq: 26 Aug 2025 10:39 pm

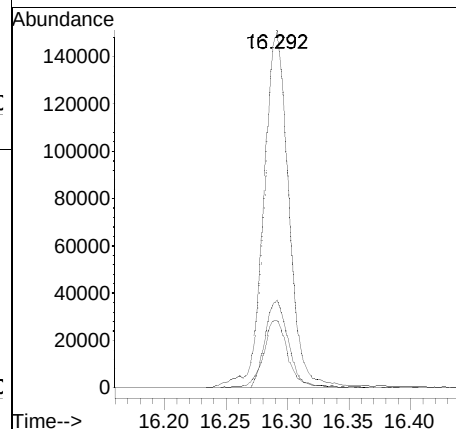
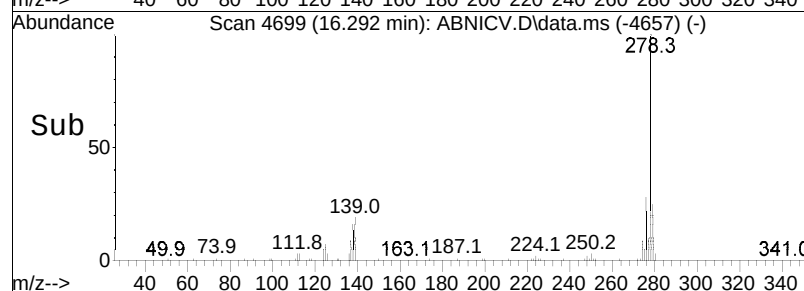
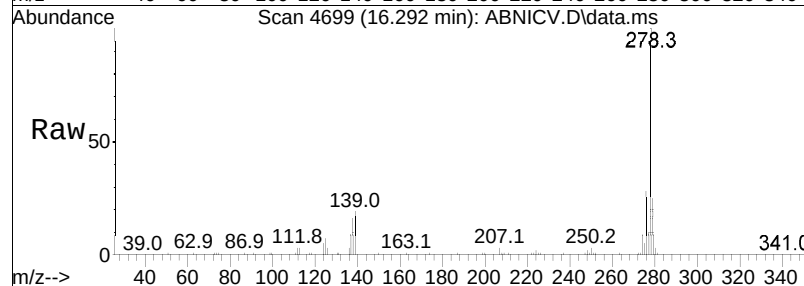
Tgt	Ion:276	Resp:	204167
Ion	Ratio	Lower	Upper
276	100		
138	23.4	25.1	37.7#
277	23.5	18.6	28.0

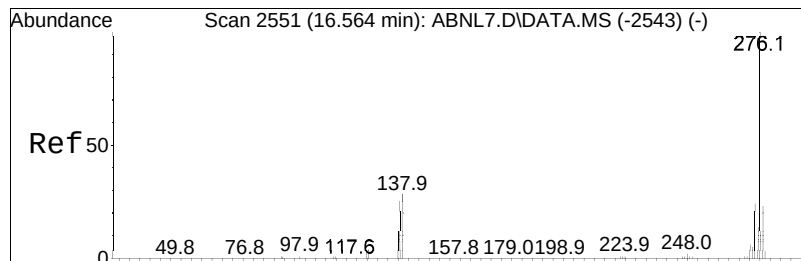




#115
 Dibenzo(a,h)anthracene
 Concen: 4.49 ug/ml
 RT: 16.292 min Scan# 4699
 Delta R.T. 0.006 min
 Lab File: ABNICV.D
 Acq: 26 Aug 2025 10:39 pm

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.1	20.8	31.2#
279	23.7	18.3	27.5





#116

Benzo(ghi)perylene

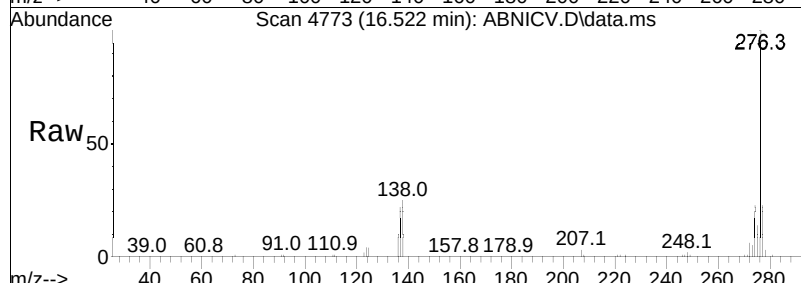
Concen: 4.63 ug/ml

RT: 16.522 min Scan# 4773

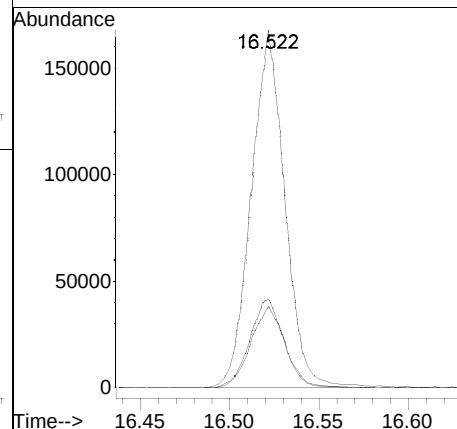
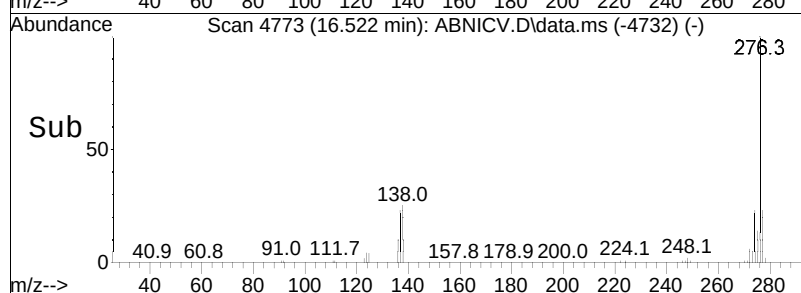
Delta R.T. 0.003 min

Lab File: ABNICV.D

Acq: 26 Aug 2025 10:39 pm



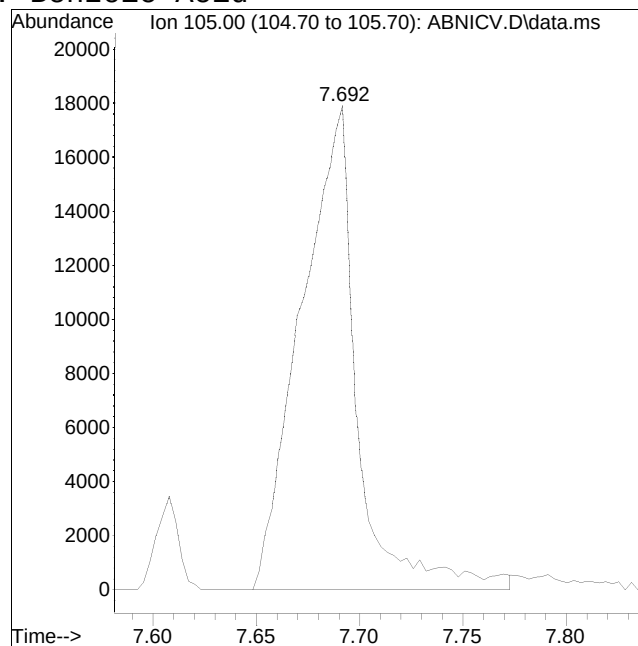
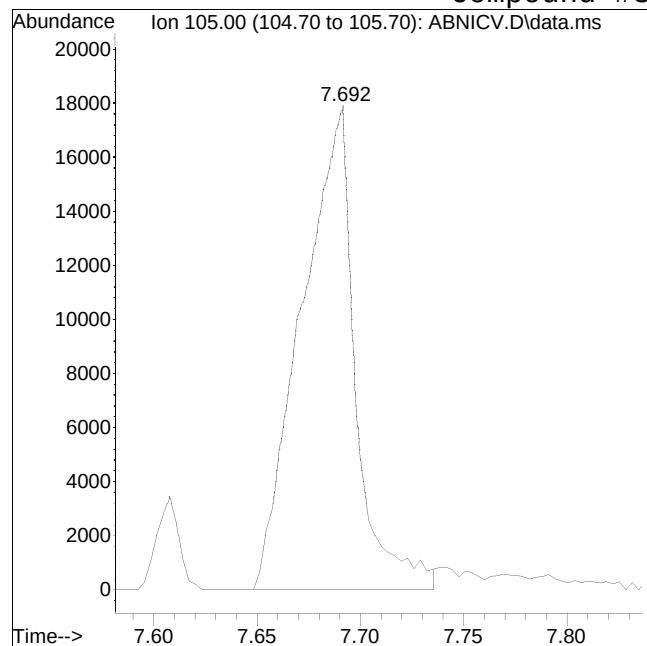
Tgt Ion:	276	Resp:	217481
Ion Ratio	Lower	Upper	
276	100		
138	25.7	29.2	43.8#
277	23.4	18.8	28.2



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ABNICV.D Operator : SV107:ljj
Date Inj'd : 8/26/2025 10:39 pm Instrument : SV107
Sample : CQICV1,32,,ABNICV Lot# 11905 Quant Date : 8/29/2025 6:20 am

Compound #37: Benzoic Acid



Original Peak Response = 32536

Manual Peak Response = 33881 M1

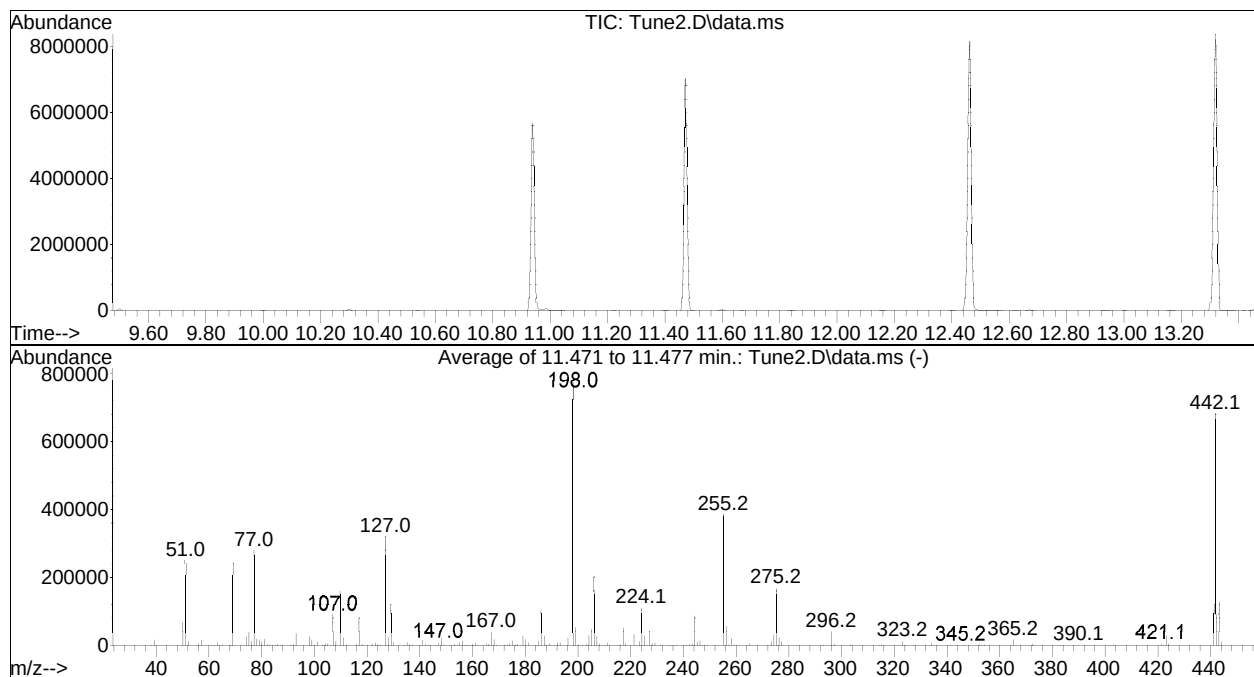
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

DFTPP

Data Path : I:\8270\SV107\250826ical\
 Data File : Tune2.D
 Acq On : 26 Aug 2025 11:05 pm
 Operator : SV107:ljg
 Sample : Tune lot #11857
 Misc : WG2108478
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV107\250826ical\DftppSV107.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Wed Mar 05 13:38:17 2025

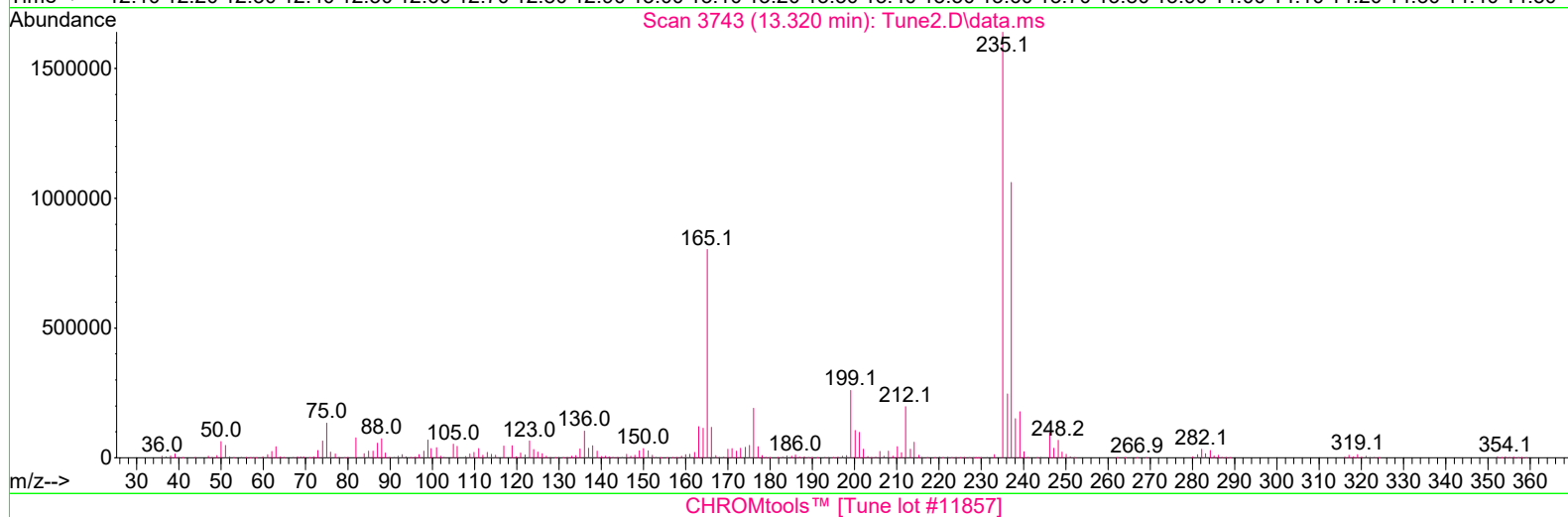
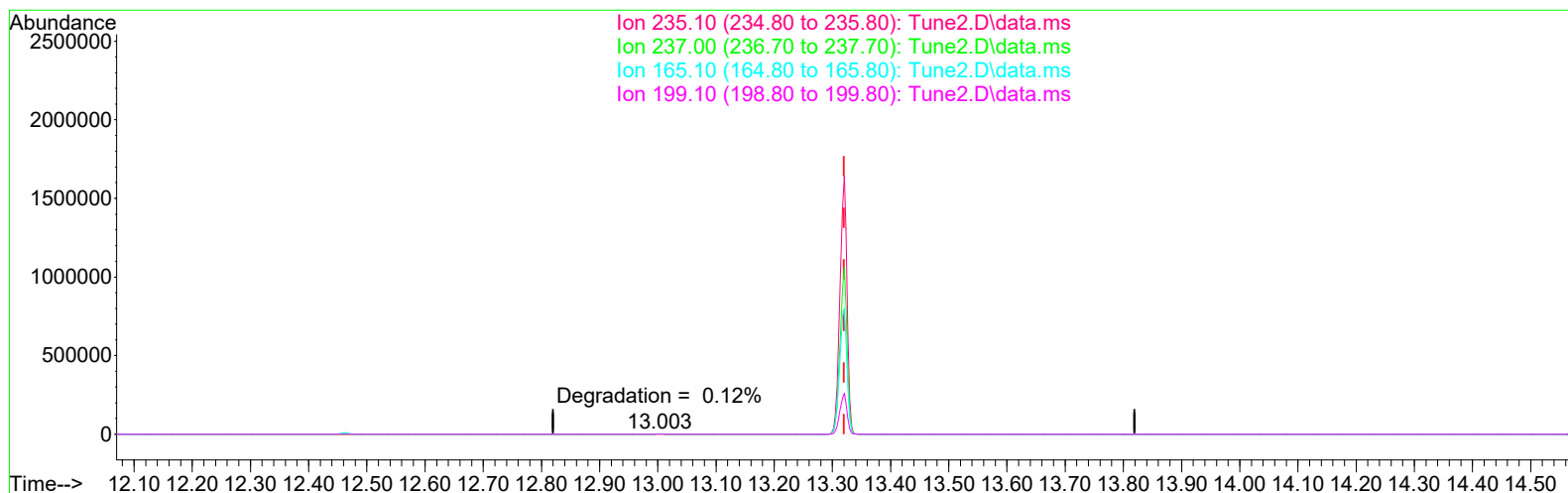


Spectrum Information: Average of 11.471 to 11.477 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.1	249365	PASS
68	69	0.00	2	1.8	4376	PASS
70	69	0.00	2	0.5	1202	PASS
127	198	40	60	41.2	320192	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	776320	PASS
199	198	5	9	6.8	52739	PASS
275	198	10	30	21.6	167915	PASS
365	198	1	100	2.2	16971	PASS
441	443	0.01	100	93.9	120699	PASS
442	198	40	100	87.9	682219	PASS
443	442	17	23	18.9	128600	PASS

Data Path : I:\8270\SV107\250826ical\
Data File : Tune2.D
Acq On : 26 Aug 2025 11:05 pm
Operator : SV107:ljg
Sample : Tune lot #11857
Misc : WG2108478
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 27 05:39:31 2025
Quant Method : I:\8270\SV107\250826ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 13:38:17 2025
Response via : Initial Calibration



CHROMtools™ [Tune lot #11857]

(6) DDT (T)

13.320min (+ 0.000) 227.48

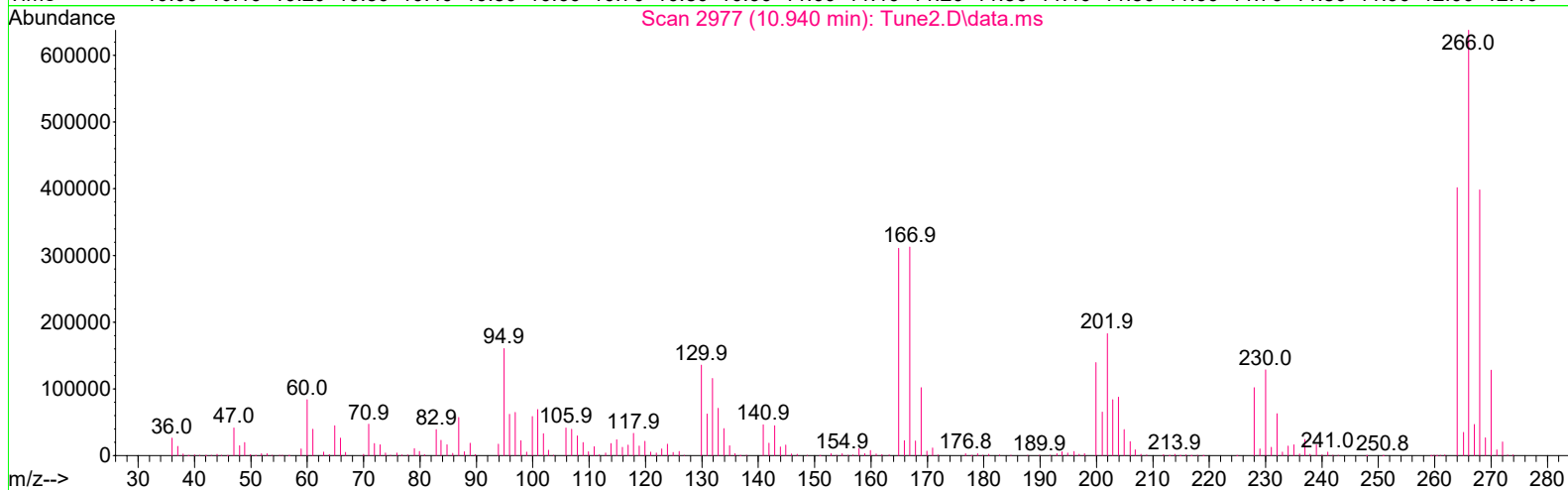
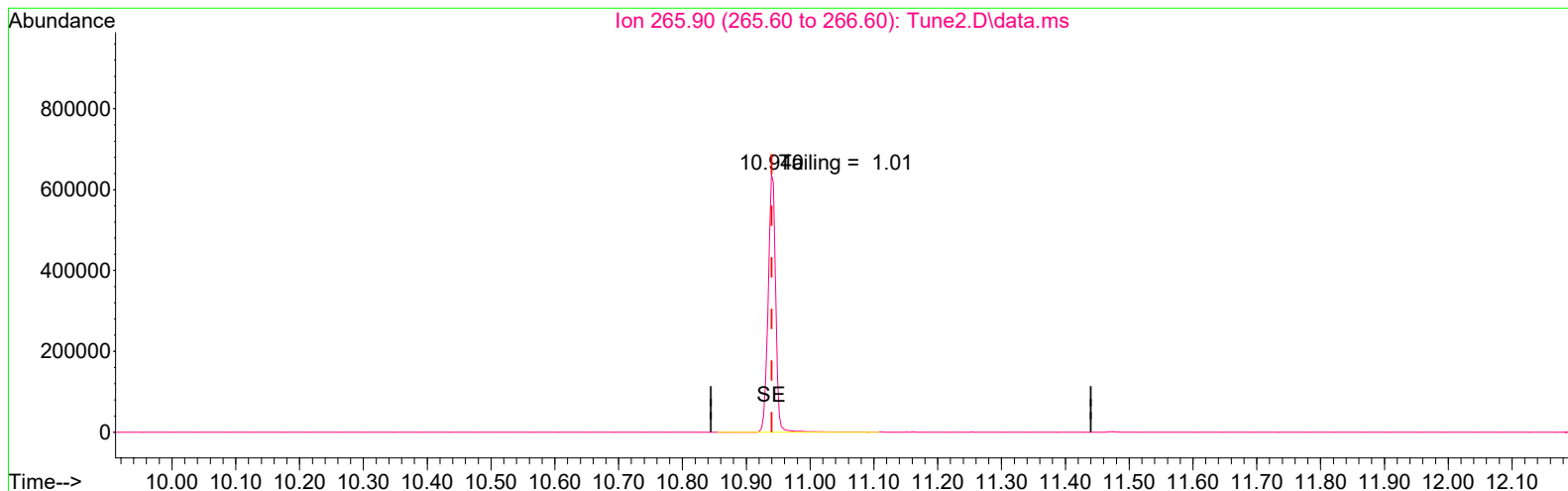
response 1386664

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	63.99
165.10	55.40	50.01
199.10	16.20	15.93

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250826ical\
 Data File : Tune2.D
 Acq On : 26 Aug 2025 11:05 pm
 Operator : SV107:ljg
 Sample : Tune lot #11857
 Misc : WG2108478
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 27 05:39:31 2025
 Quant Method : I:\8270\SV107\250826ical\DftppSV107.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Mar 05 13:38:17 2025
 Response via : Initial Calibration



CHROMtools™ [Tune lot #11857]

(1) Pentachlorophenol (T)

10.940min (-0.000) 247.93

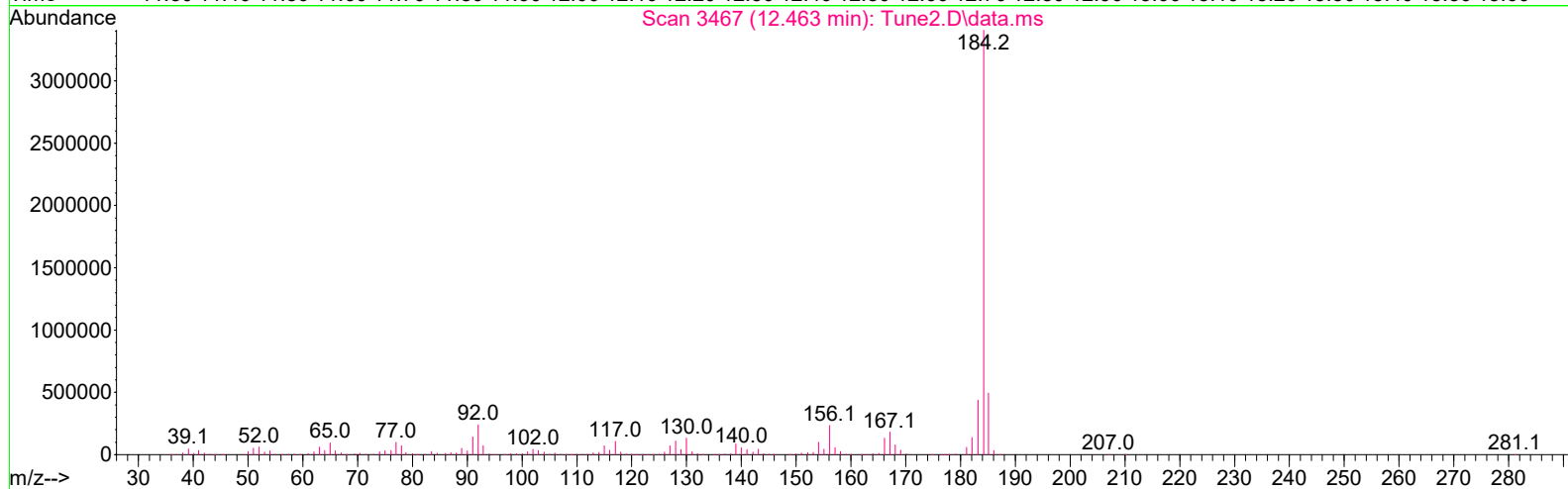
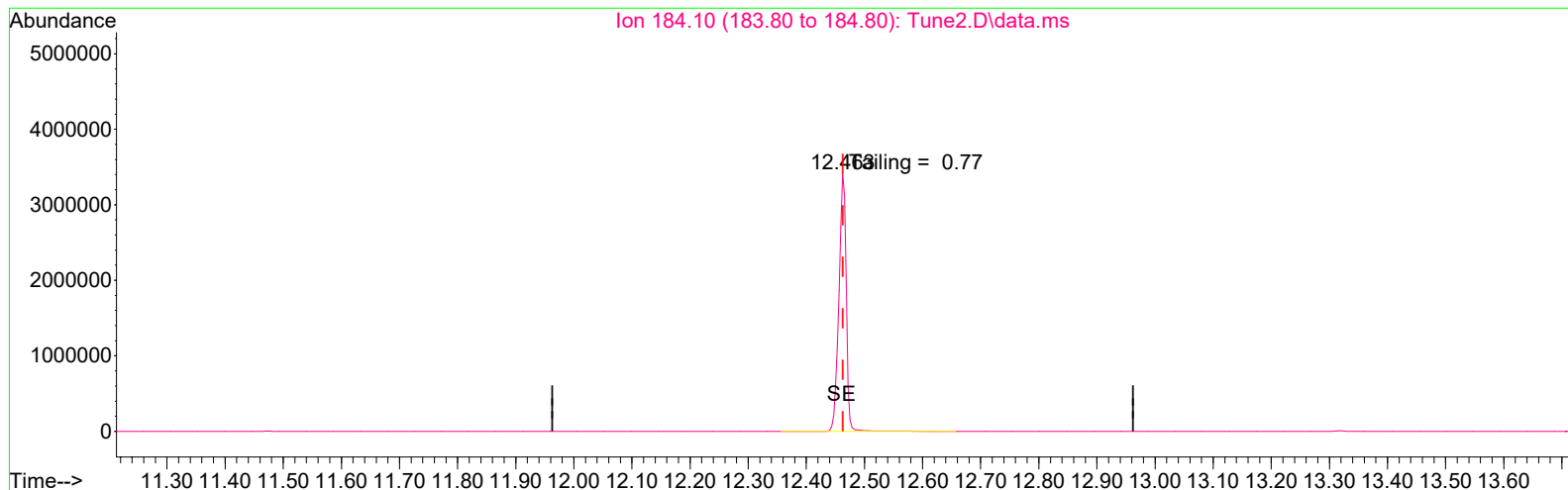
response 520732

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250826ical\
 Data File : Tune2.D
 Acq On : 26 Aug 2025 11:05 pm
 Operator : SV107:ljg
 Sample : Tune lot #11857
 Misc : WG2108478
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 27 05:39:31 2025
 Quant Method : I:\8270\SV107\250826ical\DftppSV107.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Mar 05 13:38:17 2025
 Response via : Initial Calibration



CHROMtools™ [Tune lot #11857]

(3) Benzidine (T)

12.463min (-0.000) 291.34

response 2965827

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL9.D
 Acq On : 27 Aug 2025 3:18 am
 Operator : SV107:ljb
 Sample : IL2,32,,ADPL50 Lot# 11903
 Misc : WG2108478
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 27 17:20:04 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:20:36 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.480	152	55201	4.000	ug/ml	0.00
Standard Area 2 = 55561			Recovery	=	99.35%	
86) IS3_Acenaphthene-d10	9.668	164	115890	4.000	ug/ml	0.00
Standard Area 2 = 118952			Recovery	=	97.43%	
100) IS3_Phenanthrene-d10	11.114	188	245277	4.000	ug/ml	# 0.00
Standard Area 2 = 234302			Recovery	=	104.68%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.901	88	341567	48.833	ug/ml#	81
34) n-Decane	6.371	57	1102802	51.496	ug/ml#	41
87) Atrazine	10.899	200	623991	54.964	ug/ml	97
101) n-Octadecane	11.101	57	1508895	50.953	ug/ml#	1
102) Parathion	11.913	109	342130	61.422	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.205	212	2438351	58.029	ug/ml	98

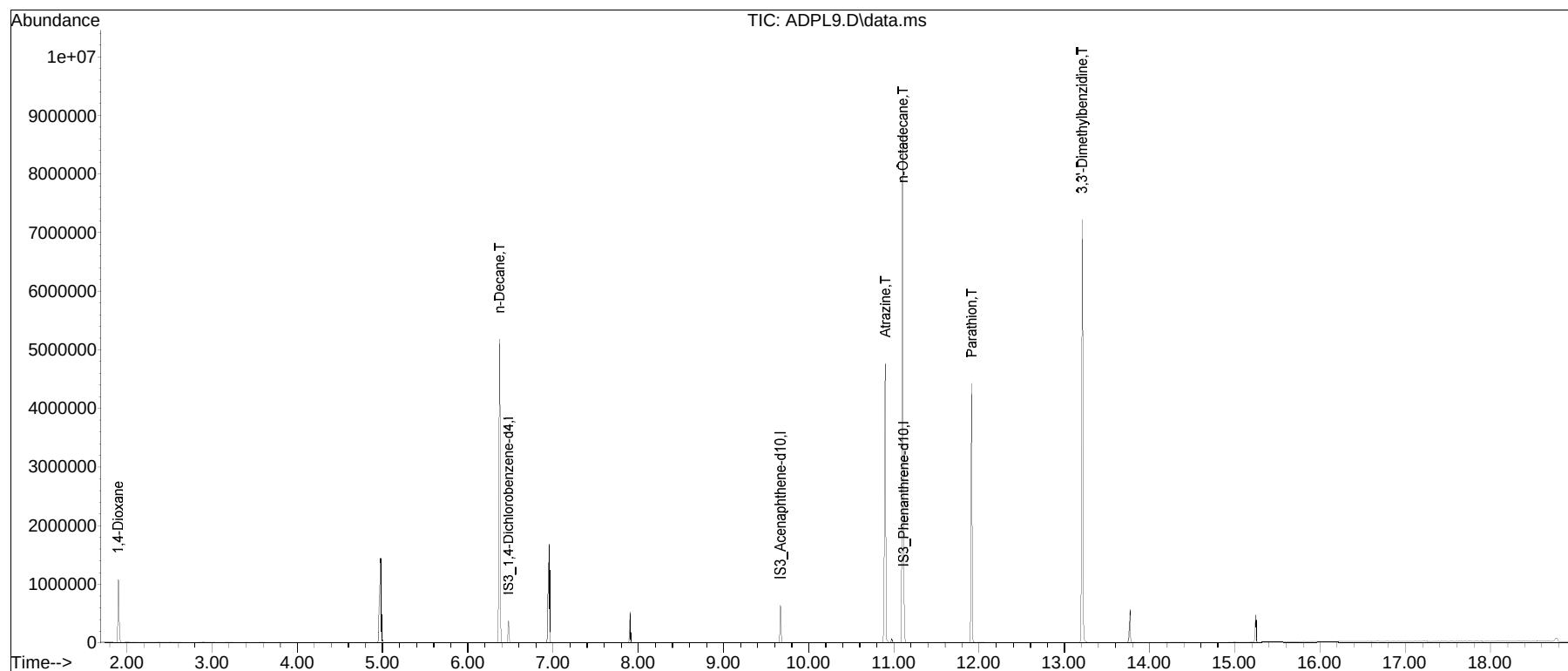
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL9.D
 Acq On : 27 Aug 2025 3:18 am
 Operator : SV107:ljg
 Sample : IL2,32,,ADPL50 Lot# 11903
 Misc : WG2108478
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 27 17:20:04 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:20:36 2025
 Response via : Initial Calibration

Sub List : ADPL9.D\8270\SV107\250826ical\AP9L6a.D•



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ADPL9.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 3:18 am Instrument : SV107
Sample : IL2,32,,ADPL50 Lot# 11903 Quant Date : 8/27/2025 5:20 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL8.D
 Acq On : 27 Aug 2025 3:43 am
 Operator : SV107:ljb
 Sample : IL3,32,,ADPL25 Lot# 11904
 Misc : WG2108478
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 27 17:19:33 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:20:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.480	152	54697	4.000	ug/ml	0.00
Standard Area 2 = 55561			Recovery	=	98.44%	
86) IS3_Acenaphthene-d10	9.668	164	114016	4.000	ug/ml	0.00
Standard Area 2 = 118952			Recovery	=	95.85%	
100) IS3_Phenanthrene-d10	11.114	188	232467	4.000	ug/ml	# 0.00
Standard Area 2 = 234302			Recovery	=	99.22%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.904	88	176834	26.051	ug/ml#	81
34) n-Decane	6.371	57	550054	26.914	ug/ml#	40
87) Atrazine	10.893	200	301114	29.252	ug/ml	97
101) n-Octadecane	11.098	57	729195	27.042	ug/ml#	1
102) Parathion	11.909	109	149665	32.736	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.202	212	1134175	33.083	ug/ml	98

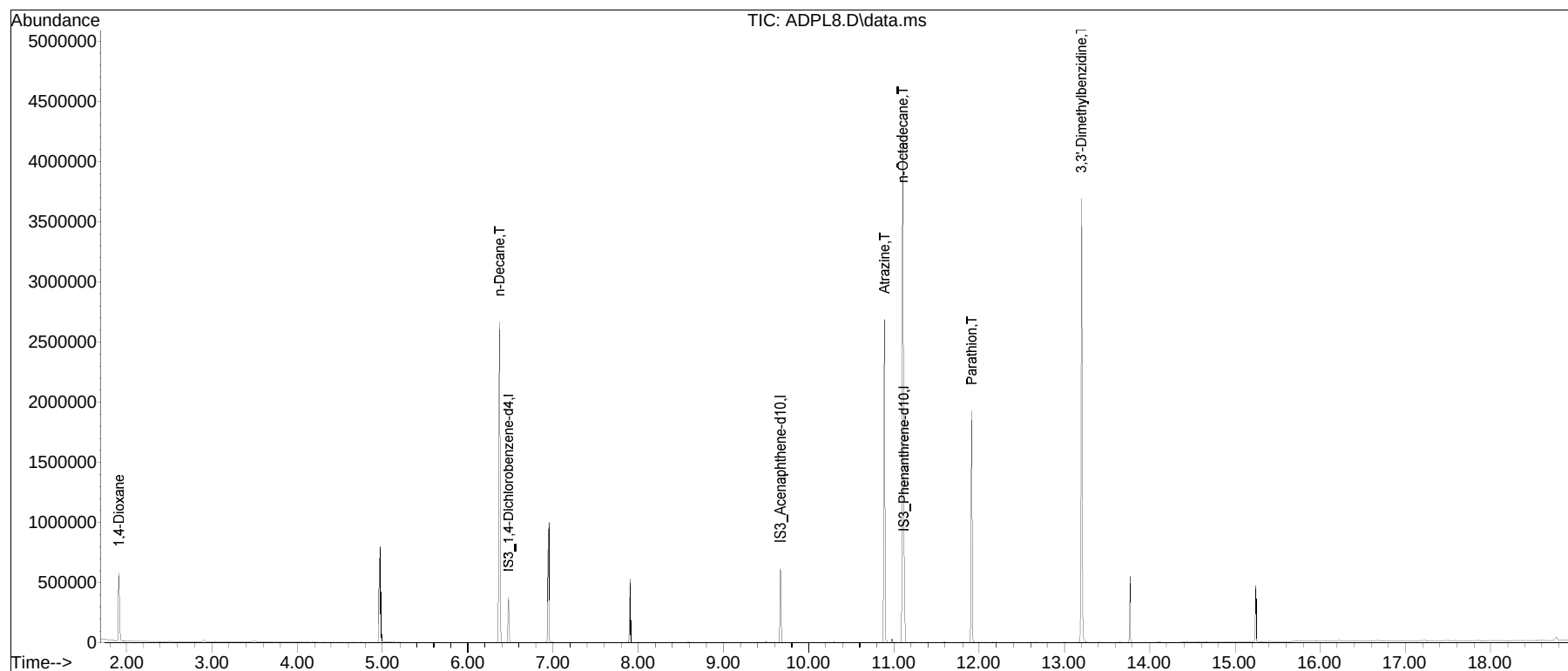
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL8.D
 Acq On : 27 Aug 2025 3:43 am
 Operator : SV107:ljg
 Sample : IL3,32,,ADPL25 Lot# 11904
 Misc : WG2108478
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 27 17:19:33 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:20:03 2025
 Response via : Initial Calibration

Sub List : ~~ADPL8.D~~ I:\8270\SV107\250826ical\AP9L6a.D•



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ADPL8.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 3:43 am Instrument : SV107
Sample : IL3,32,,ADPL25 Lot# 11904 Quant Date : 8/27/2025 5:20 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL7.D
 Acq On : 27 Aug 2025 4:08 am
 Operator : SV107:ljl
 Sample : IL4,32,,ADPL10 Lot# 11905
 Misc : WG2108478
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 28 16:38:21 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.480	152	55677	4.000	ug/ml	0.00
Standard Area 2 = 55561			Recovery =	100.21%		
86) IS3_Acenaphthene-d10	9.669	164	117236	4.000	ug/ml	0.00
Standard Area 2 = 118952			Recovery =	98.56%		
100) IS3_Phenanthrene-d10	11.111	188	232048	4.000	ug/ml	# 0.00
Standard Area 2 = 234302			Recovery =	99.04%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.905	88	69096	9.106	ug/ml#	82
34) n-Decane	6.371	57	208034	9.539	ug/ml#	40
87) Atrazine	10.890	200	105845	10.938	ug/ml	96
101) n-Octadecane	11.095	57	269170	10.526	ug/ml#	1
102) Parathion	11.906	109	45637	9.488	ug/ml	100
103) 3,3'-Dimethylbenzidine	13.202	212	342211	9.284	ug/ml	98

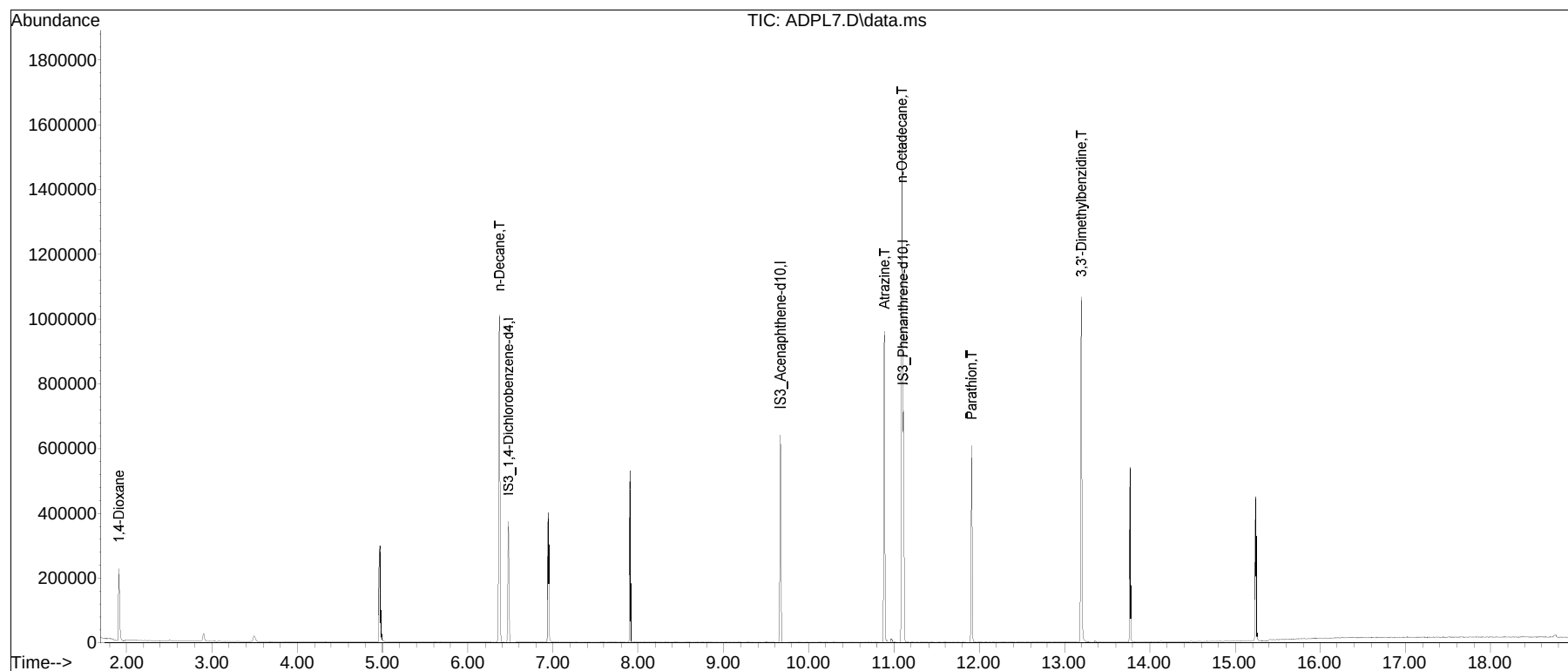
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL7.D
 Acq On : 27 Aug 2025 4:08 am
 Operator : SV107:ljg
 Sample : IL4,32,,ADPL10 Lot# 11905
 Misc : WG2108478
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 28 16:38:21 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:27:22 2025
 Response via : Initial Calibration

Sub List : ADPL7.D\8270\SV107\250826ical\AP9L6a.D•



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ADPL7.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 4:08 am Instrument : SV107
Sample : IL4,32,,ADPL10 Lot# 11905 Quant Date : 8/28/2025 4:39 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL6.D
 Acq On : 27 Aug 2025 4:34 am
 Operator : SV107:ljb
 Sample : IL5,32,,ADPL5 Lot# 11906
 Misc : WG2108478
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 05:35:26 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 05:35:45 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.480	152	55561	4.000	ug/ml	-0.05
Standard Area 2 = 55561			Recovery =	100.00%		
86) IS3_Acenaphthene-d10	9.668	164	118952	4.000	ug/ml	-0.07
Standard Area 2 = 118952			Recovery =	100.00%		
100) IS3_Phenanthrene-d10	11.114	188	234302M3	4.000	ug/ml	-0.06
Standard Area 2 = 234302			Recovery =	100.00%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.908	88	34492	3.454	ug/ml#	83
34) n-Decane	6.368	57	103215	2.946	ug/ml#	40
87) Atrazine	10.887	200	49849	6.339	ug/ml	97
101) n-Octadecane	11.098	57	133107	2.830	ug/ml#	1
102) Parathion	11.906	109	20062	3.836	ug/ml	97
103) 3,3'-Dimethylbenzidine	13.199	212	145378	5.968	ug/ml	98

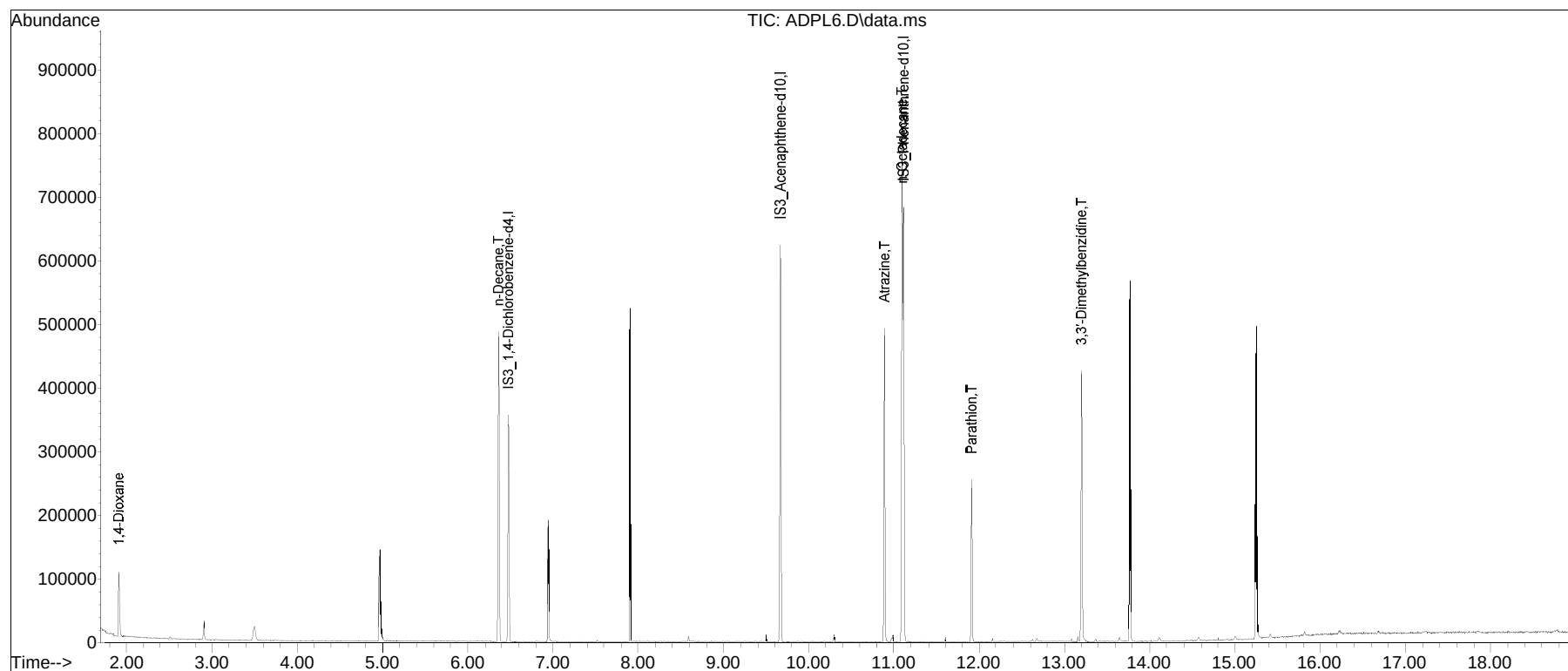
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL6.D
 Acq On : 27 Aug 2025 4:34 am
 Operator : SV107:ljl
 Sample : IL5,32,,ADPL5 Lot# 11906
 Misc : WG2108478
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 05:35:26 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 05:35:45 2025
 Response via : Initial Calibration

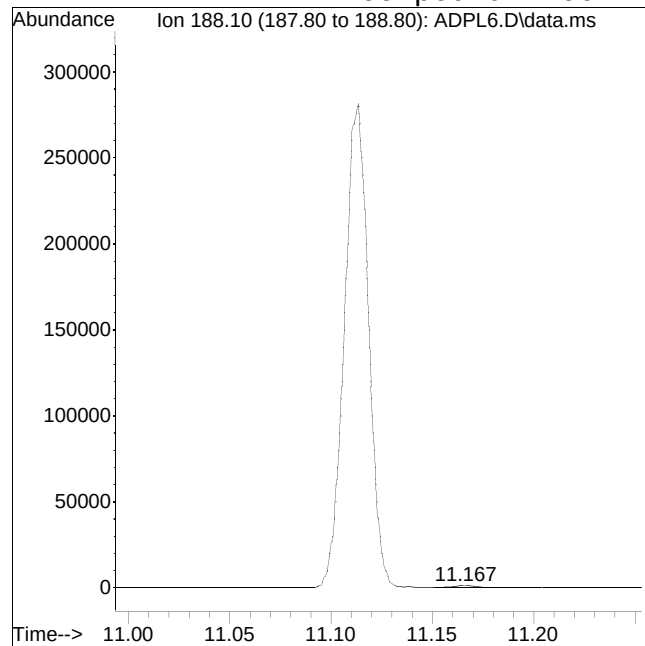
Sub List : ADPL6.D\8270\SV107\250826ical\AP9L6a.D•



Manual Integration Report

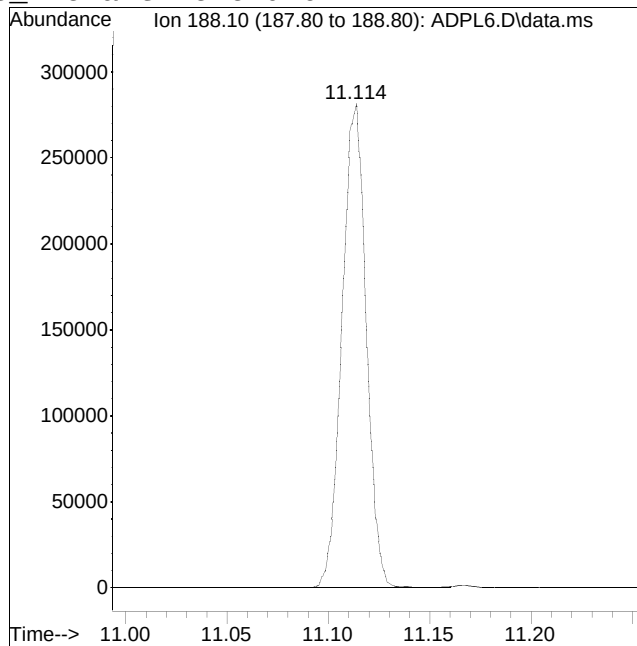
Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ADPL6.D Operator : SV107:ljl
Date Inj'd : 8/27/2025 4:34 am Instrument : SV107
Sample : IL5,32,,ADPL5 Lot# 11906 Quant Date : 8/27/2025 5:36 am

Compound #100: IS3_Phenanthrene-d10



Original Peak Response = 1333

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.



Manual Peak Response = 234302 M3

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL5.D
 Acq On : 27 Aug 2025 4:59 am
 Operator : SV107:ljb
 Sample : IL6,32,,ADPL2.5 Lot# 11907
 Misc : WG2108478
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 17:23:28 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:23:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.479	152	52931	4.000	ug/ml	0.00
Standard Area 2 = 55561			Recovery =	95.27%		
86) IS3_Acenaphthene-d10	9.668	164	116117	4.000	ug/ml	0.00
Standard Area 2 = 118952			Recovery =	97.62%		
100) IS3_Phenanthrene-d10	11.114	188	232228	4.000	ug/ml	# 0.00
Standard Area 2 = 234302			Recovery =	99.11%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.904	88	17590	2.399	ug/ml#	85
34) n-Decane	6.368	57	50259	2.396	ug/ml#	40
87) Atrazine	10.887	200	22835	2.372	ug/ml	96
101) n-Octadecane	11.098	57	62050	2.425	ug/ml#	1
102) Parathion	11.906	109	8870	1.964	ug/ml	100
103) 3,3'-Dimethylbenzidine	13.202	212	57716	1.967	ug/ml	98

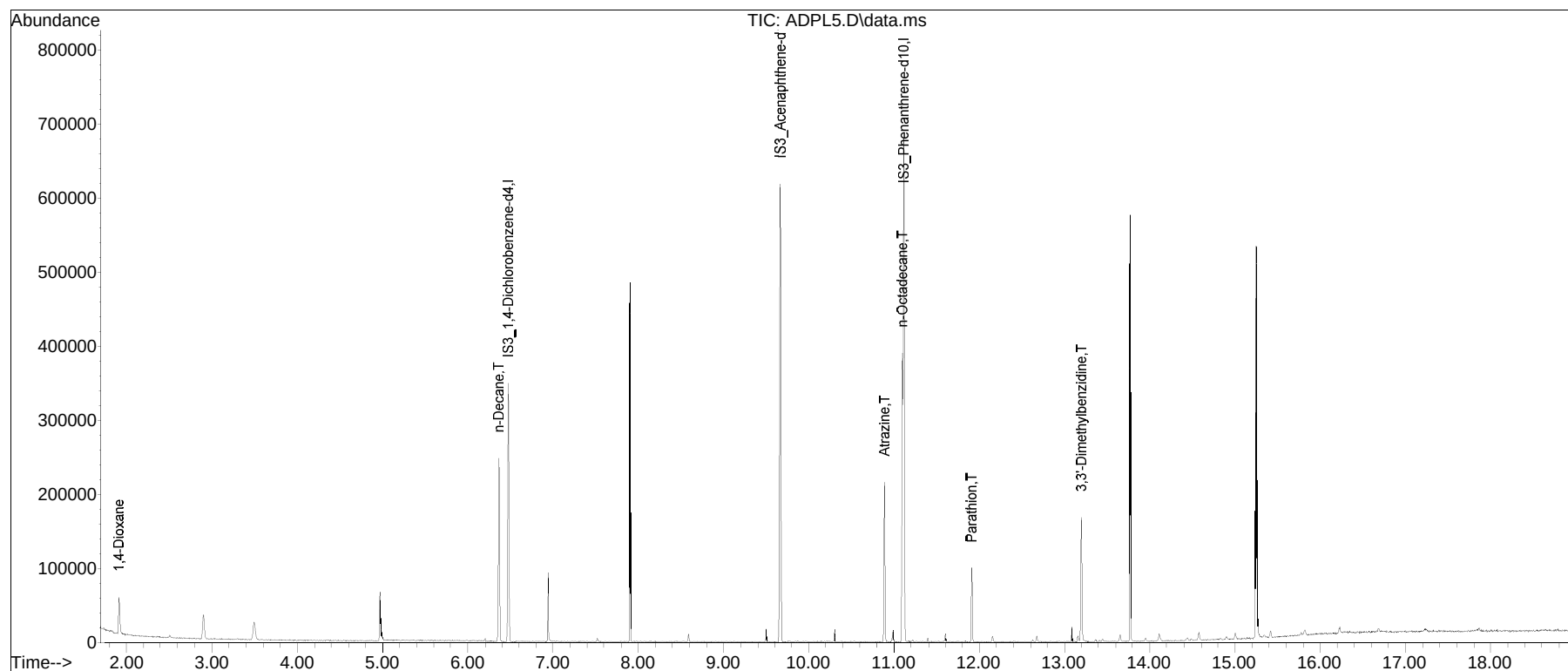
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL5.D
 Acq On : 27 Aug 2025 4:59 am
 Operator : SV107:ljg
 Sample : IL6,32,,ADPL2.5 Lot# 11907
 Misc : WG2108478
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 17:23:28 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:23:59 2025
 Response via : Initial Calibration

Sub List : ADPL5.D\8270\SV107\250826ical\AP9L6a.D•



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ADPL5.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 4:59 am Instrument : SV107
Sample : IL6,32,,ADPL2.5 Lot# 11907 Quant Date : 8/27/2025 5:24 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL4.D
 Acq On : 27 Aug 2025 5:24 am
 Operator : SV107:ljb
 Sample : IL7,32,,ADPL1 Lot# 11908
 Misc : WG2108478
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 17:22:59 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:23:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.480	152	54394	4.000	ug/ml	0.00
Standard Area 2 = 55561			Recovery	=	97.90%	
86) IS3_Acenaphthene-d10	9.669	164	119275	4.000	ug/ml	0.00
Standard Area 2 = 118952			Recovery	=	100.27%	
100) IS3_Phenanthrene-d10	11.111	188	234742	4.000	ug/ml	# 0.00
Standard Area 2 = 234302			Recovery	=	100.19%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.911	88	7427	0.983	ug/ml#	84
34) n-Decane	6.368	57	21312	0.987	ug/ml#	40
87) Atrazine	10.887	200	8592	0.850	ug/ml	98
101) n-Octadecane	11.095	57	24820	0.953	ug/ml#	1
102) Parathion	11.903	109	3259	0.675	ug/ml	99
103) 3,3'-Dimethylbenzidine	13.199	212	14414	0.431	ug/ml	97

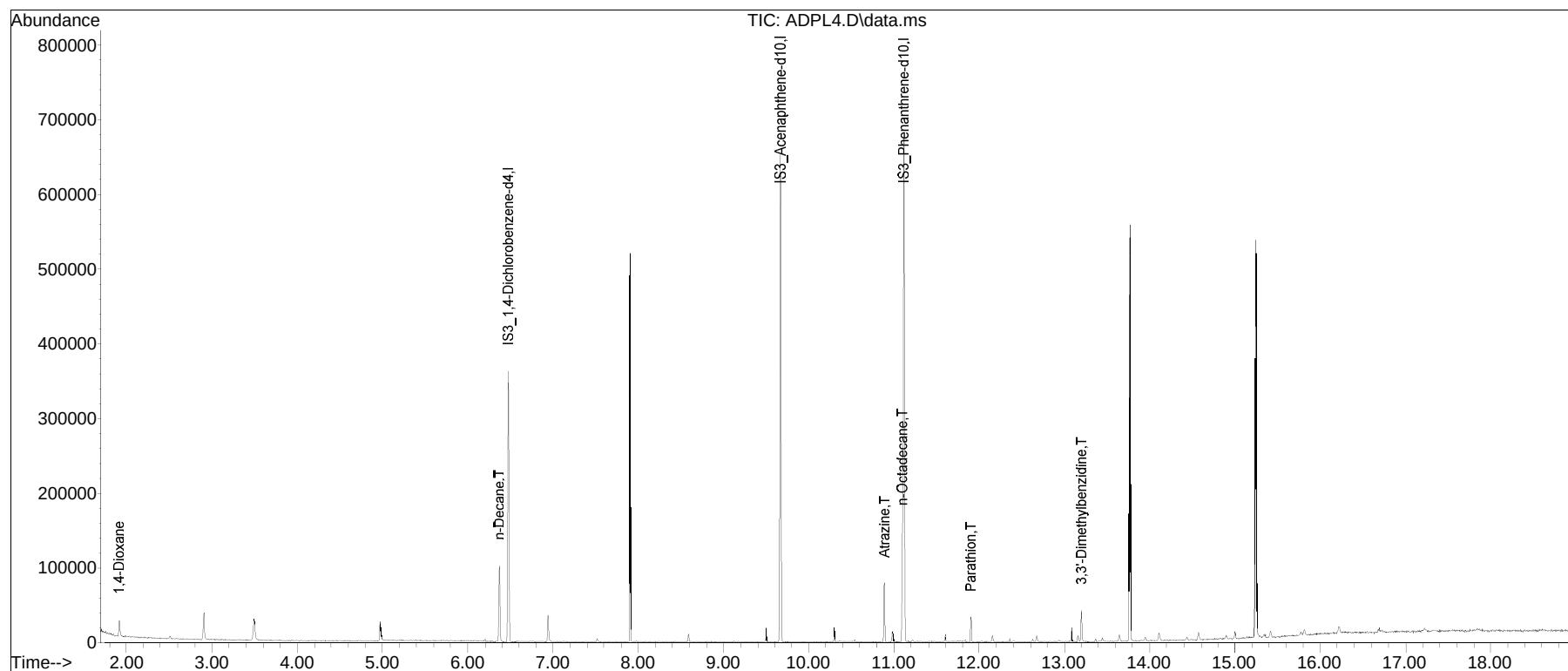
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL4.D
 Acq On : 27 Aug 2025 5:24 am
 Operator : SV107:ljg
 Sample : IL7,32,,ADPL1 Lot# 11908
 Misc : WG2108478
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 17:22:59 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:23:31 2025
 Response via : Initial Calibration

Sub List : ADPL4.D\8270\SV107\250826ical\AP9L6a.D•



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ADPL4.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 5:24 am Instrument : SV107
Sample : IL7,32,,ADPL1 Lot# 11908 Quant Date : 8/27/2025 5:23 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL3.D
 Acq On : 27 Aug 2025 5:49 am
 Operator : SV107:ljb
 Sample : IL8,32,,ADPL0.5 Lot# 11909
 Misc : WG2108478
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 27 17:22:31 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:23:04 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.480	152	55986	4.000	ug/ml	0.00
Standard Area 2 = 55561			Recovery =	100.76%		
86) IS3_Acenaphthene-d10	9.668	164	118016	4.000	ug/ml	0.00
Standard Area 2 = 118952			Recovery =	99.21%		
100) IS3_Phenanthrene-d10	11.114	188	229299	4.000	ug/ml	# 0.00
Standard Area 2 = 234302			Recovery =	97.86%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.911	88	3645	0.463	ug/ml#	87
34) n-Decane	6.368	57	10916	0.489	ug/ml#	38
87) Atrazine	10.884	200	4118	0.398	ug/ml	94
101) n-Octadecane	11.098	57	10738	0.409	ug/ml#	1
102) Parathion	11.906	109	1719	0.341	ug/ml	96
103) 3,3'-Dimethylbenzidine	13.202	212	3310	0.080	ug/ml	96

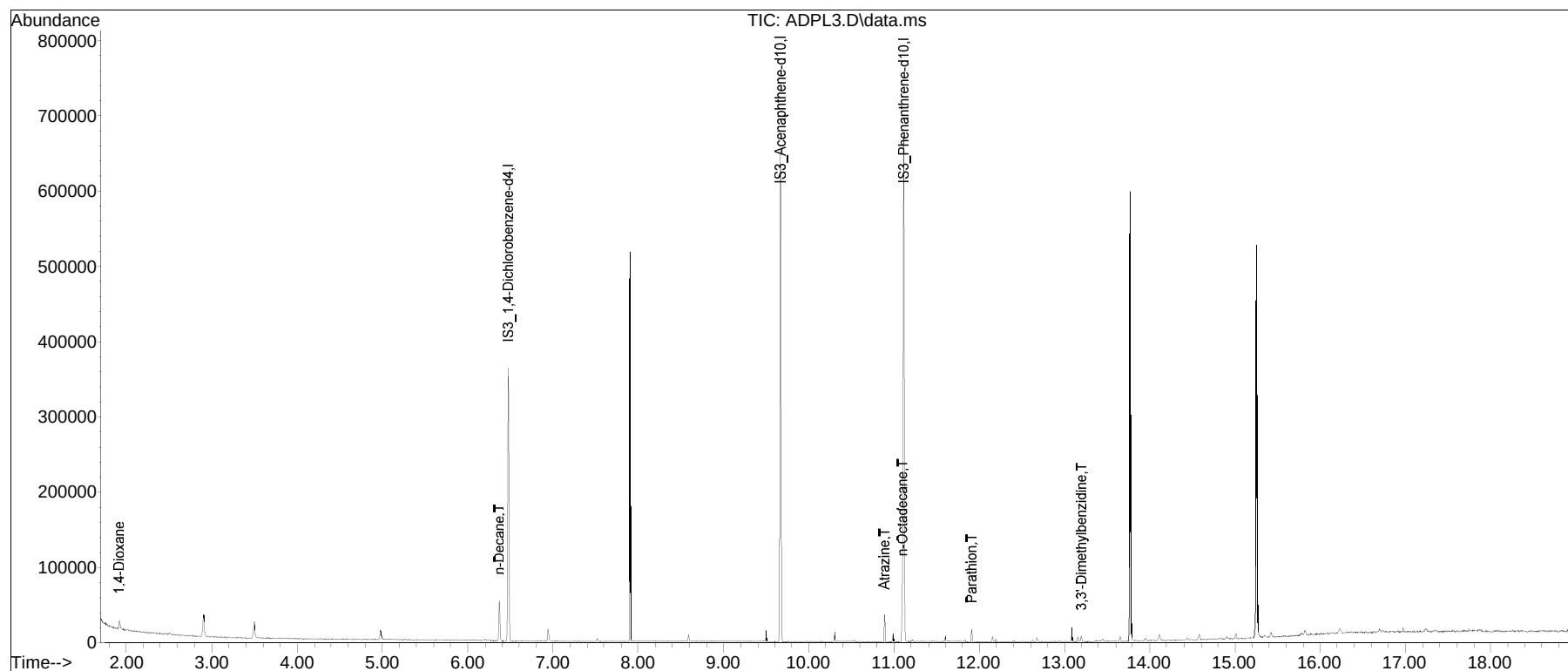
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL3.D
 Acq On : 27 Aug 2025 5:49 am
 Operator : SV107:ljj
 Sample : IL8,32,,ADPL0.5 Lot# 11909
 Misc : WG2108478
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 27 17:22:31 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:23:04 2025
 Response via : Initial Calibration

Sub List : ADPL3.D\8270\SV107\250826ical\AP9L6a.D•



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ADPL3.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 5:49 am Instrument : SV107
Sample : IL8,32,,ADPL0.5 Lot# 11909 Quant Date : 8/27/2025 5:23 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL2.D
 Acq On : 27 Aug 2025 6:15 am
 Operator : SV107:ljb
 Sample : IL9,32,,ADPL0.2 Lot# 11910
 Misc : WG2108478
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 27 17:22:03 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:22:35 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.479	152	52939	4.000	ug/ml	0.00
Standard Area 2 = 55561			Recovery =	95.28%		
86) IS3_Acenaphthene-d10	9.668	164	113233	4.000	ug/ml	0.00
Standard Area 2 = 118952			Recovery =	95.19%		
100) IS3_Phenanthrene-d10	11.114	188	225942	4.000	ug/ml	# 0.00
Standard Area 2 = 234302			Recovery =	96.43%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.917	88	1484	0.199	ug/ml#	84
34) n-Decane	6.368	57	4235	0.201	ug/ml#	35
87) Atrazine	10.887	200	1545	0.147	ug/ml	97
101) n-Octadecane	11.098	57	4616	0.174	ug/ml#	1
102) Parathion	11.906	109	655	0.119	ug/ml#	79
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.		

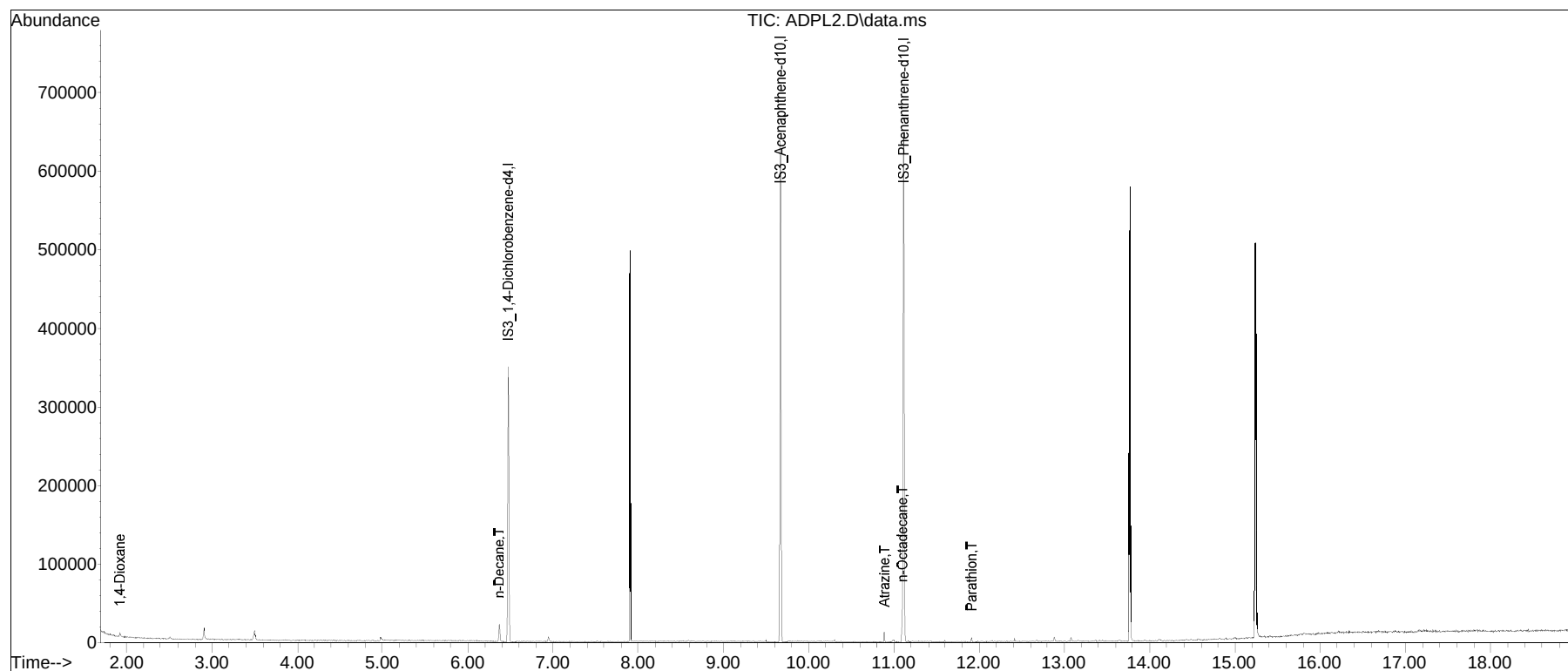
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL2.D
 Acq On : 27 Aug 2025 6:15 am
 Operator : SV107:ljj
 Sample : IL9,32,,ADPL0.2 Lot# 11910
 Misc : WG2108478
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 27 17:22:03 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:22:35 2025
 Response via : Initial Calibration

Sub List : ADPL2.D\8270\SV107\250826ical\AP9L6a.D•



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ADPL2.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 6:15 am Instrument : SV107
Sample : IL9,32,,ADPL0.2 Lot# 11910Quant Date : 8/27/2025 5:22 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL1.D
 Acq On : 27 Aug 2025 6:40 am
 Operator : SV107:ljl
 Sample : IL10,32,,ADPL0.1 Lot# 11911
 Misc : WG2108478
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 27 17:20:52 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:21:04 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.480	152	53491	4.000	ug/ml	0.00
Standard Area 2 = 55561			Recovery =	96.27%		
86) IS3_Acenaphthene-d10	9.669	164	115239	4.000	ug/ml	0.00
Standard Area 2 = 118952			Recovery =	96.88%		
100) IS3_Phenanthrene-d10	11.114	188	231425	4.000	ug/ml	# 0.00
Standard Area 2 = 234302			Recovery =	98.77%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.920	88	992M4	0.148	ug/ml	
34) n-Decane	6.368	57	2230	0.106	ug/ml#	40
87) Atrazine	10.887	200	769	0.066	ug/ml#	33
101) n-Octadecane	11.098	57	2436	0.087	ug/ml#	1
102) Parathion	0.000		0	N.D.		
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.		

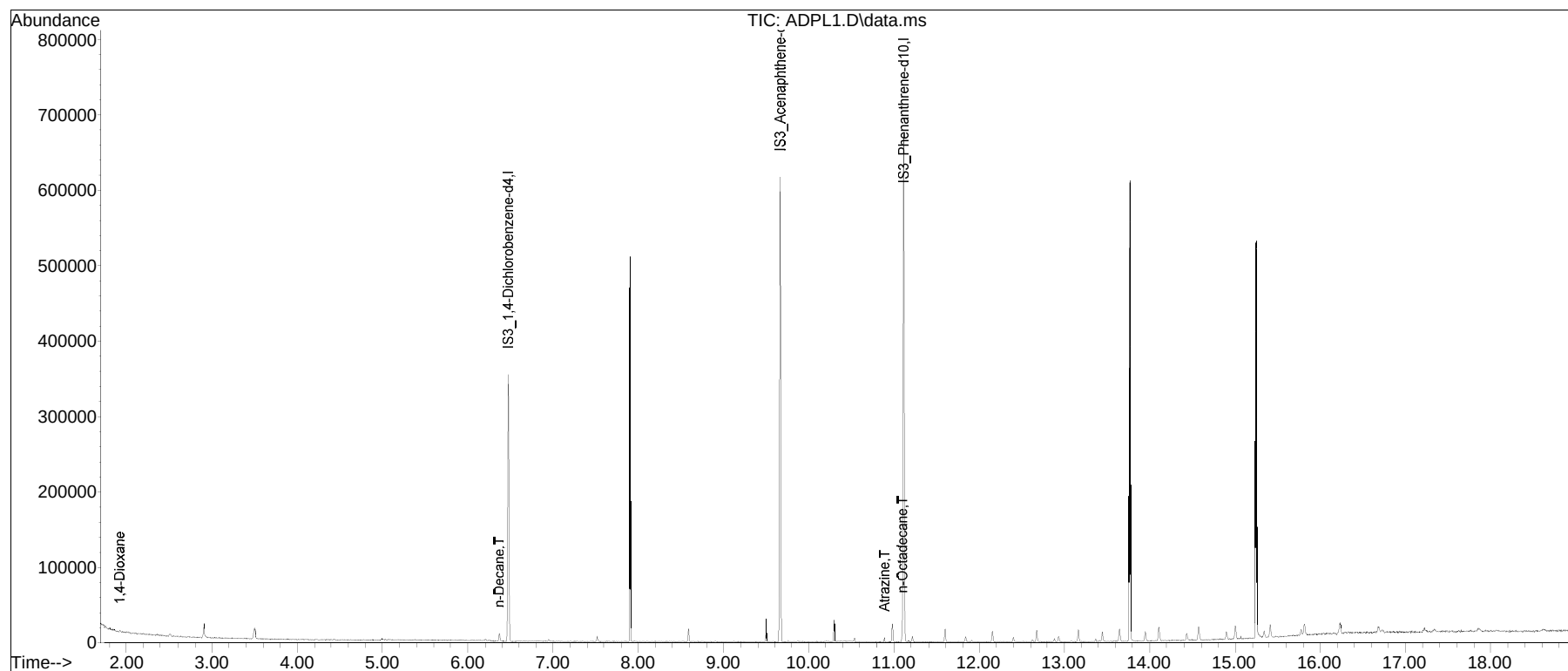
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPL1.D
 Acq On : 27 Aug 2025 6:40 am
 Operator : SV107:ljj
 Sample : IL10,32,,ADPL0.1 Lot# 11911
 Misc : WG2108478
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 27 17:20:52 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 17:21:04 2025
 Response via : Initial Calibration

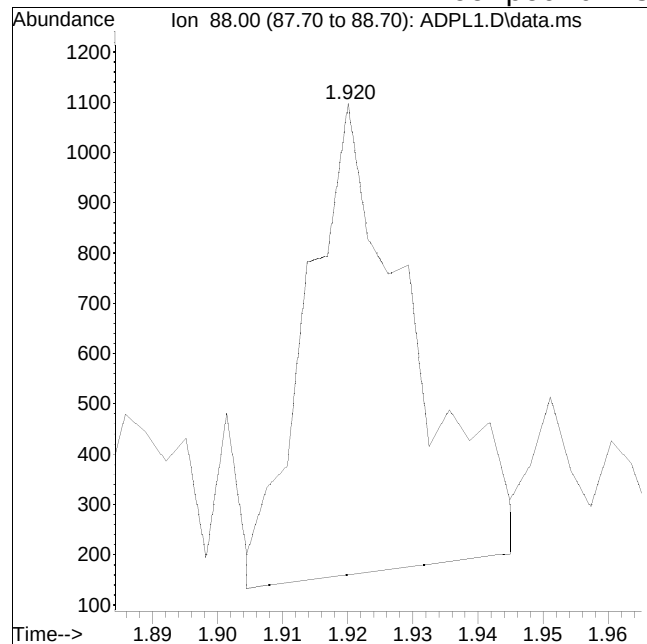
Sub List : ADPL1.D\8270\SV107\250826ical\AP9L6a.D•



Manual Integration Report

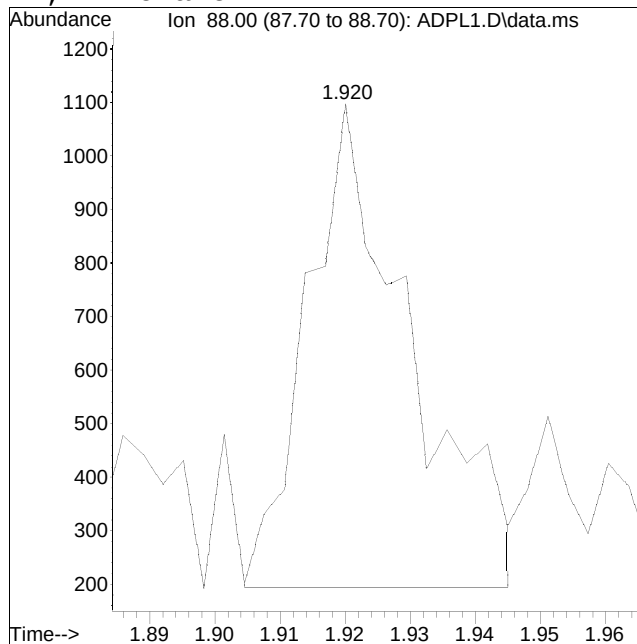
Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ADPL1.D Operator : SV107:ljb
Date Inj'd : 8/27/2025 6:40 am Instrument : SV107
Sample : IL10,32,,ADPL0.1 Lot# 11910 Quant Date : 8/27/2025 5:21 pm

Compound #33: 1,4-Dioxane



Original Peak Response = 1057

M4 = Poor automated baseline construction.



Manual Peak Response = 992 M4

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPICV.D
 Acq On : 27 Aug 2025 7:30 am
 Operator : SV107:ljb
 Sample : CQICV, 32,,ADPICV Lot# 11914
 Misc : WG2108478
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 29 06:20:58 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Aug 29 06:21:46 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
33	1,4-Dioxane	0.545	0.446	18.2	85	0.00
34 T	n-Decane	1.567	1.299	17.1	83	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	96	0.00
87 T	Atrazine	0.330	0.297	10.0	85	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	100	0.00
101 T	n-Octadecane	0.441	0.386	12.5	85	0.00
102 T	Parathion	* 5.000	3.554	28.9#	78	0.00
103 T	3,3'-Dimethylbenzidine	* 5.000	3.657	26.9#	77	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPICV.D
 Acq On : 27 Aug 2025 7:30 am
 Operator : SV107:ljl
 Sample : CQICV, 32,,ADPICV Lot# 11914
 Misc : WG2108478
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 29 06:20:58 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Aug 29 06:21:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.480	152	52889	4.000	ug/ml	0.00
Standard Area 2 = 55561			Recovery	=	95.19%	
86) IS3_Acenaphthene-d10	9.669	164	114234	4.000	ug/ml	0.00
Standard Area 2 = 118952			Recovery	=	96.03%	
100) IS3_Phenanthrene-d10	11.114	188	234251	4.000	ug/ml	# 0.00
Standard Area 2 = 234302			Recovery	=	99.98%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.905	88	29471	4.088	ug/ml#	86
34) n-Decane	6.368	57	85893	4.146	ug/ml#	40
87) Atrazine	10.887	200	42356	4.492	ug/ml	97
101) n-Octadecane	11.098	57	113065	4.380	ug/ml#	1
102) Parathion	11.906	109	15642	3.554	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.203	212	112644	3.657	ug/ml	98

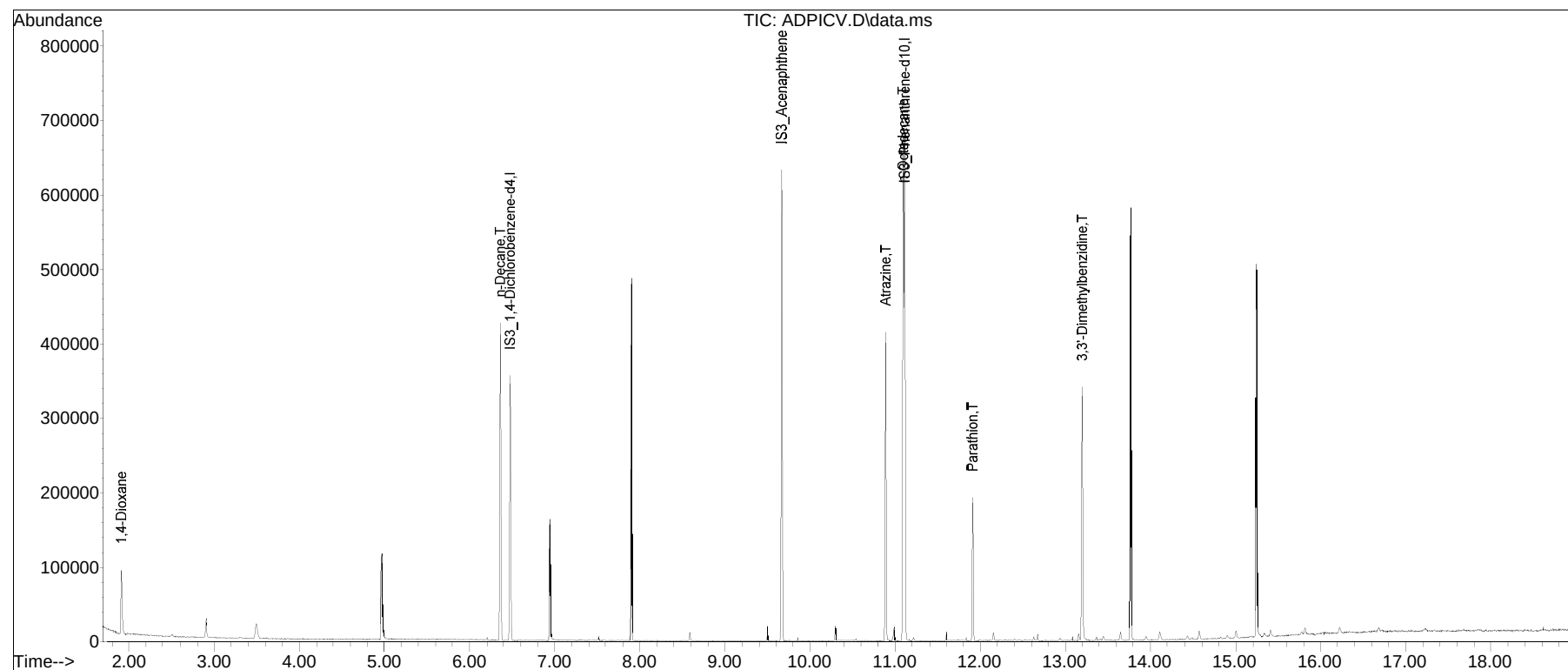
(#) = qualifier out of range (m) = manual integration (+) = signals summed

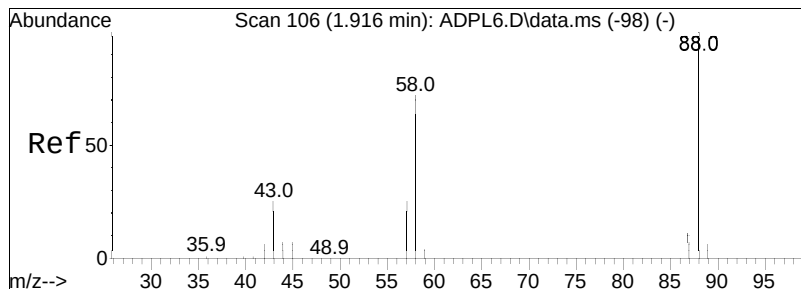
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : ADPICV.D
 Acq On : 27 Aug 2025 7:30 am
 Operator : SV107:ljj
 Sample : CQICV,32,,ADPICV Lot# 11914
 Misc : WG2108478
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 29 06:20:58 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Aug 29 06:21:46 2025
 Response via : Initial Calibration

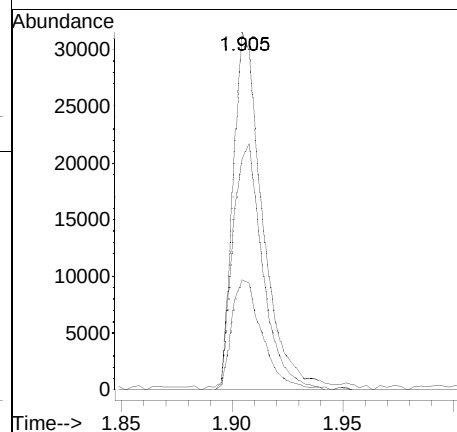
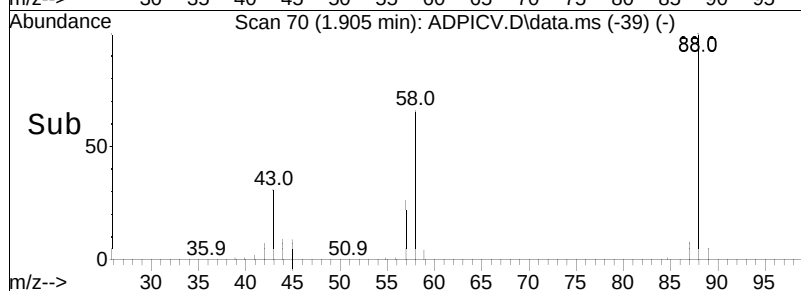
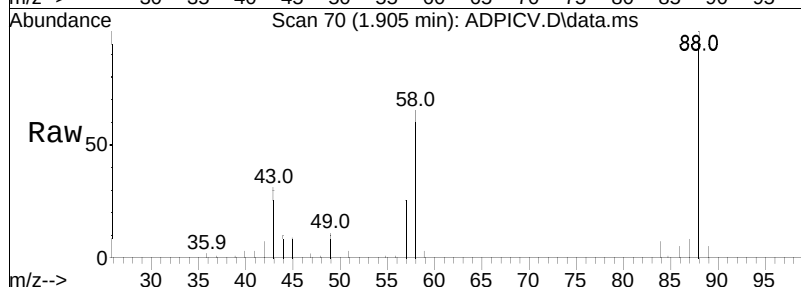
Sub List : ~~ADPICV,32,,SV107\250826ical\AP9L6a.D~~•

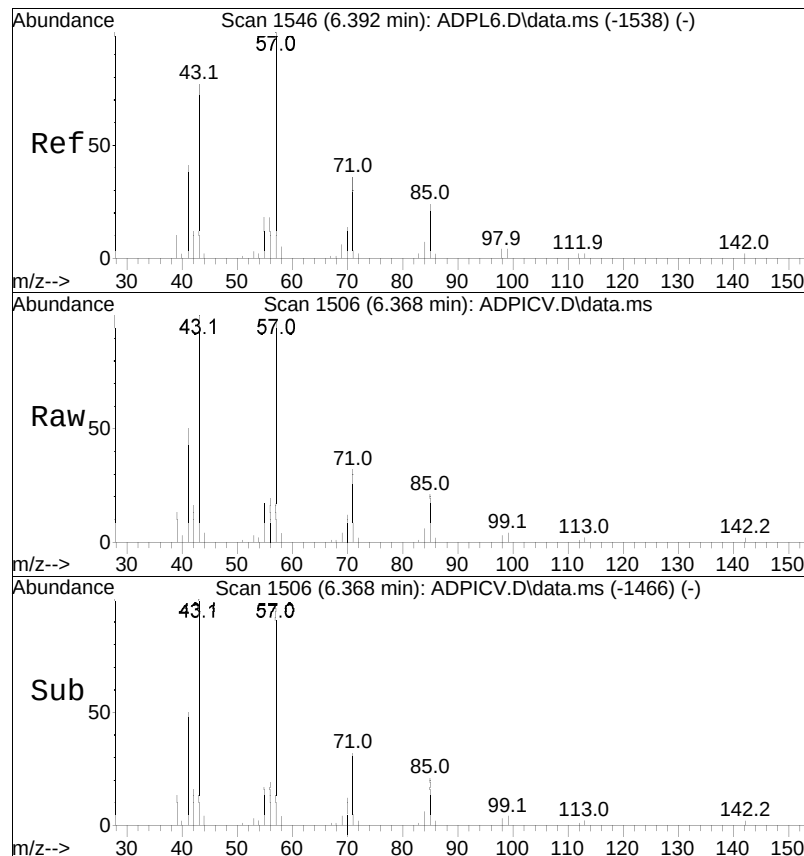




#33
 1,4-Dioxane
 Concen: 4.09 ug/ml
 RT: 1.905 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: ADPICV.D
 Acq: 27 Aug 2025 7:30 am

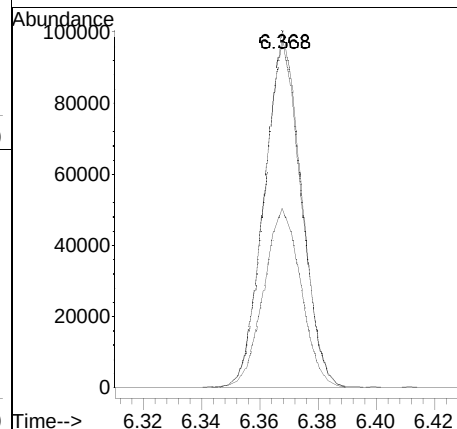
Tgt Ion: 88 Resp: 29471
 Ion Ratio Lower Upper
 88 100
 58 68.7 44.8 67.2#
 43 31.5 22.4 33.6

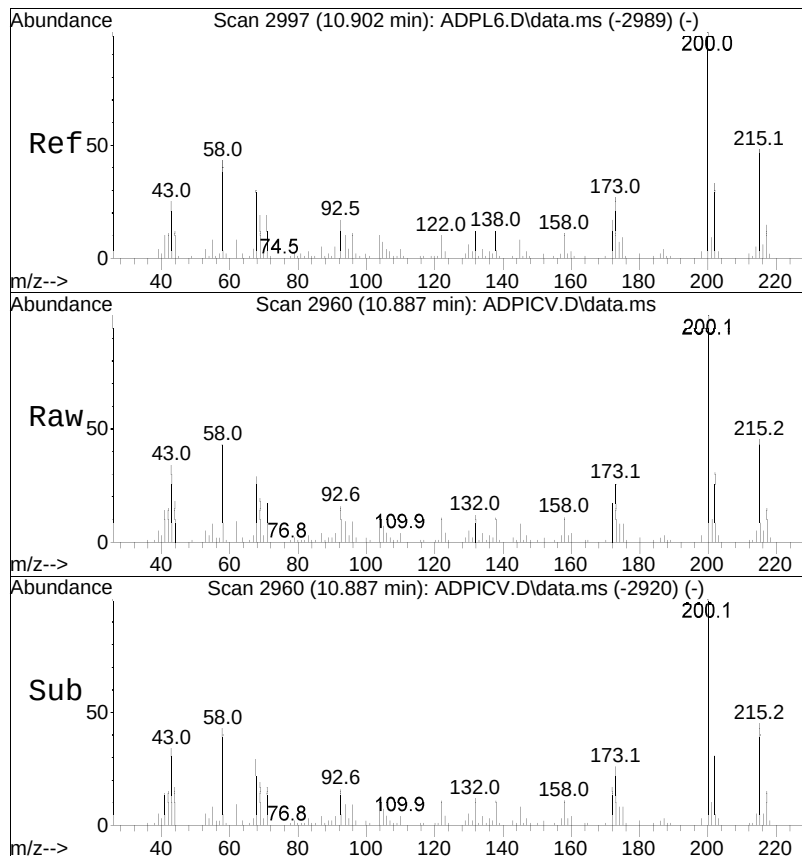




#34
 n-Decane
 Concen: 4.15 ug/ml
 RT: 6.368 min Scan# 1506
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 27 Aug 2025 7:30 am

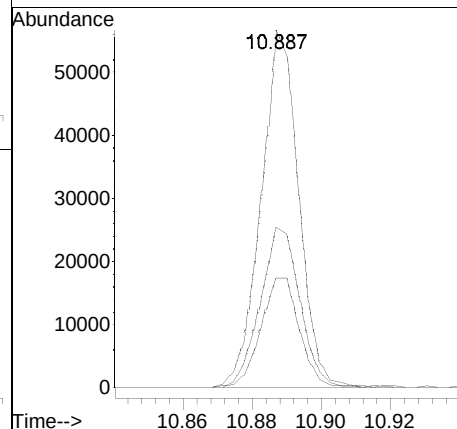
Tgt Ion:	57	Resp:	85893
Ion Ratio	Lower	Upper	
57	100		
43	101.6	0.2	0.2#
41	52.0	0.2	0.2#

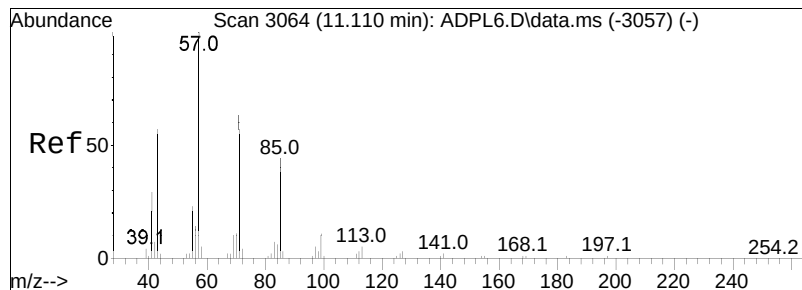




#87
 Atrazine
 Concen: 4.49 ug/ml
 RT: 10.887 min Scan# 2960
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 27 Aug 2025 7:30 am

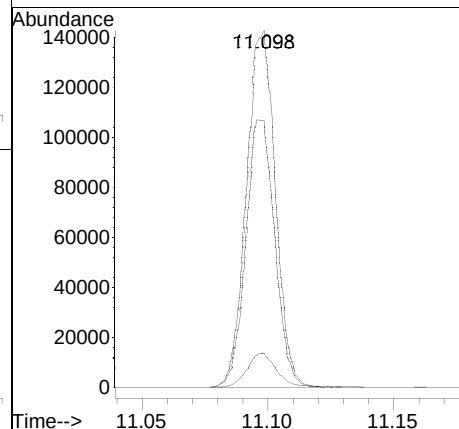
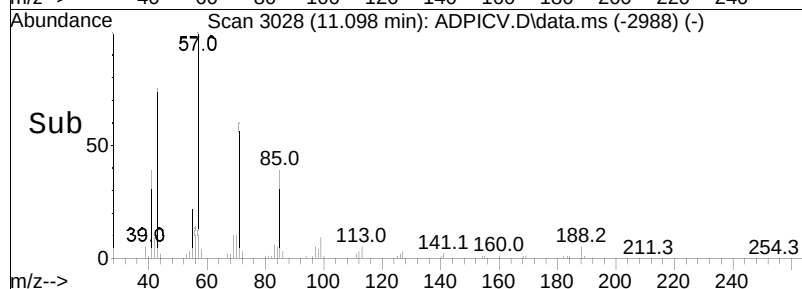
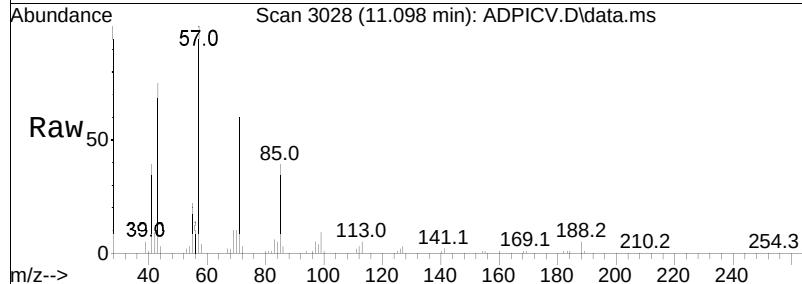
Tgt Ion:	200	Resp:	42356
Ion Ratio	Lower	Upper	
200	100		
202	31.8	25.8	38.6
215	47.5	40.2	60.4

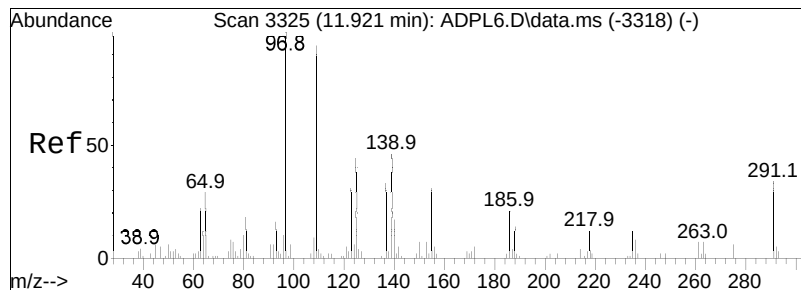




#101
n-Octadecane
Concen: 4.38 ug/ml
RT: 11.098 min Scan# 3028
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 27 Aug 2025 7:30 am

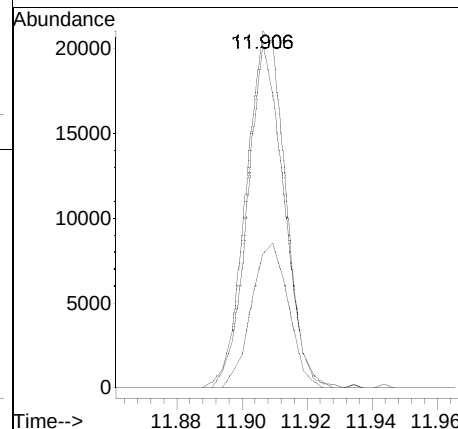
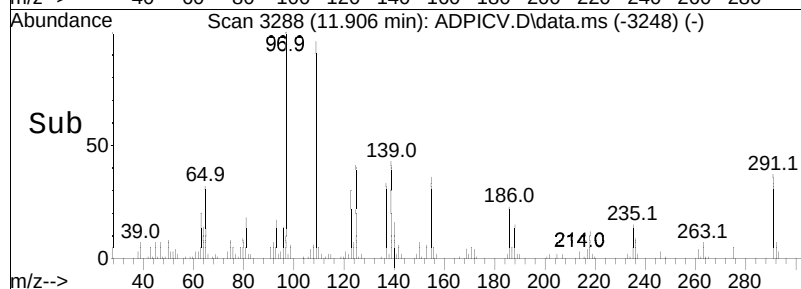
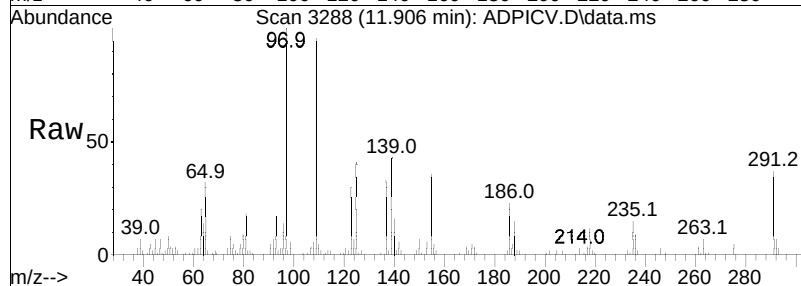
Tgt	Ion: 57	Resp:	113065
Ion	Ratio	Lower	Upper
57	100		
43	74.9	9.0	13.6#
70	9.9	0.2	0.2#

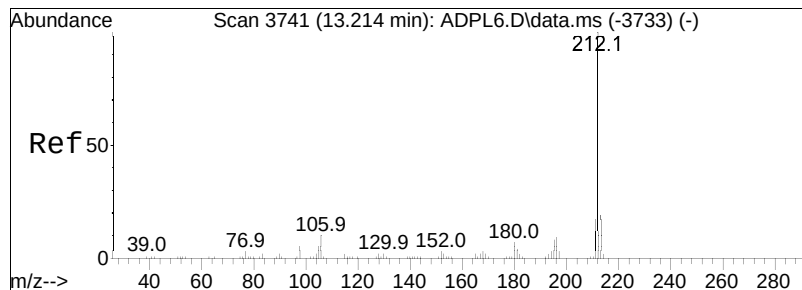




#102
 Parathion
 Concen: 3.55 ug/ml
 RT: 11.906 min Scan# 3288
 Delta R.T. 0.000 min
 Lab File: ADPICV.D
 Acq: 27 Aug 2025 7:30 am

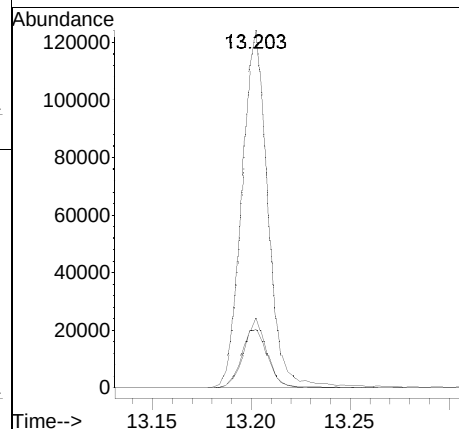
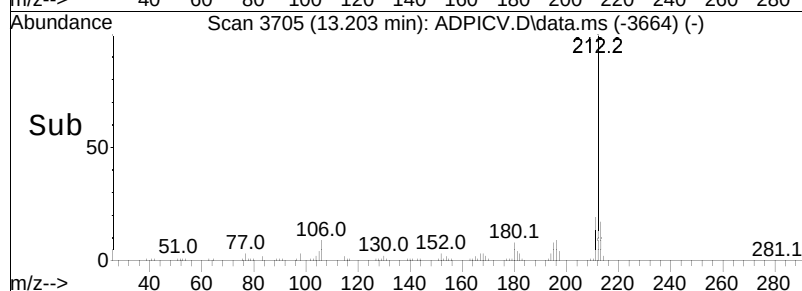
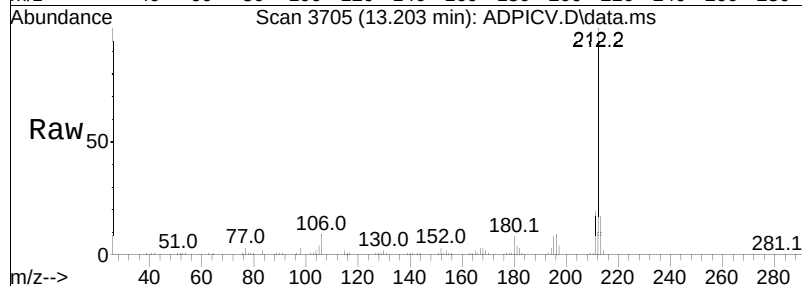
Tgt Ion	Ratio	Lower	Upper
109	100		
97	111.8	87.4	131.2
291	43.0	34.2	51.2





#103
 3,3'-Dimethylbenzidine
 Concen: 3.66 ug/ml
 RT: 13.203 min Scan# 3705
 Delta R.T. 0.004 min
 Lab File: ADPICV.D
 Acq: 27 Aug 2025 7:30 am

Tgt Ion:	212	Resp:	112644
Ion Ratio	Lower	Upper	
212	100		
211	17.7	12.9	19.3
213	16.1	13.2	19.8



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : ADPICV.D Operator : SV107:ljb
Date Inj'd : 8/27/2025 7:30 am Instrument : SV107
Sample : CQICV,32,,ADPICV Lot# 11910 Quant Date : 8/29/2025 6:21 am

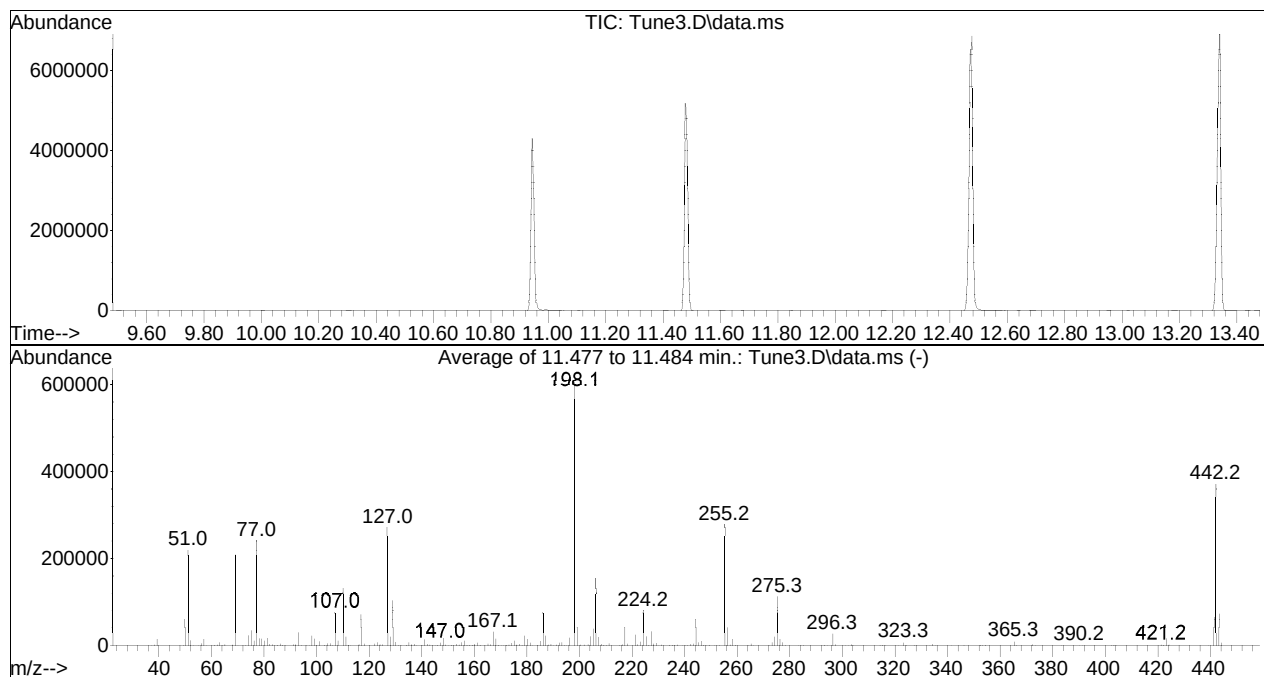
There are no manual integrations or false positives in this file.

DFTPP

Data Path : I:\8270\SV107\250826ical\
Data File : Tune3.D
Acq On : 27 Aug 2025 12:52 pm
Operator : SV107:ljg
Sample : Tune lot #11857
Misc : WG2108478
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV107\250826ical\DftppSV107.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Mar 05 13:38:17 2025

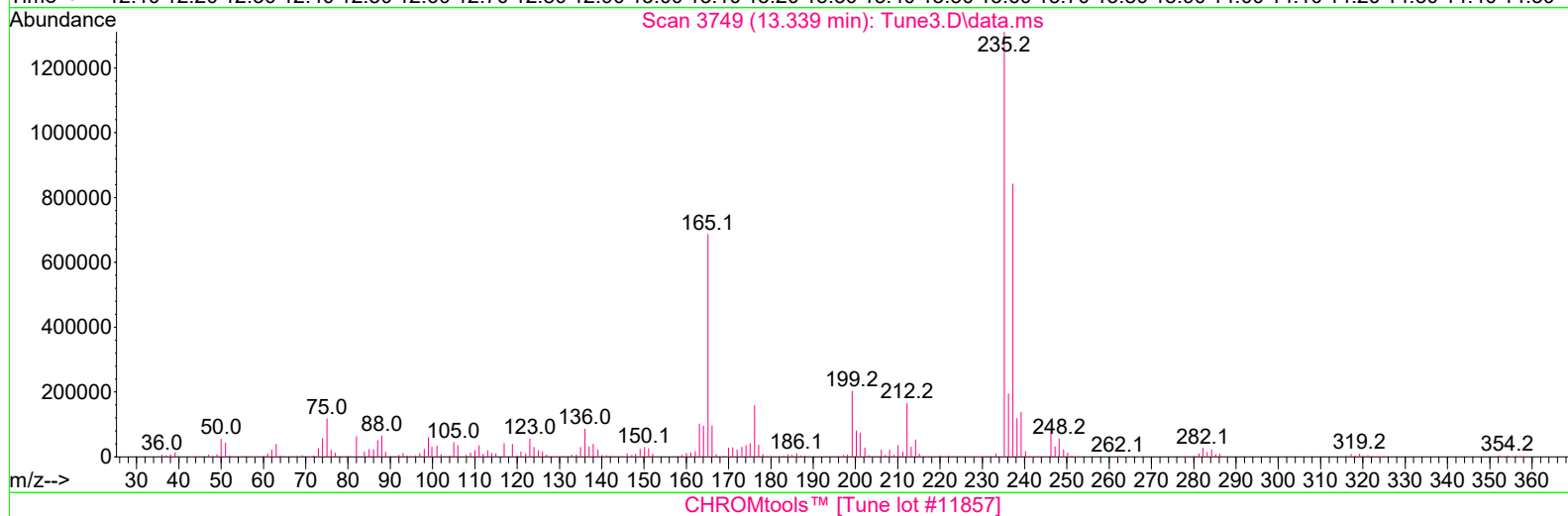
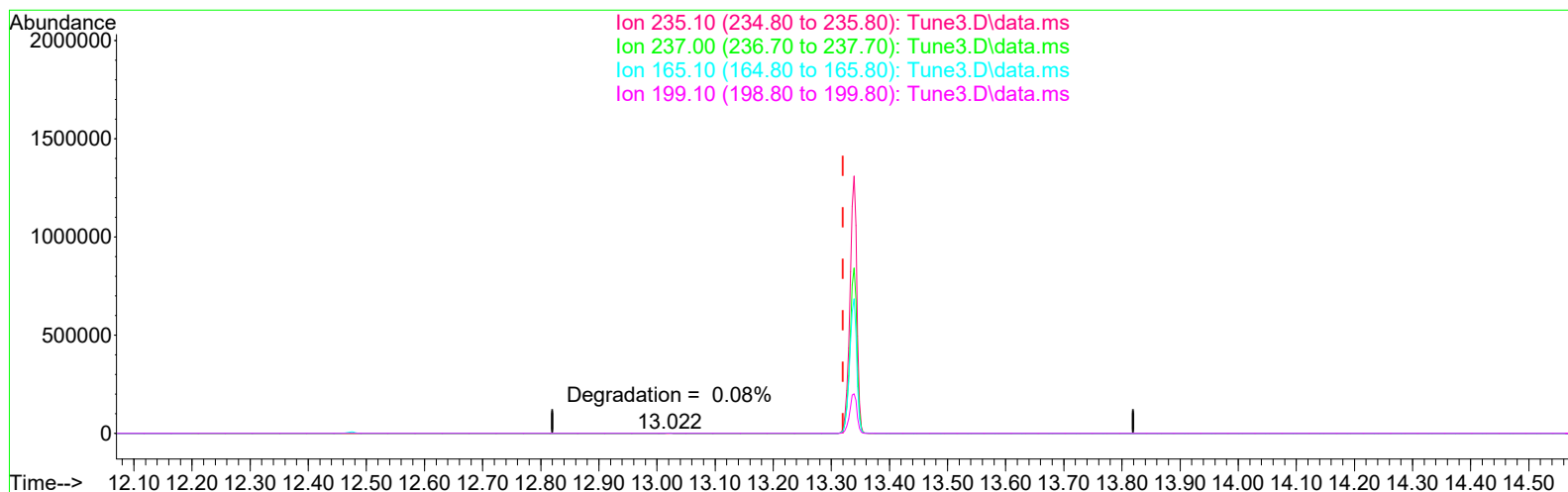


Spectrum Information: Average of 11.477 to 11.484 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.1	219029	PASS
68	69	0.00	2	1.7	3469	PASS
70	69	0.00	2	0.5	1097	PASS
127	198	40	60	44.5	270336	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	607040	PASS
199	198	5	9	6.7	40437	PASS
275	198	10	30	18.3	110824	PASS
365	198	1	100	1.6	9579	PASS
441	443	0.01	100	89.8	65171	PASS
442	198	40	100	61.1	371115	PASS
443	442	17	23	19.6	72613	PASS

Data Path : I:\8270\SV107\250826ical\
Data File : Tune3.D
Acq On : 27 Aug 2025 12:52 pm
Operator : SV107:ljg
Sample : Tune lot #11857
Misc : WG2108478
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 13:32:54 2025
Quant Method : I:\8270\SV107\250826ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 13:38:17 2025
Response via : Initial Calibration



(6) DDT (T)

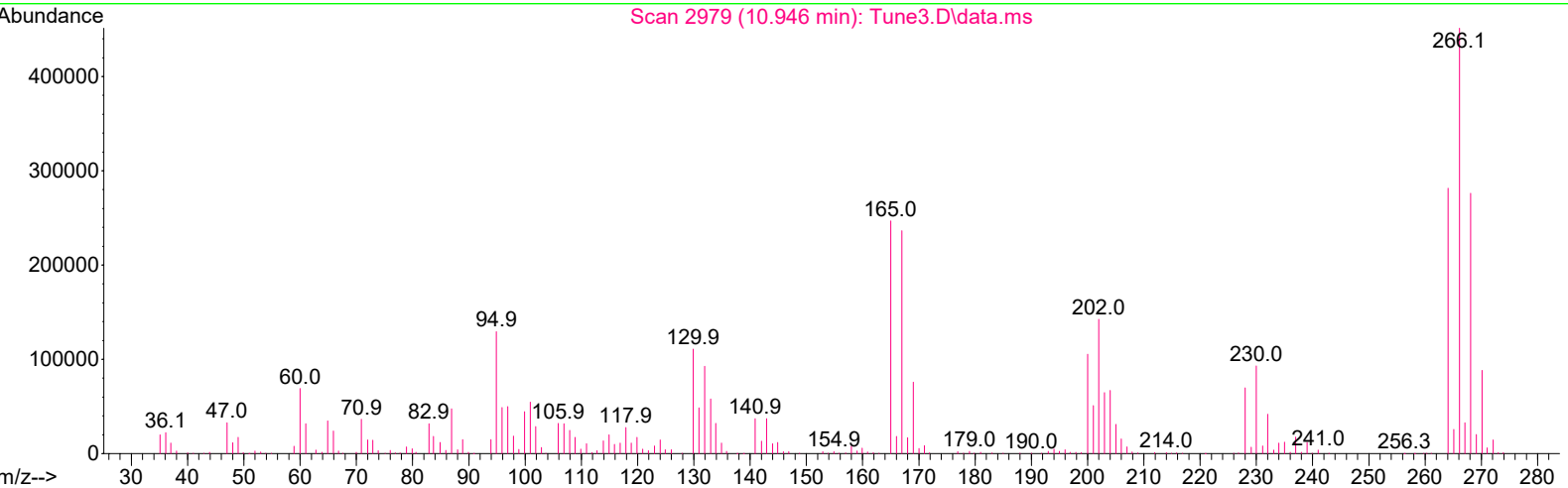
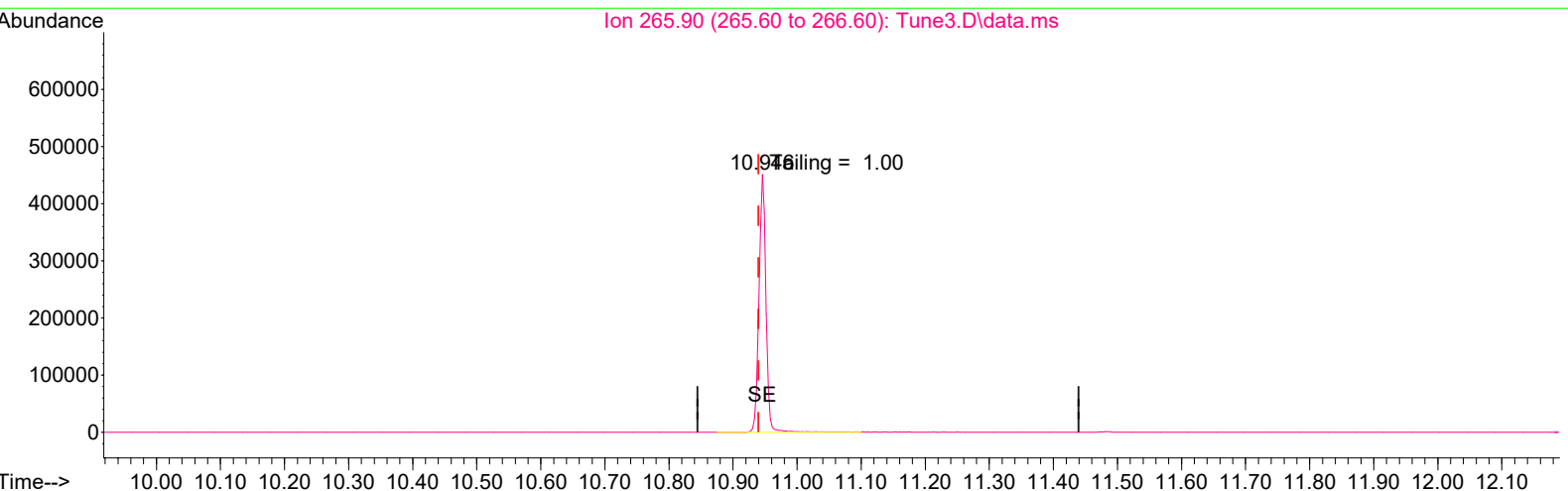
13.339min (+ 0.019) 178.17

response 1086089

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	64.60
165.10	55.40	52.87
199.10	16.20	16.20

Data Path : I:\8270\SV107\250826ical\
 Data File : Tune3.D
 Acq On : 27 Aug 2025 12:52 pm
 Operator : SV107:ljg
 Sample : Tune lot #11857
 Misc : WG2108478
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 13:32:54 2025
 Quant Method : I:\8270\SV107\250826ical\DftppSV107.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Mar 05 13:38:17 2025
 Response via : Initial Calibration



CHROMtools™ [Tune lot #11857]

(1) Pentachlorophenol (T)

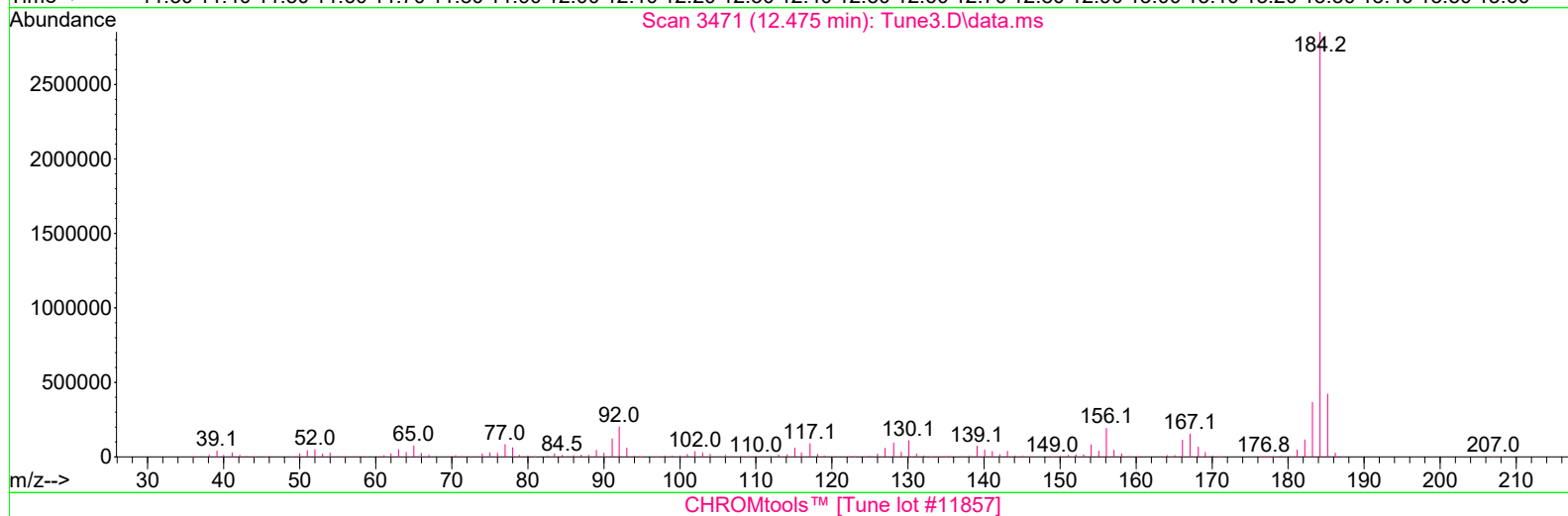
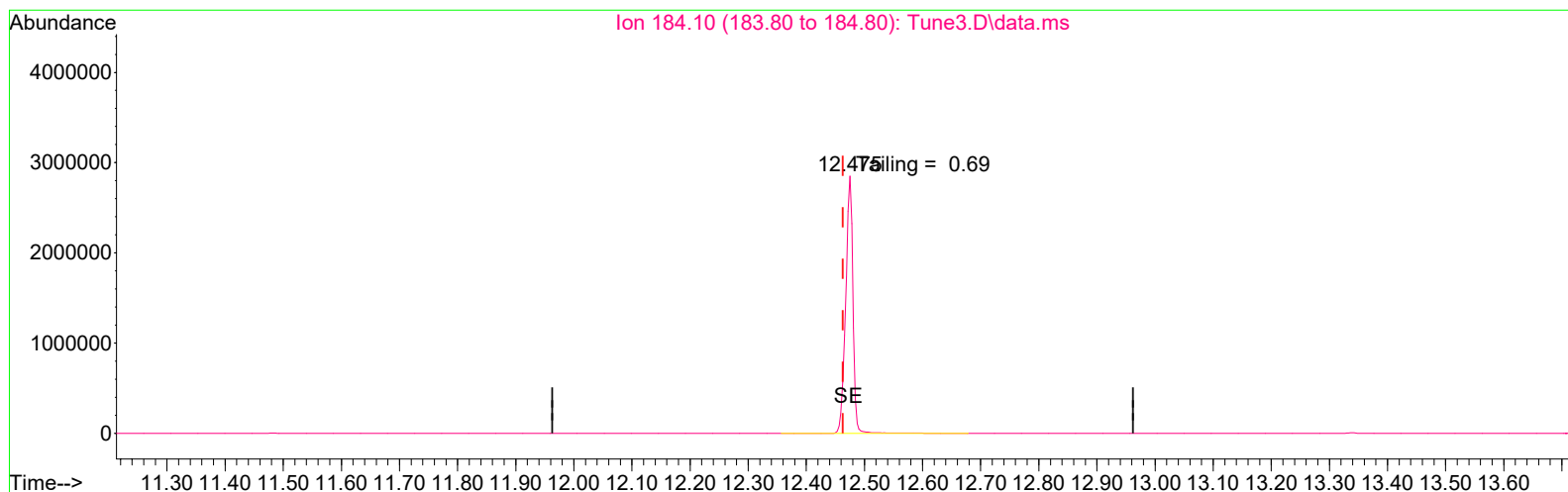
10.946min (+ 0.006) 162.17

response 340625

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\8270\SV107\250826ical\
Data File : Tune3.D
Acq On : 27 Aug 2025 12:52 pm
Operator : SV107:ljg
Sample : Tune lot #11857
Misc : WG2108478
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 13:32:54 2025
Quant Method : I:\8270\SV107\250826ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 13:38:17 2025
Response via : Initial Calibration



CHROMtools™ [Tune lot #11857]

(3) Benzidine (T)

12.475min (+ 0.012) 242.65

response 2470214

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L9a.D
 Acq On : 27 Aug 2025 1:17 pm
 Operator : SV107:ljl
 Sample : IL2,32,,AP9L50 Lot# 11923
 Misc : WG2108478
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 27 16:36:55 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:37:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.479	152	52659	4.000	ug/ml	0.00
Standard Area 3 = 49428			Recovery =	106.54%		
55) IS2_Naphthalene-d8	7.903	136	191130	4.000	ug/ml	0.00
Standard Area 3 = 182686			Recovery =	104.62%		
83) IS2_Acenaphthene-d10	9.668	164	108702	4.000	ug/ml	0.00
Standard Area 3 = 105346			Recovery =	103.19%		
98) IS2_Phenanthrene-d10	11.117	188	206280	4.000	ug/ml	# 0.00
Standard Area 3 = 200291			Recovery =	102.99%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	5.914	105	410994	43.341	ug/ml	91
29) Acetophenone	6.980	105	1246045	44.321	ug/ml#	81
30) m-Toluidine	7.079	106	871933	51.828	ug/ml	94
31) 2-Chloroaniline	7.480	127	1078940	44.576	ug/ml#	92
56) a-Terpineol	7.984	59	699950	49.034	ug/ml#	79
57) 3-Chloroaniline	7.993	65	302721	43.984	ug/ml	99
58) 2,6-Dichlorophenol	8.018	162	778677	48.779	ug/ml#	84
59) 1-chloro-2-nitrobenzene	8.288	111	340661	50.671	ug/ml#	1
60) Caprolactam	8.360	55	360408	54.052	ug/ml#	68
61) 1,2,4,5-Tetrachloroben...	8.817	216	996779	43.465	ug/ml	98
62) Biphenyl	9.124	154	2311761	43.682	ug/ml	98
84) Dichloran	10.812	206	236755	62.924	ug/ml#	67
85) Pentachloronitrobenzene	10.955	237	223867	52.148	ug/ml#	83
99) Diphenamid	12.037	167	1314100	49.054	ug/ml#	79

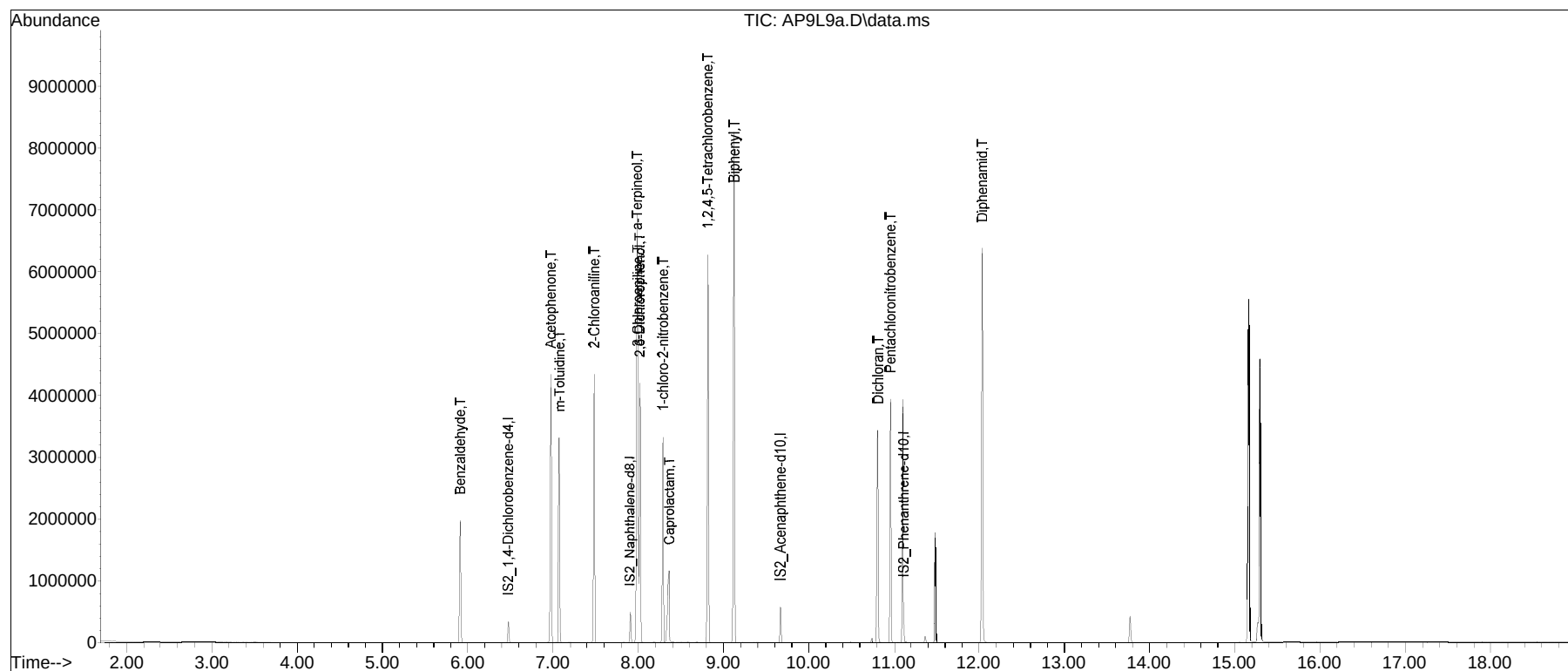
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L9a.D
 Acq On : 27 Aug 2025 1:17 pm
 Operator : SV107:ljj
 Sample : IL2,32,,AP9L50 Lot# 11923
 Misc : WG2108478
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 27 16:36:55 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:37:23 2025
 Response via : Initial Calibration

Sub List : ~~AP9L9a.D~~ 8270\AP9L9a.D •



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : AP9L9a.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 1:17 pm Instrument : SV107
Sample : IL2,32,,AP9L50 Lot# 11923 Quant Date : 8/27/2025 4:37 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L8a.D
 Acq On : 27 Aug 2025 1:42 pm
 Operator : SV107:ljl
 Sample : IL3,32,,AP9L25 Lot# 11924
 Misc : WG2108478
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 27 16:36:11 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:36:42 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.480	152	49974	4.000	ug/ml	0.00
Standard Area 3 = 49428			Recovery =	101.10%		
55) IS2_Naphthalene-d8	7.903	136	187743	4.000	ug/ml	0.00
Standard Area 3 = 182686			Recovery =	102.77%		
83) IS2_Acenaphthene-d10	9.668	164	105191	4.000	ug/ml	0.00
Standard Area 3 = 105346			Recovery =	99.85%		
98) IS2_Phenanthrene-d10	11.114	188	203962	4.000	ug/ml	# 0.00
Standard Area 3 = 200291			Recovery =	101.83%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	5.911	105	196893	22.041	ug/ml	89
29) Acetophenone	6.977	105	578716	21.710	ug/ml#	82
30) m-Toluidine	7.073	106	393881	24.700	ug/ml	94
31) 2-Chloroaniline	7.477	127	509777	22.253	ug/ml#	92
56) a-Terpineol	7.981	59	328574	23.305	ug/ml#	78
57) 3-Chloroaniline	7.990	65	147902	21.861	ug/ml	98
58) 2,6-Dichlorophenol	8.015	162	369962	23.436	ug/ml#	84
59) 1-chloro-2-nitrobenzene	8.282	111	156968	23.697	ug/ml#	1
60) Caprolactam	8.344	55	170597	25.891	ug/ml#	69
61) 1,2,4,5-Tetrachloroben...	8.814	216	468879	20.750	ug/ml	97
62) Biphenyl	9.121	154	1082932	20.726	ug/ml	98
84) Dichloran	10.809	206	106772	29.447	ug/ml#	71
85) Pentachloronitrobenzene	10.952	237	102482	24.695	ug/ml#	83
99) Diphenamid	12.031	167	630756	23.707	ug/ml#	80

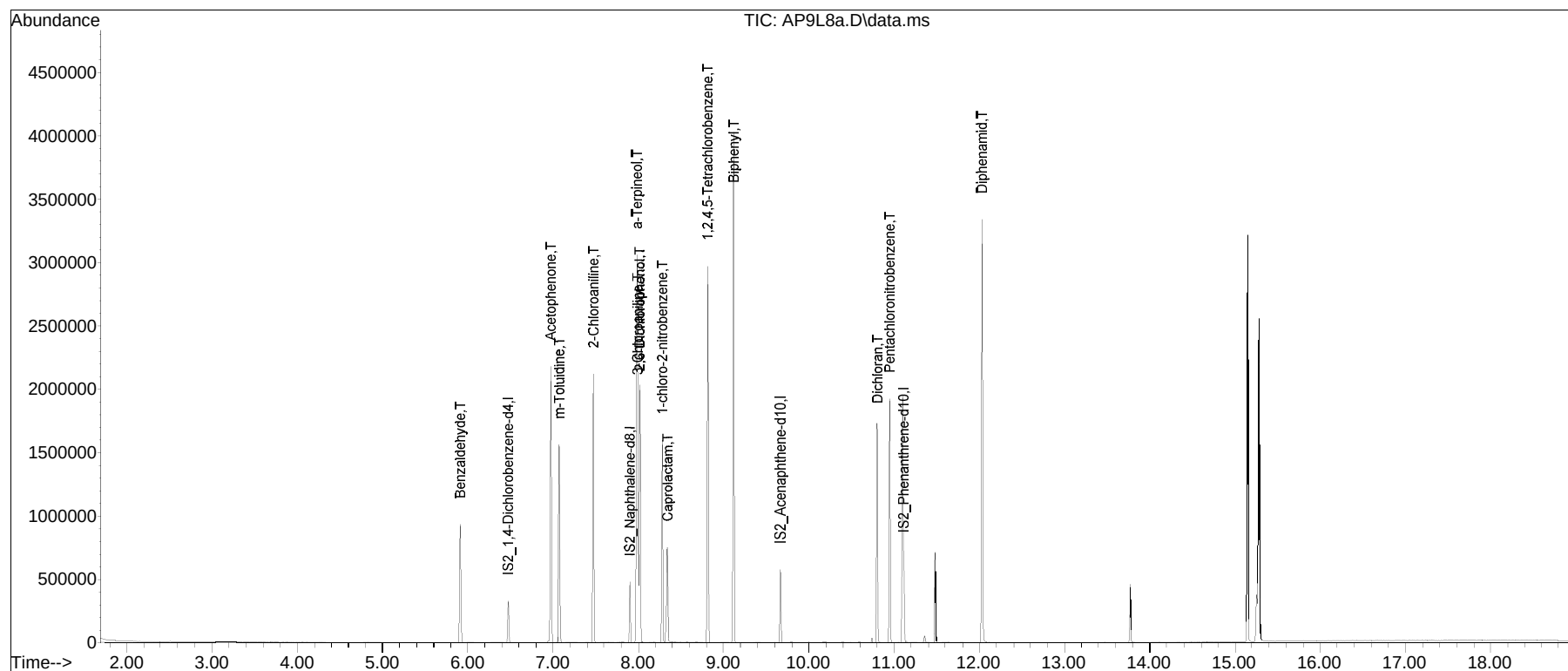
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L8a.D
 Acq On : 27 Aug 2025 1:42 pm
 Operator : SV107:ljj
 Sample : IL3,32,,AP9L25 Lot# 11924
 Misc : WG2108478
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 27 16:36:11 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:36:42 2025
 Response via : Initial Calibration

Sub List : ~~AP9L8a.D~~ AP9L6a.D



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : AP9L8a.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 1:42 pm Instrument : SV107
Sample : IL3,32,,AP9L25 Lot# 11924 Quant Date : 8/27/2025 4:36 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L7a.D
 Acq On : 27 Aug 2025 2:07 pm
 Operator : SV107:ljl
 Sample : IL4,32,,AP9L10 Lot# 11925
 Misc : WG2108478
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 27 16:35:42 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:36:11 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.480	152	49254	4.000	ug/ml	0.00
Standard Area 3 = 49428			Recovery =	99.65%		
55) IS2_Naphthalene-d8	7.903	136	185968	4.000	ug/ml	0.00
Standard Area 3 = 182686			Recovery =	101.80%		
83) IS2_Acenaphthene-d10	9.669	164	108950	4.000	ug/ml	0.00
Standard Area 3 = 105346			Recovery =	103.42%		
98) IS2_Phenanthrene-d10	11.114	188	208439	4.000	ug/ml	# 0.00
Standard Area 3 = 200291			Recovery =	104.07%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	5.911	105	76568	8.748	ug/ml	90
29) Acetophenone	6.977	105	230758	8.818	ug/ml#	81
30) m-Toluidine	7.073	106	149945	9.550	ug/ml	95
31) 2-Chloroaniline	7.477	127	198613	8.813	ug/ml#	93
56) a-Terpineol	7.978	59	126914	9.083	ug/ml#	79
57) 3-Chloroaniline	7.987	65	58498	8.758	ug/ml	96
58) 2,6-Dichlorophenol	8.012	162	138257	8.806	ug/ml#	86
59) 1-chloro-2-nitrobenzene	8.282	111	61602	9.418	ug/ml#	1
60) Caprolactam	8.332	55	64084	9.823	ug/ml#	71
61) 1,2,4,5-Tetrachloroben...	8.814	216	190751	8.535	ug/ml	96
62) Biphenyl	9.122	154	433599	8.386	ug/ml	98
84) Dichloran	10.806	206	40000	10.668	ug/ml#	72
85) Pentachloronitrobenzene	10.949	237	40826	9.519	ug/ml#	84
99) Diphenamid	12.028	167	258609	9.565	ug/ml#	80

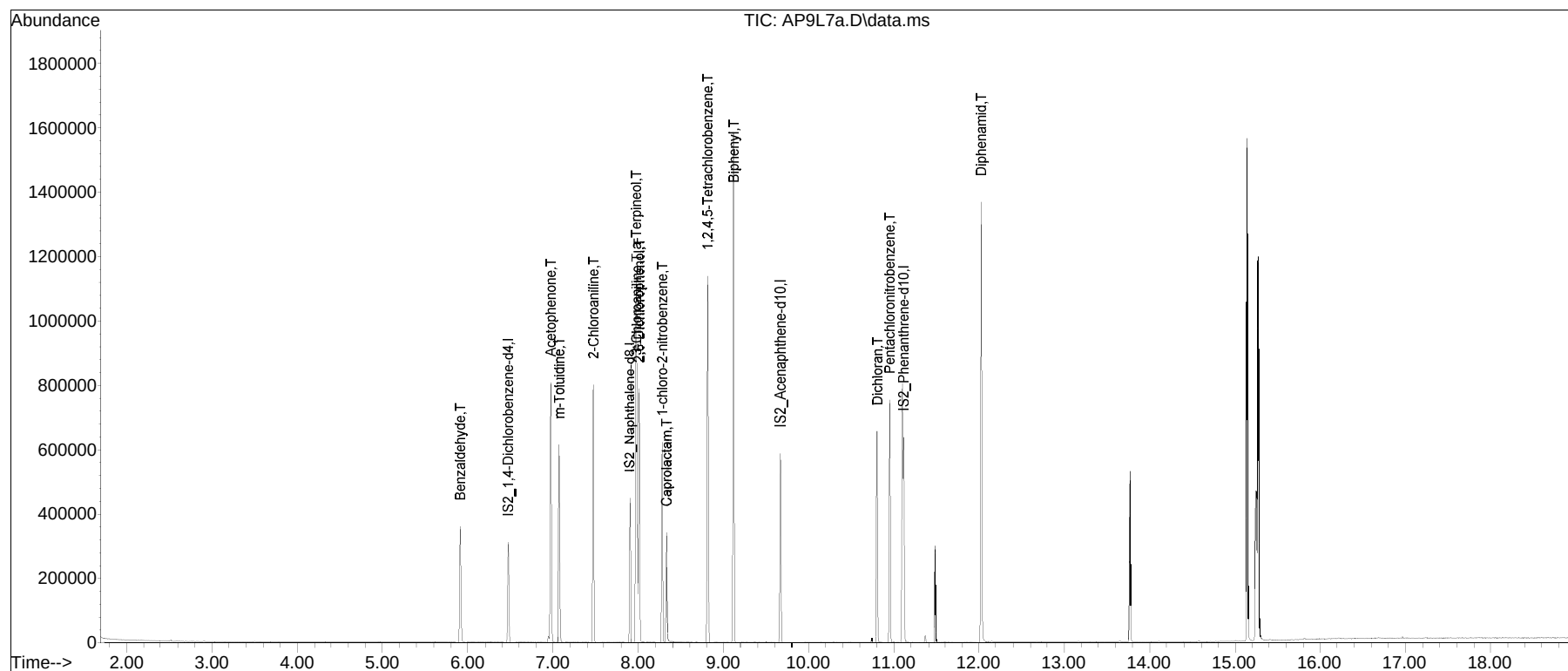
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L7a.D
 Acq On : 27 Aug 2025 2:07 pm
 Operator : SV107:ljj
 Sample : IL4,32,,AP9L10 Lot# 11925
 Misc : WG2108478
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 27 16:35:42 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:36:11 2025
 Response via : Initial Calibration

Sub List : ~~AP9L7a.D~~ I:\8270\SV107\250826ical\AP9L6a.D•



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : AP9L7a.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 2:07 pm Instrument : SV107
Sample : IL4,32,,AP9L10 Lot# 11925 Quant Date : 8/27/2025 4:36 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L6a.D
 Acq On : 27 Aug 2025 2:32 pm
 Operator : SV107:ljl
 Sample : IL5,32,,AP9L5 Lot# 11926
 Misc : WG2108478
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 27 16:35:08 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:35:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.480	152	49428	4.000	ug/ml	0.00
Standard Area 3 = 49428			Recovery =	100.00%		
55) IS2_Naphthalene-d8	7.903	136	182686	4.000	ug/ml	0.00
Standard Area 3 = 182686			Recovery =	100.00%		
83) IS2_Acenaphthene-d10	9.669	164	105346	4.000	ug/ml	0.00
Standard Area 3 = 105346			Recovery =	100.00%		
98) IS2_Phenanthrene-d10	11.114	188	200291	4.000	ug/ml	# 0.00
Standard Area 3 = 200291			Recovery =	100.00%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	5.911	105	37459	4.301	ug/ml	92
29) Acetophenone	6.974	105	111261	4.264	ug/ml#	81
30) m-Toluidine	7.073	106	69563	4.434	ug/ml	93
31) 2-Chloroaniline	7.477	127	97062	4.319	ug/ml#	92
56) a-Terpineol	7.975	59	58787	4.300	ug/ml#	79
57) 3-Chloroaniline	7.987	65	29167	4.511	ug/ml	90
58) 2,6-Dichlorophenol	8.009	162	64891	4.207	ug/ml#	85
59) 1-chloro-2-nitrobenzene	8.282	111	28385	4.432	ug/ml#	1
60) Caprolactam	8.326	55	27466	4.300	ug/ml#	68
61) 1,2,4,5-Tetrachloroben...	8.814	216	91738	4.197	ug/ml	96
62) Biphenyl	9.122	154	211313	4.191	ug/ml	98
84) Dichloran	10.806	206	16518	4.572	ug/ml#	73
85) Pentachloronitrobenzene	10.952	237	17993	4.376	ug/ml#	85
99) Diphenamid	12.028	167	114933	4.465	ug/ml#	81

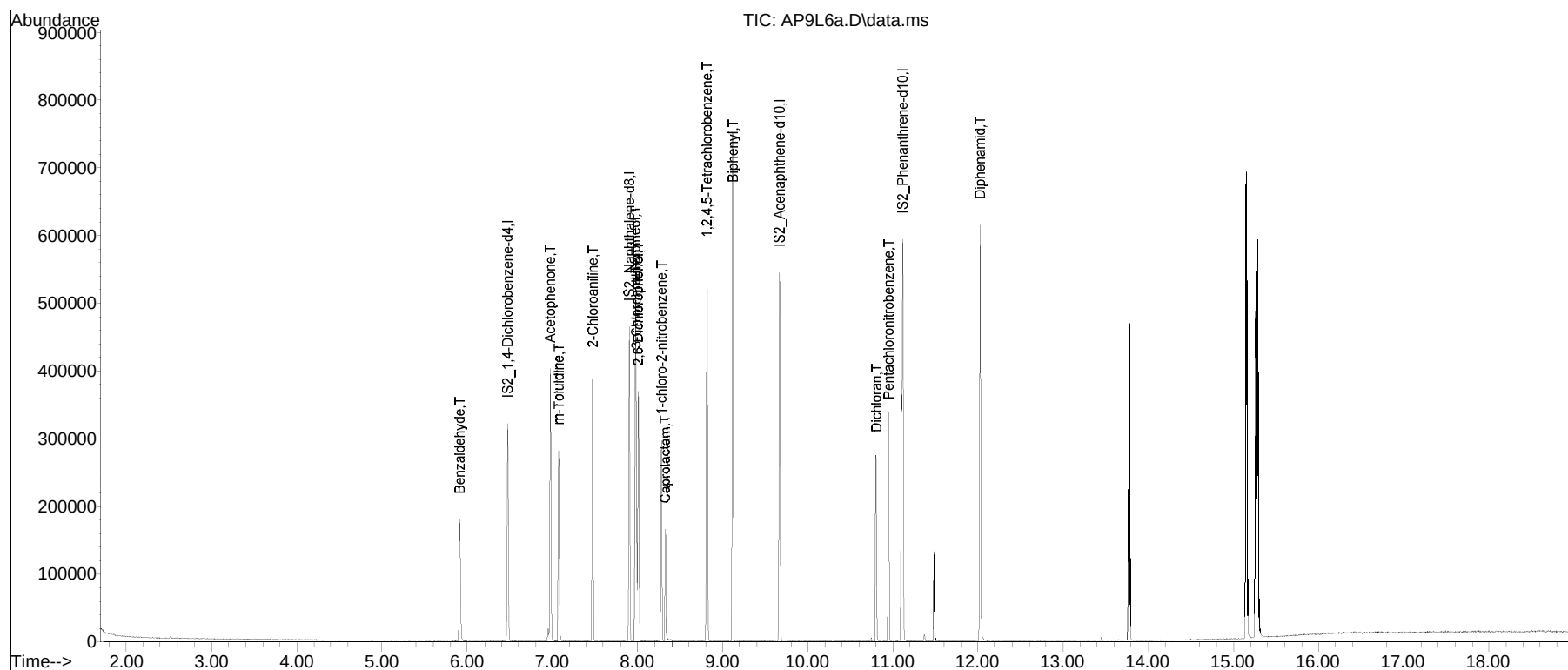
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L6a.D
 Acq On : 27 Aug 2025 2:32 pm
 Operator : SV107:ljj
 Sample : IL5,32,,AP9L5 Lot# 11926
 Misc : WG2108478
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 27 16:35:08 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:35:00 2025
 Response via : Initial Calibration

Sub List : ~~AP9L6a.D~~ I:\8270\SV107\250826ical\AP9L6a.D•



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : AP9L6a.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 2:32 pm Instrument : SV107
Sample : IL5,32,,AP9L5 Lot# 11926 Quant Date : 8/27/2025 4:35 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L5a.D
 Acq On : 27 Aug 2025 2:57 pm
 Operator : SV107:ljl
 Sample : IL6,32,,AP9L2.5 Lot# 11927
 Misc : WG2108478
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 27 16:39:22 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:39:37 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.480	152	49194	4.000	ug/ml	0.00
Standard Area 3 = 49428			Recovery =	99.53%		
55) IS2_Naphthalene-d8	7.903	136	187382	4.000	ug/ml	0.00
Standard Area 3 = 182686			Recovery =	102.57%		
83) IS2_Acenaphthene-d10	9.669	164	107032	4.000	ug/ml	0.00
Standard Area 3 = 105346			Recovery =	101.60%		
98) IS2_Phenanthrene-d10	11.111	188	215746	4.000	ug/ml	# 0.00
Standard Area 3 = 200291			Recovery =	107.72%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	5.911	105	19588	2.612	ug/ml	91
29) Acetophenone	6.977	105	55308	2.509	ug/ml#	82
30) m-Toluidine	7.073	106	31994	2.470	ug/ml	96
31) 2-Chloroaniline	7.477	127	49070	2.570	ug/ml#	92
56) a-Terpineol	7.975	59	29567	2.497	ug/ml#	76
57) 3-Chloroaniline	7.987	65	14707	2.593	ug/ml	94
58) 2,6-Dichlorophenol	8.009	162	31840	2.489	ug/ml#	85
59) 1-chloro-2-nitrobenzene	8.279	111	14054	2.433	ug/ml#	1
60) Caprolactam	8.323	55	12512	2.407	ug/ml#	72
61) 1,2,4,5-Tetrachloroben...	8.814	216	48845	2.537	ug/ml	96
62) Biphenyl	9.118	154	110753	2.539	ug/ml	98
84) Dichloran	10.803	206	7601	2.322	ug/ml#	79
85) Pentachloronitrobenzene	10.949	237	9003	2.570	ug/ml#	83
99) Diphenamid	12.028	167	56350	2.493	ug/ml#	79

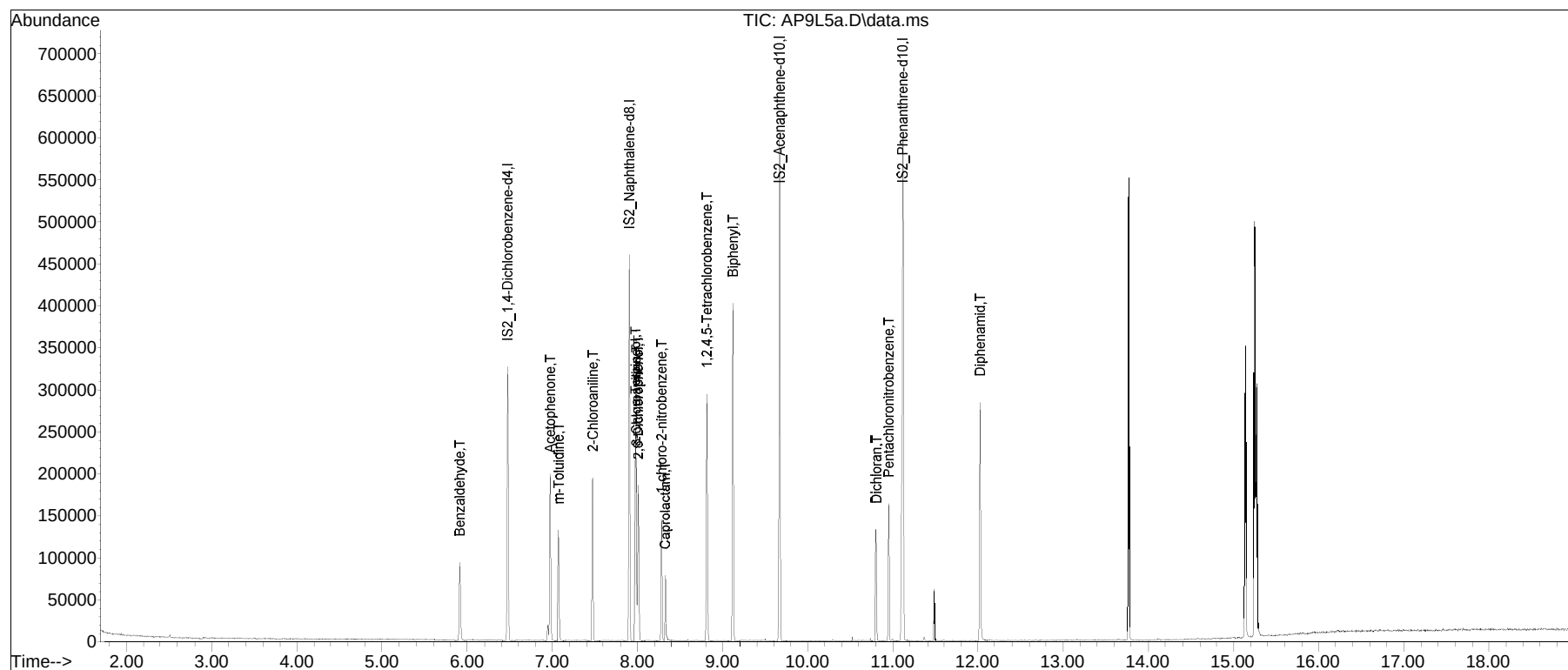
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L5a.D
 Acq On : 27 Aug 2025 2:57 pm
 Operator : SV107:ljj
 Sample : IL6,32,,AP9L2.5 Lot# 11927
 Misc : WG2108478
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 27 16:39:22 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:39:37 2025
 Response via : Initial Calibration

Sub List : ~~AP9L5a.D~~ AP9L6a.D



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : AP9L5a.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 2:57 pm Instrument : SV107
Sample : IL6,32,,AP9L2.5 Lot# 11927 Quant Date : 8/27/2025 4:39 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L4a.D
 Acq On : 27 Aug 2025 3:22 pm
 Operator : SV107:ljb
 Sample : IL7,32,,AP9L1 Lot# 11928
 Misc : WG2108478
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 27 16:38:36 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:38:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.480	152	48087	4.000	ug/ml	0.00
Standard Area 3 = 49428			Recovery =	97.29%		
55) IS2_Naphthalene-d8	7.903	136	179409	4.000	ug/ml	0.00
Standard Area 3 = 182686			Recovery =	98.21%		
83) IS2_Acenaphthene-d10	9.668	164	104567	4.000	ug/ml	0.00
Standard Area 3 = 105346			Recovery =	99.26%		
98) IS2_Phenanthrene-d10	11.114	188	210738	4.000	ug/ml	# 0.00
Standard Area 3 = 200291			Recovery =	105.22%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	5.914	105	7417	0.907	ug/ml	90
29) Acetophenone	6.974	105	20501	0.852	ug/ml#	83
30) m-Toluidine	7.076	106	9654	0.678	ug/ml	97
31) 2-Chloroaniline	7.474	127	17687	0.849	ug/ml#	92
56) a-Terpineol	7.975	59	10805	0.858	ug/ml#	79
57) 3-Chloroaniline	7.987	65	5125	0.835	ug/ml	94
58) 2,6-Dichlorophenol	8.009	162	10415	0.761	ug/ml#	85
59) 1-chloro-2-nitrobenzene	8.282	111	5284	0.866	ug/ml#	1
60) Caprolactam	8.323	55	3960	0.713	ug/ml#	77
61) 1,2,4,5-Tetrachloroben...	8.814	216	17663	0.864	ug/ml#	94
62) Biphenyl	9.118	154	41077	0.873	ug/ml	98
84) Dichloran	10.803	206	2579	0.740	ug/ml#	75
85) Pentachloronitrobenzene	10.949	237	3026	0.806	ug/ml#	84
99) Diphenamid	12.028	167	17525	0.706	ug/ml#	79

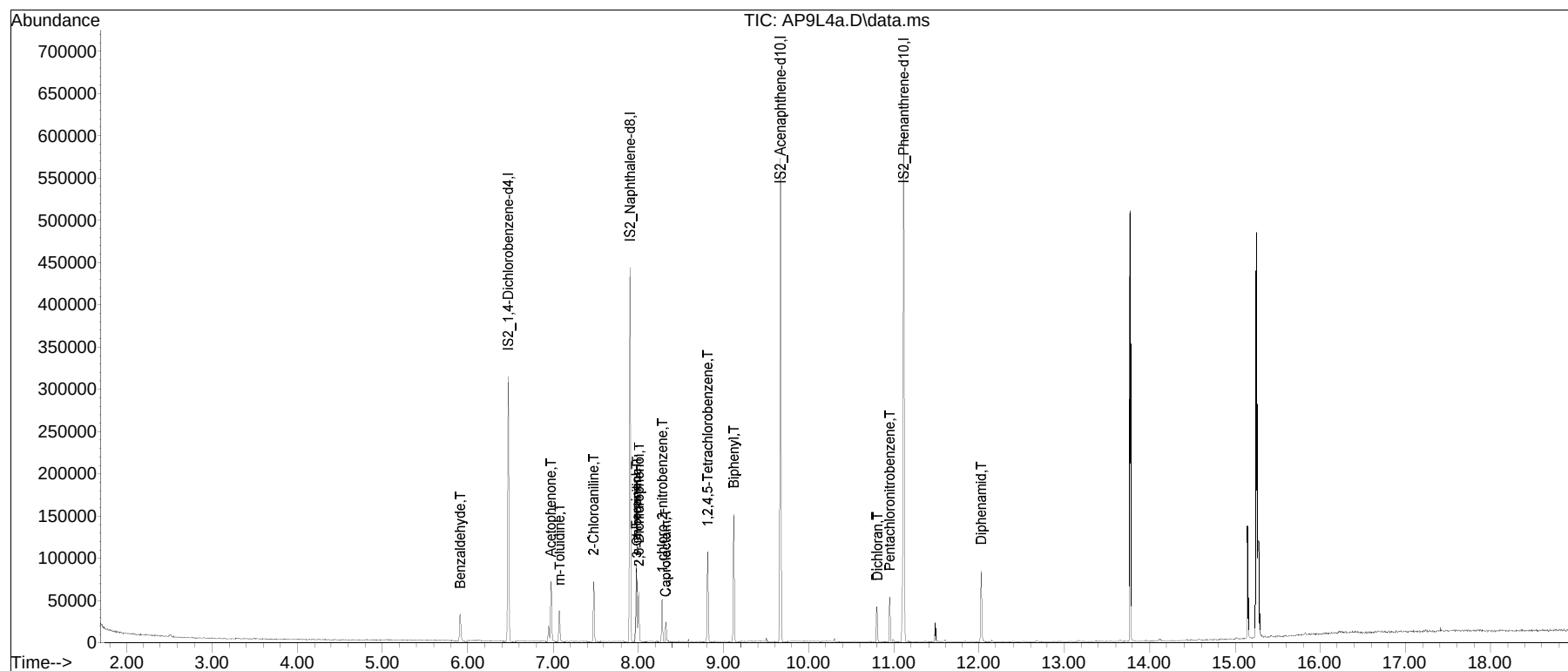
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L4a.D
 Acq On : 27 Aug 2025 3:22 pm
 Operator : SV107:ljj
 Sample : IL7,32,,AP9L1 Lot# 11928
 Misc : WG2108478
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 27 16:38:36 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:38:54 2025
 Response via : Initial Calibration

Sub List : ~~AP9L4a.D~~ 8270\AP9L1\250826ical\AP9L6a.D•



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : AP9L4a.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 3:22 pm Instrument : SV107
Sample : IL7,32,,AP9L1 Lot# 11928 Quant Date : 8/27/2025 4:39 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L3a.D
 Acq On : 27 Aug 2025 3:47 pm
 Operator : SV107:ljb
 Sample : IL8,32,,AP9L0.5 Lot# 11929
 Misc : WG2108478
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 27 16:37:54 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:38:24 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.480	152	46636	4.000	ug/ml	0.00
Standard Area 3 = 49428			Recovery =	94.35%		
55) IS2_Naphthalene-d8	7.903	136	176922	4.000	ug/ml	0.00
Standard Area 3 = 182686			Recovery =	96.84%		
83) IS2_Acenaphthene-d10	9.669	164	102552	4.000	ug/ml	0.00
Standard Area 3 = 105346			Recovery =	97.35%		
98) IS2_Phenanthrene-d10	11.114	188	200439	4.000	ug/ml	# 0.00
Standard Area 3 = 200291			Recovery =	100.07%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	5.914	105	3512	0.425	ug/ml	95
29) Acetophenone	6.977	105	9959	0.408	ug/ml#	85
30) m-Toluidine	7.073	106	3477	0.233	ug/ml	93
31) 2-Chloroaniline	7.477	127	8858	0.424	ug/ml#	90
56) a-Terpineol	7.975	59	5260	0.411	ug/ml#	71
57) 3-Chloroaniline	7.984	65	2771	0.452	ug/ml	92
58) 2,6-Dichlorophenol	8.009	162	5049	0.361	ug/ml#	85
59) 1-chloro-2-nitrobenzene	8.279	111	2647	0.431	ug/ml#	1
60) Caprolactam	8.320	55	1850	0.326	ug/ml#	93
61) 1,2,4,5-Tetrachloroben...	8.814	216	9486	0.455	ug/ml#	97
62) Biphenyl	9.118	154	21295	0.442	ug/ml	97
84) Dichloran	10.803	206	1320	0.376	ug/ml#	72
85) Pentachloronitrobenzene	10.949	237	1467	0.387	ug/ml#	81
99) Diphenamid	12.028	167	8328	0.339	ug/ml#	80

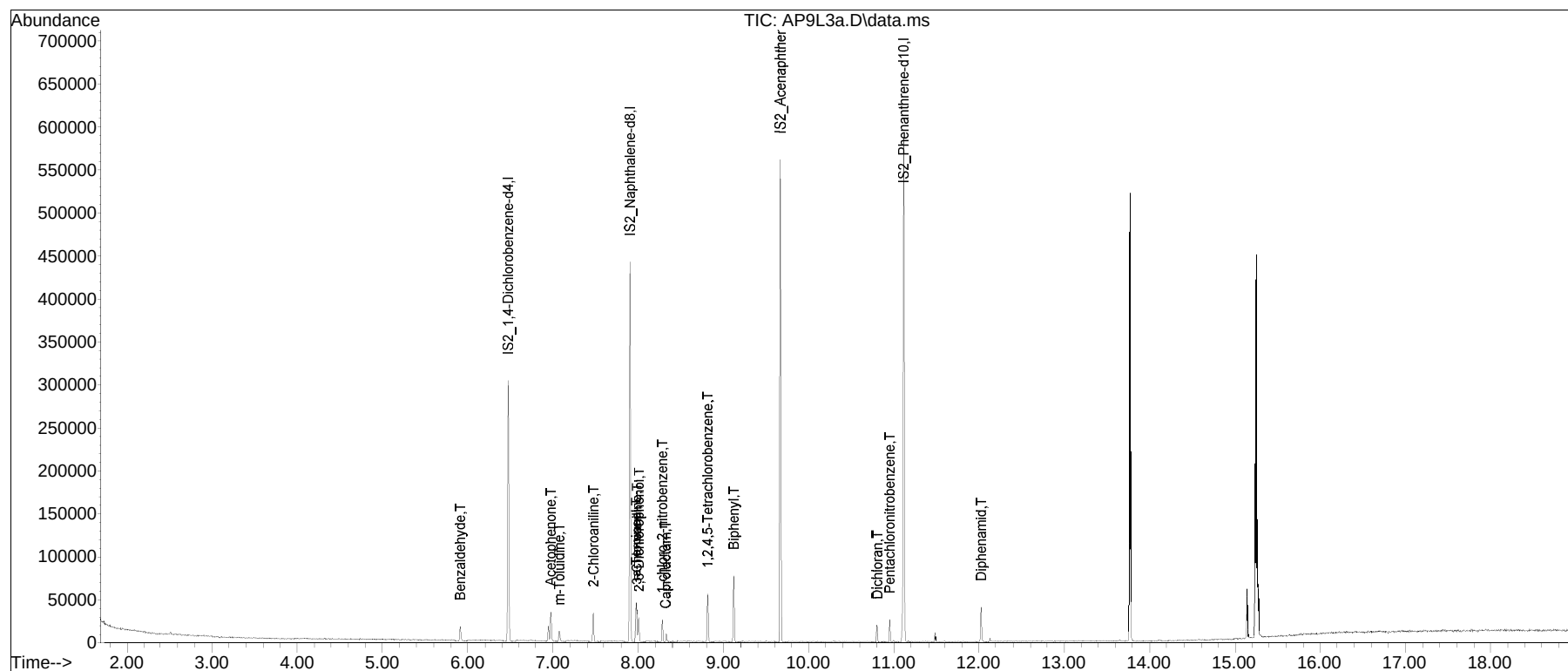
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L3a.D
 Acq On : 27 Aug 2025 3:47 pm
 Operator : SV107:ljj
 Sample : IL8,32,,AP9L0.5 Lot# 11929
 Misc : WG2108478
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 27 16:37:54 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:38:24 2025
 Response via : Initial Calibration

Sub List : ~~AP9L3a.D~~ 8270\AP9L3a.D\250826ical\AP9L6a.D•



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : AP9L3a.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 3:47 pm Instrument : SV107
Sample : IL8,32,,AP9L0.5 Lot# 11929 Quant Date : 8/27/2025 4:38 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L2a.D
 Acq On : 27 Aug 2025 4:12 pm
 Operator : SV107:ljl
 Sample : IL9,32,,AP9L0.2 Lot# 11930
 Misc : WG2108478
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 27 16:37:25 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:37:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.480	152	47594	4.000	ug/ml	0.00
Standard Area 3 = 49428			Recovery =	96.29%		
55) IS2_Naphthalene-d8	7.903	136	183972	4.000	ug/ml	0.00
Standard Area 3 = 182686			Recovery =	100.70%		
83) IS2_Acenaphthene-d10	9.668	164	105040	4.000	ug/ml	0.00
Standard Area 3 = 105346			Recovery =	99.71%		
98) IS2_Phenanthrene-d10	11.114	188	198820	4.000	ug/ml	# 0.00
Standard Area 3 = 200291			Recovery =	99.27%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	5.914	105	1422	0.165	ug/ml	95
29) Acetophenone	6.977	105	4222	0.166	ug/ml#	88
30) m-Toluidine	0.000		0	N.D.		
31) 2-Chloroaniline	7.477	127	3509	0.160	ug/ml#	91
56) a-Terpineol	7.975	59	1896	0.138	ug/ml#	55
57) 3-Chloroaniline	7.987	65	964	0.145	ug/ml	94
58) 2,6-Dichlorophenol	8.009	162	2072	0.136	ug/ml#	85
59) 1-chloro-2-nitrobenzene	8.279	111	1022	0.158	ug/ml#	1
60) Caprolactam	8.329	55	448	0.070	ug/ml#	43
61) 1,2,4,5-Tetrachloroben...	8.814	216	3837	0.174	ug/ml	96
62) Biphenyl	9.121	154	8282	0.162	ug/ml	99
84) Dichloran	10.803	206	493	0.136	ug/ml#	62
85) Pentachloronitrobenzene	10.949	237	465	0.112	ug/ml#	7
99) Diphenamid	12.028	167	3137	0.122	ug/ml#	78

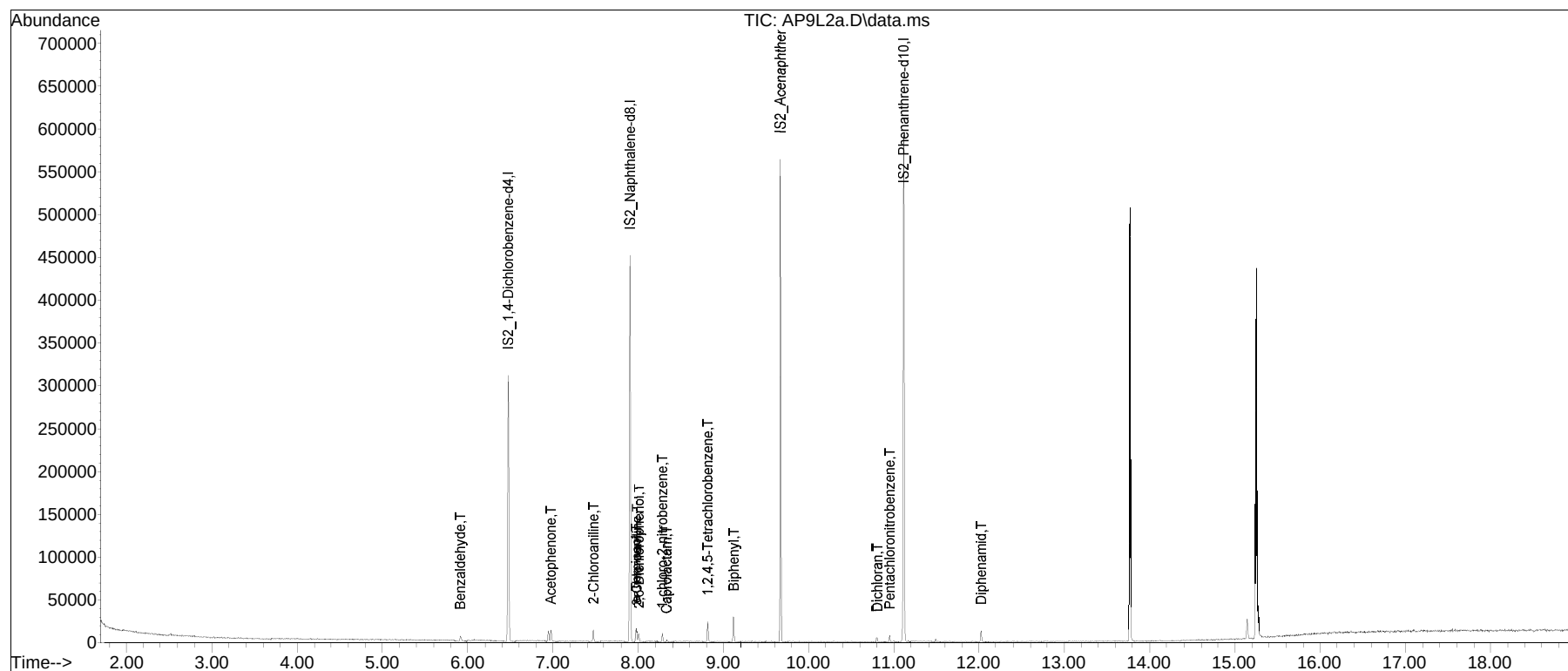
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L2a.D
 Acq On : 27 Aug 2025 4:12 pm
 Operator : SV107:ljj
 Sample : IL9,32,,AP9L0.2 Lot# 11930
 Misc : WG2108478
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 27 16:37:25 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:37:54 2025
 Response via : Initial Calibration

Sub List : ~~AP9L2a.D~~ 8270\AP9L2a.D •



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : AP9L2a.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 4:12 pm Instrument : SV107
Sample : IL9,32,,AP9L0.2 Lot# 11930 Quant Date : 8/27/2025 4:38 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L1a.D
 Acq On : 27 Aug 2025 4:37 pm
 Operator : SV107:ljl
 Sample : IL10,32,,AP9L0.1 Lot# 11931
 Misc : WG2108478
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 27 17:13:31 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:42:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.480	152	47515	4.000	ug/ml	0.00
Standard Area 3 = 49428			Recovery =	96.13%		
55) IS2_Naphthalene-d8	7.903	136	179942	4.000	ug/ml	0.00
Standard Area 3 = 182686			Recovery =	98.50%		
83) IS2_Acenaphthene-d10	9.668	164	103954	4.000	ug/ml	0.00
Standard Area 3 = 105346			Recovery =	98.68%		
98) IS2_Phenanthrene-d10	11.114	188	204575	4.000	ug/ml	# 0.00
Standard Area 3 = 200291			Recovery =	102.14%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	5.917	105	607	0.083	ug/ml#	78
29) Acetophenone	6.983	105	2090	0.098	ug/ml#	78
30) m-Toluidine	0.000		0	N.D.		
31) 2-Chloroaniline	7.474	127	1651	0.089	ug/ml#	70
56) a-Terpineol	7.975	59	948	0.084	ug/ml#	86
57) 3-Chloroaniline	7.987	65	331M2	0.060	ug/ml	
58) 2,6-Dichlorophenol	8.009	162	883	0.072	ug/ml	95
59) 1-chloro-2-nitrobenzene	8.282	111	523	0.094	ug/ml#	1
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	8.814	216	2008	0.108	ug/ml#	89
62) Biphenyl	9.121	154	4746	0.113	ug/ml	96
84) Dichloran	10.803	206	125M2	0.033	ug/ml	
85) Pentachloronitrobenzene	10.952	237	218M2	0.063	ug/ml	
99) Diphenamid	12.027	167	1679	0.078	ug/ml#	81

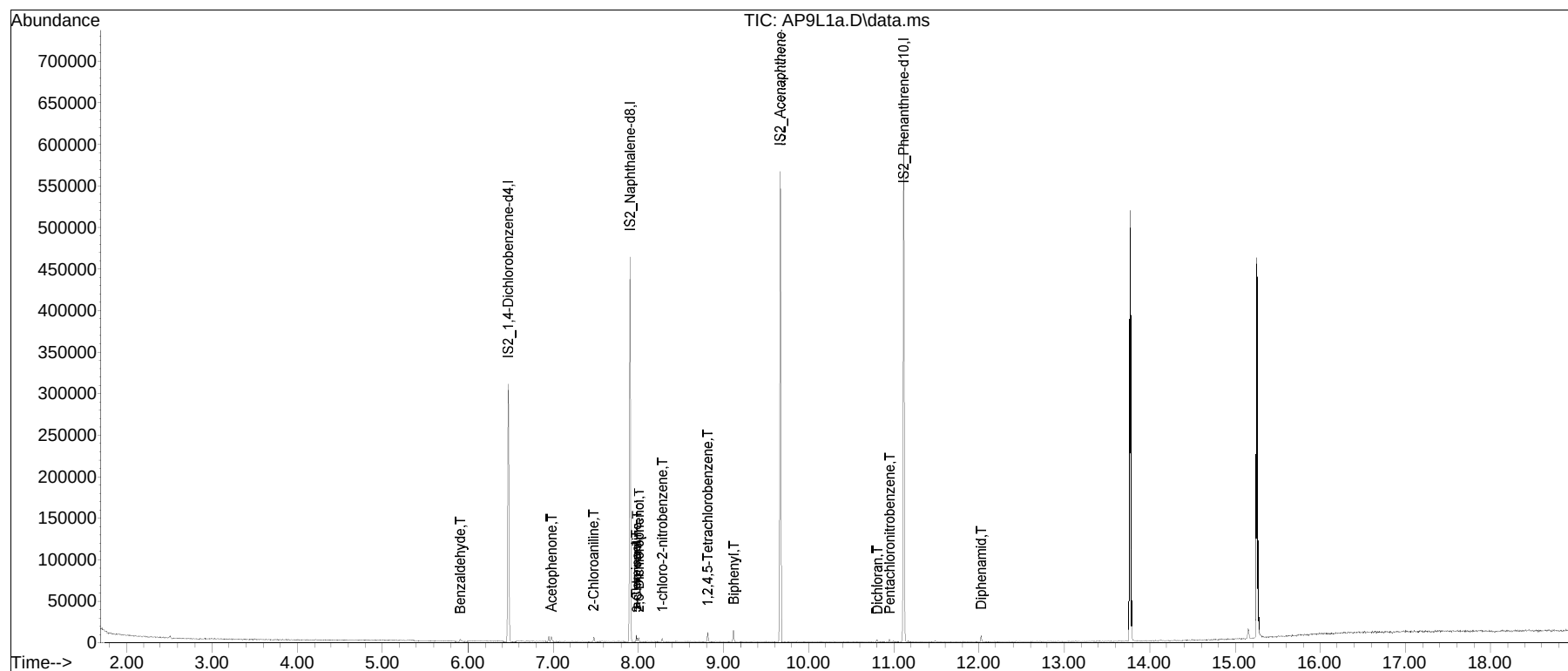
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9L1a.D
 Acq On : 27 Aug 2025 4:37 pm
 Operator : SV107:ljj
 Sample : IL10,32,,AP9L0.1 Lot# 11931
 Misc : WG2108478
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 27 17:13:31 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Aug 27 16:42:29 2025
 Response via : Initial Calibration

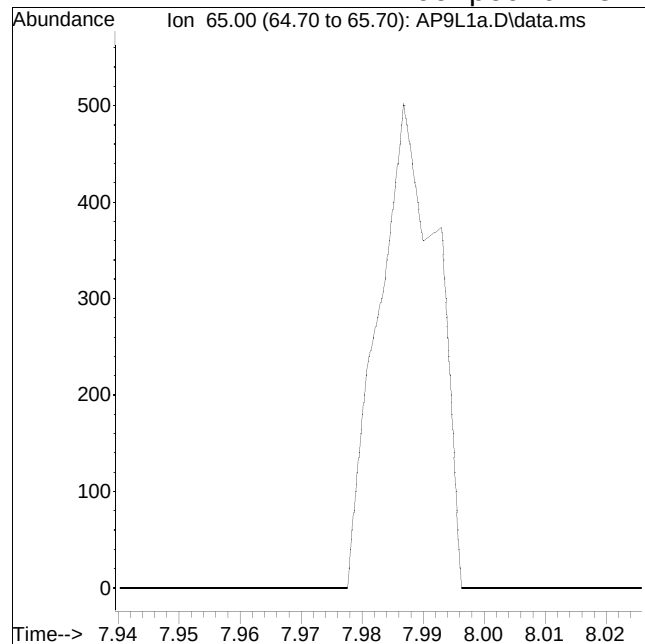
Sub List : ~~AP9L1a.D~~ 8270\AP9L1a.D\250826ical\AP9L6a.D•



Manual Integration Report

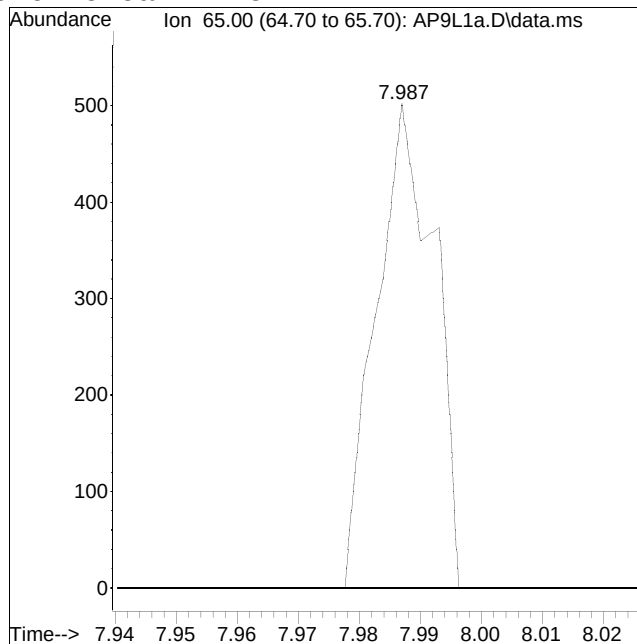
Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : AP9L1a.D Operator : SV107:ljpg
Date Inj'd : 8/27/2025 4:37 pm Instrument : SV107
Sample : IL10,32,,AP9L0.1 Lot# 11930 Quant Date : 8/27/2025 5:13 pm

Compound #57: 3-Chloroaniline



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

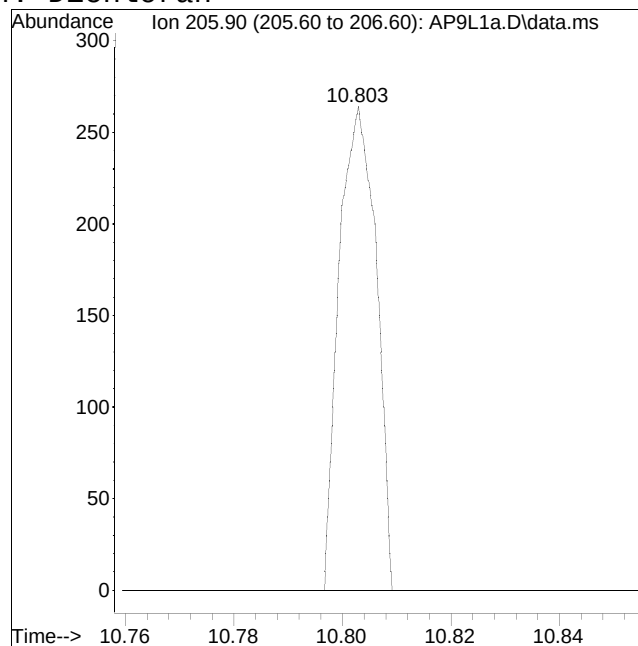
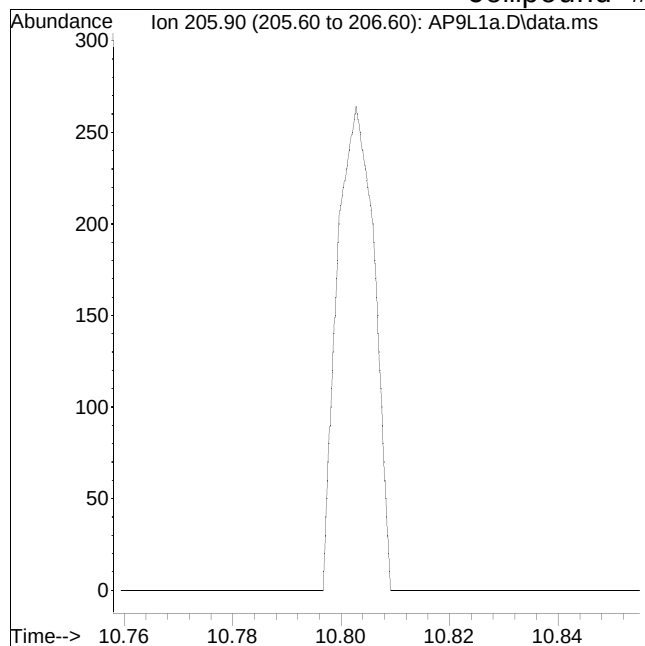


Manual Peak Response = 331 M2

Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : AP9L1a.D Operator : SV107:ljb
Date Inj'd : 8/27/2025 4:37 pm Instrument : SV107
Sample : IL10,32,,AP9L0.1 Lot# 1193 Quant Date : 8/27/2025 5:13 pm

Compound #84: Dichloran



Original Peak Response = 0

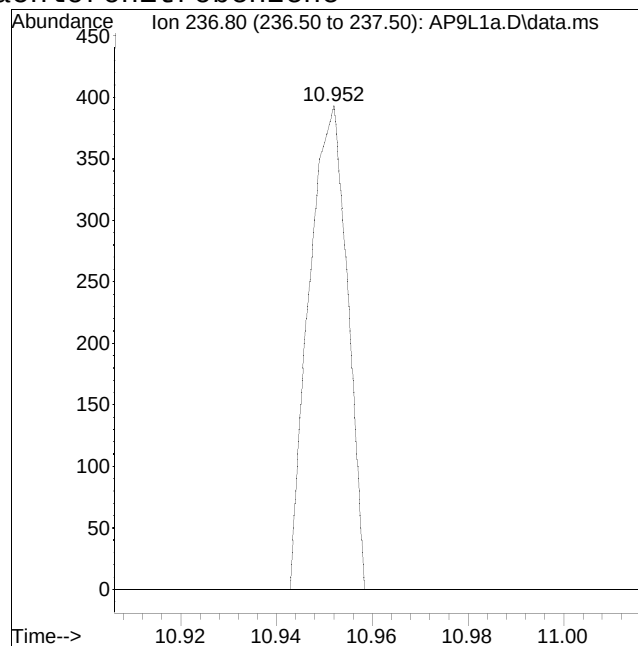
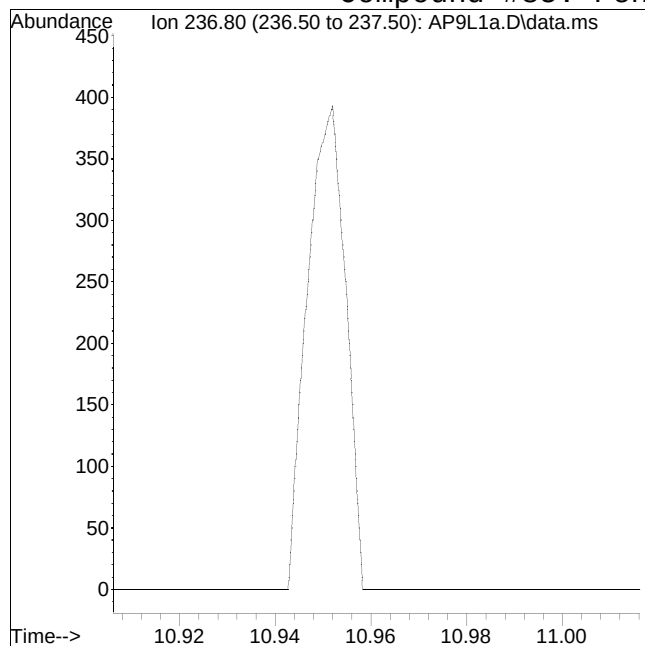
Manual Peak Response = 125 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : AP9L1a.D Operator : SV107:l jg
Date Inj'd : 8/27/2025 4:37 pm Instrument : SV107
Sample : IL10,32,,AP9L0.1 Lot# 1193 Quant Date : 8/27/2025 5:13 pm

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0

Manual Peak Response = 218 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9ICVa.D
 Acq On : 27 Aug 2025 5:02 pm
 Operator : SV107:ljj
 Sample : CQICV2,32,,AP9ICV Lot# 11932
 Misc : WG2108478
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 13:16:16 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 13:17:03 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
28 T	Benzaldehyde	0.605	0.669	-10.6	99	0.00
29 T	Acetophenone	1.796	1.832	-2.0	92	0.00
30 T	m-Toluidine	1.129	1.218	-7.9	97	0.00
31 T	2-Chloroaniline	1.545	1.606	-3.9	92	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	93	0.00
56 T	a-Terpineol	0.250	0.247	1.2	89	0.00
57 T	3-Chloroaniline	0.117	0.127	-8.5	92	0.00
58 T	2,6-Dichlorophenol	0.264	0.275	-4.2	90	0.00
59 T	1-chloro-2-nitrobenzene	0.124	0.122	1.6	91	0.00
60 T	Caprolactam	0.125	0.109	12.8	84	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.415	0.405	2.4	93	0.00
62 T	Biphenyl	0.948	0.939	0.9	94	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	92	0.00
84 T	Dichloran	0.145	0.110	24.1#	81	0.00
85 T	Pentachloronitrobenzene	0.133	0.129	3.0	87	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	96	0.00
99 T	Diphenamid	0.435	0.427	1.8	89	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9ICVa.D
 Acq On : 27 Aug 2025 5:02 pm
 Operator : SV107:ljl
 Sample : CQICV2,32,,AP9ICV Lot# 11932
 Misc : WG2108478
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 13:16:16 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 13:17:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250826ical\ABNL6.D
 : 2 - I:\8270\SV107\250826ical\ADPL6.D
 : 3 - I:\8270\SV107\250826ical\AP9L6a.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.480	152	44456	4.000	ug/ml	0.00
Standard Area 3 = 49428			Recovery =	89.94%		
55) IS2_Naphthalene-d8	7.903	136	169103	4.000	ug/ml	0.00
Standard Area 3 = 182686			Recovery =	92.56%		
83) IS2_Acenaphthene-d10	9.668	164	97134	4.000	ug/ml	0.00
Standard Area 3 = 105346			Recovery =	92.20%		
98) IS2_Phenanthrene-d10	11.114	188	191295	4.000	ug/ml	# 0.00
Standard Area 3 = 200291			Recovery =	95.51%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	5.911	105	37155	5.523	ug/ml	94
29) Acetophenone	6.974	105	101829	5.101	ug/ml#	82
30) m-Toluidine	7.073	106	67659	5.393	ug/ml	95
31) 2-Chloroaniline	7.477	127	89268	5.198	ug/ml#	93
56) a-Terpineol	7.975	59	52242	4.940	ug/ml#	76
57) 3-Chloroaniline	7.987	65	26856	5.446	ug/ml	96
58) 2,6-Dichlorophenol	8.009	162	58142	5.208	ug/ml#	86
59) 1-chloro-2-nitrobenzene	8.282	111	25847	4.922	ug/ml#	1
60) Caprolactam	8.326	55	22964	4.349	ug/ml#	69
61) 1,2,4,5-Tetrachloroben...	8.814	216	85602	4.883	ug/ml	97
62) Biphenyl	9.118	154	198422	4.953	ug/ml	98
84) Dichloran	10.803	206	13359	3.807	ug/ml#	76
85) Pentachloronitrobenzene	10.952	237	15683	4.872	ug/ml#	83
99) Diphenamid	12.031	167	102176	4.915	ug/ml#	79

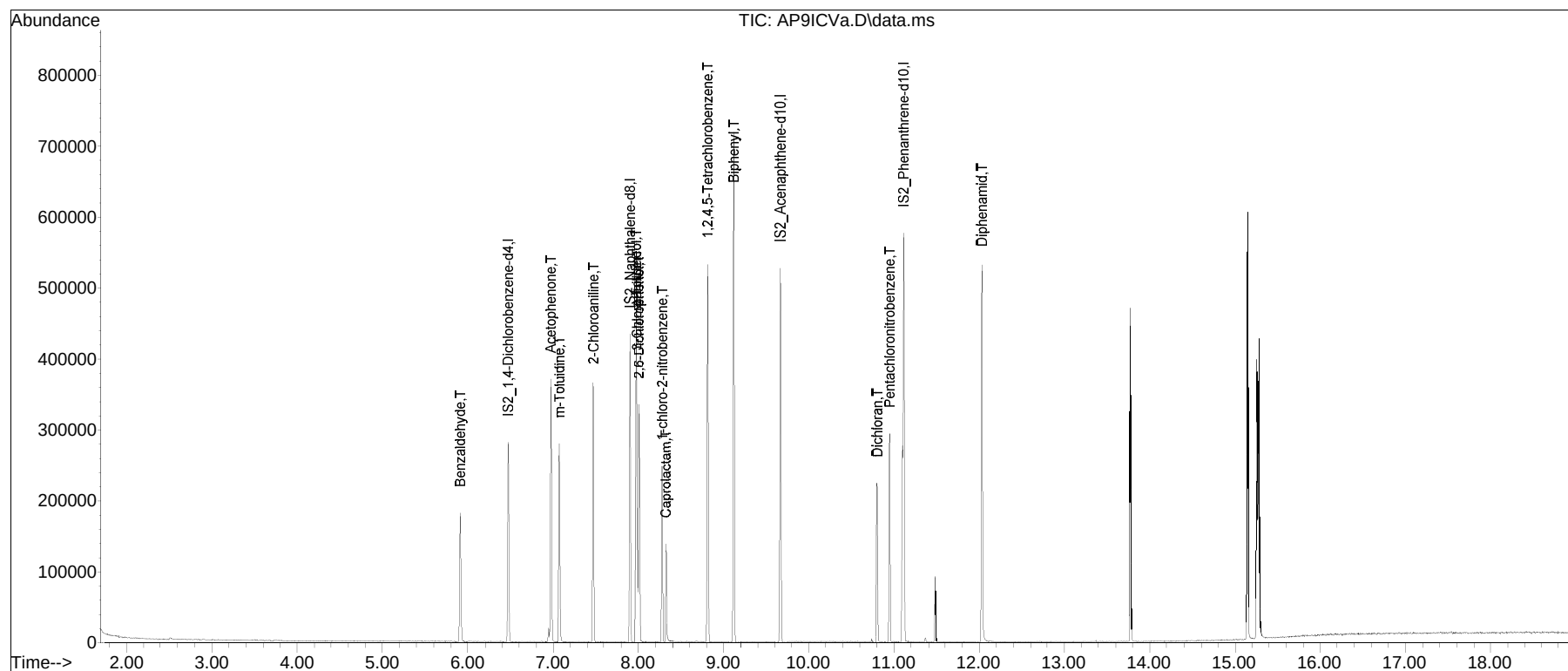
(#) = qualifier out of range (m) = manual integration (+) = signals summed

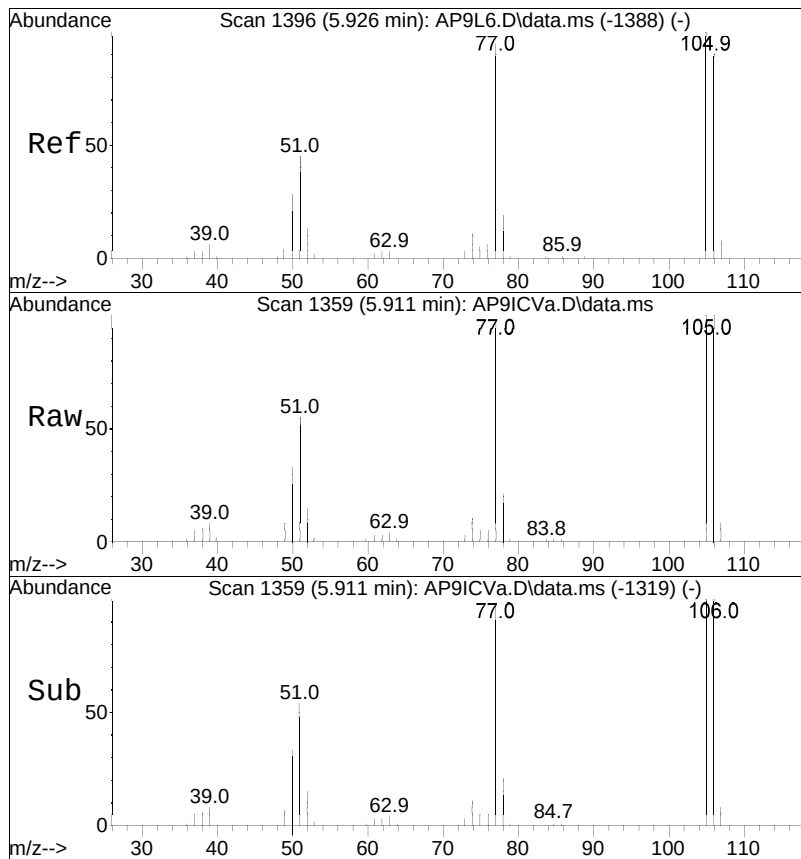
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250826ical\
 Data File : AP9ICVa.D
 Acq On : 27 Aug 2025 5:02 pm
 Operator : SV107:ljj
 Sample : CQICV2,32,,AP9ICV Lot# 11932
 Misc : WG2108478
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 13:16:16 2025
 Quant Method : I:\8270\SV107\250826ical\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 13:17:03 2025
 Response via : Initial Calibration

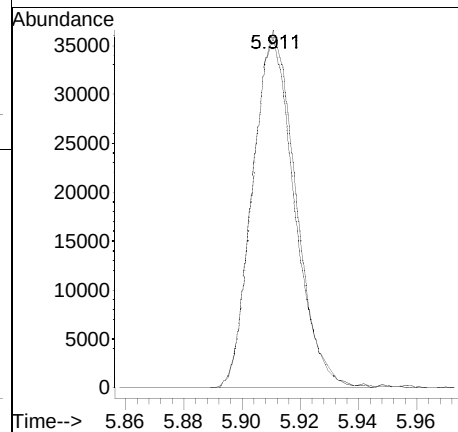
Sub List : ~~AP9iCa\8270\AP9V107\250826ical\AP9L6a.D~~

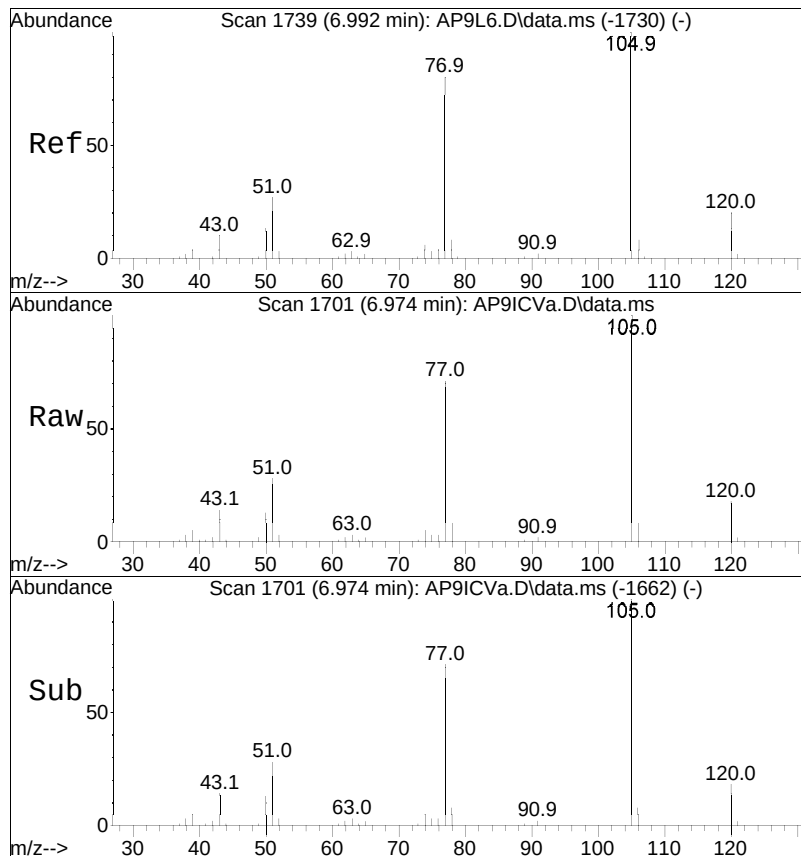




#28
 Benzaldehyde
 Concen: 5.52 ug/ml
 RT: 5.911 min Scan# 1359
 Delta R.T. -0.000 min
 Lab File: AP9ICVa.D
 Acq: 27 Aug 2025 5:02 pm

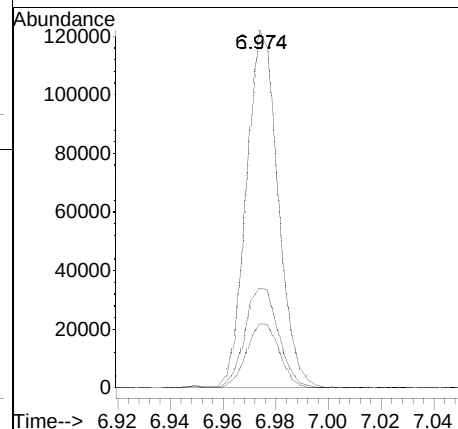
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	37155		
77	96.9	82.2	123.4	

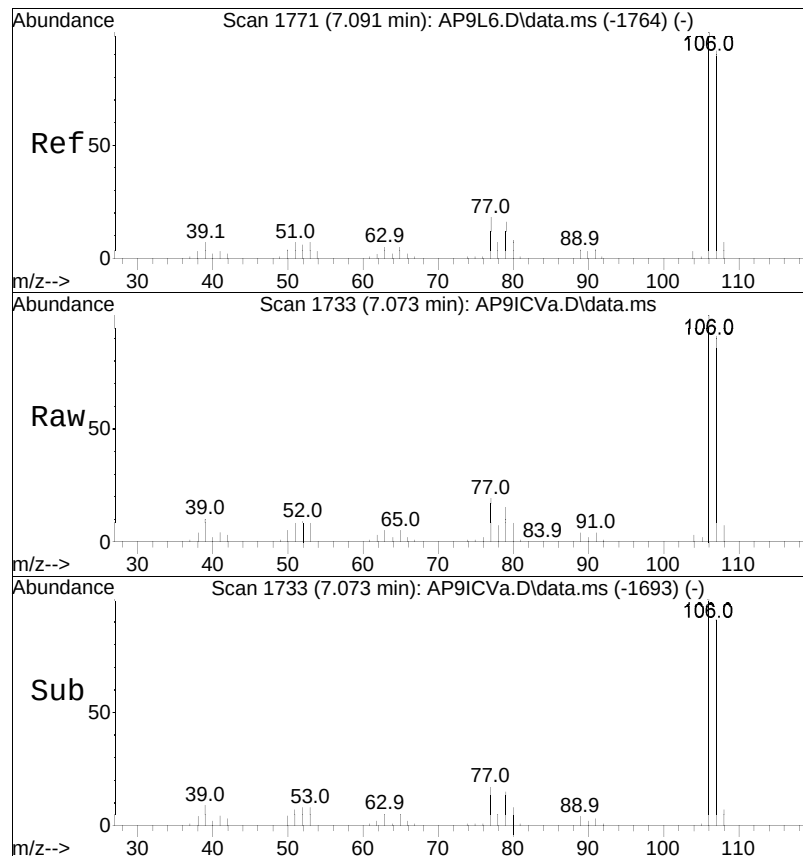




#29
 Acetophenone
 Concen: 5.10 ug/ml
 RT: 6.974 min Scan# 1701
 Delta R.T. -0.003 min
 Lab File: AP9ICVa.D
 Acq: 27 Aug 2025 5:02 pm

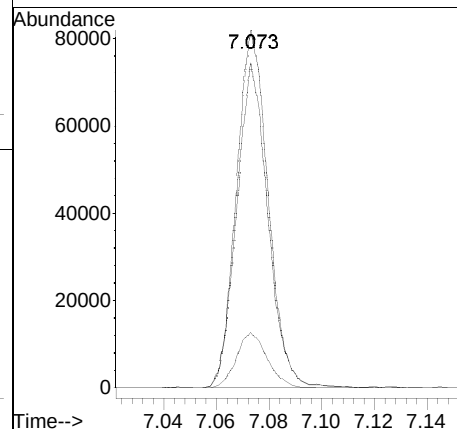
Tgt Ion:	105	Resp:	101829
Ion Ratio	Lower	Upper	
105	100		
120	18.8	20.5	30.7#
51	29.8	34.9	52.3#

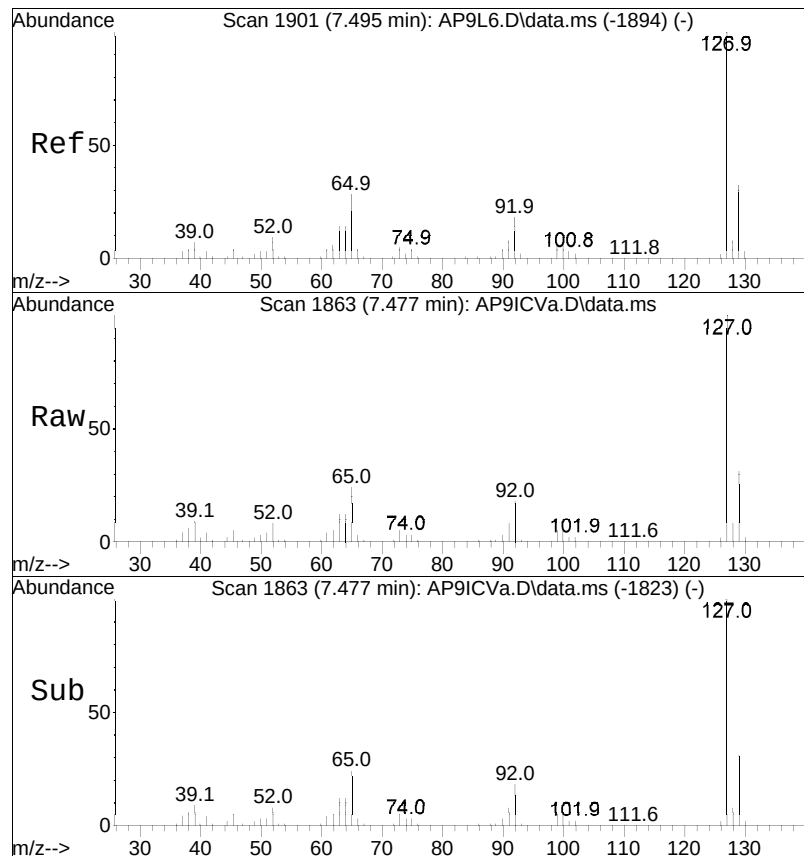




#30
m-Toluidine
Concen: 5.39 ug/ml
RT: 7.073 min Scan# 1733
Delta R.T. 0.000 min
Lab File: AP9ICVa.D
Acq: 27 Aug 2025 5:02 pm

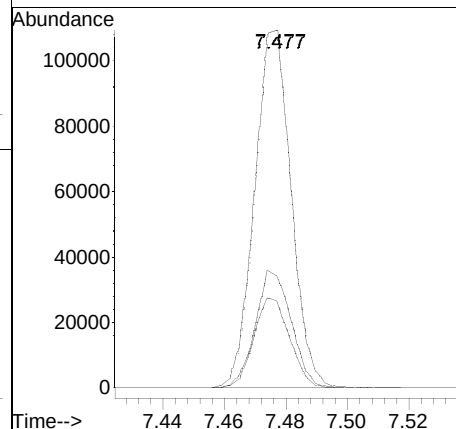
Tgt Ion:	106	Resp:	67659
Ion Ratio	Lower	Upper	
106	100		
107	89.6	75.7	113.5
79	15.2	11.8	17.8

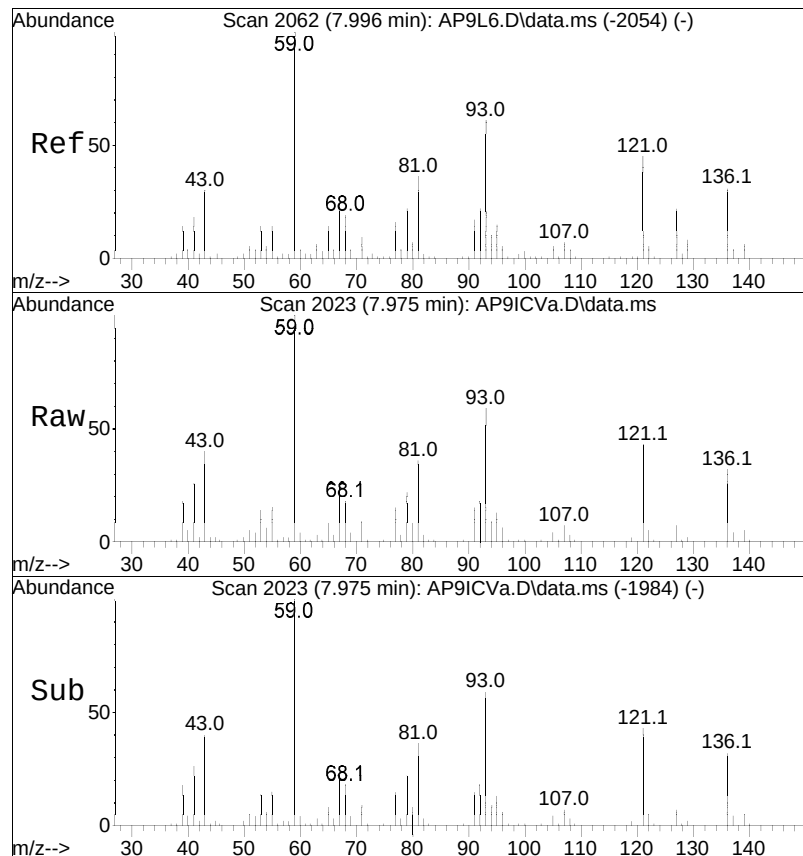




#31
 2-Chloroaniline
 Concen: 5.20 ug/ml
 RT: 7.477 min Scan# 1863
 Delta R.T. 0.000 min
 Lab File: AP9ICVa.D
 Acq: 27 Aug 2025 5:02 pm

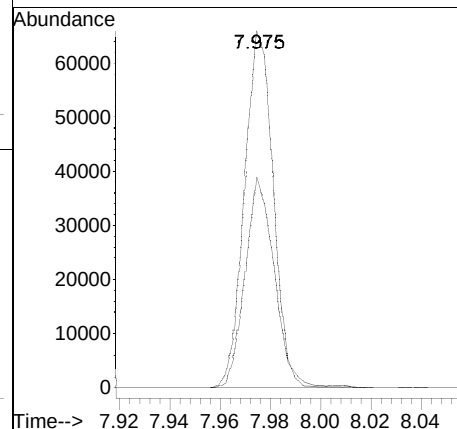
Tgt Ion:	127	Resp:	89268
Ion Ratio	Lower	Upper	
127	100		
129	32.4	25.9	38.9
65	24.9	26.3	39.5#

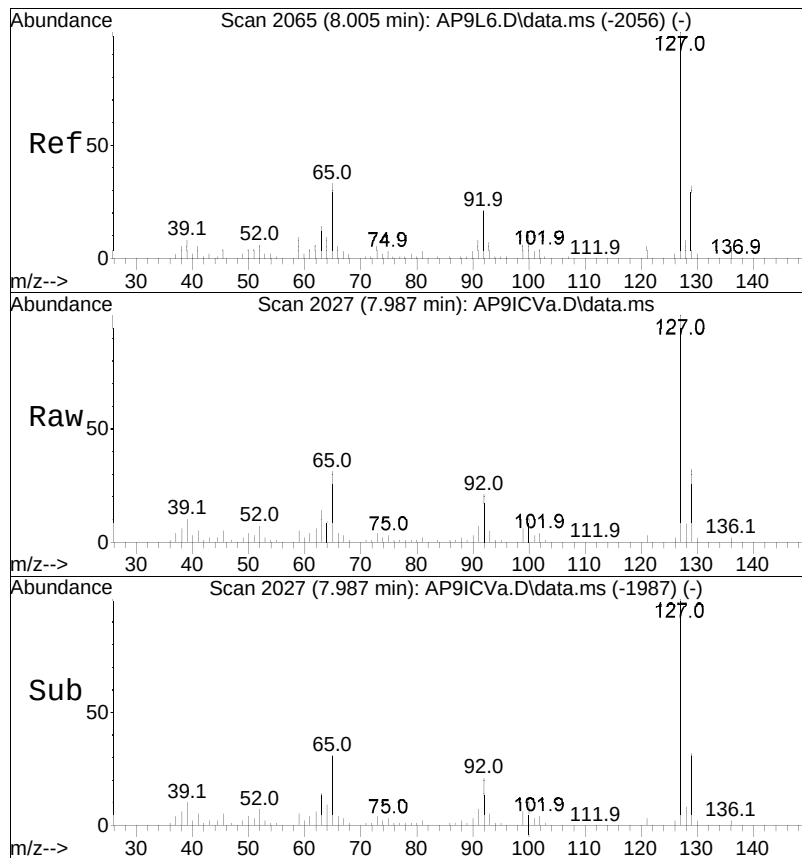




#56
a-Terpineol
Concen: 4.94 ug/ml
RT: 7.975 min Scan# 2023
Delta R.T. -0.003 min
Lab File: AP9ICVa.D
Acq: 27 Aug 2025 5:02 pm

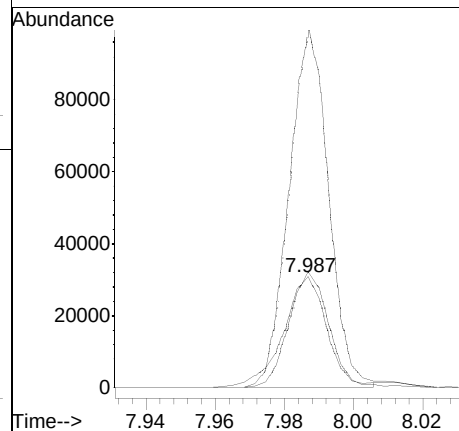
Tgt Ion	Ratio	Lower	Upper
59	100		
93	59.9	35.6	53.4#

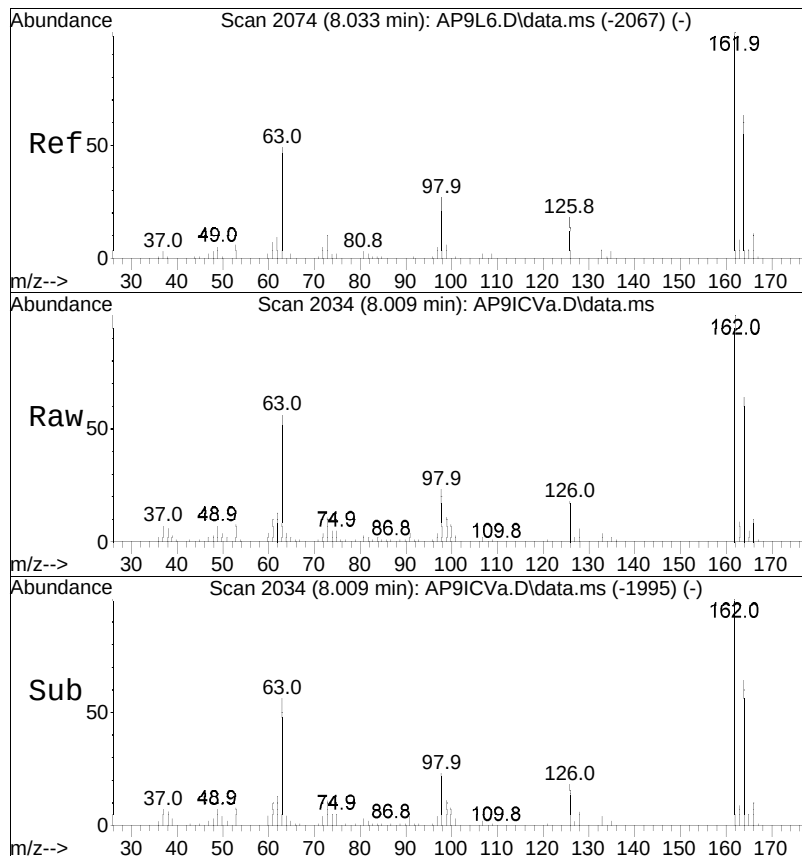




#57
 3-Chloroaniline
 Concen: 5.45 ug/ml
 RT: 7.987 min Scan# 2027
 Delta R.T. -0.000 min
 Lab File: AP9ICVa.D
 Acq: 27 Aug 2025 5:02 pm

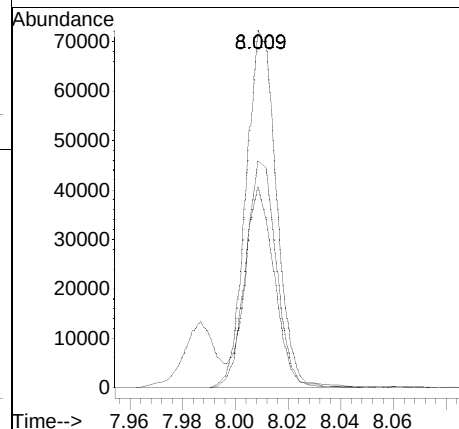
Tgt Ion:	65	Resp:	26856
Ion Ratio	Lower	Upper	
65	100		
127	294.5	243.2	364.8
129	95.7	78.8	118.2

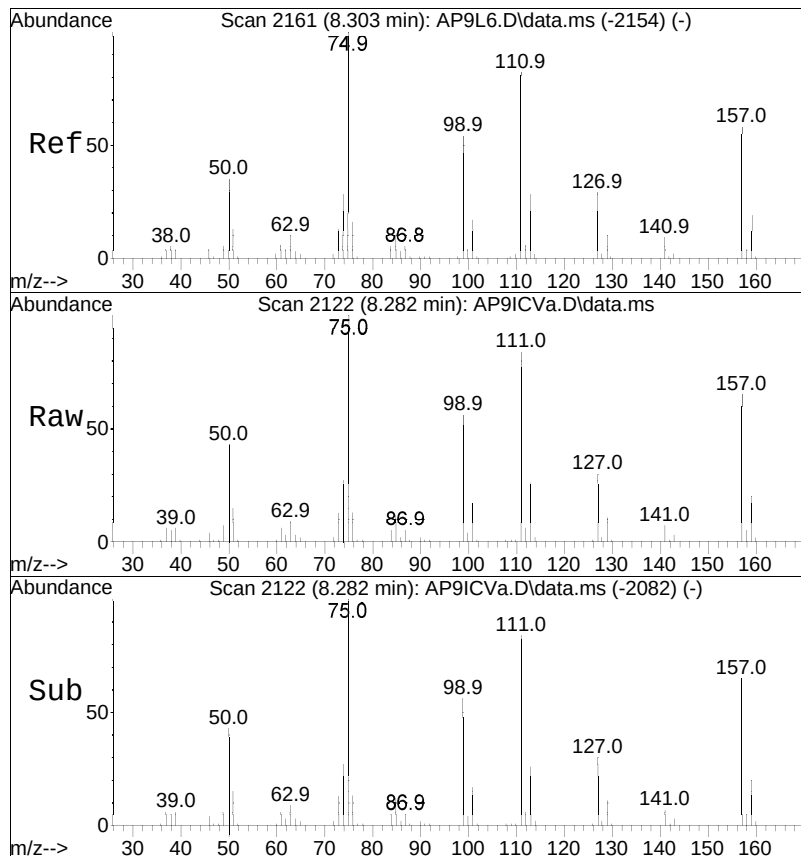




#58
 2,6-Dichlorophenol
 Concen: 5.21 ug/ml
 RT: 8.009 min Scan# 2034
 Delta R.T. -0.003 min
 Lab File: AP9ICVa.D
 Acq: 27 Aug 2025 5:02 pm

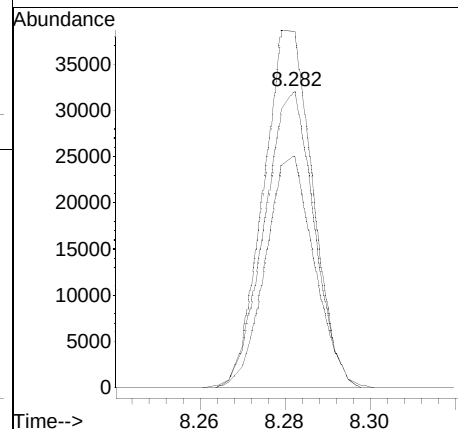
Tgt Ion:	162	Resp:	58142
Ion Ratio	Lower	Upper	
162	100		
164	63.2	51.1	76.7
63	53.8	60.8	91.2#

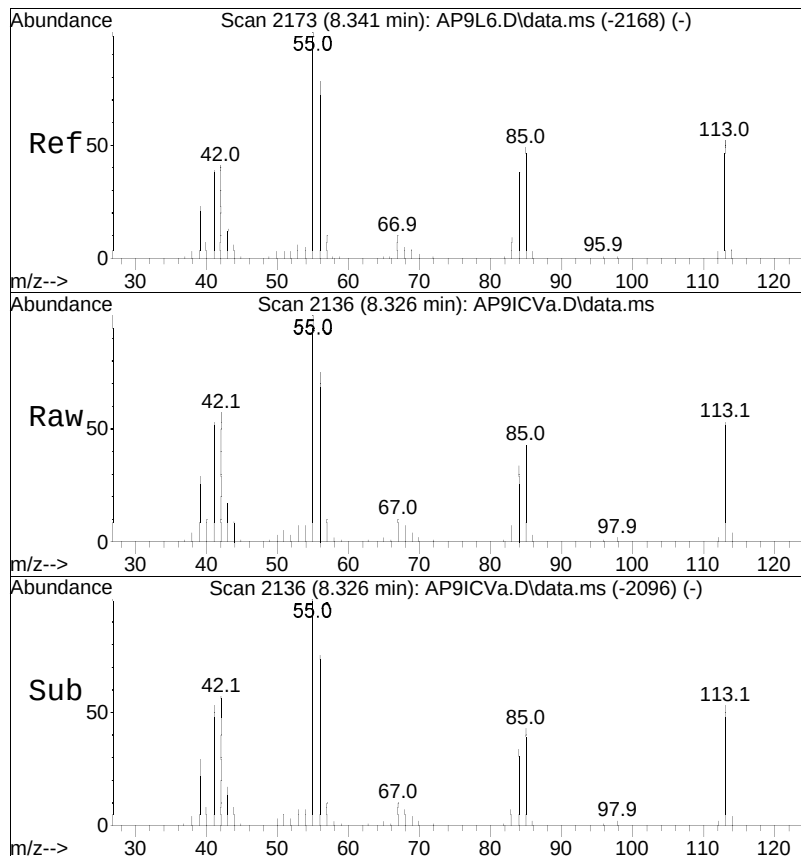




#59
 1-chloro-2-nitrobenzene
 Concen: 4.92 ug/ml
 RT: 8.282 min Scan# 2122
 Delta R.T. 0.000 min
 Lab File: AP9ICVa.D
 Acq: 27 Aug 2025 5:02 pm

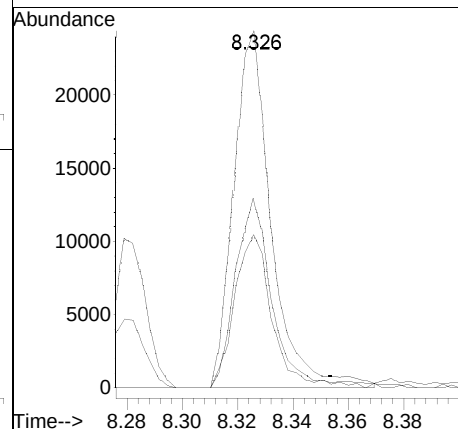
Tgt Ion:	111	Resp:	25847
Ion Ratio	Lower	Upper	
111	100		
157	76.7	0.0	0.0#
75	120.5	28.2	42.2#

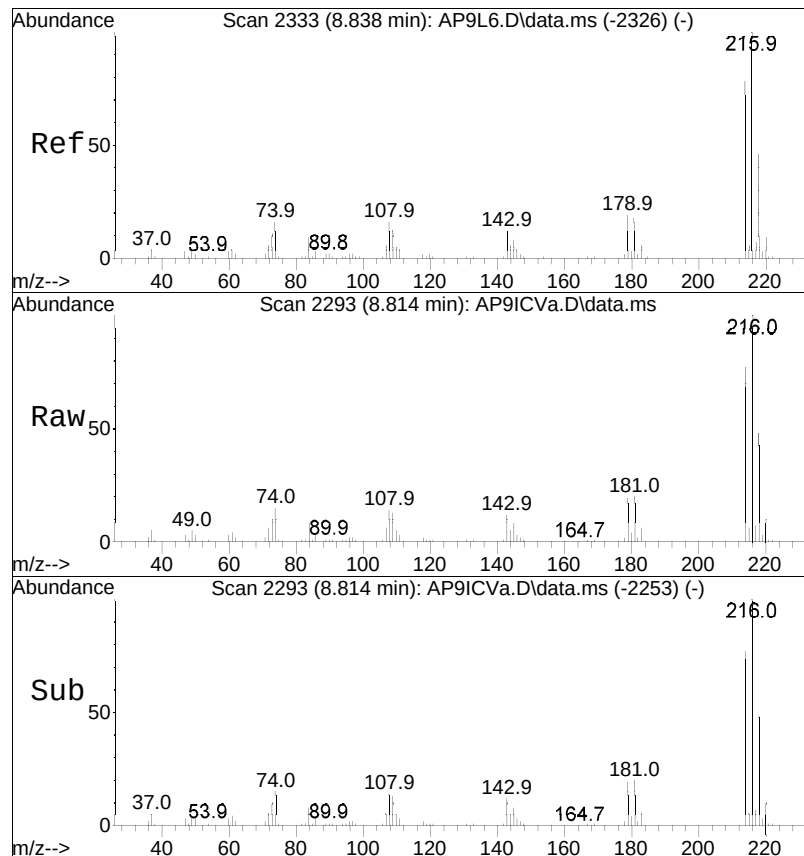




#60
 Caprolactam
 Concen: 4.35 ug/ml
 RT: 8.326 min Scan# 2136
 Delta R.T. -0.000 min
 Lab File: AP9ICVa.D
 Acq: 27 Aug 2025 5:02 pm

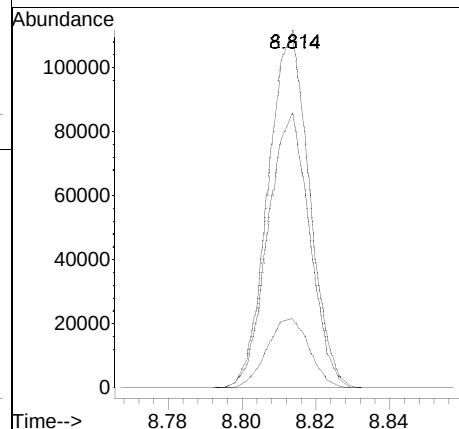
Tgt Ion	Ratio	Lower	Upper
55	100		
85	43.0	19.8	29.6#
113	52.8	29.6	44.4#

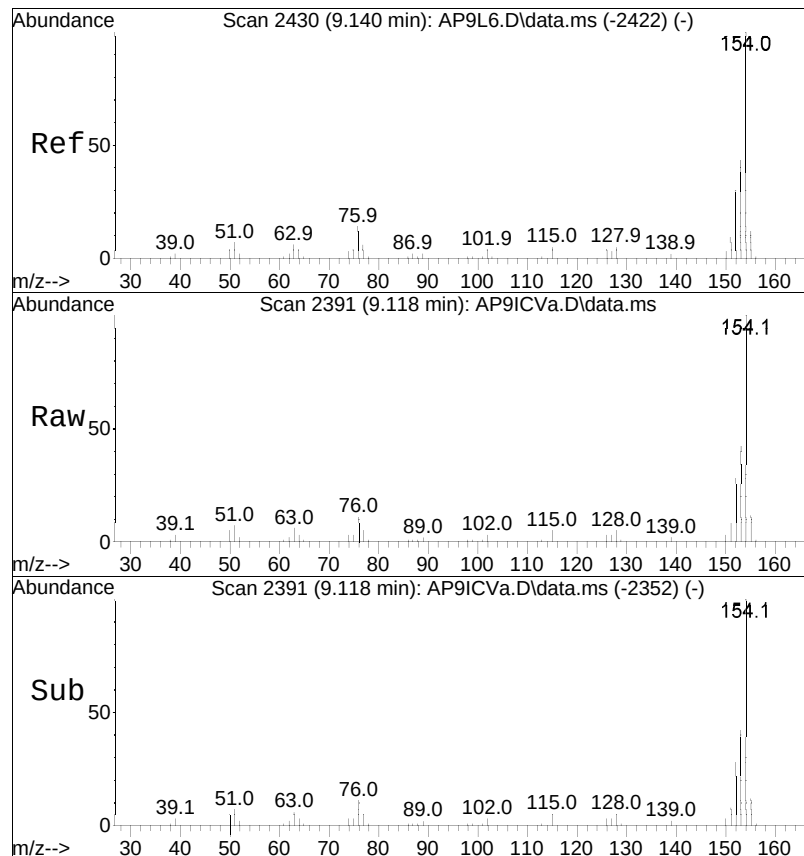




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.88 ug/ml
 RT: 8.814 min Scan# 2293
 Delta R.T. -0.000 min
 Lab File: AP9ICVa.D
 Acq: 27 Aug 2025 5:02 pm

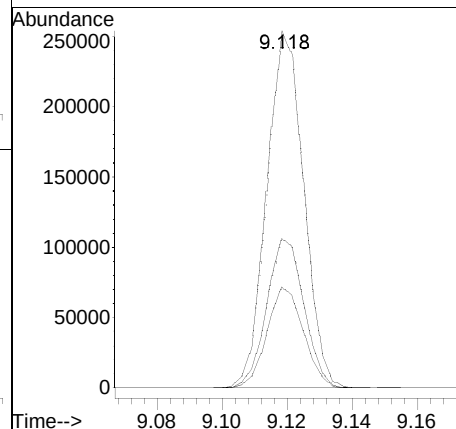
Tgt Ion:	216	Resp:	85602
Ion Ratio	Lower	Upper	
216	100		
214	78.1	63.7	95.5
179	20.2	19.0	28.6

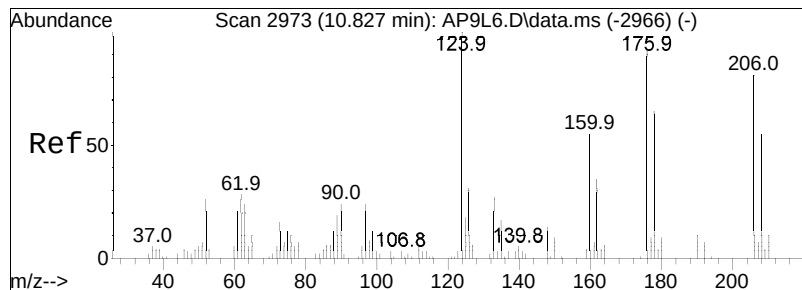




#62
 Biphenyl
 Concen: 4.95 ug/ml
 RT: 9.118 min Scan# 2391
 Delta R.T. -0.003 min
 Lab File: AP9ICVa.D
 Acq: 27 Aug 2025 5:02 pm

Tgt Ion:	154	Resp:	198422
Ion Ratio	Lower	Upper	
154	100		
153	42.3	32.3	48.5
152	28.1	22.5	33.7





#84

Dichloran

Concen: 3.81 ug/ml

RT: 10.803 min Scan# 2933

Delta R.T. -0.003 min

Lab File: AP9ICVa.D

Acq: 27 Aug 2025 5:02 pm

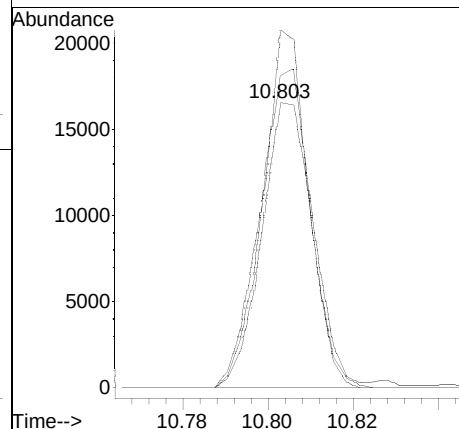
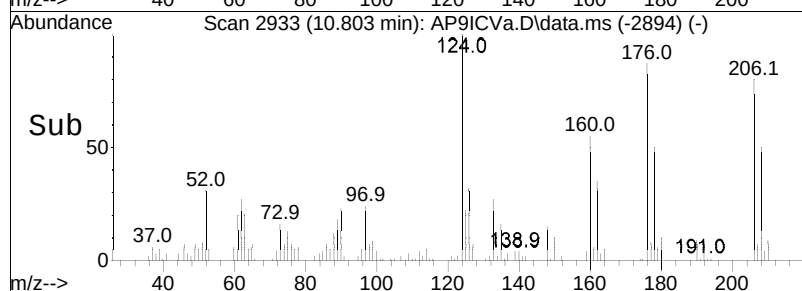
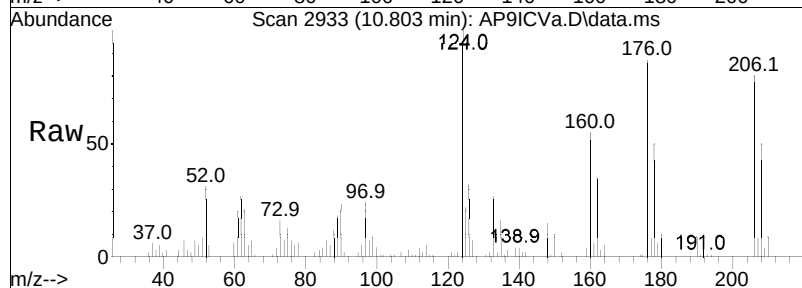
Tgt Ion: 206 Resp: 13359

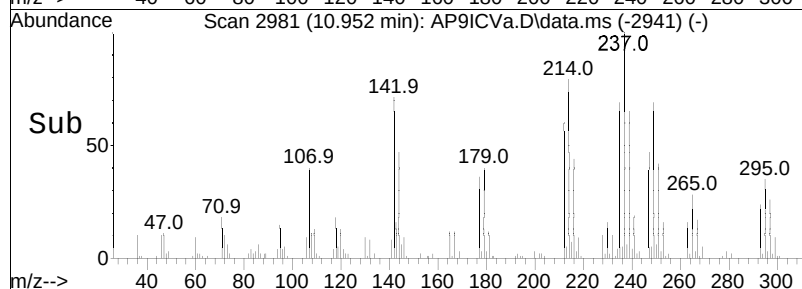
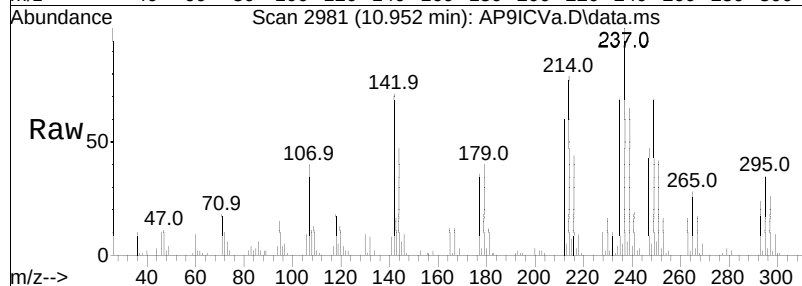
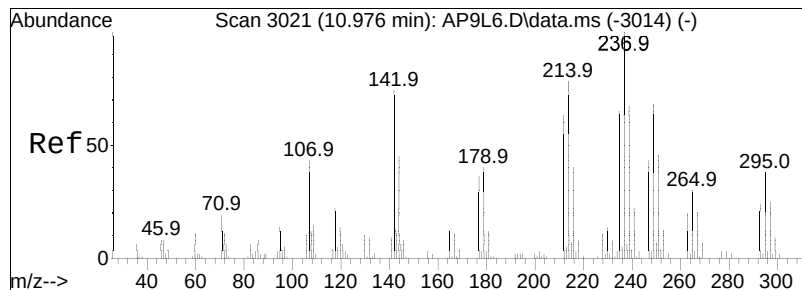
Ion Ratio Lower Upper

206 100

176 116.5 104.6 157.0

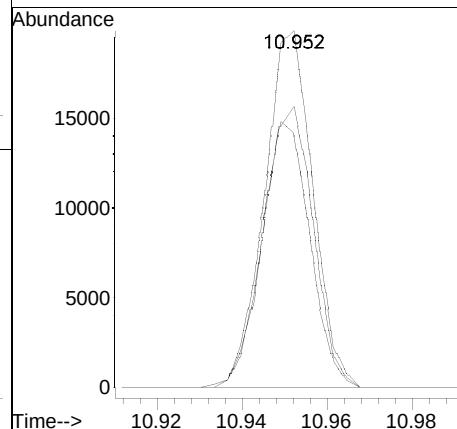
124 119.3 130.5 195.7#

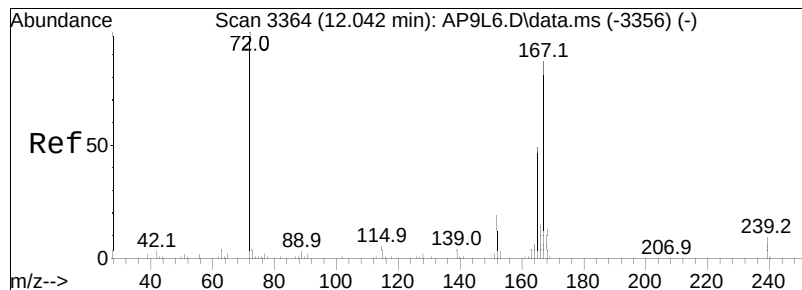




#85
 Pentachloronitrobenzene
 Concen: 4.87 ug/ml
 RT: 10.952 min Scan# 2981
 Delta R.T. 0.000 min
 Lab File: AP9ICVa.D
 Acq: 27 Aug 2025 5:02 pm

Tgt Ion	Ratio	Lower	Upper
237	100		
142	74.5	77.0	115.4#
214	81.2	58.2	87.4





#99

Diphenamid

Concen: 4.92 ug/ml

RT: 12.031 min Scan# 3328

Delta R.T. 0.004 min

Lab File: AP9ICVa.D

Acq: 27 Aug 2025 5:02 pm

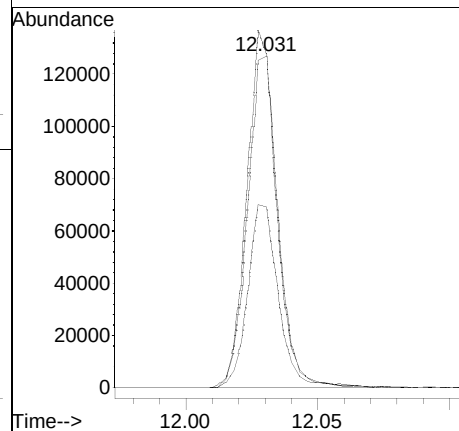
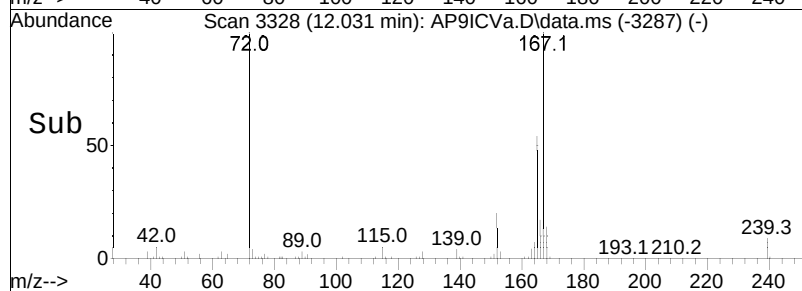
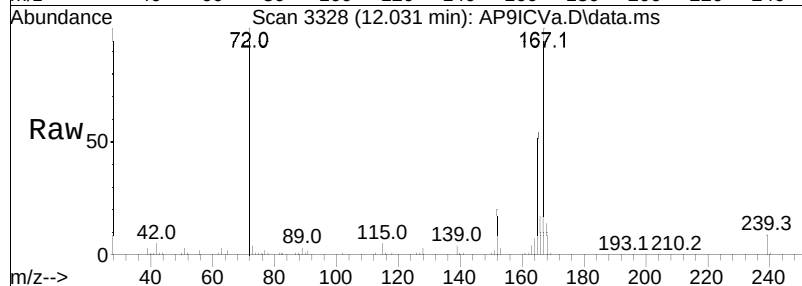
Tgt Ion:167 Resp: 102176

Ion Ratio Lower Upper

167 100

72 104.1 109.7 164.5#

165 55.3 41.8 62.6



Manual Integration Report

Data Path : I:\8270\SV107\250826ical\ QMethod : FS250826SV107RVT.m
Data File : AP9ICVa.D Operator : SV107:ljb
Date Inj'd : 8/27/2025 5:02 pm Instrument : SV107
Sample : CQICV2,32,,AP9ICV Lot# 119000 Quant Date : 8/28/2025 1:17 pm

There are no manual integrations or false positives in this file.

Method Path : I:\8270\SV107\250826ical\
 Method File : FS250826SV107RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Wed Aug 27 17:27:22 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37	T Benzoic Acid	L	ug/ml	5.0	4.812	-3.8	2.50	2.581	3.2
66	T 2,4-Dinitrophenol	L	ug/ml	5.0	4.495	-10.1	1.00	1.158	15.8
68	T 2,4-Dinitrotoluene	L	ug/ml	5.0	4.800	-4.0	0.50	0.566	13.2
76	T 4,6-Dinitro-o-cresol	L	ug/ml	5.0	4.613	-7.7	1.00	1.122	12.2
94	T Benzidine	L	ug/ml	5.0	4.874	-2.5	1.00	1.054	5.4
97	T Butyl benzyl phthalate	L	ug/ml	5.0	4.425	-11.5	0.50	0.641	28.2
102	T Parathion	Q	ug/ml	5.0	4.452	-11.0	0.50	0.639	27.8
103	T 3,3'-Dimethylbenzidine	Q	ug/ml	5.0	4.464	-10.7	1.00	1.197	19.7
108	T Bis(2-ethylhexyl)phthalate	L	ug/ml	5.0	4.603	-7.9	0.20	0.277	38.5
109	T Di-n-octylphthalate	L	ug/ml	5.0	4.432	-11.4	0.50	0.638	27.6

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37	T Benzoic Acid	Linear	0.999487	0.000000	0.226856	-0.0661035
66	T 2,4-Dinitrophenol	Linear	0.998554	0.000000	0.150446	-0.0226696
68	T 2,4-Dinitrotoluene	Linear	0.999302	0.000000	0.374966	-0.0264295
76	T 4,6-Dinitro-o-cresol	Linear	0.999080	0.000000	0.198651	-0.027335
94	T Benzidine	Linear	0.999756	0.000000	0.792944	-0.112018
97	T Butyl benzyl phthalate	Linear	0.998015	0.000000	0.506876	-0.045709
102	T Parathion	Quadratic	0.996849	0.002823	0.0783597	-0.00508409
103	T 3,3'-Dimethylbenzidine	Quadratic	0.996137	0.012094	0.667361	-0.139405
108	T Bis(2-ethylhexyl)phthalate	Linear	0.996755	0.000000	0.880051	-0.0385049
109	T Di-n-octylphthalate	Linear	0.997608	0.000000	1.44162	-0.137365

Continuing Calibration

Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	124	0
n-Nitrosodimethylamine	0.659	0.699	-	-6.1	20	119	0
Pyridine	1.237	0.692	-	44.1*	20	68	0
2-Fluorophenol	1.032	1.016	-	1.6	20	115	0
Aniline	1.692	1.67	-	1.3	20	114	0
2-Chlorophenol	1.228	1.22	-	0.7	20	118	0
Phenol-d6	1.268	1.281	-	-1	20	117	0
Phenol	1.412	1.396	-	1.1	20	118	0
Bis(2-chloroethyl)ether	1.193	1.123	-	5.9	20	118	0
1,3-Dichlorobenzene	1.558	1.416	-	9.1	20	113	0
1,4-Dichlorobenzene	1.592	1.457	-	8.5	20	114	0
1,2-Dichlorobenzene	1.528	1.43	-	6.4	20	117	0
Benzyl alcohol	0.928	0.94	-	-1.3	20	120	0
Bis(2-chloroisopropyl)ethe	1.867	1.858	-	0.5	20	123	0
2-Methylphenol	1.04	1.058	-	-1.7	20	121	0
Hexachloroethane	0.584	0.539	-	7.7	20	114	0
n-Nitrosodi-n-propylamine	0.823	0.804	-	2.3	20	116	0
3-Methylphenol/4-Methylphe	1.102	1.152	-	-4.5	20	122	0
Nitrobenzene-d5	1.172	1.178	-	-0.5	20	121	0
Nitrobenzene	1.19	1.205	-	-1.3	20	124	0
Isophorone	2.158	2.127	-	1.4	20	118	0
2-Nitrophenol	0.494	0.619	-	-25.3*	20	146	0
2,4-Dimethylphenol	1.154	1.216	-	-5.4	20	124	0
Bis(2-chloroethoxy)methane	1.45	1.451	-	-0.1	20	123	0
2,4-Dichlorophenol	1.111	1.175	-	-5.8	20	122	0
1,2,4-Trichlorobenzene	1.448	1.329	-	8.2	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	1.054	0.954	-	9.5	20	119	0
Benzoic Acid	5	4.118	-	17.6	20	105	0
4-Chloroaniline	0.12	0.113	-	5.8	20	119	0
Hexachlorobutadiene	0.231	0.197	-	14.7	20	115	0
p-Chloro-m-cresol	0.256	0.27	-	-5.5	20	129	0
2-Methylnaphthalene	0.632	0.597	-	5.5	20	121	0
1-Methylnaphthalene	0.24	0.223	-	7.1	20	120	0
Hexachlorocyclopentadiene	0.244	0.236	-	3.3	20	125	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	125	0
2,4,5-Trichlorophenol	0.23	0.254	-	-10.4	20	134	0
2-Fluorobiphenyl	0.872	0.8	-	8.3	20	121	0
2-Chloronaphthalene	0.734	0.687	-	6.4	20	123	0
2-Nitroaniline	0.159	0.189	-	-18.9	20	146	0
1,4-Dinitrobenzene	0.077	0.101	-	-31.2*	20	165	0
1,3-Dinitrobenzene	0.093	0.112	-	-20.4*	20	150	0
Dimethyl phthalate	0.769	0.795	-	-3.4	20	130	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.089	-	1	20	126	0
2,6-Dinitrotoluene	0.131	0.168	-	-28.2*	20	146	0
1,2-Dinitrobenzene	0.06	0.078	-	-30*	20	158	0
IS1_Acenaphthene-d10	1	1	-	0	20	136	0
3-Nitroaniline	0.246	0.303	-	-23.2*	20	151	0
Acenaphthene	1.144	1.06	-	7.3	20	131	0
2,4-Dinitrophenol	5	5.306	-	-6.1	20	164	0
Dibenzofuran	1.834	1.712	-	6.7	20	129	0
2,4-Dinitrotoluene	5	5.411	-	-8.2	20	154	0
4-Nitrophenol	0.185	0.225	-	-21.6*	20	153	0
2,3,5,6-Tetrachlorophenol	0.304	0.338	-	-11.2	20	140	0
2,3,4,6-Tetrachlorophenol	0.3	0.338	-	-12.7	20	142	0
Diethyl phthalate	1.28	1.274	-	0.5	20	133	0
Fluorene	1.409	1.368	-	2.9	20	131	0
4-Chlorophenyl phenyl ethe	0.719	0.665	-	7.5	20	130	0
4-Nitroaniline	0.246	0.294	-	-19.5	20	159	0
4,6-Dinitro-o-cresol	5	6.143	-	-22.9*	20	187	0
NDPA/DPA	1.112	1.112	-	0	20	131	0
Azobenzene	1.133	1.146	-	-1.1	20	134	0
2,4,6-Tribromophenol	0.152	0.171	-	-12.5	20	141	0
4-Bromophenyl phenyl ether	0.383	0.354	-	7.6	20	127	0
Hexachlorobenzene	0.399	0.381	-	4.5	20	134	0
Pentachlorophenol	0.216	0.237	-	-9.7	20	146	0
IS1_Phenanthrene-d10	1	1	-	0	20	149	0
Phenanthrene	1.146	1.048	-	8.6	20	139	0
Anthracene	1.122	1.041	-	7.2	20	138	0
Carbazole	0.975	0.984	-	-0.9	20	143	0
Di-n-butylphthalate	1.07	1.044	-	2.4	20	136	0
Fluoranthene	1.217	1.202	-	1.2	20	142	0
Benzidine	5	4.829	-	3.4	20	147	0
Pyrene	1.292	1.283	-	0.7	20	142	0
4-Terphenyl-d14	0.865	0.85	-	1.7	20	143	0
Butyl benzyl phthalate	5	4.759	-	4.8	20	161	0
IS1_Chrysene-d12	1	1	-	0	20	167	0
Benzo(a)anthracene	1.367	1.29	-	5.6	20	159	0
3,3'-Dichlorobenzidine	0.436	0.436	-	0	20	165	0
Chrysene	1.352	1.234	-	8.7	20	158	0
Bis(2-ethylhexyl)phthalate	5	4.147	-	17.1	20	150	0
Di-n-octylphthalate	5	4.228	-	15.4	20	159	0
Benzo(b)fluoranthene	1.185	1.148	-	3.1	20	166	0
Benzo(k)fluoranthene	1.199	1.178	-	1.8	20	163	0
Benzo(a)pyrene	1.101	1.057	-	4	20	162	0
IS1_Perylene-d12	1	1	-	0	20	181	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0916
Sample No : WG2115301-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/16/25 07:02
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.14	-	-2.6	20	175	0
Dibenzo(a,h)anthracene	1.154	1.167	-	-1.1	20	172	0
Benzo(ghi)perylene	1.15	1.159	-	-0.8	20	169	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0916
 Sample No : WG2115301-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:52
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
1,4-Dioxane	0.545	0.496	-	9	20	91	0
n-Decane	1.567	1.423	-	9.2	20	87	0
IS3_Acenaphthene-d10	1	1	-	0	20	95	0
Atrazine	0.33	0.365	-	-10.6	20	103	0
IS3_Phenanthrene-d10	1	1	-	0	20	105	0
n-Octadecane	0.441	0.392	-	11.1	20	90	0
Parathion	5	5.065	-	-1.3	20	121	0
3,3'-Dimethylbenzidine	5	4.241	-	15.2	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90916A
 Sample No : WG2115301-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 08:17
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
Benzaldehyde	0.605	0.676	-	-11.7	20	115	0
Acetophenone	1.796	1.783	-	0.7	20	102	0
m-Toluidine	1.129	1.24	-	-9.8	20	114	0
2-Chloroaniline	1.545	1.593	-	-3.1	20	105	0
IS2_Naphthalene-d8	1	1	-	0	20	106	0
a-Terpineol	0.25	0.259	-	-3.6	20	106	0
3-Chloroaniline	0.117	0.124	-	-6	20	102	0
2,6-Dichlorophenol	0.264	0.308	-	-16.7	20	114	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	115	0
Caprolactam	0.125	0.131	-	-4.8	20	115	0
1,2,4,5-Tetrachlorobenzene	0.415	0.407	-	1.9	20	107	0
Biphenyl	0.948	0.945	-	0.3	20	108	0
IS2_Acenaphthene-d10	1	1	-	0	20	110	0
Dichloran	0.145	0.149	-	-2.8	20	131	0
Pentachloronitrobenzene	0.133	0.159	-	-19.5	20	128	0
IS2_Phenanthrene-d10	1	1	-	0	20	121	0
Diphenamid	0.435	0.444	-	-2.1	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
n-Nitrosodimethylamine	0.66	0.638	-	3.3	20	117	0
Pyridine	1.131	0.712	-	37*	20	74	0
2-Fluorophenol	1.106	1.161	-	-5	20	124	0
Aniline	1.738	1.626	-	6.4	20	109	0
2-Chlorophenol	1.332	1.351	-	-1.4	20	120	0
Phenol-d6	1.318	1.355	-	-2.8	20	123	0
Phenol	1.441	1.371	-	4.9	20	115	0
Bis(2-chloroethyl)ether	1.143	1.093	-	4.4	20	117	0
1,3-Dichlorobenzene	1.598	1.561	-	2.3	20	119	0
1,4-Dichlorobenzene	1.634	1.607	-	1.7	20	121	0
1,2-Dichlorobenzene	1.572	1.532	-	2.5	20	121	0
Benzyl alcohol	0.964	0.925	-	4	20	116	0
Bis(2-chloroisopropyl)ethe	1.867	1.756	-	5.9	20	115	0
2-Methylphenol	1.104	1.097	-	0.6	20	119	0
Hexachloroethane	0.602	0.61	-	-1.3	20	121	0
n-Nitrosodi-n-propylamine	0.815	0.804	-	1.3	20	117	0
3-Methylphenol/4-Methylphe	1.207	1.177	-	2.5	20	118	0
Nitrobenzene-d5	1.226	1.242	-	-1.3	20	121	0
Nitrobenzene	1.26	1.251	-	0.7	20	118	0
Isophorone	2.296	2.198	-	4.3	20	114	0
2-Nitrophenol	0.64	0.694	-	-8.4	20	128	0
2,4-Dimethylphenol	1.271	1.264	-	0.6	20	116	0
Bis(2-chloroethoxy)methane	1.546	1.501	-	2.9	20	118	0
2,4-Dichlorophenol	1.17	1.185	-	-1.3	20	118	0
1,2,4-Trichlorobenzene	1.374	1.358	-	1.2	20	121	0
IS1_Naphthalene-d8	1	1	-	0	20	122	0
Naphthalene	1.082	1.044	-	3.5	20	118	0
Benzoic Acid	5	3.799	-	24*	20	103	0
4-Chloroaniline	0.117	0.109	-	6.8	20	109	0
Hexachlorobutadiene	0.2	0.201	-	-0.5	20	122	0
p-Chloro-m-cresol	0.284	0.276	-	2.8	20	116	0
2-Methylnaphthalene	0.641	0.634	-	1.1	20	122	0
1-Methylnaphthalene	0.227	0.223	-	1.8	20	122	0
Hexachlorocyclopentadiene	0.254	0.256	-	-0.8	20	121	0
2,4,6-Trichlorophenol	0.213	0.22	-	-3.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.251	-	-5	20	121	0
2-Fluorobiphenyl	0.821	0.804	-	2.1	20	121	0
2-Chloronaphthalene	0.727	0.702	-	3.4	20	119	0
2-Nitroaniline	0.206	0.221	-	-7.3	20	120	0
1,4-Dinitrobenzene	0.097	0.098	-	-1	20	118	0
1,3-Dinitrobenzene	0.112	0.114	-	-1.8	20	116	0
Dimethyl phthalate	0.857	0.822	-	4.1	20	115	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.157	-	1.1	20	116	0
2,6-Dinitrotoluene	0.167	0.177	-	-6	20	123	0
1,2-Dinitrobenzene	0.073	0.074	-	-1.4	20	114	0
IS1_Acenaphthene-d10	1	1	-	0	20	125	0
3-Nitroaniline	0.342	0.345	-	-0.9	20	118	0
Acenaphthene	1.136	1.055	-	7.1	20	118	0
2,4-Dinitrophenol	0.166	0.119	-	28.3*	20	95	0
Dibenzofuran	1.844	1.721	-	6.7	20	119	0
2,4-Dinitrotoluene	0.385	0.399	-	-3.6	20	117	0
4-Nitrophenol	0.238	0.248	-	-4.2	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.342	-	-0.6	20	117	0
2,3,4,6-Tetrachlorophenol	0.33	0.342	-	-3.6	20	117	0
Diethyl phthalate	1.516	1.384	-	8.7	20	113	0
Fluorene	1.447	1.31	-	9.5	20	115	0
4-Chlorophenyl phenyl ethe	0.688	0.639	-	7.1	20	117	0
4-Nitroaniline	0.337	0.338	-	-0.3	20	116	0
4,6-Dinitro-o-cresol	0.214	0.199	-	7	20	114	0
NDPA/DPA	1.209	1.153	-	4.6	20	117	0
Azobenzene	1.272	1.187	-	6.7	20	113	0
2,4,6-Tribromophenol	0.194	0.204	-	-5.2	20	128	0
4-Bromophenyl phenyl ether	0.424	0.399	-	5.9	20	121	0
Hexachlorobenzene	0.475	0.451	-	5.1	20	123	0
Pentachlorophenol	0.28	0.239	-	14.6	20	109	0
IS1_Phenanthrene-d10	1	1	-	0	20	126	0
Phenanthrene	1.202	1.076	-	10.5	20	116	0
Anthracene	1.178	1.095	-	7	20	117	0
Carbazole	1.081	1.02	-	5.6	20	115	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	119	0
Fluoranthene	1.296	1.224	-	5.6	20	118	0
Benzidine	0.831	0.838	-	-0.8	20	126	0
Pyrene	1.383	1.319	-	4.6	20	119	0
4-Terphenyl-d14	0.982	0.936	-	4.7	20	123	0
Butyl benzyl phthalate	0.529	0.571	-	-7.9	20	128	0
IS1_Chrysene-d12	1	1	-	0	20	129	0
Benzo(a)anthracene	1.349	1.235	-	8.5	20	121	0
3,3'-Dichlorobenzidine	0.464	0.498	-	-7.3	20	130	0
Chrysene	1.336	1.194	-	10.6	20	120	0
Bis(2-ethylhexyl)phthalate	0.846	0.886	-	-4.7	20	126	0
Di-n-octylphthalate	1.419	1.462	-	-3	20	130	0
Benzo(b)fluoranthene	1.278	1.219	-	4.6	20	126	0
Benzo(k)fluoranthene	1.303	1.236	-	5.1	20	119	0
Benzo(a)pyrene	1.197	1.178	-	1.6	20	124	0
IS1_Perylene-d12	1	1	-	0	20	131	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ABN0917
Sample No : WG2116036-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/17/25 09:51
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.067	-	6.5	20	121	0
Dibenzo(a,h)anthracene	1.181	1.118	-	5.3	20	122	0
Benzo(ghi)perylene	1.164	1.085	-	6.8	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90917
 Sample No : WG2116036-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:13
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
Benzaldehyde	0.645	0.553	-	14.3	20	107	0
Acetophenone	1.905	1.537	-	19.3	20	101	0
m-Toluidine	1.123	1.012	-	9.9	20	103	0
2-Chloroaniline	1.724	1.451	-	15.8	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	122	0
a-Terpineol	0.267	0.217	-	18.7	20	99	0
3-Chloroaniline	0.114	0.097	-	14.9	20	96	0
2,6-Dichlorophenol	0.285	0.255	-	10.5	20	107	0
1-chloro-2-nitrobenzene	0.135	0.119	-	11.9	20	107	0
Caprolactam	0.142	0.119	-	16.2	20	98	0
1,2,4,5-Tetrachlorobenzene	0.373	0.3	-	19.6	20	100	0
Biphenyl	0.931	0.735	-	21.1*	20	99	0
IS2_Acenaphthene-d10	1	1	-	0	20	122	0
Dichloran	0.158	0.129	-	18.4	20	98	0
Pentachloronitrobenzene	0.154	0.133	-	13.6	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	119	0
Diphenamid	0.487	0.403	-	17.2	20	94	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ADP0917
 Sample No : WG2116036-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:34
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
1,4-Dioxane	0.477	0.433	-	9.2	20	118	0
n-Decane	1.449	1.281	-	11.6	20	111	0
IS3_Acenaphthene-d10	1	1	-	0	20	125	0
Atrazine	0.372	0.371	-	0.3	20	123	0
IS3_Phenanthrene-d10	1	1	-	0	20	125	0
n-Octadecane	0.48	0.416	-	13.3	20	106	0
Parathion	5	4.144	-	17.1	20	119	0
3,3'-Dimethylbenzidine	5	4.075	-	18.5	20	101	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	135	0
n-Nitrosodimethylamine	0.594	0.581	-	2.2	20	133	0
Pyridine	5	4.372	-	12.6	20	139	0
2-Fluorophenol	0.881	0.967	-	-9.8	20	145	0
Aniline	1.484	1.494	-	-0.7	20	132	0
2-Chlorophenol	1.075	1.163	-	-8.2	20	146	0
Phenol-d6	1.175	1.279	-	-8.9	20	152	0
Phenol	1.351	1.313	-	2.8	20	131	0
Bis(2-chloroethyl)ether	0.968	0.948	-	2.1	20	137	0
1,3-Dichlorobenzene	1.515	1.415	-	6.6	20	131	0
1,4-Dichlorobenzene	1.532	1.444	-	5.7	20	130	0
1,2-Dichlorobenzene	1.467	1.458	-	0.6	20	136	0
Benzyl alcohol	0.829	0.931	-	-12.3	20	152	0
Bis(2-chloroisopropyl)ethe	1.724	1.349	-	21.8*	20	110	0
2-Methylphenol	0.915	0.985	-	-7.7	20	142	0
Hexachloroethane	0.539	0.504	-	6.5	20	131	0
n-Nitrosodi-n-propylamine	0.797	0.804	-	-0.9	20	139	0
3-Methylphenol/4-Methylphe	1.028	1.089	-	-5.9	20	147	0
Nitrobenzene-d5	1.117	1.136	-	-1.7	20	137	0
Nitrobenzene	1.128	1.171	-	-3.8	20	136	0
Isophorone	2.059	2.106	-	-2.3	20	135	0
2-Nitrophenol	0.53	0.609	-	-14.9	20	162	0
2,4-Dimethylphenol	1.061	1.17	-	-10.3	20	144	0
Bis(2-chloroethoxy)methane	1.369	1.283	-	6.3	20	128	0
2,4-Dichlorophenol	1.189	1.289	-	-8.4	20	150	0
1,2,4-Trichlorobenzene	1.494	1.478	-	1.1	20	134	0
IS1_Naphthalene-d8	1	1	-	0	20	139	0
Naphthalene	0.993	0.985	-	0.8	20	142	0
Benzoic Acid	5	8.053	-	-61.1*	20	283	0
4-Chloroaniline	0.127	0.109	-	14.2	20	129	0
Hexachlorobutadiene	0.27	0.221	-	18.1	20	118	0
p-Chloro-m-cresol	0.263	0.288	-	-9.5	20	154	0
2-Methylnaphthalene	0.656	0.673	-	-2.6	20	145	0
1-Methylnaphthalene	0.245	0.238	-	2.9	20	144	0
Hexachlorocyclopentadiene	0.306	0.291	-	4.9	20	129	0
2,4,6-Trichlorophenol	0.28	0.279	-	0.4	20	139	0
2,4,5-Trichlorophenol	0.31	0.341	-	-10	20	149	0
2-Fluorobiphenyl	0.987	0.947	-	4.1	20	136	0
2-Chloronaphthalene	0.81	0.81	-	0	20	141	0
2-Nitroaniline	0.204	0.233	-	-14.2	20	162	0
1,4-Dinitrobenzene	0.103	0.114	-	-10.7	20	156	0
1,3-Dinitrobenzene	0.117	0.128	-	-9.4	20	148	0
Dimethyl phthalate	1.014	0.999	-	1.5	20	136	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.314	-	-3.8	20	141	0
2,6-Dinitrotoluene	0.199	0.203	-	-2	20	144	0
1,2-Dinitrobenzene	0.074	0.076	-	-2.7	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	138	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	153	0
Acenaphthene	1.035	0.972	-	6.1	20	139	0
2,4-Dinitrophenol	0.158	0.137	-	13.3	20	128	0
Dibenzofuran	1.815	1.719	-	5.3	20	140	0
2,4-Dinitrotoluene	0.369	0.392	-	-6.2	20	145	0
4-Nitrophenol	0.204	0.219	-	-7.4	20	149	0
2,3,5,6-Tetrachlorophenol	0.37	0.42	-	-13.5	20	157	0
2,3,4,6-Tetrachlorophenol	0.387	0.397	-	-2.6	20	146	0
Diethyl phthalate	1.394	1.388	-	0.4	20	140	0
Fluorene	1.408	1.383	-	1.8	20	144	0
4-Chlorophenyl phenyl ethe	0.76	0.694	-	8.7	20	131	0
4-Nitroaniline	0.27	0.308	-	-14.1	20	159	0
4,6-Dinitro-o-cresol	0.236	0.231	-	2.1	20	141	0
NDPA/DPA	1.224	1.243	-	-1.6	20	146	0
Azobenzene	1.155	1.104	-	4.4	20	133	0
2,4,6-Tribromophenol	0.229	0.286	-	-24.9*	20	185	0
4-Bromophenyl phenyl ether	0.488	0.436	-	10.7	20	136	0
Hexachlorobenzene	0.564	0.548	-	2.8	20	143	0
Pentachlorophenol	0.306	0.338	-	-10.5	20	159	0
IS1_Phenanthrene-d10	1	1	-	0	20	140	0
Phenanthrene	1.097	1.023	-	6.7	20	140	0
Anthracene	1.058	1.024	-	3.2	20	140	0
Carbazole	0.981	0.972	-	0.9	20	143	0
Di-n-butylphthalate	1.04	1.069	-	-2.8	20	141	0
Fluoranthene	1.319	1.27	-	3.7	20	138	0
Benzidine	0.744	0.863	-	-16	20	164	0
Pyrene	1.411	1.339	-	5.1	20	135	0
4-Terphenyl-d14	1.035	0.972	-	6.1	20	133	0
Butyl benzyl phthalate	0.461	0.484	-	-5	20	152	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.167	-	4	20	129	0
3,3'-Dichlorobenzidine	0.438	0.518	-	-18.3	20	149	0
Chrysene	1.234	1.188	-	3.7	20	134	0
Bis(2-ethylhexyl)phthalate	0.579	0.7	-	-20.9*	20	141	0
Di-n-octylphthalate	1.024	1.181	-	-15.3	20	145	0
Benzo(b)fluoranthene	1.227	1.307	-	-6.5	20	142	0
Benzo(k)fluoranthene	1.227	1.307	-	-6.5	20	138	0
Benzo(a)pyrene	1.119	1.28	-	-14.4	20	147	0
IS1_Perylene-d12	1	1	-	0	20	139	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : DAKOTA
Lab File ID : ABN0917
Sample No : WG2116041-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/17/25 10:42
Init. Calib. Date(s) : 08/20/25 08/20/25
Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.144	-	-2	20	144	0
Dibenzo(a,h)anthracene	1.132	1.16	-	-2.5	20	145	0
Benzo(ghi)perylene	1.145	1.14	-	0.4	20	143	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90917
 Sample No : WG2116041-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 11:05
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	133	0
Benzaldehyde	0.534	0.502	-	6	20	136	0
Acetophenone	1.663	1.348	-	18.9	20	118	0
m-Toluidine	0.957	0.942	-	1.6	20	131	0
2-Chloroaniline	1.447	1.328	-	8.2	20	126	0
IS2_Naphthalene-d8	1	1	-	0	20	141	0
a-Terpineol	0.245	0.191	-	22*	20	116	0
3-Chloroaniline	0.122	0.099	-	18.9	20	121	0
2,6-Dichlorophenol	0.33	0.301	-	8.8	20	134	0
1-chloro-2-nitrobenzene	0.135	0.114	-	15.6	20	125	0
Caprolactam	0.128	0.101	-	21.1*	20	118	0
1,2,4,5-Tetrachlorobenzene	0.495	0.377	-	23.8*	20	115	0
Biphenyl	1.02	0.84	-	17.6	20	124	0
IS2_Acenaphthene-d10	1	1	-	0	20	142	0
Dichloran	0.199	0.145	-	27.1*	20	118	0
Pentachloronitrobenzene	0.197	0.151	-	23.4*	20	117	0
IS2_Phenanthrene-d10	1	1	-	0	20	144	0
Diphenamid	0.486	0.4	-	17.7	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Calibration Date : 09/17/25 11:27
Lab File ID : ADP0917	Init. Calib. Date(s) : 08/20/25 08/20/25
Sample No : WG2116041-5	Init. Calib. Times : 12:47 23:44
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	134	0
1,4-Dioxane	0.411	0.375	-	8.8	20	125	0
n-Decane	1.27	0.912	-	28.2*	20	102	0
IS3_Acenaphthene-d10	1	1	-	0	20	146	0
Atrazine	0.486	0.418	-	14	20	132	0
IS3_Phenanthrene-d10	1	1	-	0	20	148	0
n-Octadecane	0.368	0.268	-	27.2*	20	114	0
Parathion	5	4.91	-	1.8	20	144	0
3,3'-Dimethylbenzidine	5	3.277	-	34.5*	20	99	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
n-Nitrosodimethylamine	0.66	0.8	-	-21.2*	20	133	0
Pyridine	1.131	0.872	-	22.9*	20	82	0
2-Fluorophenol	1.106	1.244	-	-12.5	20	120	0
Aniline	1.738	1.633	-	6	20	99	0
2-Chlorophenol	1.332	1.386	-	-4.1	20	111	0
Phenol-d6	1.318	1.377	-	-4.5	20	113	0
Phenol	1.441	1.406	-	2.4	20	107	0
Bis(2-chloroethyl)ether	1.143	1.104	-	3.4	20	106	0
1,3-Dichlorobenzene	1.598	1.574	-	1.5	20	108	0
1,4-Dichlorobenzene	1.634	1.577	-	3.5	20	107	0
1,2-Dichlorobenzene	1.572	1.527	-	2.9	20	108	0
Benzyl alcohol	0.964	0.913	-	5.3	20	103	0
Bis(2-chloroisopropyl)ethe	1.867	1.527	-	18.2	20	90	0
2-Methylphenol	1.104	1.083	-	1.9	20	106	0
Hexachloroethane	0.602	0.581	-	3.5	20	104	0
n-Nitrosodi-n-propylamine	0.815	0.734	-	9.9	20	96	0
3-Methylphenol/4-Methylphe	1.207	1.129	-	6.5	20	102	0
Nitrobenzene-d5	1.226	1.172	-	4.4	20	103	0
Nitrobenzene	1.26	1.161	-	7.9	20	99	0
Isophorone	2.296	2.205	-	4	20	104	0
2-Nitrophenol	0.64	0.742	-	-15.9	20	124	0
2,4-Dimethylphenol	1.271	1.332	-	-4.8	20	110	0
Bis(2-chloroethoxy)methane	1.546	1.517	-	1.9	20	108	0
2,4-Dichlorophenol	1.17	1.274	-	-8.9	20	115	0
1,2,4-Trichlorobenzene	1.374	1.414	-	-2.9	20	114	0
IS1_Naphthalene-d8	1	1	-	0	20	114	0
Naphthalene	1.082	1.021	-	5.6	20	108	0
Benzoic Acid	5	3.814	-	23.7*	20	97	0
4-Chloroaniline	0.117	0.105	-	10.3	20	97	0
Hexachlorobutadiene	0.2	0.205	-	-2.5	20	116	0
p-Chloro-m-cresol	0.284	0.292	-	-2.8	20	115	0
2-Methylnaphthalene	0.641	0.661	-	-3.1	20	119	0
1-Methylnaphthalene	0.227	0.228	-	-0.4	20	116	0
Hexachlorocyclopentadiene	0.254	0.278	-	-9.4	20	123	0
2,4,6-Trichlorophenol	0.213	0.237	-	-11.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.273	-	-14.2	20	123	0
2-Fluorobiphenyl	0.821	0.835	-	-1.7	20	117	0
2-Chloronaphthalene	0.727	0.738	-	-1.5	20	116	0
2-Nitroaniline	0.206	0.234	-	-13.6	20	119	0
1,4-Dinitrobenzene	0.097	0.107	-	-10.3	20	120	0
1,3-Dinitrobenzene	0.112	0.125	-	-11.6	20	119	0
Dimethyl phthalate	0.857	0.884	-	-3.2	20	116	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.213	-	-3.7	20	114	0
2,6-Dinitrotoluene	0.167	0.185	-	-10.8	20	120	0
1,2-Dinitrobenzene	0.073	0.081	-	-11	20	117	0
IS1_Acenaphthene-d10	1	1	-	0	20	121	0
3-Nitroaniline	0.342	0.341	-	0.3	20	114	0
Acenaphthene	1.136	1.069	-	5.9	20	116	0
2,4-Dinitrophenol	0.166	0.15	-	9.6	20	115	0
Dibenzofuran	1.844	1.734	-	6	20	116	0
2,4-Dinitrotoluene	0.385	0.411	-	-6.8	20	117	0
4-Nitrophenol	0.238	0.256	-	-7.6	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.362	-	-6.5	20	120	0
2,3,4,6-Tetrachlorophenol	0.33	0.35	-	-6.1	20	116	0
Diethyl phthalate	1.516	1.437	-	5.2	20	114	0
Fluorene	1.447	1.338	-	7.5	20	114	0
4-Chlorophenyl phenyl ethe	0.688	0.66	-	4.1	20	117	0
4-Nitroaniline	0.337	0.34	-	-0.9	20	113	0
4,6-Dinitro-o-cresol	0.214	0.234	-	-9.3	20	130	0
NDPA/DPA	1.209	1.152	-	4.7	20	113	0
Azobenzene	1.272	1.181	-	7.2	20	109	0
2,4,6-Tribromophenol	0.194	0.212	-	-9.3	20	129	0
4-Bromophenyl phenyl ether	0.424	0.4	-	5.7	20	118	0
Hexachlorobenzene	0.475	0.454	-	4.4	20	120	0
Pentachlorophenol	0.28	0.249	-	11.1	20	110	0
IS1_Phenanthrene-d10	1	1	-	0	20	124	0
Phenanthrene	1.202	1.074	-	10.6	20	114	0
Anthracene	1.178	1.096	-	7	20	115	0
Carbazole	1.081	1.014	-	6.2	20	112	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	117	0
Fluoranthene	1.296	1.221	-	5.8	20	116	0
Benzidine	0.831	0.817	-	1.7	20	121	0
Pyrene	1.383	1.316	-	4.8	20	117	0
4-Terphenyl-d14	0.982	0.938	-	4.5	20	121	0
Butyl benzyl phthalate	0.529	0.561	-	-6	20	123	0
IS1_Chrysene-d12	1	1	-	0	20	125	0
Benzo(a)anthracene	1.349	1.25	-	7.3	20	119	0
3,3'-Dichlorobenzidine	0.464	0.508	-	-9.5	20	129	0
Chrysene	1.336	1.2	-	10.2	20	117	0
Bis(2-ethylhexyl)phthalate	0.846	0.865	-	-2.2	20	120	0
Di-n-octylphthalate	1.419	1.473	-	-3.8	20	127	0
Benzo(b)fluoranthene	1.278	1.279	-	-0.1	20	129	0
Benzo(k)fluoranthene	1.303	1.202	-	7.8	20	113	0
Benzo(a)pyrene	1.197	1.189	-	0.7	20	121	0
IS1_Perylene-d12	1	1	-	0	20	130	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ABN0918
Sample No : WG2116472-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/18/25 07:46
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.09	-	4.5	20	123	0
Dibenzo(a,h)anthracene	1.181	1.14	-	3.5	20	124	0
Benzo(ghi)perylene	1.164	1.093	-	6.1	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90918
 Sample No : WG2116472-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 08:07
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	119	0
Benzaldehyde	0.645	0.577	-	10.5	20	109	0
Acetophenone	1.905	1.506	-	20.9*	20	96	0
m-Toluidine	1.123	1.023	-	8.9	20	101	0
2-Chloroaniline	1.724	1.445	-	16.2	20	98	0
IS2_Naphthalene-d8	1	1	-	0	20	120	0
a-Terpineol	0.267	0.21	-	21.3*	20	94	0
3-Chloroaniline	0.114	0.098	-	14	20	95	0
2,6-Dichlorophenol	0.285	0.252	-	11.6	20	104	0
1-chloro-2-nitrobenzene	0.135	0.121	-	10.4	20	106	0
Caprolactam	0.142	0.115	-	19	20	93	0
1,2,4,5-Tetrachlorobenzene	0.373	0.315	-	15.5	20	104	0
Biphenyl	0.931	0.74	-	20.5*	20	98	0
IS2_Acenaphthene-d10	1	1	-	0	20	121	0
Dichloran	0.158	0.147	-	7	20	111	0
Pentachloronitrobenzene	0.154	0.147	-	4.5	20	109	0
IS2_Phenanthrene-d10	1	1	-	0	20	122	0
Diphenamid	0.487	0.42	-	13.8	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV106	Calibration Date : 09/18/25 08:29
Lab File ID : ADP0918	Init. Calib. Date(s) : 08/27/25 08/28/25
Sample No : WG2116472-5	Init. Calib. Times : 20:12 06:19
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	126	0
1,4-Dioxane	0.477	0.416	-	12.8	20	116	0
n-Decane	1.449	1.28	-	11.7	20	113	0
IS3_Acenaphthene-d10	1	1	-	0	20	128	0
Atrazine	0.372	0.384	-	-3.2	20	131	0
IS3_Phenanthrene-d10	1	1	-	0	20	130	0
n-Octadecane	0.48	0.426	-	11.2	20	113	0
Parathion	5	4.37	-	12.6	20	132	0
3,3'-Dimethylbenzidine	5	3.904	-	21.9*	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
n-Nitrosodimethylamine	0.792	0.687	-	13.3	20	83	0
Pyridine	1.349	0.723	-	46.4*	20	55	0
2-Fluorophenol	1.105	1.046	-	5.3	20	89	0
Aniline	5	3.882	-	22.4*	20	83	0
2-Chlorophenol	1.287	1.18	-	8.3	20	85	0
Phenol-d6	1.428	1.281	-	10.3	20	83	0
Phenol	1.581	1.444	-	8.7	20	87	0
Bis(2-chloroethyl)ether	1.319	1.125	-	14.7	20	84	0
1,3-Dichlorobenzene	1.573	1.402	-	10.9	20	88	0
1,4-Dichlorobenzene	1.611	1.427	-	11.4	20	87	0
1,2-Dichlorobenzene	1.557	1.381	-	11.3	20	87	0
Benzyl alcohol	1.122	0.955	-	14.9	20	82	0
Bis(2-chloroisopropyl)ethe	2.148	1.727	-	19.6	20	78	0
2-Methylphenol	1.155	1.052	-	8.9	20	85	0
Hexachloroethane	0.596	0.511	-	14.3	20	84	0
n-Nitrosodi-n-propylamine	1.032	0.807	-	21.8*	20	75	0
3-Methylphenol/4-Methylphe	1.27	1.141	-	10.2	20	86	0
Nitrobenzene-d5	1.354	1.239	-	8.5	20	86	0
Nitrobenzene	1.405	1.24	-	11.7	20	84	0
Isophorone	2.849	2.221	-	22*	20	73	0
2-Nitrophenol	5	4.382	-	12.4	20	100	0
2,4-Dimethylphenol	1.51	1.236	-	18.1	20	80	0
Bis(2-chloroethoxy)methane	1.807	1.522	-	15.8	20	80	0
2,4-Dichlorophenol	1.335	1.192	-	10.7	20	86	0
1,2,4-Trichlorobenzene	1.539	1.35	-	12.3	20	87	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.063	0.98	-	7.8	20	85	0
Benzoic Acid	5	3.085	-	38.3*	20	48	0
4-Chloroaniline	0.144	0.127	-	11.8	20	79	0
Hexachlorobutadiene	0.253	0.232	-	8.3	20	85	0
p-Chloro-m-cresol	0.329	0.283	-	14	20	76	0
2-Methylnaphthalene	0.674	0.628	-	6.8	20	85	0
1-Methylnaphthalene	0.269	0.228	-	15.2	20	79	0
Hexachlorocyclopentadiene	5	4.52	-	9.6	20	90	0
2,4,6-Trichlorophenol	5	4.244	-	15.1	20	86	0
2,4,5-Trichlorophenol	5	4.237	-	15.3	20	80	0
2-Fluorobiphenyl	0.927	0.839	-	9.5	20	80	0
2-Chloronaphthalene	0.786	0.715	-	9	20	82	0
2-Nitroaniline	5	4.043	-	19.1	20	85	0
1,4-Dinitrobenzene	0.128	0.106	-	17.2	20	85	0
1,3-Dinitrobenzene	0.145	0.125	-	13.8	20	89	0
Dimethyl phthalate	0.996	0.9	-	9.6	20	78	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.282	1.189	-	7.3	20	79	0
2,6-Dinitrotoluene	5	4.107	-	17.9	20	82	0
1,2-Dinitrobenzene	0.094	0.084	-	10.6	20	90	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	5	4.254	-	14.9	20	80	0
Acenaphthene	1.102	1.024	-	7.1	20	81	0
2,4-Dinitrophenol	5	3.852	-	23*	20	72	0
Dibenzofuran	1.833	1.733	-	5.5	20	80	0
2,4-Dinitrotoluene	5	4.624	-	7.5	20	88	0
4-Nitrophenol	5	4.252	-	15	20	76	0
2,3,5,6-Tetrachlorophenol	5	4.361	-	12.8	20	82	0
2,3,4,6-Tetrachlorophenol	5	4.288	-	14.2	20	78	0
Diethyl phthalate	1.565	1.414	-	9.6	20	75	0
Fluorene	1.489	1.373	-	7.8	20	78	0
4-Chlorophenyl phenyl ethe	0.783	0.711	-	9.2	20	80	0
4-Nitroaniline	5	4.242	-	15.2	20	78	0
4,6-Dinitro-o-cresol	5	4.413	-	11.7	20	85	0
NDPA/DPA	1.246	1.19	-	4.5	20	80	0
Azobenzene	1.371	1.235	-	9.9	20	72	0
2,4,6-Tribromophenol	0.254	0.244	-	3.9	20	83	0
4-Bromophenyl phenyl ether	0.512	0.46	-	10.2	20	77	0
Hexachlorobenzene	0.607	0.541	-	10.9	20	79	0
Pentachlorophenol	5	4.673	-	6.5	20	91	0
IS1_Phenanthrene-d10	1	1	-	0	20	92	0
Phenanthrene	1.099	1.039	-	5.5	20	80	0
Anthracene	1.091	1.061	-	2.7	20	80	0
Carbazole	0.993	0.963	-	3	20	78	0
Di-n-butylphthalate	1.164	1.109	-	4.7	20	75	0
Fluoranthene	1.329	1.263	-	5	20	77	0
Benzidine	5	4.422	-	11.6	20	77	0
Pyrene	1.367	1.336	-	2.3	20	78	0
4-Terphenyl-d14	1.068	1.018	-	4.7	20	79	0
Butyl benzyl phthalate	5	4.323	-	13.5	20	80	0
IS1_Chrysene-d12	1	1	-	0	20	93	0
Benzo(a)anthracene	1.308	1.21	-	7.5	20	79	0
3,3'-Dichlorobenzidine	0.473	0.447	-	5.5	20	75	0
Chrysene	1.216	1.17	-	3.8	20	80	0
Bis(2-ethylhexyl)phthalate	5	4.21	-	15.8	20	76	0
Di-n-octylphthalate	5	3.913	-	21.7*	20	76	0
Benzo(b)fluoranthene	1.283	1.311	-	-2.2	20	88	0
Benzo(k)fluoranthene	1.251	1.105	-	11.7	20	70	0
Benzo(a)pyrene	1.188	1.116	-	6.1	20	77	0
IS1_Perylene-d12	1	1	-	0	20	93	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV112
Lab File ID : ABN0928
Sample No : WG2120745-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 17:46
Init. Calib. Date(s) : 08/17/25 08/18/25
Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.105	1.13	-	-2.3	20	84	0
Dibenzo(a,h)anthracene	1.064	1.082	-	-1.7	20	82	0
Benzo(ghi)perylene	1.105	1.085	-	1.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : AP90928
 Sample No : WG2120745-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:09
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
Benzaldehyde	0.597	0.984	-	-64.8*	20	163	0
Acetophenone	1.98	1.731	-	12.6	20	86	0
m-Toluidine	1.191	1.473	-	-23.7*	20	115	0
2-Chloroaniline	1.688	1.55	-	8.2	20	88	0
IS2_Naphthalene-d8	1	1	-	0	20	89	0
a-Terpineol	0.298	0.305	-	-2.3	20	94	0
3-Chloroaniline	0.138	0.151	-	-9.4	20	99	0
2,6-Dichlorophenol	0.282	0.319	-	-13.1	20	99	0
1-chloro-2-nitrobenzene	0.137	0.141	-	-2.9	20	93	0
Caprolactam	0.177	0.153	-	13.6	20	79	0
1,2,4,5-Tetrachlorobenzene	0.443	0.425	-	4.1	20	89	0
Biphenyl	0.978	0.915	-	6.4	20	87	0
IS2_Acenaphthene-d10	1	1	-	0	20	86	0
Dichloran	0.179	0.192	-	-7.3	20	99	0
Pentachloronitrobenzene	0.205	0.208	-	-1.5	20	92	0
IS2_Phenanthrene-d10	1	1	-	0	20	86	0
Diphenamid	0.494	0.478	-	3.2	20	85	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ADP0928
 Sample No : WG2120745-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:31
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	105	0
1,4-Dioxane	0.546	0.465	-	14.8	20	97	0
n-Decane	1.602	1.494	-	6.7	20	99	0
IS3_Acenaphthene-d10	1	1	-	0	20	88	0
Atrazine	0.463	0.429	-	7.3	20	80	0
IS3_Phenanthrene-d10	1	1	-	0	20	84	0
n-Octadecane	0.496	0.435	-	12.3	20	74	0
Parathion	0.106	0.091	-	14.2	20	77	0
3,3'-Dimethylbenzidine	0.737	0.592	-	19.7	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	128	0
n-Nitrosodimethylamine	0.594	0.512	-	13.8	20	111	0
Pyridine	5	3.261	-	34.8*	20	97	0
2-Fluorophenol	0.881	0.827	-	6.1	20	118	0
Aniline	1.484	1.336	-	10	20	112	0
2-Chlorophenol	1.075	1.088	-	-1.2	20	129	0
Phenol-d6	1.175	1.084	-	7.7	20	122	0
Phenol	1.351	1.181	-	12.6	20	112	0
Bis(2-chloroethyl)ether	0.968	0.811	-	16.2	20	111	0
1,3-Dichlorobenzene	1.515	1.373	-	9.4	20	120	0
1,4-Dichlorobenzene	1.532	1.408	-	8.1	20	120	0
1,2-Dichlorobenzene	1.467	1.396	-	4.8	20	123	0
Benzyl alcohol	0.829	0.838	-	-1.1	20	130	0
Bis(2-chloroisopropyl)ethe	1.724	1.05	-	39.1*	20	81	0
2-Methylphenol	0.915	0.908	-	0.8	20	125	0
Hexachloroethane	0.539	0.502	-	6.9	20	124	0
n-Nitrosodi-n-propylamine	0.797	0.735	-	7.8	20	120	0
3-Methylphenol/4-Methylphe	1.028	1.003	-	2.4	20	129	0
Nitrobenzene-d5	1.117	1.094	-	2.1	20	125	0
Nitrobenzene	1.128	1.053	-	6.6	20	116	0
Isophorone	2.059	1.916	-	6.9	20	117	0
2-Nitrophenol	0.53	0.633	-	-19.4	20	160	0
2,4-Dimethylphenol	1.061	1.136	-	-7.1	20	133	0
Bis(2-chloroethoxy)methane	1.369	1.153	-	15.8	20	110	0
2,4-Dichlorophenol	1.189	1.272	-	-7	20	141	0
1,2,4-Trichlorobenzene	1.494	1.504	-	-0.7	20	130	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	0.993	0.934	-	5.9	20	125	0
Benzoic Acid	5	5.504	-	-10.1	20	170	0
4-Chloroaniline	0.127	0.103	-	18.9	20	113	0
Hexachlorobutadiene	0.27	0.246	-	8.9	20	122	0
p-Chloro-m-cresol	0.263	0.267	-	-1.5	20	133	0
2-Methylnaphthalene	0.656	0.659	-	-0.5	20	132	0
1-Methylnaphthalene	0.245	0.24	-	2	20	135	0
Hexachlorocyclopentadiene	0.306	0.327	-	-6.9	20	135	0
2,4,6-Trichlorophenol	0.28	0.302	-	-7.9	20	140	0
2,4,5-Trichlorophenol	0.31	0.333	-	-7.4	20	136	0
2-Fluorobiphenyl	0.987	0.943	-	4.5	20	126	0
2-Chloronaphthalene	0.81	0.817	-	-0.9	20	132	0
2-Nitroaniline	0.204	0.226	-	-10.8	20	146	0
1,4-Dinitrobenzene	0.103	0.119	-	-15.5	20	151	0
1,3-Dinitrobenzene	0.117	0.135	-	-15.4	20	145	0
Dimethyl phthalate	1.014	1.016	-	-0.2	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.291	-	-2	20	129	0
2,6-Dinitrotoluene	0.199	0.21	-	-5.5	20	138	0
1,2-Dinitrobenzene	0.074	0.082	-	-10.8	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	128	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	142	0
Acenaphthene	1.035	0.964	-	6.9	20	128	0
2,4-Dinitrophenol	0.158	0.172	-	-8.9	20	149	0
Dibenzofuran	1.815	1.71	-	5.8	20	128	0
2,4-Dinitrotoluene	0.369	0.418	-	-13.3	20	143	0
4-Nitrophenol	0.204	0.244	-	-19.6	20	154	0
2,3,5,6-Tetrachlorophenol	0.37	0.41	-	-10.8	20	142	0
2,3,4,6-Tetrachlorophenol	0.387	0.406	-	-4.9	20	138	0
Diethyl phthalate	1.394	1.394	-	0	20	130	0
Fluorene	1.408	1.398	-	0.7	20	134	0
4-Chlorophenyl phenyl ethe	0.76	0.71	-	6.6	20	124	0
4-Nitroaniline	0.27	0.307	-	-13.7	20	147	0
4,6-Dinitro-o-cresol	0.236	0.27	-	-14.4	20	152	0
NDPA/DPA	1.224	1.207	-	1.4	20	131	0
Azobenzene	1.155	1.03	-	10.8	20	115	0
2,4,6-Tribromophenol	0.229	0.302	-	-31.9*	20	181	0
4-Bromophenyl phenyl ether	0.488	0.457	-	6.4	20	132	0
Hexachlorobenzene	0.564	0.586	-	-3.9	20	142	0
Pentachlorophenol	0.306	0.362	-	-18.3	20	158	0
IS1_Phenanthrene-d10	1	1	-	0	20	132	0
Phenanthrene	1.097	1.005	-	8.4	20	130	0
Anthracene	1.058	1.031	-	2.6	20	133	0
Carbazole	0.981	0.962	-	1.9	20	134	0
Di-n-butylphthalate	1.04	1.072	-	-3.1	20	133	0
Fluoranthene	1.319	1.266	-	4	20	130	0
Benzidine	0.744	0.76	-	-2.2	20	136	0
Pyrene	1.411	1.344	-	4.7	20	128	0
4-Terphenyl-d14	1.035	1.012	-	2.2	20	131	0
Butyl benzyl phthalate	0.461	0.502	-	-8.9	20	149	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.184	-	2.6	20	130	0
3,3'-Dichlorobenzidine	0.438	0.477	-	-8.9	20	136	0
Chrysene	1.234	1.156	-	6.3	20	129	0
Bis(2-ethylhexyl)phthalate	0.579	0.683	-	-18	20	137	0
Di-n-octylphthalate	1.024	1.168	-	-14.1	20	142	0
Benzo(b)fluoranthene	1.227	1.318	-	-7.4	20	143	0
Benzo(k)fluoranthene	1.227	1.282	-	-4.5	20	135	0
Benzo(a)pyrene	1.119	1.198	-	-7.1	20	136	0
IS1_Perylene-d12	1	1	-	0	20	140	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.105	-	1.5	20	141	0
Dibenzo(a,h)anthracene	1.132	1.115	-	1.5	20	141	0
Benzo(ghi)perylene	1.145	1.159	-	-1.2	20	147	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90928A
 Sample No : WG2120752-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:55
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	136	0
Benzaldehyde	0.534	0.818	-	-53.2*	20	227	0
Acetophenone	1.663	1.562	-	6.1	20	140	0
m-Toluidine	0.957	1.326	-	-38.6*	20	188	0
2-Chloroaniline	1.447	1.49	-	-3	20	144	0
IS2_Naphthalene-d8	1	1	-	0	20	145	0
a-Terpineol	0.245	0.203	-	17.1	20	128	0
3-Chloroaniline	0.122	0.119	-	2.5	20	149	0
2,6-Dichlorophenol	0.33	0.359	-	-8.8	20	165	0
1-chloro-2-nitrobenzene	0.135	0.134	-	0.7	20	151	0
Caprolactam	0.128	0.102	-	20.3*	20	123	0
1,2,4,5-Tetrachlorobenzene	0.495	0.46	-	7.1	20	145	0
Biphenyl	1.02	0.971	-	4.8	20	148	0
IS2_Acenaphthene-d10	1	1	-	0	20	143	0
Dichloran	0.199	0.2	-	-0.5	20	163	0
Pentachloronitrobenzene	0.197	0.211	-	-7.1	20	164	0
IS2_Phenanthrene-d10	1	1	-	0	20	143	0
Diphenamid	0.486	0.5	-	-2.9	20	161	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
n-Nitrosodimethylamine	0.659	0.692	-	-5	20	89	0
Pyridine	1.237	0.667	-	46.1*	20	49	0
2-Fluorophenol	1.032	1.038	-	-0.6	20	89	0
Aniline	1.692	1.612	-	4.7	20	83	0
2-Chlorophenol	1.228	1.177	-	4.2	20	86	0
Phenol-d6	1.268	1.241	-	2.1	20	85	0
Phenol	1.412	1.424	-	-0.8	20	91	0
Bis(2-chloroethyl)ether	1.193	1.114	-	6.6	20	88	0
1,3-Dichlorobenzene	1.558	1.413	-	9.3	20	85	0
1,4-Dichlorobenzene	1.592	1.461	-	8.2	20	86	0
1,2-Dichlorobenzene	1.528	1.395	-	8.7	20	86	0
Benzyl alcohol	0.928	0.891	-	4	20	86	0
Bis(2-chloroisopropyl)ethe	1.867	1.818	-	2.6	20	91	0
2-Methylphenol	1.04	1.031	-	0.9	20	89	0
Hexachloroethane	0.584	0.514	-	12	20	82	0
n-Nitrosodi-n-propylamine	0.823	0.783	-	4.9	20	85	0
3-Methylphenol/4-Methylphe	1.102	1.115	-	-1.2	20	89	0
Nitrobenzene-d5	1.172	1.194	-	-1.9	20	92	0
Nitrobenzene	1.19	1.207	-	-1.4	20	93	0
Isophorone	2.158	2.11	-	2.2	20	88	0
2-Nitrophenol	0.494	0.593	-	-20	20	106	0
2,4-Dimethylphenol	1.154	1.198	-	-3.8	20	92	0
Bis(2-chloroethoxy)methane	1.45	1.415	-	2.4	20	90	0
2,4-Dichlorophenol	1.111	1.097	-	1.3	20	86	0
1,2,4-Trichlorobenzene	1.448	1.246	-	14	20	82	0
IS1_Naphthalene-d8	1	1	-	0	20	93	0
Naphthalene	1.054	0.971	-	7.9	20	87	0
Benzoic Acid	5	4.41	-	11.8	20	83	0
4-Chloroaniline	0.12	0.122	-	-1.7	20	92	0
Hexachlorobutadiene	0.231	0.195	-	15.6	20	82	0
p-Chloro-m-cresol	0.256	0.269	-	-5.1	20	93	0
2-Methylnaphthalene	0.632	0.606	-	4.1	20	89	0
1-Methylnaphthalene	0.24	0.208	-	13.3	20	81	0
Hexachlorocyclopentadiene	0.244	0.244	-	0	20	93	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	90	0
2,4,5-Trichlorophenol	0.23	0.247	-	-7.4	20	94	0
2-Fluorobiphenyl	0.872	0.779	-	10.7	20	85	0
2-Chloronaphthalene	0.734	0.659	-	10.2	20	85	0
2-Nitroaniline	0.159	0.181	-	-13.8	20	101	0
1,4-Dinitrobenzene	0.077	0.095	-	-23.4*	20	111	0
1,3-Dinitrobenzene	0.093	0.11	-	-18.3	20	105	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	90	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.063	-	3.4	20	88	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	101	0
1,2-Dinitrobenzene	0.06	0.074	-	-23.3*	20	108	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	0.246	0.287	-	-16.7	20	99	0
Acenaphthene	1.144	1.049	-	8.3	20	89	0
2,4-Dinitrophenol	5	5.319	-	-6.4	20	114	0
Dibenzofuran	1.834	1.671	-	8.9	20	87	0
2,4-Dinitrotoluene	5	5.298	-	-6	20	104	0
4-Nitrophenol	0.185	0.218	-	-17.8	20	103	0
2,3,5,6-Tetrachlorophenol	0.304	0.33	-	-8.6	20	95	0
2,3,4,6-Tetrachlorophenol	0.3	0.318	-	-6	20	92	0
Diethyl phthalate	1.28	1.252	-	2.2	20	91	0
Fluorene	1.409	1.324	-	6	20	88	0
4-Chlorophenyl phenyl ethe	0.719	0.649	-	9.7	20	87	0
4-Nitroaniline	0.246	0.257	-	-4.5	20	96	0
4,6-Dinitro-o-cresol	5	5.867	-	-17.3	20	123	0
NDPA/DPA	1.112	1.095	-	1.5	20	90	0
Azobenzene	1.133	1.15	-	-1.5	20	93	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	87	0
4-Bromophenyl phenyl ether	0.383	0.331	-	13.6	20	82	0
Hexachlorobenzene	0.399	0.347	-	13	20	85	0
Pentachlorophenol	0.216	0.201	-	6.9	20	86	0
IS1_Phenanthrene-d10	1	1	-	0	20	94	0
Phenanthrene	1.146	1.063	-	7.2	20	89	0
Anthracene	1.122	1.075	-	4.2	20	90	0
Carbazole	0.975	0.935	-	4.1	20	86	0
Di-n-butylphthalate	1.07	1.101	-	-2.9	20	91	0
Fluoranthene	1.217	1.154	-	5.2	20	86	0
Benzidine	5	4.315	-	13.7	20	82	0
Pyrene	1.292	1.202	-	7	20	84	0
4-Terphenyl-d14	0.865	0.775	-	10.4	20	83	0
Butyl benzyl phthalate	5	4.552	-	9	20	97	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.304	-	4.6	20	83	0
3,3'-Dichlorobenzidine	0.436	0.407	-	6.7	20	79	0
Chrysene	1.352	1.286	-	4.9	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.82	-	3.6	20	90	0
Di-n-octylphthalate	5	4.589	-	8.2	20	89	0
Benzo(b)fluoranthene	1.185	1.073	-	9.5	20	80	0
Benzo(k)fluoranthene	1.199	1.063	-	11.3	20	75	0
Benzo(a)pyrene	1.101	0.971	-	11.8	20	77	0
IS1_Perylene-d12	1	1	-	0	20	87	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0928
Sample No : WG2120753-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 19:00
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.109	-	0.2	20	82	0
Dibenzo(a,h)anthracene	1.154	1.132	-	1.9	20	81	0
Benzo(ghi)perylene	1.15	1.146	-	0.3	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Calibration Date : 09/28/25 19:18
Lab File ID : ADP0928	Init. Calib. Date(s) : 08/20/25 08/20/25
Sample No : WG2120752-5	Init. Calib. Times : 12:47 23:44
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	118	0
1,4-Dioxane	0.411	0.366	-	10.9	20	108	0
n-Decane	1.27	0.872	-	31.3*	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	131	0
Atrazine	0.486	0.432	-	11.1	20	122	0
IS3_Phenanthrene-d10	1	1	-	0	20	135	0
n-Octadecane	0.368	0.238	-	35.3*	20	93	0
Parathion	5	5.216	-	-4.3	20	140	0
3,3'-Dimethylbenzidine	5	3.238	-	35.2*	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90928
 Sample No : WG2120753-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:25
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
Benzaldehyde	0.605	0.929	-	-53.6*	20	162	0
Acetophenone	1.796	1.649	-	8.2	20	97	0
m-Toluidine	1.129	1.422	-	-26*	20	133	0
2-Chloroaniline	1.545	1.525	-	1.3	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	104	0
a-Terpineol	0.25	0.305	-	-22*	20	124	0
3-Chloroaniline	0.117	0.137	-	-17.1	20	112	0
2,6-Dichlorophenol	0.264	0.291	-	-10.2	20	107	0
1-chloro-2-nitrobenzene	0.124	0.133	-	-7.3	20	112	0
Caprolactam	0.125	0.146	-	-16.8	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.364	-	12.3	20	95	0
Biphenyl	0.948	0.859	-	9.4	20	97	0
IS2_Acenaphthene-d10	1	1	-	0	20	102	0
Dichloran	0.145	0.14	-	3.4	20	113	0
Pentachloronitrobenzene	0.133	0.139	-	-4.5	20	103	0
IS2_Phenanthrene-d10	1	1	-	0	20	100	0
Diphenamid	0.435	0.43	-	1.1	20	93	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0928
 Sample No : WG2120753-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:50
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	86	0
1,4-Dioxane	0.545	0.494	-	9.4	20	85	0
n-Decane	1.567	1.729	-	-10.3	20	100	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.33	0.354	-	-7.3	20	90	0
IS3_Phenanthrene-d10	1	1	-	0	20	85	0
n-Octadecane	0.441	0.539	-	-22.2*	20	101	0
Parathion	5	5.725	-	-14.5	20	112	0
3,3'-Dimethylbenzidine	5	3.591	-	28.2*	20	64	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	82	0
n-Nitrosodimethylamine	0.659	0.72	-	-9.3	20	82	0
Pyridine	1.237	0.748	-	39.5*	20	49	0
2-Fluorophenol	1.032	1.043	-	-1.1	20	79	0
Aniline	1.692	1.68	-	0.7	20	76	0
2-Chlorophenol	1.228	1.208	-	1.6	20	78	0
Phenol-d6	1.268	1.312	-	-3.5	20	80	0
Phenol	1.412	1.48	-	-4.8	20	84	0
Bis(2-chloroethyl)ether	1.193	1.133	-	5	20	79	0
1,3-Dichlorobenzene	1.558	1.449	-	7	20	77	0
1,4-Dichlorobenzene	1.592	1.479	-	7.1	20	77	0
1,2-Dichlorobenzene	1.528	1.403	-	8.2	20	77	0
Benzyl alcohol	0.928	0.959	-	-3.3	20	81	0
Bis(2-chloroisopropyl)ethe	1.867	1.944	-	-4.1	20	86	0
2-Methylphenol	1.04	1.088	-	-4.6	20	83	0
Hexachloroethane	0.584	0.534	-	8.6	20	75	0
n-Nitrosodi-n-propylamine	0.823	0.818	-	0.6	20	79	0
3-Methylphenol/4-Methylphe	1.102	1.137	-	-3.2	20	80	0
Nitrobenzene-d5	1.172	1.245	-	-6.2	20	85	0
Nitrobenzene	1.19	1.262	-	-6.1	20	86	0
Isophorone	2.158	2.184	-	-1.2	20	81	0
2-Nitrophenol	0.494	0.614	-	-24.3*	20	97	0
2,4-Dimethylphenol	1.154	1.195	-	-3.6	20	81	0
Bis(2-chloroethoxy)methane	1.45	1.403	-	3.2	20	79	0
2,4-Dichlorophenol	1.111	1.1	-	1	20	76	0
1,2,4-Trichlorobenzene	1.448	1.271	-	12.2	20	74	0
IS1_Naphthalene-d8	1	1	-	0	20	84	0
Naphthalene	1.054	0.973	-	7.7	20	79	0
Benzoic Acid	5	4.088	-	18.2	20	67	0
4-Chloroaniline	0.12	0.126	-	-5	20	85	0
Hexachlorobutadiene	0.231	0.199	-	13.9	20	75	0
p-Chloro-m-cresol	0.256	0.274	-	-7	20	85	0
2-Methylnaphthalene	0.632	0.592	-	6.3	20	78	0
1-Methylnaphthalene	0.24	0.207	-	13.8	20	72	0
Hexachlorocyclopentadiene	0.244	0.233	-	4.5	20	80	0
2,4,6-Trichlorophenol	0.214	0.228	-	-6.5	20	80	0
2,4,5-Trichlorophenol	0.23	0.25	-	-8.7	20	85	0
2-Fluorobiphenyl	0.872	0.766	-	12.2	20	75	0
2-Chloronaphthalene	0.734	0.65	-	11.4	20	75	0
2-Nitroaniline	0.159	0.188	-	-18.2	20	94	0
1,4-Dinitrobenzene	0.077	0.099	-	-28.6*	20	105	0
1,3-Dinitrobenzene	0.093	0.113	-	-21.5*	20	98	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.066	-	3.1	20	79	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	90	0
1,2-Dinitrobenzene	0.06	0.075	-	-25*	20	98	0
IS1_Acenaphthene-d10	1	1	-	0	20	82	0
3-Nitroaniline	0.246	0.299	-	-21.5*	20	90	0
Acenaphthene	1.144	1.066	-	6.8	20	80	0
2,4-Dinitrophenol	5	6.285	-	-25.7*	20	120	0
Dibenzofuran	1.834	1.715	-	6.5	20	79	0
2,4-Dinitrotoluene	5	5.542	-	-10.8	20	96	0
4-Nitrophenol	0.185	0.243	-	-31.4*	20	100	0
2,3,5,6-Tetrachlorophenol	0.304	0.331	-	-8.9	20	83	0
2,3,4,6-Tetrachlorophenol	0.3	0.327	-	-9	20	83	0
Diethyl phthalate	1.28	1.238	-	3.3	20	79	0
Fluorene	1.409	1.331	-	5.5	20	77	0
4-Chlorophenyl phenyl ethe	0.719	0.658	-	8.5	20	78	0
4-Nitroaniline	0.246	0.284	-	-15.4	20	93	0
4,6-Dinitro-o-cresol	5	6.438	-	-28.8*	20	119	0
NDPA/DPA	1.112	1.109	-	0.3	20	79	0
Azobenzene	1.133	1.198	-	-5.7	20	85	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	76	0
4-Bromophenyl phenyl ether	0.383	0.344	-	10.2	20	75	0
Hexachlorobenzene	0.399	0.351	-	12	20	75	0
Pentachlorophenol	0.216	0.216	-	0	20	81	0
IS1_Phenanthrene-d10	1	1	-	0	20	85	0
Phenanthrene	1.146	1.092	-	4.7	20	83	0
Anthracene	1.122	1.095	-	2.4	20	83	0
Carbazole	0.975	0.959	-	1.6	20	80	0
Di-n-butylphthalate	1.07	1.054	-	1.5	20	79	0
Fluoranthene	1.217	1.186	-	2.5	20	80	0
Benzidine	5	4.494	-	10.1	20	77	0
Pyrene	1.292	1.273	-	1.5	20	80	0
4-Terphenyl-d14	0.865	0.791	-	8.6	20	76	0
Butyl benzyl phthalate	5	4.681	-	6.4	20	90	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.313	-	4	20	84	0
3,3'-Dichlorobenzidine	0.436	0.415	-	4.8	20	81	0
Chrysene	1.352	1.279	-	5.4	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.277	-	14.5	20	80	0
Di-n-octylphthalate	5	4.489	-	10.2	20	88	0
Benzo(b)fluoranthene	1.185	1.187	-	-0.2	20	89	0
Benzo(k)fluoranthene	1.199	1.195	-	0.3	20	85	0
Benzo(a)pyrene	1.101	1.109	-	-0.7	20	88	0
IS1_Perylene-d12	1	1	-	0	20	98	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0929
Sample No : WG2121049-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/29/25 12:24
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.08	-	2.8	20	90	0
Dibenzo(a,h)anthracene	1.154	1.088	-	5.7	20	87	0
Benzo(ghi)perylene	1.15	1.106	-	3.8	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90929
 Sample No : WG2121049-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:49
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	101	0
Benzaldehyde	0.605	0.952	-	-57.4*	20	158	0
Acetophenone	1.796	1.651	-	8.1	20	93	0
m-Toluidine	1.129	1.421	-	-25.9*	20	127	0
2-Chloroaniline	1.545	1.51	-	2.3	20	97	0
IS2_Naphthalene-d8	1	1	-	0	20	99	0
a-Terpineol	0.25	0.309	-	-23.6*	20	118	0
3-Chloroaniline	0.117	0.145	-	-23.9*	20	112	0
2,6-Dichlorophenol	0.264	0.296	-	-12.1	20	103	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	108	0
Caprolactam	0.125	0.155	-	-24*	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.37	-	10.8	20	91	0
Biphenyl	0.948	0.845	-	10.9	20	90	0
IS2_Acenaphthene-d10	1	1	-	0	20	97	0
Dichloran	0.145	0.146	-	-0.7	20	113	0
Pentachloronitrobenzene	0.133	0.14	-	-5.3	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	94	0
Diphenamid	0.435	0.433	-	0.5	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0929
 Sample No : WG2121049-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 13:14
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	75	0
1,4-Dioxane	0.545	0.522	-	4.2	20	79	0
n-Decane	1.567	1.708	-	-9	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	75	0
Atrazine	0.33	0.353	-	-7	20	79	0
IS3_Phenanthrene-d10	1	1	-	0	20	75	0
n-Octadecane	0.441	0.466	-	-5.7	20	77	0
Parathion	5	5.458	-	-9.2	20	94	0
3,3'-Dimethylbenzidine	5	4.145	-	17.1	20	69	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250916\
 Data File : ABN0916.D
 Acq On : 16 Sep 2025 7:02 am
 Operator : SV107:smz
 Sample : WG2115301-3,32,,ABN 11823 gmr0814A
 Misc : WG2115301,,ical22592
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 16 07:52:40 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 07:53:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	124	0.00
2 t	n-Nitrosodimethylamine	0.659	0.699	-6.1	119	0.00
3 t	Pyridine	1.237	0.692	44.1#	68	0.00
4 S	2-Fluorophenol	1.032	1.016	1.6	115	0.00
5 T	Aniline	1.692	1.670	1.3	114	0.00
6 t	2-Chlorophenol	1.228	1.220	0.7	118	0.00
7 S	Phenol-d6	1.268	1.281	-1.0	117	0.00
8 T	Phenol	1.412	1.396	1.1	118	0.00
9 T	Bis(2-chloroethyl)ether	1.193	1.123	5.9	118	0.00
10 T	1,3-Dichlorobenzene	1.558	1.416	9.1	113	0.00
11 T	1,4-Dichlorobenzene	1.592	1.457	8.5	114	0.00
12 T	1,2-Dichlorobenzene	1.528	1.430	6.4	117	0.00
13 t	Benzyl alcohol	0.928	0.940	-1.3	120	0.00
14 T	Bis(2-chloroisopropyl)ether	1.867	1.858	0.5	123	0.00
15 T	2-Methylphenol	1.040	1.058	-1.7	121	0.00
16 T	Hexachloroethane	0.584	0.539	7.7	114	0.00
17 T	n-Nitrosodi-n-propylamine	0.823	0.804	2.3	116	0.00
18 T	3-Methylphenol/4-Methylphen	1.102	1.152	-4.5	122	0.00
19 S	Nitrobenzene-d5	1.172	1.178	-0.5	121	0.00
20 T	Nitrobenzene	1.190	1.205	-1.3	124	0.00
21 T	Isophorone	2.158	2.127	1.4	118	0.00
22 T	2-Nitrophenol	0.494	0.619	-25.3#	146	0.00
23 T	2,4-Dimethylphenol	1.154	1.216	-5.4	124	0.00
24 T	Bis(2-chloroethoxy)methane	1.450	1.451	-0.1	123	0.00
25 T	2,4-Dichlorophenol	1.111	1.175	-5.8	122	0.00
26 T	1,2,4-Trichlorobenzene	1.448	1.329	8.2	117	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	129	0.00
36 T	Naphthalene	1.054	0.954	9.5	119	0.00
37 T	Benzoic Acid	* 5.000	4.118	17.6	105	0.00
38 T	4-Chloroaniline	0.120	0.113	5.8	119	0.00
39 T	Hexachlorobutadiene	0.231	0.197	14.7	115	0.00
40 T	p-Chloro-m-cresol	0.256	0.270	-5.5	129	0.00
41 T	2-Methylnaphthalene	0.632	0.597	5.5	121	0.00
42 T	1-Methylnaphthalene	0.240	0.223	7.1	120	0.00
43 T	Hexachlorocyclopentadiene	0.244	0.236	3.3	125	0.00
44 T	2,4,6-Trichlorophenol	0.214	0.230	-7.5	125	0.00
45 T	2,4,5-Trichlorophenol	0.230	0.254	-10.4	134	0.00
46 S	2-Fluorobiphenyl	0.872	0.800	8.3	121	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250916\
 Data File : ABN0916.D
 Acq On : 16 Sep 2025 7:02 am
 Operator : SV107:smz
 Sample : WG2115301-3,32,,ABN 11823 gmr0814A
 Misc : WG2115301,,ical22592
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 16 07:52:40 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 07:53:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.734	0.687	6.4	123	0.00
48 T	2-Nitroaniline	0.159	0.189	-18.9	146	0.00
49 T	1,4-Dinitrobenzene	0.077	0.101	-31.2#	165	0.00
50 T	1,3-Dinitrobenzene	0.093	0.112	-20.4#	150	0.00
51 T	Dimethyl phthalate	0.769	0.795	-3.4	130	0.00
52 T	Acenaphthylene	1.100	1.089	1.0	126	0.00
53 T	2,6-Dinitrotoluene	0.131	0.168	-28.2#	146	0.00
54 T	1,2-Dinitrobenzene	0.060	0.078	-30.0#	158	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	136	0.00
64 T	3-Nitroaniline	0.246	0.303	-23.2#	151	0.00
65 T	Acenaphthene	1.144	1.060	7.3	131	0.00
66 T	2,4-Dinitrophenol *	5.000	5.306	-6.1	164	0.00
67 T	Dibenzofuran	1.834	1.712	6.7	129	0.00
68 T	2,4-Dinitrotoluene *	5.000	5.411	-8.2	154	0.00
69 T	4-Nitrophenol	0.185	0.225	-21.6#	153	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.304	0.338	-11.2	140	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.300	0.338	-12.7	142	0.00
72 T	Diethyl phthalate	1.280	1.274	0.5	133	0.00
73 T	Fluorene	1.409	1.368	2.9	131	0.00
74 T	4-Chlorophenyl phenyl ether	0.719	0.665	7.5	130	0.00
75 T	4-Nitroaniline	0.246	0.294	-19.5	159	0.00
76 T	4,6-Dinitro-o-cresol *	5.000	6.143	-22.9#	187	0.00
77 T	NDPA/DPA	1.112	1.112	0.0	131	0.00
78 T	Azobenzene	1.133	1.146	-1.1	134	0.00
79 S	2,4,6-Tribromophenol	0.152	0.171	-12.5	141	0.00
80 T	4-Bromophenyl phenyl ether	0.383	0.354	7.6	127	0.00
81 T	Hexachlorobenzene	0.399	0.381	4.5	134	0.00
82 T	Pentachlorophenol	0.216	0.237	-9.7	146	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	149	0.00
89 T	Phenanthrene	1.146	1.048	8.6	139	0.00
90 T	Anthracene	1.122	1.041	7.2	138	0.00
91 T	Carbazole	0.975	0.984	-0.9	143	0.00
92 T	Di-n-butylphthalate	1.070	1.044	2.4	136	0.00
93 T	Fluoranthene	1.217	1.202	1.2	142	0.00
94 T	Benzidine *	5.000	4.829	3.4	147	0.00
95 T	Pyrene	1.292	1.283	0.7	142	0.00
96 S	4-Terphenyl-d14	0.865	0.850	1.7	143	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250916\
 Data File : ABN0916.D
 Acq On : 16 Sep 2025 7:02 am
 Operator : SV107:smz
 Sample : WG2115301-3,32,,ABN 11823 gmr0814A
 Misc : WG2115301,,ical22592
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 16 07:52:40 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 07:53:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	*	5.000	4.759	4.8	161	0.00
104 I	IS1_Chrysene-d12		1.000	1.000	0.0	167	0.00
105 T	Benzo(a)anthracene		1.367	1.290	5.6	159	0.00
106 T	3,3'-Dichlorobenzidine		0.436	0.436	0.0	165	0.00
107 T	Chrysene		1.352	1.234	8.7	158	0.00
108 T	Bis(2-ethylhexyl)phthalate	*	5.000	4.147	17.1	150	0.00
109 T	Di-n-octylphthalate	*	5.000	4.228	15.4	159	0.00
110 T	Benzo(b)fluoranthene		1.185	1.148	3.1	166	0.00
111 T	Benzo(k)fluoranthene		1.199	1.178	1.8	163	0.00
112 T	Benzo(a)pyrene		1.101	1.057	4.0	162	0.00
113 I	IS1_Perylene-d12		1.000	1.000	0.0	181	0.00
114 T	Indeno(1,2,3-cd)pyrene		1.111	1.140	-2.6	175	0.00
115 T	Dibenzo(a,h)anthracene		1.154	1.167	-1.1	172	0.00
116 T	Benzo(ghi)perylene		1.150	1.159	-0.8	169	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : ABN0916.D
 Acq On : 16 Sep 2025 7:02 am
 Operator : SV107:smz
 Sample : WG2115301-3,32,,ABN 11823 gmr0814A
 Misc : WG2115301,,ical22592
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 16 07:52:40 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 07:53:21 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.424	152	69446	4.000	ug/ml	0.00
35) IS1_Naphthalene-d8	7.853	136	265643	4.000	ug/ml	0.00
63) IS1_Acenaphthene-d10	9.619	164	162020	4.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	11.064	188	318305	4.000	ug/ml	0.00
104) IS1_Chrysene-d12	13.712	240	311596	4.000	ug/ml	0.00
113) IS1_Perylene-d12	15.188	264	302214	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.487	112	88200	4.923	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	246.15%#	
7) Phenol-d6	6.044	99	111183	5.049	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	252.45%#	
19) Nitrobenzene-d5	7.082	82	102222	5.022	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	502.20%#	
46) 2-Fluorobiphenyl	8.978	172	265764	4.587	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	458.70%#	
79) 2,4,6-Tribromophenol	10.390	330	34728	5.626	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	281.30%#	
96) 4-Terphenyl-d14	12.655	244	338084	4.911	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	491.10%#	
Target Compounds						
					Qvalue	
2) n-Nitrosodimethylamine	2.116	74	60653	5.301	ug/ml#	72
3) Pyridine	2.153	79	60031	2.795	ug/ml#	64
5) Aniline	6.016	93	144931	4.935	ug/ml	97
6) 2-Chlorophenol	6.153	128	105909	4.968	ug/ml	92
8) Phenol	6.063	94	121221	4.944	ug/ml	96
9) Bis(2-chloroethyl)ether	6.147	93	97471	4.705	ug/ml#	84
10) 1,3-Dichlorobenzene	6.343	146	122949	4.545	ug/ml	98
11) 1,4-Dichlorobenzene	6.445	146	126470	4.576	ug/ml	97
12) 1,2-Dichlorobenzene	6.616	146	124139	4.680	ug/ml	97
13) Benzyl alcohol	6.635	79	81559	5.060	ug/ml	96
14) Bis(2-chloroisopropyl)...	6.812	45	161287	4.976	ug/ml#	61
15) 2-Methylphenol	6.800	108	91884	5.087	ug/ml	97
16) Hexachloroethane	7.008	117	46748	4.607	ug/ml#	64
17) n-Nitrosodi-n-propylamine	6.955	70	69809	4.884	ug/ml	95
18) 3-Methylphenol/4-Methy...	6.986	108	100040	5.231	ug/ml	100
20) Nitrobenzene	7.101	77	104576	5.064	ug/ml	95
21) Isophorone	7.384	82	184646	4.927	ug/ml	98
22) 2-Nitrophenol	7.459	139	53723	6.258	ug/ml	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : ABN0916.D
 Acq On : 16 Sep 2025 7:02 am
 Operator : SV107:smz
 Sample : WG2115301-3,32,,ABN 11823 gmr0814A
 Misc : WG2115301,,ical22592
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 16 07:52:40 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 07:53:21 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23)	2,4-Dimethylphenol	7.561	107	105592	5.270	ug/ml	99
24)	Bis(2-chloroethoxy)met...	7.661	93	125962	5.003	ug/ml	99
25)	2,4-Dichlorophenol	7.726	162	101982	5.288	ug/ml#	94
26)	1,2,4-Trichlorobenzene	7.807	180	115397	4.590	ug/ml	98
36)	Naphthalene	7.875	128	316916	4.527	ug/ml	99
37)	Benzoic Acid	7.648	105	44485	4.118	ug/ml	95
38)	4-Chloroaniline	7.959	65	37666	4.738	ug/ml	76
39)	Hexachlorobutadiene	8.034	225	65294	4.255	ug/ml	99
40)	p-Chloro-m-cresol	8.484	107	89610	5.280	ug/ml	97
41)	2-Methylnaphthalene	8.593	142	198320	4.722	ug/ml	94
42)	1-Methylnaphthalene	8.689	115	73889	4.645	ug/ml	98
43)	Hexachlorocyclopentadiene	8.761	237	78320	4.841	ug/ml	97
44)	2,4,6-Trichlorophenol	8.888	196	76279	5.355	ug/ml	98
45)	2,4,5-Trichlorophenol	8.919	196	84200	5.516	ug/ml	99
47)	2-Chloronaphthalene	9.075	162	228200	4.681	ug/ml	94
48)	2-Nitroaniline	9.187	138	62610	5.936	ug/ml	86
49)	1,4-Dinitrobenzene	9.336	168	33604	6.555	ug/ml#	69
50)	1,3-Dinitrobenzene	9.404	168	37339	6.064	ug/ml#	1
51)	Dimethyl phthalate	9.398	163	263957	5.171	ug/ml#	98
52)	Acenaphthylene	9.476	152	361715	4.953	ug/ml	98
53)	2,6-Dinitrotoluene	9.442	165	55830	6.403	ug/ml#	77
54)	1,2-Dinitrobenzene	9.479	168	25853	6.533	ug/ml#	1
64)	3-Nitroaniline	9.594	138	61443	6.160	ug/ml	90
65)	Acenaphthene	9.650	154	214629	4.630	ug/ml	92
66)	2,4-Dinitrophenol	9.700	184	28661	5.306	ug/ml#	85
67)	Dibenzofuran	9.824	168	346710	4.668	ug/ml	90
68)	2,4-Dinitrotoluene	9.830	165	77904	5.411	ug/ml	92
69)	4-Nitrophenol	9.780	65	45643	6.081	ug/ml#	84
70)	2,3,5,6-Tetrachlorophenol	9.911	232	68414	5.553	ug/ml	100
71)	2,3,4,6-Tetrachlorophenol	9.951	232	68381	5.630	ug/ml	97
72)	Diethyl phthalate	10.097	149	257939	4.975	ug/ml	98
73)	Fluorene	10.156	166	277073	4.855	ug/ml	98
74)	4-Chlorophenyl phenyl ...	10.181	204	134768	4.627	ug/ml#	87
75)	4-Nitroaniline	10.184	138	59619	5.995	ug/ml	81
76)	4,6-Dinitro-o-cresol	10.222	198	45003	6.143	ug/ml#	61
77)	NDPA/DPA	10.296	169	225186	5.001	ug/ml	93
78)	Azobenzene	10.330	77	232185	5.058	ug/ml#	92
80)	4-Bromophenyl phenyl e...	10.654	248	71612	4.619	ug/ml#	88
81)	Hexachlorobenzene	10.691	284	77174	4.770	ug/ml	89
82)	Pentachlorophenol	10.887	266	47968	5.494	ug/ml	99
89)	Phenanthrene	11.086	178	416988	4.572	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : ABN0916.D
 Acq On : 16 Sep 2025 7:02 am
 Operator : SV107:smz
 Sample : WG2115301-3,32,,ABN 11823 gmr0814A
 Misc : WG2115301,,ical22592
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 16 07:52:40 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 07:53:21 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

90)	Anthracene	11.135	178	414078	4.636	ug/ml	98
91)	Carbazole	11.303	167	391499	5.047	ug/ml	98
92)	Di-n-butylphthalate	11.704	149	415247	4.878	ug/ml	98
93)	Fluoranthene	12.245	202	478170	4.936	ug/ml#	92
94)	Benzydine	12.404	184	269077	4.829	ug/ml#	94
95)	Pyrene	12.460	202	510510	4.964	ug/ml	99
97)	Butyl benzyl phthalate	13.193	149	177425	4.759	ug/ml	88
105)	Benzo(a)anthracene	13.703	228	502347	4.717	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.706	252	169688	5.002	ug/ml#	96
107)	Chrysene	13.740	228	480464	4.563	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.840	149	272279	4.147	ug/ml#	95
109)	Di-n-octylphthalate	14.533	149	432035	4.228	ug/ml#	73
110)	Benzo(b)fluoranthene	14.819	252	447061	4.845	ug/ml#	94
111)	Benzo(k)fluoranthene	14.847	252	458696	4.912	ug/ml#	95
112)	Benzo(a)pyrene	15.136	252	411622	4.797	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	16.183	276	430788	5.130	ug/mL#	92
115)	Dibenzo(a,h)anthracene	16.214	278	440803	5.054	ug/ml#	92
116)	Benzo(ghi)perylene	16.438	276	437953	5.042	ug/ml#	89

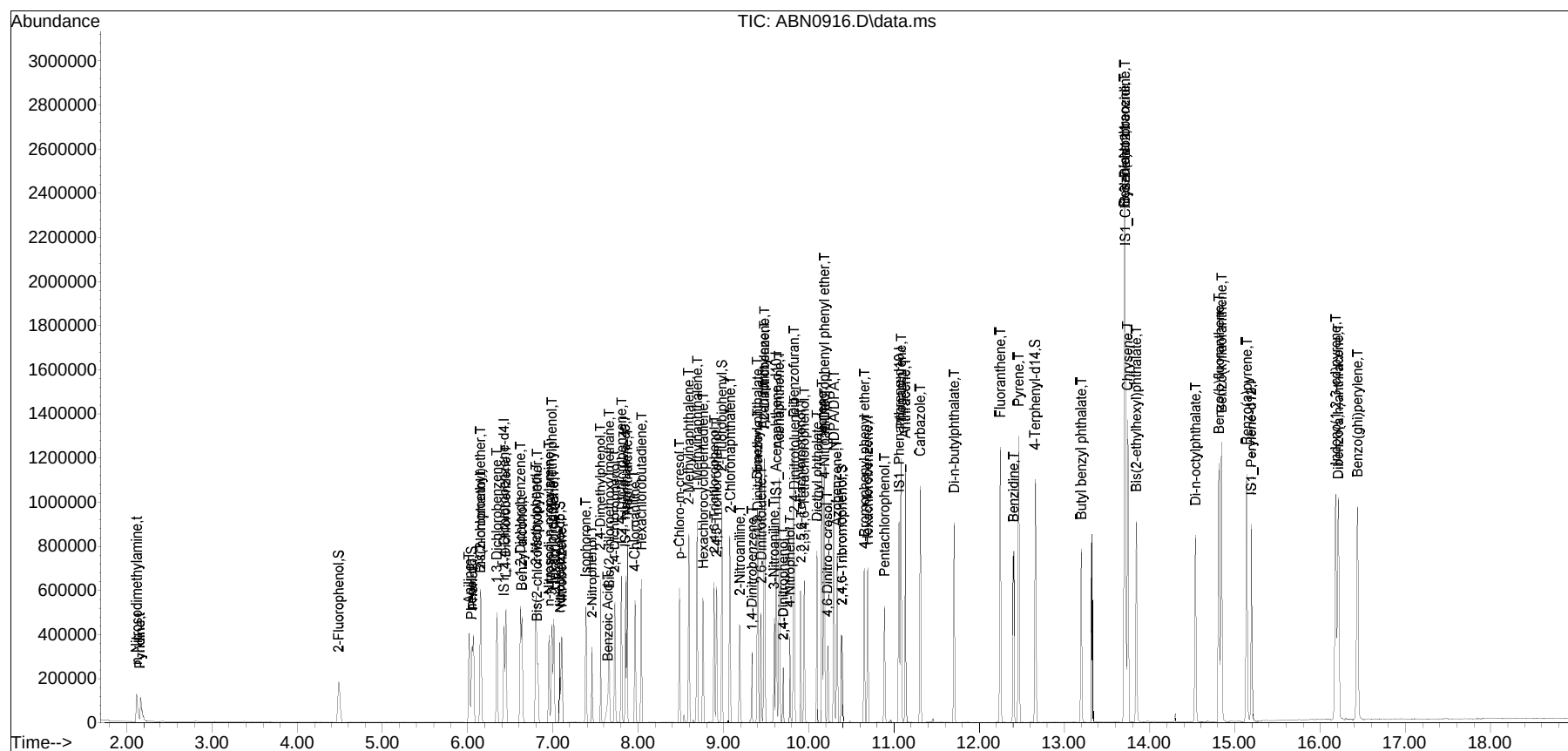
(#) = qualifier out of range (m) = manual integration (+) = signals summed

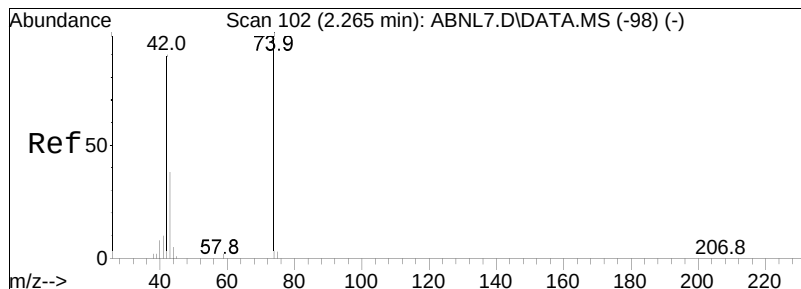
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
Data File : ABN0916.D
Acq On : 16 Sep 2025 7:02 am
Operator : SV107:smz
Sample : WG2115301-3,32,,ABN 11823 gmr0814A
Misc : WG2115301,,ical22592
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 16 07:52:40 2025
Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 16 07:53:21 2025
Response via : Initial Calibration

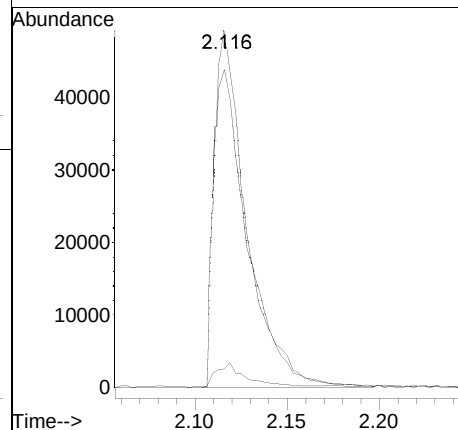
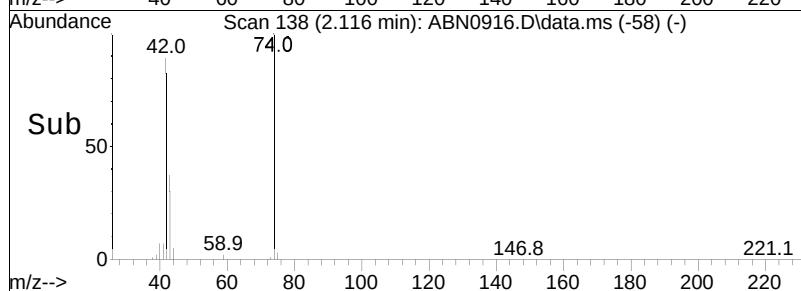
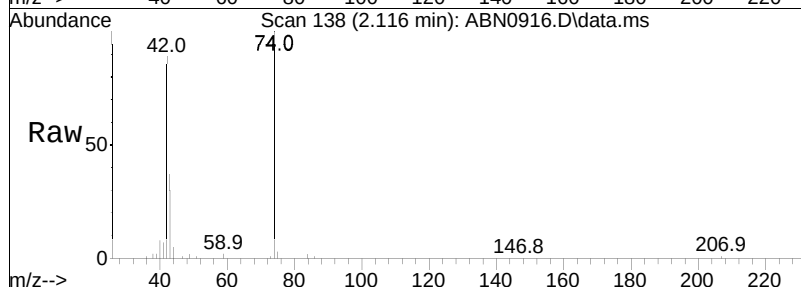
Sub List : ABNical - ABN ical sublist

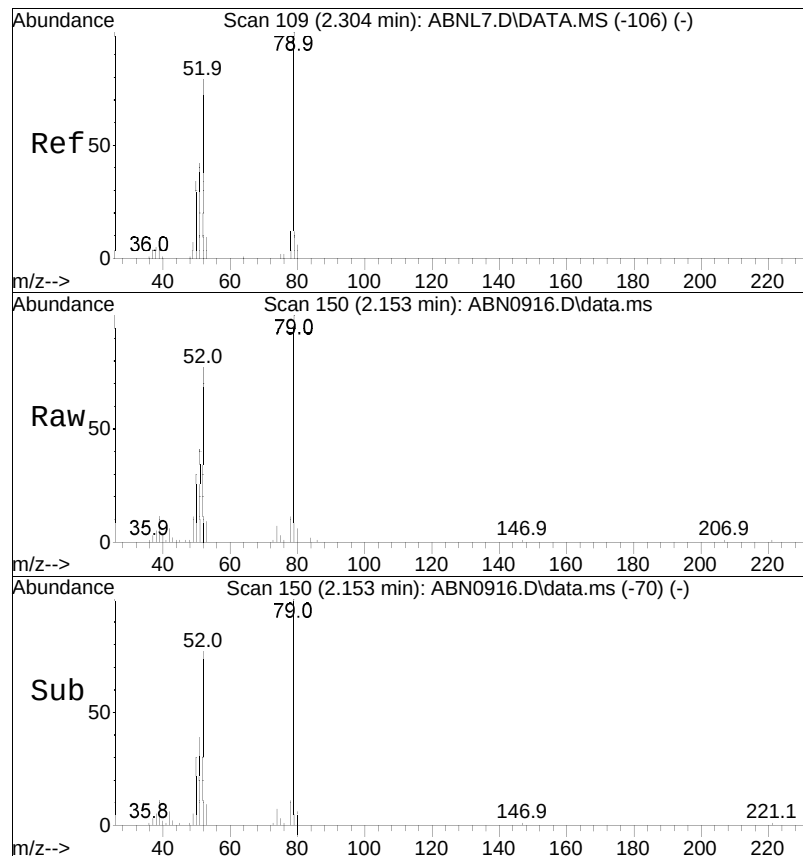




#2
 n-Nitrosodimethylamine
 Concen: 5.30 ug/ml
 RT: 2.116 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

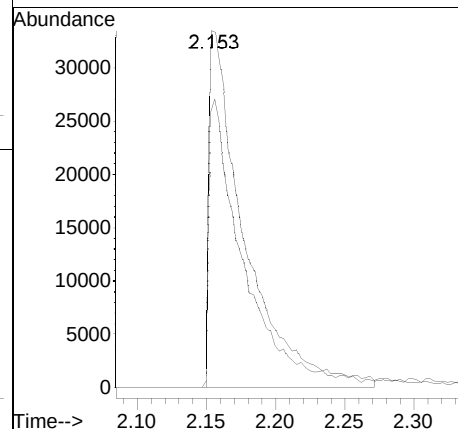
Tgt Ion: 74 Resp: 60653
 Ion Ratio Lower Upper
 74 100
 42 91.9 100.0 150.0#
 44 6.7 6.7 10.1#

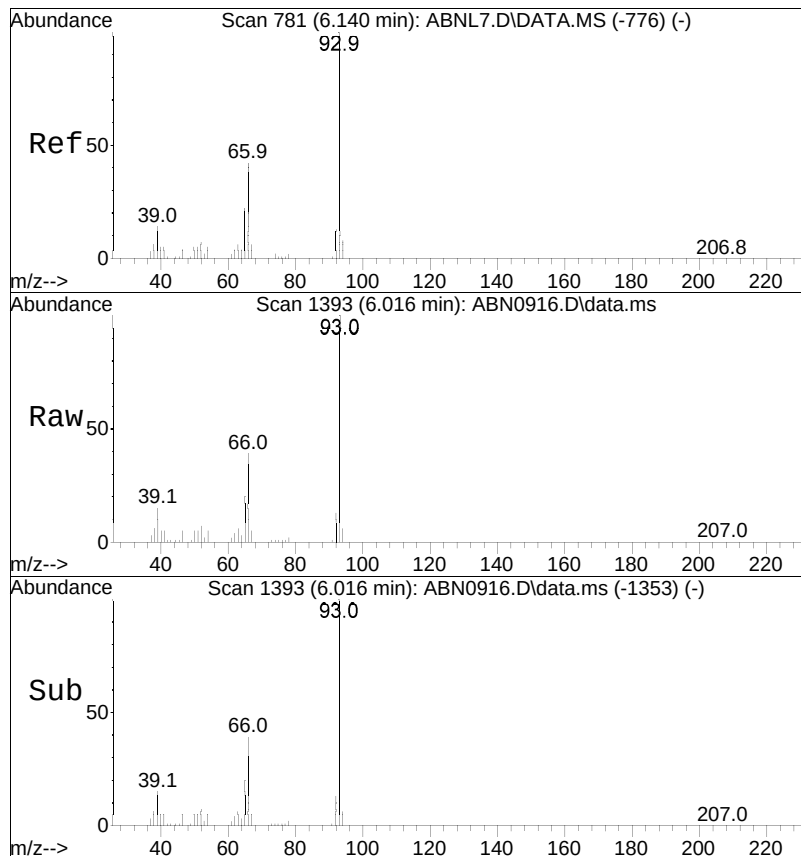




#3
 Pyridine
 Concen: 2.80 ug/ml
 RT: 2.153 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

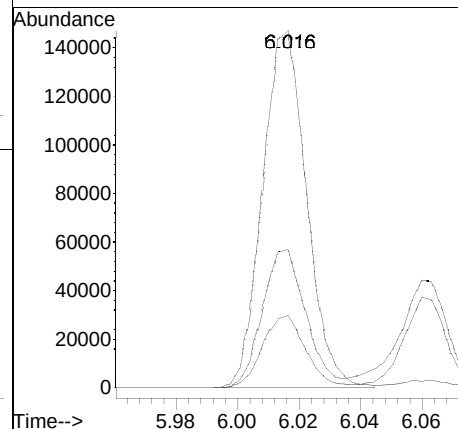
Tgt Ion	Ratio	Lower	Upper
79	100		
52	76.7	93.1	139.7#

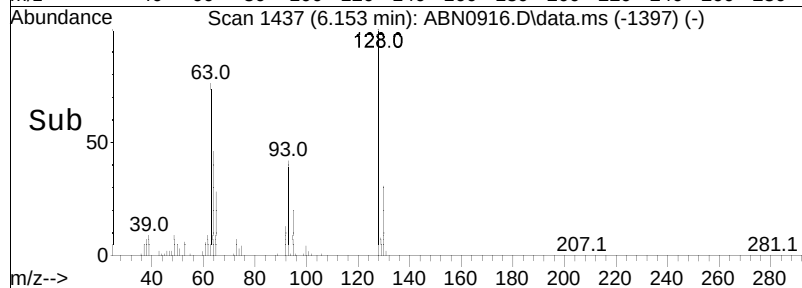
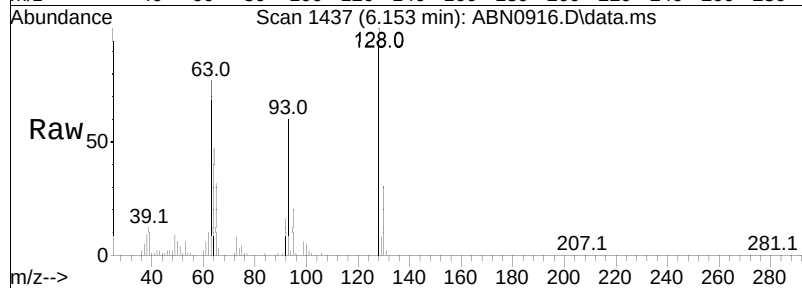
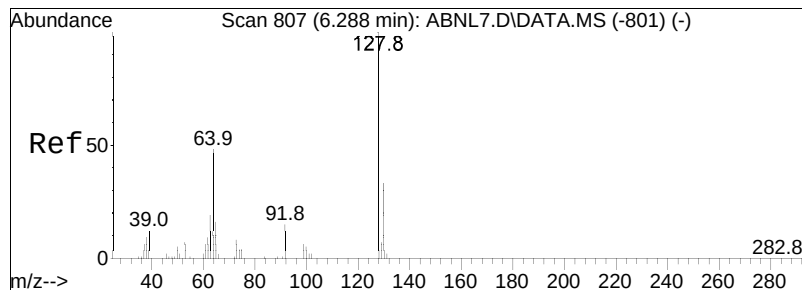




#5
 Aniline
 Concen: 4.93 ug/ml
 RT: 6.016 min Scan# 1393
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

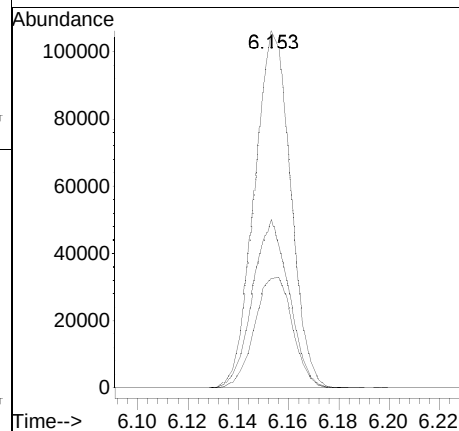
Tgt Ion: 93	Resp: 144931
Ion Ratio	Lower Upper
93 100	
66 38.8	32.6 49.0
65 20.3	17.6 26.4

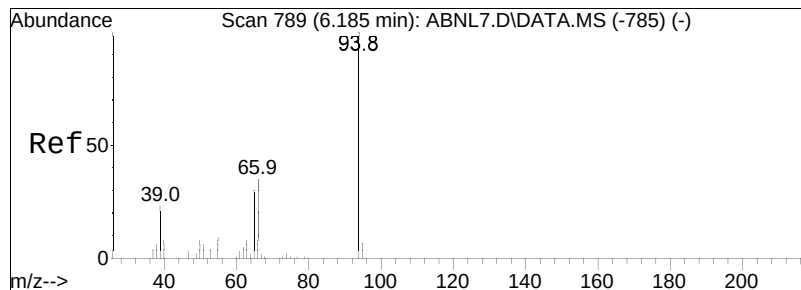




#6
 2-Chlorophenol
 Concen: 4.97 ug/ml
 RT: 6.153 min Scan# 1437
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

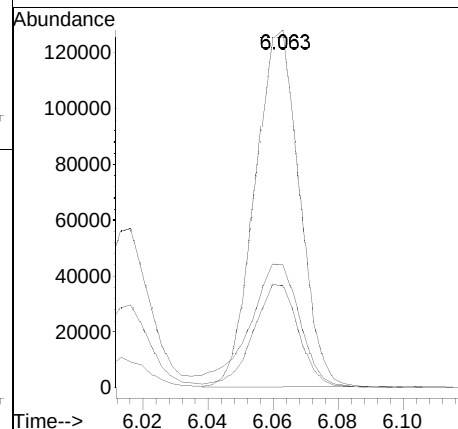
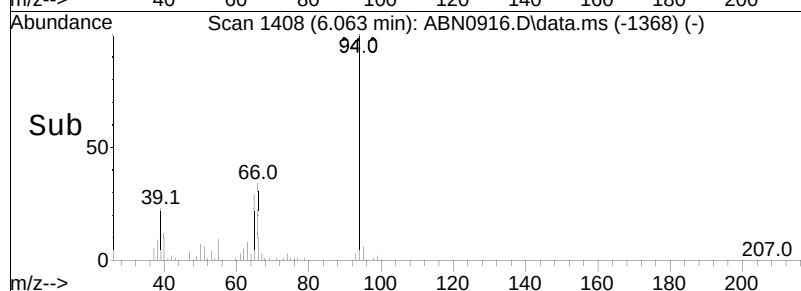
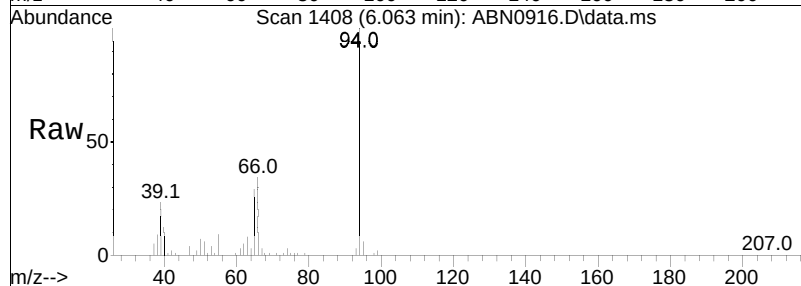
Tgt Ion	Ratio	Lower	Upper
128	100		
64	47.4	45.1	67.7
130	32.6	26.2	39.4

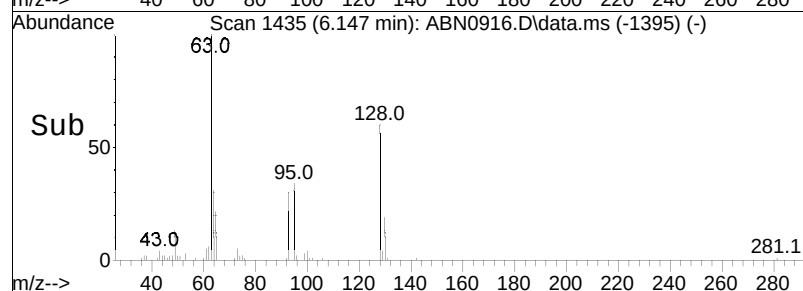
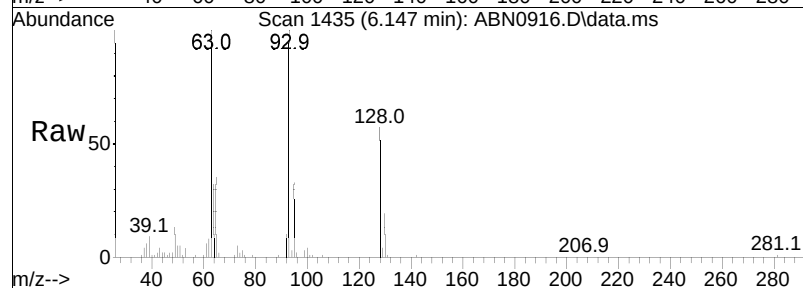
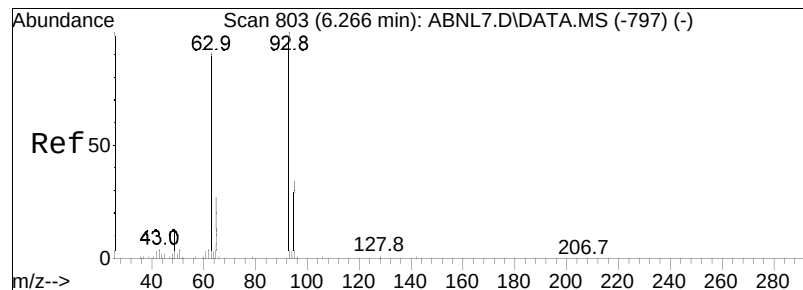




#8
Phenol
Concen: 4.94 ug/ml
RT: 6.063 min Scan# 1408
Delta R.T. 0.000 min
Lab File: ABN0916.D
Acq: 16 Sep 2025 7:02 am

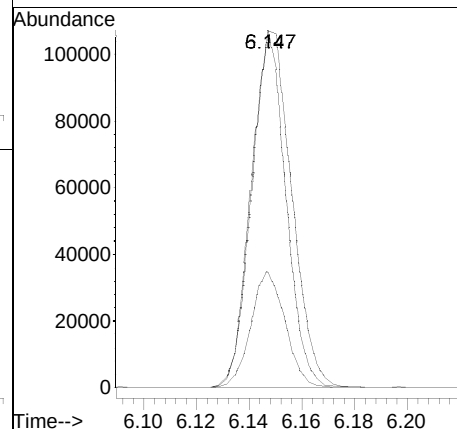
Tgt	Ion	Ratio	Lower	Upper
94	100			
65	29.8	26.0	39.0	
66	40.2	33.8	50.8	

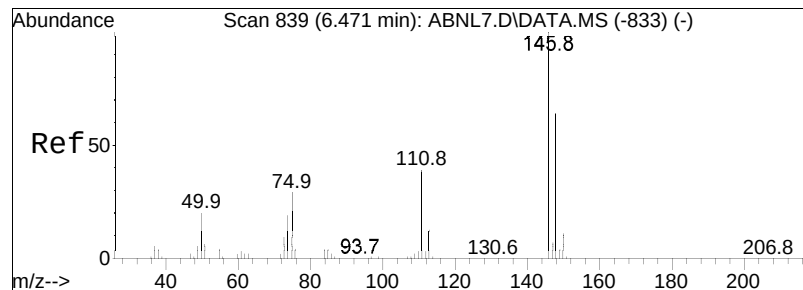




#9
 Bis(2-chloroethyl)ether
 Concen: 4.71 ug/ml
 RT: 6.147 min Scan# 1435
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

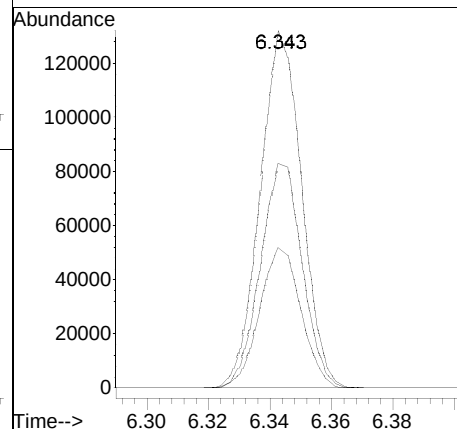
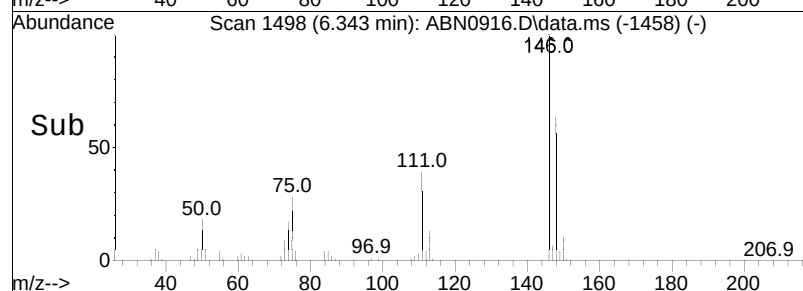
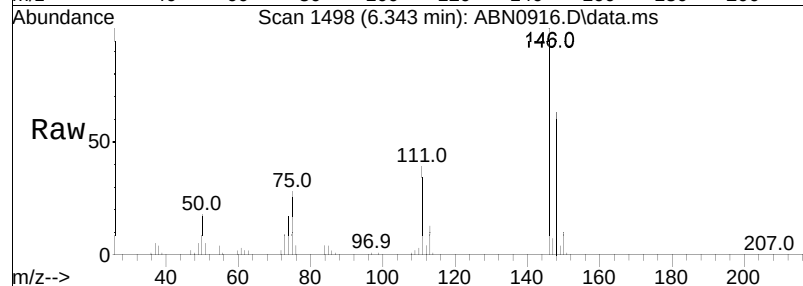
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	97471		
63	113.9		74.6	111.8#
95	32.2		25.9	38.9

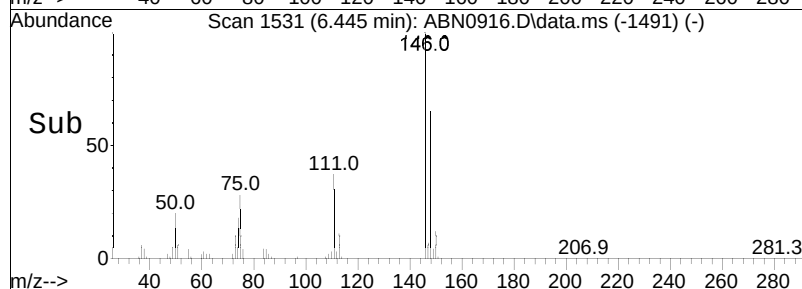
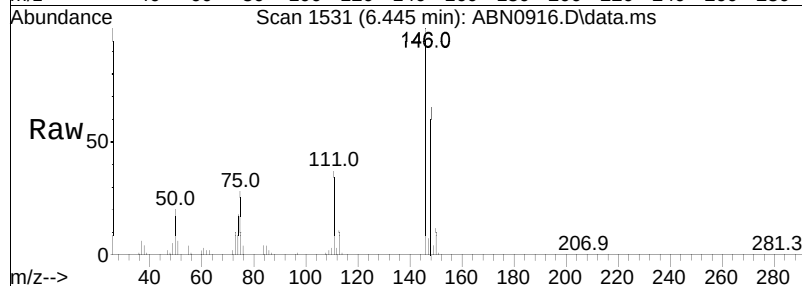
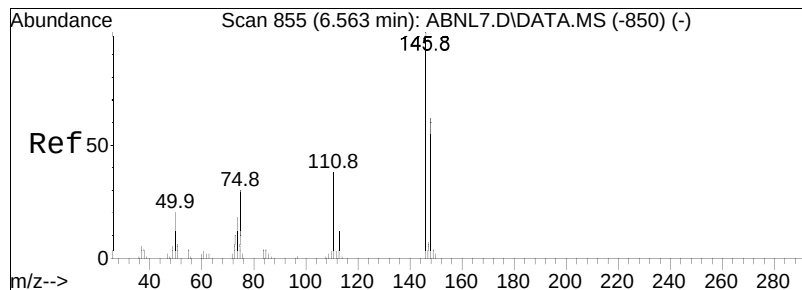




#10
 1,3-Dichlorobenzene
 Concen: 4.55 ug/ml
 RT: 6.343 min Scan# 1498
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

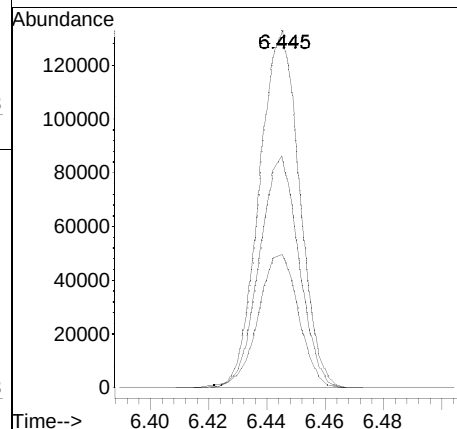
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	34.3	51.5
148	63.5	50.8	76.2

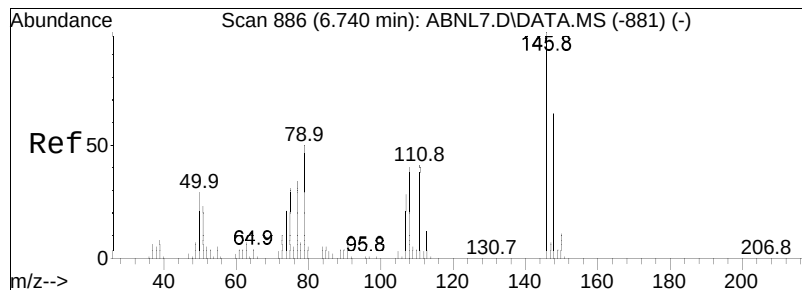




#11
 1,4-Dichlorobenzene
 Concen: 4.58 ug/ml
 RT: 6.445 min Scan# 1531
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

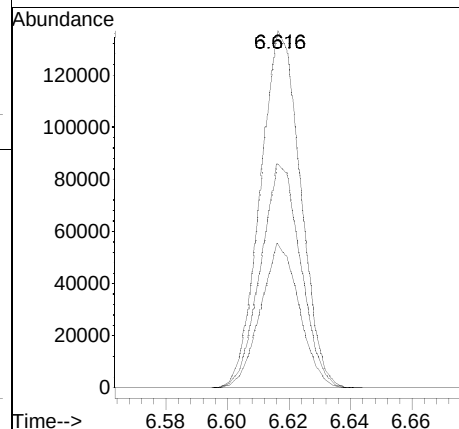
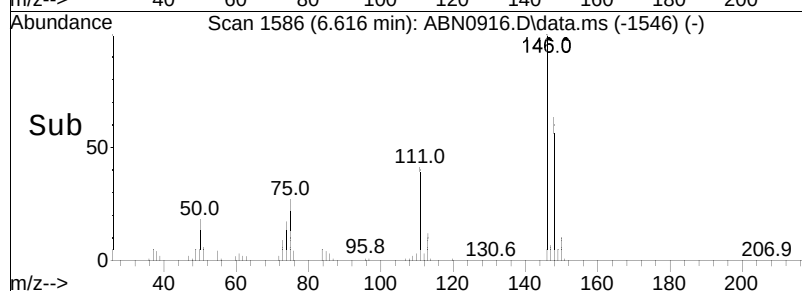
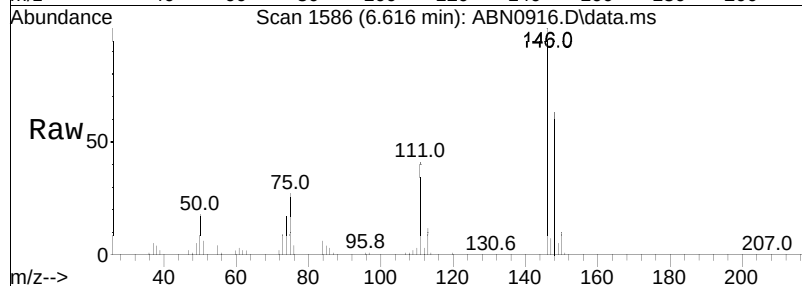
Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.7	76.1
111	38.1	33.4	50.0

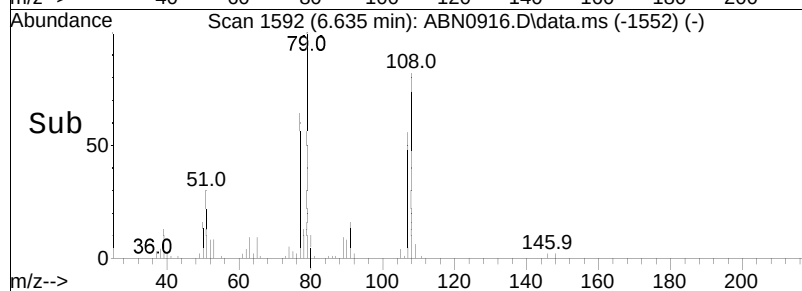
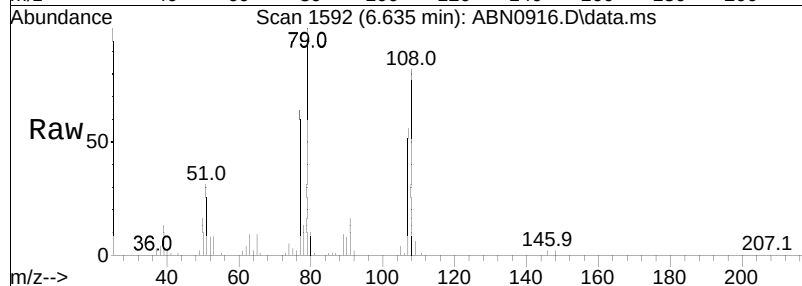
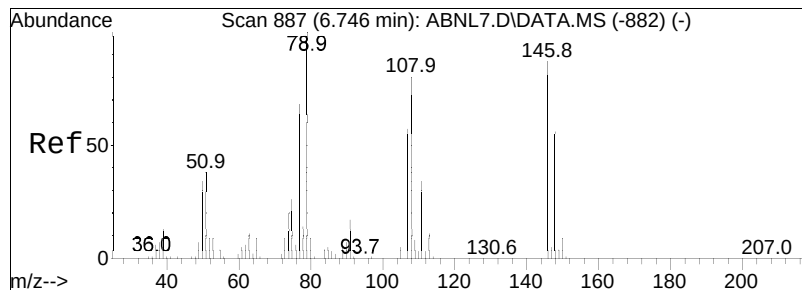




#12
 1,2-Dichlorobenzene
 Concen: 4.68 ug/ml
 RT: 6.616 min Scan# 1586
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	34.6	52.0
148	62.4	50.2	75.4





#13

Benzyl alcohol

Concen: 5.06 ug/ml

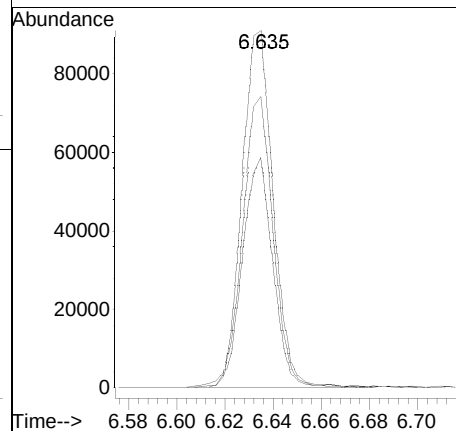
RT: 6.635 min Scan# 1592

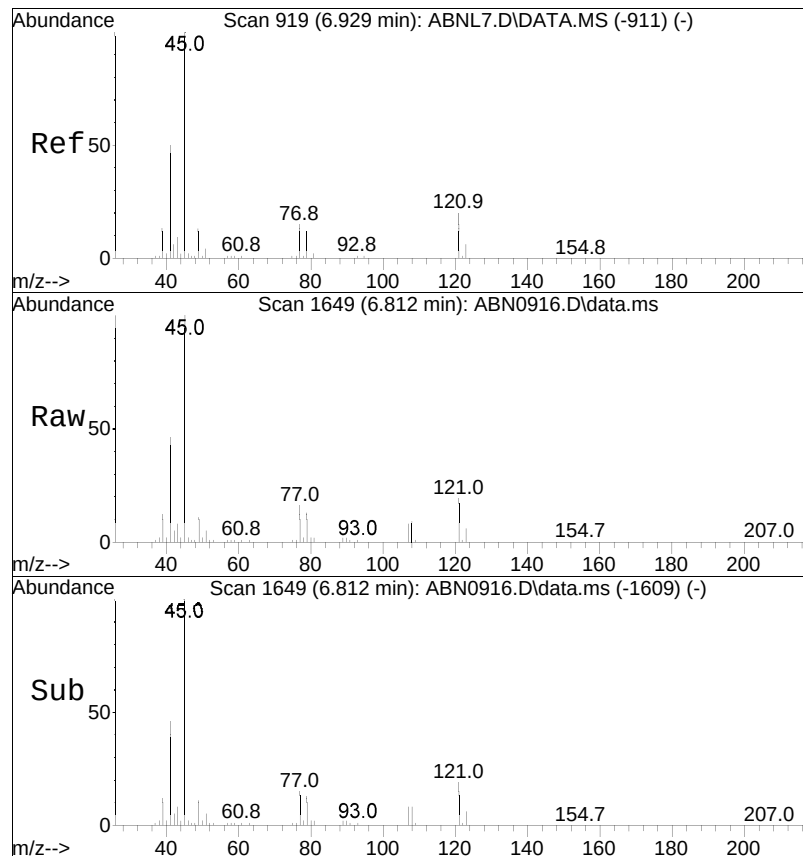
Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

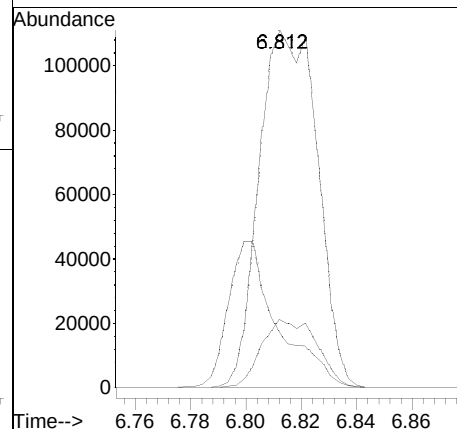
Tgt Ion:	79	Resp:	81559
Ion Ratio	Lower	Upper	
79	100		
77	63.0	54.9	82.3
108	80.3	63.1	94.7

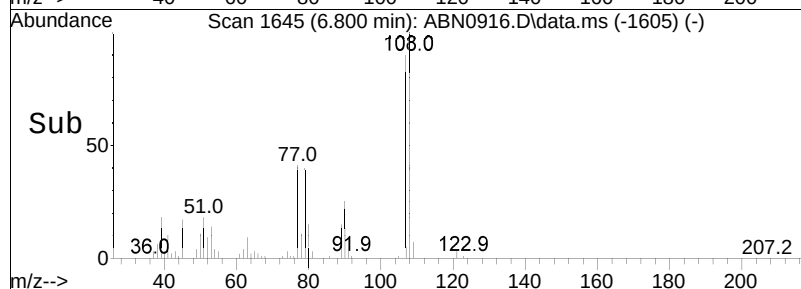
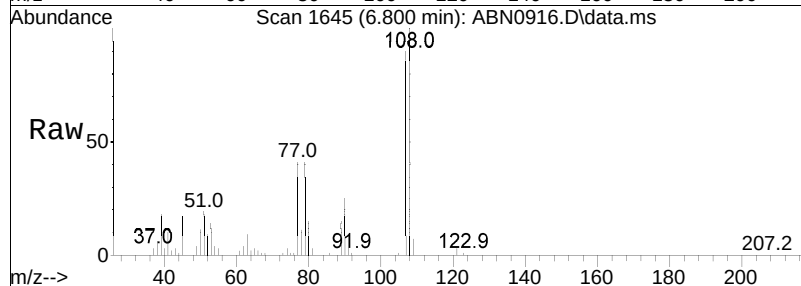
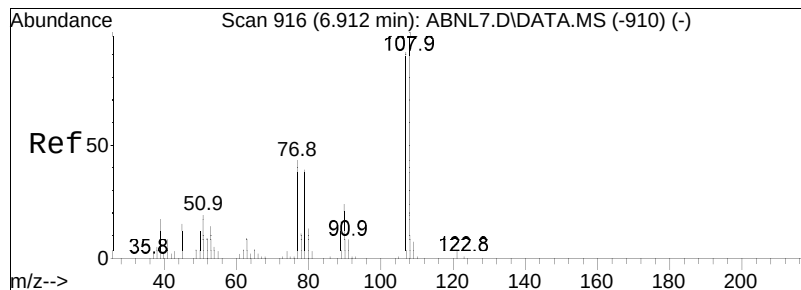




#14
 Bis(2-chloroisopropyl)ether
 Concen: 4.98 ug/ml
 RT: 6.812 min Scan# 1649
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

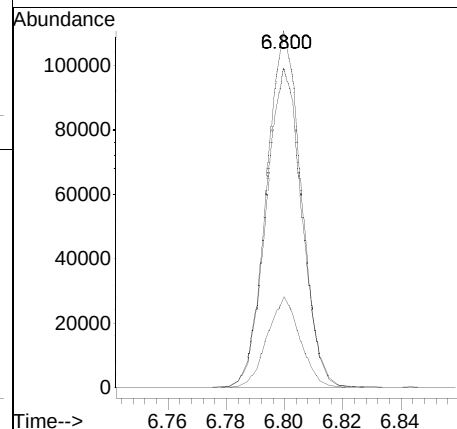
Tgt Ion	Ratio	Lower	Upper
45	100		
121	18.2	9.8	14.6#
77	34.9	6.1	9.1#

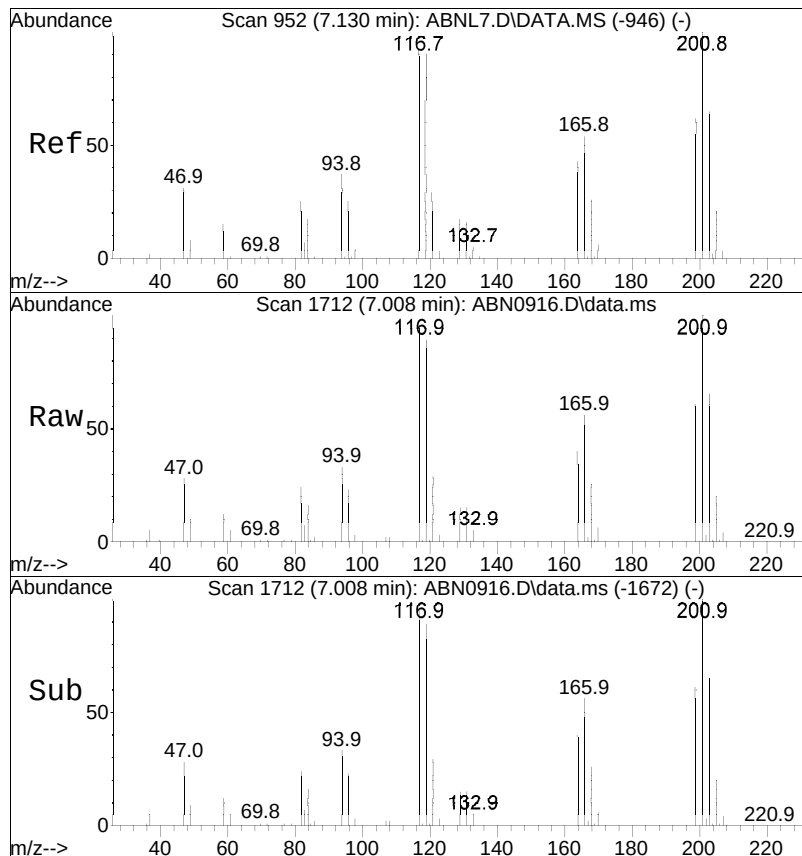




#15
 2-Methylphenol
 Concen: 5.09 ug/ml
 RT: 6.800 min Scan# 1645
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

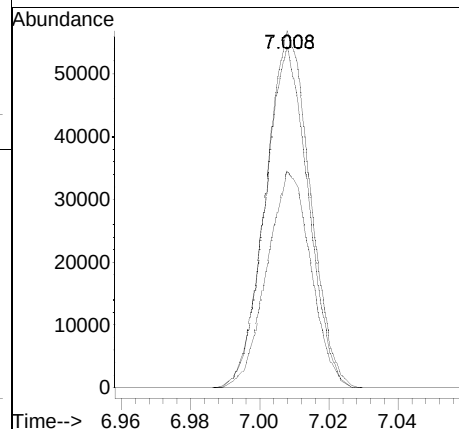
Tgt Ion	Ratio	Resp	Lower	Upper
108	100	91884		
107	91.4		70.7	106.1
90	23.9		18.7	28.1

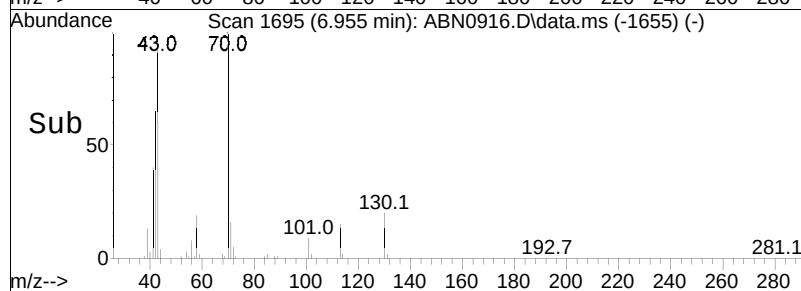
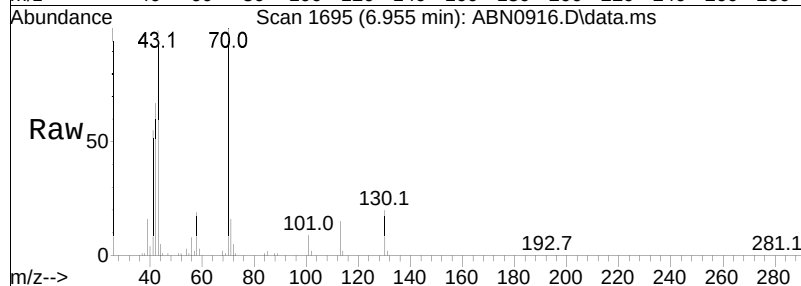
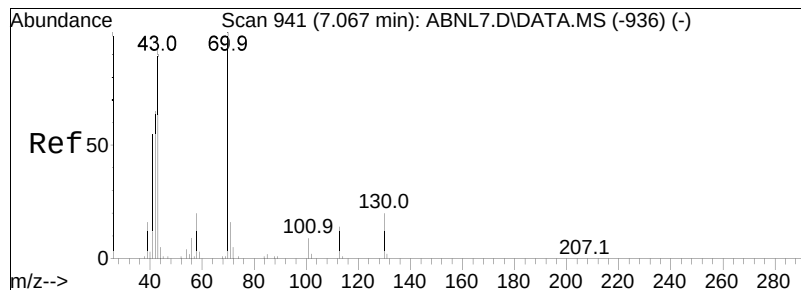




#16
 Hexachloroethane
 Concen: 4.61 ug/ml
 RT: 7.008 min Scan# 1712
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

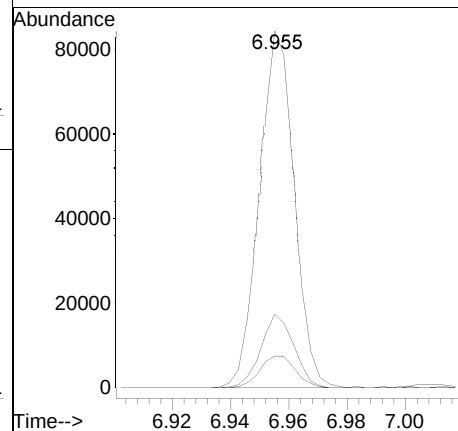
Tgt Ion:	117	Resp:	46748
Ion Ratio	Lower	Upper	
117	100		
201	107.5	58.6	87.8#
199	64.9	36.9	55.3#

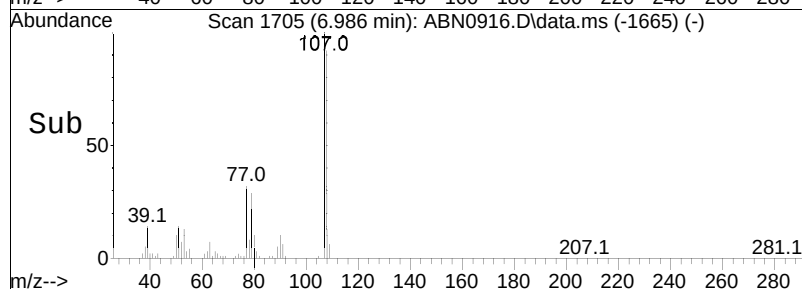
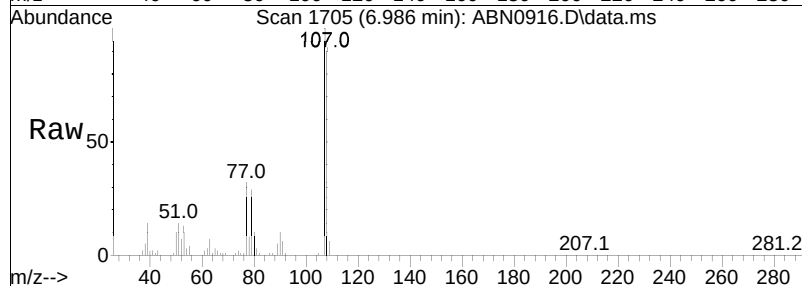
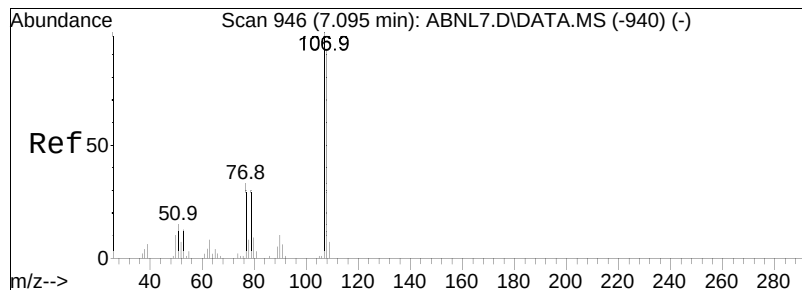




#17
 n-Nitrosodi-n-propylamine
 Concen: 4.88 ug/ml
 RT: 6.955 min Scan# 1695
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

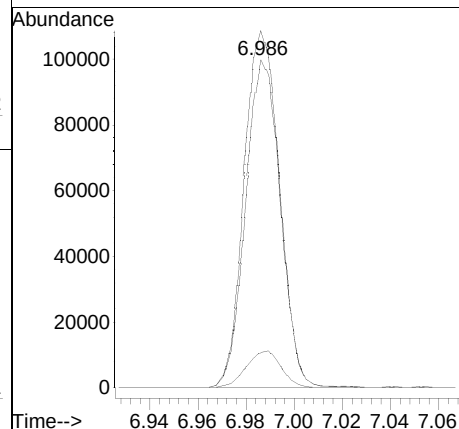
Tgt Ion	Ratio	Lower	Upper
70	100		
130	19.5	18.2	27.4
101	9.1	7.8	11.8

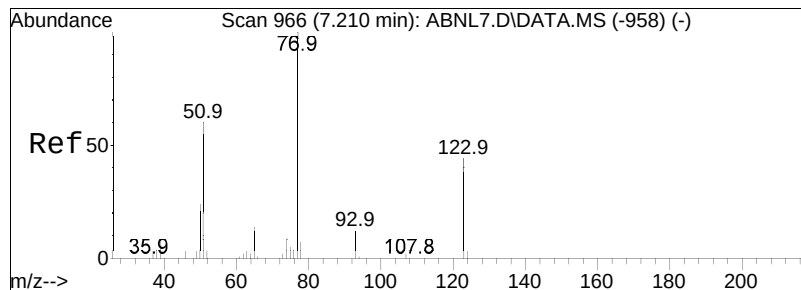




#18
 3-Methylphenol/4-Methylphenol
 Concen: 5.23 ug/ml
 RT: 6.986 min Scan# 1705
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

Tgt Ion	Ratio	Lower	Upper
108	100		
107	110.7	88.6	132.8
90	11.2	8.8	13.2





#20

Nitrobenzene

Concen: 5.06 ug/ml

RT: 7.101 min Scan# 1742

Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

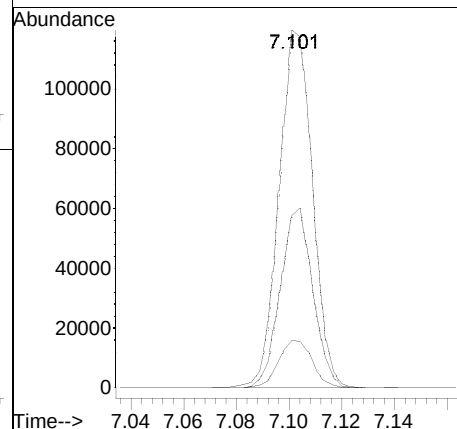
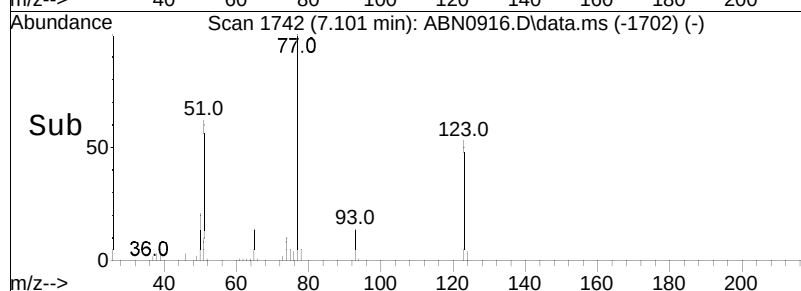
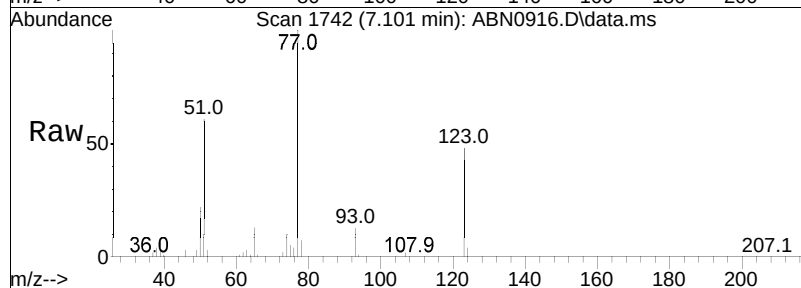
Tgt Ion: 77 Resp: 104576

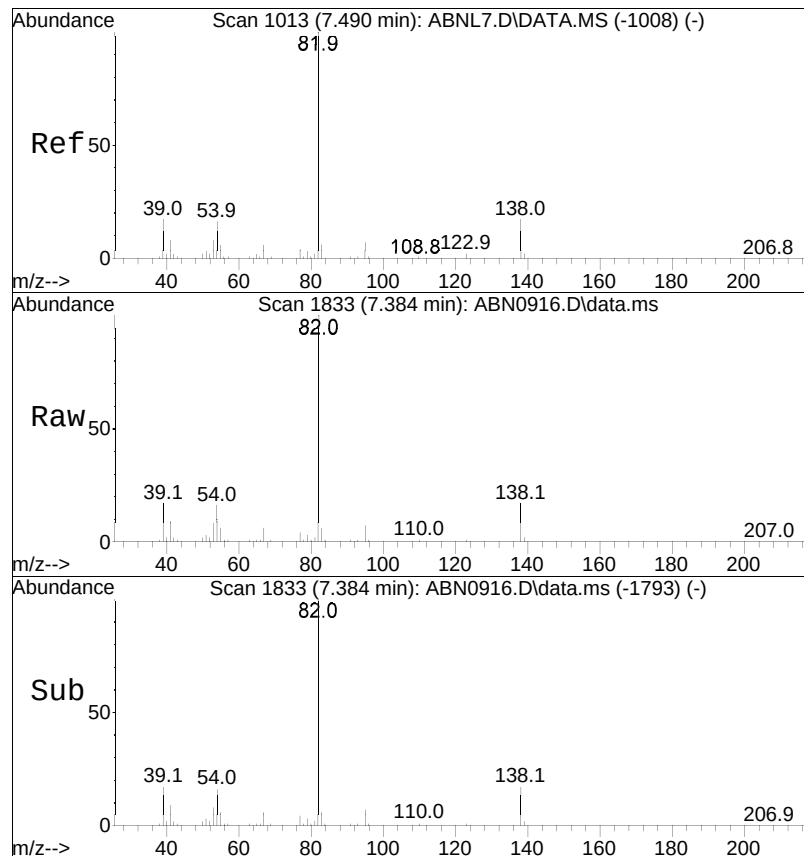
Ion Ratio Lower Upper

77 100

123 49.1 36.3 54.5

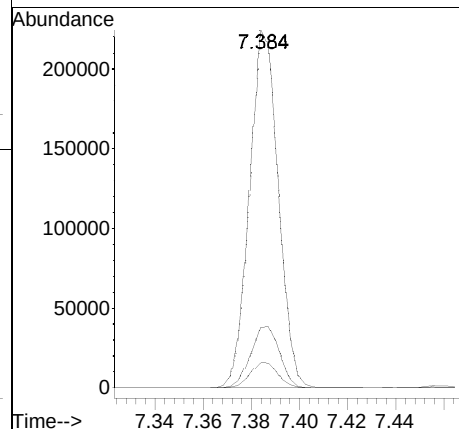
65 13.5 11.6 17.4

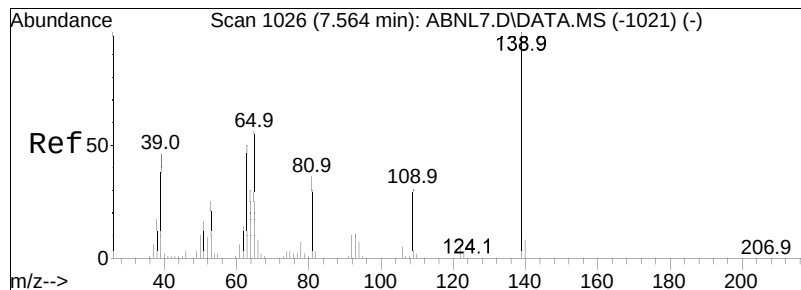




#21
 Isophorone
 Concen: 4.93 ug/ml
 RT: 7.384 min Scan# 1833
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

Tgt Ion:	82	Resp:	184646
Ion Ratio	Lower	Upper	
82	100		
138	17.4	14.7	22.1
95	7.0	5.2	7.8





#22

2-Nitrophenol

Concen: 6.26 ug/ml

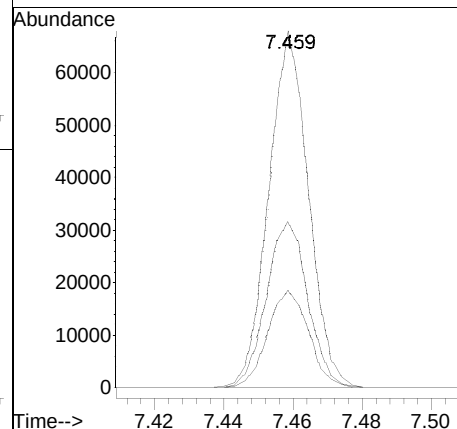
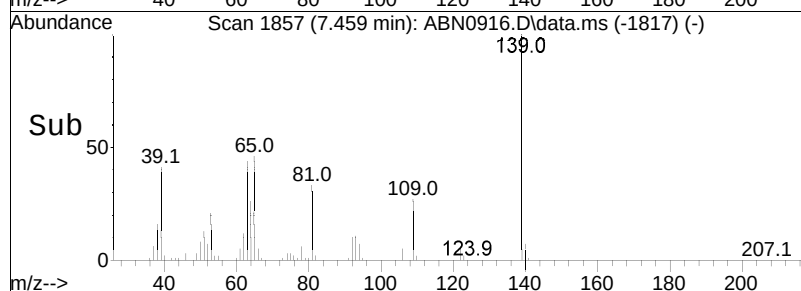
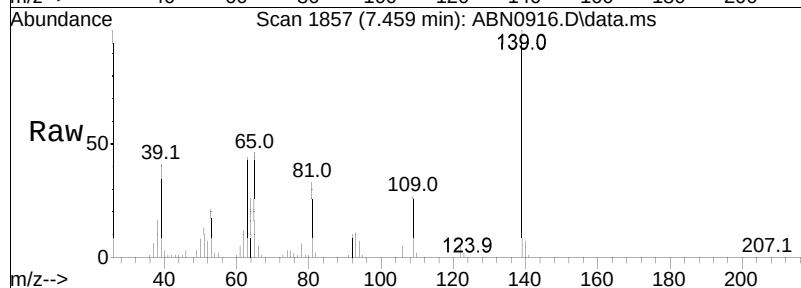
RT: 7.459 min Scan# 1857

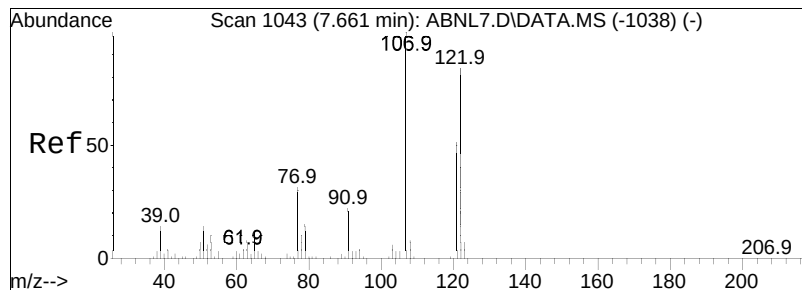
Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

Tgt Ion:	139	Resp:	53723
Ion Ratio	Lower	Upper	
139	100		
109	28.3	19.4	29.0
65	48.7	46.1	69.1





#23

2,4-Dimethylphenol

Concen: 5.27 ug/ml

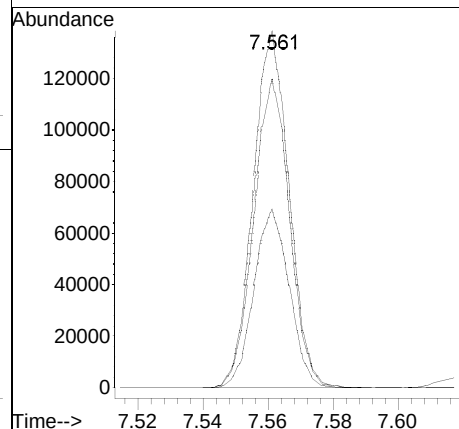
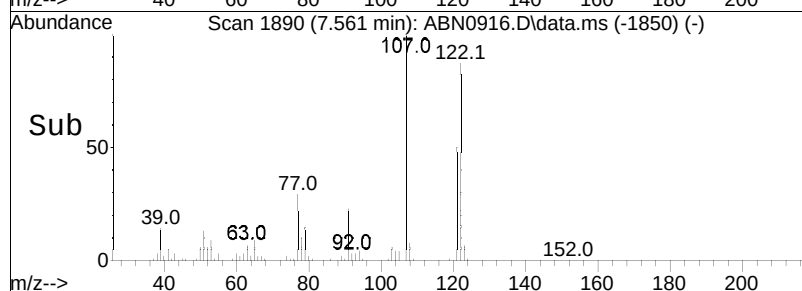
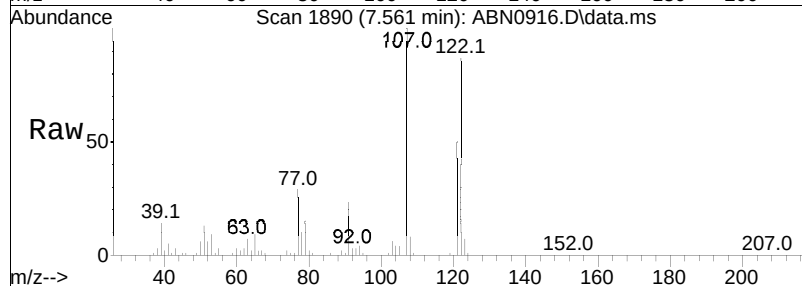
RT: 7.561 min Scan# 1890

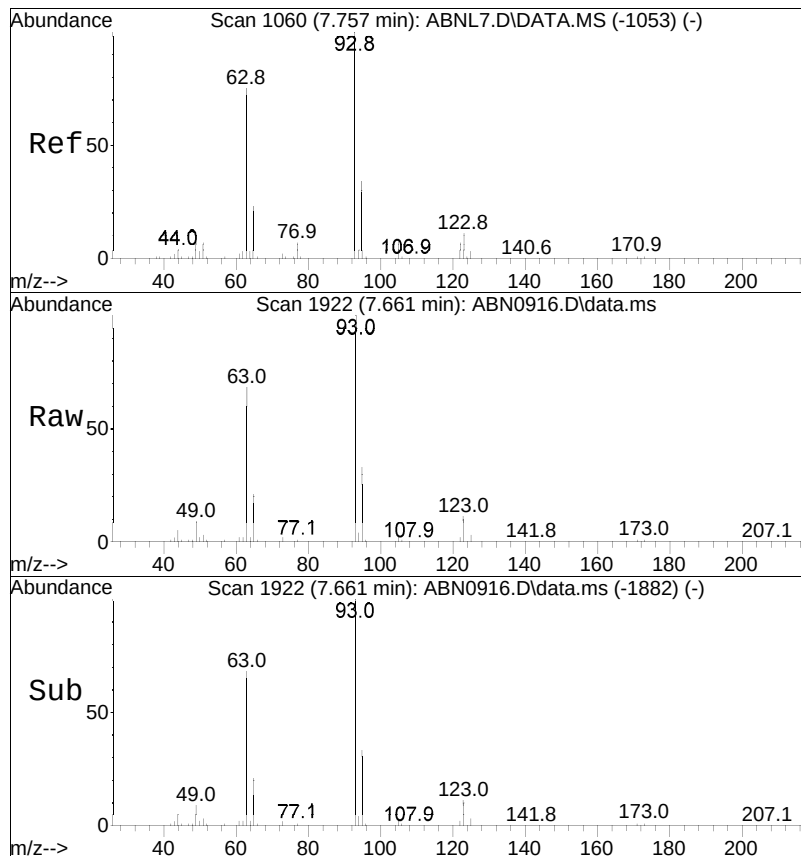
Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

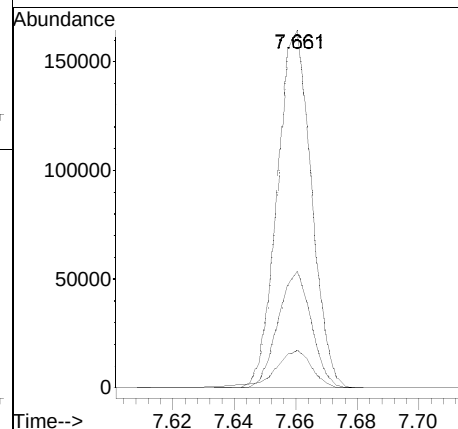
Tgt Ion:	107	Resp:	105592
Ion Ratio	Lower	Upper	
107	100		
121	49.6	40.0	60.0
122	86.4	70.2	105.4

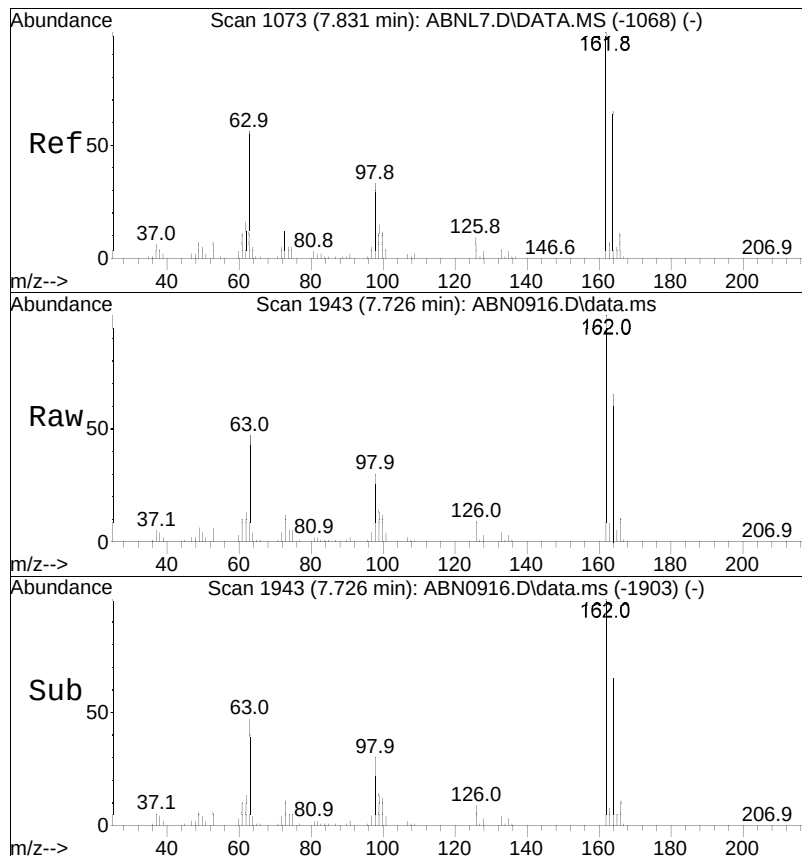




#24
 Bis(2-chloroethoxy)methane
 Concen: 5.00 ug/ml
 RT: 7.661 min Scan# 1922
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

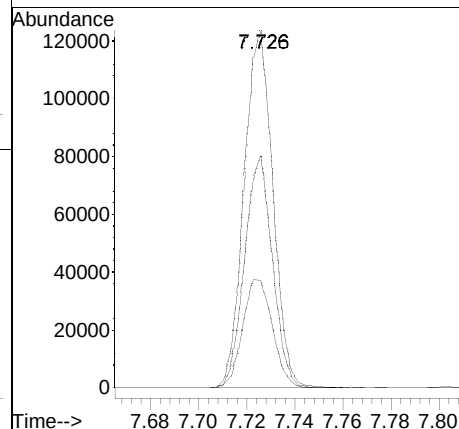
Tgt Ion:	93	Resp:	125962
Ion Ratio	Lower	Upper	
93	100		
95	31.9	25.8	38.8
123	12.4	10.1	15.1

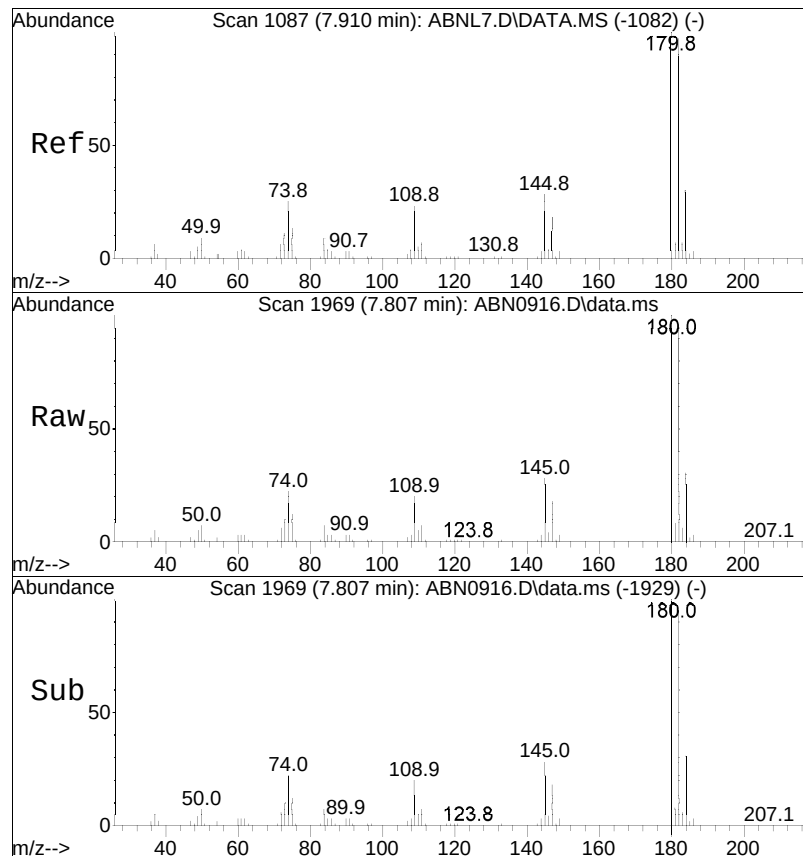




#25
 2,4-Dichlorophenol
 Concen: 5.29 ug/ml
 RT: 7.726 min Scan# 1943
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

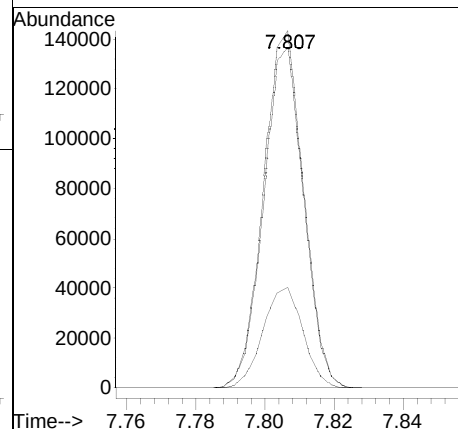
Tgt Ion:	162	Resp:	101982
Ion Ratio	Lower	Upper	
162	100		
164	62.9	51.0	76.4
98	31.6	32.2	48.2#

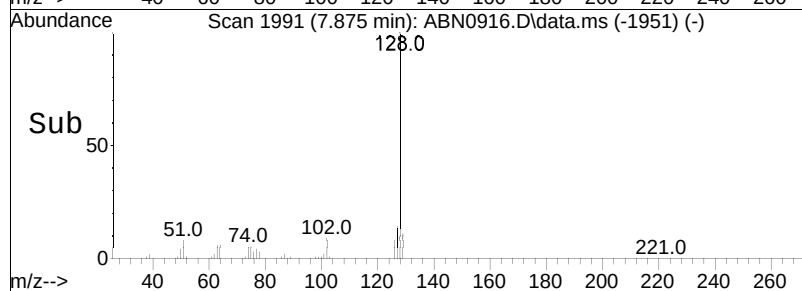
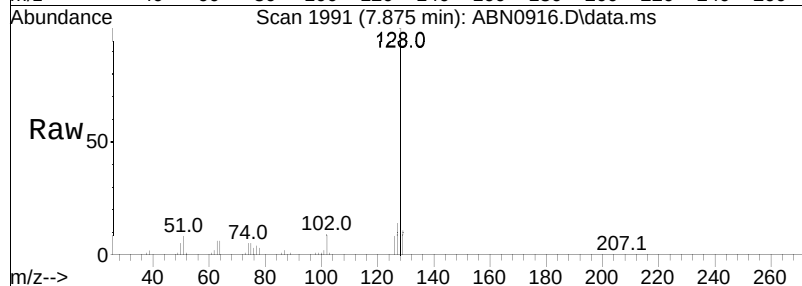
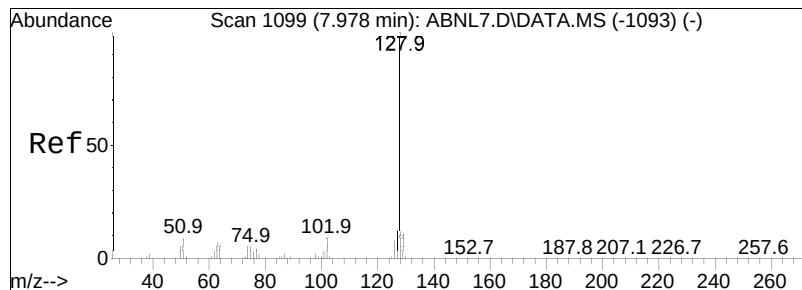




#26
 1,2,4-Trichlorobenzene
 Concen: 4.59 ug/ml
 RT: 7.807 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

Tgt Ion:	180	Resp:	115397
Ion Ratio	Lower	Upper	
180	100		
182	94.8	76.0	114.0
145	28.2	25.7	38.5





#36

Naphthalene

Concen: 4.53 ug/ml

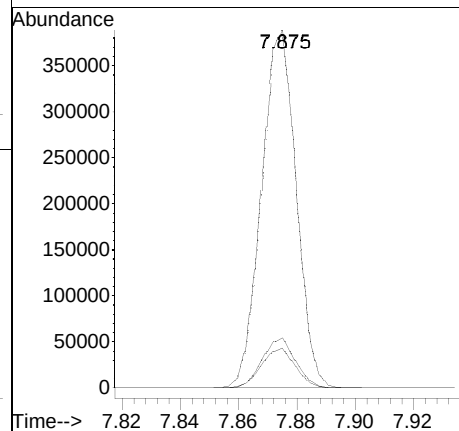
RT: 7.875 min Scan# 1991

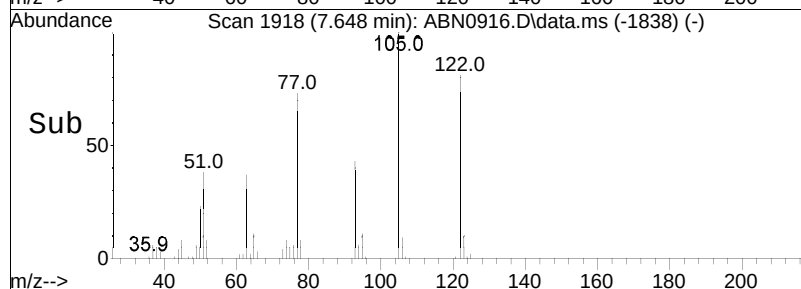
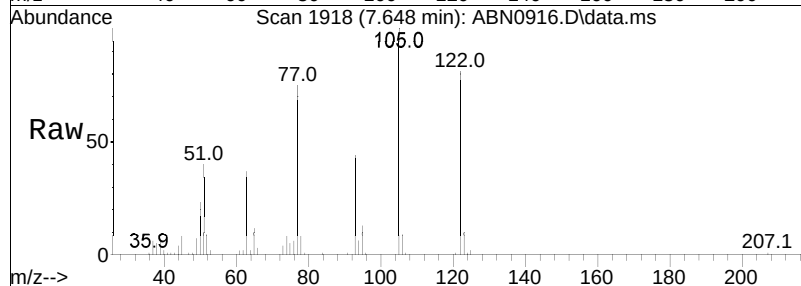
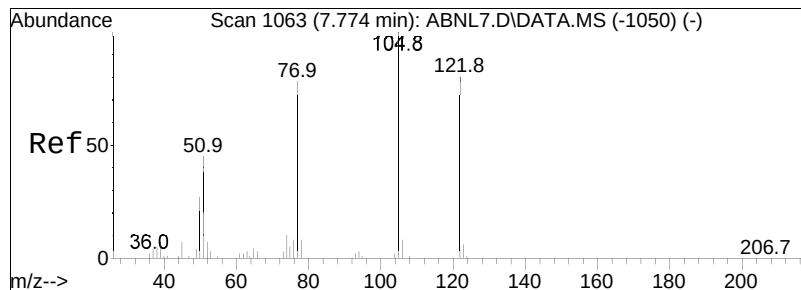
Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

Tgt	Ion:128	Resp:	316916
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.5	10.3	15.5





#37

Benzoic Acid

Concen: 4.12 ug/ml

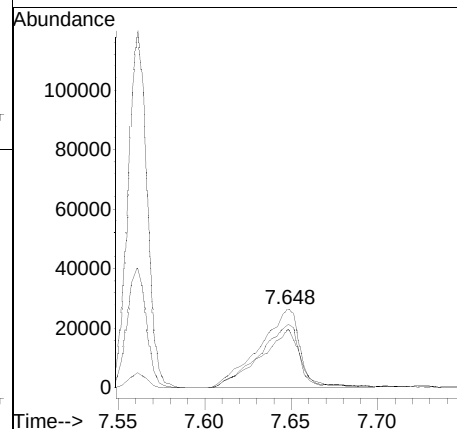
RT: 7.648 min Scan# 1918

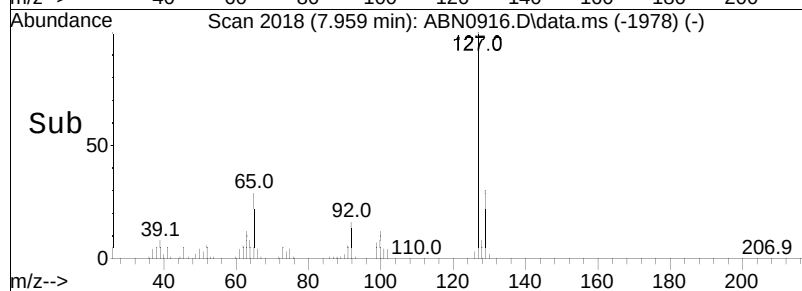
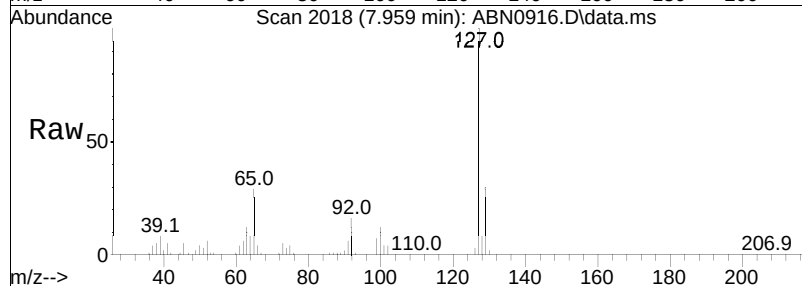
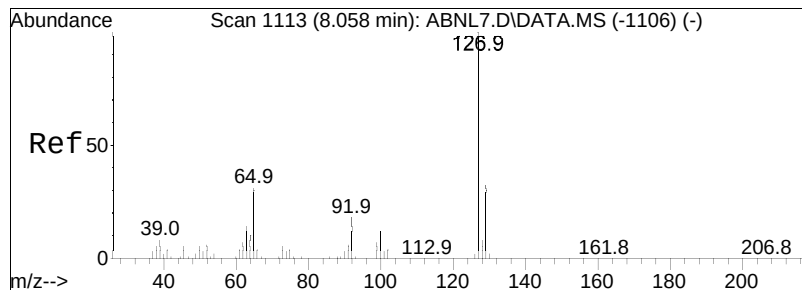
Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

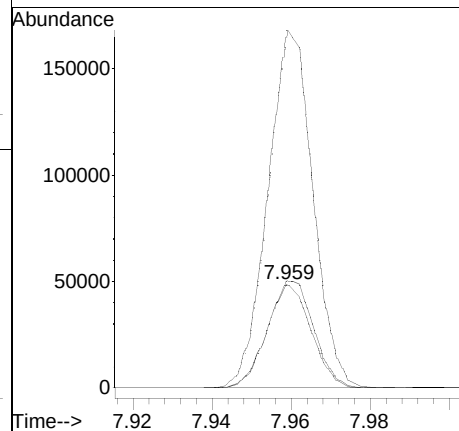
Tgt Ion:	105	Resp:	44485
Ion Ratio	Lower	Upper	
105	100		
122	80.8	59.9	89.9
77	72.0	60.1	90.1

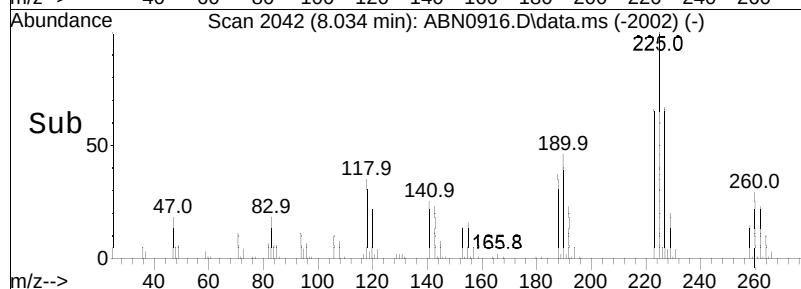
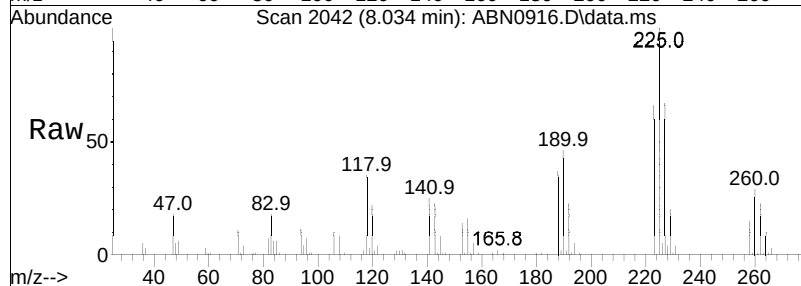
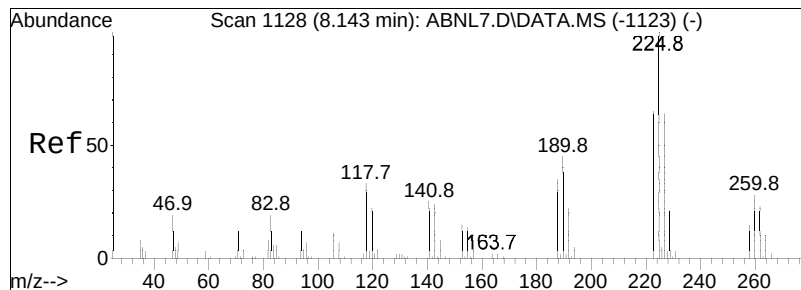




#38
 4-Chloroaniline
 Concen: 4.74 ug/ml
 RT: 7.959 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

Tgt Ion	Ratio	Lower	Upper
65	100		
127	350.7	237.6	356.4
129	108.0	76.3	114.5





#39

Hexachlorobutadiene

Concen: 4.25 ug/ml

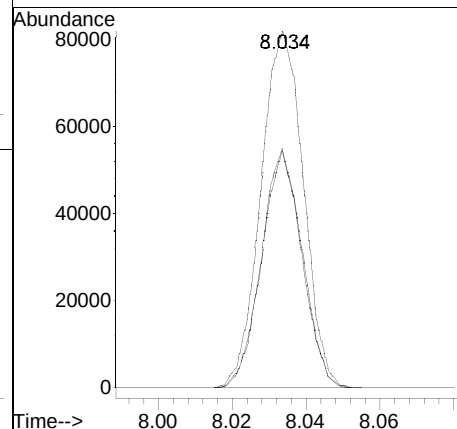
RT: 8.034 min Scan# 2042

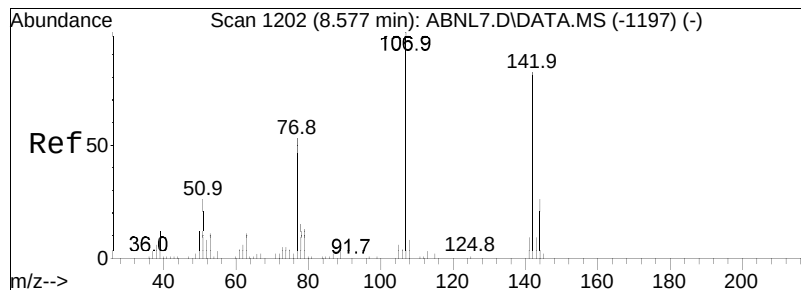
Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

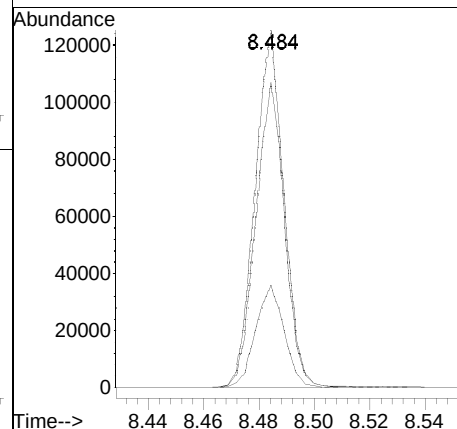
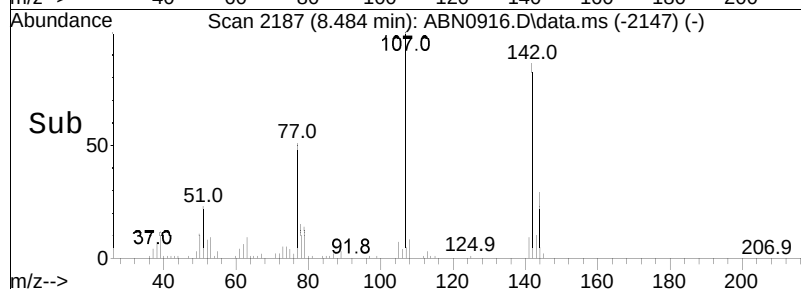
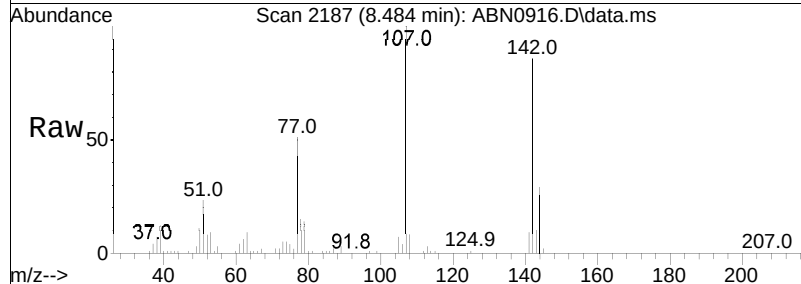
Tgt Ion:	225	Resp:	65294
Ion Ratio	Lower	Upper	
225	100		
223	63.1	50.3	75.5
227	64.4	52.2	78.2

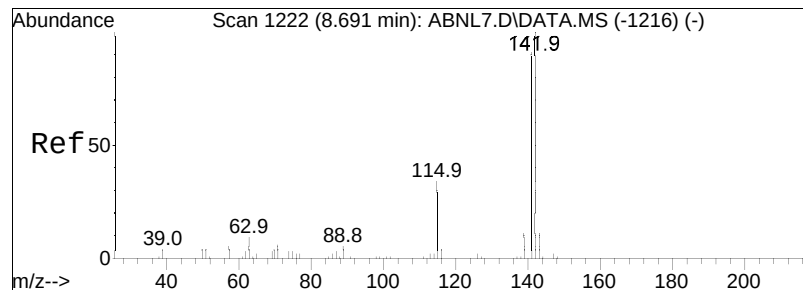




#40
 p-Chloro-m-cresol
 Concen: 5.28 ug/ml
 RT: 8.484 min Scan# 2187
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

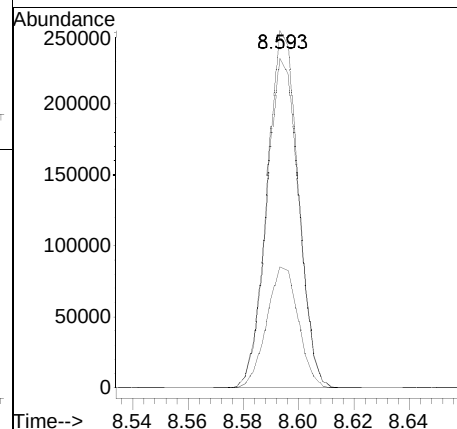
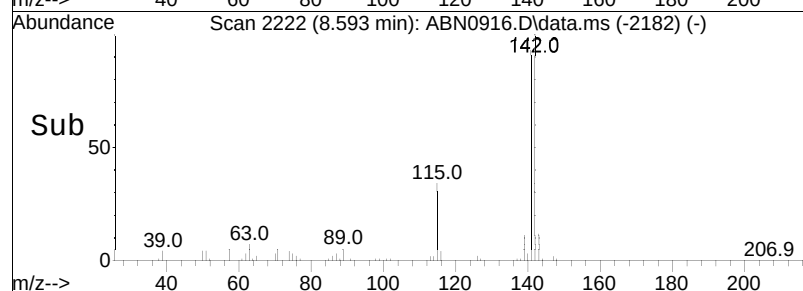
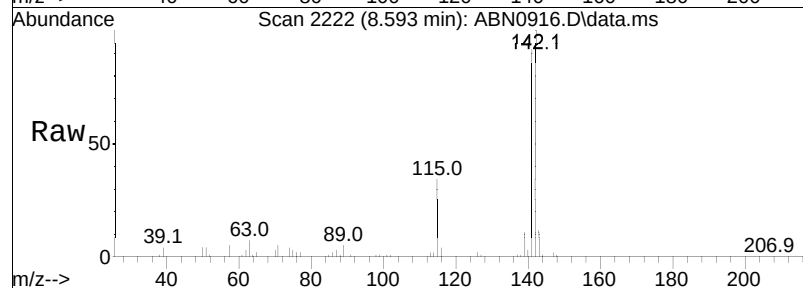
Tgt Ion:	107	Resp:	89610
Ion Ratio	Lower	Upper	
107	100		
144	28.5	20.9	31.3
142	85.1	66.1	99.1

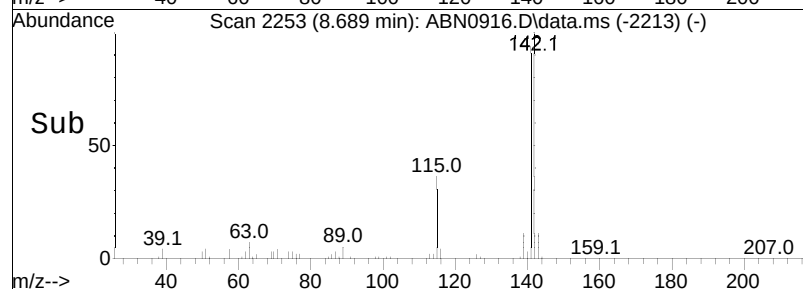
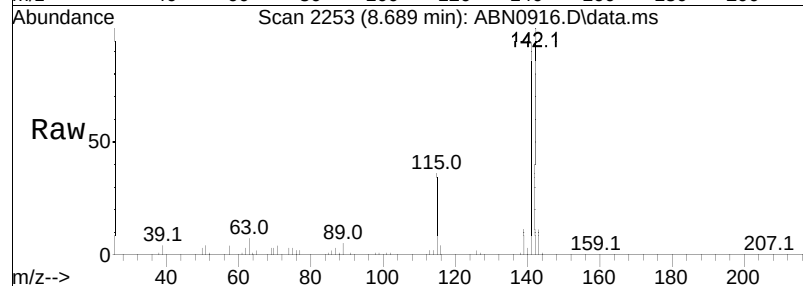
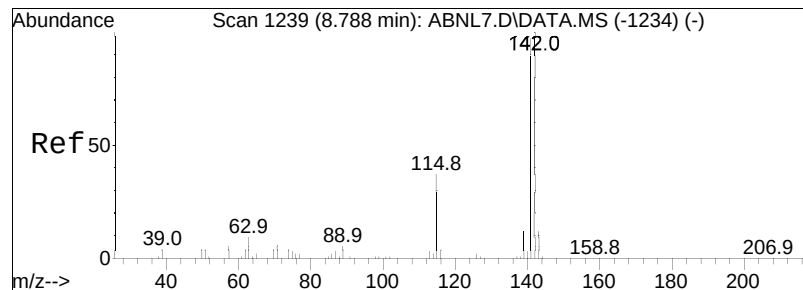




#41
 2-Methylnaphthalene
 Concen: 4.72 ug/ml
 RT: 8.593 min Scan# 2222
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

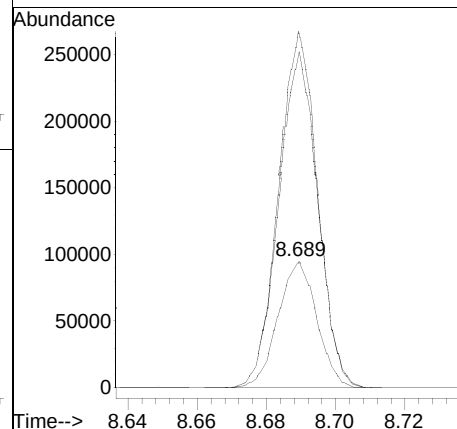
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	198320		
141	93.7	69.6	104.4	
115	34.2	26.6	40.0	

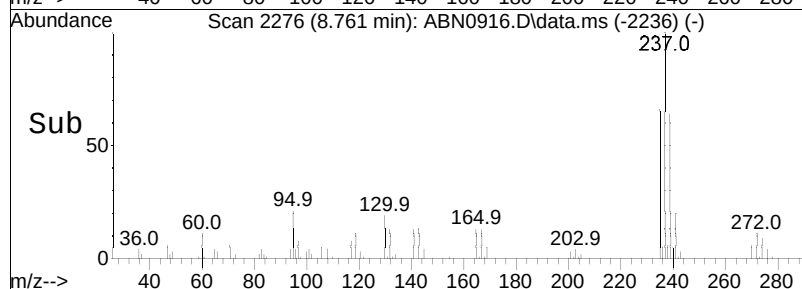
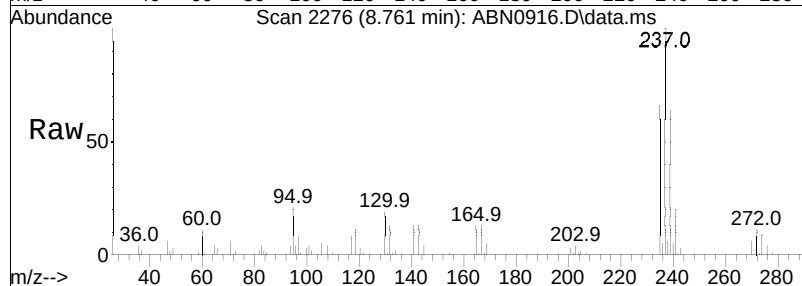
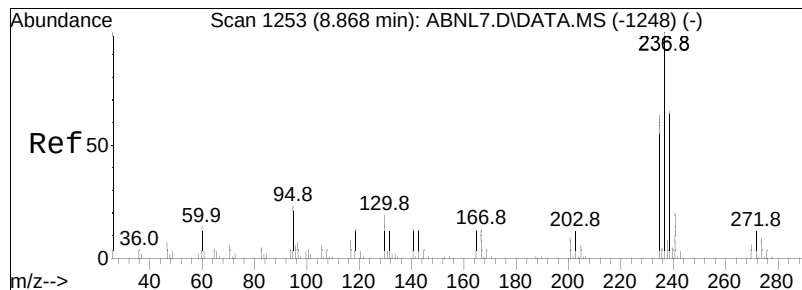




#42
 1-Methylnaphthalene
 Concen: 4.65 ug/ml
 RT: 8.689 min Scan# 2253
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

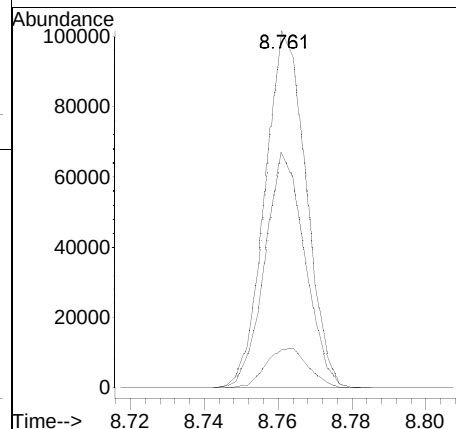
Tgt Ion:	115	Resp:	73889
Ion Ratio	Lower	Upper	
115	100		
141	266.6	207.8	311.6
142	282.2	226.8	340.2

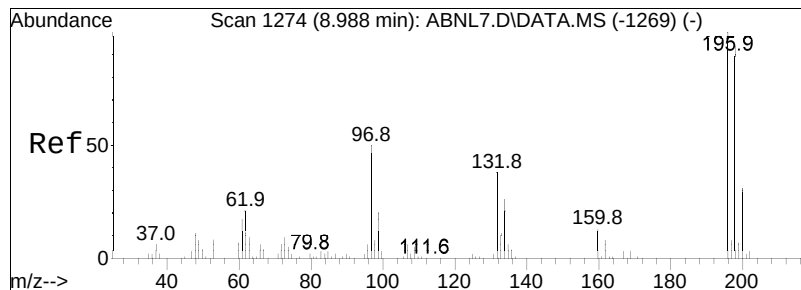




#43
 Hexachlorocyclopentadiene
 Concen: 4.84 ug/ml
 RT: 8.761 min Scan# 2276
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	78320		
235	64.7		49.7	74.5
272	11.7		9.8	14.6





#44

2,4,6-Trichlorophenol

Concen: 5.35 ug/ml

RT: 8.888 min Scan# 2317

Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

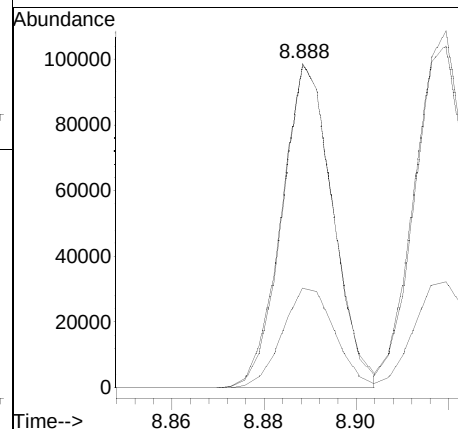
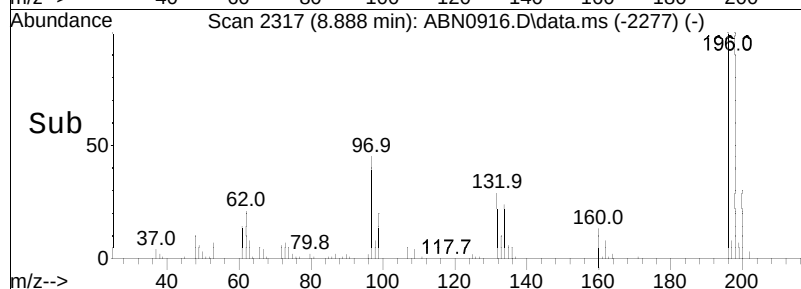
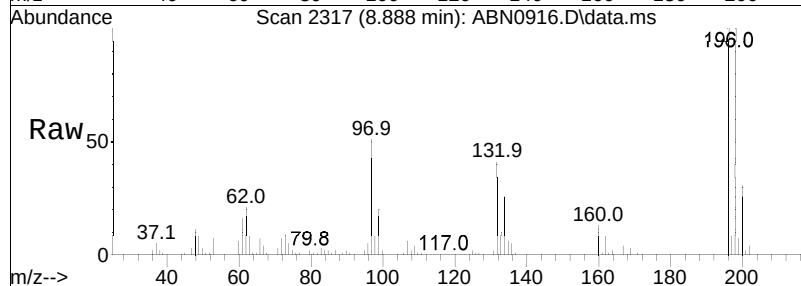
Tgt Ion:196 Resp: 76279

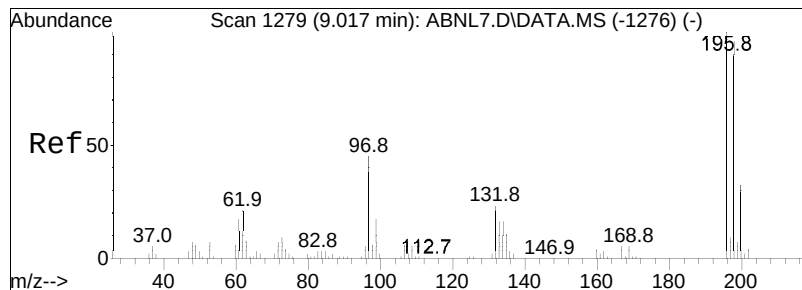
Ion Ratio Lower Upper

196 100

198 98.2 77.5 116.3

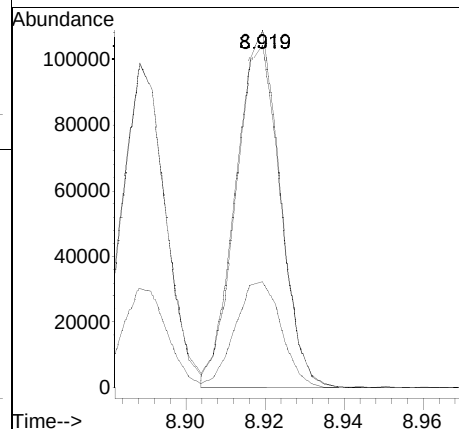
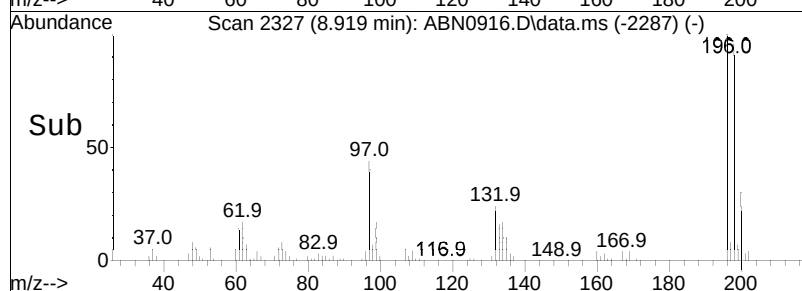
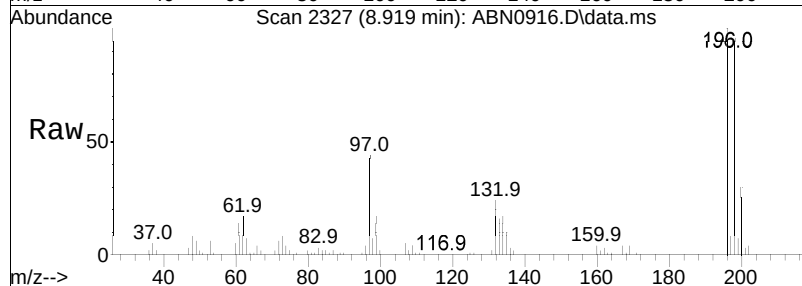
200 31.6 23.8 35.6

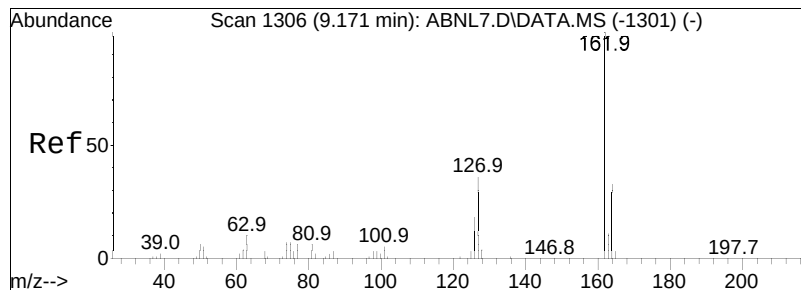




#45
 2,4,5-Trichlorophenol
 Concen: 5.52 ug/ml
 RT: 8.919 min Scan# 2327
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

Tgt Ion	Ratio	Lower	Upper
196	100		
200	31.4	25.4	38.0
198	96.9	78.0	117.0





#47

2-Chloronaphthalene

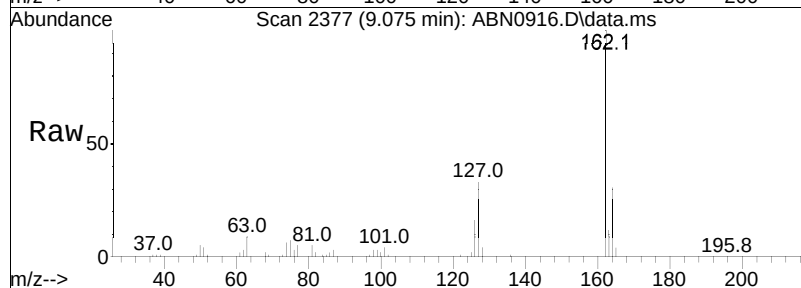
Concen: 4.68 ug/ml

RT: 9.075 min Scan# 2377

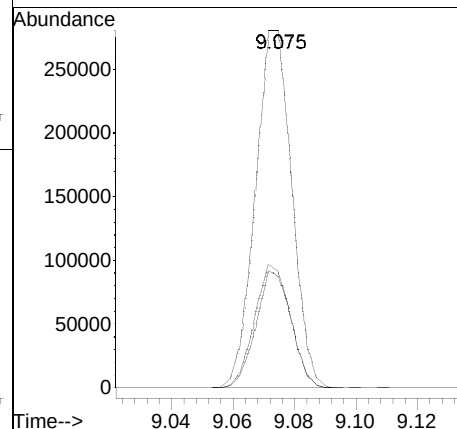
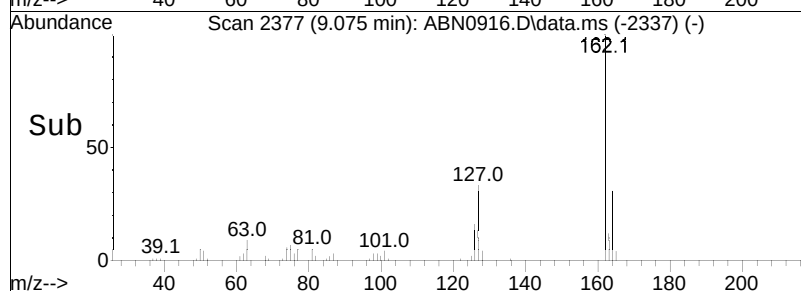
Delta R.T. 0.000 min

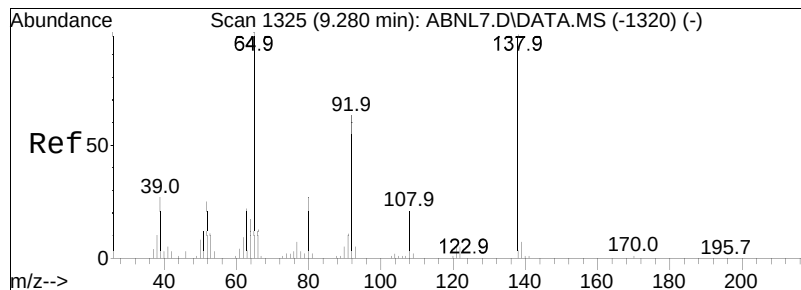
Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am



Tgt	Ion:162	Resp:	228200
Ion	Ratio	Lower	Upper
162	100		
127	34.3	32.2	48.4
164	31.9	25.7	38.5





#48

2-Nitroaniline

Concen: 5.94 ug/ml

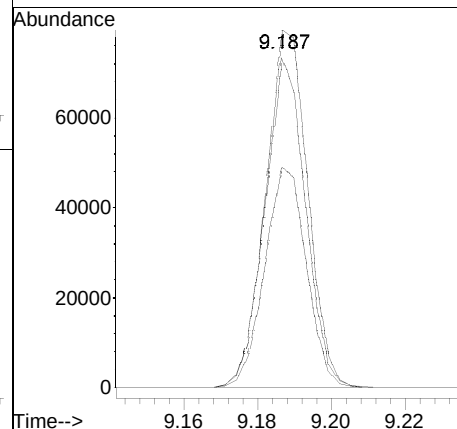
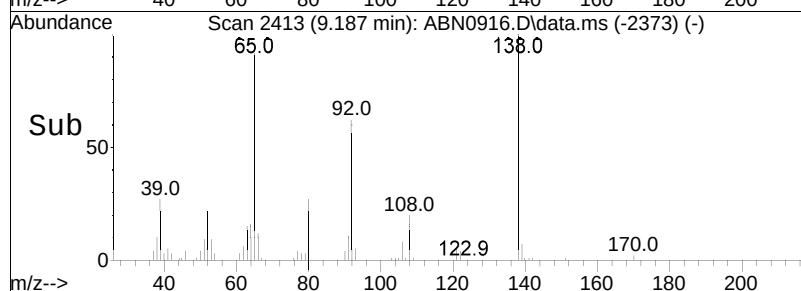
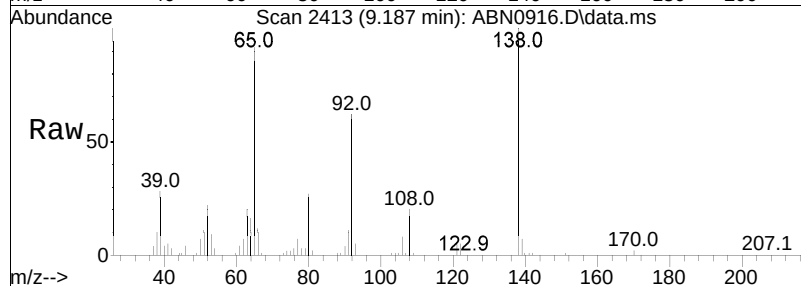
RT: 9.187 min Scan# 2413

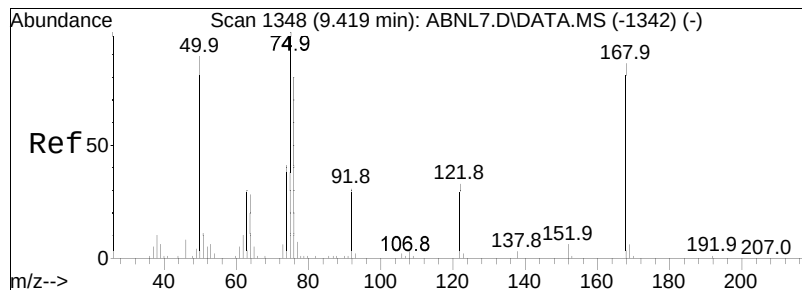
Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

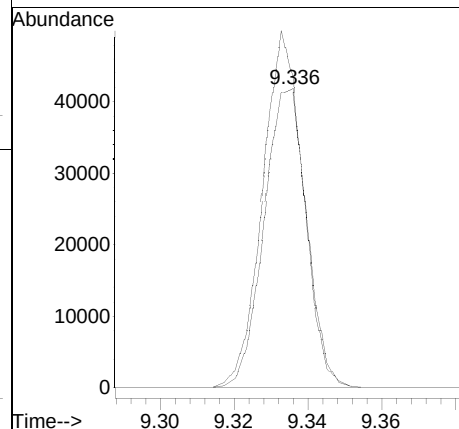
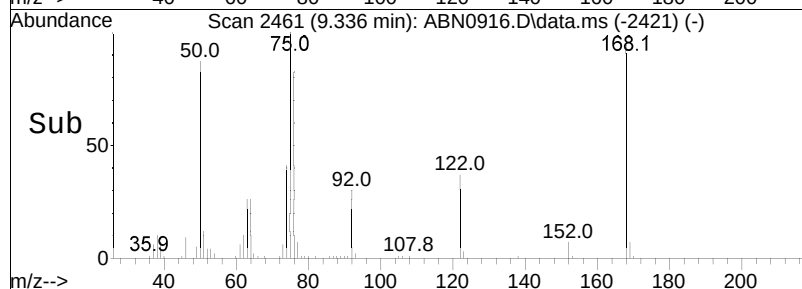
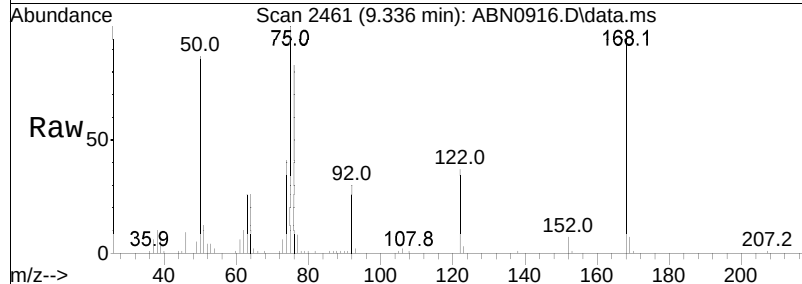
Tgt	Ion:138	Resp:	62610
Ion	Ratio	Lower	Upper
138	100		
92	61.1	53.5	80.3
65	88.7	86.3	129.5

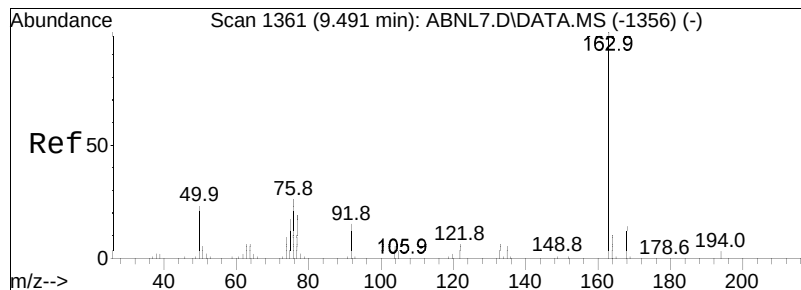




#49
 1,4-Dinitrobenzene
 Concen: 6.55 ug/ml
 RT: 9.336 min Scan# 2461
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

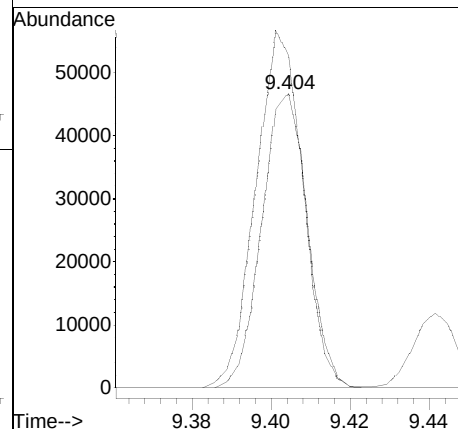
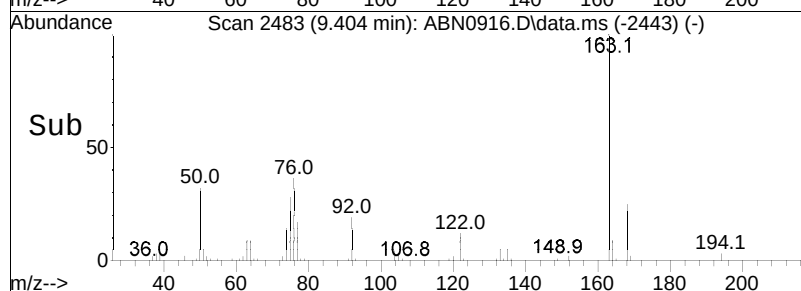
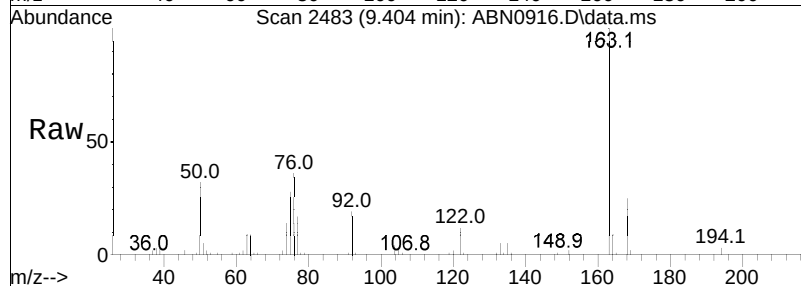
Tgt Ion	Ratio	Lower	Upper
168	100		
75	113.0	121.8	182.8#

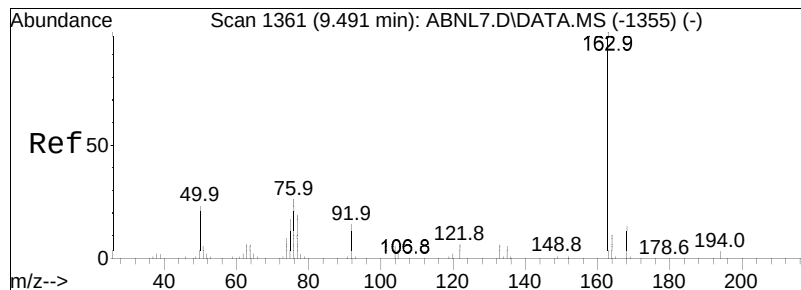




#50
 1,3-Dinitrobenzene
 Concen: 6.06 ug/ml
 RT: 9.404 min Scan# 2483
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

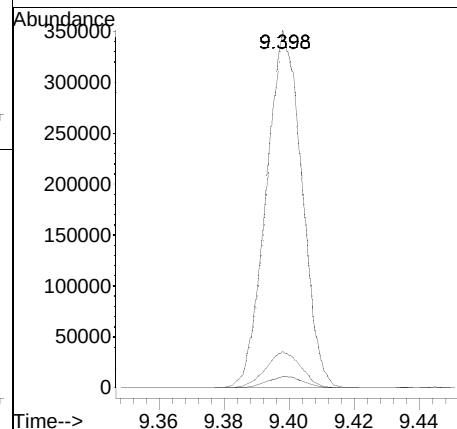
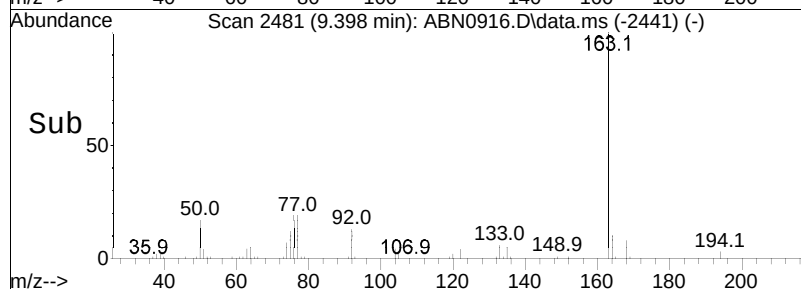
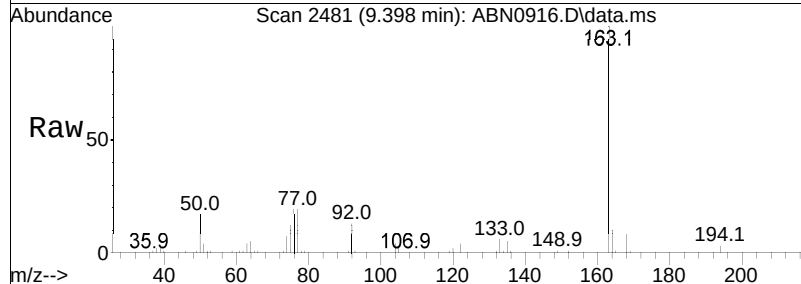
Tgt Ion:168 Resp: 37339
 Ion Ratio Lower Upper
 168 100
 75 124.7 22.7 34.1#

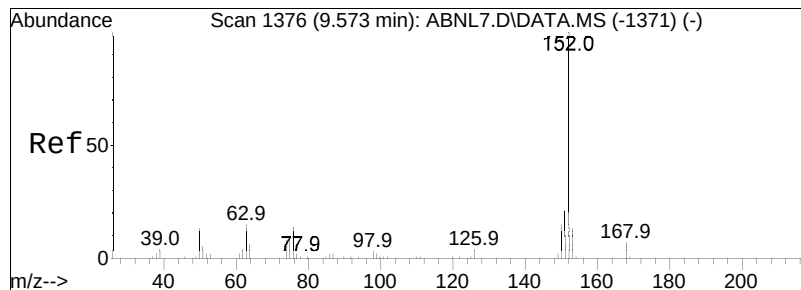




#51
 Dimethyl phthalate
 Concen: 5.17 ug/ml
 RT: 9.398 min Scan# 2481
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.5	5.3#
164	10.2	7.9	11.9





#52

Acenaphthylene

Concen: 4.95 ug/ml

RT: 9.476 min Scan# 2506

Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

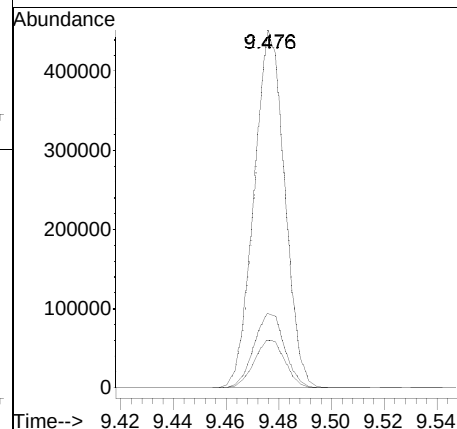
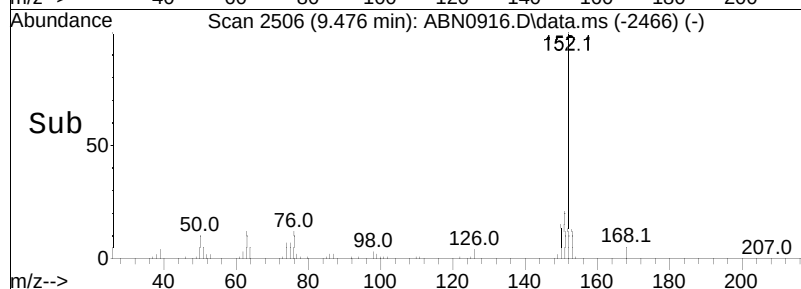
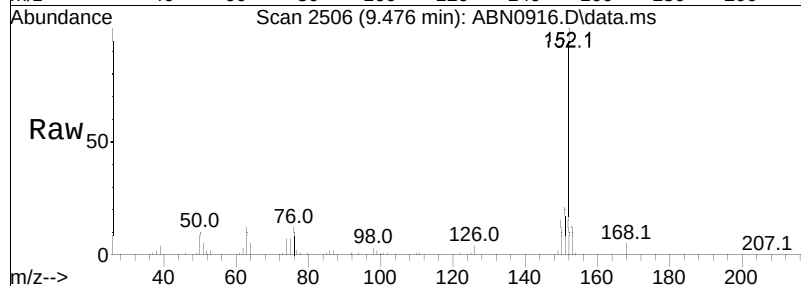
Tgt Ion:152 Resp: 361715

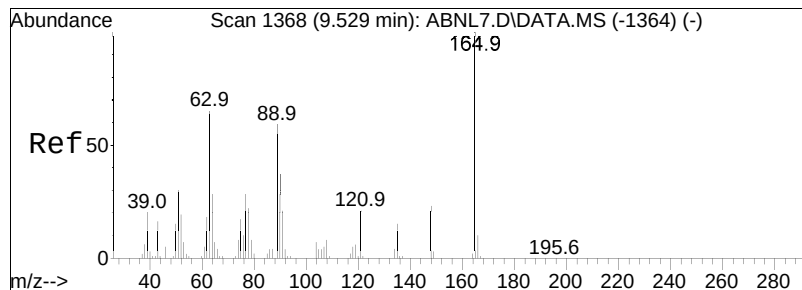
Ion Ratio Lower Upper

152 100

151 21.0 15.8 23.6

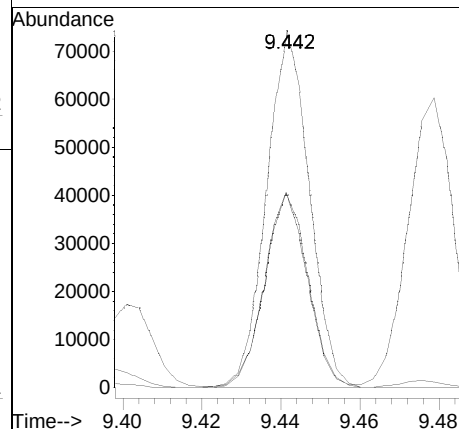
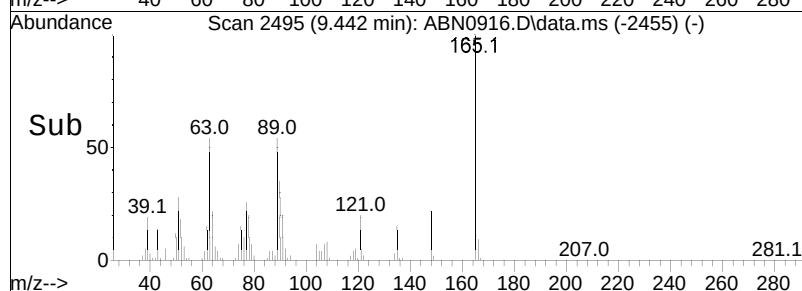
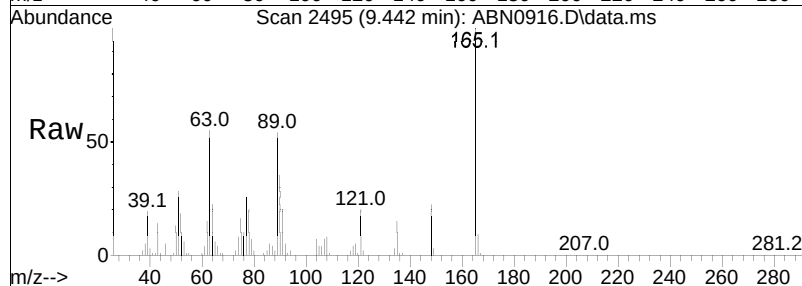
153 13.5 10.5 15.7

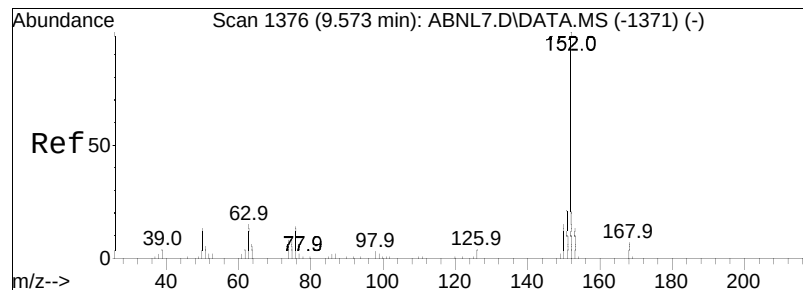




#53
 2,6-Dinitrotoluene
 Concen: 6.40 ug/ml
 RT: 9.442 min Scan# 2495
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

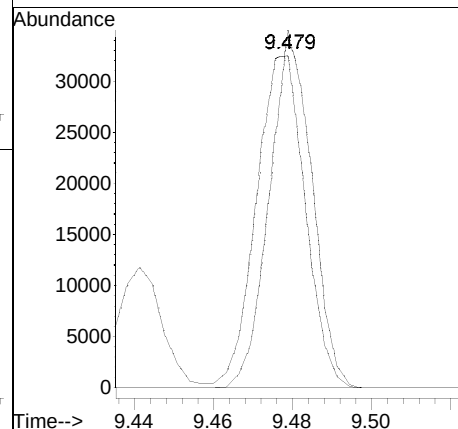
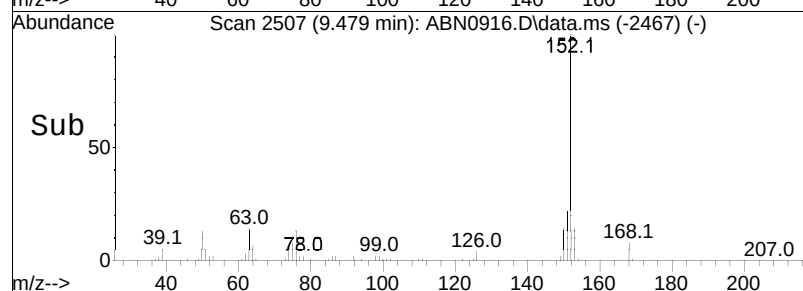
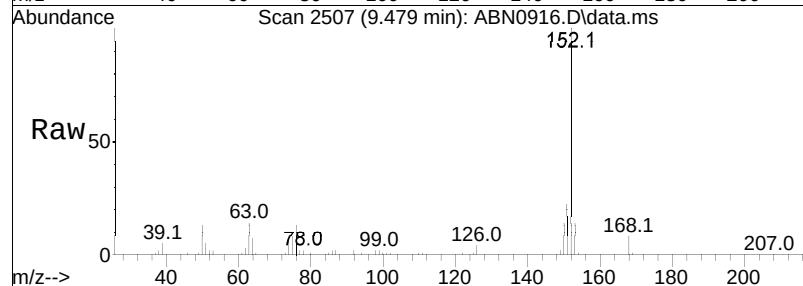
Tgt Ion	Ratio	Lower	Upper
165	100		
89	55.2	54.2	81.2
63	55.1	64.2	96.2#

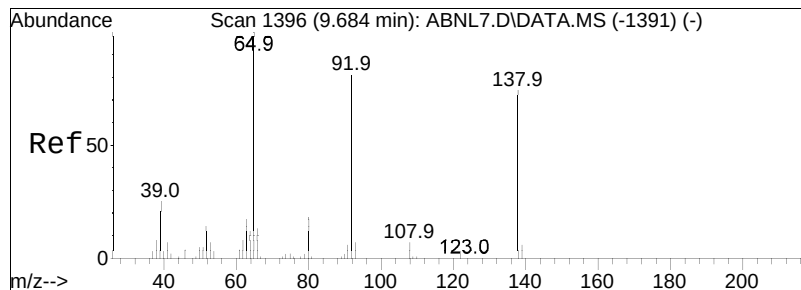




#54
 1,2-Dinitrobenzene
 Concen: 6.53 ug/ml
 RT: 9.479 min Scan# 2507
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

Tgt Ion	Ratio	Lower	Upper
168	100		
75	107.3	30.9	46.3#





#64

3-Nitroaniline

Concen: 6.16 ug/ml

RT: 9.594 min Scan# 2544

Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

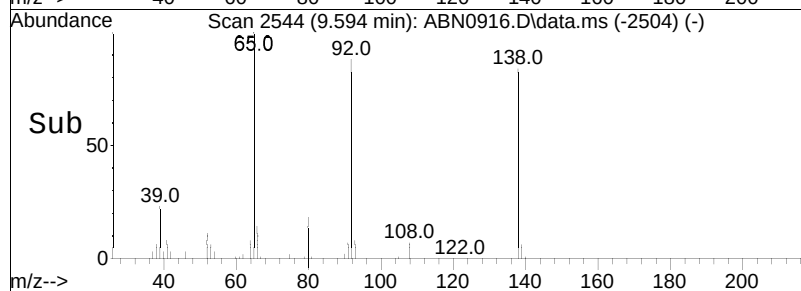
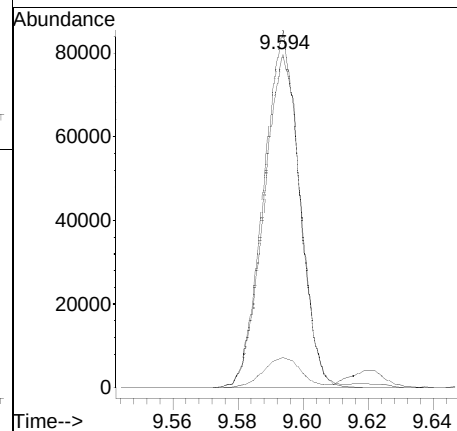
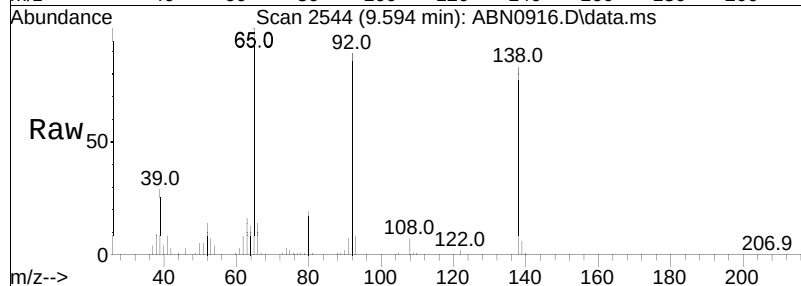
Tgt Ion:138 Resp: 61443

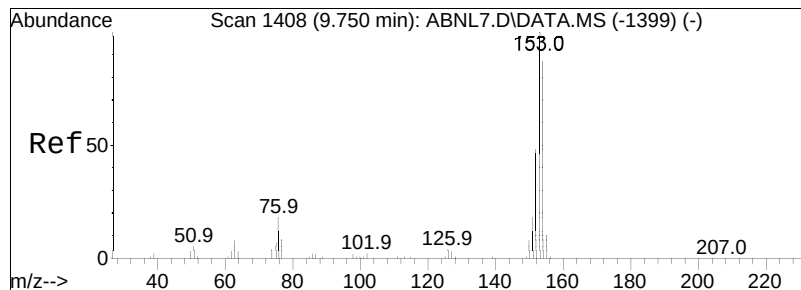
Ion Ratio Lower Upper

138 100

92 105.5 93.4 140.2

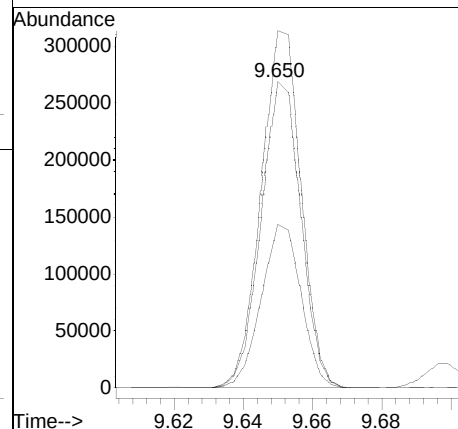
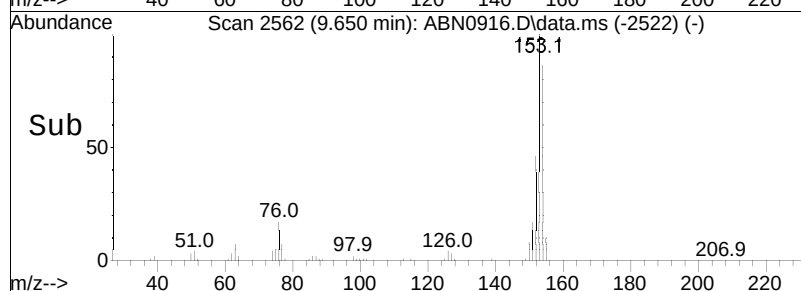
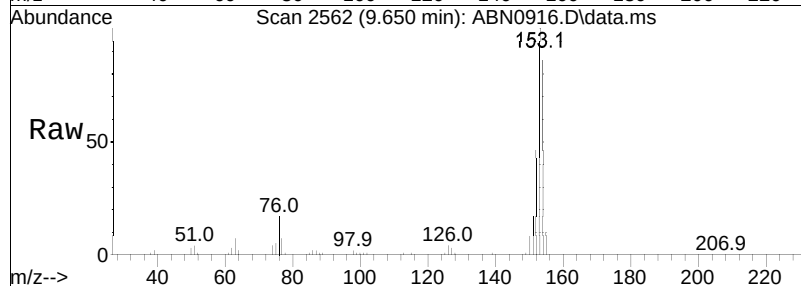
108 9.5 9.5 14.3

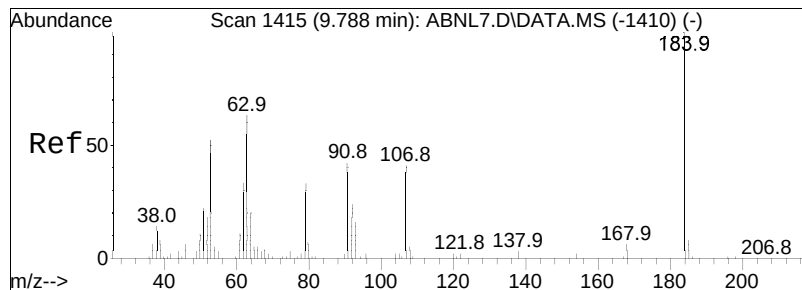




#65
 Acenaphthene
 Concen: 4.63 ug/ml
 RT: 9.650 min Scan# 2562
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

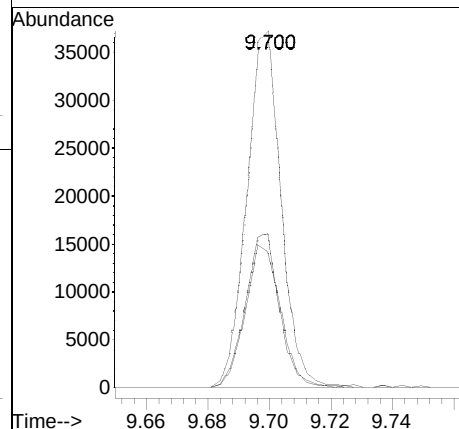
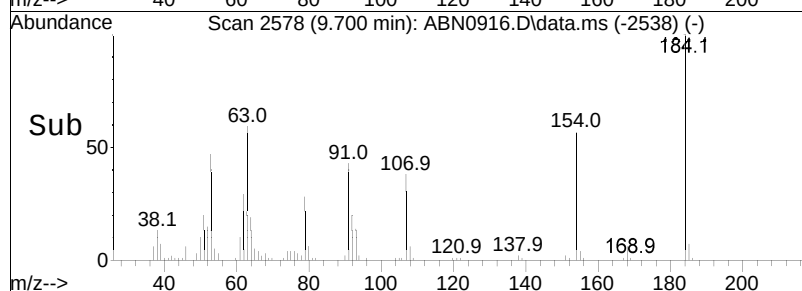
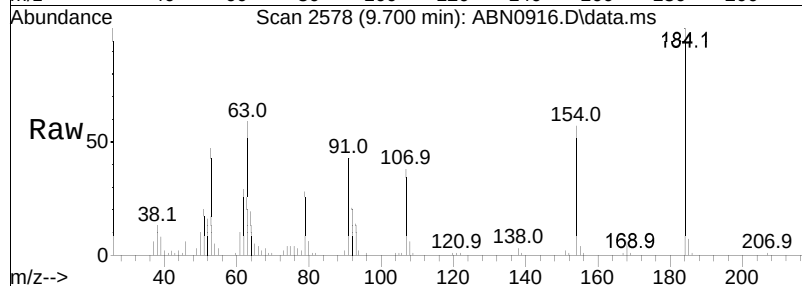
Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.5	85.3	127.9
152	53.6	41.4	62.0

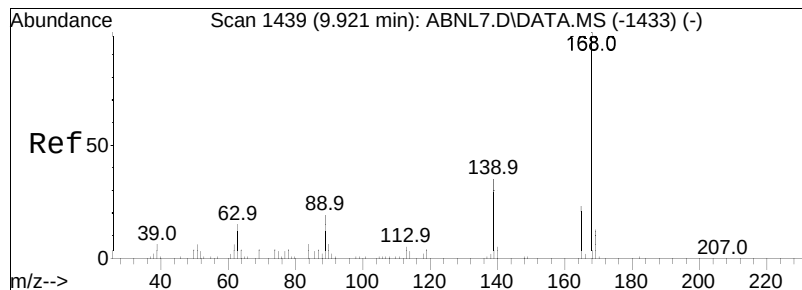




#66
 2,4-Dinitrophenol
 Concen: 5.31 ug/ml
 RT: 9.700 min Scan# 2578
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

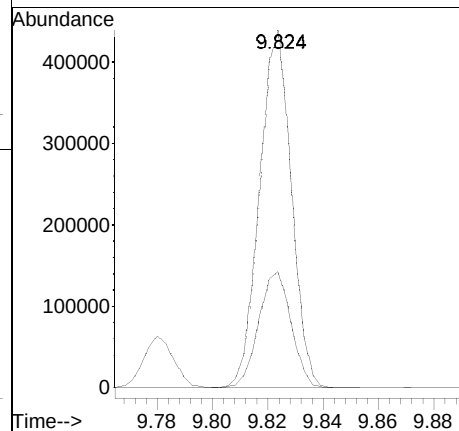
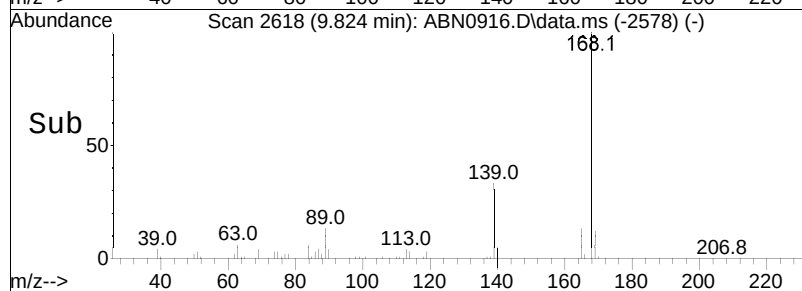
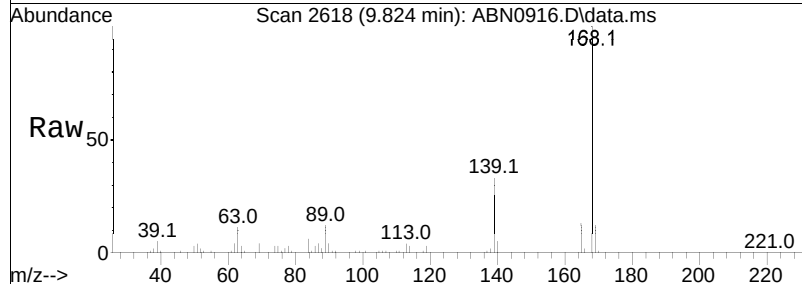
Tgt Ion	Ratio	Lower	Upper
184	100		
107	41.1	37.7	56.5
91	43.2	46.3	69.5#

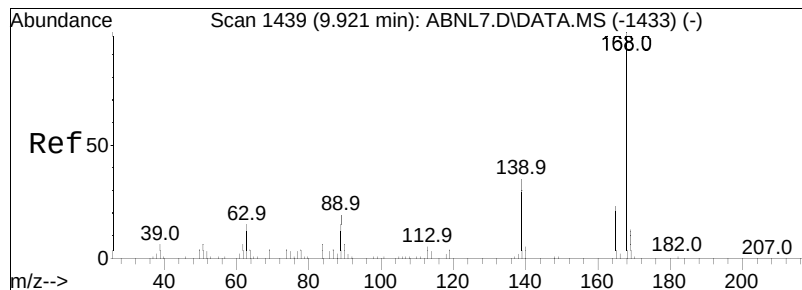




#67
Dibenzofuran
Concen: 4.67 ug/ml
RT: 9.824 min Scan# 2618
Delta R.T. 0.000 min
Lab File: ABN0916.D
Acq: 16 Sep 2025 7:02 am

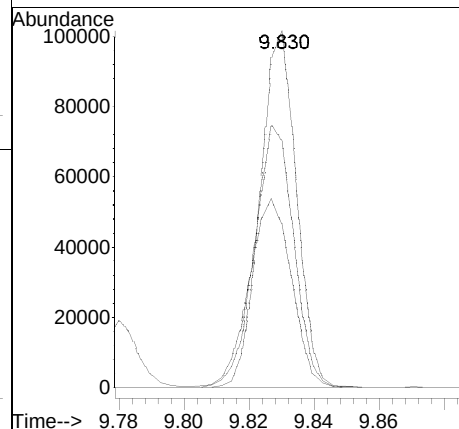
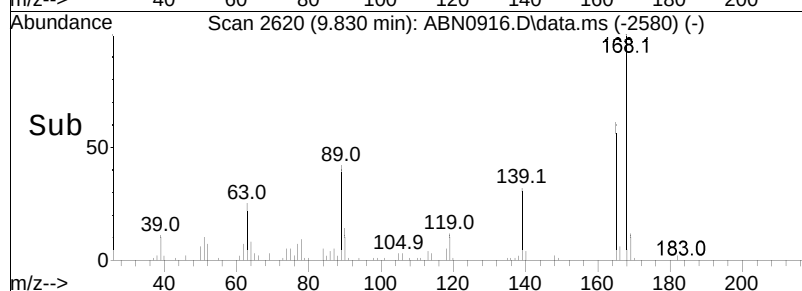
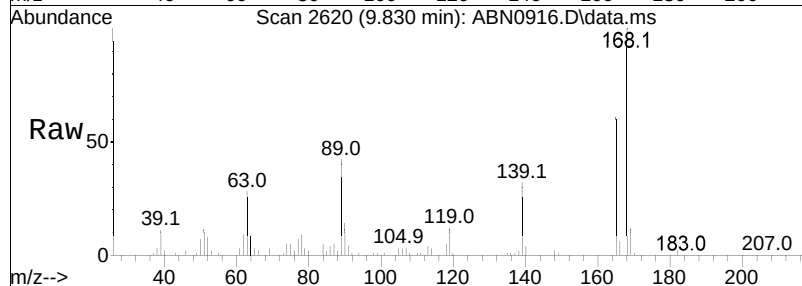
Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.4	31.4	47.2

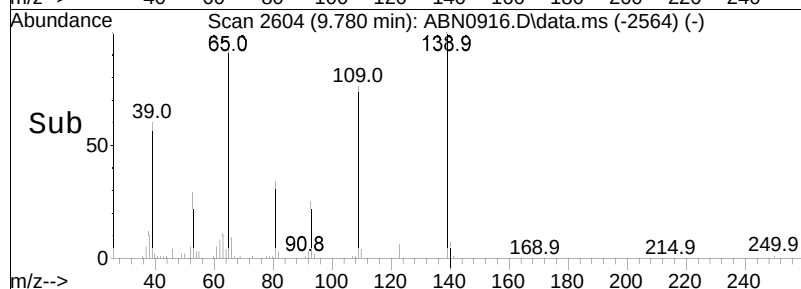
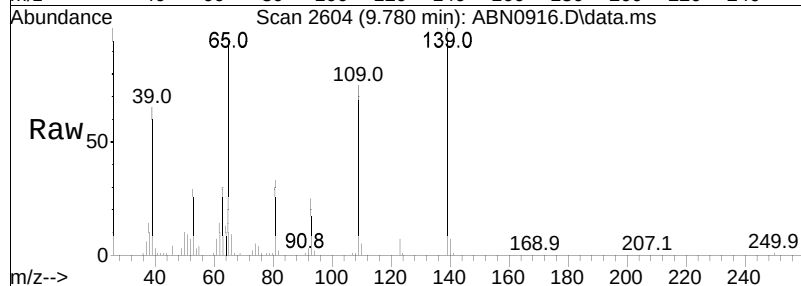
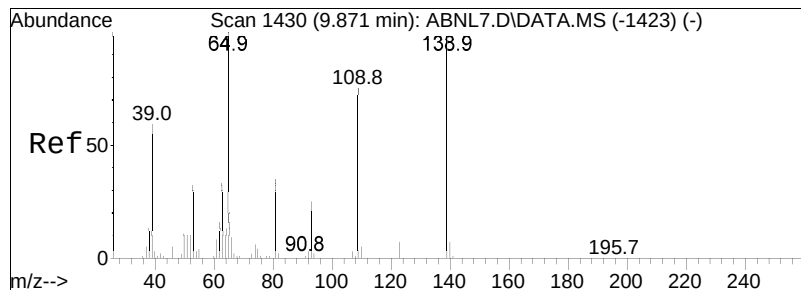




#68
 2,4-Dinitrotoluene
 Concen: 5.41 ug/ml
 RT: 9.830 min Scan# 2620
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

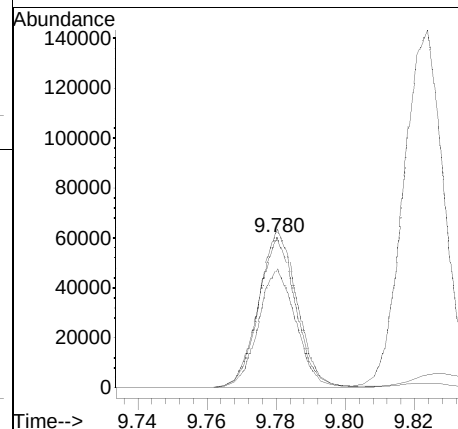
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	77904		
89	79.6		72.0	108.0
63	62.6		52.7	79.1

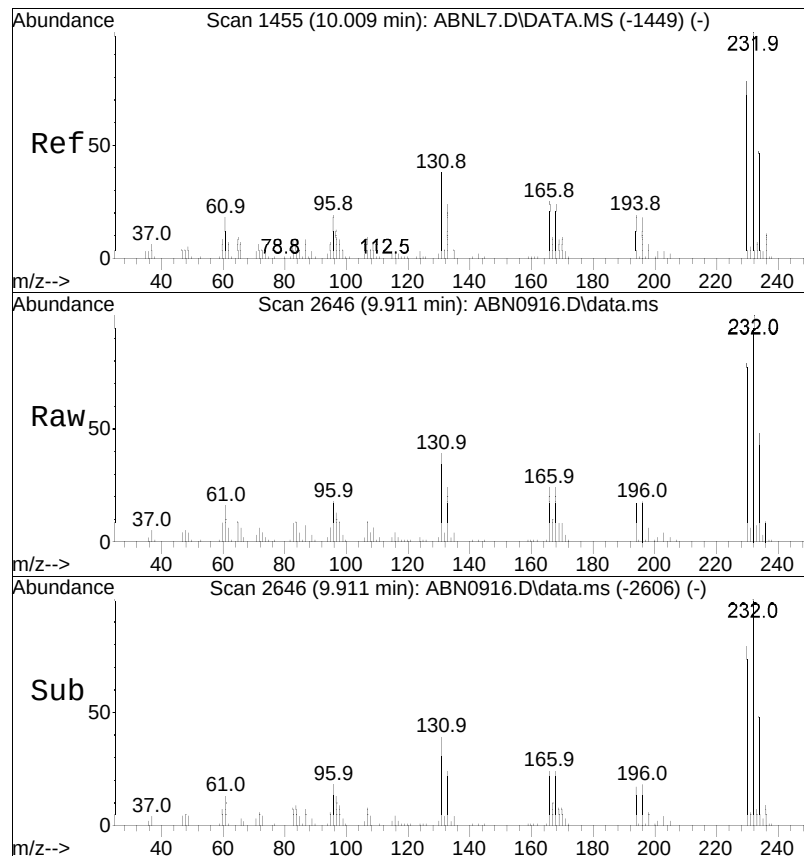




#69
 4-Nitrophenol
 Concen: 6.08 ug/ml
 RT: 9.780 min Scan# 2604
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

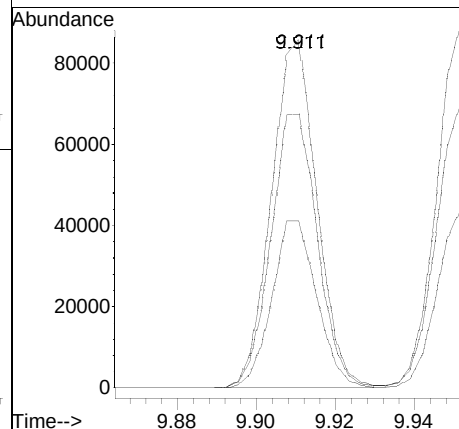
Tgt Ion:	65	109	139	Ratio	100	78.6	105.5	Resp:	45643	Lower	Upper

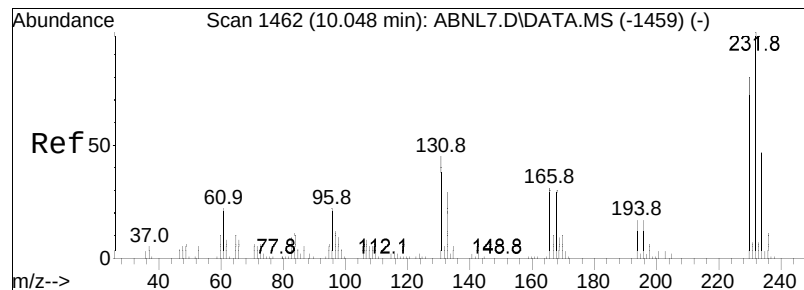




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 5.55 ug/ml
 RT: 9.911 min Scan# 2646
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

Tgt Ion:	232	Resp:	68414
Ion Ratio	Lower	Upper	
232	100		
230	80.7	64.2	96.4
234	47.5	38.1	57.1





#71

2,3,4,6-Tetrachlorophenol

Concen: 5.63 ug/ml

RT: 9.951 min Scan# 2659

Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

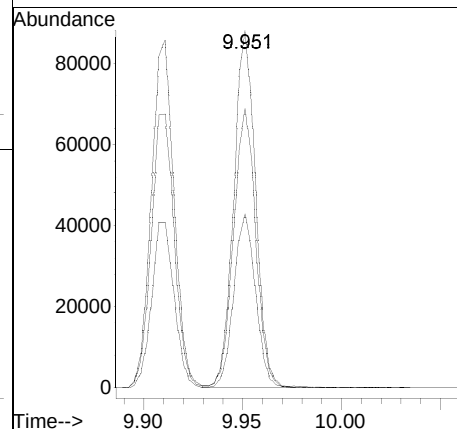
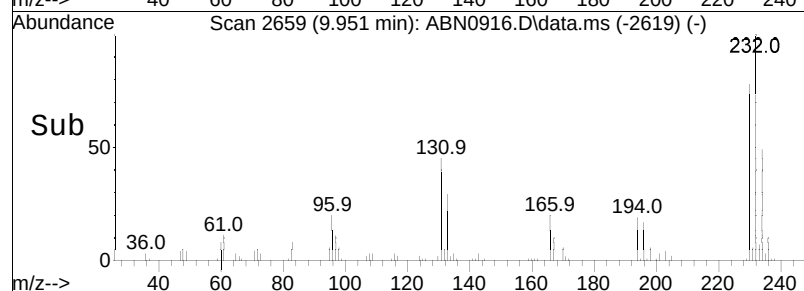
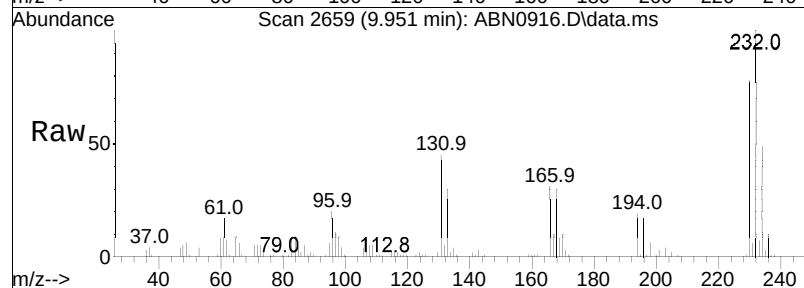
Tgt Ion:232 Resp: 68381

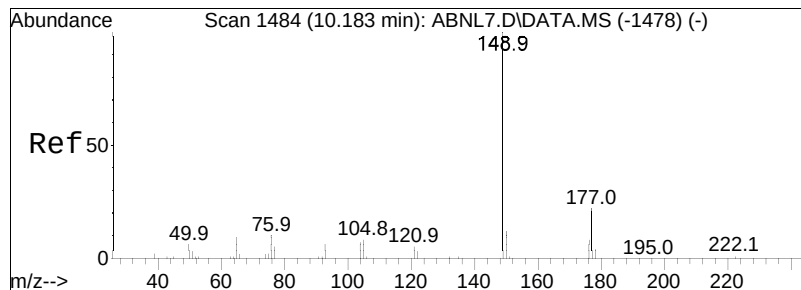
Ion Ratio Lower Upper

232 100

230 79.2 61.8 92.8

234 48.4 36.2 54.2





#72

Diethyl phthalate

Concen: 4.98 ug/ml

RT: 10.097 min Scan# 2706

Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

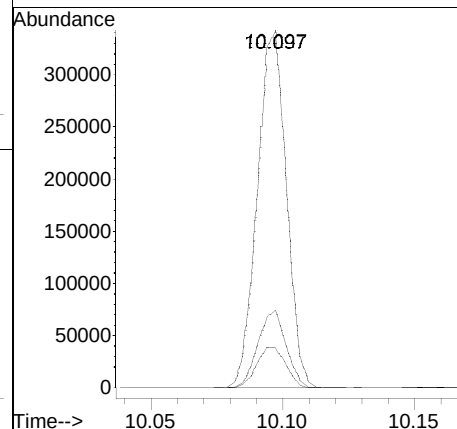
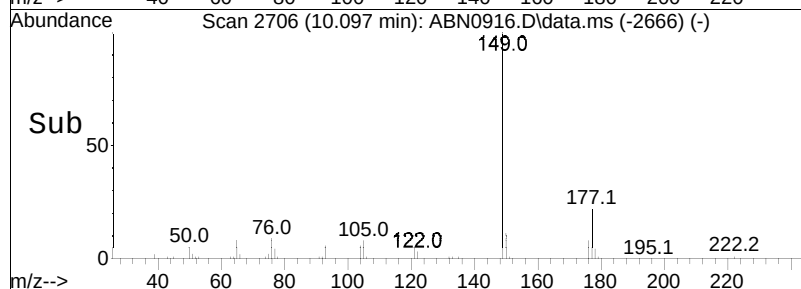
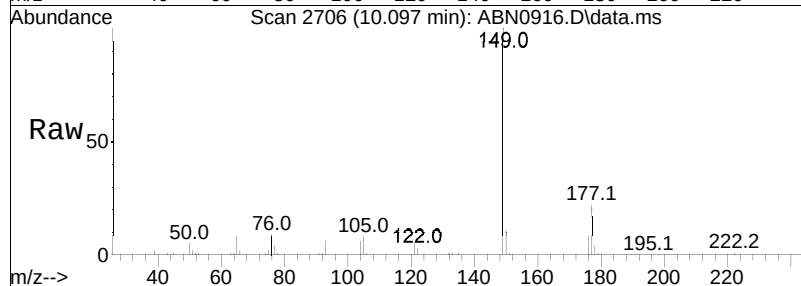
Tgt Ion:149 Resp: 257939

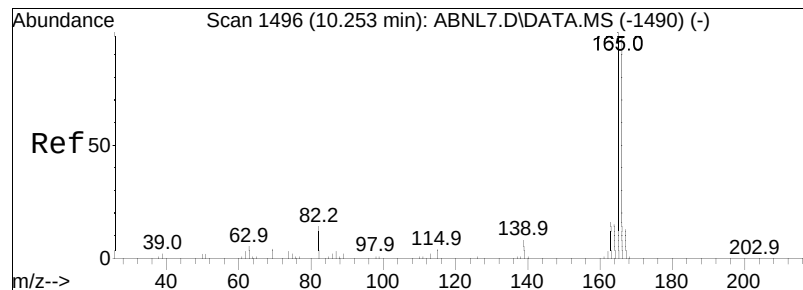
Ion Ratio Lower Upper

149 100

177 21.2 16.1 24.1

150 11.7 9.4 14.2





#73

Fluorene

Concen: 4.85 ug/ml

RT: 10.156 min Scan# 2725

Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

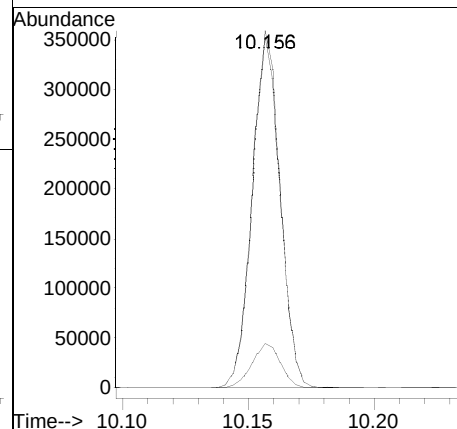
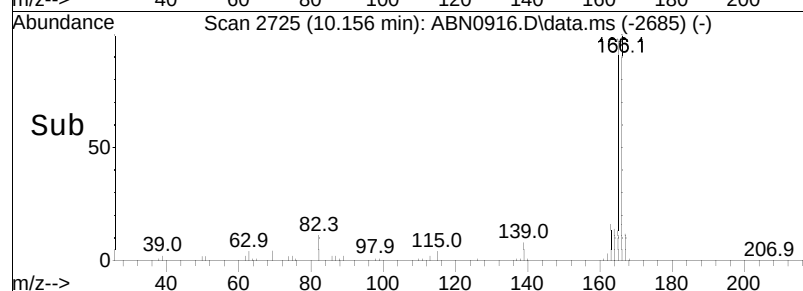
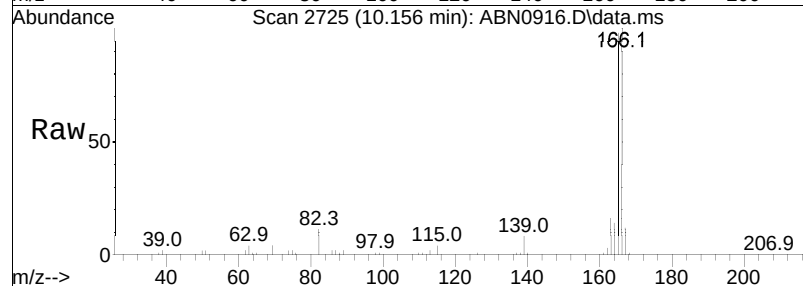
Tgt Ion:166 Resp: 277073

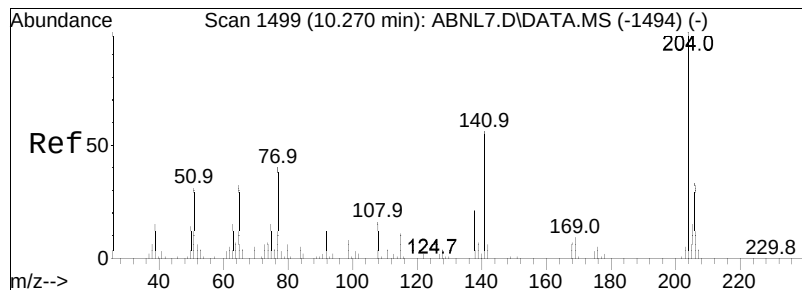
Ion Ratio Lower Upper

166 100

165 97.3 76.2 114.2

167 13.0 10.6 15.8





#74

4-Chlorophenyl phenyl ether

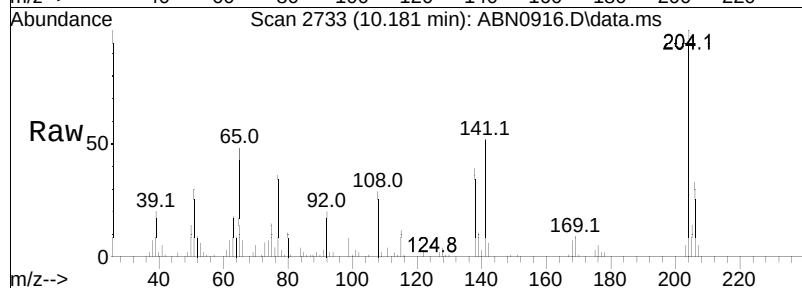
Concen: 4.63 ug/ml

RT: 10.181 min Scan# 2733

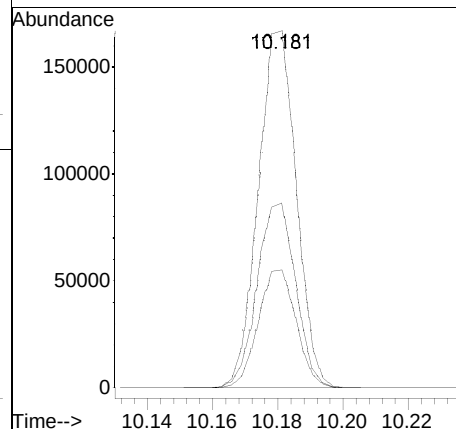
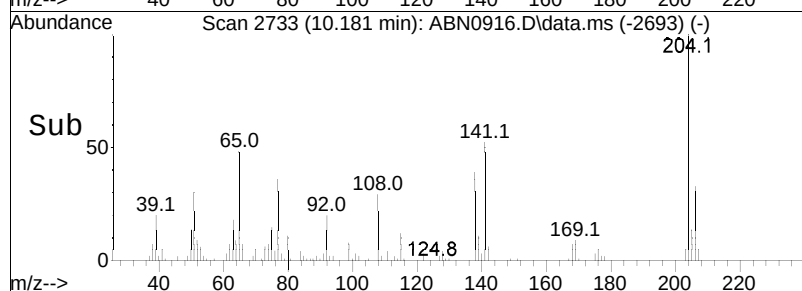
Delta R.T. 0.000 min

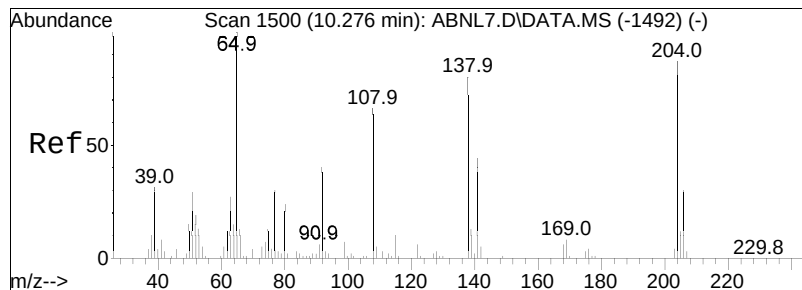
Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am



Tgt	Ion:204	Resp:	134768
Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.8	38.6
141	52.6	53.6	80.4#





#75

4-Nitroaniline

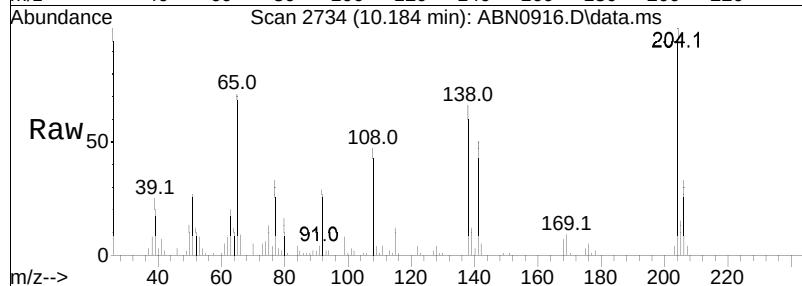
Concen: 5.99 ug/ml

RT: 10.184 min Scan# 2734

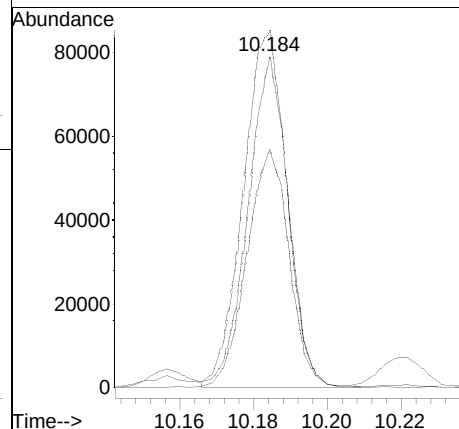
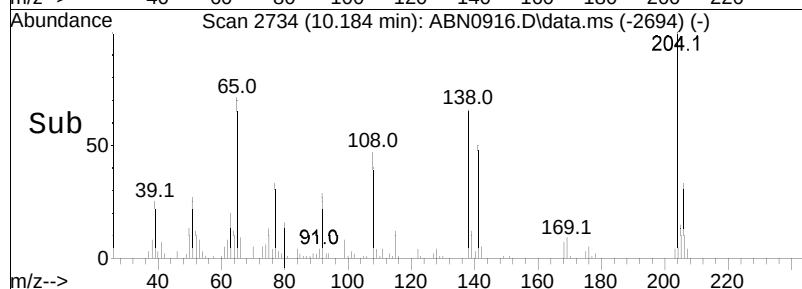
Delta R.T. 0.000 min

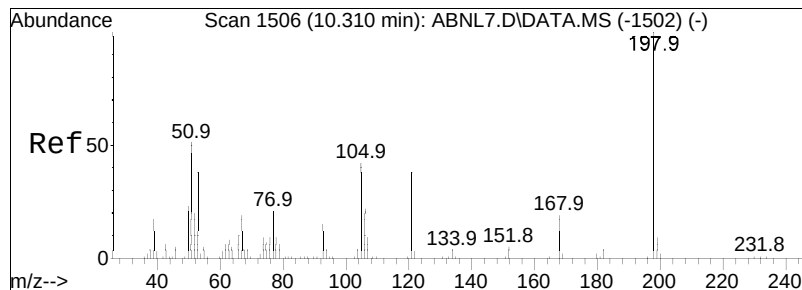
Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am



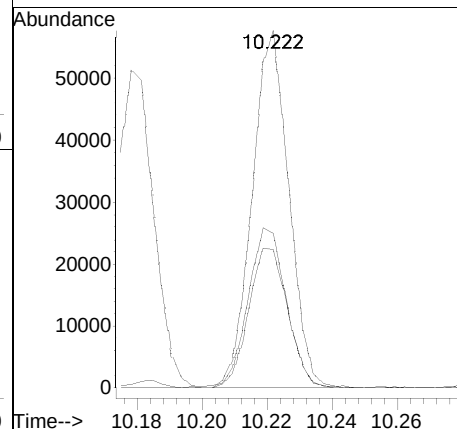
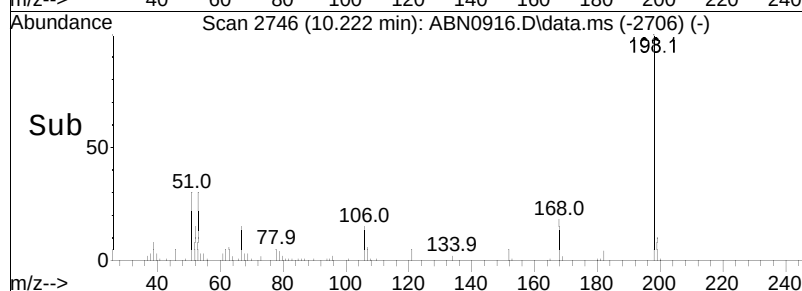
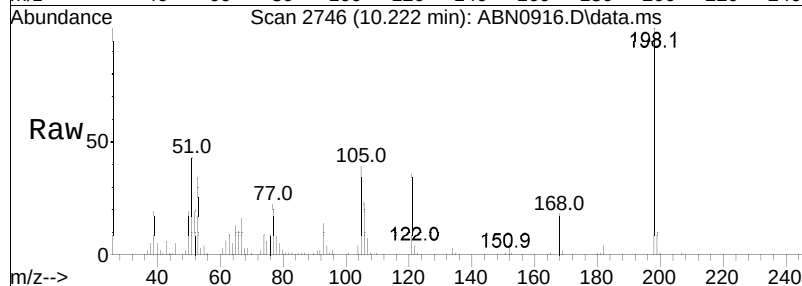
Tgt Ion:	138	Resp:	59619
Ion Ratio	Lower	Upper	
138	100		
108	75.2	52.1	78.1
65	116.0	115.0	172.6

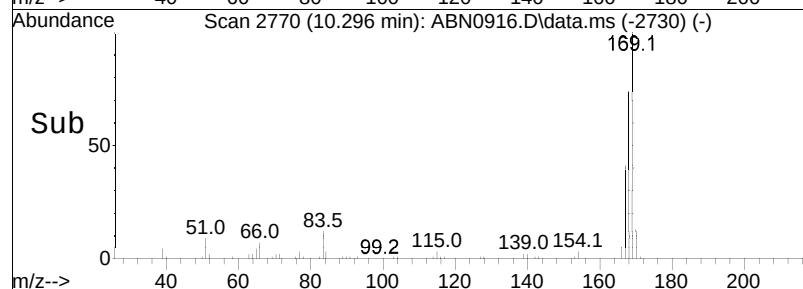
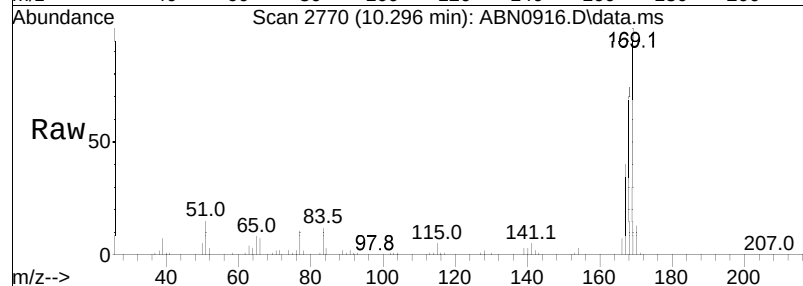
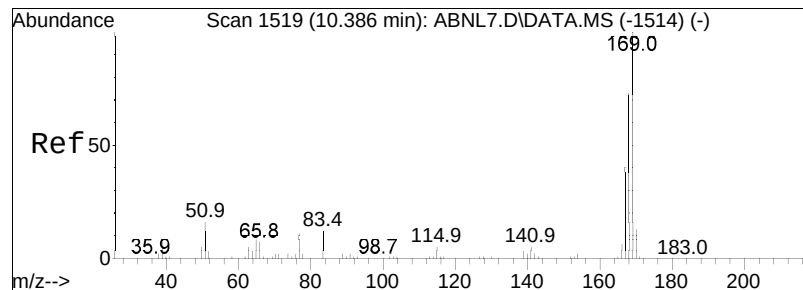




#76
 4,6-Dinitro-o-cresol
 Concen: 6.14 ug/ml
 RT: 10.222 min Scan# 2746
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	45003		
51	46.9		76.0	114.0#
105	41.7		45.6	68.4#





#77

NDPA/DPA

Concen: 5.00 ug/ml

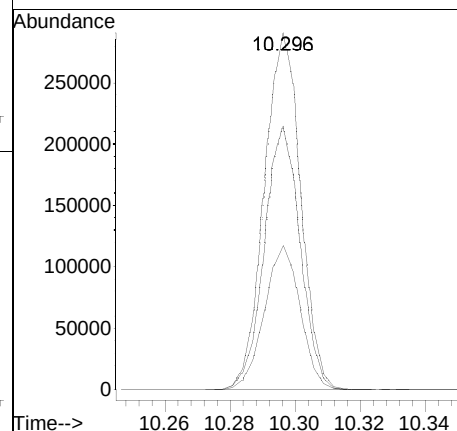
RT: 10.296 min Scan# 2770

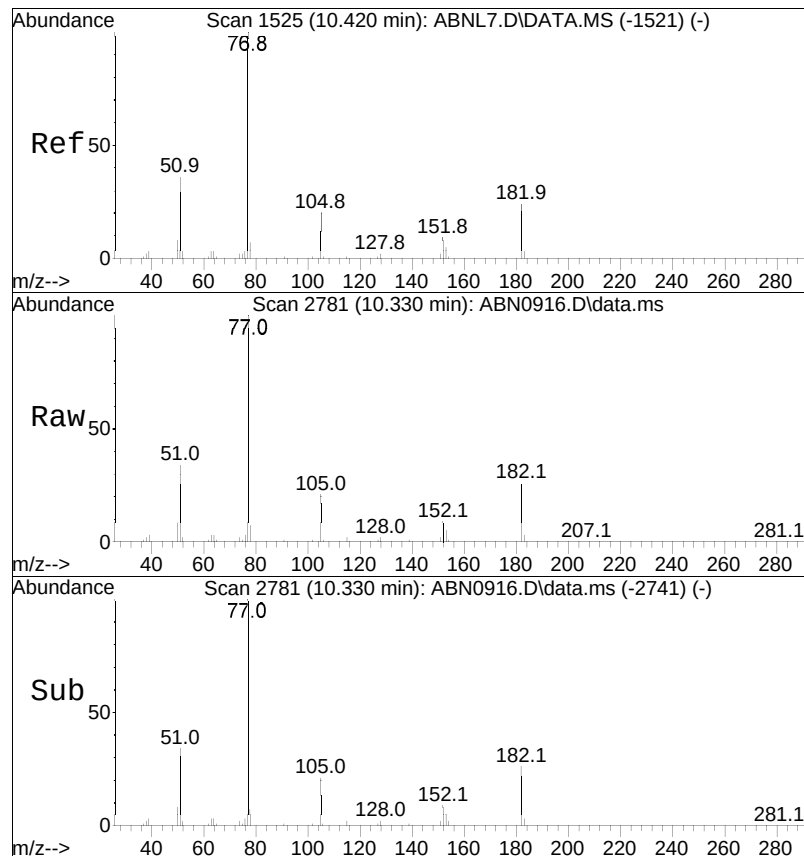
Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

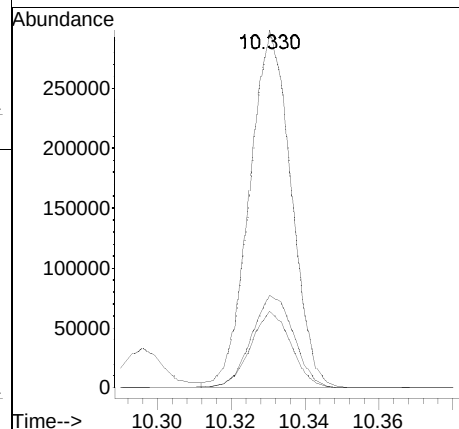
Tgt Ion:	169	Resp:	225186
Ion Ratio	Lower	Upper	
169	100		
168	72.6	54.0	81.0
167	40.1	28.6	42.8

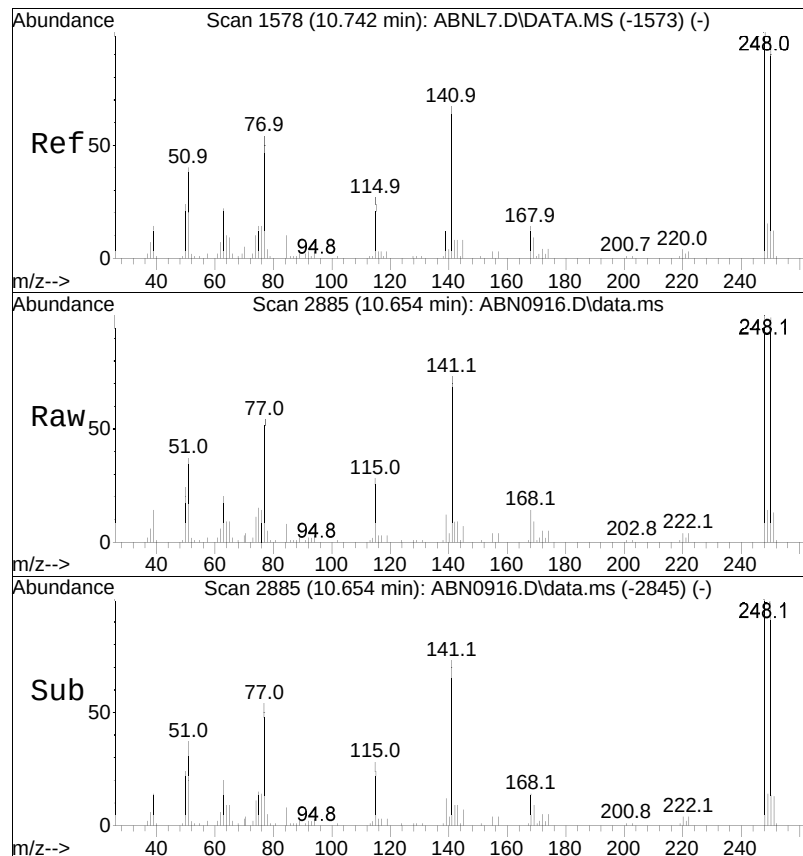




#78
 Azobenzene
 Concen: 5.06 ug/ml
 RT: 10.330 min Scan# 2781
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

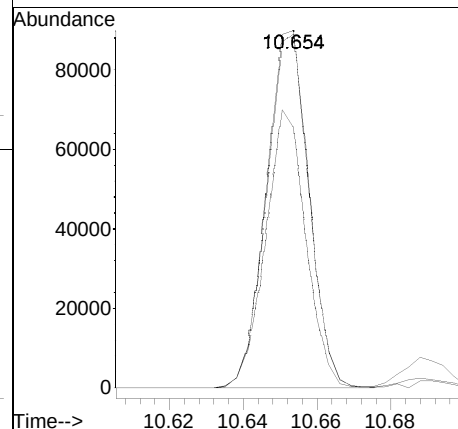
Tgt Ion:	77	Resp:	232185
Ion Ratio	Lower	Upper	
77	100		
182	26.8	17.4	26.2#
105	21.1	15.4	23.2

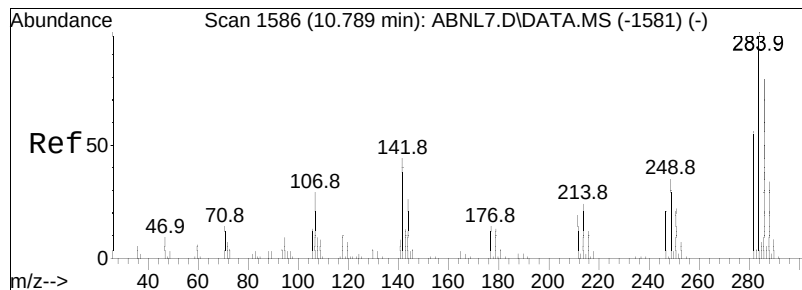




#80
 4-Bromophenyl phenyl ether
 Concen: 4.62 ug/ml
 RT: 10.654 min Scan# 2885
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

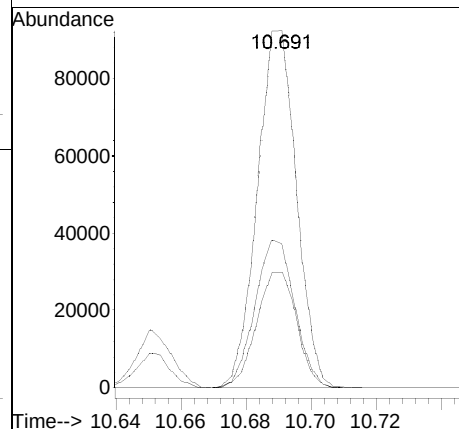
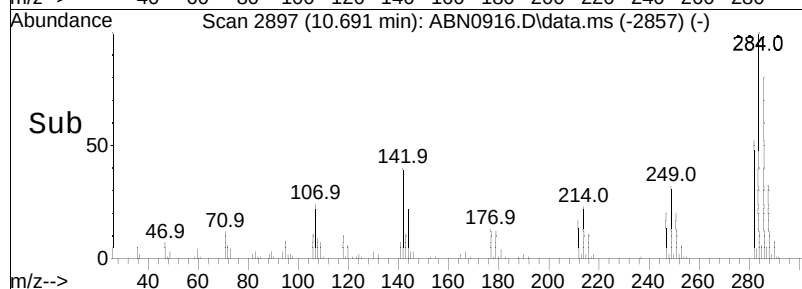
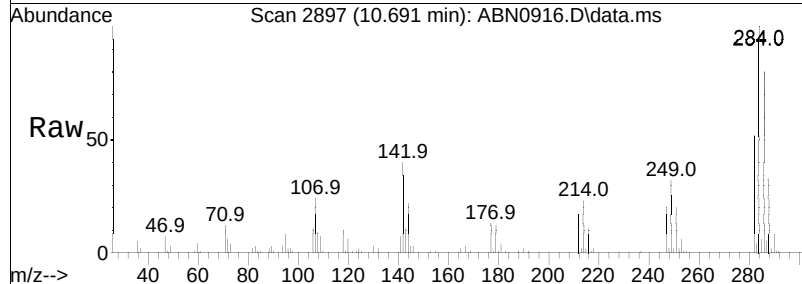
Tgt Ion:	248	Resp:	71612
Ion Ratio	Lower	Upper	
248	100		
141	74.0	76.6	114.8#
250	99.2	77.3	115.9

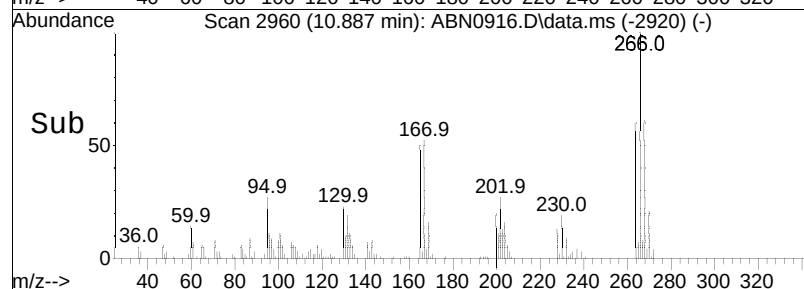
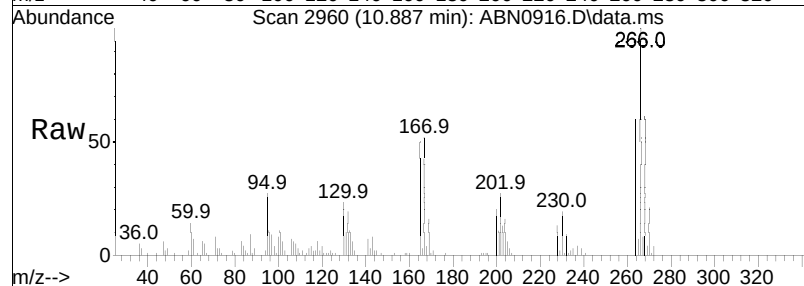
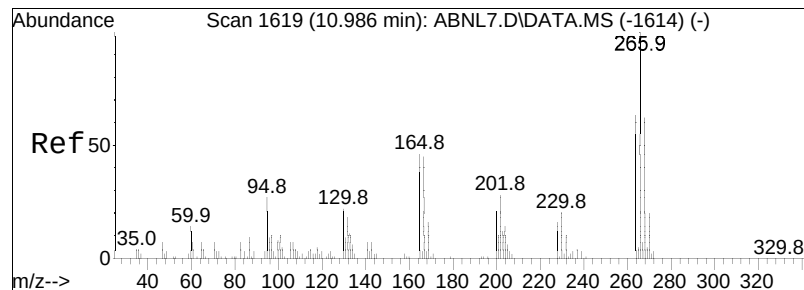




#81
 Hexachlorobenzene
 Concen: 4.77 ug/ml
 RT: 10.691 min Scan# 2897
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

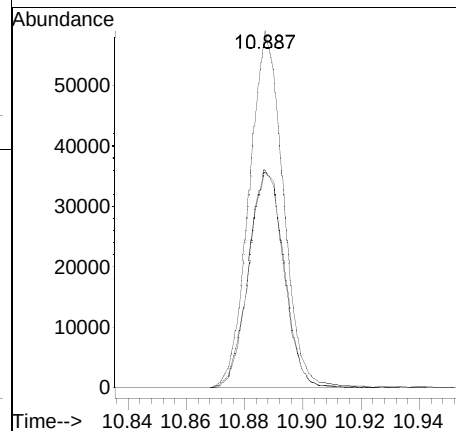
Tgt Ion:	284	Resp:	77174
Ion Ratio	Lower	Upper	
284	100		
142	42.1	41.9	62.9
249	33.3	24.1	36.1

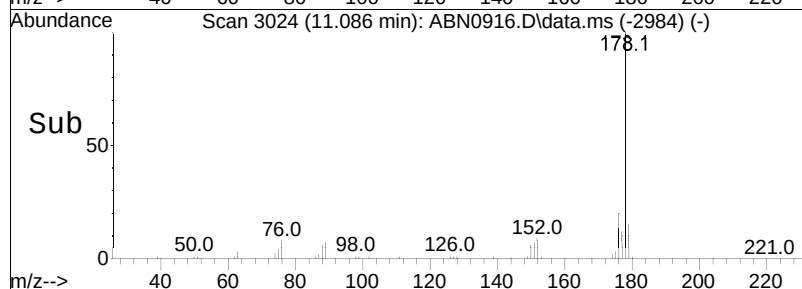
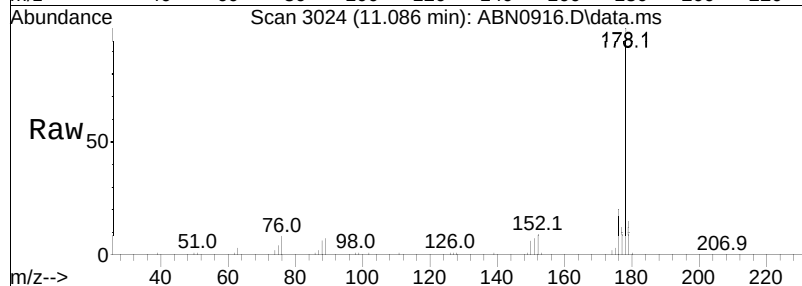
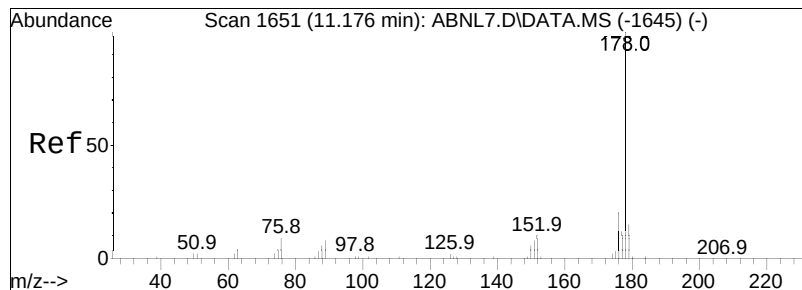




#82
 Pentachlorophenol
 Concen: 5.49 ug/ml
 RT: 10.887 min Scan# 2960
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

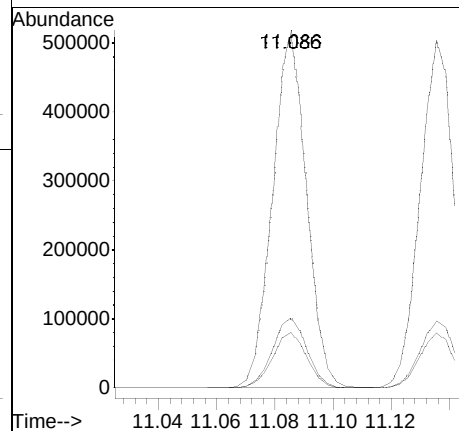
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	47968		
264	62.9		49.7	74.5
268	63.5		50.5	75.7

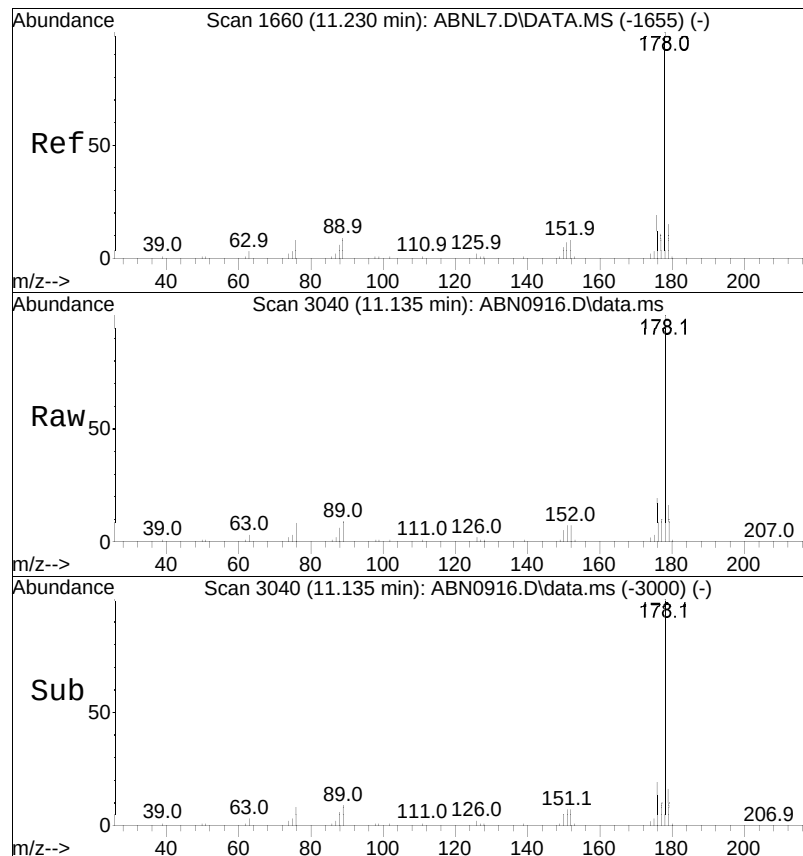




#89
 Phenanthrene
 Concen: 4.57 ug/ml
 RT: 11.086 min Scan# 3024
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

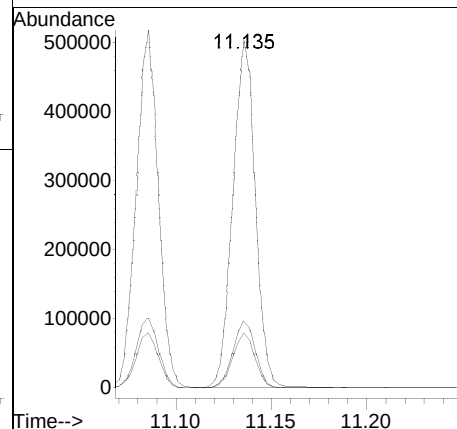
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.2
176	19.8	15.4	23.2

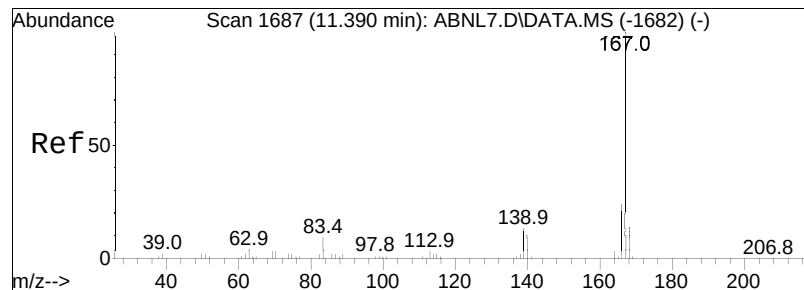




#90
 Anthracene
 Concen: 4.64 ug/ml
 RT: 11.135 min Scan# 3040
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

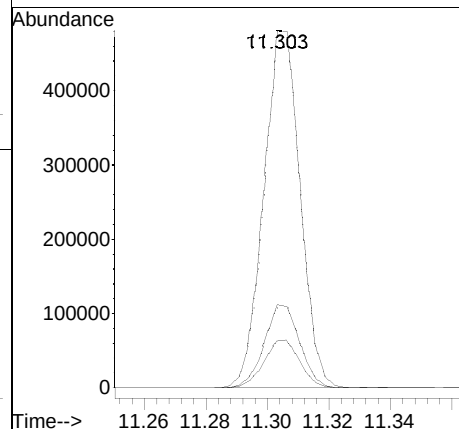
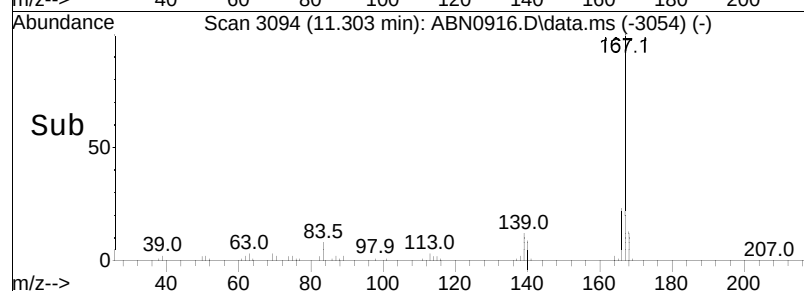
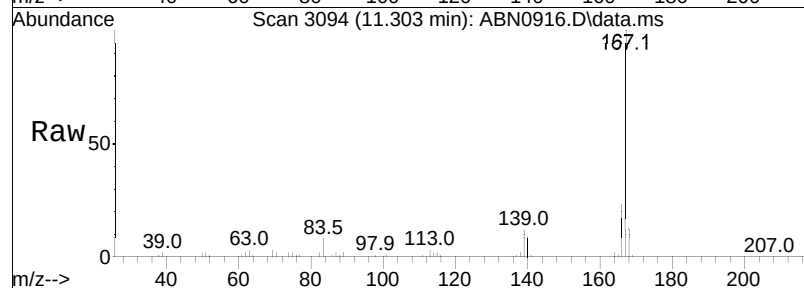
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.0	18.0
176	19.2	14.6	22.0

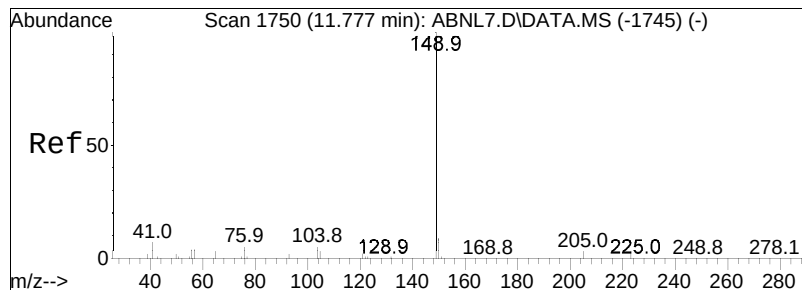




#91
 Carbazole
 Concen: 5.05 ug/ml
 RT: 11.303 min Scan# 3094
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

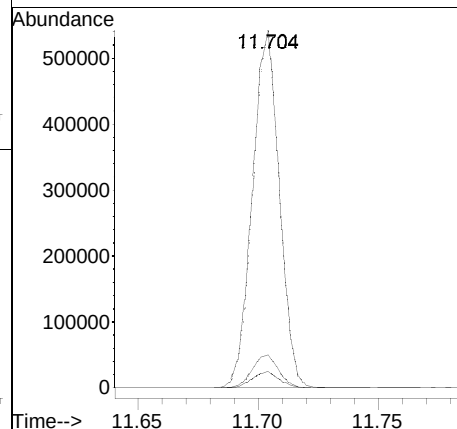
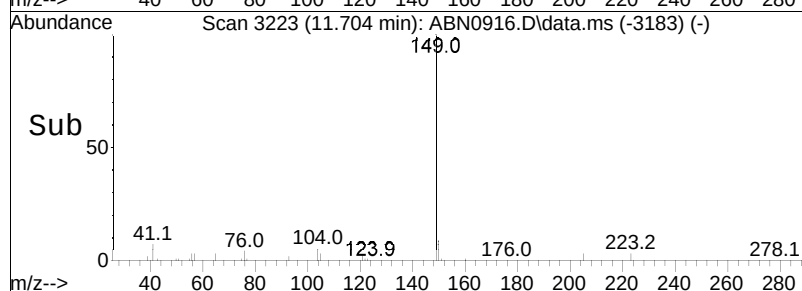
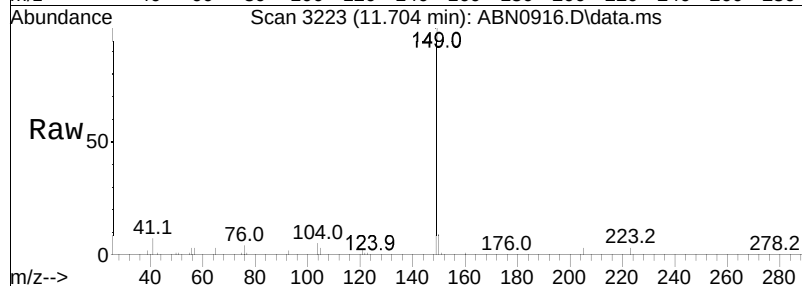
Tgt Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.6	15.8
166	22.8	17.4	26.0

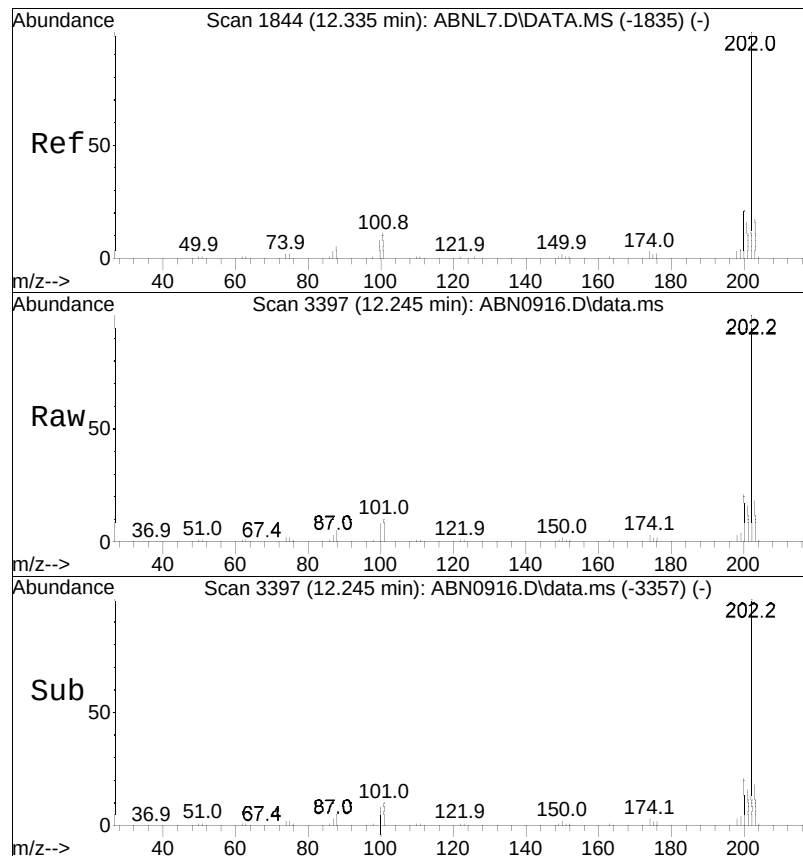




#92
 Di-n-butylphthalate
 Concen: 4.88 ug/ml
 RT: 11.704 min Scan# 3223
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

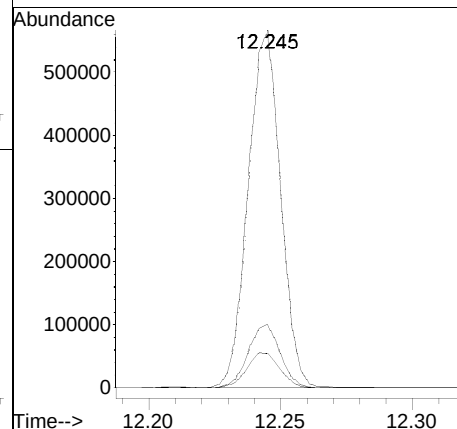
Tgt Ion:	149	Resp:	415247
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.0	10.6
104	4.6	4.5	6.7

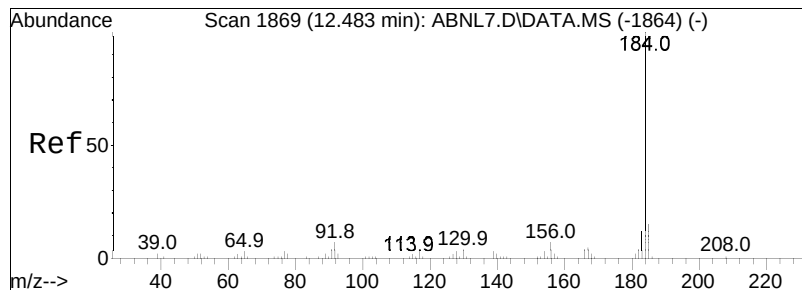




#93
 Fluoranthene
 Concen: 4.94 ug/ml
 RT: 12.245 min Scan# 3397
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	13.5	20.3#
203	17.6	13.6	20.4





#94

Benzidine

Concen: 4.83 ug/ml

RT: 12.404 min Scan# 3448

Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

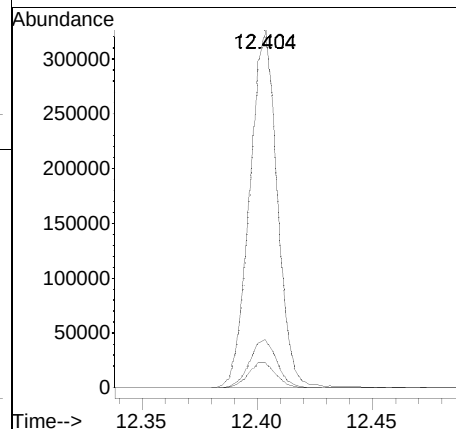
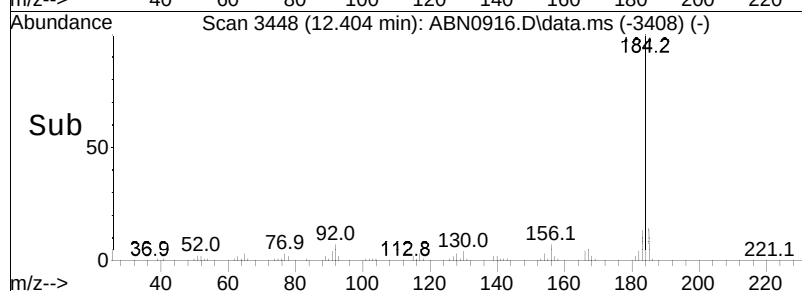
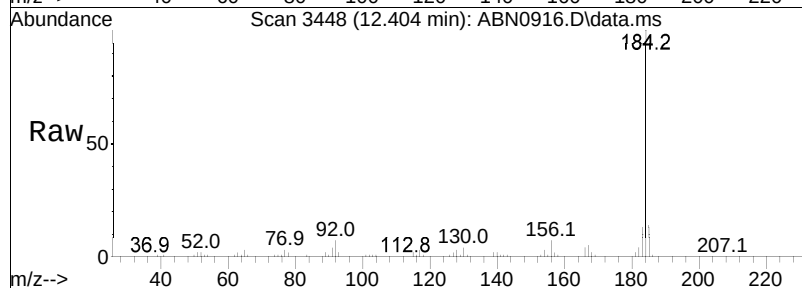
Tgt Ion:184 Resp: 269077

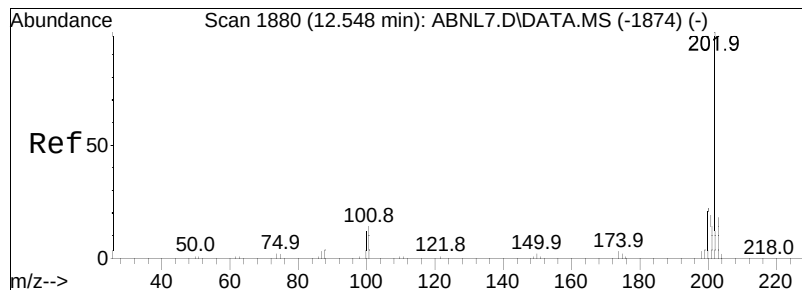
Ion Ratio Lower Upper

184 100

92 7.0 9.1 13.7#

185 13.4 11.1 16.7





#95

Pyrene

Concen: 4.96 ug/ml

RT: 12.460 min Scan# 3466

Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

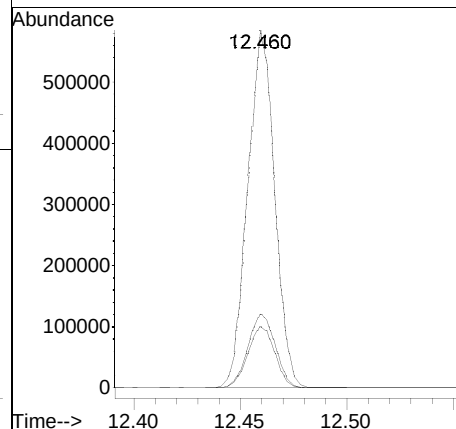
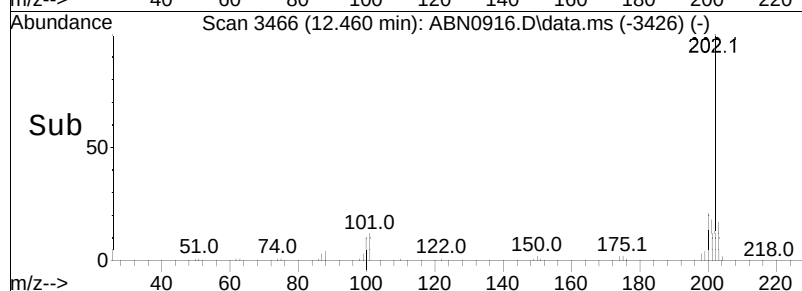
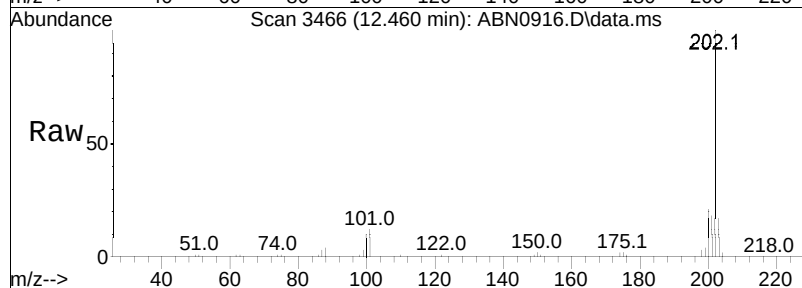
Tgt Ion: 202 Resp: 510510

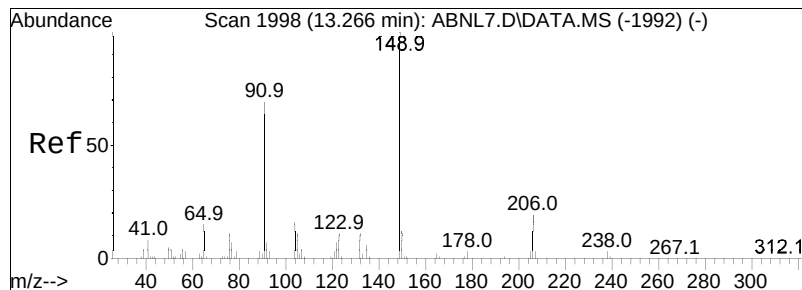
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.4 14.2 21.4





#97

Butyl benzyl phthalate

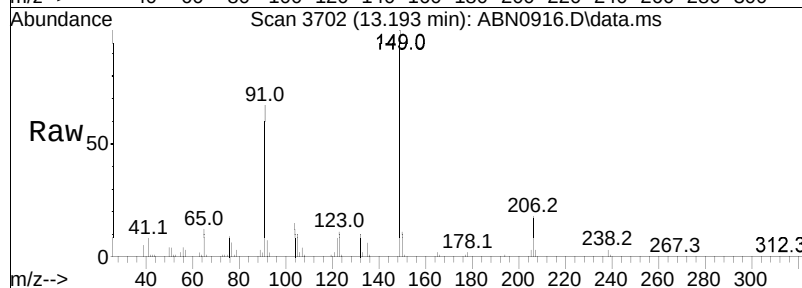
Concen: 4.76 ug/ml

RT: 13.193 min Scan# 3702

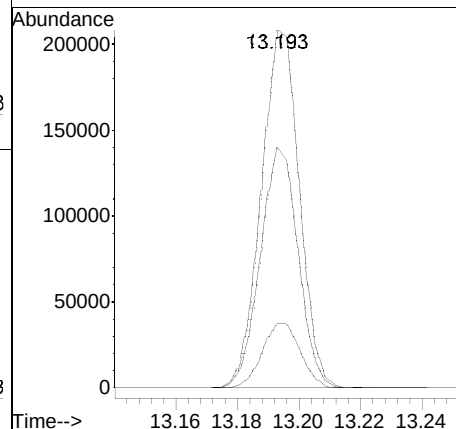
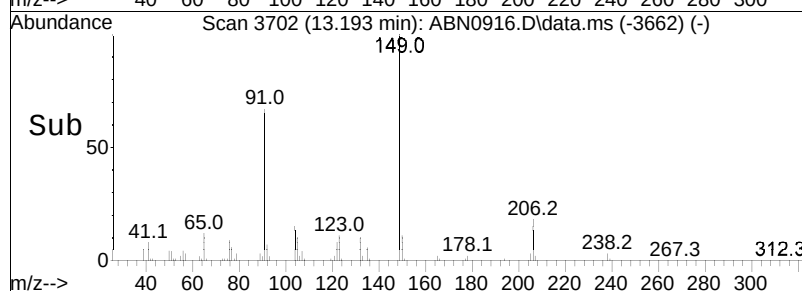
Delta R.T. 0.000 min

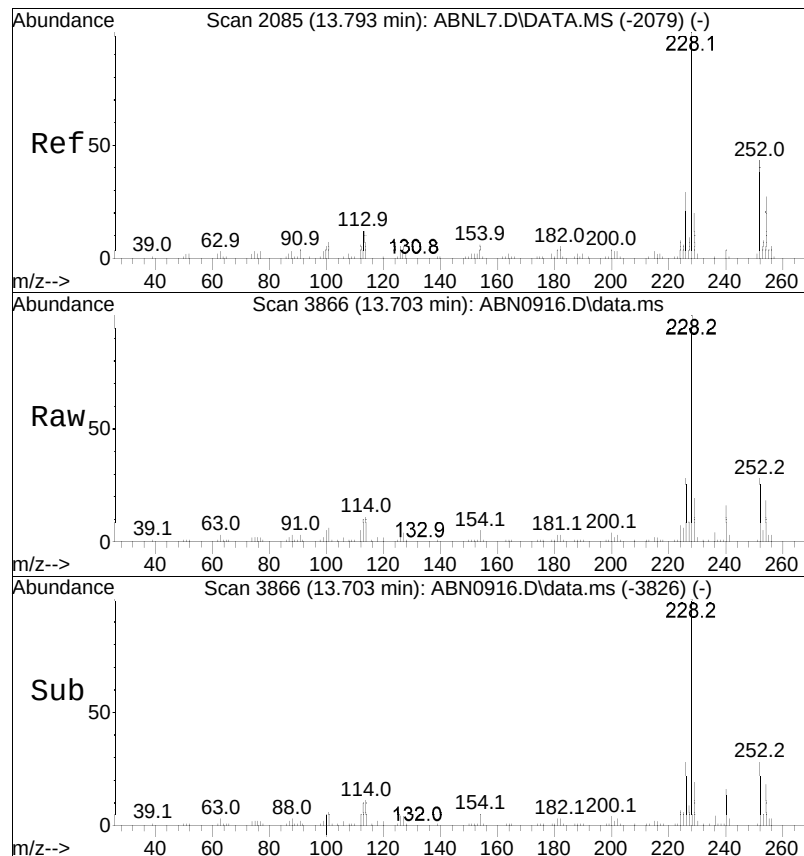
Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am



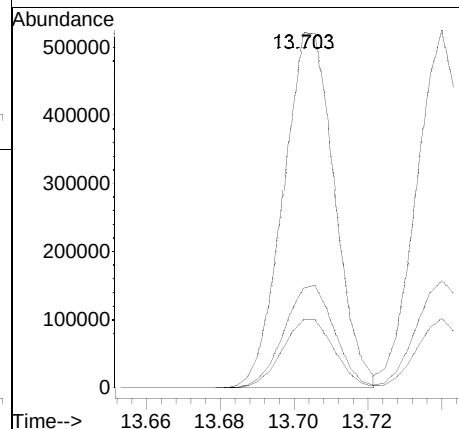
Tgt Ion:	149	Resp:	177425
Ion Ratio	Lower	Upper	
149	100		
91	66.7	63.3	94.9
206	18.2	13.9	20.9

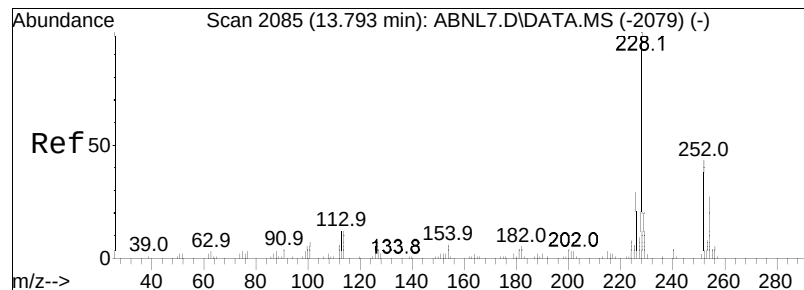




#105
 Benzo(a)anthracene
 Concen: 4.72 ug/ml
 RT: 13.703 min Scan# 3866
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

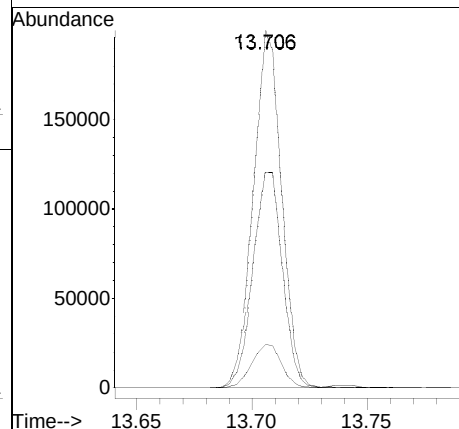
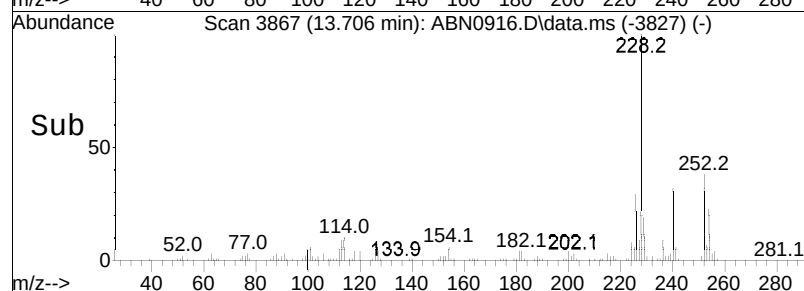
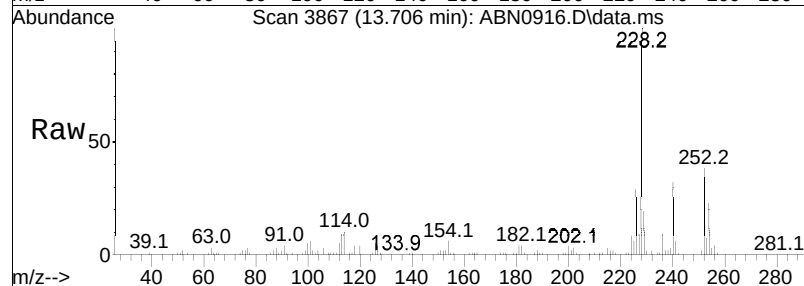
Tgt Ion:	228	Resp:	502347
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.2	33.4
229	19.5	15.6	23.4

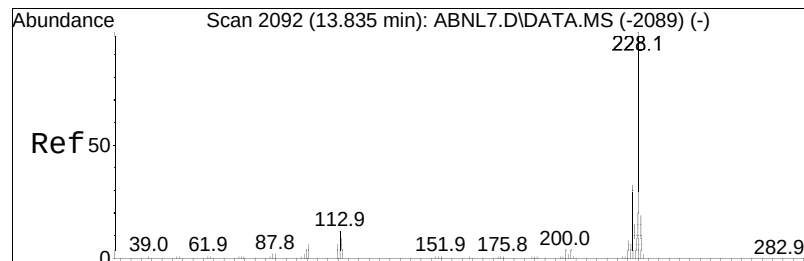




#106
 3,3'-Dichlorobenzidine
 Concen: 5.00 ug/ml
 RT: 13.706 min Scan# 3867
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

Tgt Ion	Ratio	Lower	Upper
252	100		
126	13.1	14.5	21.7#
254	62.9	51.2	76.8





#107

Chrysene

Concen: 4.56 ug/ml

RT: 13.740 min Scan# 3878

Delta R.T. 0.000 min

Lab File: ABN0916.D

Acq: 16 Sep 2025 7:02 am

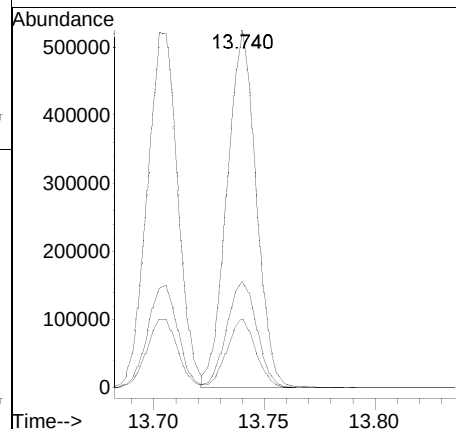
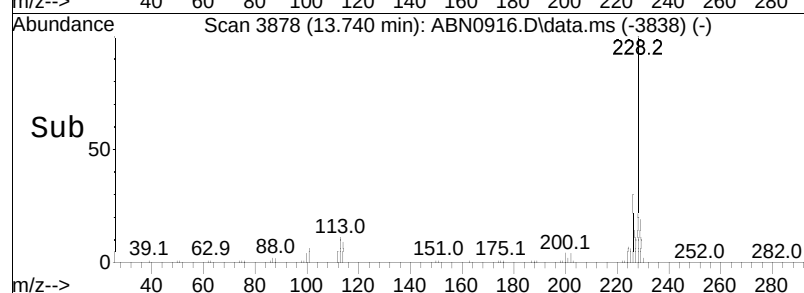
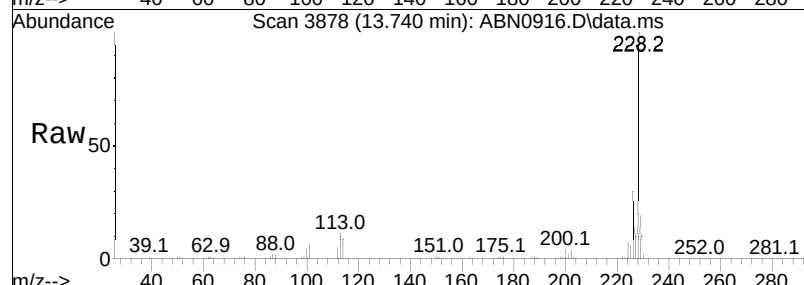
Tgt Ion: 228 Resp: 480464

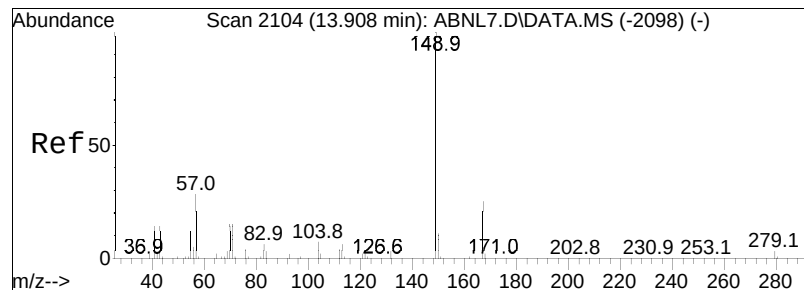
Ion Ratio Lower Upper

228 100

226 30.9 24.0 36.0

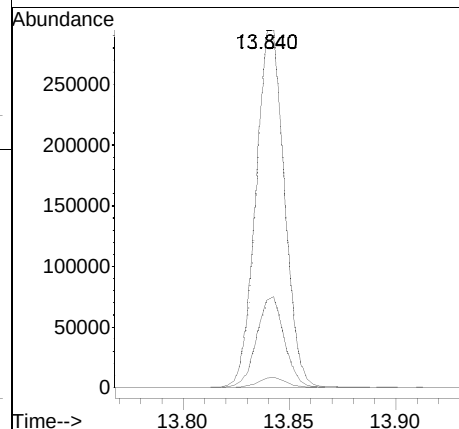
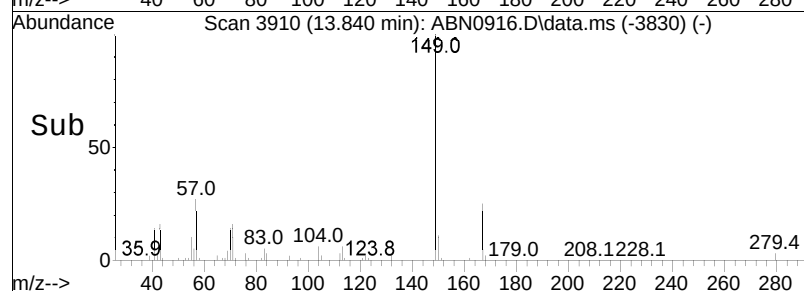
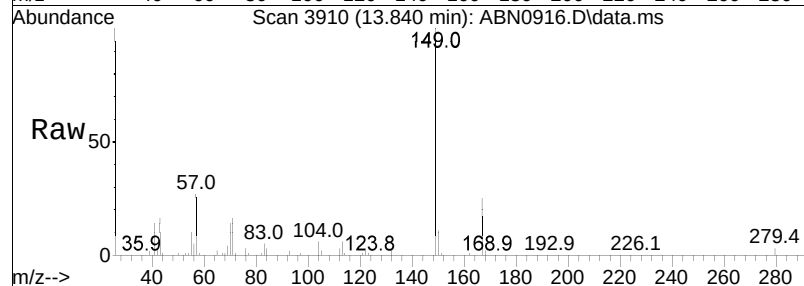
229 19.0 15.8 23.8

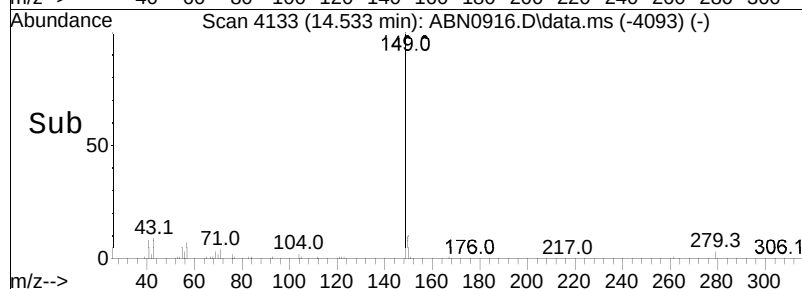
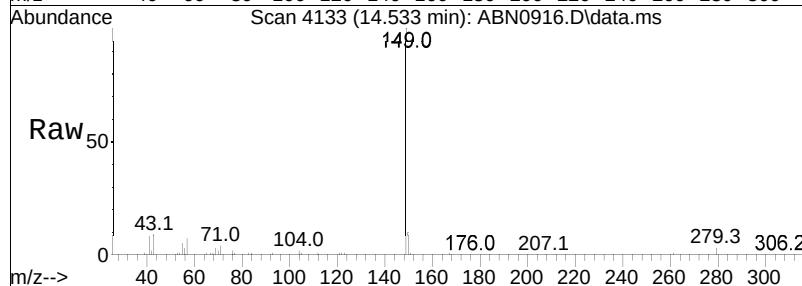
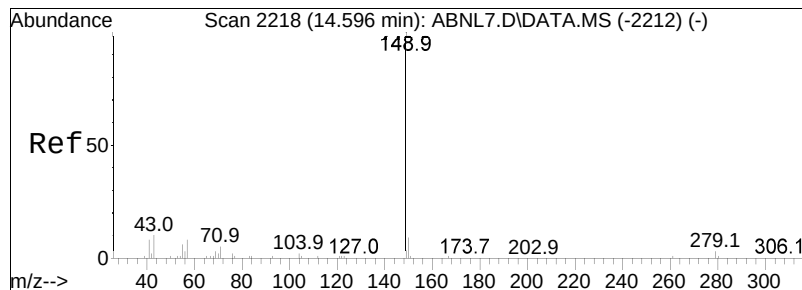




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 4.15 ug/ml
 RT: 13.840 min Scan# 3910
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

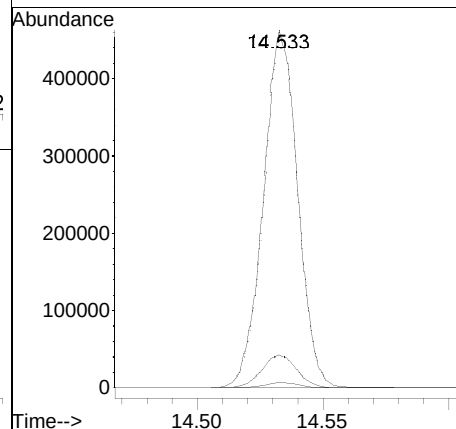
Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.6	22.1	33.1
279	2.6	3.0	4.4#

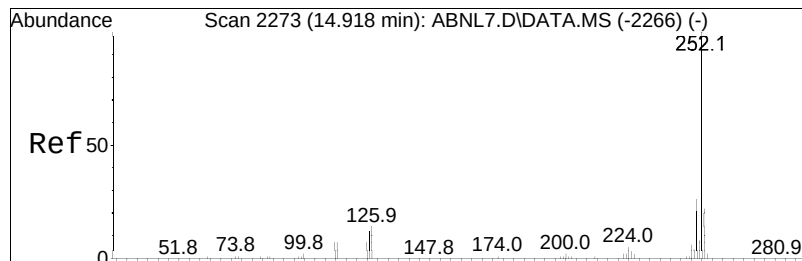




#109
 Di-n-octylphthalate
 Concen: 4.23 ug/ml
 RT: 14.533 min Scan# 4133
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

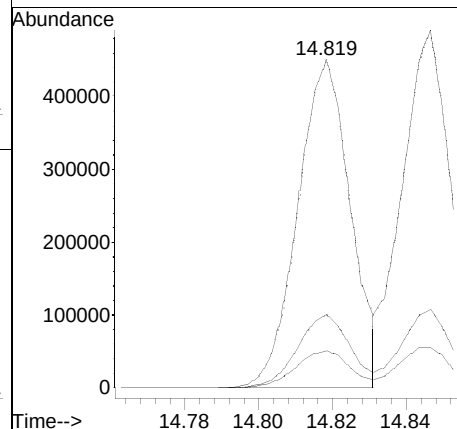
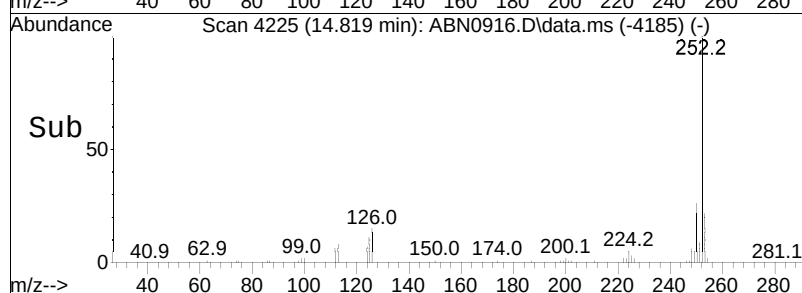
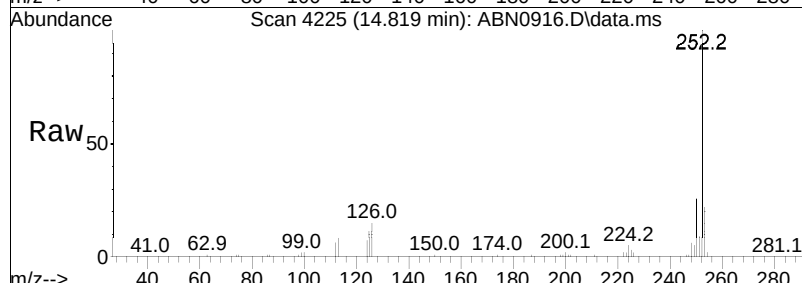
Tgt Ion:	149	Resp:	432035
Ion Ratio	Lower	Upper	
149	100		
43	9.6	18.8	28.2#
167	1.5	1.3	1.9

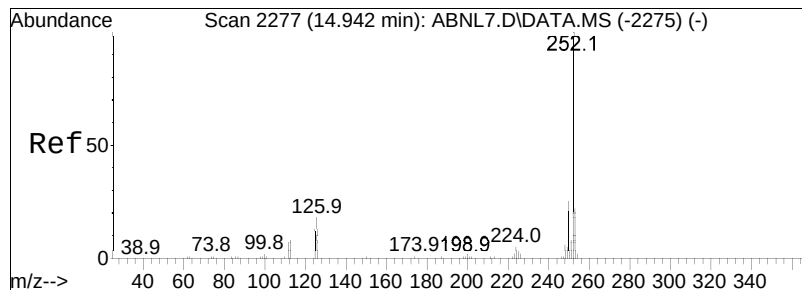




#110
 Benzo(b)fluoranthene
 Concen: 4.85 ug/ml
 RT: 14.819 min Scan# 4225
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

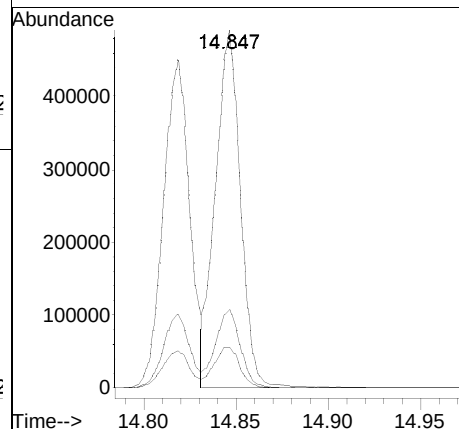
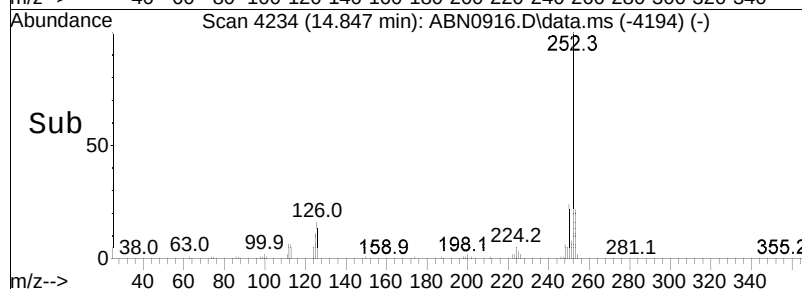
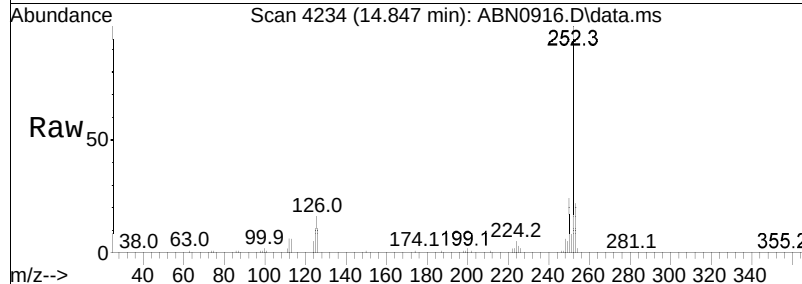
Tgt Ion	Ratio	Lower	Upper
252	100		
125	11.9	13.3	19.9#
253	22.5	17.1	25.7

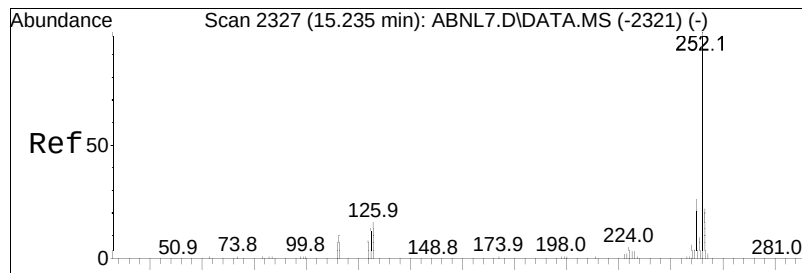




#111
Benzo(k)fluoranthene
Concen: 4.91 ug/ml
RT: 14.847 min Scan# 4234
Delta R.T. 0.000 min
Lab File: ABN0916.D
Acq: 16 Sep 2025 7:02 am

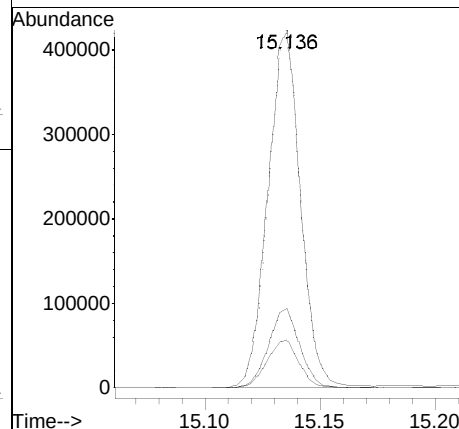
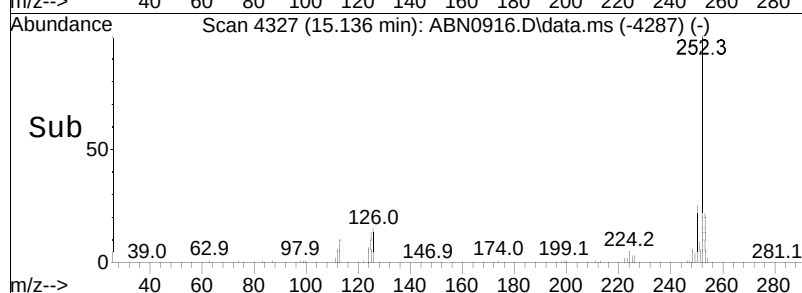
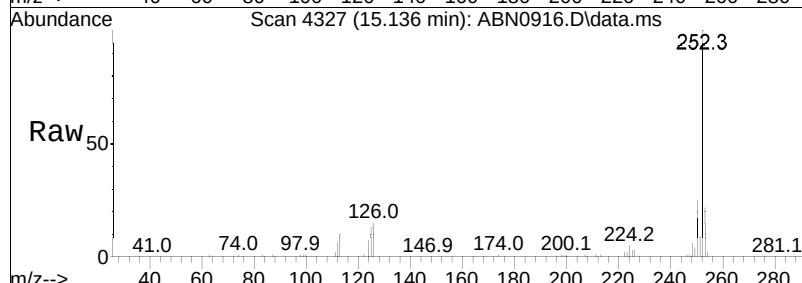
Tgt Ion	Ratio	Lower	Upper
252	100		
125	11.8	13.0	19.6#
253	21.8	16.8	25.2

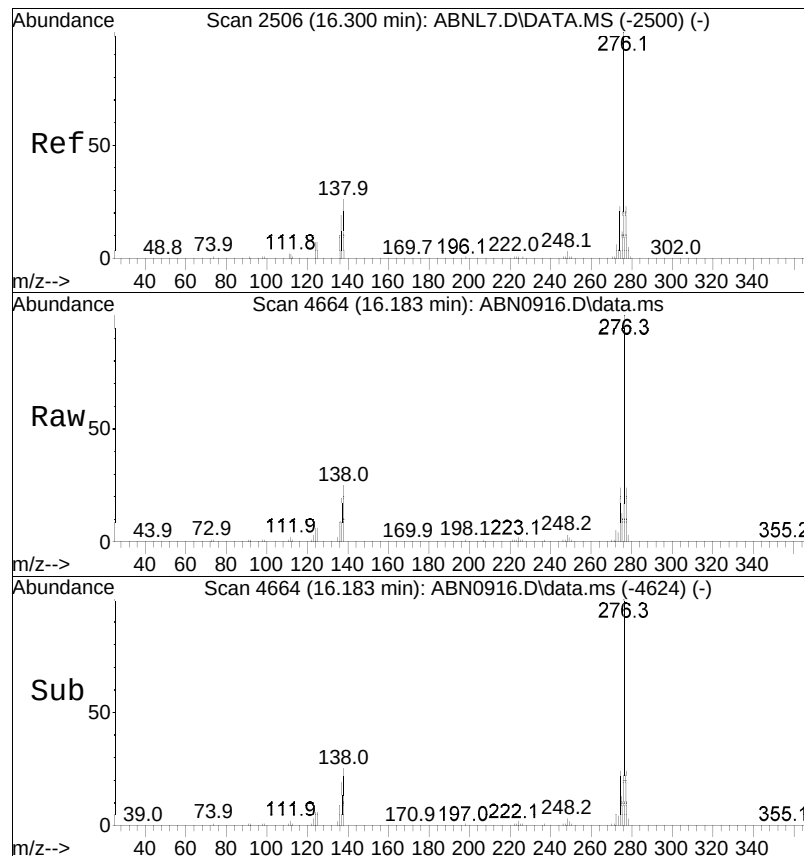




#112
 Benzo(a)pyrene
 Concen: 4.80 ug/ml
 RT: 15.136 min Scan# 4327
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

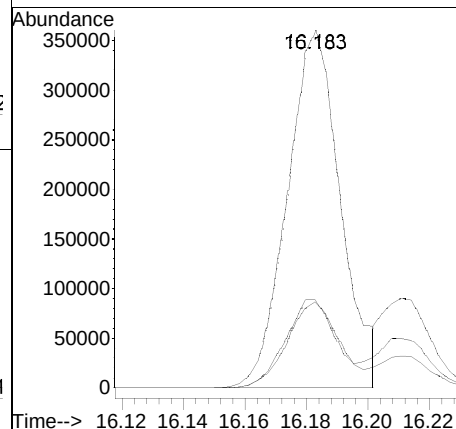
Tgt	Ion:252	Resp:	411622
Ion	Ratio	Lower	Upper
252	100		
125	13.4	14.2	21.2#
253	21.7	16.9	25.3

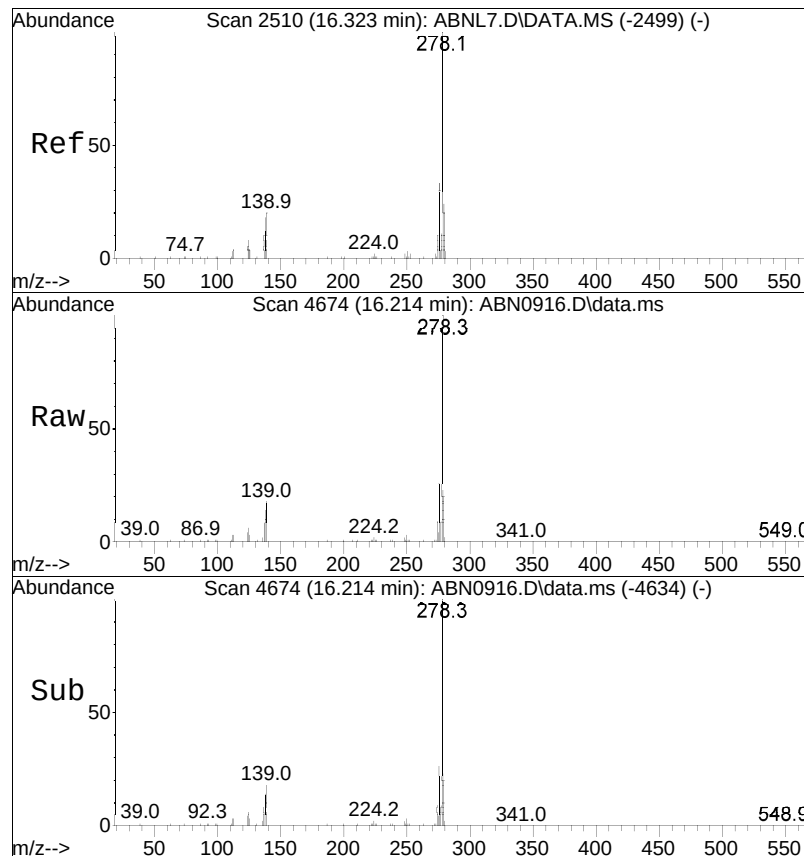




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 5.13 ug/mL
 RT: 16.183 min Scan# 4664
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

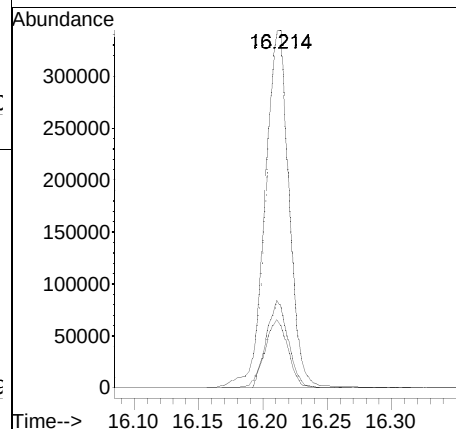
Tgt Ion:	276	Resp:	430788
Ion Ratio	Lower	Upper	
276	100		
138	23.5	25.1	37.7#
277	23.6	18.6	28.0

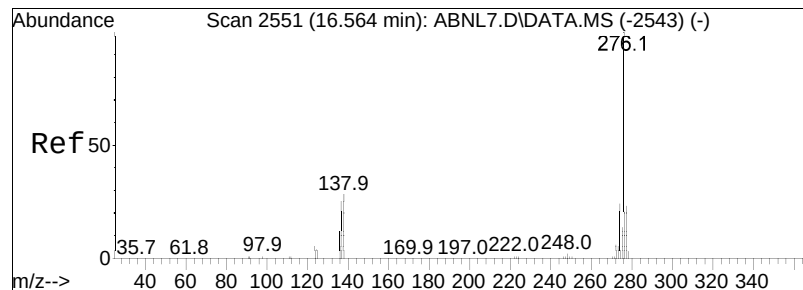




#115
 Dibenzo(a,h)anthracene
 Concen: 5.05 ug/ml
 RT: 16.214 min Scan# 4674
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

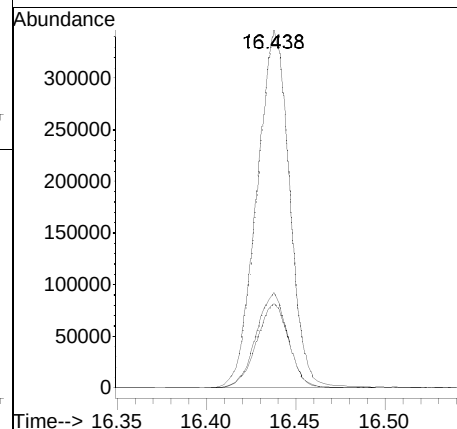
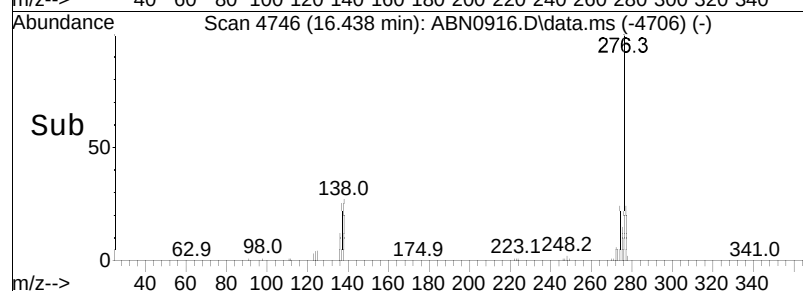
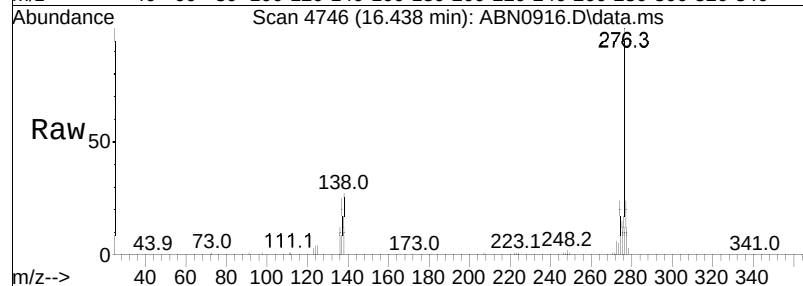
Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.4	20.8	31.2#
279	23.3	18.3	27.5





#116
 Benzo(ghi)perylene
 Concen: 5.04 ug/ml
 RT: 16.438 min Scan# 4746
 Delta R.T. 0.000 min
 Lab File: ABN0916.D
 Acq: 16 Sep 2025 7:02 am

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.1	29.2	43.8#
277	23.4	18.8	28.2



Manual Integration Report

Data Path	: I:\8270\SV107\250916\	QMethod	: FS250826SV107RVT.m
Data File	: ABN0916.D	Operator	: SV107:smz
Date Inj'd	: 9/16/2025 7:02 am	Instrument	: SV107
Sample	: WG2115301-3,32,,ABN 11823	QMethod	: FS250826SV107RVT.m
		Operator	: SV107:smz
		Instrument	: SV107
		Date	: 9/16/2025 7:53 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250916\
 Data File : ADP0916.D
 Acq On : 16 Sep 2025 7:52 am
 Operator : SV107:smz
 Sample : WG2115301-5,32,,ADP 11661 gmr0913B
 Misc : WG2115301,,ical22592
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 16 12:21:39 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 08:16:02 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
33	1,4-Dioxane	0.545	0.496	9.0	91	0.00
34 T	n-Decane	1.567	1.423	9.2	87	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	95	0.00
87 T	Atrazine	0.330	0.365	-10.6	103	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	105	0.00
101 T	n-Octadecane	0.441	0.392	11.1	90	0.00
102 T	Parathion	* 5.000	5.065	-1.3	121	0.00
103 T	3,3'-Dimethylbenzidine	* 5.000	4.241	15.2	98	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : ADP0916.D
 Acq On : 16 Sep 2025 7:52 am
 Operator : SV107:smz
 Sample : WG2115301-5,32,,ADP 11661 gmr0913B
 Misc : WG2115301,,ical22592
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 16 12:21:39 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 08:16:02 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.424	152	50671	4.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	9.619	164	112984	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	11.061	188	245041	4.000	ug/ml #	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.836	88	31390	4.545	ug/ml#	82
34) n-Decane	6.312	57	90135	4.541	ug/ml#	41
87) Atrazine	10.840	200	51489	5.521	ug/ml	97
101) n-Octadecane	11.048	57	119958	4.442	ug/ml#	1
102) Parathion	11.857	109	24177	5.065	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.149	212	142551	4.241	ug/ml	98

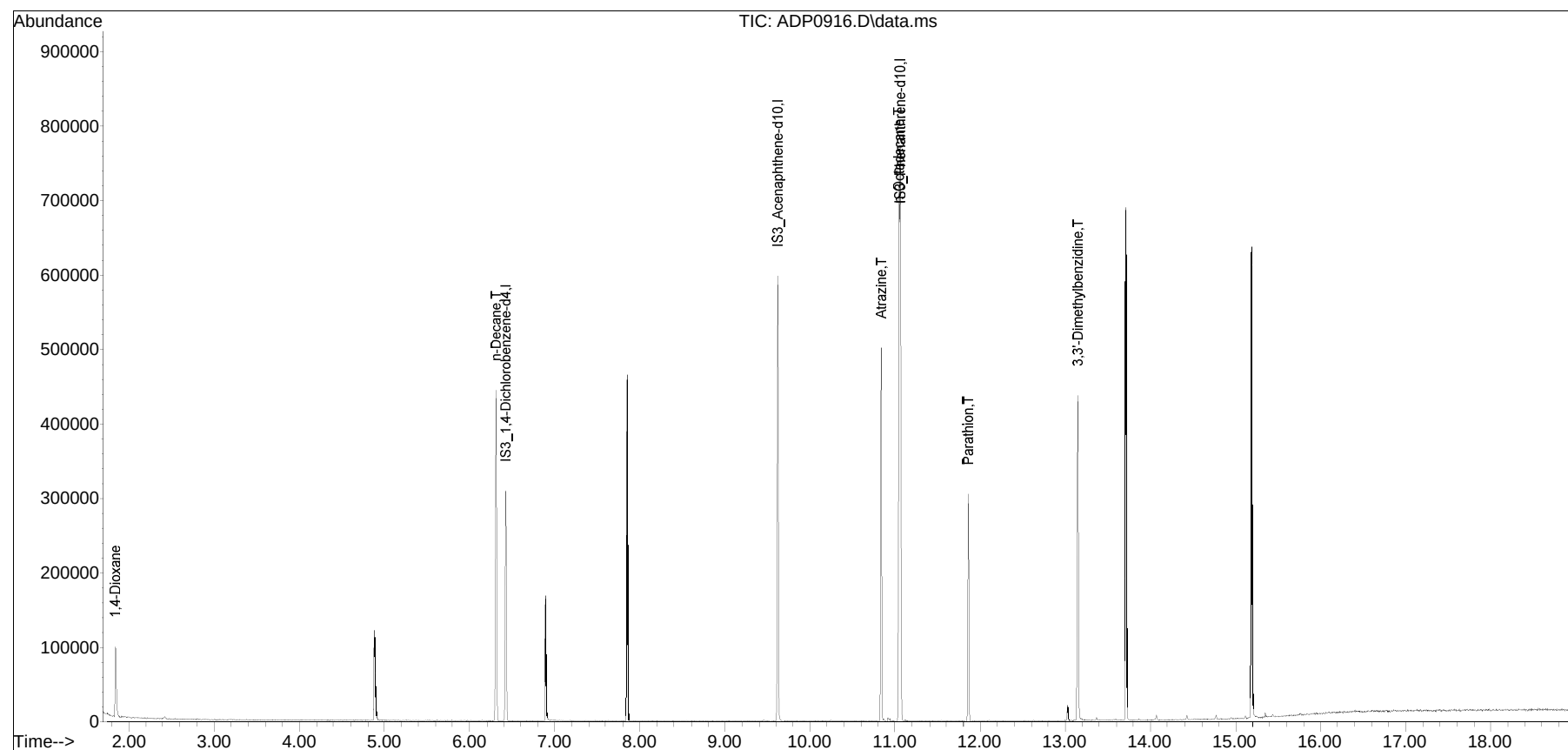
(#) = qualifier out of range (m) = manual integration (+) = signals summed

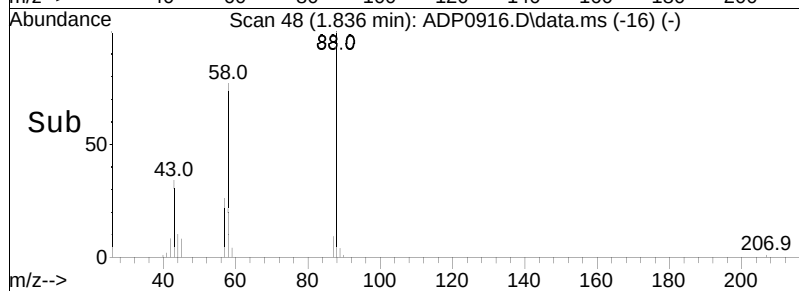
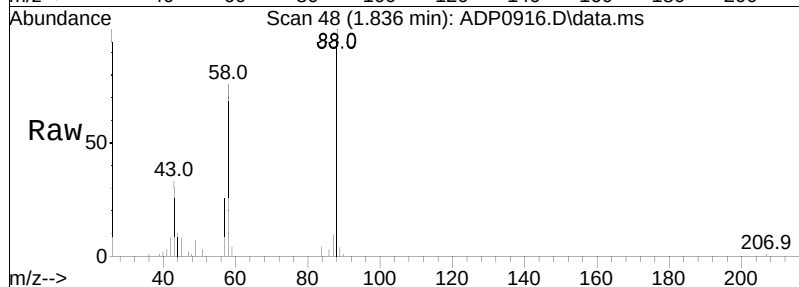
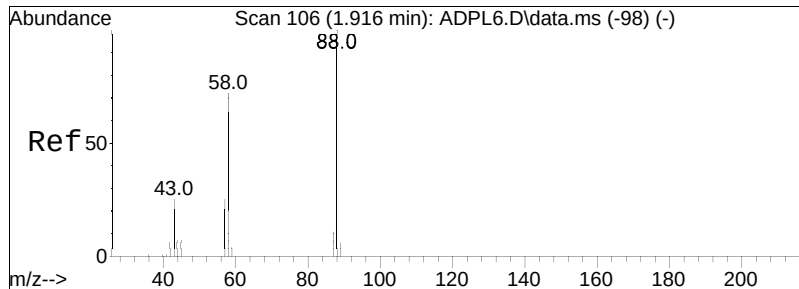
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : ADP0916.D
 Acq On : 16 Sep 2025 7:52 am
 Operator : SV107:smz
 Sample : WG2115301-5,32,,ADP 11661 gmr0913B
 Misc : WG2115301,,ical22592
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 16 12:21:39 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 08:16:02 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist





#33

1,4-Dioxane

Concen: 4.55 ug/ml

RT: 1.836 min Scan# 48

Delta R.T. 0.000 min

Lab File: ADP0916.D

Acq: 16 Sep 2025 7:52 am

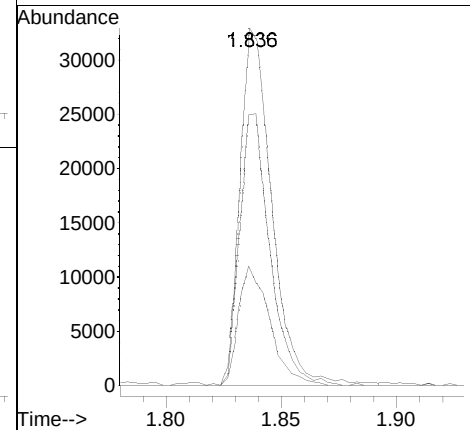
Tgt Ion: 88 Resp: 31390

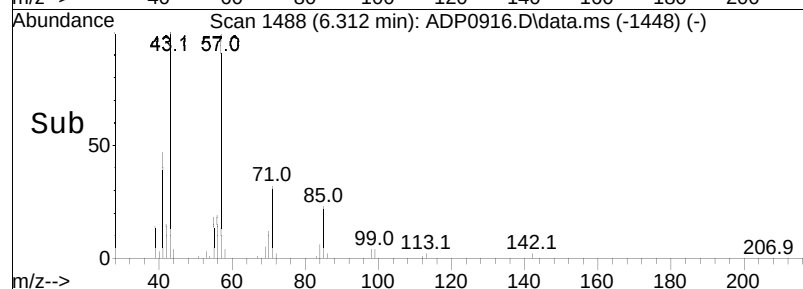
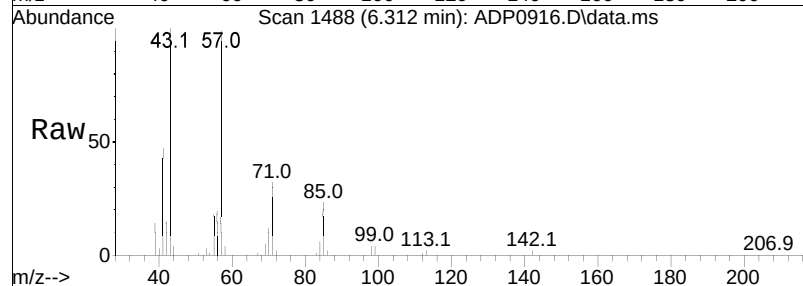
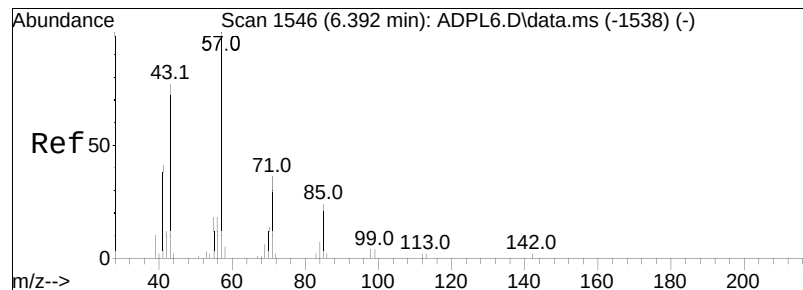
Ion Ratio Lower Upper

88 100

58 72.2 44.8 67.2#

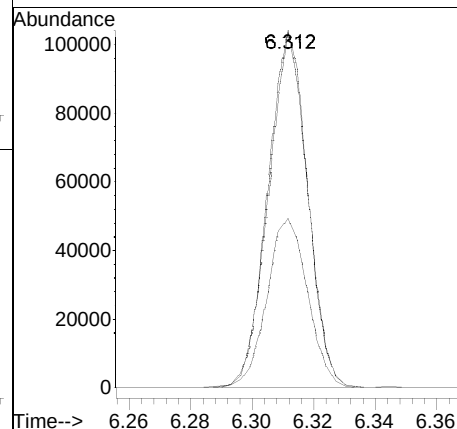
43 33.0 22.4 33.6

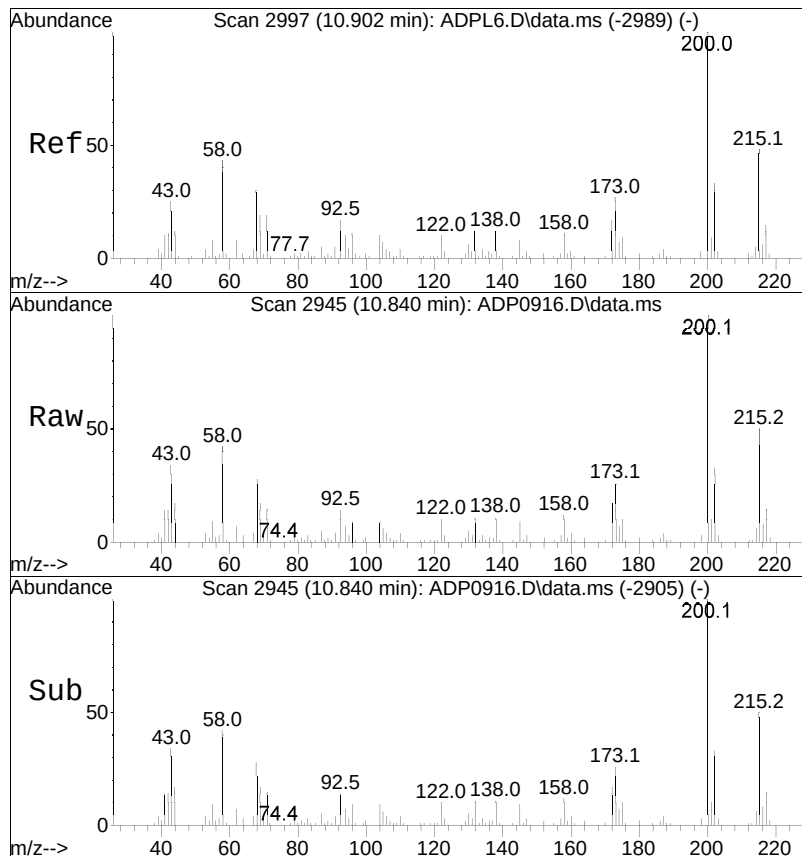




#34
 n-Decane
 Concen: 4.54 ug/ml
 RT: 6.312 min Scan# 1488
 Delta R.T. 0.000 min
 Lab File: ADP0916.D
 Acq: 16 Sep 2025 7:52 am

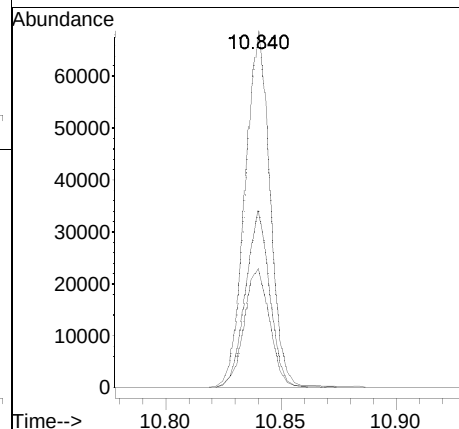
Tgt Ion	Ratio	Lower	Upper
57	100		
43	102.6	0.2	0.2#
41	49.9	0.2	0.2#

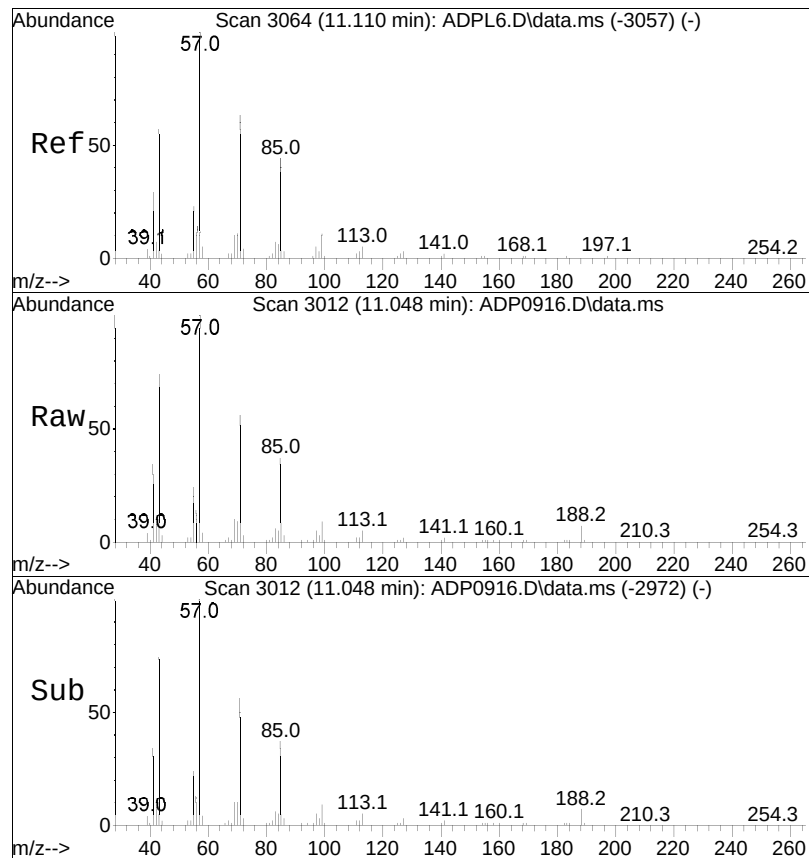




#87
 Atrazine
 Concen: 5.52 ug/ml
 RT: 10.840 min Scan# 2945
 Delta R.T. 0.000 min
 Lab File: ADP0916.D
 Acq: 16 Sep 2025 7:52 am

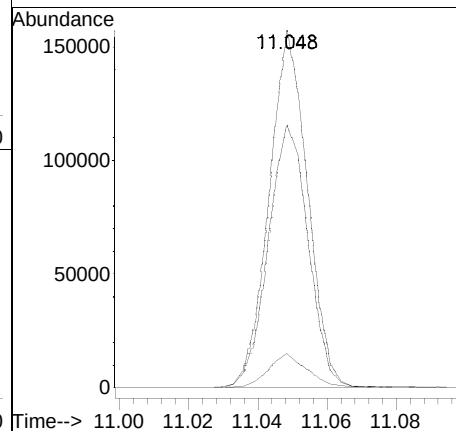
Tgt	Ion:200	Resp:	51489
Ion	Ratio	Lower	Upper
200	100		
202	34.1	25.8	38.6
215	48.2	40.2	60.4

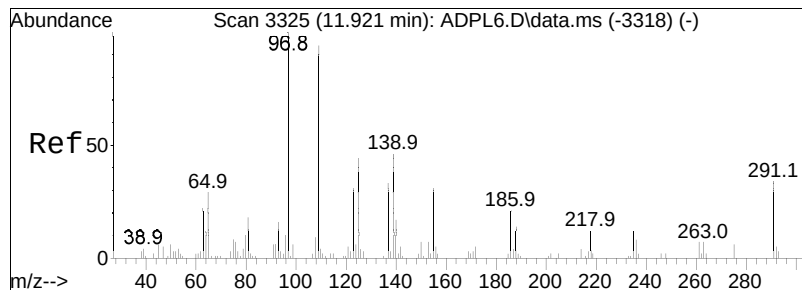




#101
 n-Octadecane
 Concen: 4.44 ug/ml
 RT: 11.048 min Scan# 3012
 Delta R.T. 0.000 min
 Lab File: ADP0916.D
 Acq: 16 Sep 2025 7:52 am

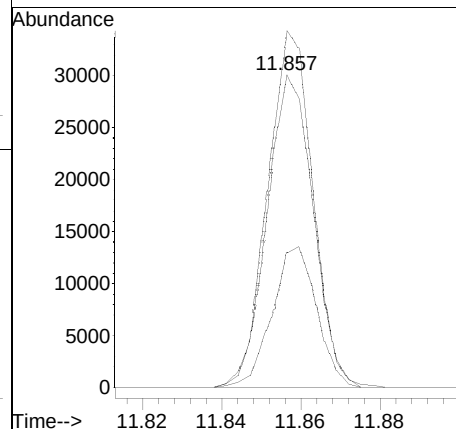
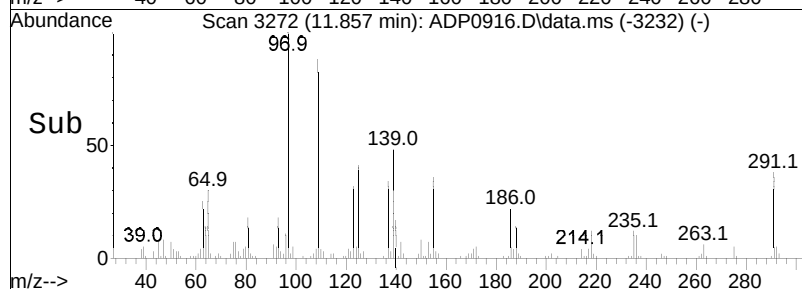
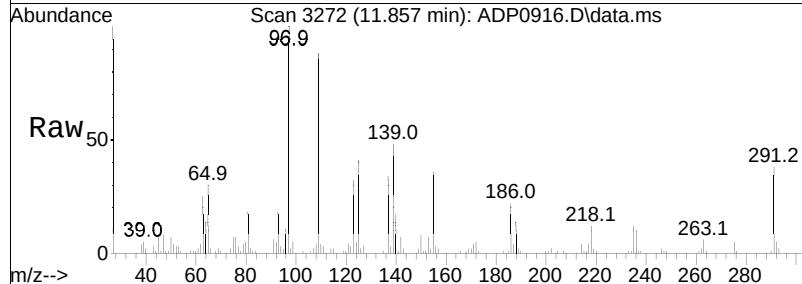
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	119958		
43	76.6		9.0	13.6#
70	9.6		0.2	0.2#

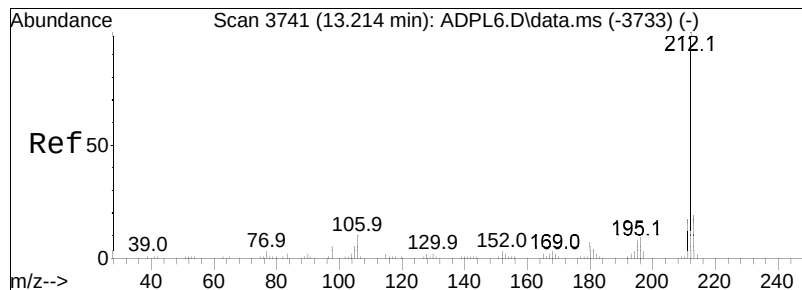




#102
 Parathion
 Concen: 5.07 ug/ml
 RT: 11.857 min Scan# 3272
 Delta R.T. 0.000 min
 Lab File: ADP0916.D
 Acq: 16 Sep 2025 7:52 am

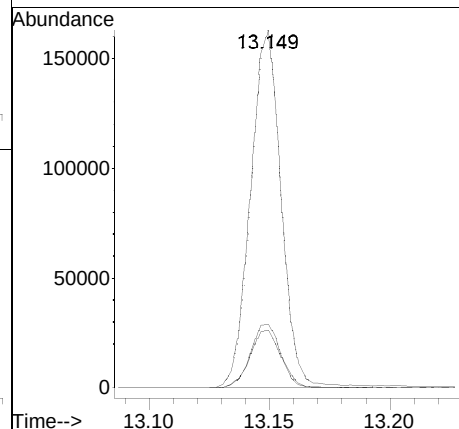
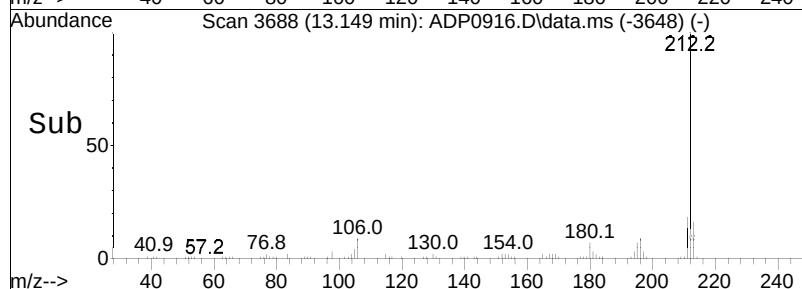
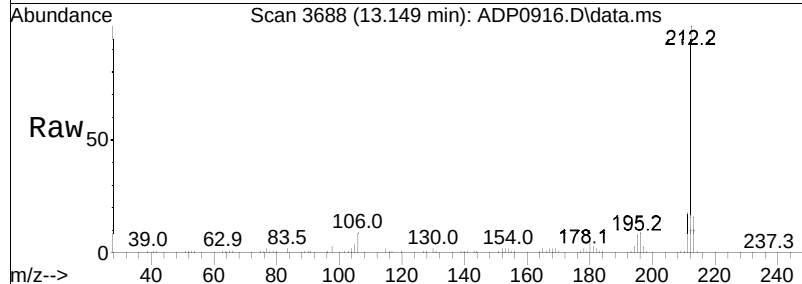
Tgt Ion:	109	Resp:	24177
Ion Ratio	Lower	Upper	
109	100		
97	112.1	87.4	131.2
291	43.8	34.2	51.2





#103
 3,3'-Dimethylbenzidine
 Concen: 4.24 ug/ml
 RT: 13.149 min Scan# 3688
 Delta R.T. 0.000 min
 Lab File: ADP0916.D
 Acq: 16 Sep 2025 7:52 am

Tgt Ion:	212	Resp:	142551
Ion Ratio	Lower	Upper	
212	100		
211	18.0	12.9	19.3
213	16.4	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\SV107\250916\	QMethod	: FS250826SV107RVT.m
Data File	: ADP0916.D	Operator	: SV107:smz
Date Inj'd	: 9/16/2025 7:52 am	Instrument	: SV107
Sample	: WG2115301-5,32,,ADP 11661	QMethod	: FS250826SV107RVT.m

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250916\
 Data File : AP90916a.D
 Acq On : 16 Sep 2025 8:17 am
 Operator : SV107:smz
 Sample : WG2115301-4,32,,AP9 11932 gmr0814B
 Misc : WG2115301,,ical22592
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 16 08:37:27 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 08:38:05 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
28 T	Benzaldehyde	0.605	0.676	-11.7	115	0.00
29 T	Acetophenone	1.796	1.783	0.7	102	0.00
30 T	m-Toluidine	1.129	1.240	-9.8	114	0.00
31 T	2-Chloroaniline	1.545	1.593	-3.1	105	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	106	0.00
56 T	a-Terpineol	0.250	0.259	-3.6	106	0.00
57 T	3-Chloroaniline	0.117	0.124	-6.0	102	0.00
58 T	2,6-Dichlorophenol	0.264	0.308	-16.7	114	0.00
59 T	1-chloro-2-nitrobenzene	0.124	0.136	-9.7	115	0.00
60 T	Caprolactam	0.125	0.131	-4.8	115	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.415	0.407	1.9	107	0.00
62 T	Biphenyl	0.948	0.945	0.3	108	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	110	0.00
84 T	Dichloran	0.145	0.149	-2.8	131	0.00
85 T	Pentachloronitrobenzene	0.133	0.159	-19.5	128	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	121	0.00
99 T	Diphenamid	0.435	0.444	-2.1	117	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : AP90916a.D
 Acq On : 16 Sep 2025 8:17 am
 Operator : SV107:smz
 Sample : WG2115301-4,32,,AP9 11932 gmr0814B
 Misc : WG2115301,,ical22592
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 16 08:37:27 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 08:38:05 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.424	152	50979	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	7.850	136	192887	4.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	9.619	164	116209	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	11.064	188	242302	4.000	ug/ml	# 0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	5.849	105	43057	5.581	ug/ml	90
29) Acetophenone	6.924	105	113613	4.963	ug/ml#	82
30) m-Toluidine	7.023	106	79046	5.494	ug/ml	94
31) 2-Chloroaniline	7.427	127	101503	5.154	ug/ml#	92
56) a-Terpineol	7.925	59	62342	5.168	ug/ml#	81
57) 3-Chloroaniline	7.940	65	29857	5.308	ug/ml	99
58) 2,6-Dichlorophenol	7.962	162	74250	5.831	ug/ml#	84
59) 1-chloro-2-nitrobenzene	8.232	111	32722	5.462	ug/ml#	1
60) Caprolactam	8.279	55	31618	5.249	ug/ml#	68
61) 1,2,4,5-Tetrachloroben...	8.764	216	98109	4.906	ug/ml	97
62) Biphenyl	9.072	154	227867	4.987	ug/ml	98
84) Dichloran	10.756	206	21615	5.148	ug/ml#	67
85) Pentachloronitrobenzene	10.899	237	23045	5.984	ug/ml#	83
99) Diphenamid	11.978	167	134425	5.105	ug/ml#	79

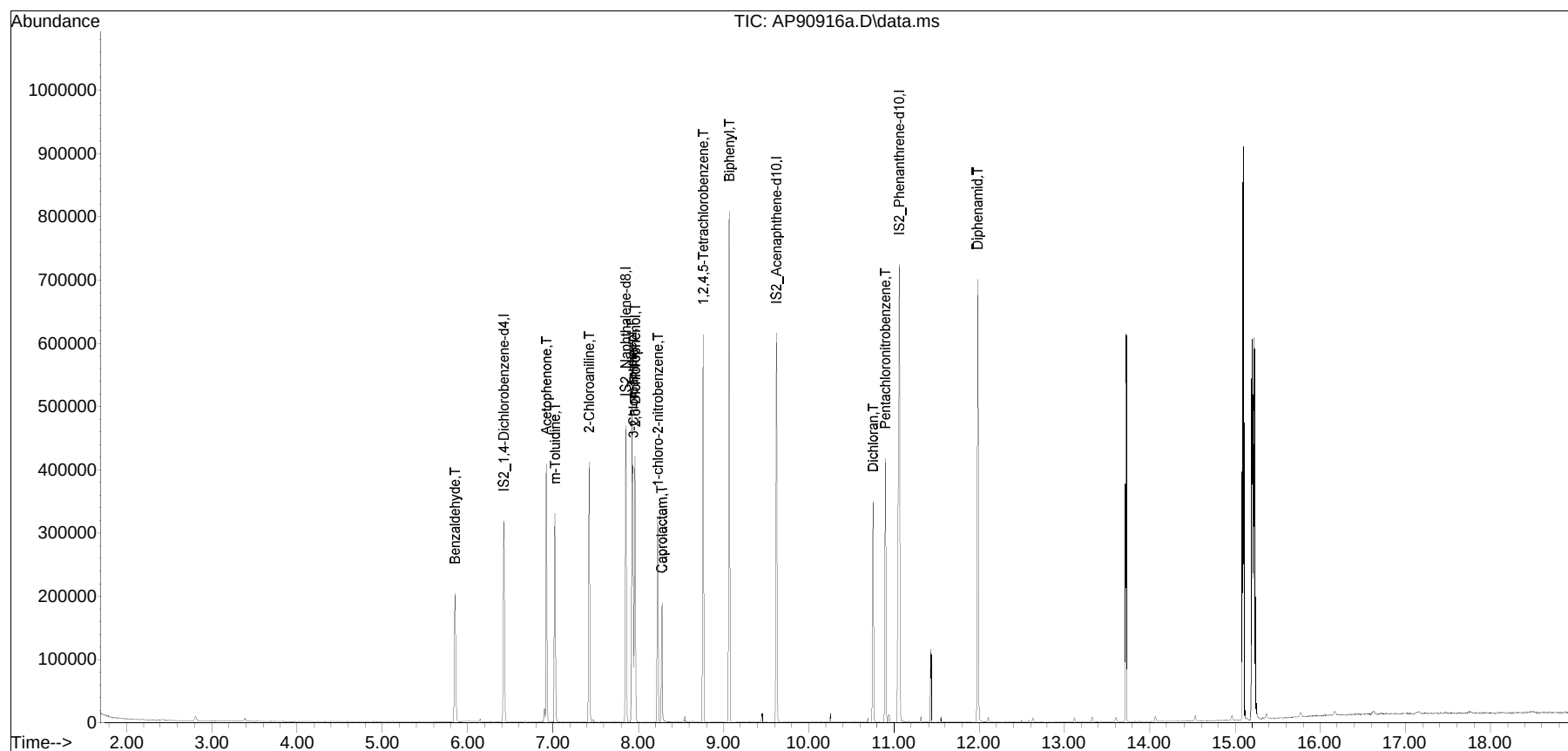
(#) = qualifier out of range (m) = manual integration (+) = signals summed

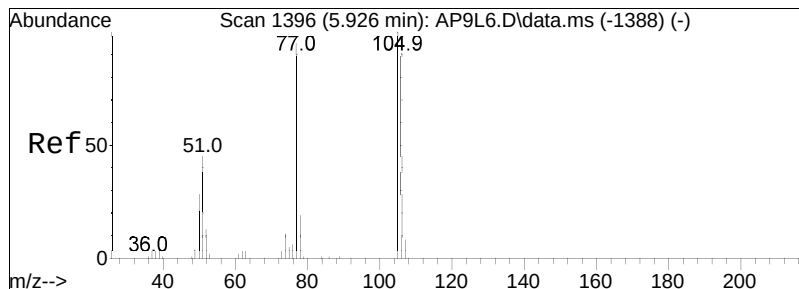
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : AP90916a.D
 Acq On : 16 Sep 2025 8:17 am
 Operator : SV107:smz
 Sample : WG2115301-4,32,,AP9 11932 gmr0814B
 Misc : WG2115301,,ical22592
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 16 08:37:27 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 08:38:05 2025
 Response via : Initial Calibration

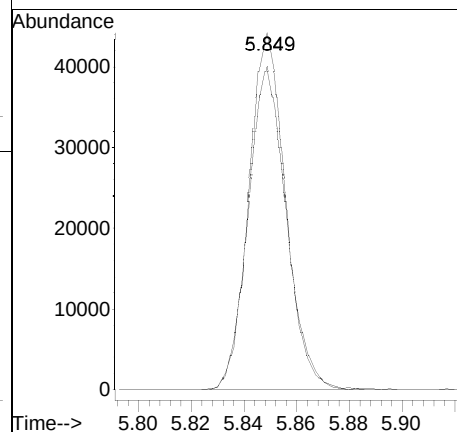
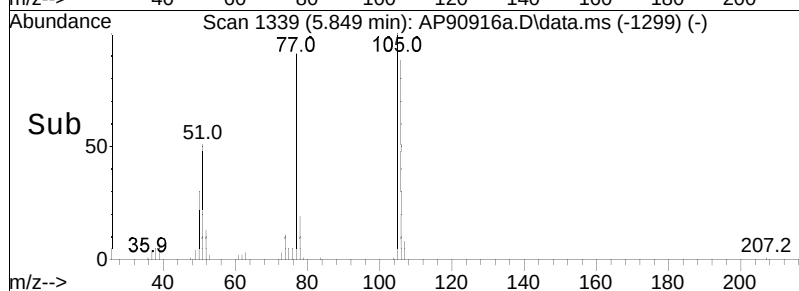
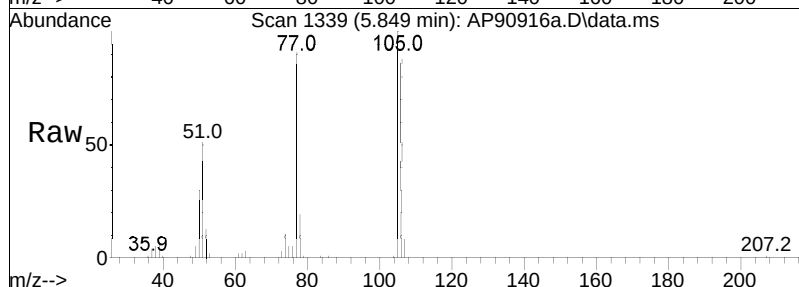
Sub List : AP9ical - AP9 ical sublist

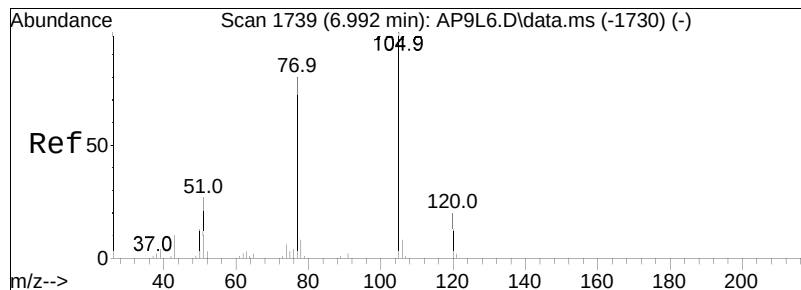




#28
Benzaldehyde
Concen: 5.58 ug/ml
RT: 5.849 min Scan# 1339
Delta R.T. 0.000 min
Lab File: AP90916a.D
Acq: 16 Sep 2025 8:17 am

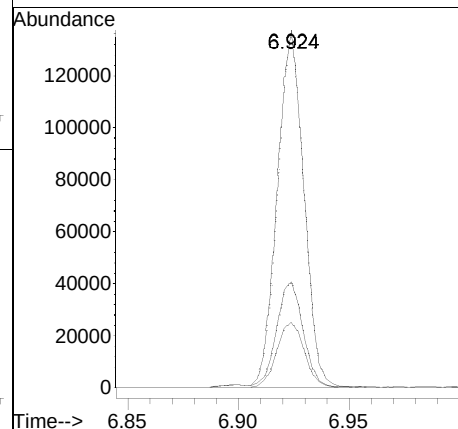
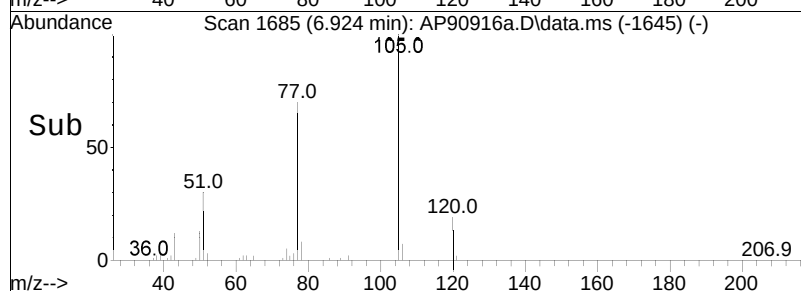
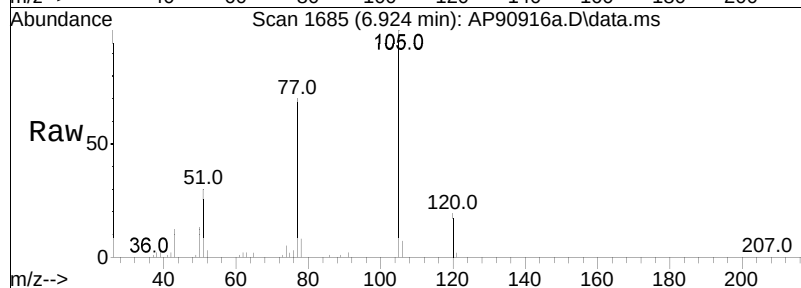
Tgt Ion:105 Resp: 43057
Ion Ratio Lower Upper
105 100
77 92.4 82.2 123.4

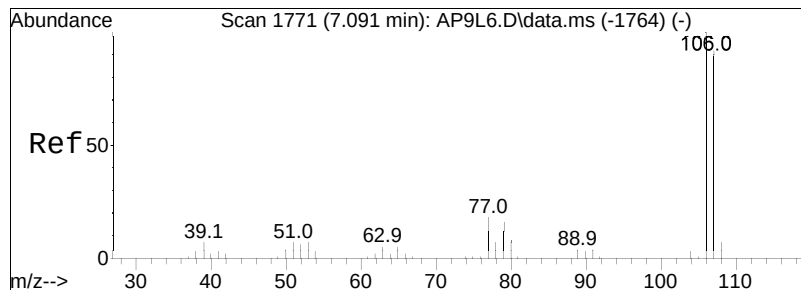




#29
 Acetophenone
 Concen: 4.96 ug/ml
 RT: 6.924 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: AP90916a.D
 Acq: 16 Sep 2025 8:17 am

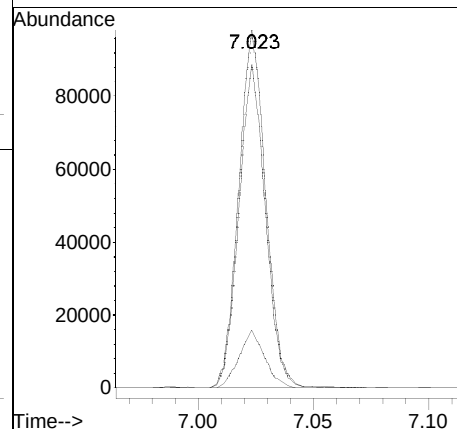
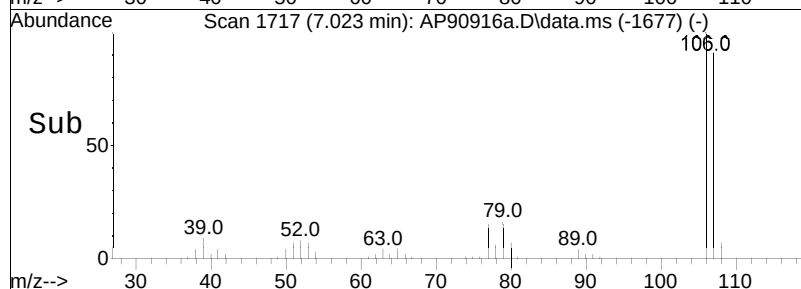
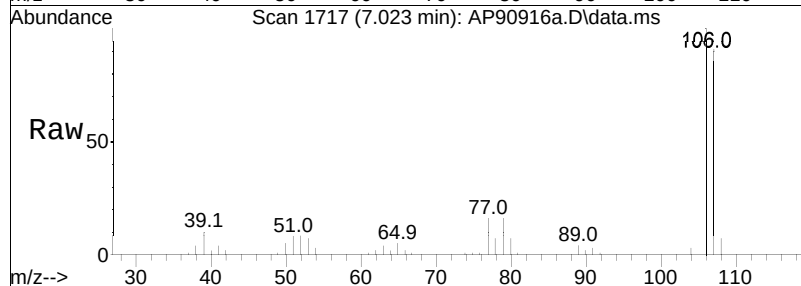
Tgt Ion	Ratio	Lower	Upper
105	100		
120	19.1	20.5	30.7#
51	30.5	34.9	52.3#

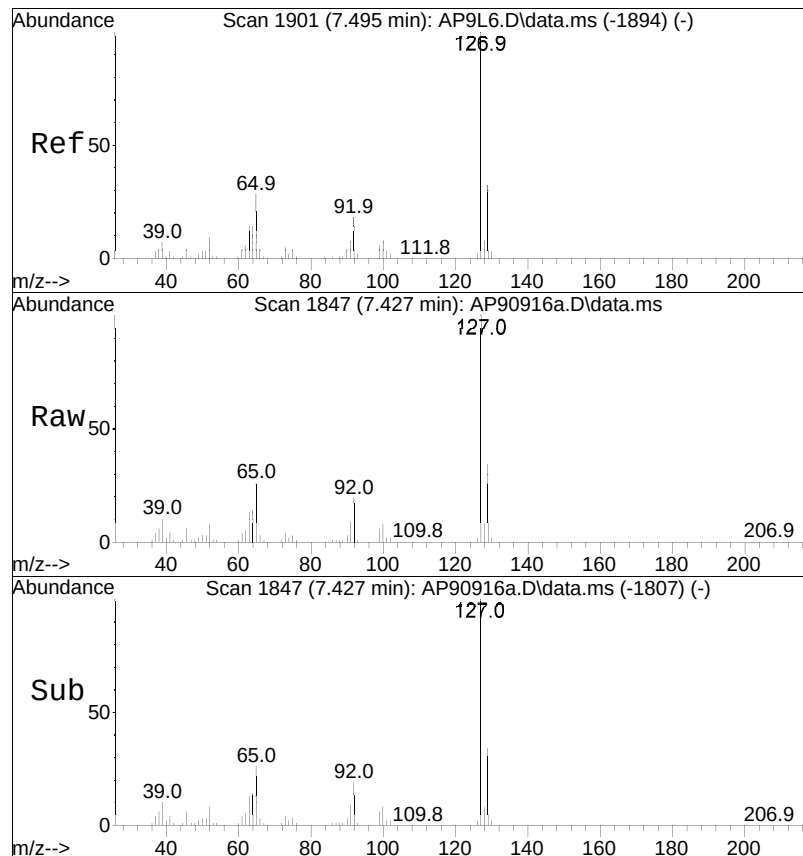




#30
 m-Toluidine
 Concen: 5.49 ug/ml
 RT: 7.023 min Scan# 1717
 Delta R.T. 0.000 min
 Lab File: AP90916a.D
 Acq: 16 Sep 2025 8:17 am

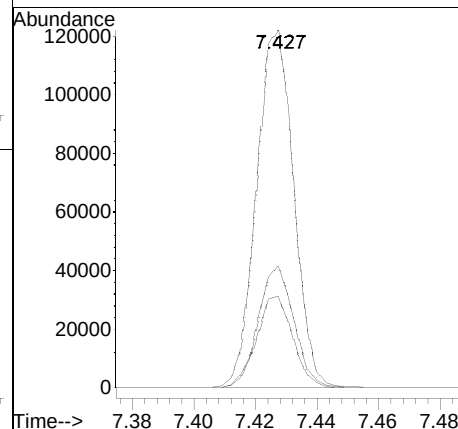
Tgt Ion	Ratio	Lower	Upper
106	100		
107	88.2	75.7	113.5
79	15.4	11.8	17.8

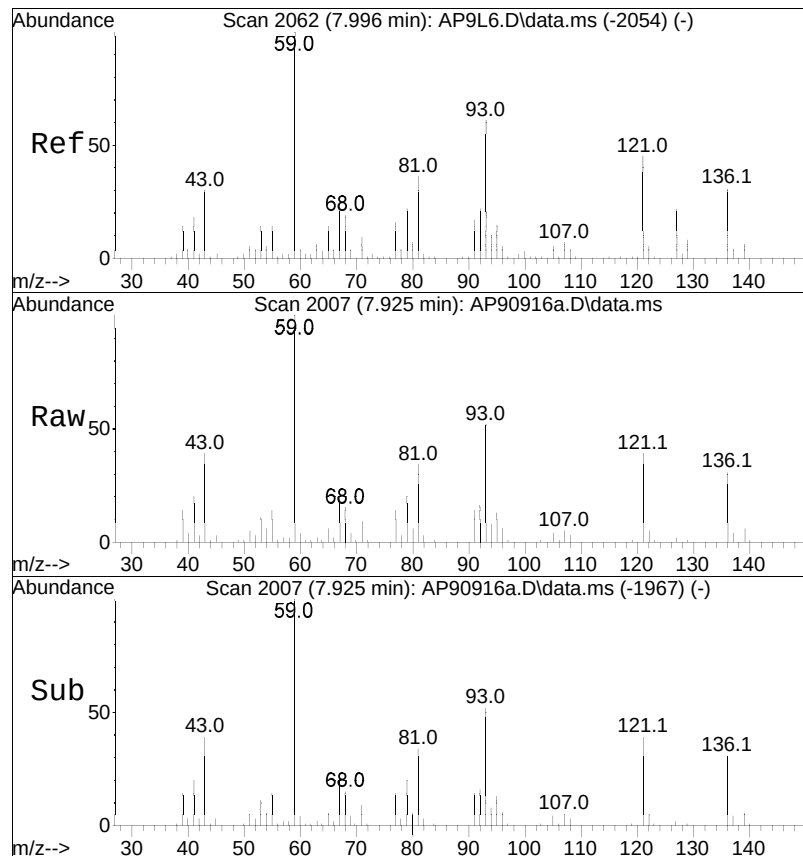




#31
 2-Chloroaniline
 Concen: 5.15 ug/ml
 RT: 7.427 min Scan# 1847
 Delta R.T. 0.000 min
 Lab File: AP90916a.D
 Acq: 16 Sep 2025 8:17 am

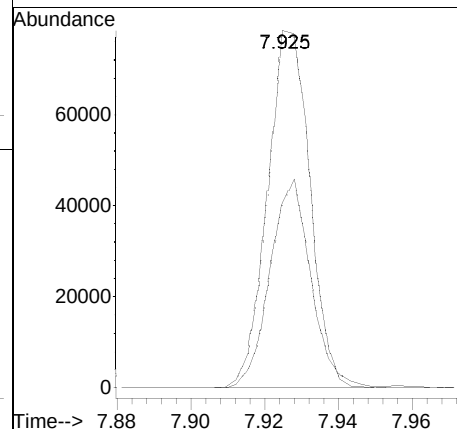
Tgt Ion:	127	Resp:	101503
Ion Ratio	Lower	Upper	
127	100		
129	32.7	25.9	38.9
65	24.8	26.3	39.5#

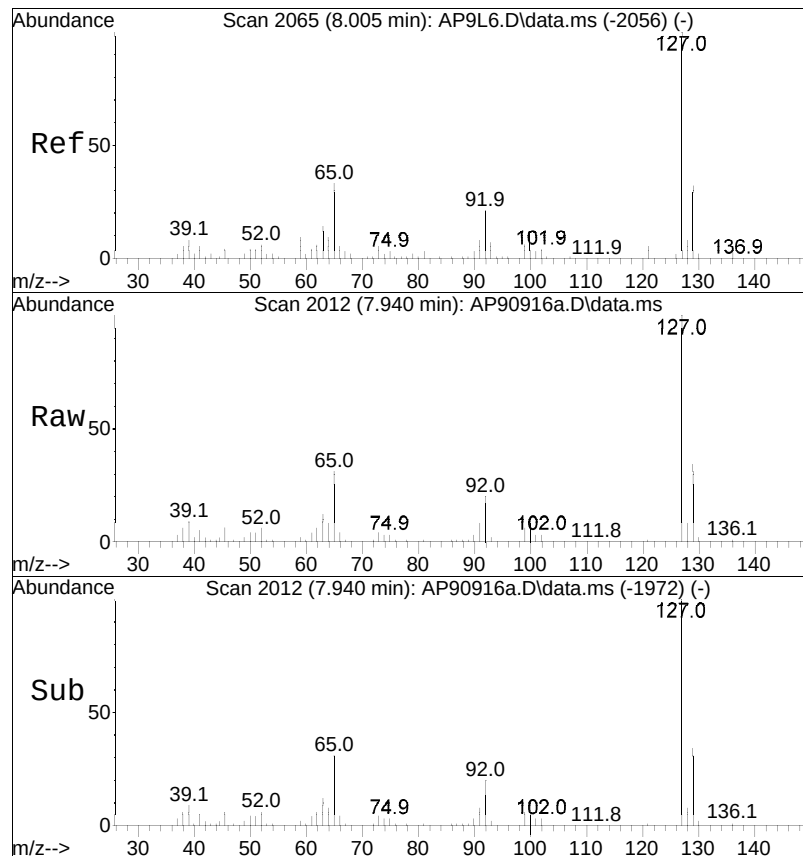




#56
a-Terpineol
Concen: 5.17 ug/ml
RT: 7.925 min Scan# 2007
Delta R.T. 0.000 min
Lab File: AP90916a.D
Acq: 16 Sep 2025 8:17 am

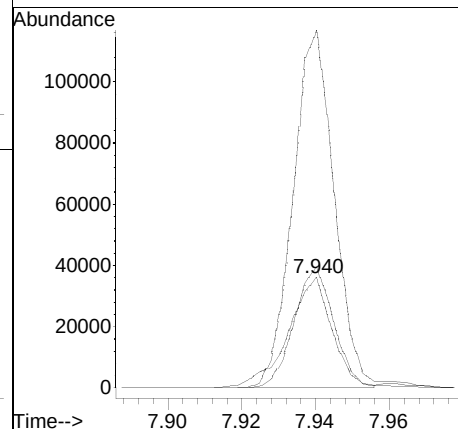
Tgt Ion:	59	93	Ratio	100	56.7	Resp:	62342	Lower	Upper

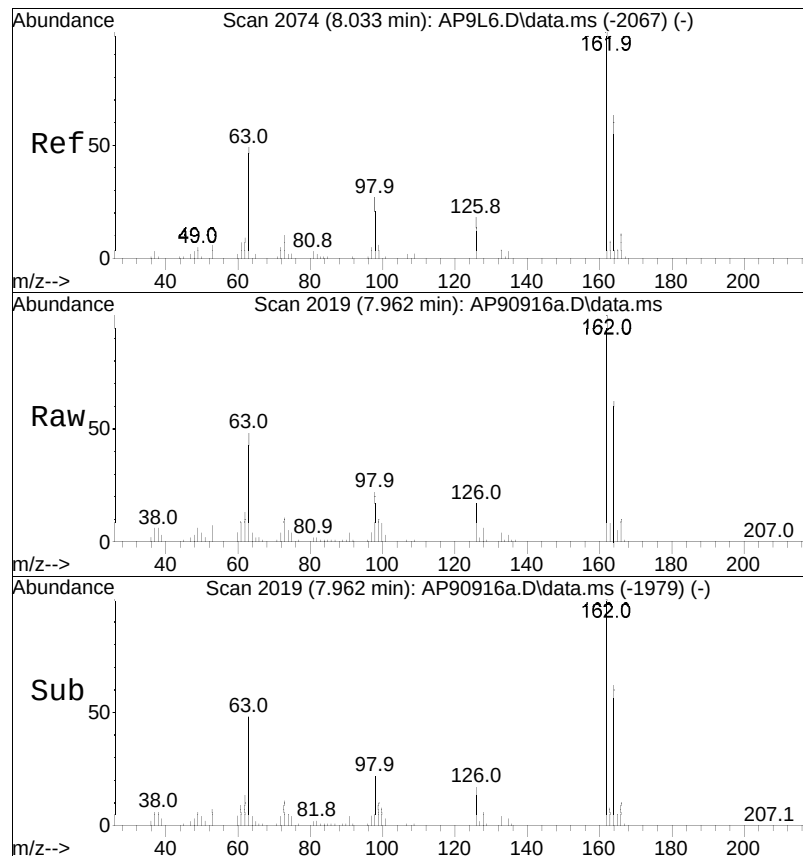




#57
 3-Chloroaniline
 Concen: 5.31 ug/ml
 RT: 7.940 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: AP90916a.D
 Acq: 16 Sep 2025 8:17 am

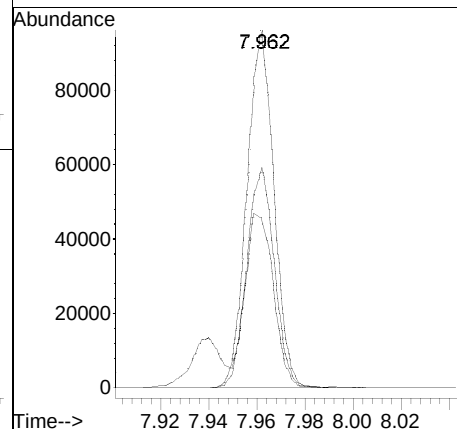
Tgt Ion:	65	Resp:	29857
Ion Ratio	Lower	Upper	
65	100		
127	305.3	243.2	364.8
129	99.9	78.8	118.2

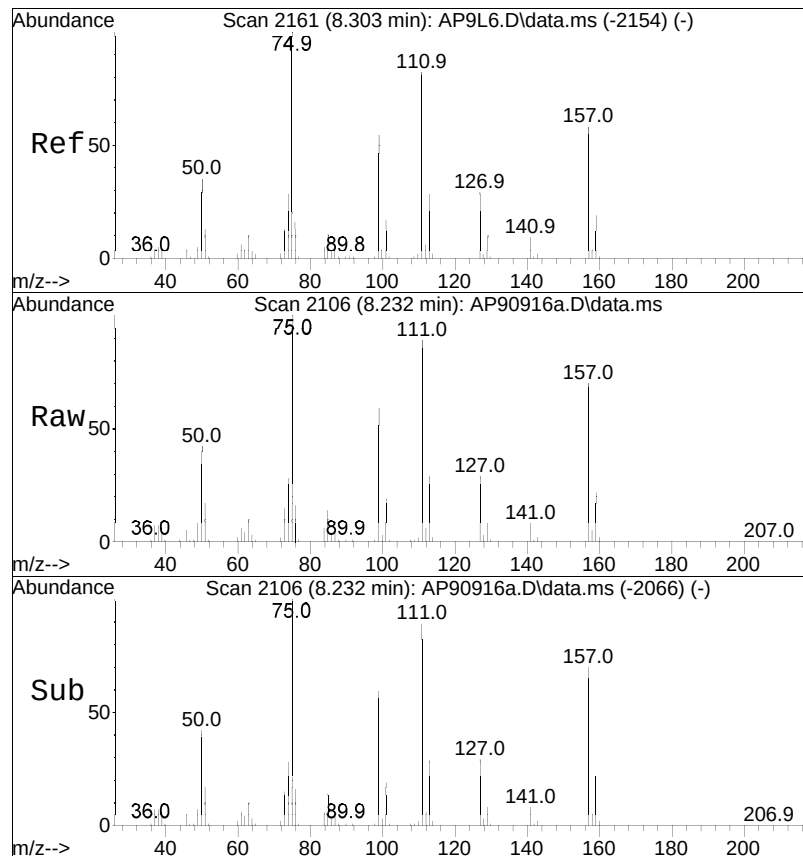




#58
 2,6-Dichlorophenol
 Concen: 5.83 ug/ml
 RT: 7.962 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: AP90916a.D
 Acq: 16 Sep 2025 8:17 am

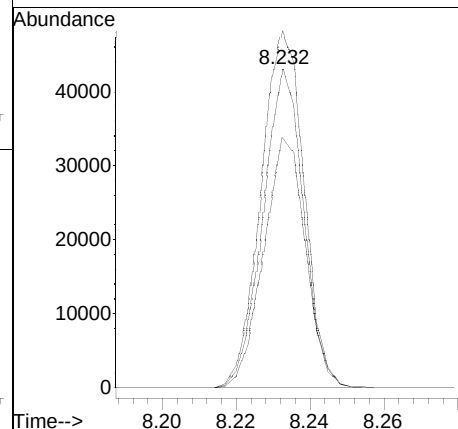
Tgt Ion:	162	Resp:	74250
Ion Ratio	Lower	Upper	
162	100		
164	62.9	51.1	76.7
63	51.0	60.8	91.2#

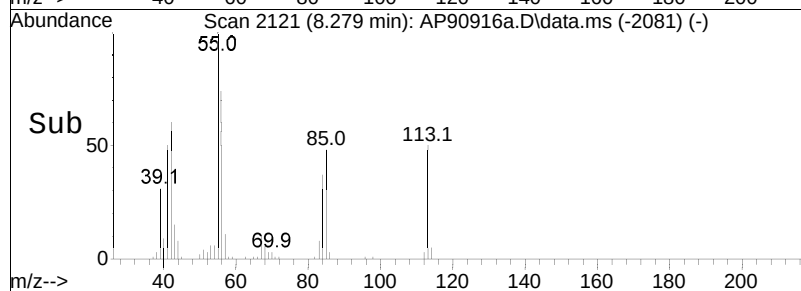
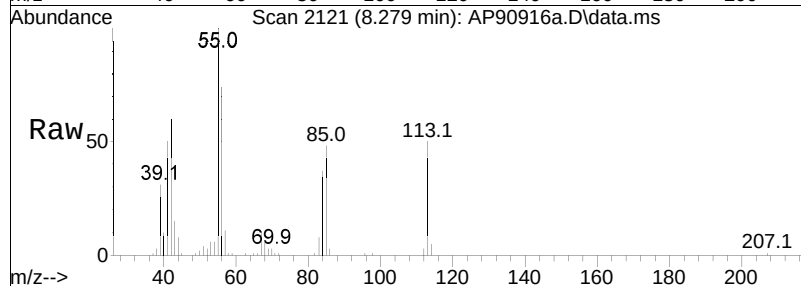
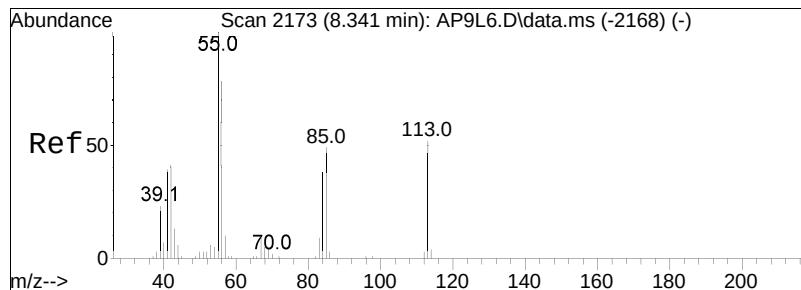




#59
 1-chloro-2-nitrobenzene
 Concen: 5.46 ug/ml
 RT: 8.232 min Scan# 2106
 Delta R.T. 0.000 min
 Lab File: AP90916a.D
 Acq: 16 Sep 2025 8:17 am

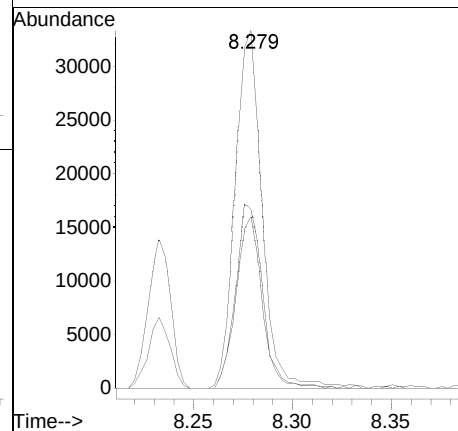
Tgt Ion	Ratio	Lower	Upper
111	100		
157	80.8	0.0	0.0#
75	118.5	28.2	42.2#

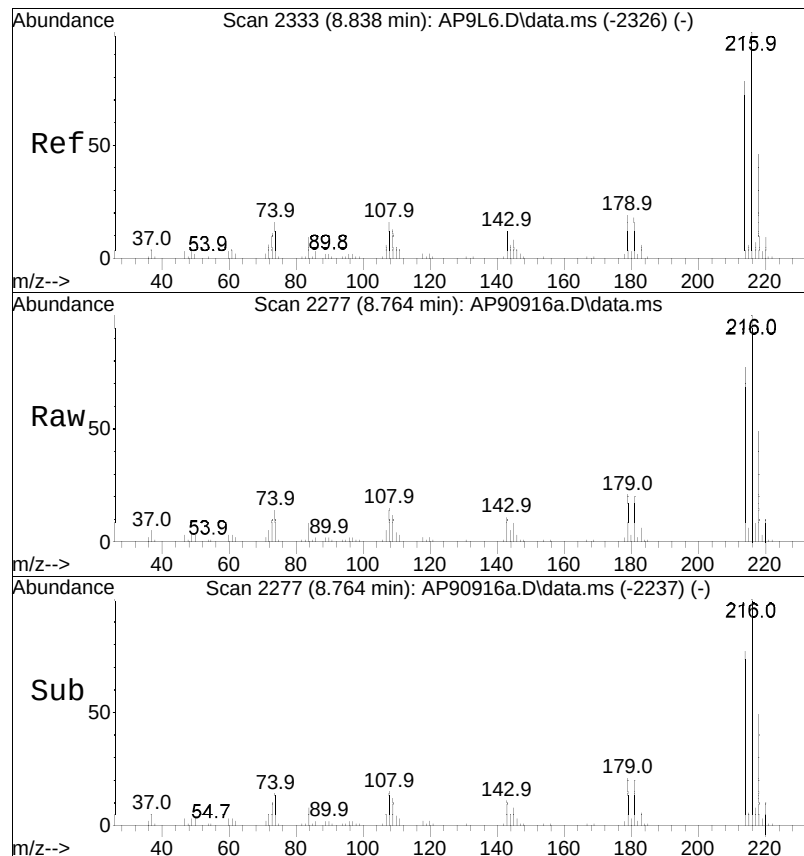




#60
 Caprolactam
 Concen: 5.25 ug/ml
 RT: 8.279 min Scan# 2121
 Delta R.T. 0.000 min
 Lab File: AP90916a.D
 Acq: 16 Sep 2025 8:17 am

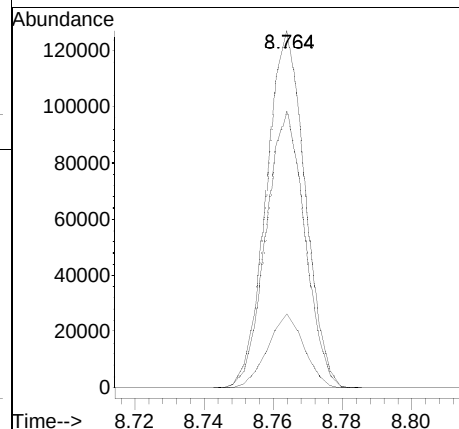
Tgt Ion	Ratio	Lower	Upper
55	100		
85	46.4	19.8	29.6#
113	51.5	29.6	44.4#

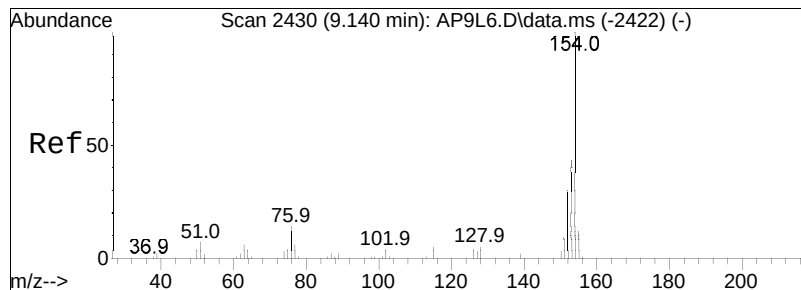




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.91 ug/ml
 RT: 8.764 min Scan# 2277
 Delta R.T. 0.000 min
 Lab File: AP90916a.D
 Acq: 16 Sep 2025 8:17 am

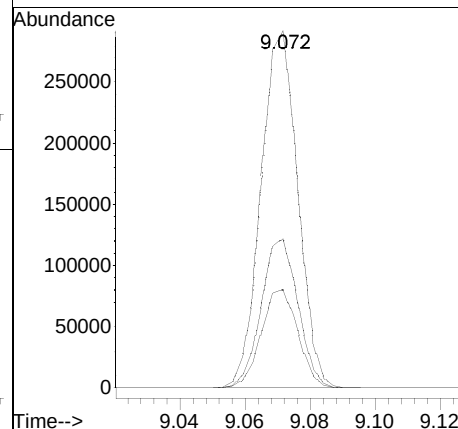
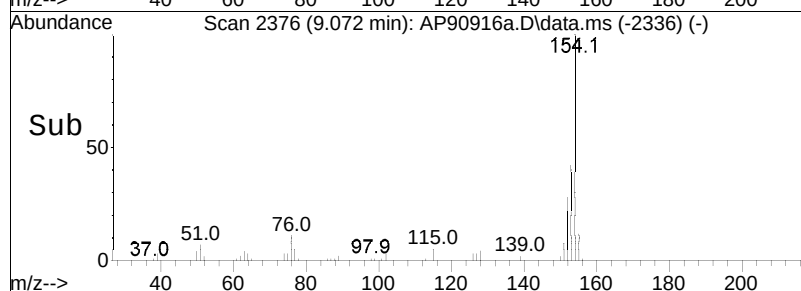
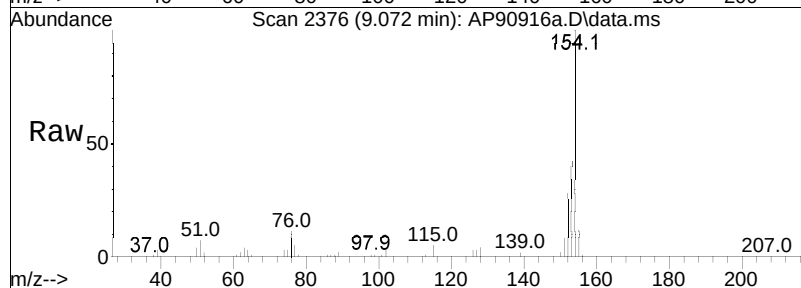
Tgt Ion:	216	Resp:	98109
Ion Ratio	Lower	Upper	
216	100		
214	77.8	63.7	95.5
179	19.8	19.0	28.6

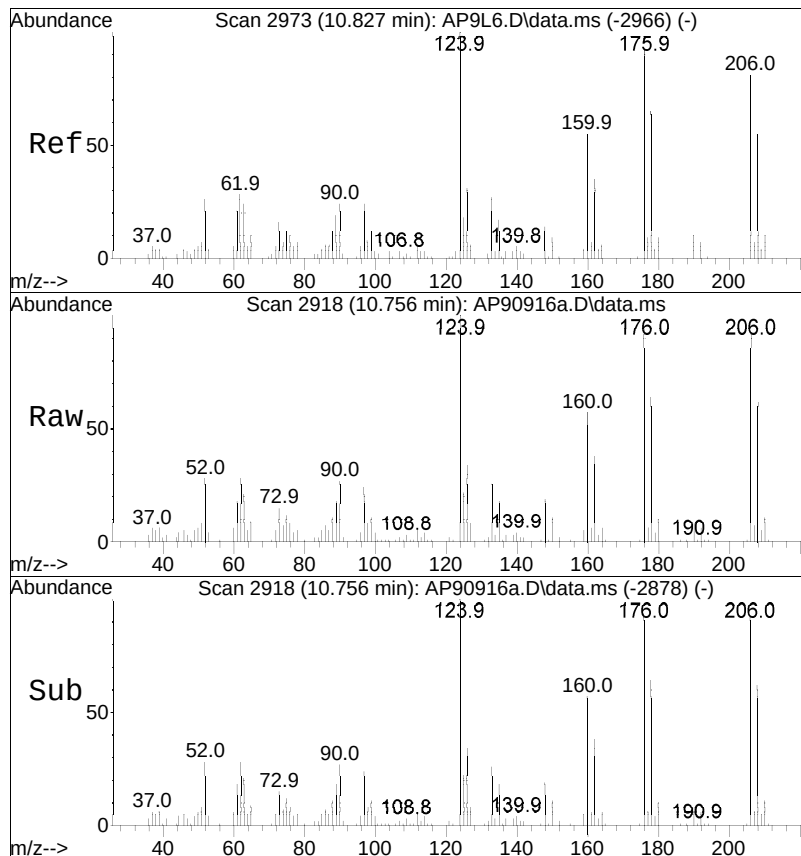




#62
Biphenyl
Concen: 4.99 ug/ml
RT: 9.072 min Scan# 2376
Delta R.T. 0.000 min
Lab File: AP90916a.D
Acq: 16 Sep 2025 8:17 am

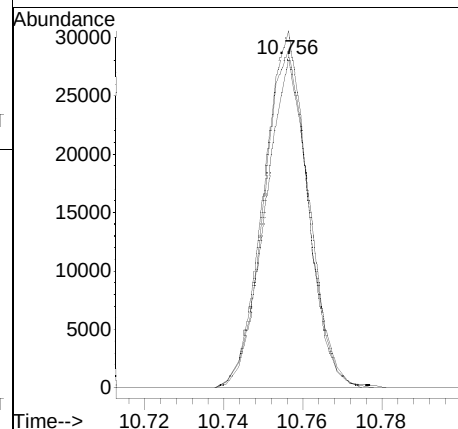
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.8	32.3	48.5
152	27.7	22.5	33.7

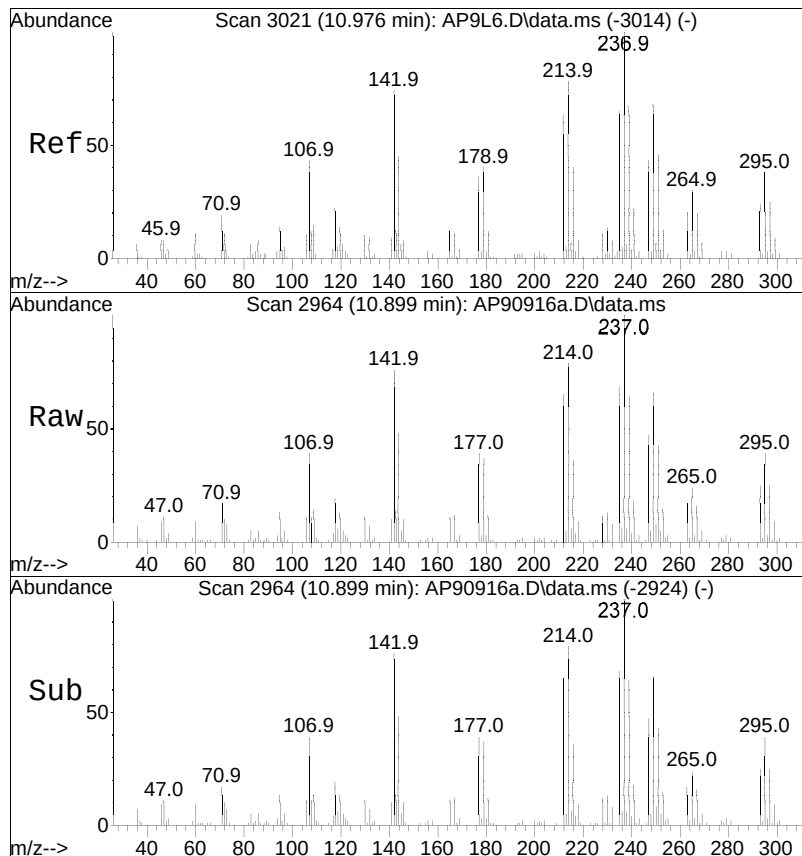




#84
 Dichloran
 Concen: 5.15 ug/ml
 RT: 10.756 min Scan# 2918
 Delta R.T. 0.000 min
 Lab File: AP90916a.D
 Acq: 16 Sep 2025 8:17 am

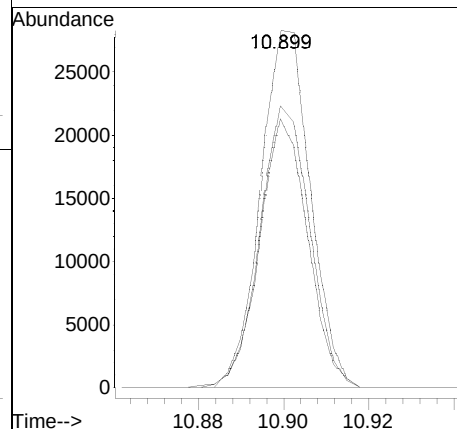
Tgt	Ion:206	Resp:	21615
Ion	Ratio	Lower	Upper
206	100		
176	103.7	104.6	157.0#
124	107.4	130.5	195.7#

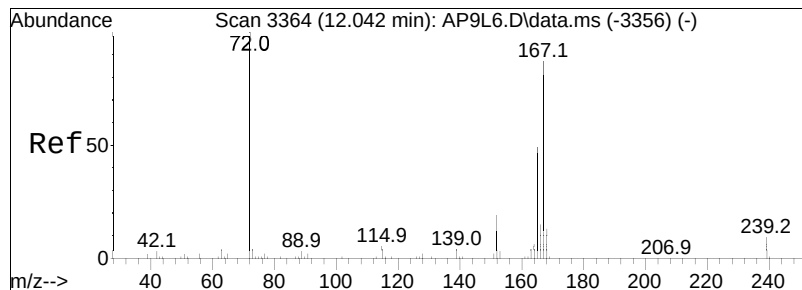




#85
 Pentachloronitrobenzene
 Concen: 5.98 ug/ml
 RT: 10.899 min Scan# 2964
 Delta R.T. 0.000 min
 Lab File: AP90916a.D
 Acq: 16 Sep 2025 8:17 am

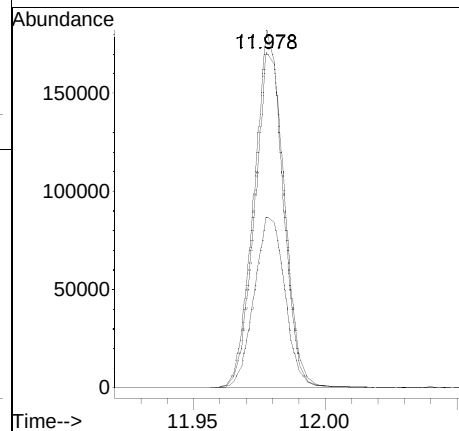
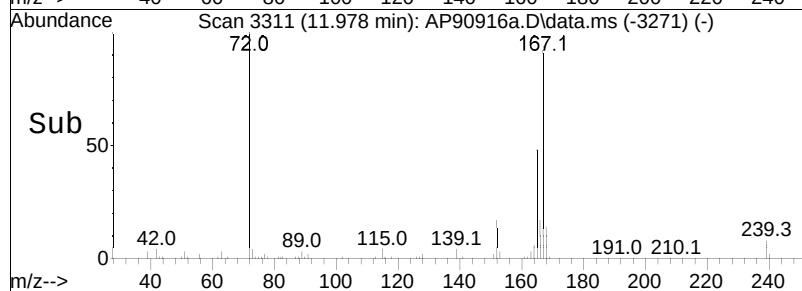
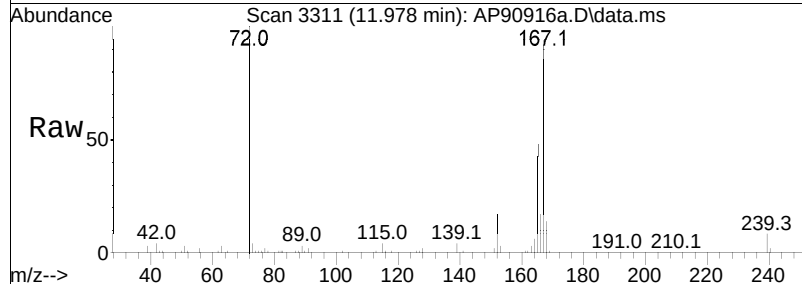
Tgt Ion:	237	Resp:	23045
Ion Ratio	Lower	Upper	
237	100		
142	72.7	77.0	115.4#
214	78.7	58.2	87.4





#99
Diphenamid
Concen: 5.11 ug/ml
RT: 11.978 min Scan# 3311
Delta R.T. 0.000 min
Lab File: AP90916a.D
Acq: 16 Sep 2025 8:17 am

Tgt Ion	Ratio	Lower	Upper
167	100		
72	103.0	109.7	164.5#
165	52.8	41.8	62.6



Manual Integration Report

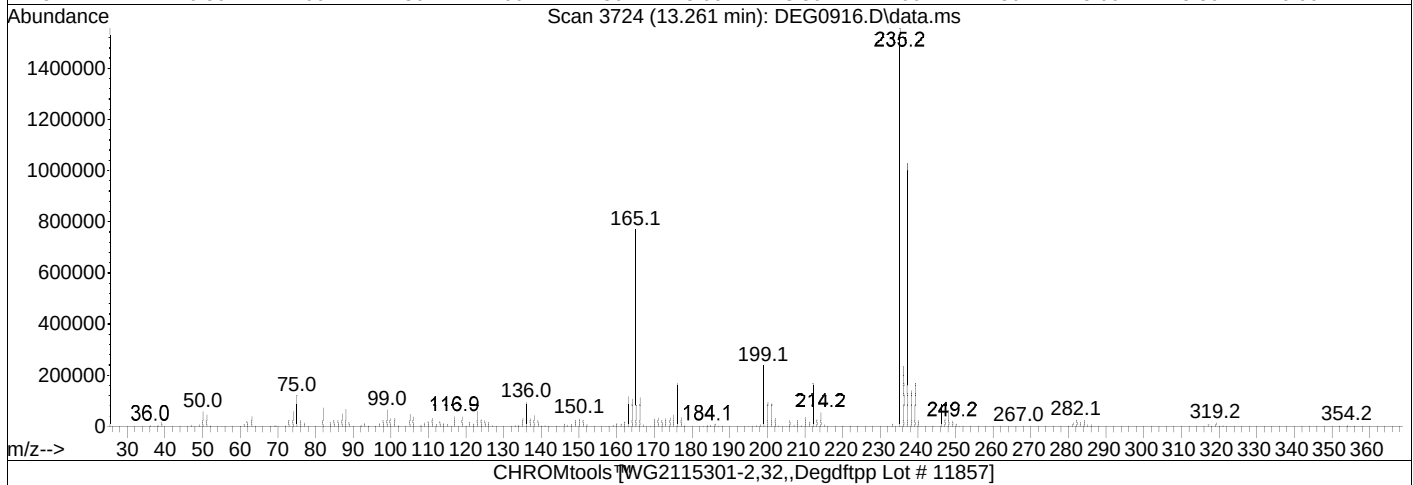
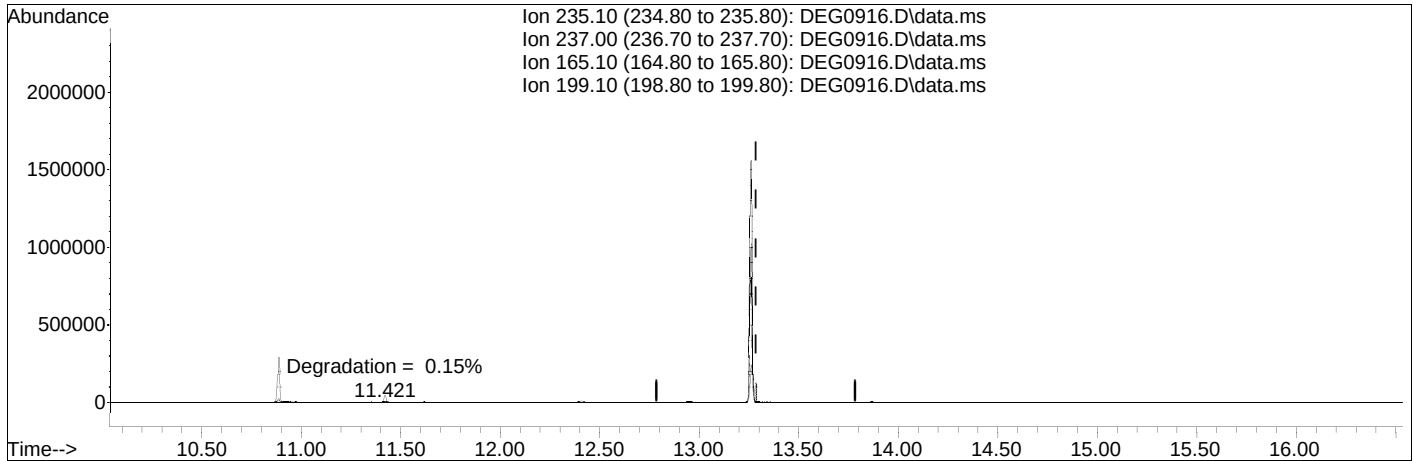
Data Path	: I:\8270\SV107\250916\	QMethod	: FS250826SV107RVT.m
Data File	: AP90916a.D	Operator	: SV107:smz
Date Inj'd	: 9/16/2025 8:17 am	Instrument	: SV107
Sample	: WG2115301-4,32,,AP9 11932	QMethod	: FS250826SV107RVT.m
		Operator	: SV107:smz
		Instrument	: SV107
		Date Inj'd	: 9/16/2025 8:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250916\
Data File : DEG0916.D
Acq On : 16 Sep 2025 6:36 am
Operator : SV107:smz
Sample : WG2115301-2,32,,Degdftpp Lot # 11857
Misc : WG2115301,,ical22592
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 16 12:26:37 2025
Quant Method : I:\8270\SV107\250916\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 13:38:17 2025
Response via : Initial Calibration



CHROMtools [WG2115301-2,32,,Degdftpp Lot # 11857]

(6) DDT (T)

13.261min (-0.025) 221.13

response 1347941

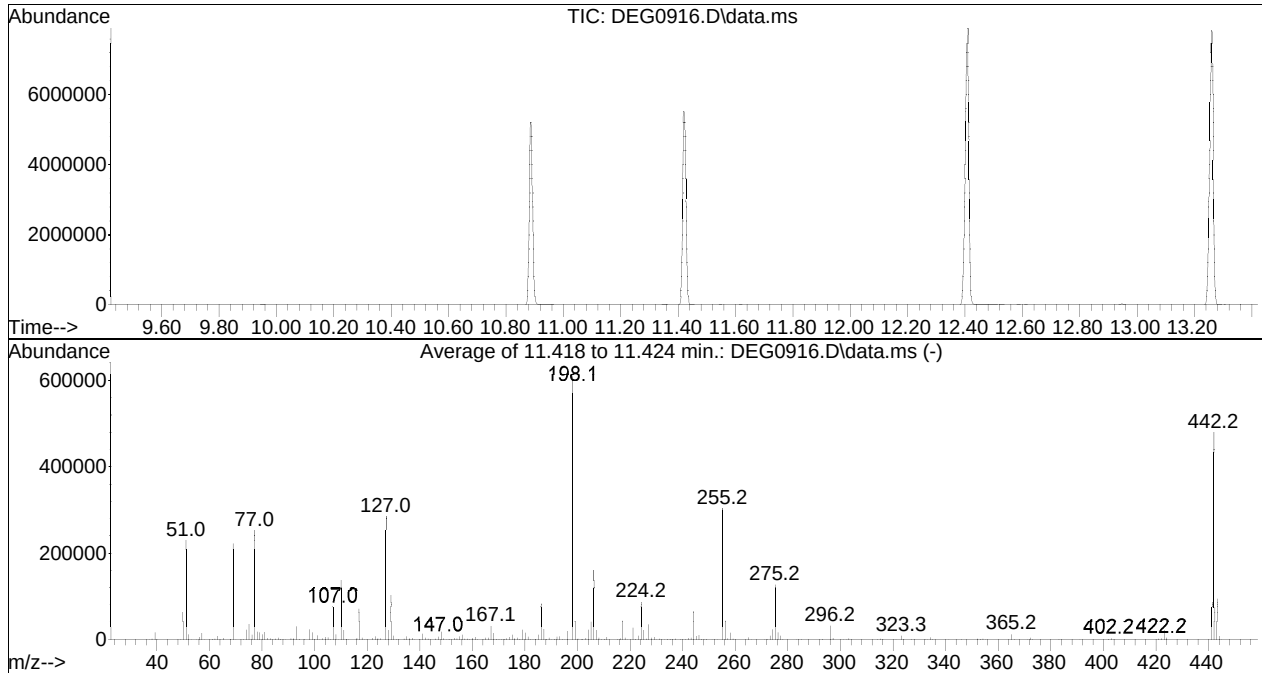
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	64.51
165.10	55.40	51.22
199.10	16.20	15.71

DFTPP

Data Path : I:\8270\SV107\250916\
 Data File : DEG0916.D
 Acq On : 16 Sep 2025 6:36 am
 Operator : SV107:smz
 Sample : WG2115301-1,32,,Degdftpp Lot # 11857
 Misc : WG2115301,,ical22592
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Tue Sep 16 12:23:04 2025



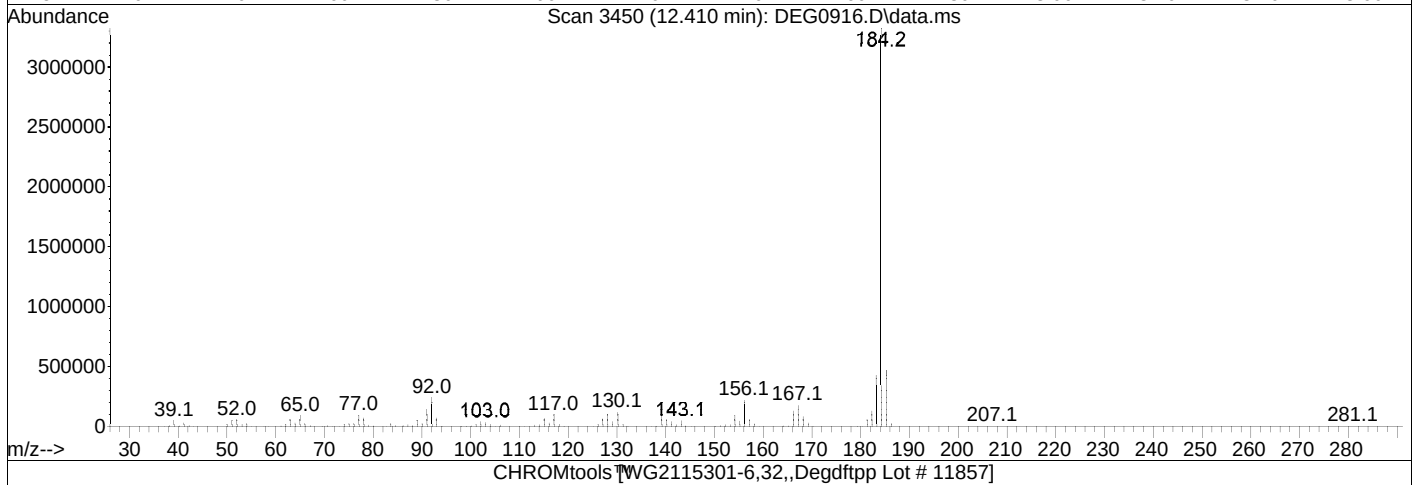
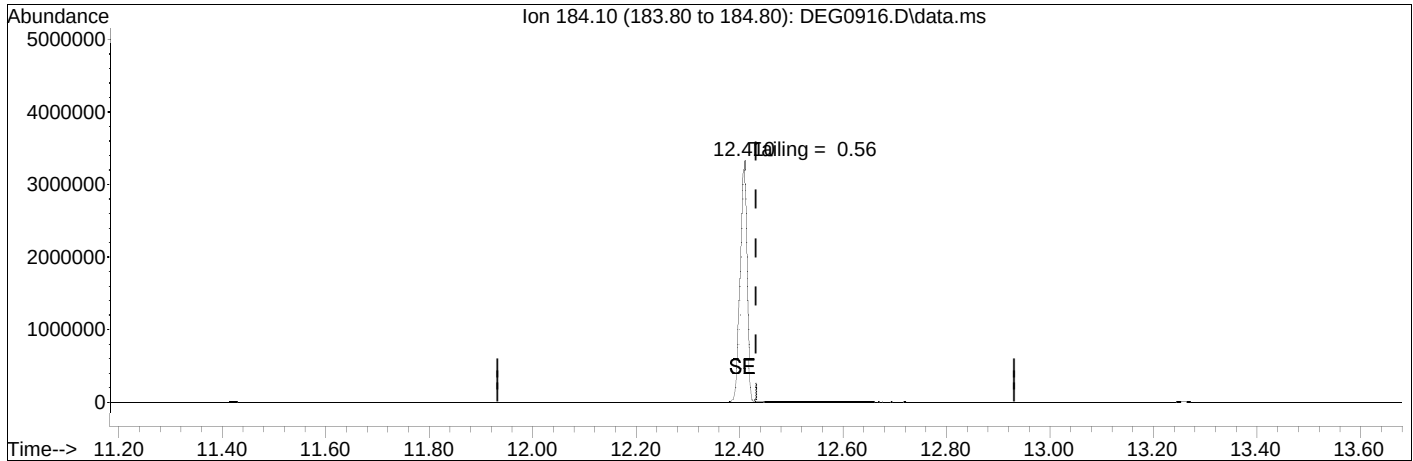
Spectrum Information: Average of 11.418 to 11.424 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.4	228843	PASS
68	69	0.00	2	1.1	2368	PASS
69	69	100	100	100.0	221931	PASS
70	69	0.00	2	0.6	1257	PASS
127	198	10	80	46.6	284800	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	611669	PASS
199	198	5	9	6.9	42184	PASS
275	198	10	60	20.7	126315	PASS
365	198	1	100	2.0	12121	PASS
441	442	0.01	24	18.1	86525	PASS
442	198	50	100	78.2	478613	PASS
443	442	15	24	19.9	95029	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250916\
Data File : DEG0916.D
Acq On : 16 Sep 2025 6:36 am
Operator : SV107:smz
Sample : WG2115301-6,32,,Degdftpp Lot # 11857
Misc : WG2115301,,ical22592
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 16 12:26:37 2025
Quant Method : I:\8270\SV107\250916\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 13:38:17 2025
Response via : Initial Calibration



(3) Benzidine (T)

12.410min (-0.022) 282.40

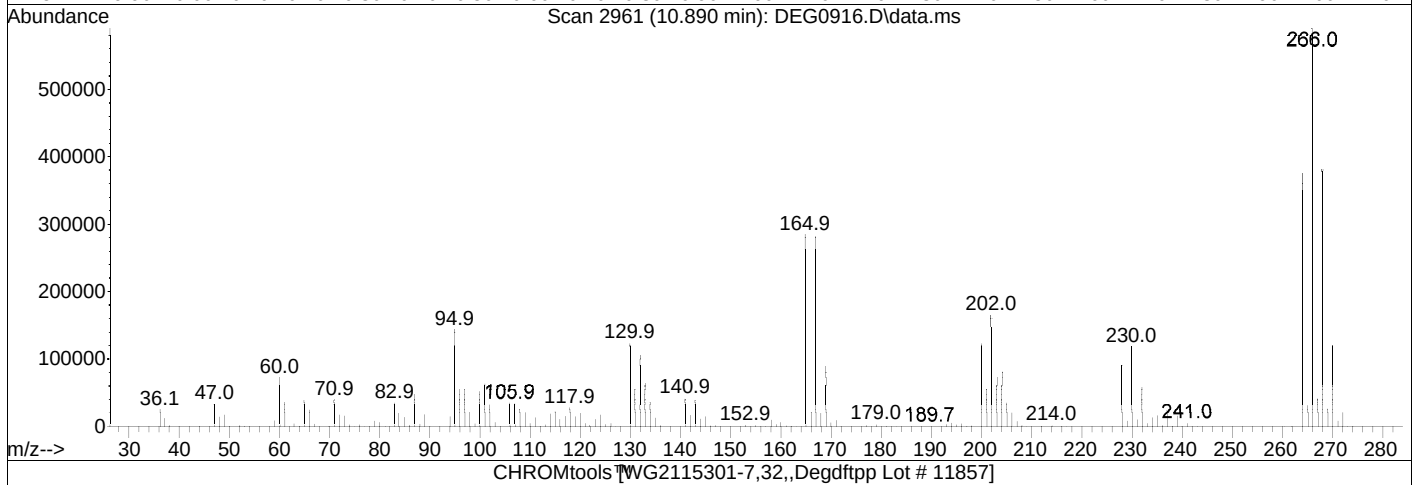
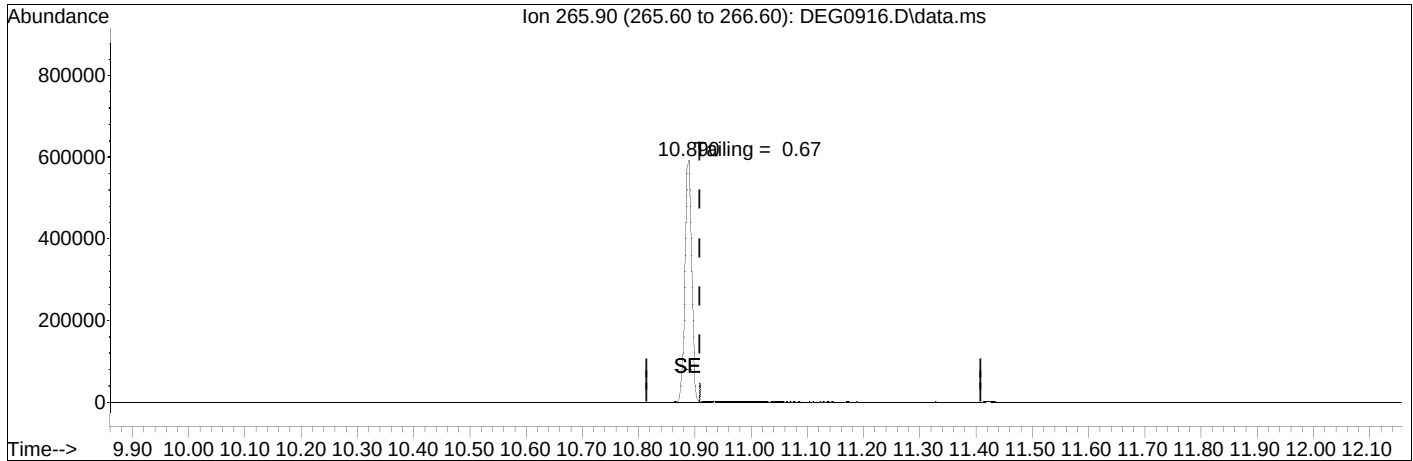
response 2874871

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250916\
Data File : DEG0916.D
Acq On : 16 Sep 2025 6:36 am
Operator : SV107:smz
Sample : WG2115301-7,32,,Degdftpp Lot # 11857
Misc : WG2115301,,ical22592
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 16 12:26:37 2025
Quant Method : I:\8270\SV107\250916\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 13:38:17 2025
Response via : Initial Calibration



(1) Pentachlorophenol (T)

10.890min (-0.019) 221.14

response 464480

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	124	0
n-Nitrosodimethylamine	0.659	0.699	-	-6.1	20	119	0
Pyridine	1.237	0.692	-	44.1*	20	68	0
2-Fluorophenol	1.032	1.016	-	1.6	20	115	0
Aniline	1.692	1.67	-	1.3	20	114	0
2-Chlorophenol	1.228	1.22	-	0.7	20	118	0
Phenol-d6	1.268	1.281	-	-1	20	117	0
Phenol	1.412	1.396	-	1.1	20	118	0
Bis(2-chloroethyl)ether	1.193	1.123	-	5.9	20	118	0
1,3-Dichlorobenzene	1.558	1.416	-	9.1	20	113	0
1,4-Dichlorobenzene	1.592	1.457	-	8.5	20	114	0
1,2-Dichlorobenzene	1.528	1.43	-	6.4	20	117	0
Benzyl alcohol	0.928	0.94	-	-1.3	20	120	0
Bis(2-chloroisopropyl)ethe	1.867	1.858	-	0.5	20	123	0
2-Methylphenol	1.04	1.058	-	-1.7	20	121	0
Hexachloroethane	0.584	0.539	-	7.7	20	114	0
n-Nitrosodi-n-propylamine	0.823	0.804	-	2.3	20	116	0
3-Methylphenol/4-Methylphe	1.102	1.152	-	-4.5	20	122	0
Nitrobenzene-d5	1.172	1.178	-	-0.5	20	121	0
Nitrobenzene	1.19	1.205	-	-1.3	20	124	0
Isophorone	2.158	2.127	-	1.4	20	118	0
2-Nitrophenol	0.494	0.619	-	-25.3*	20	146	0
2,4-Dimethylphenol	1.154	1.216	-	-5.4	20	124	0
Bis(2-chloroethoxy)methane	1.45	1.451	-	-0.1	20	123	0
2,4-Dichlorophenol	1.111	1.175	-	-5.8	20	122	0
1,2,4-Trichlorobenzene	1.448	1.329	-	8.2	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	1.054	0.954	-	9.5	20	119	0
Benzoic Acid	5	4.118	-	17.6	20	105	0
4-Chloroaniline	0.12	0.113	-	5.8	20	119	0
Hexachlorobutadiene	0.231	0.197	-	14.7	20	115	0
p-Chloro-m-cresol	0.256	0.27	-	-5.5	20	129	0
2-Methylnaphthalene	0.632	0.597	-	5.5	20	121	0
1-Methylnaphthalene	0.24	0.223	-	7.1	20	120	0
Hexachlorocyclopentadiene	0.244	0.236	-	3.3	20	125	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	125	0
2,4,5-Trichlorophenol	0.23	0.254	-	-10.4	20	134	0
2-Fluorobiphenyl	0.872	0.8	-	8.3	20	121	0
2-Chloronaphthalene	0.734	0.687	-	6.4	20	123	0
2-Nitroaniline	0.159	0.189	-	-18.9	20	146	0
1,4-Dinitrobenzene	0.077	0.101	-	-31.2*	20	165	0
1,3-Dinitrobenzene	0.093	0.112	-	-20.4*	20	150	0
Dimethyl phthalate	0.769	0.795	-	-3.4	20	130	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.089	-	1	20	126	0
2,6-Dinitrotoluene	0.131	0.168	-	-28.2*	20	146	0
1,2-Dinitrobenzene	0.06	0.078	-	-30*	20	158	0
IS1_Acenaphthene-d10	1	1	-	0	20	136	0
3-Nitroaniline	0.246	0.303	-	-23.2*	20	151	0
Acenaphthene	1.144	1.06	-	7.3	20	131	0
2,4-Dinitrophenol	5	5.306	-	-6.1	20	164	0
Dibenzofuran	1.834	1.712	-	6.7	20	129	0
2,4-Dinitrotoluene	5	5.411	-	-8.2	20	154	0
4-Nitrophenol	0.185	0.225	-	-21.6*	20	153	0
2,3,5,6-Tetrachlorophenol	0.304	0.338	-	-11.2	20	140	0
2,3,4,6-Tetrachlorophenol	0.3	0.338	-	-12.7	20	142	0
Diethyl phthalate	1.28	1.274	-	0.5	20	133	0
Fluorene	1.409	1.368	-	2.9	20	131	0
4-Chlorophenyl phenyl ethe	0.719	0.665	-	7.5	20	130	0
4-Nitroaniline	0.246	0.294	-	-19.5	20	159	0
4,6-Dinitro-o-cresol	5	6.143	-	-22.9*	20	187	0
NDPA/DPA	1.112	1.112	-	0	20	131	0
Azobenzene	1.133	1.146	-	-1.1	20	134	0
2,4,6-Tribromophenol	0.152	0.171	-	-12.5	20	141	0
4-Bromophenyl phenyl ether	0.383	0.354	-	7.6	20	127	0
Hexachlorobenzene	0.399	0.381	-	4.5	20	134	0
Pentachlorophenol	0.216	0.237	-	-9.7	20	146	0
IS1_Phenanthrene-d10	1	1	-	0	20	149	0
Phenanthrene	1.146	1.048	-	8.6	20	139	0
Anthracene	1.122	1.041	-	7.2	20	138	0
Carbazole	0.975	0.984	-	-0.9	20	143	0
Di-n-butylphthalate	1.07	1.044	-	2.4	20	136	0
Fluoranthene	1.217	1.202	-	1.2	20	142	0
Benzidine	5	4.829	-	3.4	20	147	0
Pyrene	1.292	1.283	-	0.7	20	142	0
4-Terphenyl-d14	0.865	0.85	-	1.7	20	143	0
Butyl benzyl phthalate	5	4.759	-	4.8	20	161	0
IS1_Chrysene-d12	1	1	-	0	20	167	0
Benzo(a)anthracene	1.367	1.29	-	5.6	20	159	0
3,3'-Dichlorobenzidine	0.436	0.436	-	0	20	165	0
Chrysene	1.352	1.234	-	8.7	20	158	0
Bis(2-ethylhexyl)phthalate	5	4.147	-	17.1	20	150	0
Di-n-octylphthalate	5	4.228	-	15.4	20	159	0
Benzo(b)fluoranthene	1.185	1.148	-	3.1	20	166	0
Benzo(k)fluoranthene	1.199	1.178	-	1.8	20	163	0
Benzo(a)pyrene	1.101	1.057	-	4	20	162	0
IS1_Perylene-d12	1	1	-	0	20	181	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: SV107	Calibration Date	: 09/16/25 07:02
Lab File ID	: ABN0916	Init. Calib. Date(s)	: 08/26/25 08/27/25
Sample No	: WG2115301-3	Init. Calib. Times	: 18:52 16:37
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.14	-	-2.6	20	175	0
Dibenzo(a,h)anthracene	1.154	1.167	-	-1.1	20	172	0
Benzo(ghi)perylene	1.15	1.159	-	-0.8	20	169	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0916
 Sample No : WG2115301-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:52
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
1,4-Dioxane	0.545	0.496	-	9	20	91	0
n-Decane	1.567	1.423	-	9.2	20	87	0
IS3_Acenaphthene-d10	1	1	-	0	20	95	0
Atrazine	0.33	0.365	-	-10.6	20	103	0
IS3_Phenanthrene-d10	1	1	-	0	20	105	0
n-Octadecane	0.441	0.392	-	11.1	20	90	0
Parathion	5	5.065	-	-1.3	20	121	0
3,3'-Dimethylbenzidine	5	4.241	-	15.2	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90916A
 Sample No : WG2115301-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 08:17
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
Benzaldehyde	0.605	0.676	-	-11.7	20	115	0
Acetophenone	1.796	1.783	-	0.7	20	102	0
m-Toluidine	1.129	1.24	-	-9.8	20	114	0
2-Chloroaniline	1.545	1.593	-	-3.1	20	105	0
IS2_Naphthalene-d8	1	1	-	0	20	106	0
a-Terpineol	0.25	0.259	-	-3.6	20	106	0
3-Chloroaniline	0.117	0.124	-	-6	20	102	0
2,6-Dichlorophenol	0.264	0.308	-	-16.7	20	114	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	115	0
Caprolactam	0.125	0.131	-	-4.8	20	115	0
1,2,4,5-Tetrachlorobenzene	0.415	0.407	-	1.9	20	107	0
Biphenyl	0.948	0.945	-	0.3	20	108	0
IS2_Acenaphthene-d10	1	1	-	0	20	110	0
Dichloran	0.145	0.149	-	-2.8	20	131	0
Pentachloronitrobenzene	0.133	0.159	-	-19.5	20	128	0
IS2_Phenanthrene-d10	1	1	-	0	20	121	0
Diphenamid	0.435	0.444	-	-2.1	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
n-Nitrosodimethylamine	0.66	0.638	-	3.3	20	117	0
Pyridine	1.131	0.712	-	37*	20	74	0
2-Fluorophenol	1.106	1.161	-	-5	20	124	0
Aniline	1.738	1.626	-	6.4	20	109	0
2-Chlorophenol	1.332	1.351	-	-1.4	20	120	0
Phenol-d6	1.318	1.355	-	-2.8	20	123	0
Phenol	1.441	1.371	-	4.9	20	115	0
Bis(2-chloroethyl)ether	1.143	1.093	-	4.4	20	117	0
1,3-Dichlorobenzene	1.598	1.561	-	2.3	20	119	0
1,4-Dichlorobenzene	1.634	1.607	-	1.7	20	121	0
1,2-Dichlorobenzene	1.572	1.532	-	2.5	20	121	0
Benzyl alcohol	0.964	0.925	-	4	20	116	0
Bis(2-chloroisopropyl)ethe	1.867	1.756	-	5.9	20	115	0
2-Methylphenol	1.104	1.097	-	0.6	20	119	0
Hexachloroethane	0.602	0.61	-	-1.3	20	121	0
n-Nitrosodi-n-propylamine	0.815	0.804	-	1.3	20	117	0
3-Methylphenol/4-Methylphe	1.207	1.177	-	2.5	20	118	0
Nitrobenzene-d5	1.226	1.242	-	-1.3	20	121	0
Nitrobenzene	1.26	1.251	-	0.7	20	118	0
Isophorone	2.296	2.198	-	4.3	20	114	0
2-Nitrophenol	0.64	0.694	-	-8.4	20	128	0
2,4-Dimethylphenol	1.271	1.264	-	0.6	20	116	0
Bis(2-chloroethoxy)methane	1.546	1.501	-	2.9	20	118	0
2,4-Dichlorophenol	1.17	1.185	-	-1.3	20	118	0
1,2,4-Trichlorobenzene	1.374	1.358	-	1.2	20	121	0
IS1_Naphthalene-d8	1	1	-	0	20	122	0
Naphthalene	1.082	1.044	-	3.5	20	118	0
Benzoic Acid	5	3.799	-	24*	20	103	0
4-Chloroaniline	0.117	0.109	-	6.8	20	109	0
Hexachlorobutadiene	0.2	0.201	-	-0.5	20	122	0
p-Chloro-m-cresol	0.284	0.276	-	2.8	20	116	0
2-Methylnaphthalene	0.641	0.634	-	1.1	20	122	0
1-Methylnaphthalene	0.227	0.223	-	1.8	20	122	0
Hexachlorocyclopentadiene	0.254	0.256	-	-0.8	20	121	0
2,4,6-Trichlorophenol	0.213	0.22	-	-3.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.251	-	-5	20	121	0
2-Fluorobiphenyl	0.821	0.804	-	2.1	20	121	0
2-Chloronaphthalene	0.727	0.702	-	3.4	20	119	0
2-Nitroaniline	0.206	0.221	-	-7.3	20	120	0
1,4-Dinitrobenzene	0.097	0.098	-	-1	20	118	0
1,3-Dinitrobenzene	0.112	0.114	-	-1.8	20	116	0
Dimethyl phthalate	0.857	0.822	-	4.1	20	115	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.157	-	1.1	20	116	0
2,6-Dinitrotoluene	0.167	0.177	-	-6	20	123	0
1,2-Dinitrobenzene	0.073	0.074	-	-1.4	20	114	0
IS1_Acenaphthene-d10	1	1	-	0	20	125	0
3-Nitroaniline	0.342	0.345	-	-0.9	20	118	0
Acenaphthene	1.136	1.055	-	7.1	20	118	0
2,4-Dinitrophenol	0.166	0.119	-	28.3*	20	95	0
Dibenzofuran	1.844	1.721	-	6.7	20	119	0
2,4-Dinitrotoluene	0.385	0.399	-	-3.6	20	117	0
4-Nitrophenol	0.238	0.248	-	-4.2	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.342	-	-0.6	20	117	0
2,3,4,6-Tetrachlorophenol	0.33	0.342	-	-3.6	20	117	0
Diethyl phthalate	1.516	1.384	-	8.7	20	113	0
Fluorene	1.447	1.31	-	9.5	20	115	0
4-Chlorophenyl phenyl ethe	0.688	0.639	-	7.1	20	117	0
4-Nitroaniline	0.337	0.338	-	-0.3	20	116	0
4,6-Dinitro-o-cresol	0.214	0.199	-	7	20	114	0
NDPA/DPA	1.209	1.153	-	4.6	20	117	0
Azobenzene	1.272	1.187	-	6.7	20	113	0
2,4,6-Tribromophenol	0.194	0.204	-	-5.2	20	128	0
4-Bromophenyl phenyl ether	0.424	0.399	-	5.9	20	121	0
Hexachlorobenzene	0.475	0.451	-	5.1	20	123	0
Pentachlorophenol	0.28	0.239	-	14.6	20	109	0
IS1_Phenanthrene-d10	1	1	-	0	20	126	0
Phenanthrene	1.202	1.076	-	10.5	20	116	0
Anthracene	1.178	1.095	-	7	20	117	0
Carbazole	1.081	1.02	-	5.6	20	115	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	119	0
Fluoranthene	1.296	1.224	-	5.6	20	118	0
Benzidine	0.831	0.838	-	-0.8	20	126	0
Pyrene	1.383	1.319	-	4.6	20	119	0
4-Terphenyl-d14	0.982	0.936	-	4.7	20	123	0
Butyl benzyl phthalate	0.529	0.571	-	-7.9	20	128	0
IS1_Chrysene-d12	1	1	-	0	20	129	0
Benzo(a)anthracene	1.349	1.235	-	8.5	20	121	0
3,3'-Dichlorobenzidine	0.464	0.498	-	-7.3	20	130	0
Chrysene	1.336	1.194	-	10.6	20	120	0
Bis(2-ethylhexyl)phthalate	0.846	0.886	-	-4.7	20	126	0
Di-n-octylphthalate	1.419	1.462	-	-3	20	130	0
Benzo(b)fluoranthene	1.278	1.219	-	4.6	20	126	0
Benzo(k)fluoranthene	1.303	1.236	-	5.1	20	119	0
Benzo(a)pyrene	1.197	1.178	-	1.6	20	124	0
IS1_Perylene-d12	1	1	-	0	20	131	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.067	-	6.5	20	121	0
Dibenzo(a,h)anthracene	1.181	1.118	-	5.3	20	122	0
Benzo(ghi)perylene	1.164	1.085	-	6.8	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90917
 Sample No : WG2116036-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:13
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
Benzaldehyde	0.645	0.553	-	14.3	20	107	0
Acetophenone	1.905	1.537	-	19.3	20	101	0
m-Toluidine	1.123	1.012	-	9.9	20	103	0
2-Chloroaniline	1.724	1.451	-	15.8	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	122	0
a-Terpineol	0.267	0.217	-	18.7	20	99	0
3-Chloroaniline	0.114	0.097	-	14.9	20	96	0
2,6-Dichlorophenol	0.285	0.255	-	10.5	20	107	0
1-chloro-2-nitrobenzene	0.135	0.119	-	11.9	20	107	0
Caprolactam	0.142	0.119	-	16.2	20	98	0
1,2,4,5-Tetrachlorobenzene	0.373	0.3	-	19.6	20	100	0
Biphenyl	0.931	0.735	-	21.1*	20	99	0
IS2_Acenaphthene-d10	1	1	-	0	20	122	0
Dichloran	0.158	0.129	-	18.4	20	98	0
Pentachloronitrobenzene	0.154	0.133	-	13.6	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	119	0
Diphenamid	0.487	0.403	-	17.2	20	94	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ADP0917
 Sample No : WG2116036-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:34
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
1,4-Dioxane	0.477	0.433	-	9.2	20	118	0
n-Decane	1.449	1.281	-	11.6	20	111	0
IS3_Acenaphthene-d10	1	1	-	0	20	125	0
Atrazine	0.372	0.371	-	0.3	20	123	0
IS3_Phenanthrene-d10	1	1	-	0	20	125	0
n-Octadecane	0.48	0.416	-	13.3	20	106	0
Parathion	5	4.144	-	17.1	20	119	0
3,3'-Dimethylbenzidine	5	4.075	-	18.5	20	101	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	135	0
n-Nitrosodimethylamine	0.594	0.581	-	2.2	20	133	0
Pyridine	5	4.372	-	12.6	20	139	0
2-Fluorophenol	0.881	0.967	-	-9.8	20	145	0
Aniline	1.484	1.494	-	-0.7	20	132	0
2-Chlorophenol	1.075	1.163	-	-8.2	20	146	0
Phenol-d6	1.175	1.279	-	-8.9	20	152	0
Phenol	1.351	1.313	-	2.8	20	131	0
Bis(2-chloroethyl)ether	0.968	0.948	-	2.1	20	137	0
1,3-Dichlorobenzene	1.515	1.415	-	6.6	20	131	0
1,4-Dichlorobenzene	1.532	1.444	-	5.7	20	130	0
1,2-Dichlorobenzene	1.467	1.458	-	0.6	20	136	0
Benzyl alcohol	0.829	0.931	-	-12.3	20	152	0
Bis(2-chloroisopropyl)ethe	1.724	1.349	-	21.8*	20	110	0
2-Methylphenol	0.915	0.985	-	-7.7	20	142	0
Hexachloroethane	0.539	0.504	-	6.5	20	131	0
n-Nitrosodi-n-propylamine	0.797	0.804	-	-0.9	20	139	0
3-Methylphenol/4-Methylphe	1.028	1.089	-	-5.9	20	147	0
Nitrobenzene-d5	1.117	1.136	-	-1.7	20	137	0
Nitrobenzene	1.128	1.171	-	-3.8	20	136	0
Isophorone	2.059	2.106	-	-2.3	20	135	0
2-Nitrophenol	0.53	0.609	-	-14.9	20	162	0
2,4-Dimethylphenol	1.061	1.17	-	-10.3	20	144	0
Bis(2-chloroethoxy)methane	1.369	1.283	-	6.3	20	128	0
2,4-Dichlorophenol	1.189	1.289	-	-8.4	20	150	0
1,2,4-Trichlorobenzene	1.494	1.478	-	1.1	20	134	0
IS1_Naphthalene-d8	1	1	-	0	20	139	0
Naphthalene	0.993	0.985	-	0.8	20	142	0
Benzoic Acid	5	8.053	-	-61.1*	20	283	0
4-Chloroaniline	0.127	0.109	-	14.2	20	129	0
Hexachlorobutadiene	0.27	0.221	-	18.1	20	118	0
p-Chloro-m-cresol	0.263	0.288	-	-9.5	20	154	0
2-Methylnaphthalene	0.656	0.673	-	-2.6	20	145	0
1-Methylnaphthalene	0.245	0.238	-	2.9	20	144	0
Hexachlorocyclopentadiene	0.306	0.291	-	4.9	20	129	0
2,4,6-Trichlorophenol	0.28	0.279	-	0.4	20	139	0
2,4,5-Trichlorophenol	0.31	0.341	-	-10	20	149	0
2-Fluorobiphenyl	0.987	0.947	-	4.1	20	136	0
2-Chloronaphthalene	0.81	0.81	-	0	20	141	0
2-Nitroaniline	0.204	0.233	-	-14.2	20	162	0
1,4-Dinitrobenzene	0.103	0.114	-	-10.7	20	156	0
1,3-Dinitrobenzene	0.117	0.128	-	-9.4	20	148	0
Dimethyl phthalate	1.014	0.999	-	1.5	20	136	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.314	-	-3.8	20	141	0
2,6-Dinitrotoluene	0.199	0.203	-	-2	20	144	0
1,2-Dinitrobenzene	0.074	0.076	-	-2.7	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	138	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	153	0
Acenaphthene	1.035	0.972	-	6.1	20	139	0
2,4-Dinitrophenol	0.158	0.137	-	13.3	20	128	0
Dibenzofuran	1.815	1.719	-	5.3	20	140	0
2,4-Dinitrotoluene	0.369	0.392	-	-6.2	20	145	0
4-Nitrophenol	0.204	0.219	-	-7.4	20	149	0
2,3,5,6-Tetrachlorophenol	0.37	0.42	-	-13.5	20	157	0
2,3,4,6-Tetrachlorophenol	0.387	0.397	-	-2.6	20	146	0
Diethyl phthalate	1.394	1.388	-	0.4	20	140	0
Fluorene	1.408	1.383	-	1.8	20	144	0
4-Chlorophenyl phenyl ethe	0.76	0.694	-	8.7	20	131	0
4-Nitroaniline	0.27	0.308	-	-14.1	20	159	0
4,6-Dinitro-o-cresol	0.236	0.231	-	2.1	20	141	0
NDPA/DPA	1.224	1.243	-	-1.6	20	146	0
Azobenzene	1.155	1.104	-	4.4	20	133	0
2,4,6-Tribromophenol	0.229	0.286	-	-24.9*	20	185	0
4-Bromophenyl phenyl ether	0.488	0.436	-	10.7	20	136	0
Hexachlorobenzene	0.564	0.548	-	2.8	20	143	0
Pentachlorophenol	0.306	0.338	-	-10.5	20	159	0
IS1_Phenanthrene-d10	1	1	-	0	20	140	0
Phenanthrene	1.097	1.023	-	6.7	20	140	0
Anthracene	1.058	1.024	-	3.2	20	140	0
Carbazole	0.981	0.972	-	0.9	20	143	0
Di-n-butylphthalate	1.04	1.069	-	-2.8	20	141	0
Fluoranthene	1.319	1.27	-	3.7	20	138	0
Benzidine	0.744	0.863	-	-16	20	164	0
Pyrene	1.411	1.339	-	5.1	20	135	0
4-Terphenyl-d14	1.035	0.972	-	6.1	20	133	0
Butyl benzyl phthalate	0.461	0.484	-	-5	20	152	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.167	-	4	20	129	0
3,3'-Dichlorobenzidine	0.438	0.518	-	-18.3	20	149	0
Chrysene	1.234	1.188	-	3.7	20	134	0
Bis(2-ethylhexyl)phthalate	0.579	0.7	-	-20.9*	20	141	0
Di-n-octylphthalate	1.024	1.181	-	-15.3	20	145	0
Benzo(b)fluoranthene	1.227	1.307	-	-6.5	20	142	0
Benzo(k)fluoranthene	1.227	1.307	-	-6.5	20	138	0
Benzo(a)pyrene	1.119	1.28	-	-14.4	20	147	0
IS1_Perylene-d12	1	1	-	0	20	139	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : DAKOTA
Lab File ID : ABN0917
Sample No : WG2116041-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/17/25 10:42
Init. Calib. Date(s) : 08/20/25 08/20/25
Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.144	-	-2	20	144	0
Dibenzo(a,h)anthracene	1.132	1.16	-	-2.5	20	145	0
Benzo(ghi)perylene	1.145	1.14	-	0.4	20	143	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90917
 Sample No : WG2116041-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 11:05
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	133	0
Benzaldehyde	0.534	0.502	-	6	20	136	0
Acetophenone	1.663	1.348	-	18.9	20	118	0
m-Toluidine	0.957	0.942	-	1.6	20	131	0
2-Chloroaniline	1.447	1.328	-	8.2	20	126	0
IS2_Naphthalene-d8	1	1	-	0	20	141	0
a-Terpineol	0.245	0.191	-	22*	20	116	0
3-Chloroaniline	0.122	0.099	-	18.9	20	121	0
2,6-Dichlorophenol	0.33	0.301	-	8.8	20	134	0
1-chloro-2-nitrobenzene	0.135	0.114	-	15.6	20	125	0
Caprolactam	0.128	0.101	-	21.1*	20	118	0
1,2,4,5-Tetrachlorobenzene	0.495	0.377	-	23.8*	20	115	0
Biphenyl	1.02	0.84	-	17.6	20	124	0
IS2_Acenaphthene-d10	1	1	-	0	20	142	0
Dichloran	0.199	0.145	-	27.1*	20	118	0
Pentachloronitrobenzene	0.197	0.151	-	23.4*	20	117	0
IS2_Phenanthrene-d10	1	1	-	0	20	144	0
Diphenamid	0.486	0.4	-	17.7	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ADP0917
 Sample No : WG2116041-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 11:27
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	134	0
1,4-Dioxane	0.411	0.375	-	8.8	20	125	0
n-Decane	1.27	0.912	-	28.2*	20	102	0
IS3_Acenaphthene-d10	1	1	-	0	20	146	0
Atrazine	0.486	0.418	-	14	20	132	0
IS3_Phenanthrene-d10	1	1	-	0	20	148	0
n-Octadecane	0.368	0.268	-	27.2*	20	114	0
Parathion	5	4.91	-	1.8	20	144	0
3,3'-Dimethylbenzidine	5	3.277	-	34.5*	20	99	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
n-Nitrosodimethylamine	0.66	0.8	-	-21.2*	20	133	0
Pyridine	1.131	0.872	-	22.9*	20	82	0
2-Fluorophenol	1.106	1.244	-	-12.5	20	120	0
Aniline	1.738	1.633	-	6	20	99	0
2-Chlorophenol	1.332	1.386	-	-4.1	20	111	0
Phenol-d6	1.318	1.377	-	-4.5	20	113	0
Phenol	1.441	1.406	-	2.4	20	107	0
Bis(2-chloroethyl)ether	1.143	1.104	-	3.4	20	106	0
1,3-Dichlorobenzene	1.598	1.574	-	1.5	20	108	0
1,4-Dichlorobenzene	1.634	1.577	-	3.5	20	107	0
1,2-Dichlorobenzene	1.572	1.527	-	2.9	20	108	0
Benzyl alcohol	0.964	0.913	-	5.3	20	103	0
Bis(2-chloroisopropyl)ethe	1.867	1.527	-	18.2	20	90	0
2-Methylphenol	1.104	1.083	-	1.9	20	106	0
Hexachloroethane	0.602	0.581	-	3.5	20	104	0
n-Nitrosodi-n-propylamine	0.815	0.734	-	9.9	20	96	0
3-Methylphenol/4-Methylphe	1.207	1.129	-	6.5	20	102	0
Nitrobenzene-d5	1.226	1.172	-	4.4	20	103	0
Nitrobenzene	1.26	1.161	-	7.9	20	99	0
Isophorone	2.296	2.205	-	4	20	104	0
2-Nitrophenol	0.64	0.742	-	-15.9	20	124	0
2,4-Dimethylphenol	1.271	1.332	-	-4.8	20	110	0
Bis(2-chloroethoxy)methane	1.546	1.517	-	1.9	20	108	0
2,4-Dichlorophenol	1.17	1.274	-	-8.9	20	115	0
1,2,4-Trichlorobenzene	1.374	1.414	-	-2.9	20	114	0
IS1_Naphthalene-d8	1	1	-	0	20	114	0
Naphthalene	1.082	1.021	-	5.6	20	108	0
Benzoic Acid	5	3.814	-	23.7*	20	97	0
4-Chloroaniline	0.117	0.105	-	10.3	20	97	0
Hexachlorobutadiene	0.2	0.205	-	-2.5	20	116	0
p-Chloro-m-cresol	0.284	0.292	-	-2.8	20	115	0
2-Methylnaphthalene	0.641	0.661	-	-3.1	20	119	0
1-Methylnaphthalene	0.227	0.228	-	-0.4	20	116	0
Hexachlorocyclopentadiene	0.254	0.278	-	-9.4	20	123	0
2,4,6-Trichlorophenol	0.213	0.237	-	-11.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.273	-	-14.2	20	123	0
2-Fluorobiphenyl	0.821	0.835	-	-1.7	20	117	0
2-Chloronaphthalene	0.727	0.738	-	-1.5	20	116	0
2-Nitroaniline	0.206	0.234	-	-13.6	20	119	0
1,4-Dinitrobenzene	0.097	0.107	-	-10.3	20	120	0
1,3-Dinitrobenzene	0.112	0.125	-	-11.6	20	119	0
Dimethyl phthalate	0.857	0.884	-	-3.2	20	116	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.213	-	-3.7	20	114	0
2,6-Dinitrotoluene	0.167	0.185	-	-10.8	20	120	0
1,2-Dinitrobenzene	0.073	0.081	-	-11	20	117	0
IS1_Acenaphthene-d10	1	1	-	0	20	121	0
3-Nitroaniline	0.342	0.341	-	0.3	20	114	0
Acenaphthene	1.136	1.069	-	5.9	20	116	0
2,4-Dinitrophenol	0.166	0.15	-	9.6	20	115	0
Dibenzofuran	1.844	1.734	-	6	20	116	0
2,4-Dinitrotoluene	0.385	0.411	-	-6.8	20	117	0
4-Nitrophenol	0.238	0.256	-	-7.6	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.362	-	-6.5	20	120	0
2,3,4,6-Tetrachlorophenol	0.33	0.35	-	-6.1	20	116	0
Diethyl phthalate	1.516	1.437	-	5.2	20	114	0
Fluorene	1.447	1.338	-	7.5	20	114	0
4-Chlorophenyl phenyl ethe	0.688	0.66	-	4.1	20	117	0
4-Nitroaniline	0.337	0.34	-	-0.9	20	113	0
4,6-Dinitro-o-cresol	0.214	0.234	-	-9.3	20	130	0
NDPA/DPA	1.209	1.152	-	4.7	20	113	0
Azobenzene	1.272	1.181	-	7.2	20	109	0
2,4,6-Tribromophenol	0.194	0.212	-	-9.3	20	129	0
4-Bromophenyl phenyl ether	0.424	0.4	-	5.7	20	118	0
Hexachlorobenzene	0.475	0.454	-	4.4	20	120	0
Pentachlorophenol	0.28	0.249	-	11.1	20	110	0
IS1_Phenanthrene-d10	1	1	-	0	20	124	0
Phenanthrene	1.202	1.074	-	10.6	20	114	0
Anthracene	1.178	1.096	-	7	20	115	0
Carbazole	1.081	1.014	-	6.2	20	112	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	117	0
Fluoranthene	1.296	1.221	-	5.8	20	116	0
Benzidine	0.831	0.817	-	1.7	20	121	0
Pyrene	1.383	1.316	-	4.8	20	117	0
4-Terphenyl-d14	0.982	0.938	-	4.5	20	121	0
Butyl benzyl phthalate	0.529	0.561	-	-6	20	123	0
IS1_Chrysene-d12	1	1	-	0	20	125	0
Benzo(a)anthracene	1.349	1.25	-	7.3	20	119	0
3,3'-Dichlorobenzidine	0.464	0.508	-	-9.5	20	129	0
Chrysene	1.336	1.2	-	10.2	20	117	0
Bis(2-ethylhexyl)phthalate	0.846	0.865	-	-2.2	20	120	0
Di-n-octylphthalate	1.419	1.473	-	-3.8	20	127	0
Benzo(b)fluoranthene	1.278	1.279	-	-0.1	20	129	0
Benzo(k)fluoranthene	1.303	1.202	-	7.8	20	113	0
Benzo(a)pyrene	1.197	1.189	-	0.7	20	121	0
IS1_Perylene-d12	1	1	-	0	20	130	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.09	-	4.5	20	123	0
Dibenzo(a,h)anthracene	1.181	1.14	-	3.5	20	124	0
Benzo(ghi)perylene	1.164	1.093	-	6.1	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90918
 Sample No : WG2116472-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 08:07
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	119	0
Benzaldehyde	0.645	0.577	-	10.5	20	109	0
Acetophenone	1.905	1.506	-	20.9*	20	96	0
m-Toluidine	1.123	1.023	-	8.9	20	101	0
2-Chloroaniline	1.724	1.445	-	16.2	20	98	0
IS2_Naphthalene-d8	1	1	-	0	20	120	0
a-Terpineol	0.267	0.21	-	21.3*	20	94	0
3-Chloroaniline	0.114	0.098	-	14	20	95	0
2,6-Dichlorophenol	0.285	0.252	-	11.6	20	104	0
1-chloro-2-nitrobenzene	0.135	0.121	-	10.4	20	106	0
Caprolactam	0.142	0.115	-	19	20	93	0
1,2,4,5-Tetrachlorobenzene	0.373	0.315	-	15.5	20	104	0
Biphenyl	0.931	0.74	-	20.5*	20	98	0
IS2_Acenaphthene-d10	1	1	-	0	20	121	0
Dichloran	0.158	0.147	-	7	20	111	0
Pentachloronitrobenzene	0.154	0.147	-	4.5	20	109	0
IS2_Phenanthrene-d10	1	1	-	0	20	122	0
Diphenamid	0.487	0.42	-	13.8	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ADP0918
 Sample No : WG2116472-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 08:29
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	126	0
1,4-Dioxane	0.477	0.416	-	12.8	20	116	0
n-Decane	1.449	1.28	-	11.7	20	113	0
IS3_Acenaphthene-d10	1	1	-	0	20	128	0
Atrazine	0.372	0.384	-	-3.2	20	131	0
IS3_Phenanthrene-d10	1	1	-	0	20	130	0
n-Octadecane	0.48	0.426	-	11.2	20	113	0
Parathion	5	4.37	-	12.6	20	132	0
3,3'-Dimethylbenzidine	5	3.904	-	21.9*	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
n-Nitrosodimethylamine	0.792	0.687	-	13.3	20	83	0
Pyridine	1.349	0.723	-	46.4*	20	55	0
2-Fluorophenol	1.105	1.046	-	5.3	20	89	0
Aniline	5	3.882	-	22.4*	20	83	0
2-Chlorophenol	1.287	1.18	-	8.3	20	85	0
Phenol-d6	1.428	1.281	-	10.3	20	83	0
Phenol	1.581	1.444	-	8.7	20	87	0
Bis(2-chloroethyl)ether	1.319	1.125	-	14.7	20	84	0
1,3-Dichlorobenzene	1.573	1.402	-	10.9	20	88	0
1,4-Dichlorobenzene	1.611	1.427	-	11.4	20	87	0
1,2-Dichlorobenzene	1.557	1.381	-	11.3	20	87	0
Benzyl alcohol	1.122	0.955	-	14.9	20	82	0
Bis(2-chloroisopropyl)ethe	2.148	1.727	-	19.6	20	78	0
2-Methylphenol	1.155	1.052	-	8.9	20	85	0
Hexachloroethane	0.596	0.511	-	14.3	20	84	0
n-Nitrosodi-n-propylamine	1.032	0.807	-	21.8*	20	75	0
3-Methylphenol/4-Methylphe	1.27	1.141	-	10.2	20	86	0
Nitrobenzene-d5	1.354	1.239	-	8.5	20	86	0
Nitrobenzene	1.405	1.24	-	11.7	20	84	0
Isophorone	2.849	2.221	-	22*	20	73	0
2-Nitrophenol	5	4.382	-	12.4	20	100	0
2,4-Dimethylphenol	1.51	1.236	-	18.1	20	80	0
Bis(2-chloroethoxy)methane	1.807	1.522	-	15.8	20	80	0
2,4-Dichlorophenol	1.335	1.192	-	10.7	20	86	0
1,2,4-Trichlorobenzene	1.539	1.35	-	12.3	20	87	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.063	0.98	-	7.8	20	85	0
Benzoic Acid	5	3.085	-	38.3*	20	48	0
4-Chloroaniline	0.144	0.127	-	11.8	20	79	0
Hexachlorobutadiene	0.253	0.232	-	8.3	20	85	0
p-Chloro-m-cresol	0.329	0.283	-	14	20	76	0
2-Methylnaphthalene	0.674	0.628	-	6.8	20	85	0
1-Methylnaphthalene	0.269	0.228	-	15.2	20	79	0
Hexachlorocyclopentadiene	5	4.52	-	9.6	20	90	0
2,4,6-Trichlorophenol	5	4.244	-	15.1	20	86	0
2,4,5-Trichlorophenol	5	4.237	-	15.3	20	80	0
2-Fluorobiphenyl	0.927	0.839	-	9.5	20	80	0
2-Chloronaphthalene	0.786	0.715	-	9	20	82	0
2-Nitroaniline	5	4.043	-	19.1	20	85	0
1,4-Dinitrobenzene	0.128	0.106	-	17.2	20	85	0
1,3-Dinitrobenzene	0.145	0.125	-	13.8	20	89	0
Dimethyl phthalate	0.996	0.9	-	9.6	20	78	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.282	1.189	-	7.3	20	79	0
2,6-Dinitrotoluene	5	4.107	-	17.9	20	82	0
1,2-Dinitrobenzene	0.094	0.084	-	10.6	20	90	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	5	4.254	-	14.9	20	80	0
Acenaphthene	1.102	1.024	-	7.1	20	81	0
2,4-Dinitrophenol	5	3.852	-	23*	20	72	0
Dibenzofuran	1.833	1.733	-	5.5	20	80	0
2,4-Dinitrotoluene	5	4.624	-	7.5	20	88	0
4-Nitrophenol	5	4.252	-	15	20	76	0
2,3,5,6-Tetrachlorophenol	5	4.361	-	12.8	20	82	0
2,3,4,6-Tetrachlorophenol	5	4.288	-	14.2	20	78	0
Diethyl phthalate	1.565	1.414	-	9.6	20	75	0
Fluorene	1.489	1.373	-	7.8	20	78	0
4-Chlorophenyl phenyl ethe	0.783	0.711	-	9.2	20	80	0
4-Nitroaniline	5	4.242	-	15.2	20	78	0
4,6-Dinitro-o-cresol	5	4.413	-	11.7	20	85	0
NDPA/DPA	1.246	1.19	-	4.5	20	80	0
Azobenzene	1.371	1.235	-	9.9	20	72	0
2,4,6-Tribromophenol	0.254	0.244	-	3.9	20	83	0
4-Bromophenyl phenyl ether	0.512	0.46	-	10.2	20	77	0
Hexachlorobenzene	0.607	0.541	-	10.9	20	79	0
Pentachlorophenol	5	4.673	-	6.5	20	91	0
IS1_Phenanthrene-d10	1	1	-	0	20	92	0
Phenanthrene	1.099	1.039	-	5.5	20	80	0
Anthracene	1.091	1.061	-	2.7	20	80	0
Carbazole	0.993	0.963	-	3	20	78	0
Di-n-butylphthalate	1.164	1.109	-	4.7	20	75	0
Fluoranthene	1.329	1.263	-	5	20	77	0
Benzidine	5	4.422	-	11.6	20	77	0
Pyrene	1.367	1.336	-	2.3	20	78	0
4-Terphenyl-d14	1.068	1.018	-	4.7	20	79	0
Butyl benzyl phthalate	5	4.323	-	13.5	20	80	0
IS1_Chrysene-d12	1	1	-	0	20	93	0
Benzo(a)anthracene	1.308	1.21	-	7.5	20	79	0
3,3'-Dichlorobenzidine	0.473	0.447	-	5.5	20	75	0
Chrysene	1.216	1.17	-	3.8	20	80	0
Bis(2-ethylhexyl)phthalate	5	4.21	-	15.8	20	76	0
Di-n-octylphthalate	5	3.913	-	21.7*	20	76	0
Benzo(b)fluoranthene	1.283	1.311	-	-2.2	20	88	0
Benzo(k)fluoranthene	1.251	1.105	-	11.7	20	70	0
Benzo(a)pyrene	1.188	1.116	-	6.1	20	77	0
IS1_Perylene-d12	1	1	-	0	20	93	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV112
Lab File ID : ABN0928
Sample No : WG2120745-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 17:46
Init. Calib. Date(s) : 08/17/25 08/18/25
Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.105	1.13	-	-2.3	20	84	0
Dibenzo(a,h)anthracene	1.064	1.082	-	-1.7	20	82	0
Benzo(ghi)perylene	1.105	1.085	-	1.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : AP90928
 Sample No : WG2120745-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:09
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
Benzaldehyde	0.597	0.984	-	-64.8*	20	163	0
Acetophenone	1.98	1.731	-	12.6	20	86	0
m-Toluidine	1.191	1.473	-	-23.7*	20	115	0
2-Chloroaniline	1.688	1.55	-	8.2	20	88	0
IS2_Naphthalene-d8	1	1	-	0	20	89	0
a-Terpineol	0.298	0.305	-	-2.3	20	94	0
3-Chloroaniline	0.138	0.151	-	-9.4	20	99	0
2,6-Dichlorophenol	0.282	0.319	-	-13.1	20	99	0
1-chloro-2-nitrobenzene	0.137	0.141	-	-2.9	20	93	0
Caprolactam	0.177	0.153	-	13.6	20	79	0
1,2,4,5-Tetrachlorobenzene	0.443	0.425	-	4.1	20	89	0
Biphenyl	0.978	0.915	-	6.4	20	87	0
IS2_Acenaphthene-d10	1	1	-	0	20	86	0
Dichloran	0.179	0.192	-	-7.3	20	99	0
Pentachloronitrobenzene	0.205	0.208	-	-1.5	20	92	0
IS2_Phenanthrene-d10	1	1	-	0	20	86	0
Diphenamid	0.494	0.478	-	3.2	20	85	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ADP0928
 Sample No : WG2120745-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:31
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	105	0
1,4-Dioxane	0.546	0.465	-	14.8	20	97	0
n-Decane	1.602	1.494	-	6.7	20	99	0
IS3_Acenaphthene-d10	1	1	-	0	20	88	0
Atrazine	0.463	0.429	-	7.3	20	80	0
IS3_Phenanthrene-d10	1	1	-	0	20	84	0
n-Octadecane	0.496	0.435	-	12.3	20	74	0
Parathion	0.106	0.091	-	14.2	20	77	0
3,3'-Dimethylbenzidine	0.737	0.592	-	19.7	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	128	0
n-Nitrosodimethylamine	0.594	0.512	-	13.8	20	111	0
Pyridine	5	3.261	-	34.8*	20	97	0
2-Fluorophenol	0.881	0.827	-	6.1	20	118	0
Aniline	1.484	1.336	-	10	20	112	0
2-Chlorophenol	1.075	1.088	-	-1.2	20	129	0
Phenol-d6	1.175	1.084	-	7.7	20	122	0
Phenol	1.351	1.181	-	12.6	20	112	0
Bis(2-chloroethyl)ether	0.968	0.811	-	16.2	20	111	0
1,3-Dichlorobenzene	1.515	1.373	-	9.4	20	120	0
1,4-Dichlorobenzene	1.532	1.408	-	8.1	20	120	0
1,2-Dichlorobenzene	1.467	1.396	-	4.8	20	123	0
Benzyl alcohol	0.829	0.838	-	-1.1	20	130	0
Bis(2-chloroisopropyl)ethe	1.724	1.05	-	39.1*	20	81	0
2-Methylphenol	0.915	0.908	-	0.8	20	125	0
Hexachloroethane	0.539	0.502	-	6.9	20	124	0
n-Nitrosodi-n-propylamine	0.797	0.735	-	7.8	20	120	0
3-Methylphenol/4-Methylphe	1.028	1.003	-	2.4	20	129	0
Nitrobenzene-d5	1.117	1.094	-	2.1	20	125	0
Nitrobenzene	1.128	1.053	-	6.6	20	116	0
Isophorone	2.059	1.916	-	6.9	20	117	0
2-Nitrophenol	0.53	0.633	-	-19.4	20	160	0
2,4-Dimethylphenol	1.061	1.136	-	-7.1	20	133	0
Bis(2-chloroethoxy)methane	1.369	1.153	-	15.8	20	110	0
2,4-Dichlorophenol	1.189	1.272	-	-7	20	141	0
1,2,4-Trichlorobenzene	1.494	1.504	-	-0.7	20	130	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	0.993	0.934	-	5.9	20	125	0
Benzoic Acid	5	5.504	-	-10.1	20	170	0
4-Chloroaniline	0.127	0.103	-	18.9	20	113	0
Hexachlorobutadiene	0.27	0.246	-	8.9	20	122	0
p-Chloro-m-cresol	0.263	0.267	-	-1.5	20	133	0
2-Methylnaphthalene	0.656	0.659	-	-0.5	20	132	0
1-Methylnaphthalene	0.245	0.24	-	2	20	135	0
Hexachlorocyclopentadiene	0.306	0.327	-	-6.9	20	135	0
2,4,6-Trichlorophenol	0.28	0.302	-	-7.9	20	140	0
2,4,5-Trichlorophenol	0.31	0.333	-	-7.4	20	136	0
2-Fluorobiphenyl	0.987	0.943	-	4.5	20	126	0
2-Chloronaphthalene	0.81	0.817	-	-0.9	20	132	0
2-Nitroaniline	0.204	0.226	-	-10.8	20	146	0
1,4-Dinitrobenzene	0.103	0.119	-	-15.5	20	151	0
1,3-Dinitrobenzene	0.117	0.135	-	-15.4	20	145	0
Dimethyl phthalate	1.014	1.016	-	-0.2	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.291	-	-2	20	129	0
2,6-Dinitrotoluene	0.199	0.21	-	-5.5	20	138	0
1,2-Dinitrobenzene	0.074	0.082	-	-10.8	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	128	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	142	0
Acenaphthene	1.035	0.964	-	6.9	20	128	0
2,4-Dinitrophenol	0.158	0.172	-	-8.9	20	149	0
Dibenzofuran	1.815	1.71	-	5.8	20	128	0
2,4-Dinitrotoluene	0.369	0.418	-	-13.3	20	143	0
4-Nitrophenol	0.204	0.244	-	-19.6	20	154	0
2,3,5,6-Tetrachlorophenol	0.37	0.41	-	-10.8	20	142	0
2,3,4,6-Tetrachlorophenol	0.387	0.406	-	-4.9	20	138	0
Diethyl phthalate	1.394	1.394	-	0	20	130	0
Fluorene	1.408	1.398	-	0.7	20	134	0
4-Chlorophenyl phenyl ethe	0.76	0.71	-	6.6	20	124	0
4-Nitroaniline	0.27	0.307	-	-13.7	20	147	0
4,6-Dinitro-o-cresol	0.236	0.27	-	-14.4	20	152	0
NDPA/DPA	1.224	1.207	-	1.4	20	131	0
Azobenzene	1.155	1.03	-	10.8	20	115	0
2,4,6-Tribromophenol	0.229	0.302	-	-31.9*	20	181	0
4-Bromophenyl phenyl ether	0.488	0.457	-	6.4	20	132	0
Hexachlorobenzene	0.564	0.586	-	-3.9	20	142	0
Pentachlorophenol	0.306	0.362	-	-18.3	20	158	0
IS1_Phenanthrene-d10	1	1	-	0	20	132	0
Phenanthrene	1.097	1.005	-	8.4	20	130	0
Anthracene	1.058	1.031	-	2.6	20	133	0
Carbazole	0.981	0.962	-	1.9	20	134	0
Di-n-butylphthalate	1.04	1.072	-	-3.1	20	133	0
Fluoranthene	1.319	1.266	-	4	20	130	0
Benzidine	0.744	0.76	-	-2.2	20	136	0
Pyrene	1.411	1.344	-	4.7	20	128	0
4-Terphenyl-d14	1.035	1.012	-	2.2	20	131	0
Butyl benzyl phthalate	0.461	0.502	-	-8.9	20	149	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.184	-	2.6	20	130	0
3,3'-Dichlorobenzidine	0.438	0.477	-	-8.9	20	136	0
Chrysene	1.234	1.156	-	6.3	20	129	0
Bis(2-ethylhexyl)phthalate	0.579	0.683	-	-18	20	137	0
Di-n-octylphthalate	1.024	1.168	-	-14.1	20	142	0
Benzo(b)fluoranthene	1.227	1.318	-	-7.4	20	143	0
Benzo(k)fluoranthene	1.227	1.282	-	-4.5	20	135	0
Benzo(a)pyrene	1.119	1.198	-	-7.1	20	136	0
IS1_Perylene-d12	1	1	-	0	20	140	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : DAKOTA
Lab File ID : ABN0928A
Sample No : WG2120752-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 18:33
Init. Calib. Date(s) : 08/20/25 08/20/25
Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.105	-	1.5	20	141	0
Dibenzo(a,h)anthracene	1.132	1.115	-	1.5	20	141	0
Benzo(ghi)perylene	1.145	1.159	-	-1.2	20	147	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90928A
 Sample No : WG2120752-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:55
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	136	0
Benzaldehyde	0.534	0.818	-	-53.2*	20	227	0
Acetophenone	1.663	1.562	-	6.1	20	140	0
m-Toluidine	0.957	1.326	-	-38.6*	20	188	0
2-Chloroaniline	1.447	1.49	-	-3	20	144	0
IS2_Naphthalene-d8	1	1	-	0	20	145	0
a-Terpineol	0.245	0.203	-	17.1	20	128	0
3-Chloroaniline	0.122	0.119	-	2.5	20	149	0
2,6-Dichlorophenol	0.33	0.359	-	-8.8	20	165	0
1-chloro-2-nitrobenzene	0.135	0.134	-	0.7	20	151	0
Caprolactam	0.128	0.102	-	20.3*	20	123	0
1,2,4,5-Tetrachlorobenzene	0.495	0.46	-	7.1	20	145	0
Biphenyl	1.02	0.971	-	4.8	20	148	0
IS2_Acenaphthene-d10	1	1	-	0	20	143	0
Dichloran	0.199	0.2	-	-0.5	20	163	0
Pentachloronitrobenzene	0.197	0.211	-	-7.1	20	164	0
IS2_Phenanthrene-d10	1	1	-	0	20	143	0
Diphenamid	0.486	0.5	-	-2.9	20	161	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
n-Nitrosodimethylamine	0.659	0.692	-	-5	20	89	0
Pyridine	1.237	0.667	-	46.1*	20	49	0
2-Fluorophenol	1.032	1.038	-	-0.6	20	89	0
Aniline	1.692	1.612	-	4.7	20	83	0
2-Chlorophenol	1.228	1.177	-	4.2	20	86	0
Phenol-d6	1.268	1.241	-	2.1	20	85	0
Phenol	1.412	1.424	-	-0.8	20	91	0
Bis(2-chloroethyl)ether	1.193	1.114	-	6.6	20	88	0
1,3-Dichlorobenzene	1.558	1.413	-	9.3	20	85	0
1,4-Dichlorobenzene	1.592	1.461	-	8.2	20	86	0
1,2-Dichlorobenzene	1.528	1.395	-	8.7	20	86	0
Benzyl alcohol	0.928	0.891	-	4	20	86	0
Bis(2-chloroisopropyl)ethe	1.867	1.818	-	2.6	20	91	0
2-Methylphenol	1.04	1.031	-	0.9	20	89	0
Hexachloroethane	0.584	0.514	-	12	20	82	0
n-Nitrosodi-n-propylamine	0.823	0.783	-	4.9	20	85	0
3-Methylphenol/4-Methylphe	1.102	1.115	-	-1.2	20	89	0
Nitrobenzene-d5	1.172	1.194	-	-1.9	20	92	0
Nitrobenzene	1.19	1.207	-	-1.4	20	93	0
Isophorone	2.158	2.11	-	2.2	20	88	0
2-Nitrophenol	0.494	0.593	-	-20	20	106	0
2,4-Dimethylphenol	1.154	1.198	-	-3.8	20	92	0
Bis(2-chloroethoxy)methane	1.45	1.415	-	2.4	20	90	0
2,4-Dichlorophenol	1.111	1.097	-	1.3	20	86	0
1,2,4-Trichlorobenzene	1.448	1.246	-	14	20	82	0
IS1_Naphthalene-d8	1	1	-	0	20	93	0
Naphthalene	1.054	0.971	-	7.9	20	87	0
Benzoic Acid	5	4.41	-	11.8	20	83	0
4-Chloroaniline	0.12	0.122	-	-1.7	20	92	0
Hexachlorobutadiene	0.231	0.195	-	15.6	20	82	0
p-Chloro-m-cresol	0.256	0.269	-	-5.1	20	93	0
2-Methylnaphthalene	0.632	0.606	-	4.1	20	89	0
1-Methylnaphthalene	0.24	0.208	-	13.3	20	81	0
Hexachlorocyclopentadiene	0.244	0.244	-	0	20	93	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	90	0
2,4,5-Trichlorophenol	0.23	0.247	-	-7.4	20	94	0
2-Fluorobiphenyl	0.872	0.779	-	10.7	20	85	0
2-Chloronaphthalene	0.734	0.659	-	10.2	20	85	0
2-Nitroaniline	0.159	0.181	-	-13.8	20	101	0
1,4-Dinitrobenzene	0.077	0.095	-	-23.4*	20	111	0
1,3-Dinitrobenzene	0.093	0.11	-	-18.3	20	105	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	90	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.063	-	3.4	20	88	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	101	0
1,2-Dinitrobenzene	0.06	0.074	-	-23.3*	20	108	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	0.246	0.287	-	-16.7	20	99	0
Acenaphthene	1.144	1.049	-	8.3	20	89	0
2,4-Dinitrophenol	5	5.319	-	-6.4	20	114	0
Dibenzofuran	1.834	1.671	-	8.9	20	87	0
2,4-Dinitrotoluene	5	5.298	-	-6	20	104	0
4-Nitrophenol	0.185	0.218	-	-17.8	20	103	0
2,3,5,6-Tetrachlorophenol	0.304	0.33	-	-8.6	20	95	0
2,3,4,6-Tetrachlorophenol	0.3	0.318	-	-6	20	92	0
Diethyl phthalate	1.28	1.252	-	2.2	20	91	0
Fluorene	1.409	1.324	-	6	20	88	0
4-Chlorophenyl phenyl ethe	0.719	0.649	-	9.7	20	87	0
4-Nitroaniline	0.246	0.257	-	-4.5	20	96	0
4,6-Dinitro-o-cresol	5	5.867	-	-17.3	20	123	0
NDPA/DPA	1.112	1.095	-	1.5	20	90	0
Azobenzene	1.133	1.15	-	-1.5	20	93	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	87	0
4-Bromophenyl phenyl ether	0.383	0.331	-	13.6	20	82	0
Hexachlorobenzene	0.399	0.347	-	13	20	85	0
Pentachlorophenol	0.216	0.201	-	6.9	20	86	0
IS1_Phenanthrene-d10	1	1	-	0	20	94	0
Phenanthrene	1.146	1.063	-	7.2	20	89	0
Anthracene	1.122	1.075	-	4.2	20	90	0
Carbazole	0.975	0.935	-	4.1	20	86	0
Di-n-butylphthalate	1.07	1.101	-	-2.9	20	91	0
Fluoranthene	1.217	1.154	-	5.2	20	86	0
Benzidine	5	4.315	-	13.7	20	82	0
Pyrene	1.292	1.202	-	7	20	84	0
4-Terphenyl-d14	0.865	0.775	-	10.4	20	83	0
Butyl benzyl phthalate	5	4.552	-	9	20	97	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.304	-	4.6	20	83	0
3,3'-Dichlorobenzidine	0.436	0.407	-	6.7	20	79	0
Chrysene	1.352	1.286	-	4.9	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.82	-	3.6	20	90	0
Di-n-octylphthalate	5	4.589	-	8.2	20	89	0
Benzo(b)fluoranthene	1.185	1.073	-	9.5	20	80	0
Benzo(k)fluoranthene	1.199	1.063	-	11.3	20	75	0
Benzo(a)pyrene	1.101	0.971	-	11.8	20	77	0
IS1_Perylene-d12	1	1	-	0	20	87	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0928
Sample No : WG2120753-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 19:00
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.109	-	0.2	20	82	0
Dibenzo(a,h)anthracene	1.154	1.132	-	1.9	20	81	0
Benzo(ghi)perylene	1.15	1.146	-	0.3	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ADP0928
 Sample No : WG2120752-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:18
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	118	0
1,4-Dioxane	0.411	0.366	-	10.9	20	108	0
n-Decane	1.27	0.872	-	31.3*	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	131	0
Atrazine	0.486	0.432	-	11.1	20	122	0
IS3_Phenanthrene-d10	1	1	-	0	20	135	0
n-Octadecane	0.368	0.238	-	35.3*	20	93	0
Parathion	5	5.216	-	-4.3	20	140	0
3,3'-Dimethylbenzidine	5	3.238	-	35.2*	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90928
 Sample No : WG2120753-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:25
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
Benzaldehyde	0.605	0.929	-	-53.6*	20	162	0
Acetophenone	1.796	1.649	-	8.2	20	97	0
m-Toluidine	1.129	1.422	-	-26*	20	133	0
2-Chloroaniline	1.545	1.525	-	1.3	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	104	0
a-Terpineol	0.25	0.305	-	-22*	20	124	0
3-Chloroaniline	0.117	0.137	-	-17.1	20	112	0
2,6-Dichlorophenol	0.264	0.291	-	-10.2	20	107	0
1-chloro-2-nitrobenzene	0.124	0.133	-	-7.3	20	112	0
Caprolactam	0.125	0.146	-	-16.8	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.364	-	12.3	20	95	0
Biphenyl	0.948	0.859	-	9.4	20	97	0
IS2_Acenaphthene-d10	1	1	-	0	20	102	0
Dichloran	0.145	0.14	-	3.4	20	113	0
Pentachloronitrobenzene	0.133	0.139	-	-4.5	20	103	0
IS2_Phenanthrene-d10	1	1	-	0	20	100	0
Diphenamid	0.435	0.43	-	1.1	20	93	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0928
 Sample No : WG2120753-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:50
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	86	0
1,4-Dioxane	0.545	0.494	-	9.4	20	85	0
n-Decane	1.567	1.729	-	-10.3	20	100	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.33	0.354	-	-7.3	20	90	0
IS3_Phenanthrene-d10	1	1	-	0	20	85	0
n-Octadecane	0.441	0.539	-	-22.2*	20	101	0
Parathion	5	5.725	-	-14.5	20	112	0
3,3'-Dimethylbenzidine	5	3.591	-	28.2*	20	64	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	82	0
n-Nitrosodimethylamine	0.659	0.72	-	-9.3	20	82	0
Pyridine	1.237	0.748	-	39.5*	20	49	0
2-Fluorophenol	1.032	1.043	-	-1.1	20	79	0
Aniline	1.692	1.68	-	0.7	20	76	0
2-Chlorophenol	1.228	1.208	-	1.6	20	78	0
Phenol-d6	1.268	1.312	-	-3.5	20	80	0
Phenol	1.412	1.48	-	-4.8	20	84	0
Bis(2-chloroethyl)ether	1.193	1.133	-	5	20	79	0
1,3-Dichlorobenzene	1.558	1.449	-	7	20	77	0
1,4-Dichlorobenzene	1.592	1.479	-	7.1	20	77	0
1,2-Dichlorobenzene	1.528	1.403	-	8.2	20	77	0
Benzyl alcohol	0.928	0.959	-	-3.3	20	81	0
Bis(2-chloroisopropyl)ethe	1.867	1.944	-	-4.1	20	86	0
2-Methylphenol	1.04	1.088	-	-4.6	20	83	0
Hexachloroethane	0.584	0.534	-	8.6	20	75	0
n-Nitrosodi-n-propylamine	0.823	0.818	-	0.6	20	79	0
3-Methylphenol/4-Methylphe	1.102	1.137	-	-3.2	20	80	0
Nitrobenzene-d5	1.172	1.245	-	-6.2	20	85	0
Nitrobenzene	1.19	1.262	-	-6.1	20	86	0
Isophorone	2.158	2.184	-	-1.2	20	81	0
2-Nitrophenol	0.494	0.614	-	-24.3*	20	97	0
2,4-Dimethylphenol	1.154	1.195	-	-3.6	20	81	0
Bis(2-chloroethoxy)methane	1.45	1.403	-	3.2	20	79	0
2,4-Dichlorophenol	1.111	1.1	-	1	20	76	0
1,2,4-Trichlorobenzene	1.448	1.271	-	12.2	20	74	0
IS1_Naphthalene-d8	1	1	-	0	20	84	0
Naphthalene	1.054	0.973	-	7.7	20	79	0
Benzoic Acid	5	4.088	-	18.2	20	67	0
4-Chloroaniline	0.12	0.126	-	-5	20	85	0
Hexachlorobutadiene	0.231	0.199	-	13.9	20	75	0
p-Chloro-m-cresol	0.256	0.274	-	-7	20	85	0
2-Methylnaphthalene	0.632	0.592	-	6.3	20	78	0
1-Methylnaphthalene	0.24	0.207	-	13.8	20	72	0
Hexachlorocyclopentadiene	0.244	0.233	-	4.5	20	80	0
2,4,6-Trichlorophenol	0.214	0.228	-	-6.5	20	80	0
2,4,5-Trichlorophenol	0.23	0.25	-	-8.7	20	85	0
2-Fluorobiphenyl	0.872	0.766	-	12.2	20	75	0
2-Chloronaphthalene	0.734	0.65	-	11.4	20	75	0
2-Nitroaniline	0.159	0.188	-	-18.2	20	94	0
1,4-Dinitrobenzene	0.077	0.099	-	-28.6*	20	105	0
1,3-Dinitrobenzene	0.093	0.113	-	-21.5*	20	98	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.066	-	3.1	20	79	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	90	0
1,2-Dinitrobenzene	0.06	0.075	-	-25*	20	98	0
IS1_Acenaphthene-d10	1	1	-	0	20	82	0
3-Nitroaniline	0.246	0.299	-	-21.5*	20	90	0
Acenaphthene	1.144	1.066	-	6.8	20	80	0
2,4-Dinitrophenol	5	6.285	-	-25.7*	20	120	0
Dibenzofuran	1.834	1.715	-	6.5	20	79	0
2,4-Dinitrotoluene	5	5.542	-	-10.8	20	96	0
4-Nitrophenol	0.185	0.243	-	-31.4*	20	100	0
2,3,5,6-Tetrachlorophenol	0.304	0.331	-	-8.9	20	83	0
2,3,4,6-Tetrachlorophenol	0.3	0.327	-	-9	20	83	0
Diethyl phthalate	1.28	1.238	-	3.3	20	79	0
Fluorene	1.409	1.331	-	5.5	20	77	0
4-Chlorophenyl phenyl ethe	0.719	0.658	-	8.5	20	78	0
4-Nitroaniline	0.246	0.284	-	-15.4	20	93	0
4,6-Dinitro-o-cresol	5	6.438	-	-28.8*	20	119	0
NDPA/DPA	1.112	1.109	-	0.3	20	79	0
Azobenzene	1.133	1.198	-	-5.7	20	85	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	76	0
4-Bromophenyl phenyl ether	0.383	0.344	-	10.2	20	75	0
Hexachlorobenzene	0.399	0.351	-	12	20	75	0
Pentachlorophenol	0.216	0.216	-	0	20	81	0
IS1_Phenanthrene-d10	1	1	-	0	20	85	0
Phenanthrene	1.146	1.092	-	4.7	20	83	0
Anthracene	1.122	1.095	-	2.4	20	83	0
Carbazole	0.975	0.959	-	1.6	20	80	0
Di-n-butylphthalate	1.07	1.054	-	1.5	20	79	0
Fluoranthene	1.217	1.186	-	2.5	20	80	0
Benzidine	5	4.494	-	10.1	20	77	0
Pyrene	1.292	1.273	-	1.5	20	80	0
4-Terphenyl-d14	0.865	0.791	-	8.6	20	76	0
Butyl benzyl phthalate	5	4.681	-	6.4	20	90	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.313	-	4	20	84	0
3,3'-Dichlorobenzidine	0.436	0.415	-	4.8	20	81	0
Chrysene	1.352	1.279	-	5.4	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.277	-	14.5	20	80	0
Di-n-octylphthalate	5	4.489	-	10.2	20	88	0
Benzo(b)fluoranthene	1.185	1.187	-	-0.2	20	89	0
Benzo(k)fluoranthene	1.199	1.195	-	0.3	20	85	0
Benzo(a)pyrene	1.101	1.109	-	-0.7	20	88	0
IS1_Perylene-d12	1	1	-	0	20	98	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0929
Sample No : WG2121049-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/29/25 12:24
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.08	-	2.8	20	90	0
Dibenzo(a,h)anthracene	1.154	1.088	-	5.7	20	87	0
Benzo(ghi)perylene	1.15	1.106	-	3.8	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90929
 Sample No : WG2121049-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:49
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	101	0
Benzaldehyde	0.605	0.952	-	-57.4*	20	158	0
Acetophenone	1.796	1.651	-	8.1	20	93	0
m-Toluidine	1.129	1.421	-	-25.9*	20	127	0
2-Chloroaniline	1.545	1.51	-	2.3	20	97	0
IS2_Naphthalene-d8	1	1	-	0	20	99	0
a-Terpineol	0.25	0.309	-	-23.6*	20	118	0
3-Chloroaniline	0.117	0.145	-	-23.9*	20	112	0
2,6-Dichlorophenol	0.264	0.296	-	-12.1	20	103	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	108	0
Caprolactam	0.125	0.155	-	-24*	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.37	-	10.8	20	91	0
Biphenyl	0.948	0.845	-	10.9	20	90	0
IS2_Acenaphthene-d10	1	1	-	0	20	97	0
Dichloran	0.145	0.146	-	-0.7	20	113	0
Pentachloronitrobenzene	0.133	0.14	-	-5.3	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	94	0
Diphenamid	0.435	0.433	-	0.5	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0929
 Sample No : WG2121049-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 13:14
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	75	0
1,4-Dioxane	0.545	0.522	-	4.2	20	79	0
n-Decane	1.567	1.708	-	-9	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	75	0
Atrazine	0.33	0.353	-	-7	20	79	0
IS3_Phenanthrene-d10	1	1	-	0	20	75	0
n-Octadecane	0.441	0.466	-	-5.7	20	77	0
Parathion	5	5.458	-	-9.2	20	94	0
3,3'-Dimethylbenzidine	5	4.145	-	17.1	20	69	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250917RVT\
 Data File : ABN0917.D
 Acq On : 17 Sep 2025 9:51 am
 Operator : SV106:als
 Sample : WG2116036-3,32,,ABN 11979 mrg0904A
 Misc : WG2116036,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 17 11:03:18 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:03:58 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	123	0.00
2 t	n-Nitrosodimethylamine	0.660	0.638	3.3	117	0.00
3 t	Pyridine	1.131	0.712	37.0#	74	0.00
4 S	2-Fluorophenol	1.106	1.161	-5.0	124	0.00
5 T	Aniline	1.738	1.626	6.4	109	0.00
6 t	2-Chlorophenol	1.332	1.351	-1.4	120	0.00
7 S	Phenol-d6	1.318	1.355	-2.8	123	0.00
8 T	Phenol	1.441	1.371	4.9	115	0.00
9 T	Bis(2-chloroethyl)ether	1.143	1.093	4.4	117	0.00
10 T	1,3-Dichlorobenzene	1.598	1.561	2.3	119	0.00
11 T	1,4-Dichlorobenzene	1.634	1.607	1.7	121	0.00
12 T	1,2-Dichlorobenzene	1.572	1.532	2.5	121	0.00
13 t	Benzyl alcohol	0.964	0.925	4.0	116	0.00
14 T	Bis(2-chloroisopropyl)ether	1.867	1.756	5.9	115	0.00
15 T	2-Methylphenol	1.104	1.097	0.6	119	0.00
16 T	Hexachloroethane	0.602	0.610	-1.3	121	0.00
17 T	n-Nitrosodi-n-propylamine	0.815	0.804	1.3	117	0.00
18 T	3-Methylphenol/4-Methylphen	1.207	1.177	2.5	118	0.00
19 S	Nitrobenzene-d5	1.226	1.242	-1.3	121	0.00
20 T	Nitrobenzene	1.260	1.251	0.7	118	0.00
21 T	Isophorone	2.296	2.198	4.3	114	0.00
22 T	2-Nitrophenol	0.640	0.694	-8.4	128	0.00
23 T	2,4-Dimethylphenol	1.271	1.264	0.6	116	0.00
24 T	Bis(2-chloroethoxy)methane	1.546	1.501	2.9	118	0.00
25 T	2,4-Dichlorophenol	1.170	1.185	-1.3	118	0.00
26 T	1,2,4-Trichlorobenzene	1.374	1.358	1.2	121	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	122	0.00
36 T	Naphthalene	1.082	1.044	3.5	118	0.00
37 T	Benzoic Acid	* 5.000	3.799	24.0#	103	0.00
38 T	4-Chloroaniline	0.117	0.109	6.8	109	0.00
39 T	Hexachlorobutadiene	0.200	0.201	-0.5	122	0.00
40 T	p-Chloro-m-cresol	0.284	0.276	2.8	116	0.00
41 T	2-Methylnaphthalene	0.641	0.634	1.1	122	0.00
42 T	1-Methylnaphthalene	0.227	0.223	1.8	122	0.00
43 T	Hexachlorocyclopentadiene	0.254	0.256	-0.8	121	0.00
44 T	2,4,6-Trichlorophenol	0.213	0.220	-3.3	118	0.00
45 T	2,4,5-Trichlorophenol	0.239	0.251	-5.0	121	0.00
46 S	2-Fluorobiphenyl	0.821	0.804	2.1	121	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250917RVT\
 Data File : ABN0917.D
 Acq On : 17 Sep 2025 9:51 am
 Operator : SV106:als
 Sample : WG2116036-3,32,,ABN 11979 mrg0904A
 Misc : WG2116036,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 17 11:03:18 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:03:58 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.727	0.702	3.4	119	0.00
48 T	2-Nitroaniline	0.206	0.221	-7.3	120	0.00
49 T	1,4-Dinitrobenzene	0.097	0.098	-1.0	118	0.00
50 T	1,3-Dinitrobenzene	0.112	0.114	-1.8	116	0.00
51 T	Dimethyl phthalate	0.857	0.822	4.1	115	0.00
52 T	Acenaphthylene	1.170	1.157	1.1	116	0.00
53 T	2,6-Dinitrotoluene	0.167	0.177	-6.0	123	0.00
54 T	1,2-Dinitrobenzene	0.073	0.074	-1.4	114	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	125	0.00
64 T	3-Nitroaniline	0.342	0.345	-0.9	118	0.00
65 T	Acenaphthene	1.136	1.055	7.1	118	0.00
66 T	2,4-Dinitrophenol	0.166	0.119	28.3#	95	0.00
67 T	Dibenzofuran	1.844	1.721	6.7	119	0.00
68 T	2,4-Dinitrotoluene	0.385	0.399	-3.6	117	0.00
69 T	4-Nitrophenol	0.238	0.248	-4.2	124	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.340	0.342	-0.6	117	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.330	0.342	-3.6	117	0.00
72 T	Diethyl phthalate	1.516	1.384	8.7	113	0.00
73 T	Fluorene	1.447	1.310	9.5	115	0.00
74 T	4-Chlorophenyl phenyl ether	0.688	0.639	7.1	117	0.00
75 T	4-Nitroaniline	0.337	0.338	-0.3	116	0.00
76 T	4,6-Dinitro-o-cresol	0.214	0.199	7.0	114	0.00
77 T	NDPA/DPA	1.209	1.153	4.6	117	0.00
78 T	Azobenzene	1.272	1.187	6.7	113	0.00
79 S	2,4,6-Tribromophenol	0.194	0.204	-5.2	128	0.00
80 T	4-Bromophenyl phenyl ether	0.424	0.399	5.9	121	0.00
81 T	Hexachlorobenzene	0.475	0.451	5.1	123	0.00
82 T	Pentachlorophenol	0.280	0.239	14.6	109	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	126	0.00
89 T	Phenanthrene	1.202	1.076	10.5	116	0.00
90 T	Anthracene	1.178	1.095	7.0	117	0.00
91 T	Carbazole	1.081	1.020	5.6	115	0.00
92 T	Di-n-butylphthalate	1.266	1.261	0.4	119	0.00
93 T	Fluoranthene	1.296	1.224	5.6	118	0.00
94 T	Benzidine	0.831	0.838	-0.8	126	0.00
95 T	Pyrene	1.383	1.319	4.6	119	0.00
96 S	4-Terphenyl-d14	0.982	0.936	4.7	123	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250917RVT\
 Data File : ABN0917.D
 Acq On : 17 Sep 2025 9:51 am
 Operator : SV106:als
 Sample : WG2116036-3,32,,ABN 11979 mrg0904A
 Misc : WG2116036,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 17 11:03:18 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:03:58 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	0.529	0.571	-7.9	128	0.00
104 I	IS1_Chrysene-d12	1.000	1.000	0.0	129	0.00
105 T	Benzo(a)anthracene	1.349	1.235	8.5	121	0.00
106 T	3,3'-Dichlorobenzidine	0.464	0.498	-7.3	130	0.00
107 T	Chrysene	1.336	1.194	10.6	120	0.00
108 T	Bis(2-ethylhexyl)phthalate	0.846	0.886	-4.7	126	0.00
109 T	Di-n-octylphthalate	1.419	1.462	-3.0	130	0.00
110 T	Benzo(b)fluoranthene	1.278	1.219	4.6	126	0.00
111 T	Benzo(k)fluoranthene	1.303	1.236	5.1	119	0.00
112 T	Benzo(a)pyrene	1.197	1.178	1.6	124	0.00
113 I	IS1_Perylene-d12	1.000	1.000	0.0	131	0.00
114 T	Indeno(1,2,3-cd)pyrene	1.141	1.067	6.5	121	0.00
115 T	Dibenzo(a,h)anthracene	1.181	1.118	5.3	122	0.00
116 T	Benzo(ghi)perylene	1.164	1.085	6.8	123	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : ABN0917.D
 Acq On : 17 Sep 2025 9:51 am
 Operator : SV106:als
 Sample : WG2116036-3,32,,ABN 11979 mrg0904A
 Misc : WG2116036,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 17 11:03:18 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:03:58 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.036	152	41772	4.000	ug/ml	0.00
35) IS1_Naphthalene-d8	5.310	136	164763	4.000	ug/ml	0.00
63) IS1_Acenaphthene-d10	7.038	164	100432	4.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	8.474	188	194347	4.000	ug/ml	0.00
104) IS1_Chrysene-d12	11.079	240	201958	4.000	ug/ml	0.00
113) IS1_Perylene-d12	12.512	264	215767	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.681	112	60646	5.251	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	262.55%#	
7) Phenol-d6	3.747	99	70731	5.139	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	256.95%#	
19) Nitrobenzene-d5	4.605	82	64875	5.065	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	506.50%#	
46) 2-Fluorobiphenyl	6.414	172	165527	4.897	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	489.70%#	
79) 2,4,6-Tribromophenol	7.809	330	25598	5.257	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	262.85%#	
96) 4-Terphenyl-d14	10.078	244	227498	4.767	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	476.70%#	
Target Compounds						
					Qvalue	
2) n-Nitrosodimethylamine	1.295	74	33299	4.832	ug/ml#	73
3) Pyridine	1.326	79	37192M1	3.149	ug/ml	
5) Aniline	3.710	93	84922	4.678	ug/ml	95
6) 2-Chlorophenol	3.825	128	70543	5.072	ug/ml#	86
8) Phenol	3.759	94	71596	4.758	ug/ml	98
9) Bis(2-chloroethyl)ether	3.809	93	57096	4.784	ug/ml#	81
10) 1,3-Dichlorobenzene	3.974	146	81512	4.884	ug/ml	96
11) 1,4-Dichlorobenzene	4.051	146	83909	4.917	ug/ml	97
12) 1,2-Dichlorobenzene	4.204	146	79971	4.872	ug/ml	96
13) Benzyl alcohol	4.219	79	48314	4.798	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.372	45	91667	4.702	ug/ml#	54
15) 2-Methylphenol	4.372	108	57274	4.967	ug/ml	98
16) Hexachloroethane	4.539	117	31837	5.066	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.499	70	41969	4.934	ug/ml	95
18) 3-Methylphenol/4-Methy...	4.539	108	61459	4.877	ug/ml	98
20) Nitrobenzene	4.623	77	65340	4.965	ug/ml	95
21) Isophorone	4.881	82	114788	4.788	ug/ml	98
22) 2-Nitrophenol	4.950	139	36259	5.425	ug/ml#	87

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : ABN0917.D
 Acq On : 17 Sep 2025 9:51 am
 Operator : SV106:als
 Sample : WG2116036-3,32,,ABN 11979 mrg0904A
 Misc : WG2116036,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 17 11:03:18 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:03:58 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23)	2,4-Dimethylphenol	5.059	107	66014	4.972	ug/ml	97
24)	Bis(2-chloroethoxy)met...	5.142	93	78398	4.854	ug/ml	97
25)	2,4-Dichlorophenol	5.205	162	61865	5.064	ug/ml	93
26)	1,2,4-Trichlorobenzene	5.273	180	70890	4.940	ug/ml	97
36)	Naphthalene	5.332	128	215079	4.826	ug/ml	99
37)	Benzoic Acid	5.161	105	34240	3.799	ug/ml	91
38)	4-Chloroaniline	5.422	65	22439	4.654	ug/ml#	52
39)	Hexachlorobutadiene	5.497	225	41321	5.006	ug/ml	99
40)	p-Chloro-m-cresol	5.951	107	56816	4.859	ug/ml	93
41)	2-Methylnaphthalene	6.028	142	130676	4.952	ug/ml	96
42)	1-Methylnaphthalene	6.118	115	46019	4.918	ug/ml	92
43)	Hexachlorocyclopentadiene	6.205	237	52718	5.037	ug/ml	99
44)	2,4,6-Trichlorophenol	6.330	196	45390	5.166	ug/ml	98
45)	2,4,5-Trichlorophenol	6.361	196	51761	5.248	ug/ml	99
47)	2-Chloronaphthalene	6.494	162	144625	4.830	ug/ml	96
48)	2-Nitroaniline	6.619	138	45517	5.361	ug/ml#	79
49)	1,4-Dinitrobenzene	6.759	168	20256M3	5.066	ug/ml	
50)	1,3-Dinitrobenzene	6.833	168	23425M3	5.089	ug/ml	
51)	Dimethyl phthalate	6.839	163	169193	4.794	ug/ml#	98
52)	Acenaphthylene	6.892	152	238255	4.943	ug/ml	99
53)	2,6-Dinitrotoluene	6.874	165	36425	5.291	ug/ml#	76
54)	1,2-Dinitrobenzene	6.911	168	15283	5.104	ug/ml#	81
64)	3-Nitroaniline	7.026	138	43268	5.044	ug/ml	85
65)	Acenaphthene	7.066	154	132415	4.643	ug/ml	91
66)	2,4-Dinitrophenol	7.128	184	14999	3.608	ug/ml	91
67)	Dibenzofuran	7.240	168	216034	4.666	ug/ml#	81
68)	2,4-Dinitrotoluene	7.262	165	50111	5.189	ug/ml#	71
69)	4-Nitrophenol	7.247	65	31116	5.204	ug/ml#	1
70)	2,3,5,6-Tetrachlorophenol	7.340	232	42966	5.037	ug/ml	98
71)	2,3,4,6-Tetrachlorophenol	7.383	232	42900	5.178	ug/ml	97
72)	Diethyl phthalate	7.539	149	173791	4.565	ug/ml	99
73)	Fluorene	7.573	166	164513	4.528	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.607	204	80190	4.639	ug/ml	90
75)	4-Nitroaniline	7.613	138	42430	5.015	ug/ml#	79
76)	4,6-Dinitro-o-cresol	7.651	198	24978	4.652	ug/ml#	65
77)	NDPA/DPA	7.725	169	144748	4.767	ug/ml	94
78)	Azobenzene	7.756	77	148962	4.665	ug/ml	95
80)	4-Bromophenyl phenyl e...	8.076	248	50132	4.706	ug/ml#	81
81)	Hexachlorobenzene	8.111	284	56666	4.751	ug/ml#	86
82)	Pentachlorophenol	8.316	266	29997	4.272	ug/ml	99
89)	Phenanthrene	8.496	178	261396	4.475	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : ABN0917.D
 Acq On : 17 Sep 2025 9:51 am
 Operator : SV106:als
 Sample : WG2116036-3,32,,ABN 11979 mrg0904A
 Misc : WG2116036,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 17 11:03:18 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:03:58 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

90)	Anthracene	8.546	178	265956	4.648	ug/ml	99
91)	Carbazole	8.726	167	247886	4.719	ug/ml	99
92)	Di-n-butylphthalate	9.152	149	306416	4.982	ug/ml	98
93)	Fluoranthene	9.652	202	297298	4.721	ug/ml#	93
94)	Benzydine	9.829	184	203468	5.037	ug/ml#	95
95)	Pyrene	9.864	202	320386	4.769	ug/ml	99
97)	Butyl benzyl phthalate	10.606	149	138823	5.401	ug/ml	84
105)	Benzo(a)anthracene	11.070	228	311735	4.577	ug/ml	100
106)	3,3'-Dichlorobenzidine	11.088	252	125752	5.365	ug/ml	97
107)	Chrysene	11.104	228	301355	4.466	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	11.244	149	223646	5.233	ug/ml#	91
109)	Di-n-octylphthalate	11.912	149	369052	5.151	ug/ml#	72
110)	Benzo(b)fluoranthene	12.151	252	307733	4.771	ug/ml#	96
111)	Benzo(k)fluoranthene	12.179	252	312068M3	4.744	ug/ml	
112)	Benzo(a)pyrene	12.456	252	297300M2	4.918	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	13.466	276	287844	4.678	ug/mL	94
115)	Dibenzo(a,h)anthracene	13.494	278	301486	4.732	ug/ml#	94
116)	Benzo(ghi)perylene	13.677	276	292613	4.662	ug/ml#	92

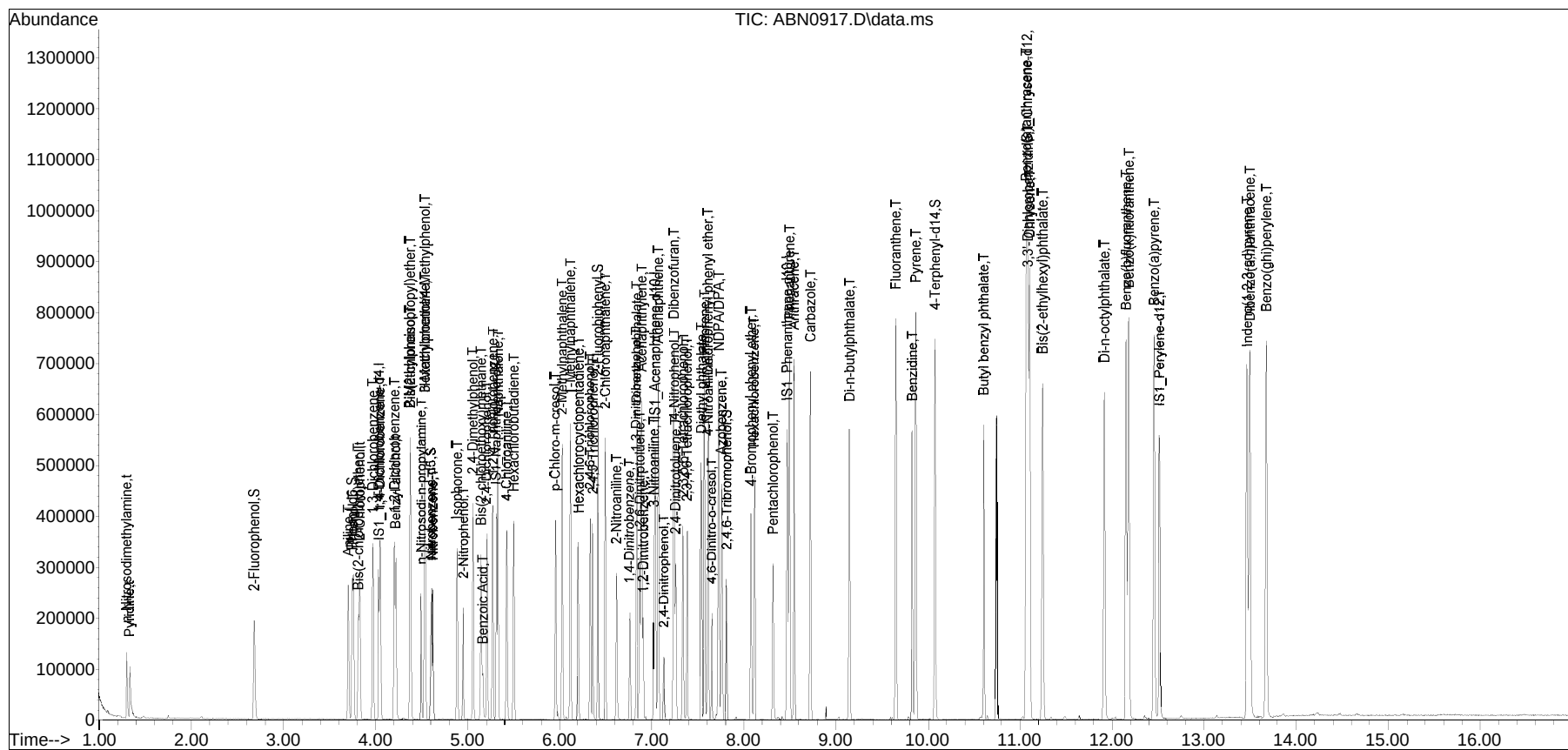
(#) = qualifier out of range (m) = manual integration (+) = signals summed

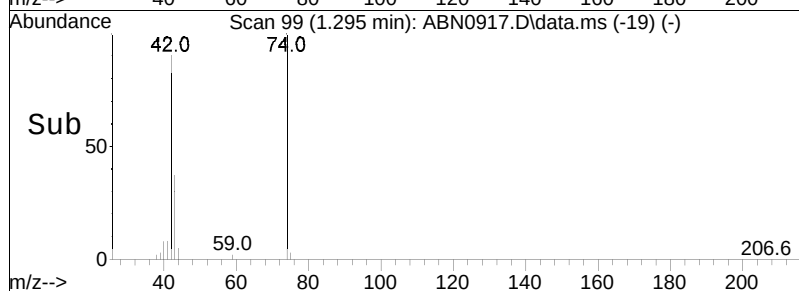
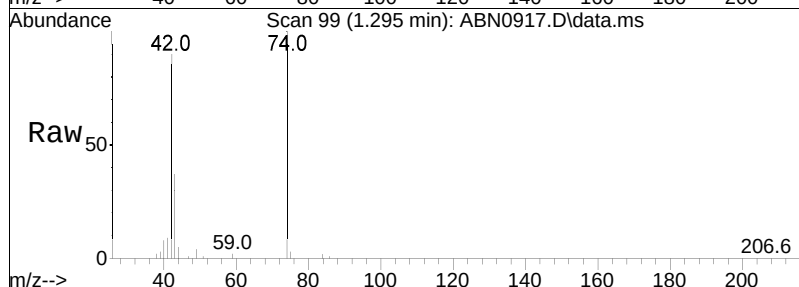
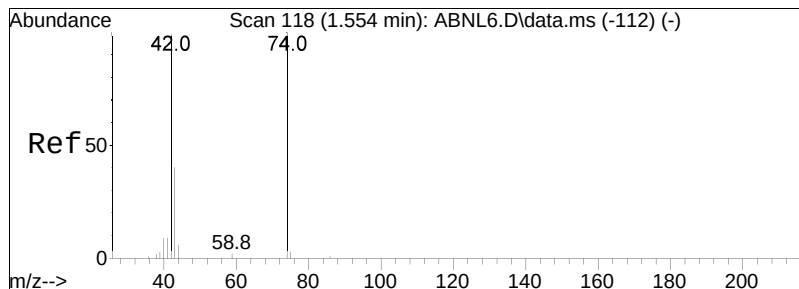
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
Data File : ABN0917.D
Acq On : 17 Sep 2025 9:51 am
Operator : SV106:als
Sample : WG2116036-3,32,,ABN 11979 mrg0904A
Misc : WG2116036,,ical22591
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 17 11:03:18 2025
Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Sep 17 11:03:58 2025
Response via : Initial Calibration

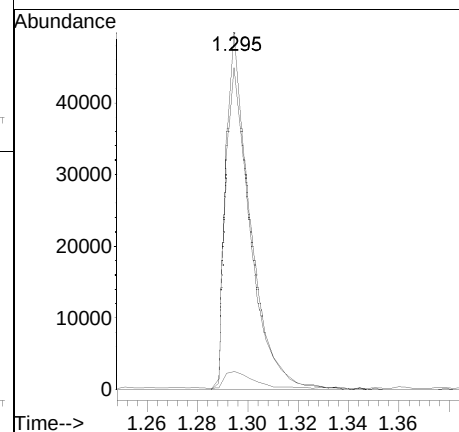
Sub List : ABNical - ABN ical sublist

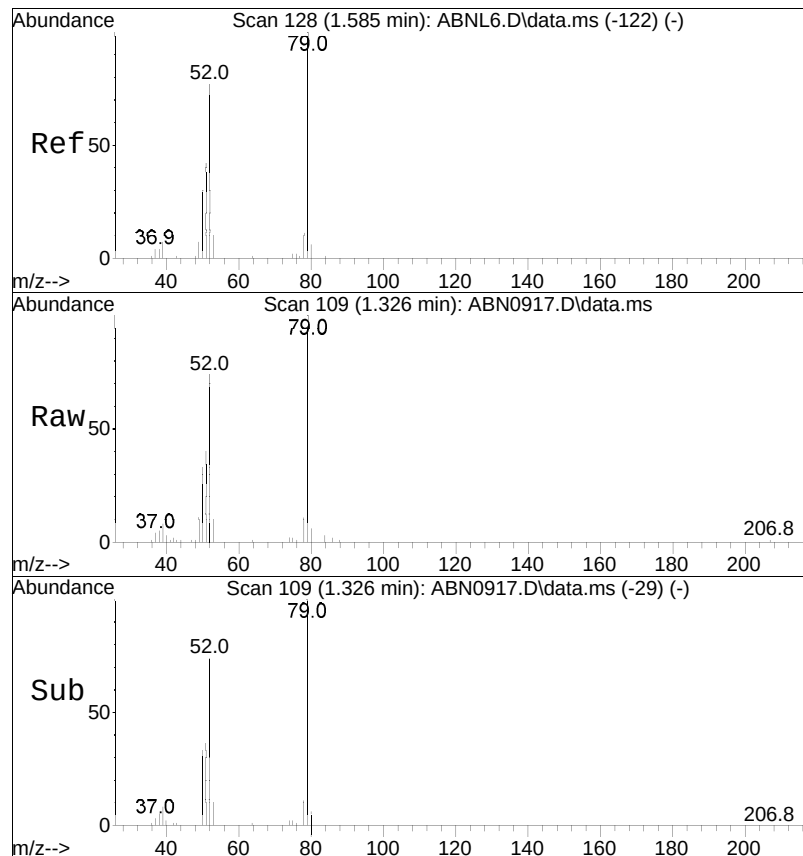




#2
 n-Nitrosodimethylamine
 Concen: 4.83 ug/ml
 RT: 1.295 min Scan# 99
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

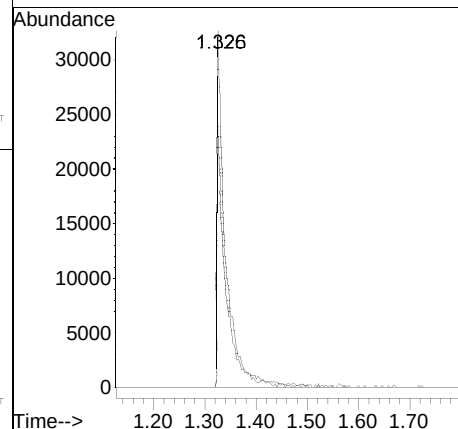
Tgt Ion: 74 Resp: 33299
 Ion Ratio Lower Upper
 74 100
 42 93.1 100.0 150.0#
 44 5.5 6.7 10.1#

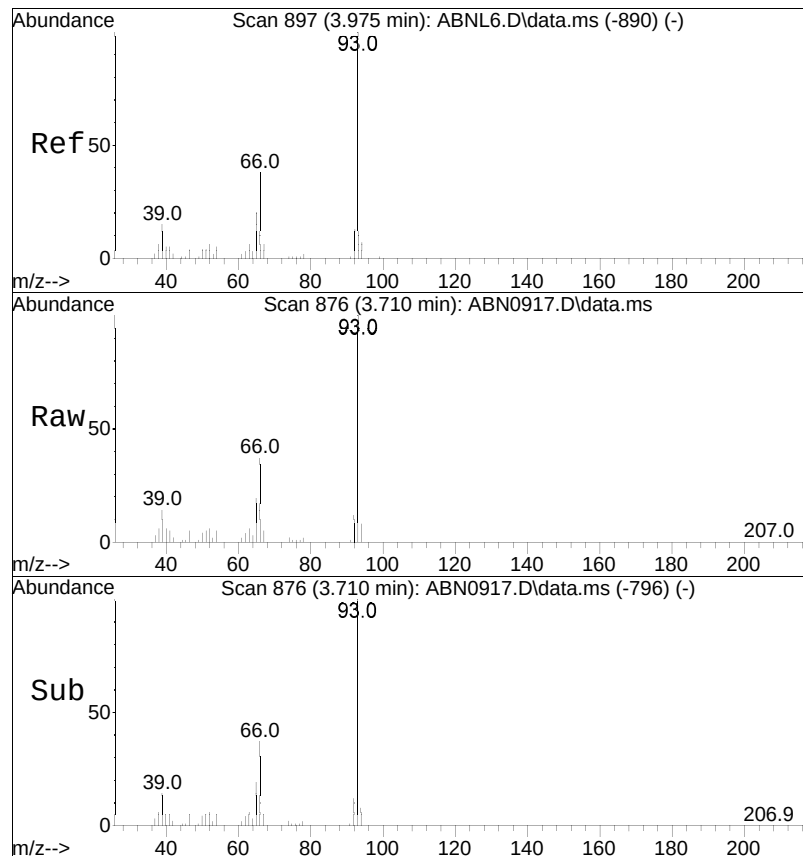




#3
 Pyridine
 Concen: 3.15 ug/ml M1
 RT: 1.326 min Scan# 109
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

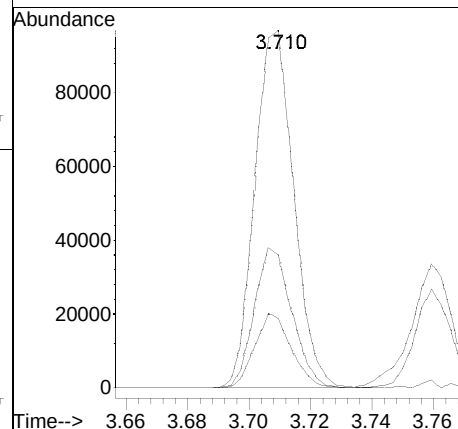
Tgt Ion	Ratio	Lower	Upper
79	100		
52	72.0	93.1	139.7#

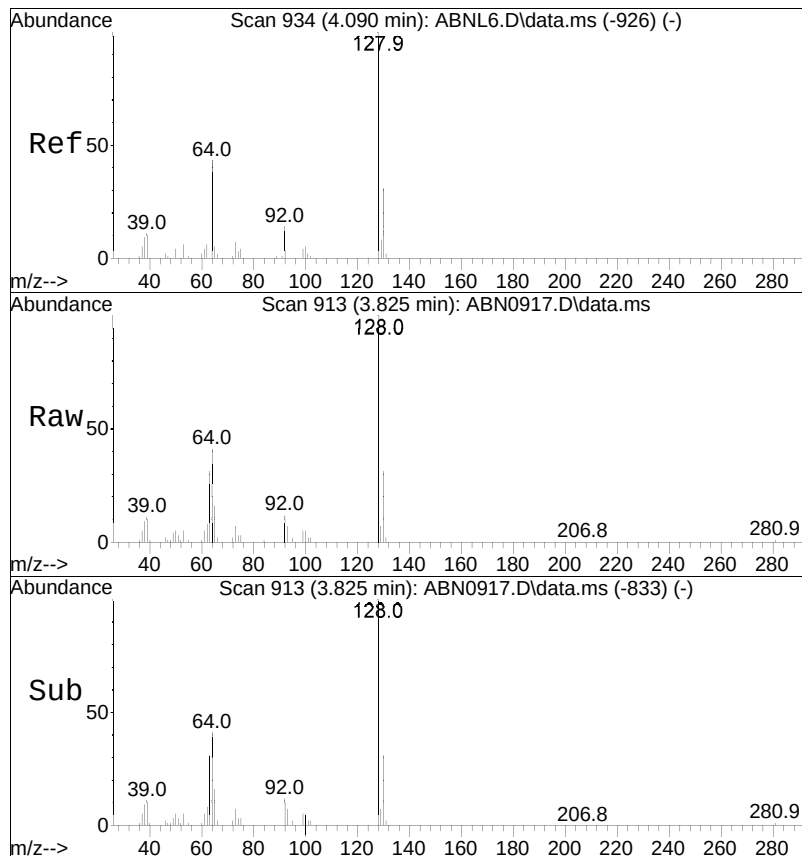




#5
 Aniline
 Concen: 4.68 ug/ml
 RT: 3.710 min Scan# 876
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

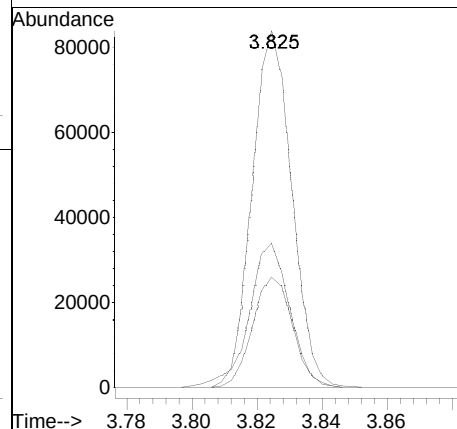
Tgt	Ion	Ratio	Resp	Lower	Upper
93	100		84922		
66	37.9			32.6	49.0
65	19.6			17.6	26.4

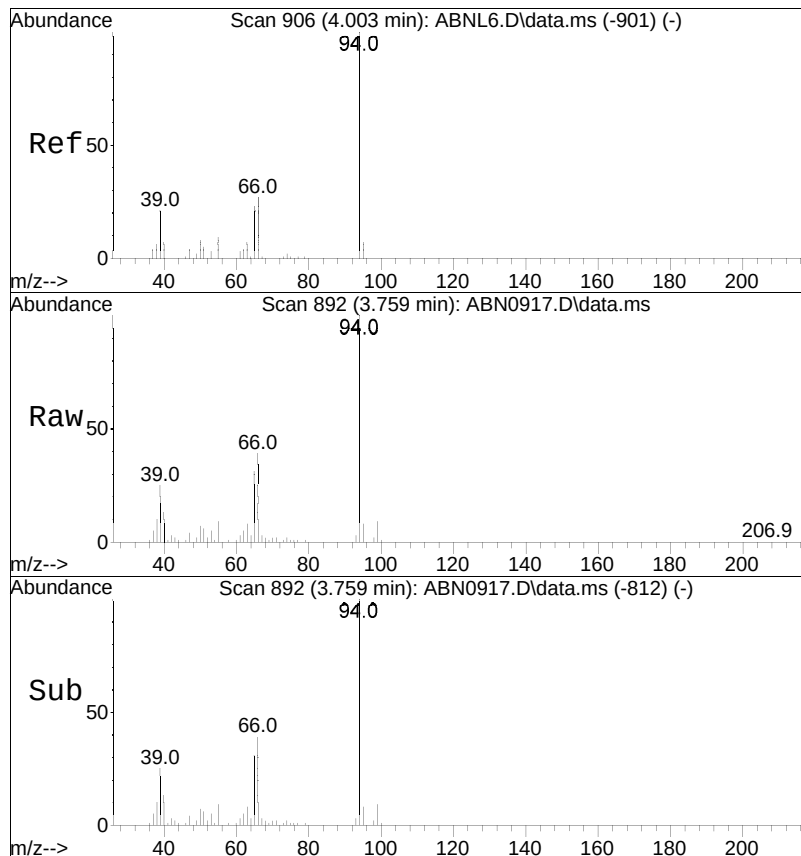




#6
 2-Chlorophenol
 Concen: 5.07 ug/ml
 RT: 3.825 min Scan# 913
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

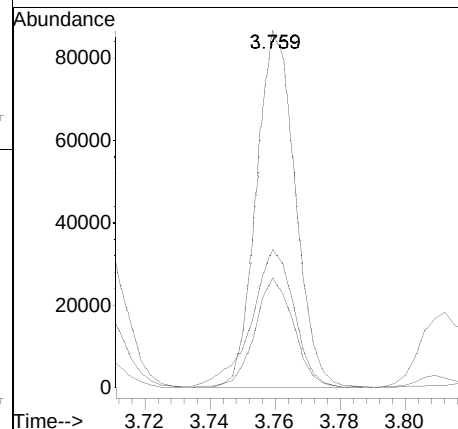
Tgt	Ion:128	Resp:	70543
Ion	Ratio	Lower	Upper
128	100		
64	41.7	45.1	67.7#
130	31.5	26.2	39.4

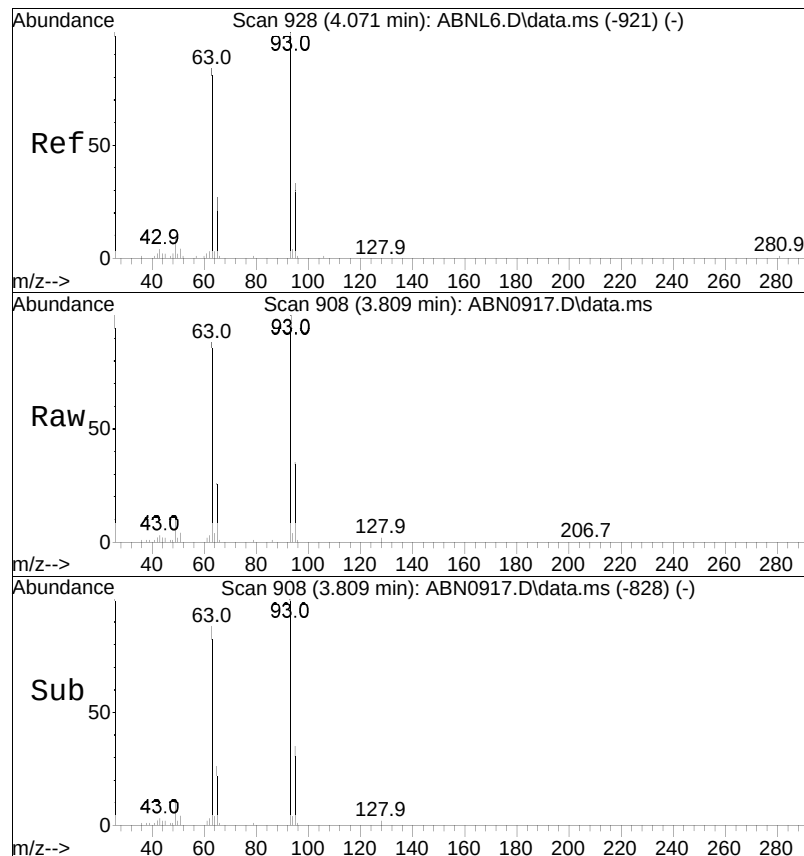




#8
 Phenol
 Concen: 4.76 ug/ml
 RT: 3.759 min Scan# 892
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

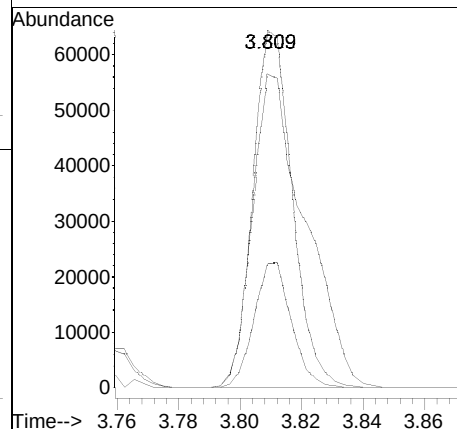
Tgt	Ion	Ratio	Lower	Upper
94	100			
65	30.8	26.0	39.0	
66	42.8	33.8	50.8	

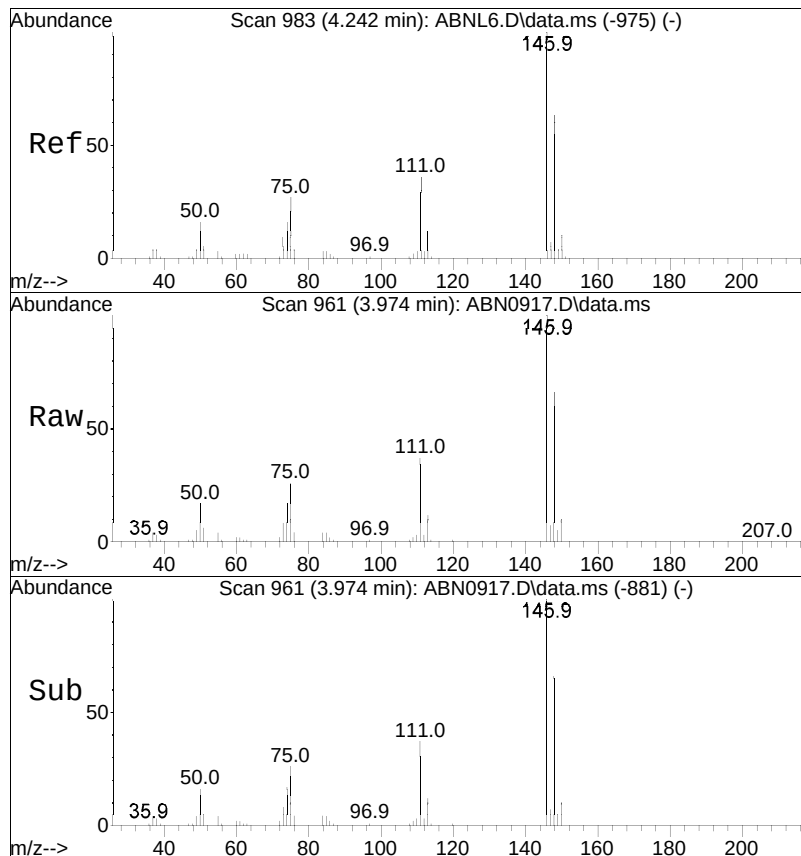




#9
 Bis(2-chloroethyl)ether
 Concen: 4.78 ug/ml
 RT: 3.809 min Scan# 908
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

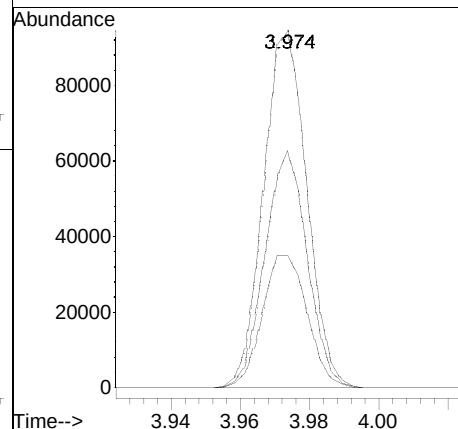
Tgt Ion	Ratio	Lower	Upper
93	100		
63	117.3	74.6	111.8#
95	33.2	25.9	38.9

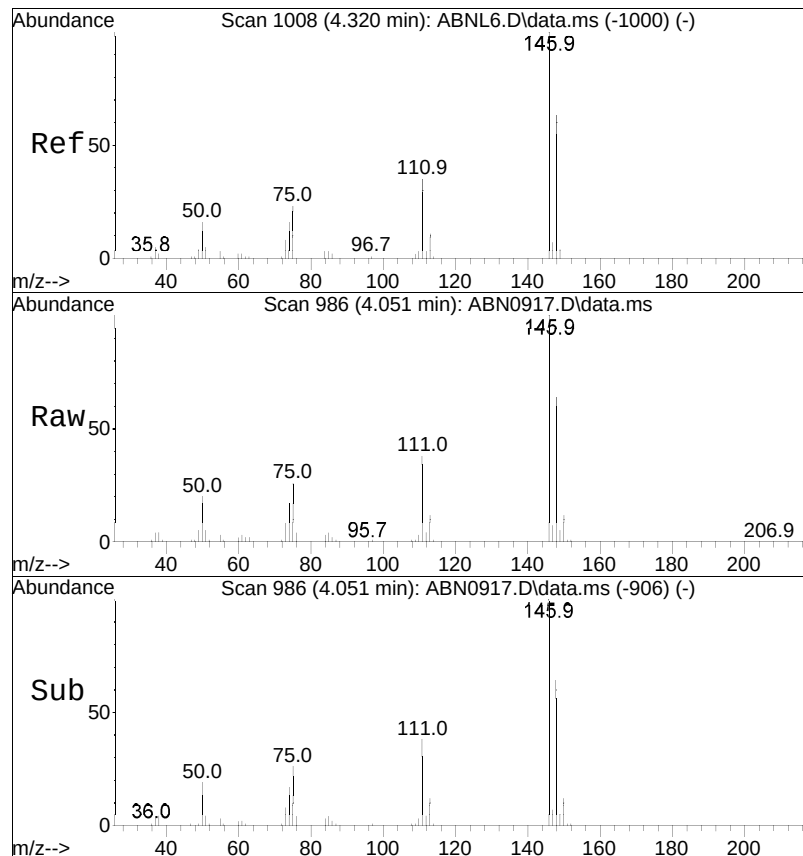




#10
 1,3-Dichlorobenzene
 Concen: 4.88 ug/ml
 RT: 3.974 min Scan# 961
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

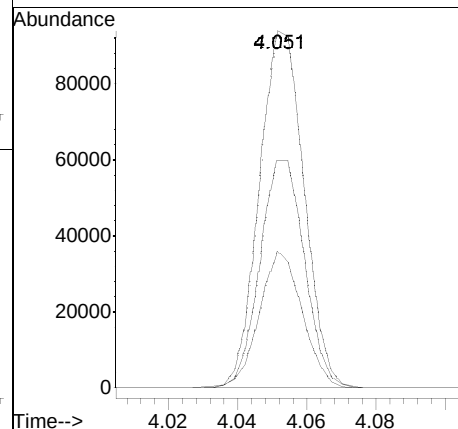
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	34.3	51.5
148	64.9	50.8	76.2

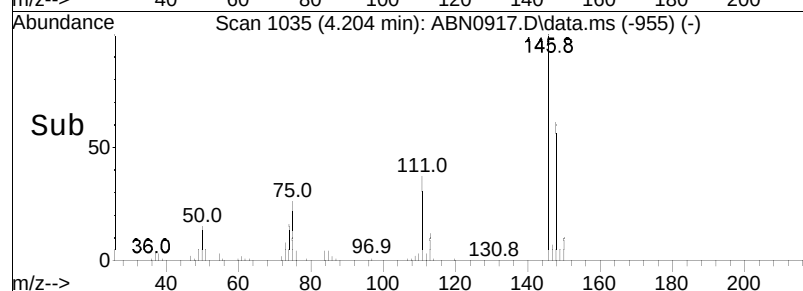
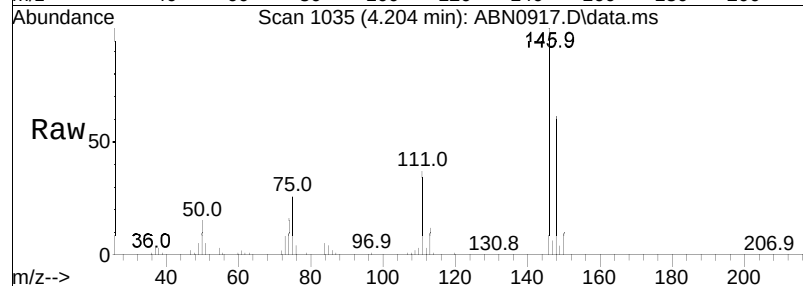
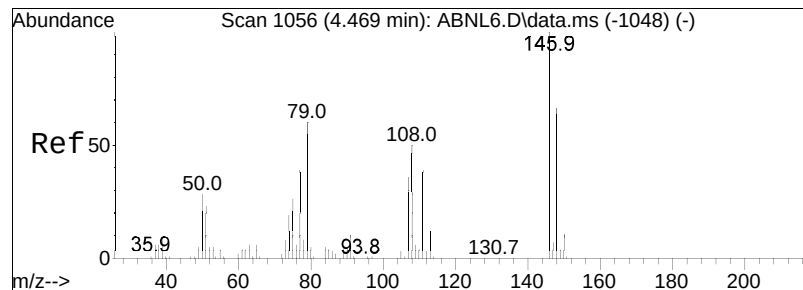




#11
 1,4-Dichlorobenzene
 Concen: 4.92 ug/ml
 RT: 4.051 min Scan# 986
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

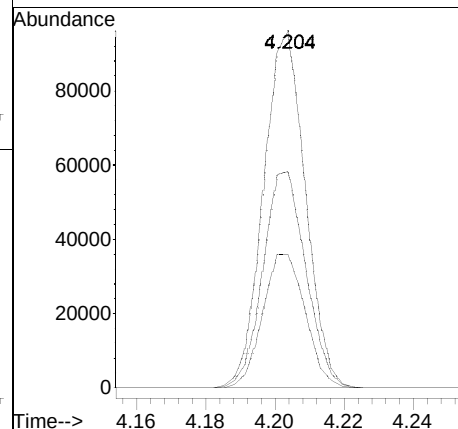
Tgt Ion:	146	Resp:	83909
Ion Ratio	Lower	Upper	
146	100		
148	63.5	50.7	76.1
111	36.9	33.4	50.0

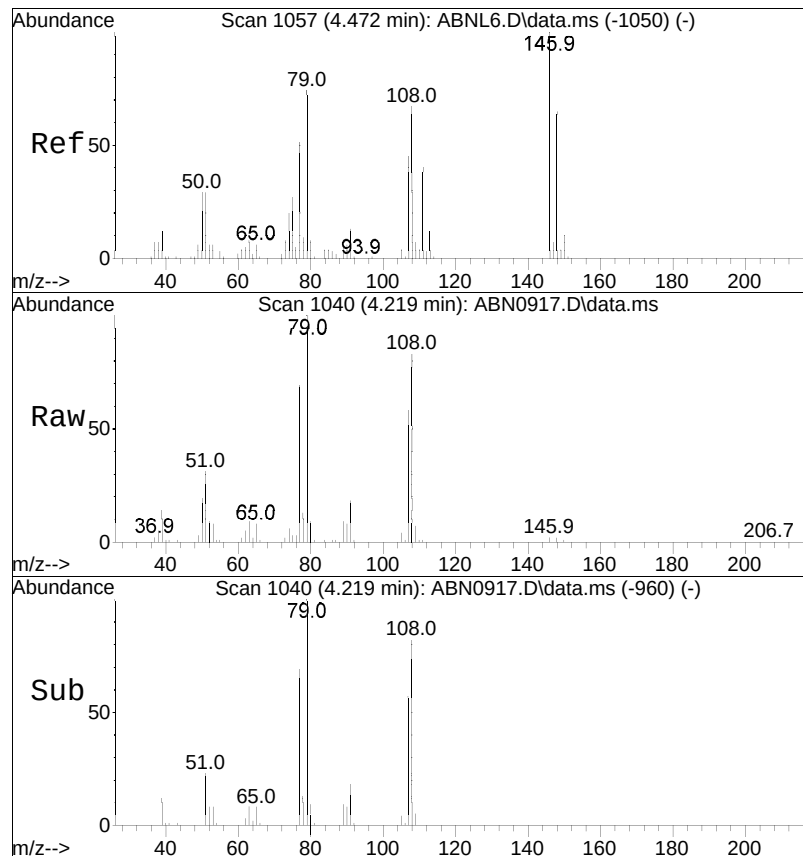




#12
 1,2-Dichlorobenzene
 Concen: 4.87 ug/ml
 RT: 4.204 min Scan# 1035
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

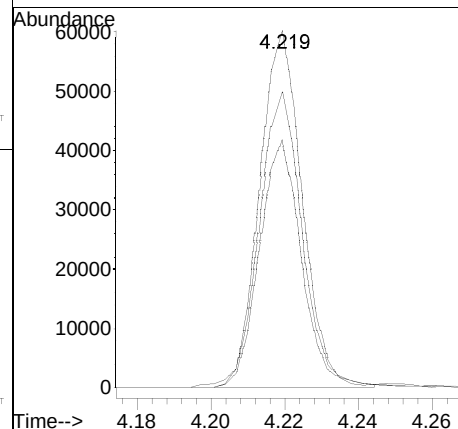
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	34.6	52.0
148	62.3	50.2	75.4

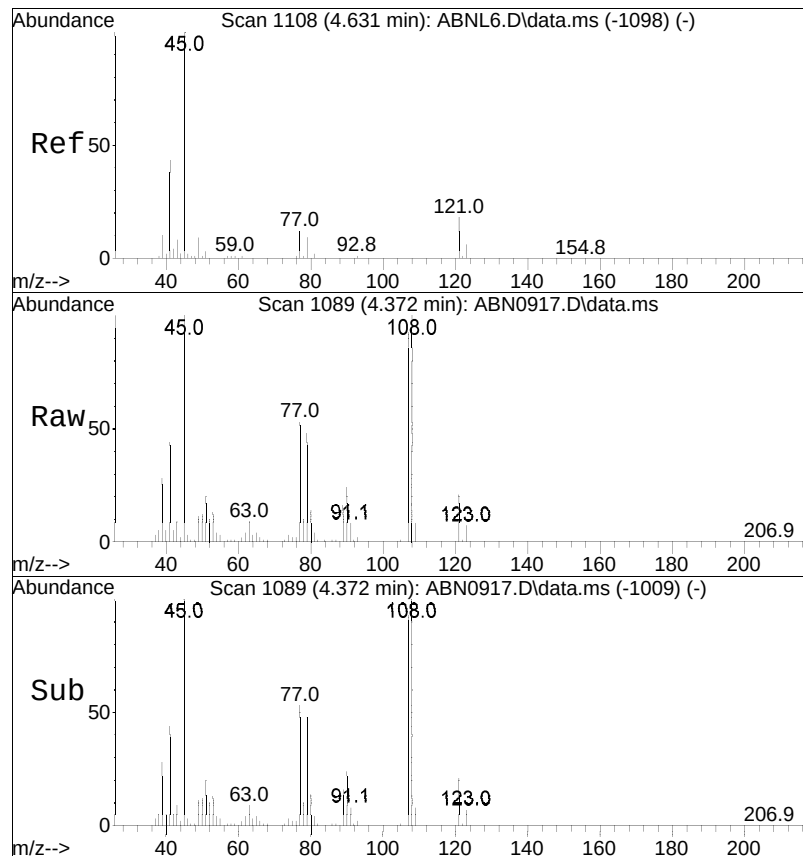




#13
 Benzyl alcohol
 Concen: 4.80 ug/ml
 RT: 4.219 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

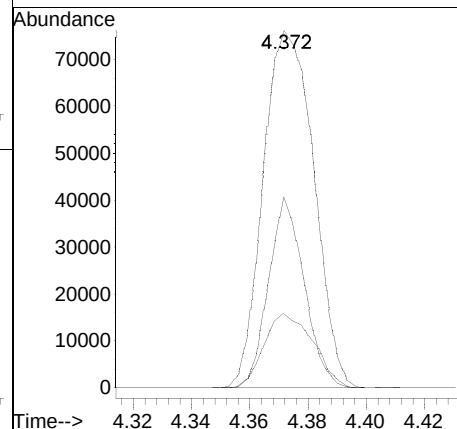
Tgt Ion:	79	Resp:	48314
Ion Ratio	Lower	Upper	
79	100		
77	68.7	54.9	82.3
108	84.0	63.1	94.7

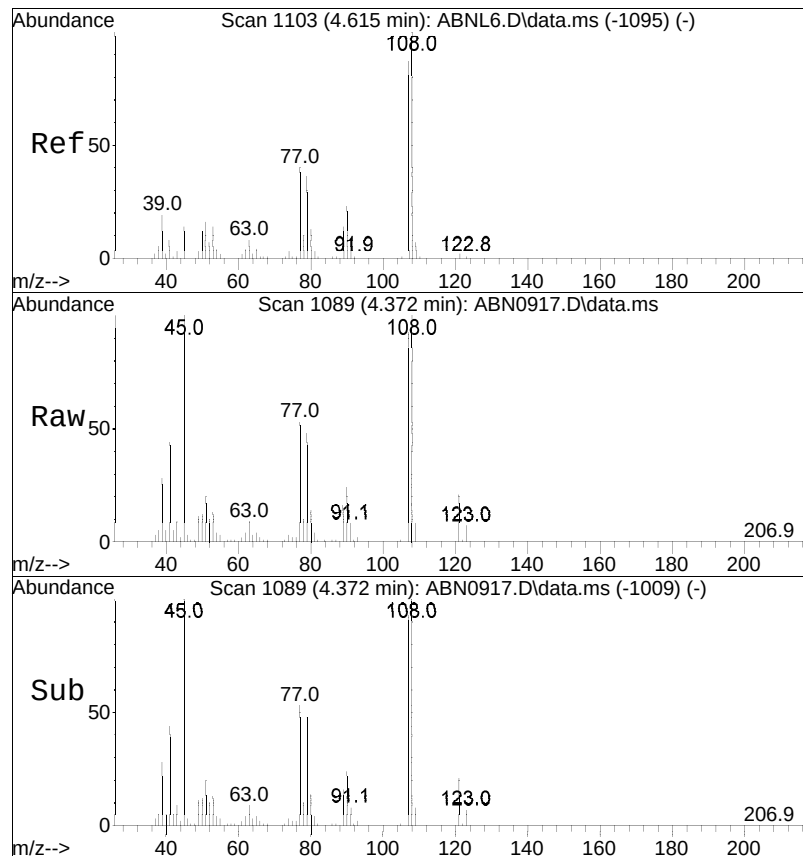




#14
 Bis(2-chloroisopropyl)ether
 Concen: 4.70 ug/ml
 RT: 4.372 min Scan# 1089
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

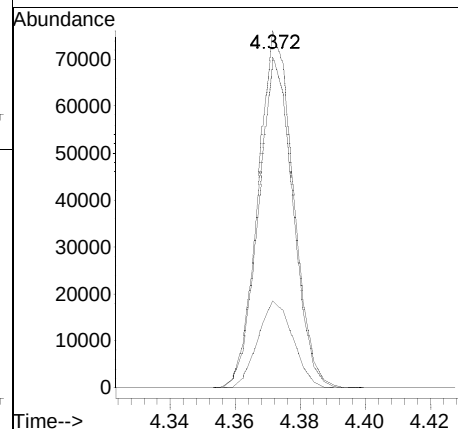
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	91667		
121	20.2	9.8	14.6#	
77	37.9	6.1	9.1#	

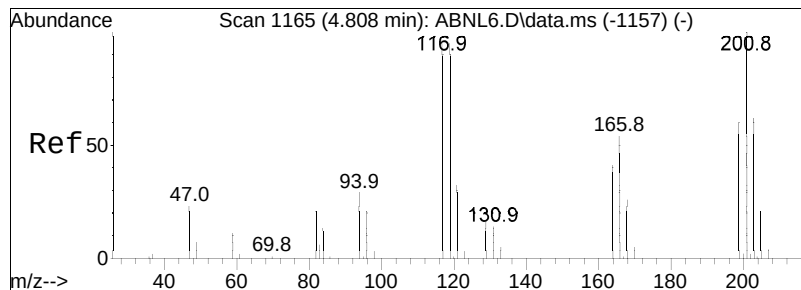




#15
 2-Methylphenol
 Concen: 4.97 ug/ml
 RT: 4.372 min Scan# 1089
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

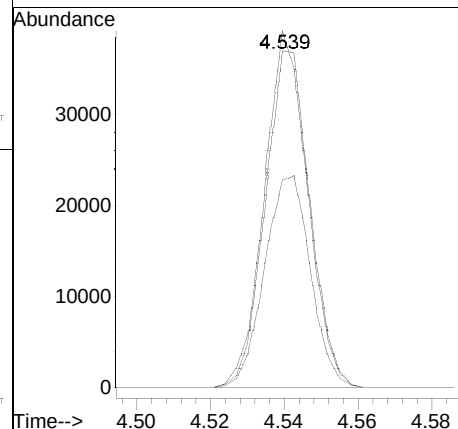
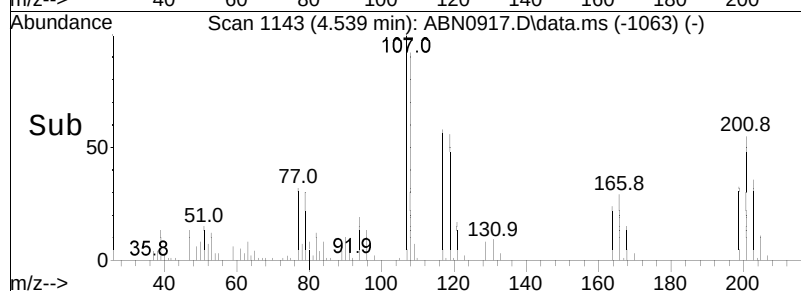
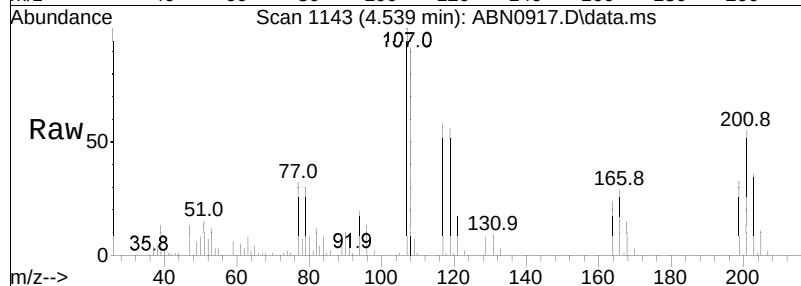
Tgt Ion:	108	Resp:	57274
Ion Ratio	Lower	Upper	
108	100		
107	90.2	70.7	106.1
90	24.3	18.7	28.1

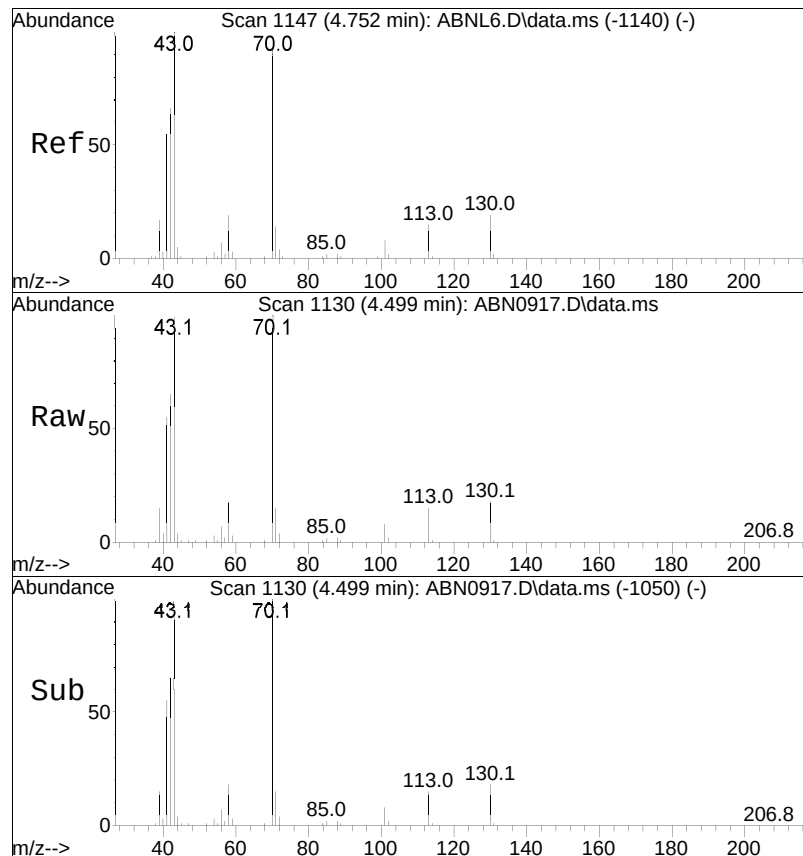




#16
 Hexachloroethane
 Concen: 5.07 ug/ml
 RT: 4.539 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

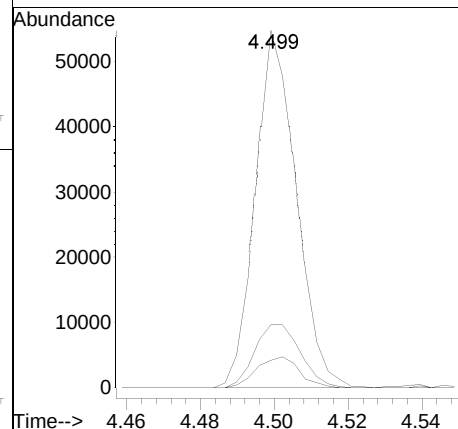
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	31837		
201	97.9	58.6	87.8#	
199	63.2	36.9	55.3#	

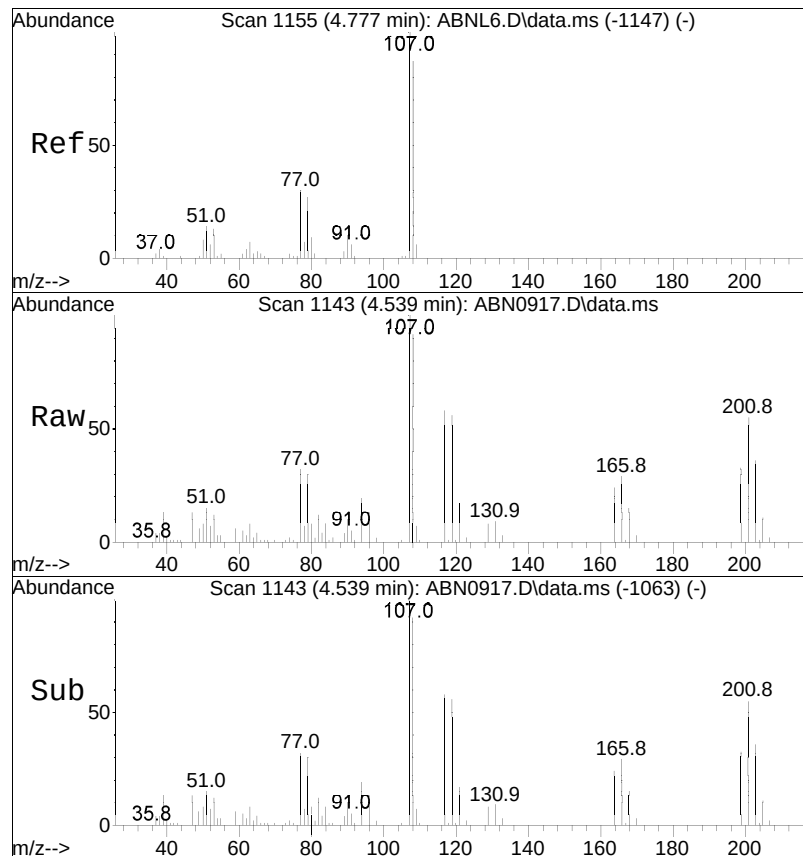




#17
 n-Nitrosodi-n-propylamine
 Concen: 4.93 ug/ml
 RT: 4.499 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

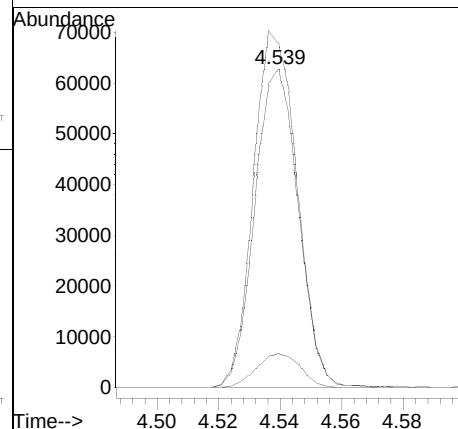
Tgt Ion:	70	Resp:	41969
Ion Ratio	Lower	Upper	
70	100		
130	19.7	18.2	27.4
101	9.0	7.8	11.8

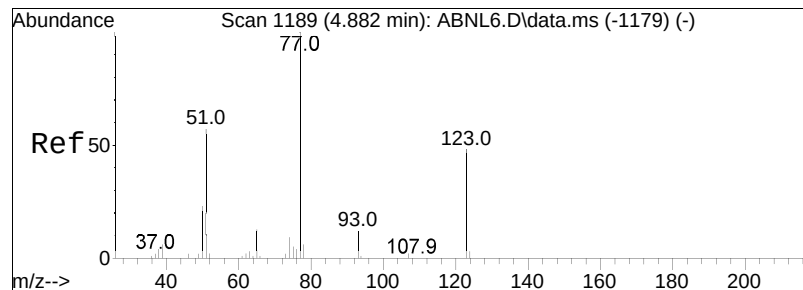




#18
 3-Methylphenol/4-Methylphenol
 Concen: 4.88 ug/ml
 RT: 4.539 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

Tgt Ion:	108	Resp:	61459
Ion Ratio	Lower	Upper	
108	100		
107	112.5	88.6	132.8
90	10.8	8.8	13.2





#20

Nitrobenzene

Concen: 4.96 ug/ml

RT: 4.623 min Scan# 1170

Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 9:51 am

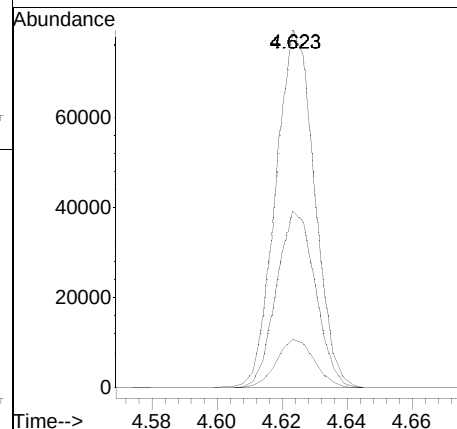
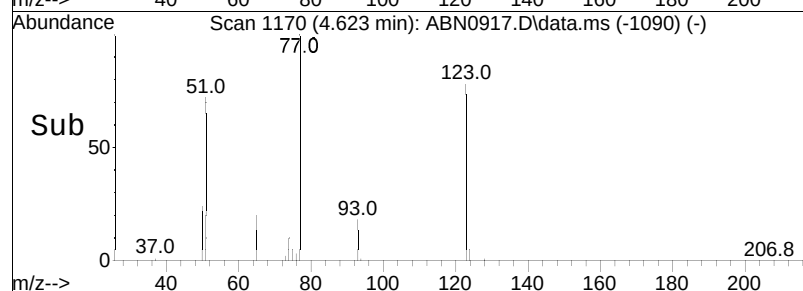
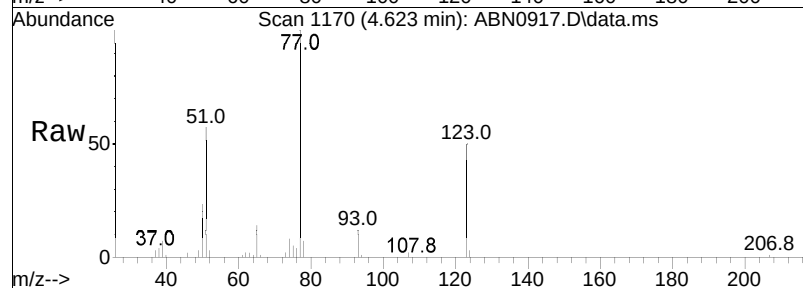
Tgt Ion: 77 Resp: 65340

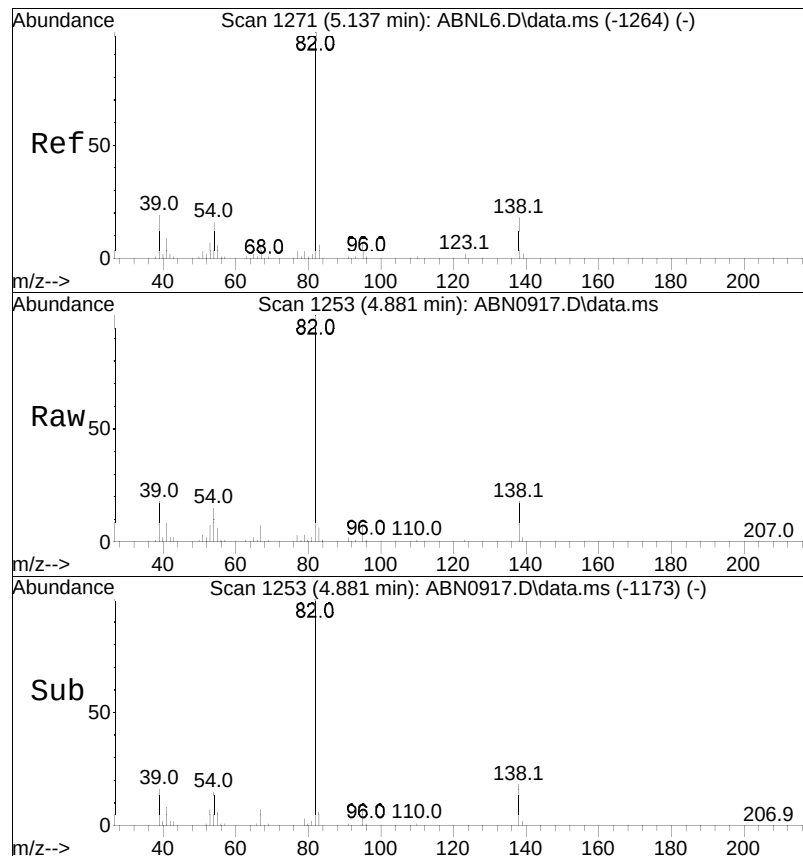
Ion Ratio Lower Upper

77 100

123 49.6 36.3 54.5

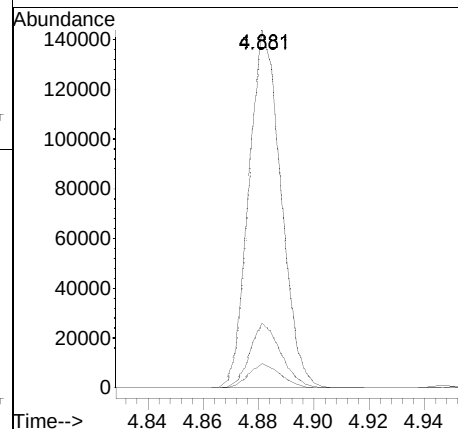
65 13.5 11.6 17.4

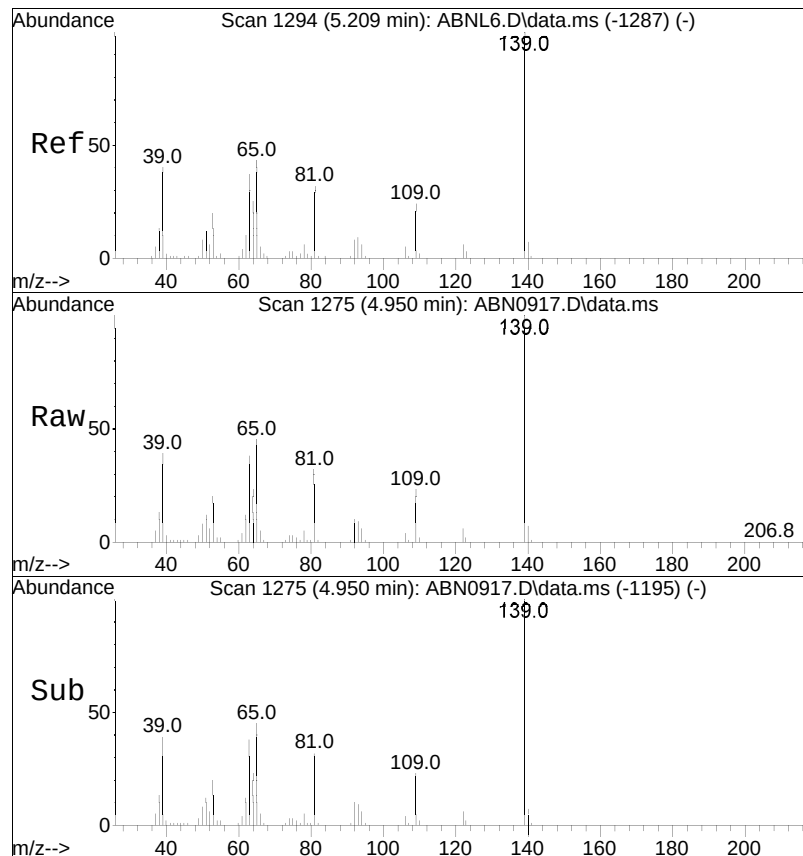




#21
 Isophorone
 Concen: 4.79 ug/ml
 RT: 4.881 min Scan# 1253
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

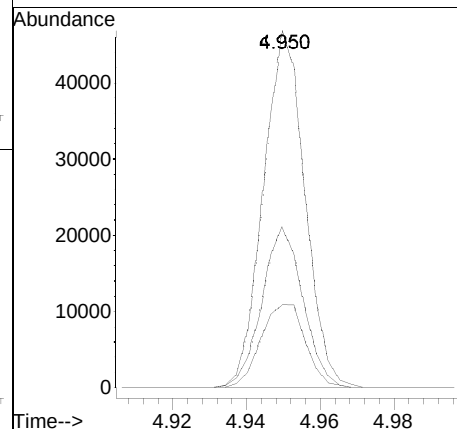
Tgt Ion:	82	Resp:	114788
Ion Ratio	Lower	Upper	
82	100		
138	17.5	14.7	22.1
95	6.7	5.2	7.8

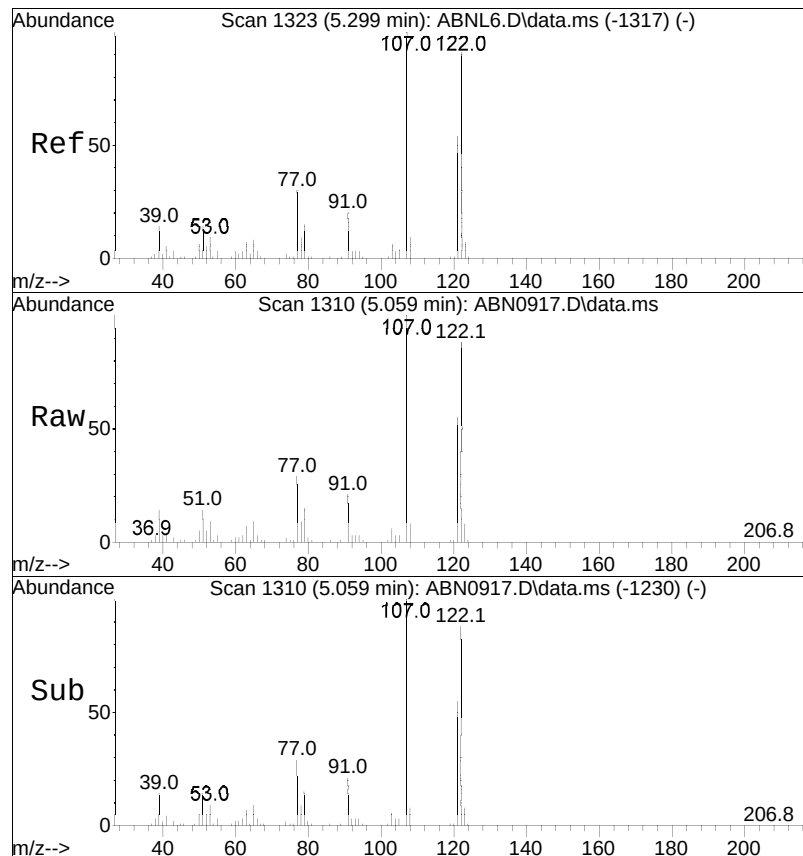




#22
 2-Nitrophenol
 Concen: 5.42 ug/ml
 RT: 4.950 min Scan# 1275
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

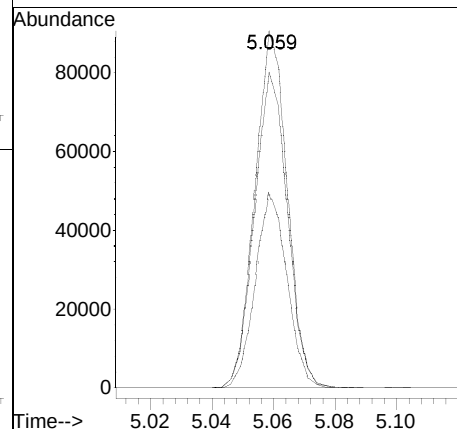
Tgt Ion	Ratio	Resp	Lower	Upper
139	100	36259		
109	25.2		19.4	29.0
65	44.8		46.1	69.1#

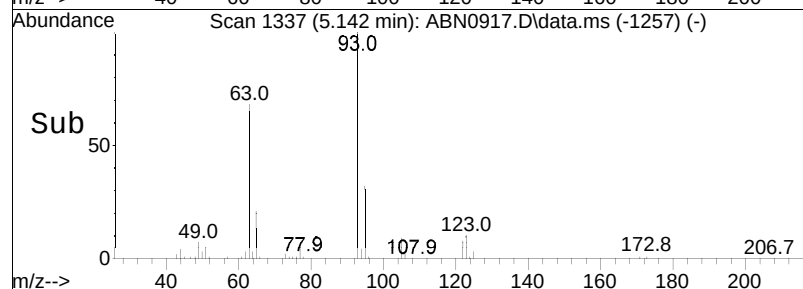
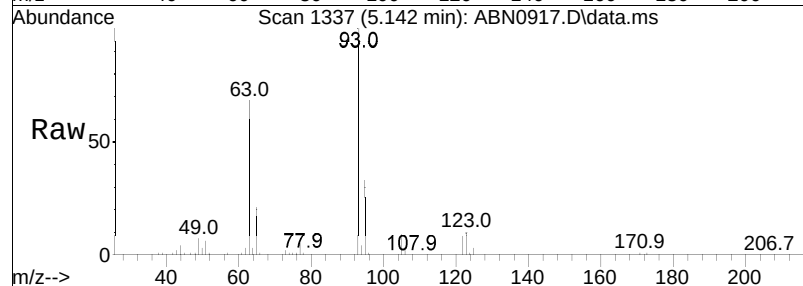
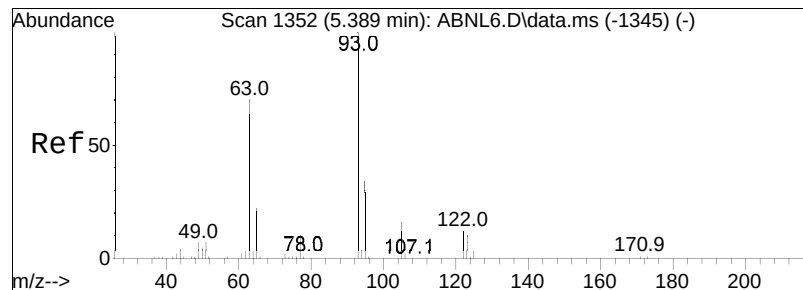




#23
 2,4-Dimethylphenol
 Concen: 4.97 ug/ml
 RT: 5.059 min Scan# 1310
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

Tgt Ion:	107	Resp:	66014
Ion Ratio	Lower	Upper	
107	100		
121	53.8	40.0	60.0
122	90.0	70.2	105.4





#24

Bis(2-chloroethoxy)methane

Concen: 4.85 ug/ml

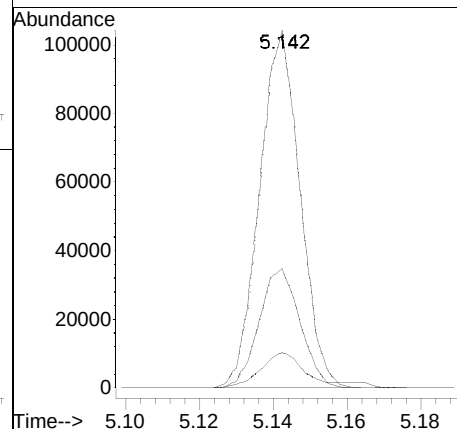
RT: 5.142 min Scan# 1337

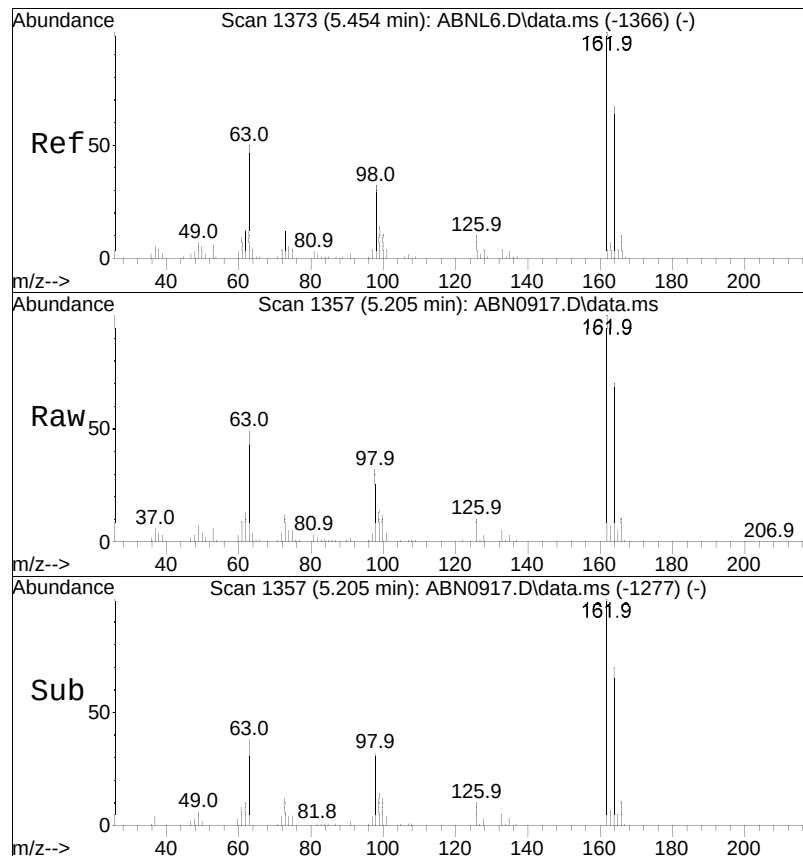
Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 9:51 am

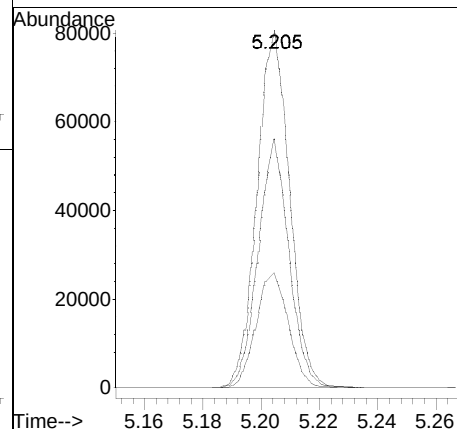
Tgt Ion:	93	Resp:	78398
Ion Ratio	Lower	Upper	
93	100		
95	34.0	25.8	38.8
123	11.9	10.1	15.1

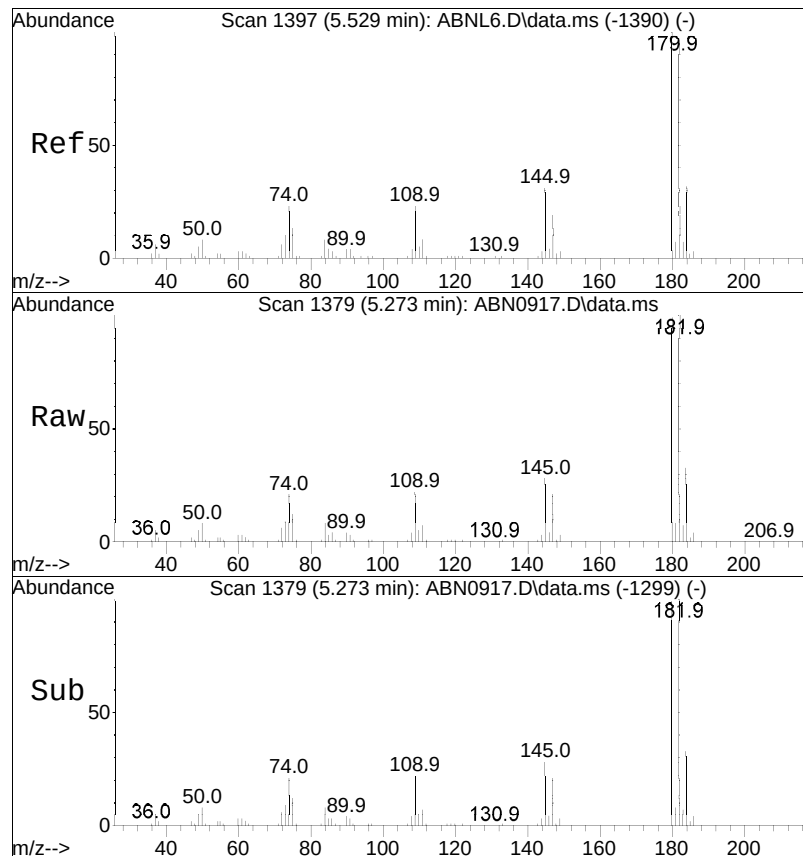




#25
 2,4-Dichlorophenol
 Concen: 5.06 ug/ml
 RT: 5.205 min Scan# 1357
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

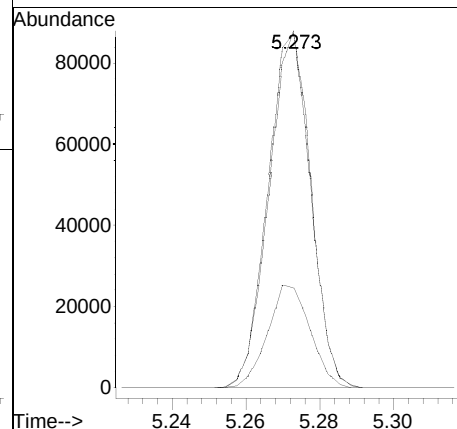
Tgt Ion:	162	Resp:	61865
Ion Ratio	Lower	Upper	
162	100		
164	66.2	51.0	76.4
98	32.2	32.2	48.2

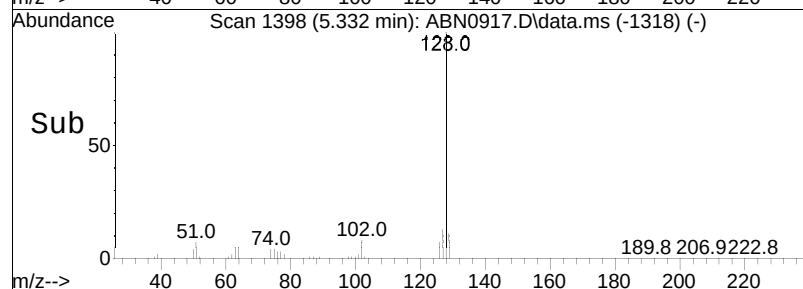
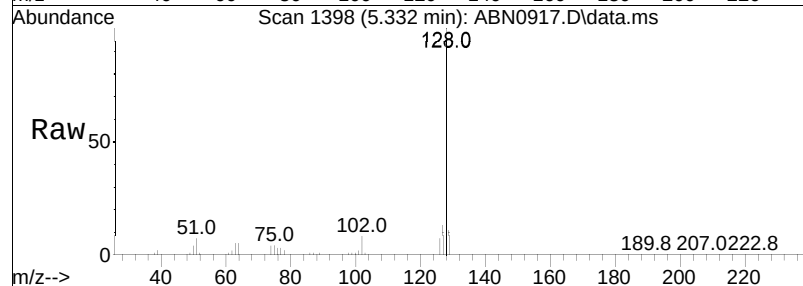
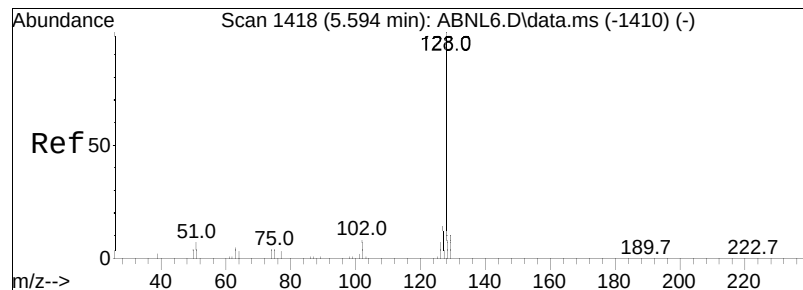




#26
 1,2,4-Trichlorobenzene
 Concen: 4.94 ug/ml
 RT: 5.273 min Scan# 1379
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

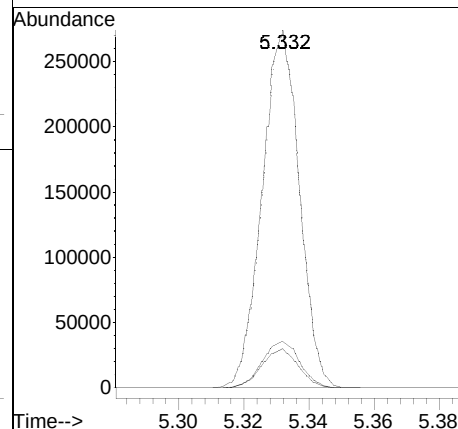
Tgt Ion:	180	Resp:	70890
Ion Ratio	Lower	Upper	
180	100		
182	96.3	76.0	114.0
145	28.6	25.7	38.5

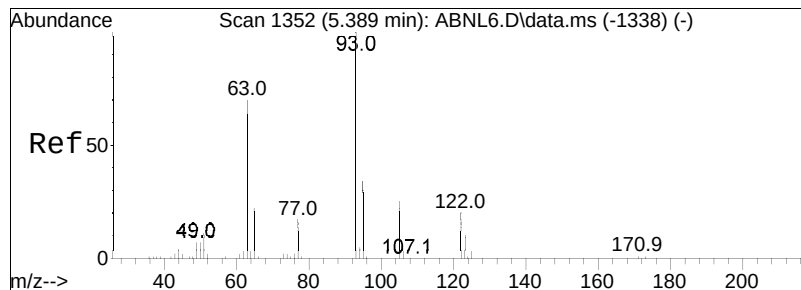




#36
Naphthalene
Concen: 4.83 ug/ml
RT: 5.332 min Scan# 1398
Delta R.T. 0.000 min
Lab File: ABN0917.D
Acq: 17 Sep 2025 9:51 am

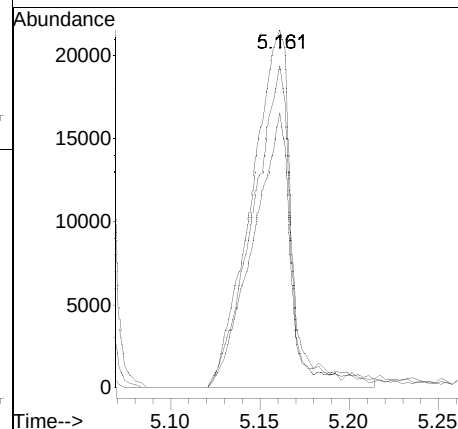
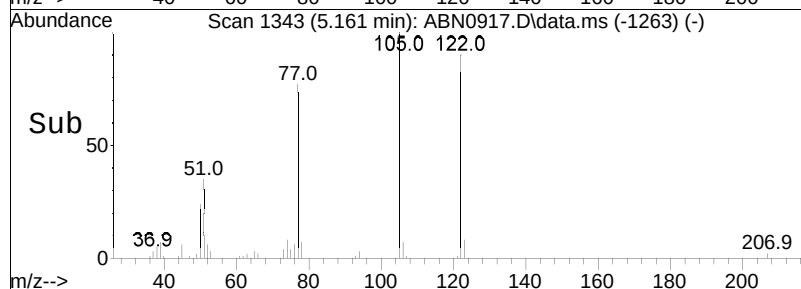
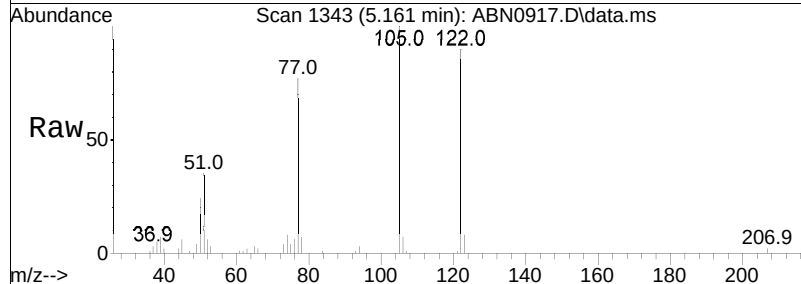
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	215079		
129	10.9		8.7	13.1
127	13.3		10.3	15.5

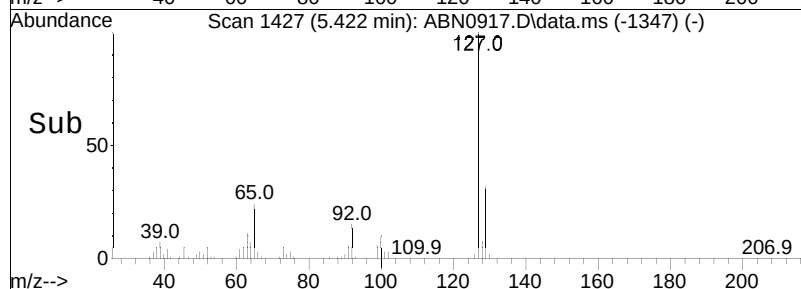
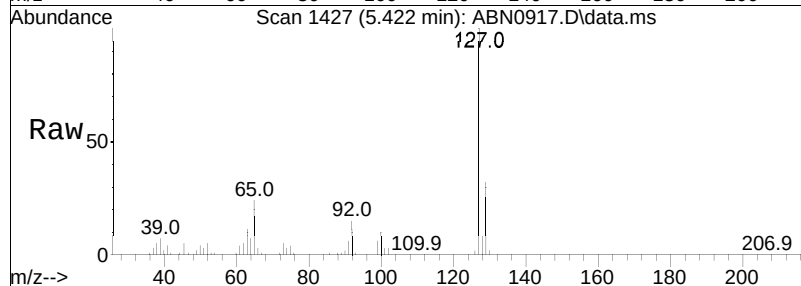
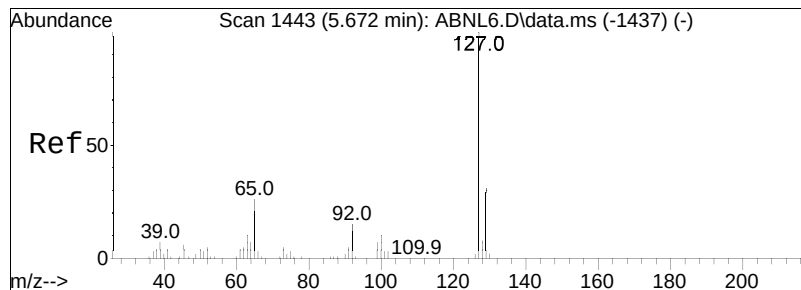




#37
 Benzoic Acid
 Concen: 3.80 ug/ml
 RT: 5.161 min Scan# 1343
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

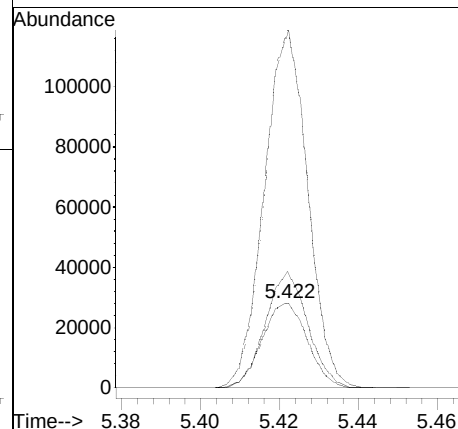
Tgt Ion:	105	Resp:	34240
Ion Ratio	Lower	Upper	
105	100		
122	85.2	59.9	89.9
77	70.7	60.1	90.1

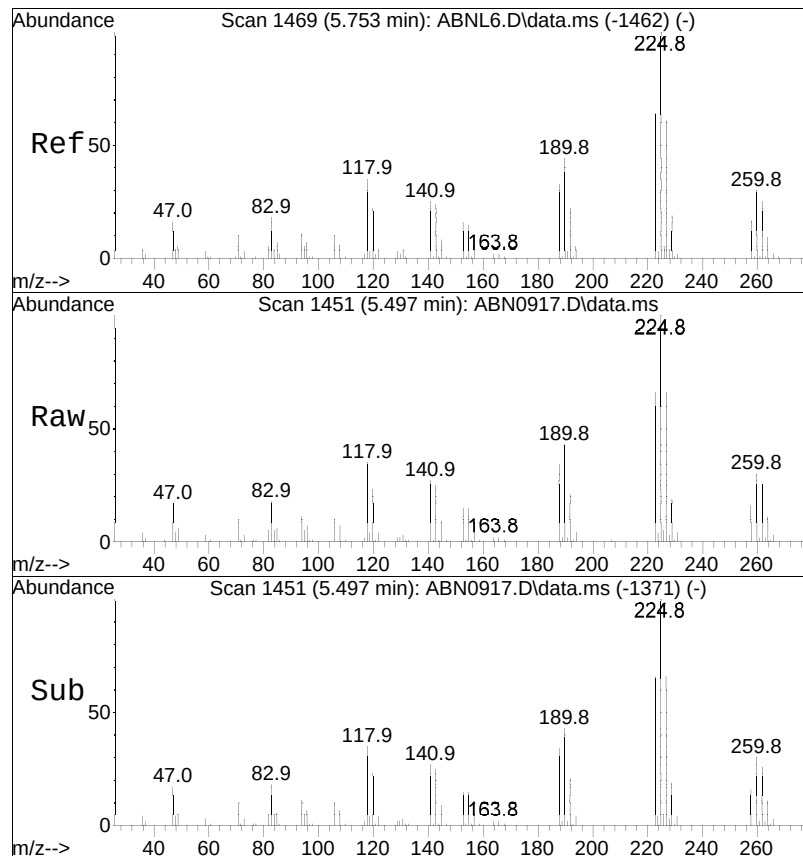




#38
 4-Chloroaniline
 Concen: 4.65 ug/ml
 RT: 5.422 min Scan# 1427
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

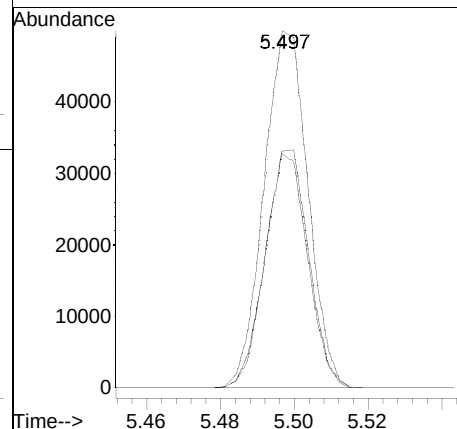
Tgt	Ion	Resp	Lower	Upper
65	100			
127	400.0	22439	237.6	356.4#
129	127.7	76.3	114.5#	

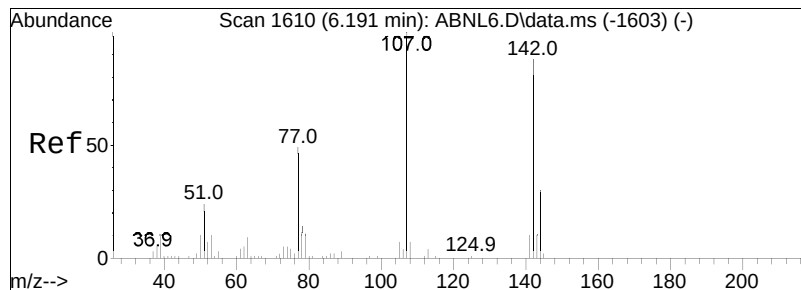




#39
 Hexachlorobutadiene
 Concen: 5.01 ug/ml
 RT: 5.497 min Scan# 1451
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

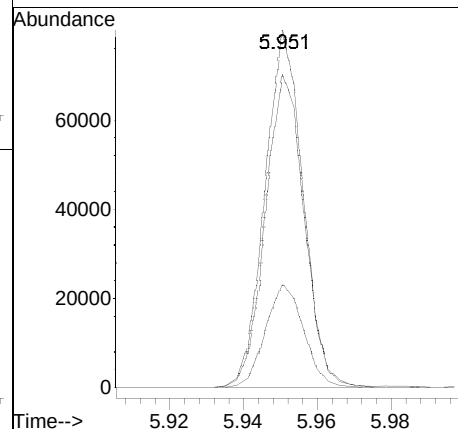
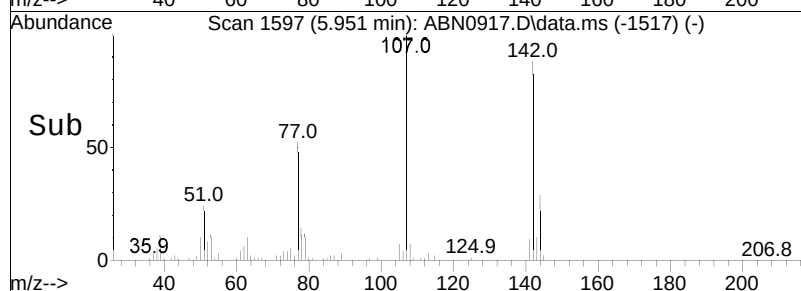
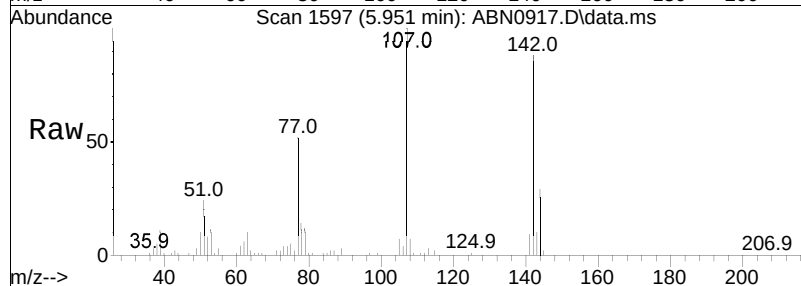
Tgt	Ion:225	Resp:	41321
Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.3	75.5
227	65.7	52.2	78.2

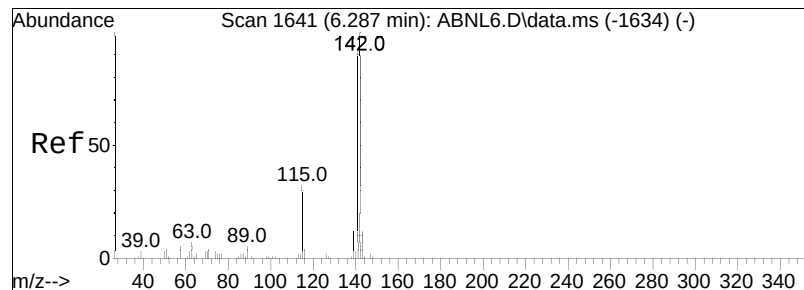




#40
 p-Chloro-m-cresol
 Concen: 4.86 ug/ml
 RT: 5.951 min Scan# 1597
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

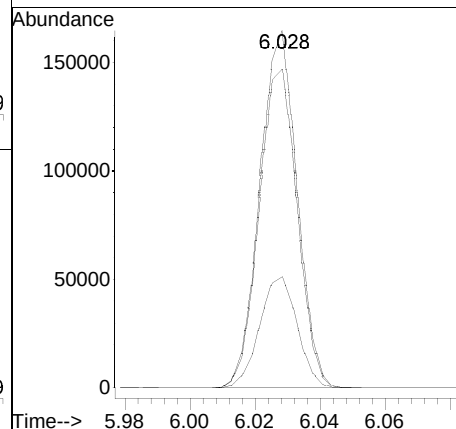
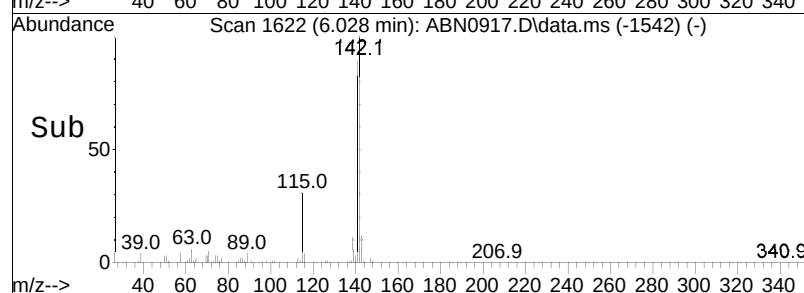
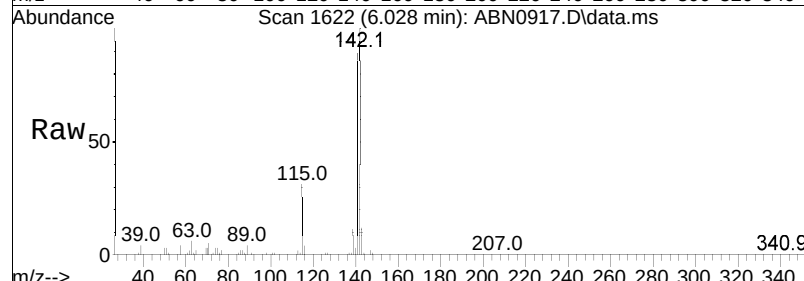
Tgt Ion	Ratio	Lower	Upper
107	100		
144	29.1	20.9	31.3
142	89.3	66.1	99.1

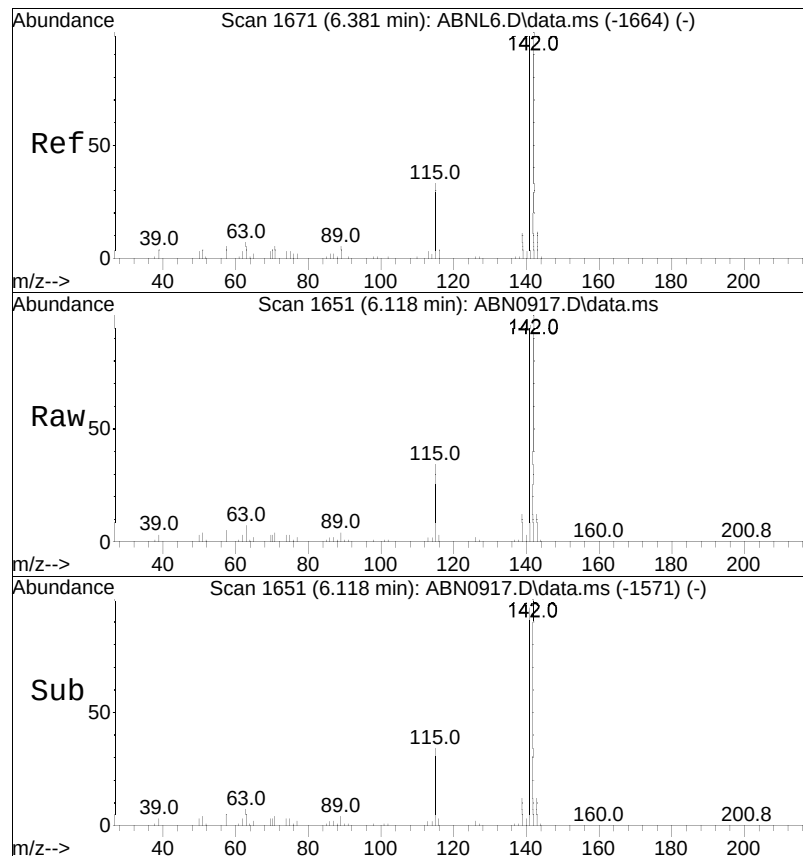




#41
 2-Methylnaphthalene
 Concen: 4.95 ug/ml
 RT: 6.028 min Scan# 1622
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

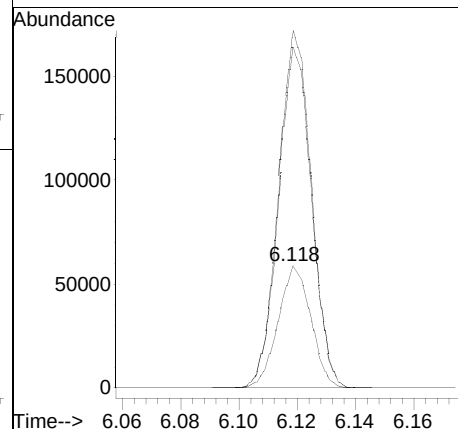
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	69.6	104.4
115	31.6	26.6	40.0

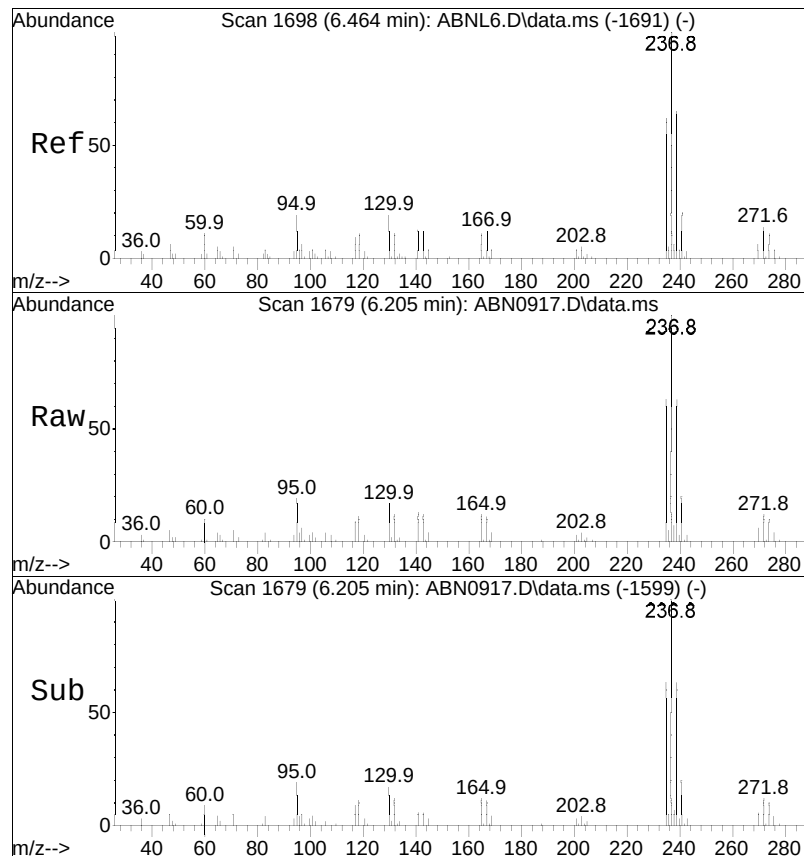




#42
 1-Methylnaphthalene
 Concen: 4.92 ug/ml
 RT: 6.118 min Scan# 1651
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

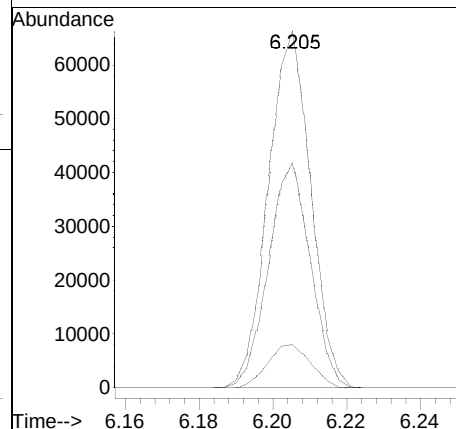
Tgt Ion:	115	Resp:	46019
Ion Ratio	Lower	Upper	
115	100		
141	280.0	207.8	311.6
142	292.8	226.8	340.2

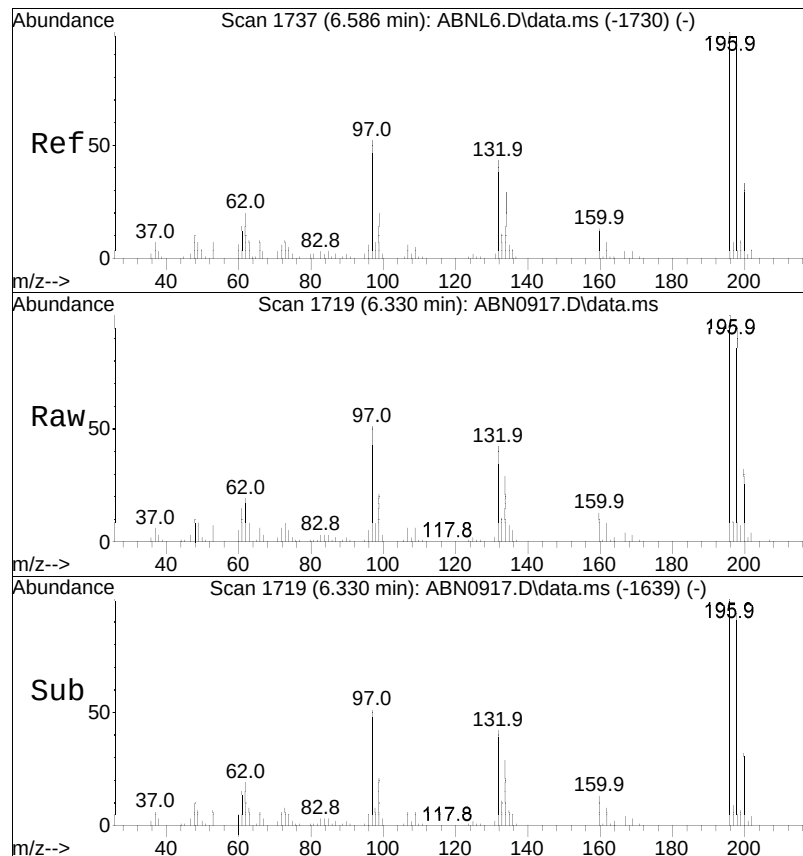




#43
 Hexachlorocyclopentadiene
 Concen: 5.04 ug/ml
 RT: 6.205 min Scan# 1679
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

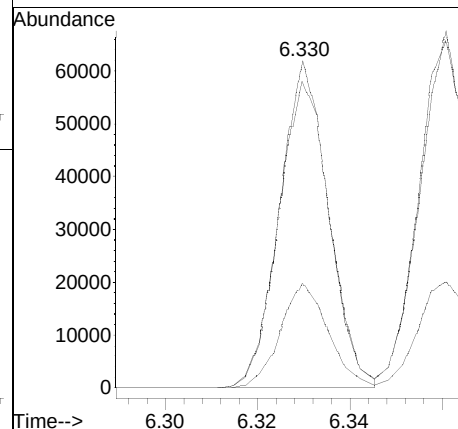
Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.5	49.7	74.5
272	12.5	9.8	14.6

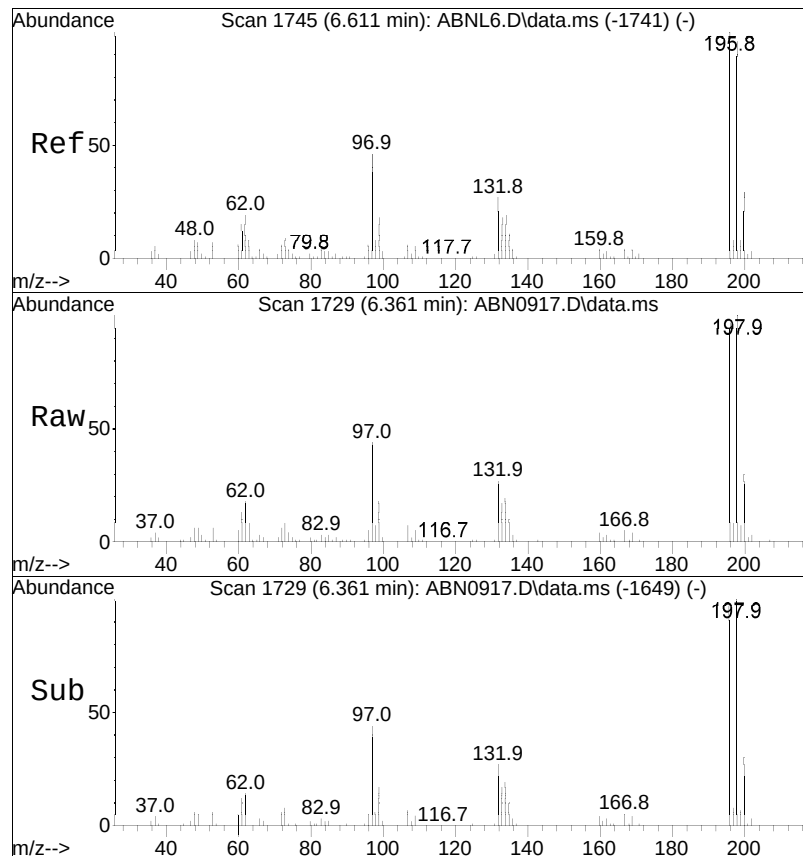




#44
 2,4,6-Trichlorophenol
 Concen: 5.17 ug/ml
 RT: 6.330 min Scan# 1719
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

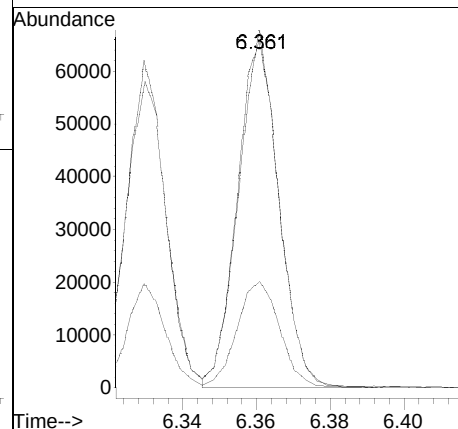
Tgt Ion:	196	Resp:	45390
Ion Ratio	Lower	Upper	
196	100		
198	98.2	77.5	116.3
200	31.5	23.8	35.6

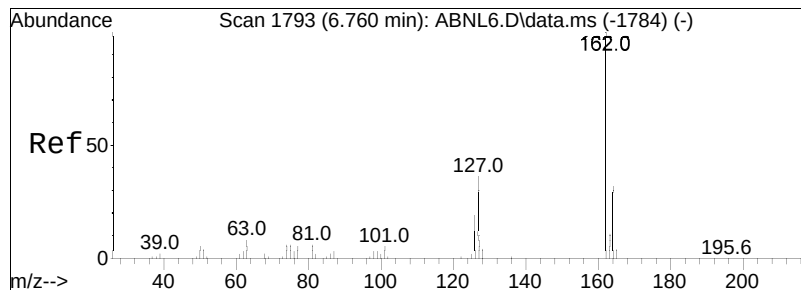




#45
 2,4,5-Trichlorophenol
 Concen: 5.25 ug/ml
 RT: 6.361 min Scan# 1729
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

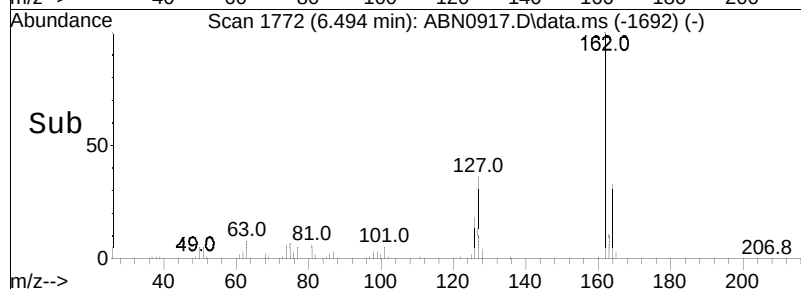
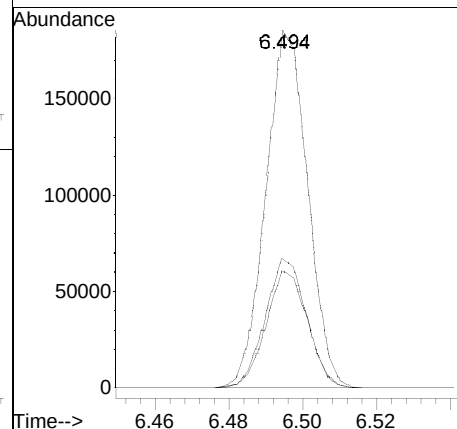
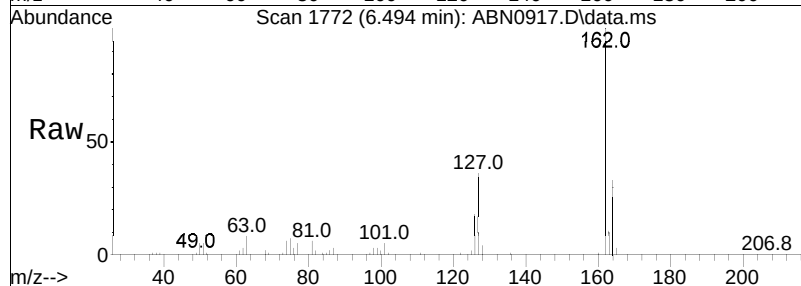
Tgt Ion:	196	Resp:	51761
Ion Ratio	Lower	Upper	
196	100		
200	31.6	25.4	38.0
198	98.9	78.0	117.0

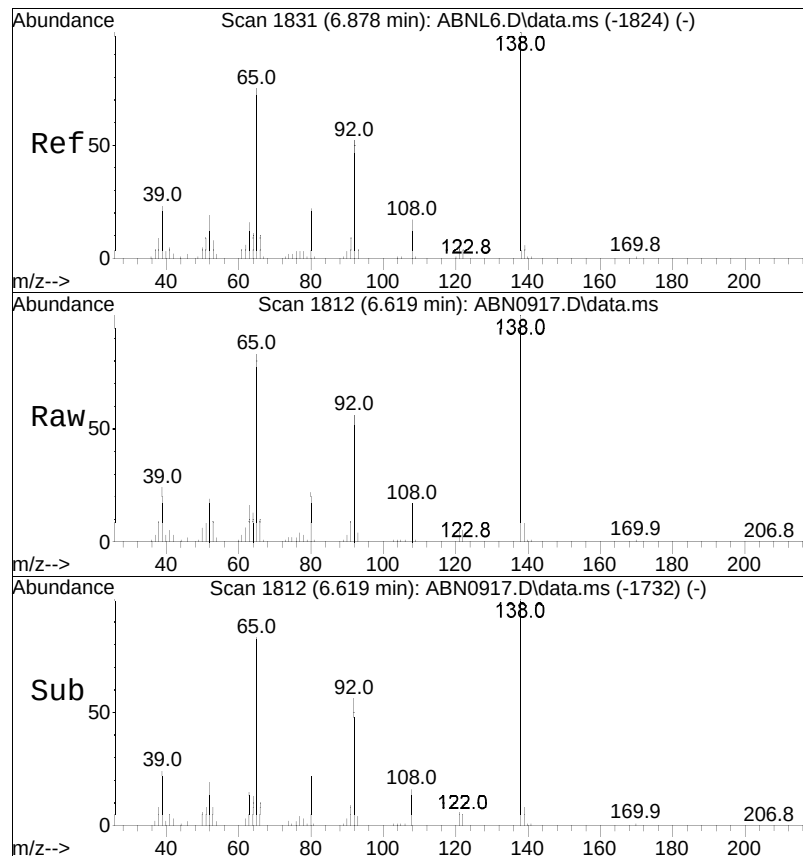




#47
 2-Chloronaphthalene
 Concen: 4.83 ug/ml
 RT: 6.494 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

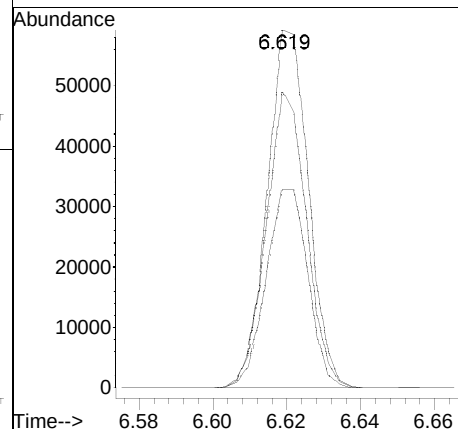
Tgt Ion	Ratio	Lower	Upper
162	100		
127	35.9	32.2	48.4
164	32.5	25.7	38.5

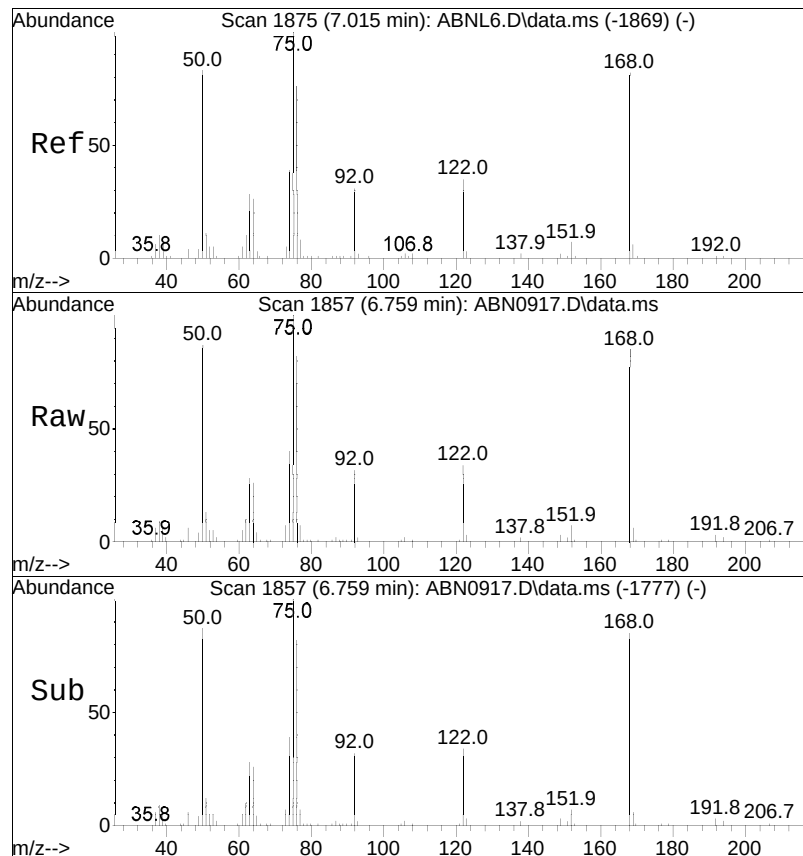




#48
 2-Nitroaniline
 Concen: 5.36 ug/ml
 RT: 6.619 min Scan# 1812
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

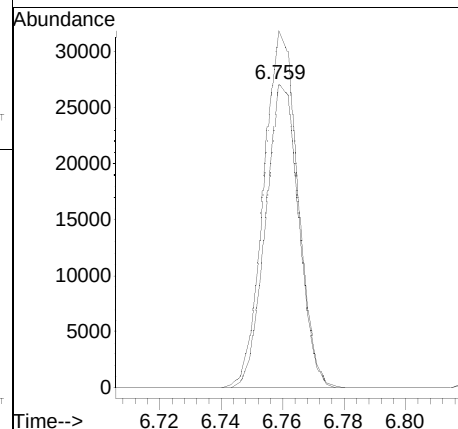
Tgt Ion:	138	Resp:	45517
Ion Ratio	Lower	Upper	
138	100		
92	56.5	53.5	80.3
65	80.8	86.3	129.5#

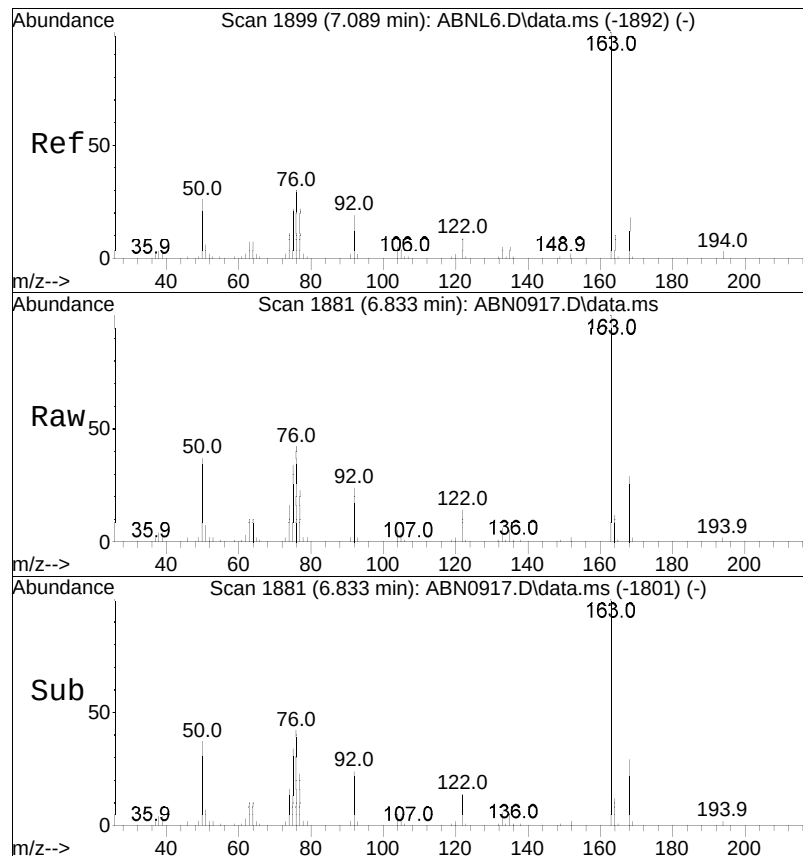




#49
 1,4-Dinitrobenzene
 Concen: 5.07 ug/ml M3
 RT: 6.759 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

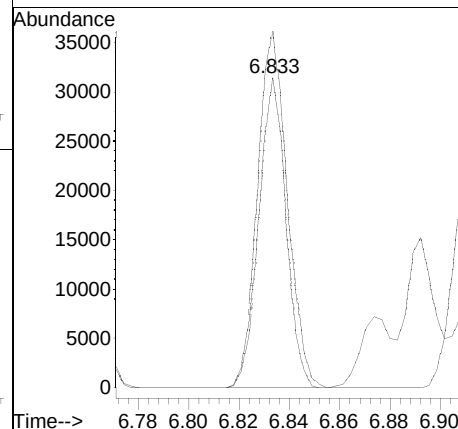
Tgt Ion:	168	Resp:	20256
Ion Ratio	Lower	Upper	
168	100		
75	146.5	121.8	182.8

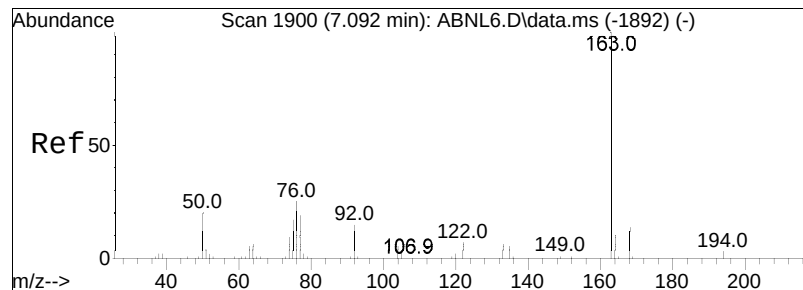




#50
 1,3-Dinitrobenzene
 Concen: 5.09 ug/ml M3
 RT: 6.833 min Scan# 1881
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

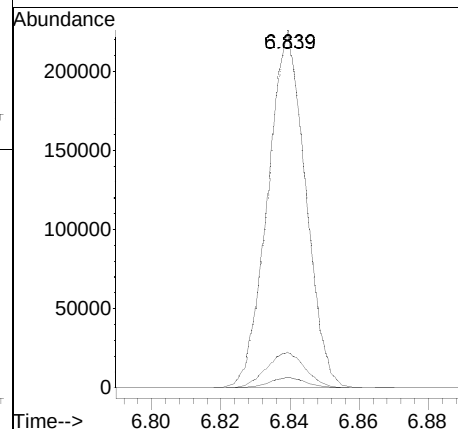
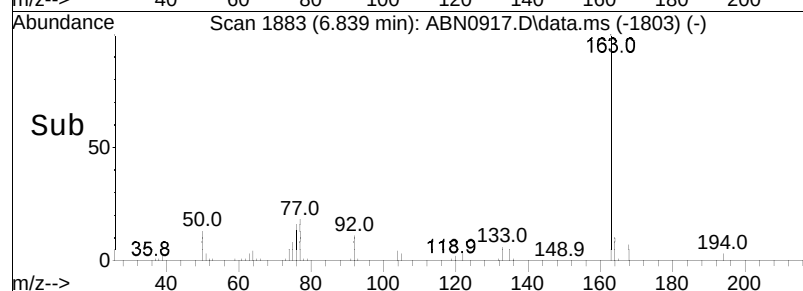
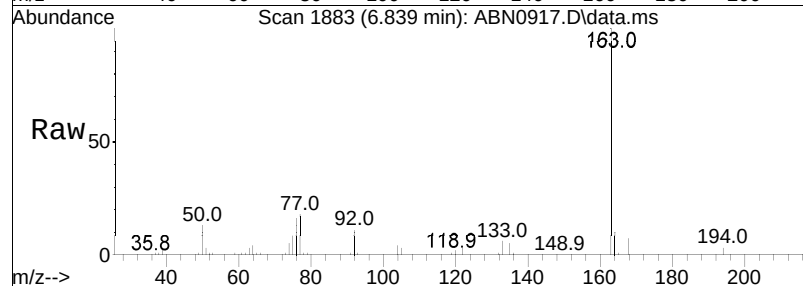
Tgt Ion	Ratio	Lower	Upper
168	100		
75	17.5	22.7	34.1#

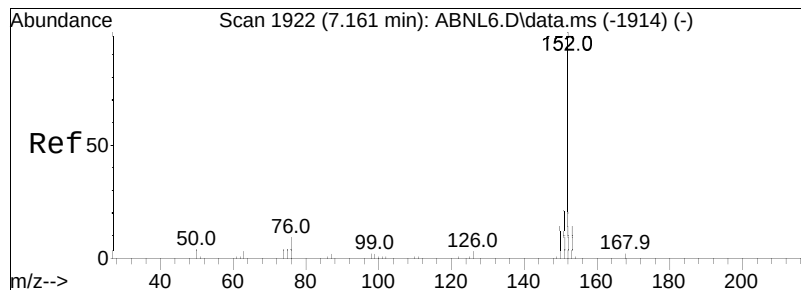




#51
 Dimethyl phthalate
 Concen: 4.79 ug/ml
 RT: 6.839 min Scan# 1883
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	3.5	5.3#
164	10.4	7.9	11.9





#52

Acenaphthylene

Concen: 4.94 ug/ml

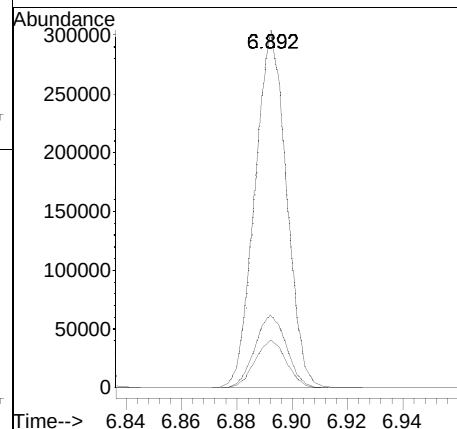
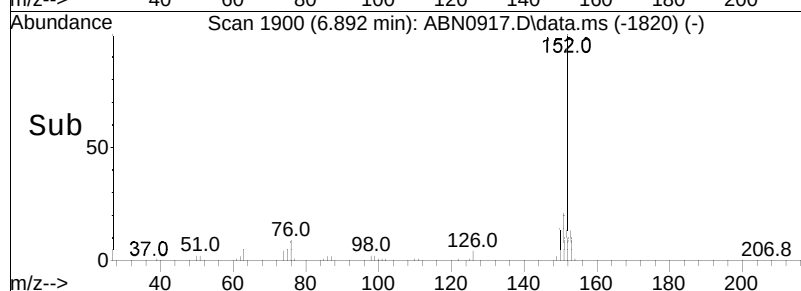
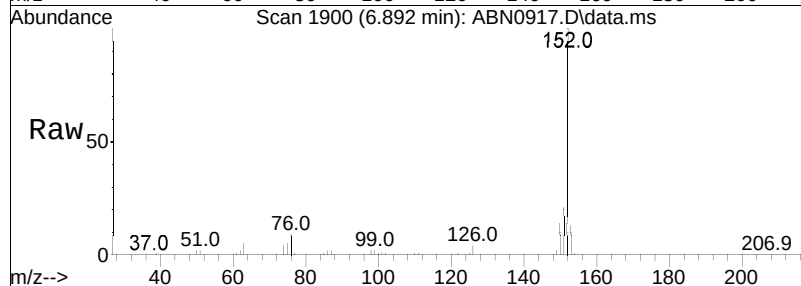
RT: 6.892 min Scan# 1900

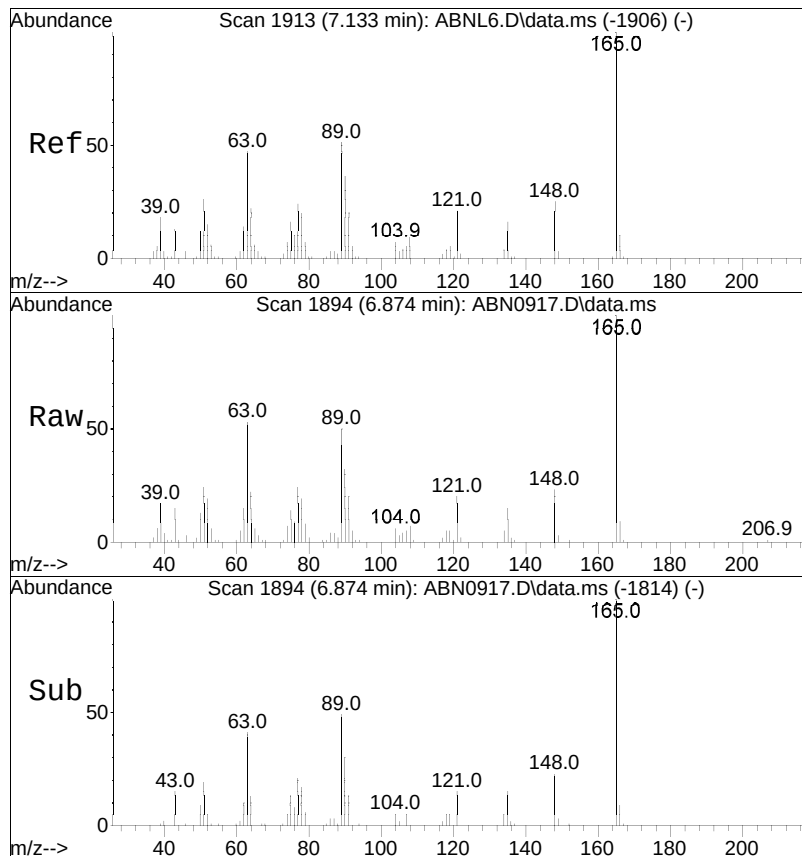
Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 9:51 am

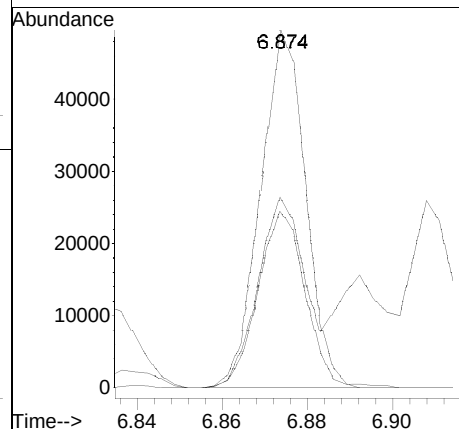
Tgt	Ion:152	Resp:	238255
Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.6
153	13.4	10.5	15.7

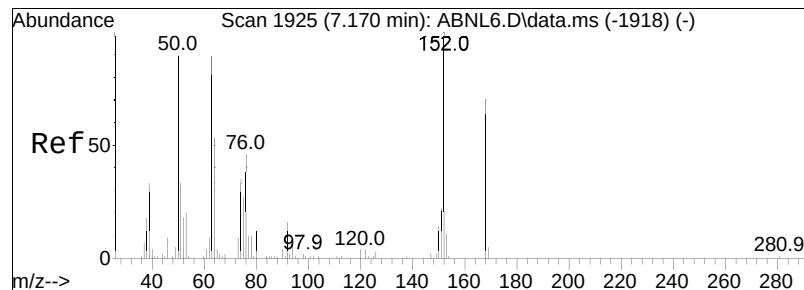




#53
 2,6-Dinitrotoluene
 Concen: 5.29 ug/ml
 RT: 6.874 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

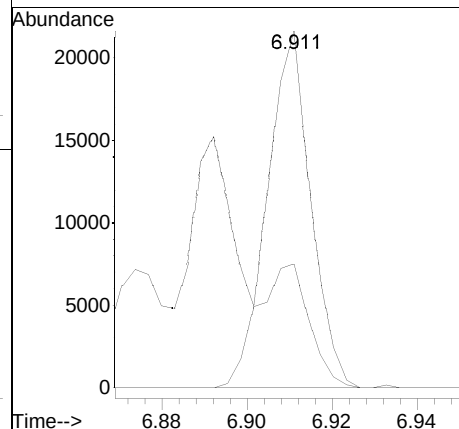
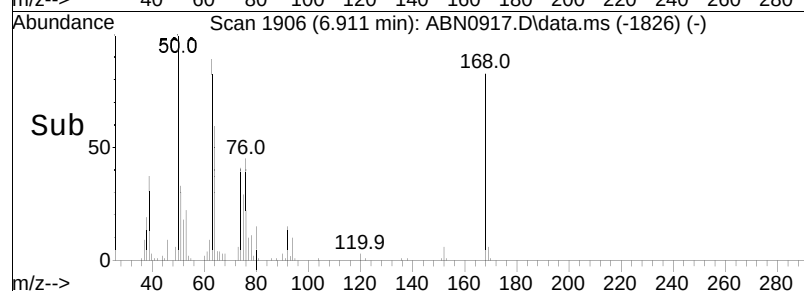
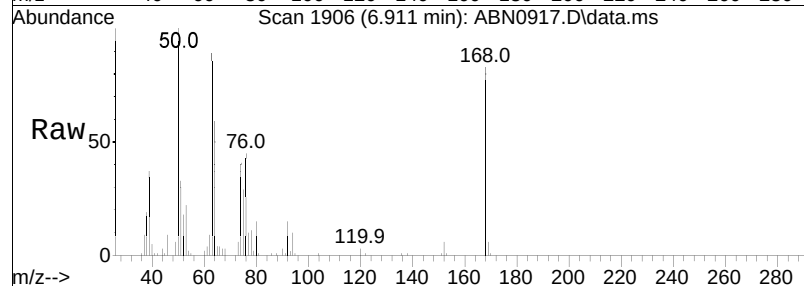
Tgt Ion:	165	Resp:	36425
Ion Ratio	Lower	Upper	
165	100		
89	52.0	54.2	81.2#
63	56.1	64.2	96.2#

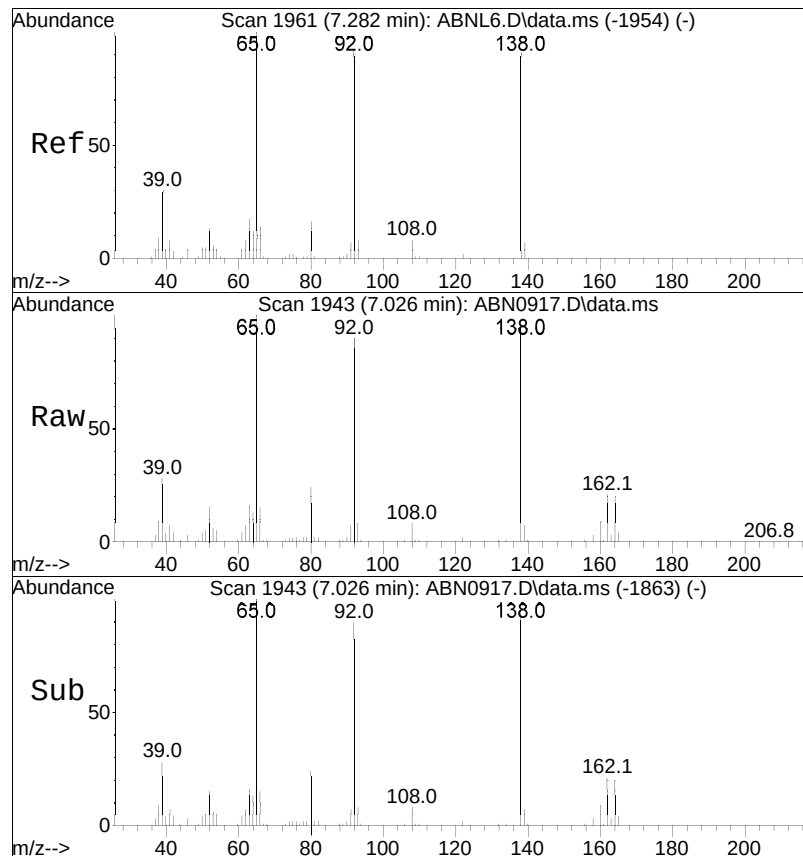




#54
 1,2-Dinitrobenzene
 Concen: 5.10 ug/ml
 RT: 6.911 min Scan# 1906
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

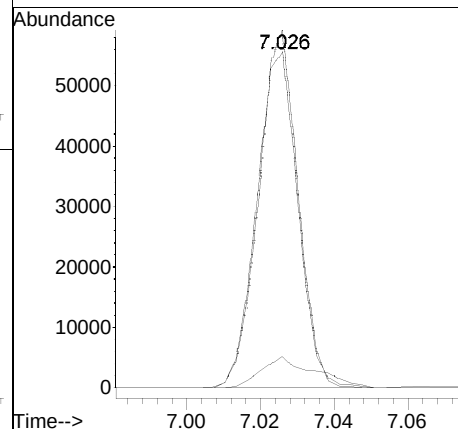
Tgt Ion	Ratio	Lower	Upper
168	100		
75	26.8	30.9	46.3#

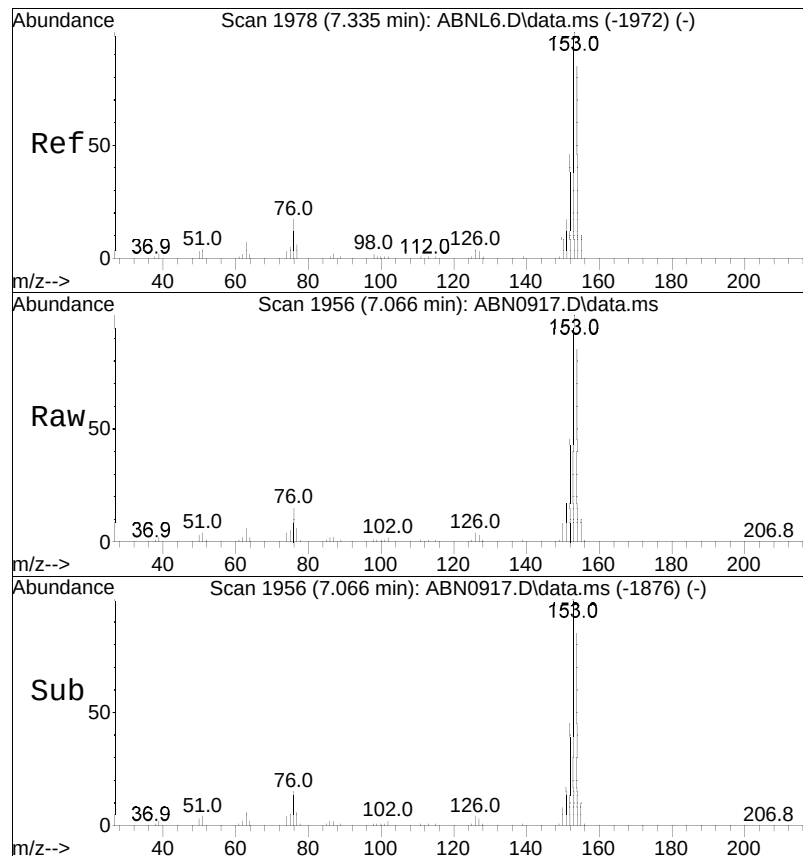




#64
 3-Nitroaniline
 Concen: 5.04 ug/ml
 RT: 7.026 min Scan# 1943
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

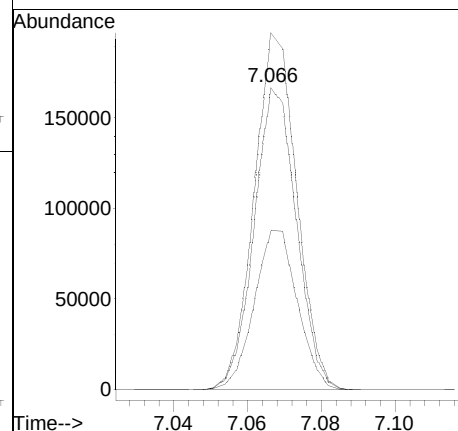
Tgt Ion:	138	Resp:	43268
Ion Ratio	Lower	Upper	
138	100		
92	98.5	93.4	140.2
108	12.0	9.5	14.3

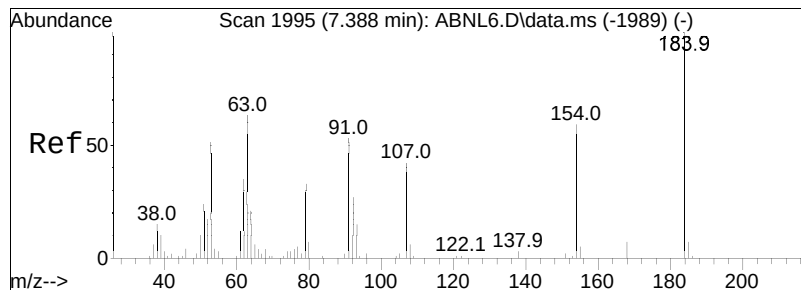




#65
 Acenaphthene
 Concen: 4.64 ug/ml
 RT: 7.066 min Scan# 1956
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

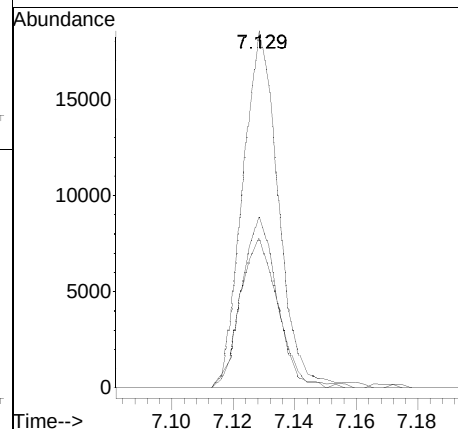
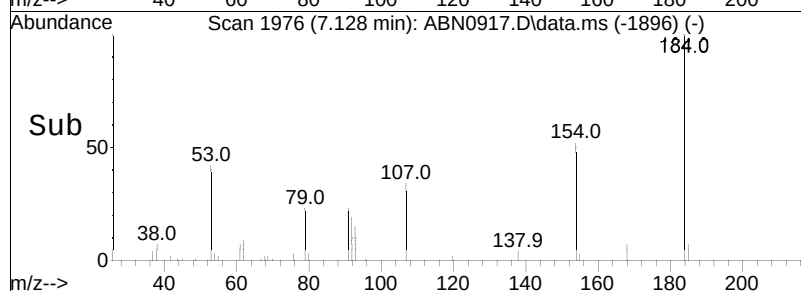
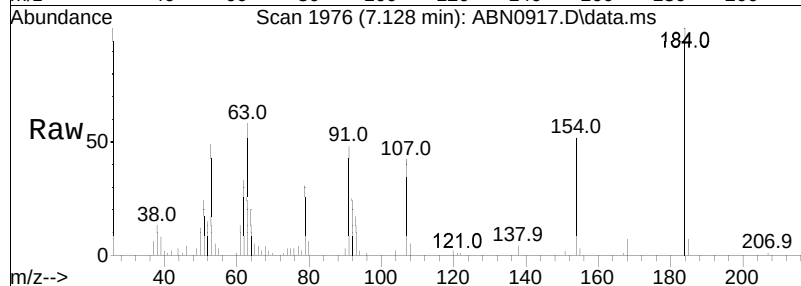
Tgt	Ion:154	Resp:	132415
Ion	Ratio	Lower	Upper
154	100		
153	119.1	85.3	127.9
152	54.4	41.4	62.0

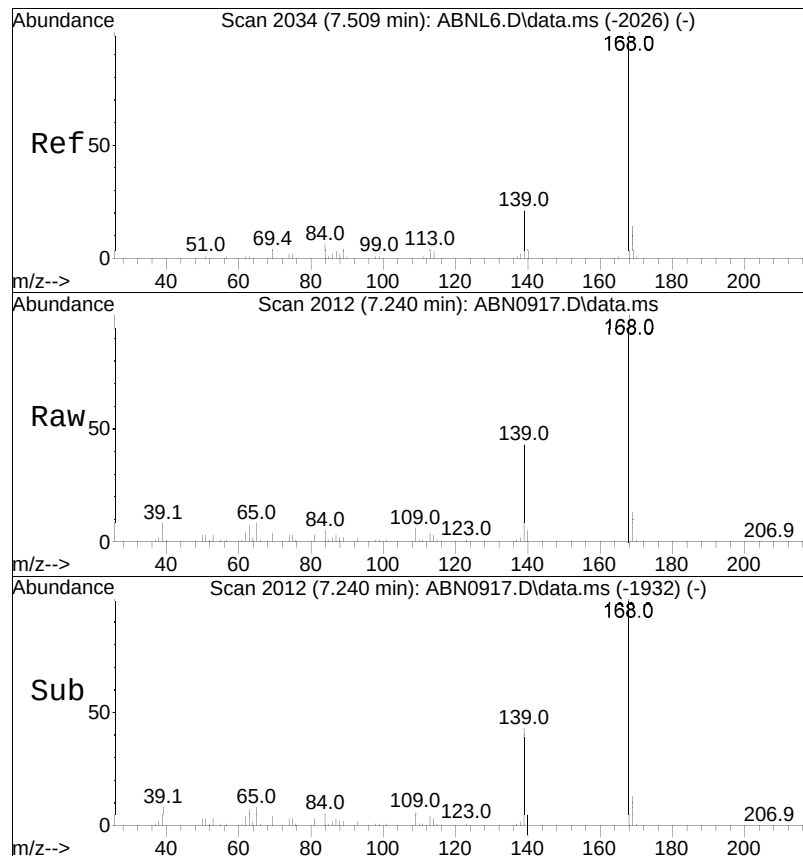




#66
 2,4-Dinitrophenol
 Concen: 3.61 ug/ml
 RT: 7.128 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

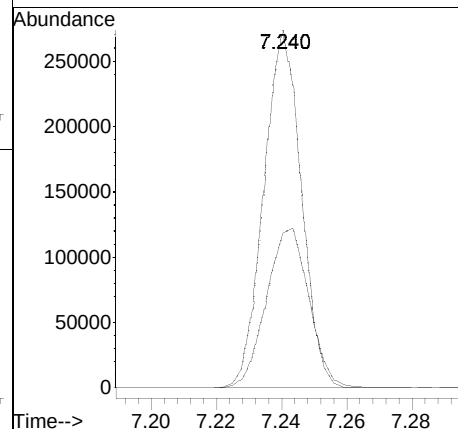
Tgt Ion	Ratio	Lower	Upper
184	100		
107	43.7	37.7	56.5
91	48.3	46.3	69.5

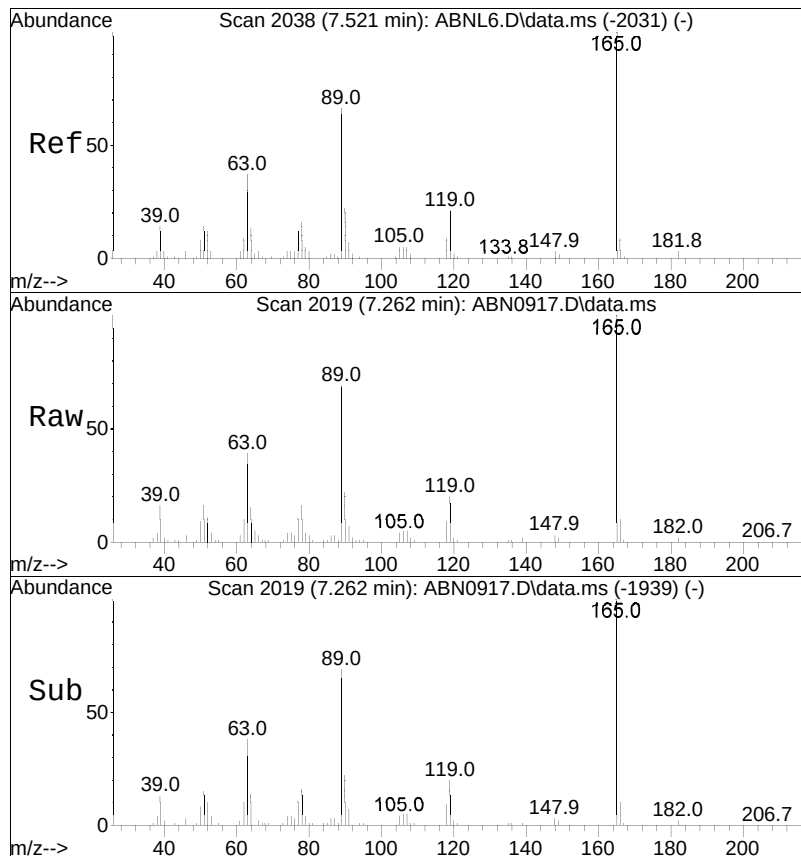




#67
 Dibenzofuran
 Concen: 4.67 ug/ml
 RT: 7.240 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

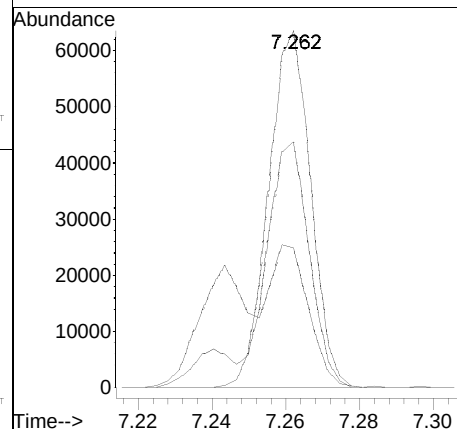
Tgt	Ion	Ratio	Lower	Upper
168	100			
139	51.0	31.4	47.2#	

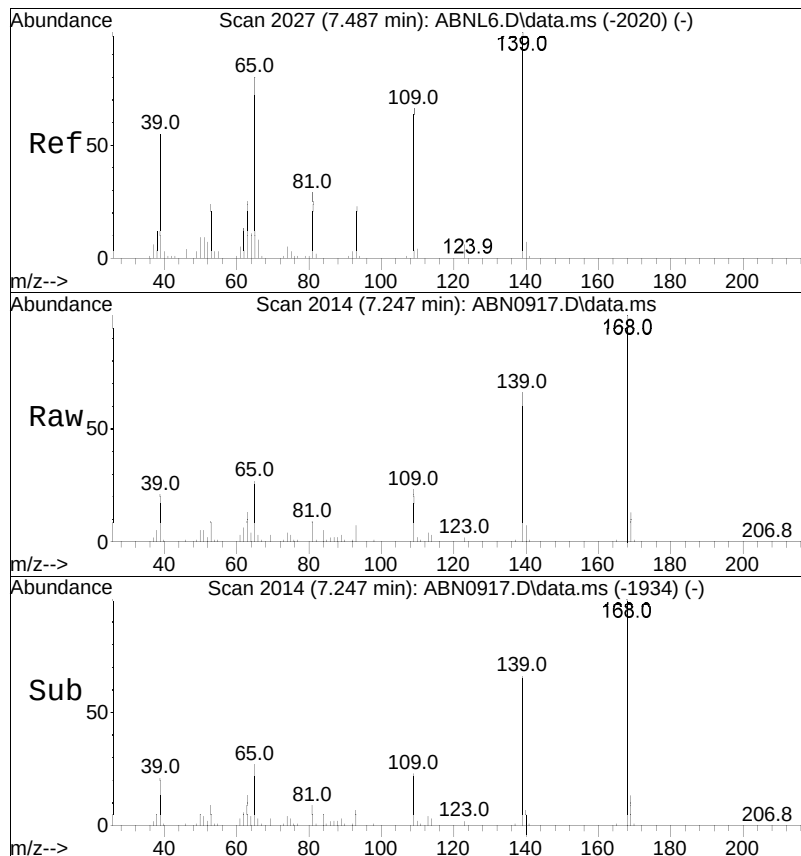




#68
 2,4-Dinitrotoluene
 Concen: 5.19 ug/ml
 RT: 7.262 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

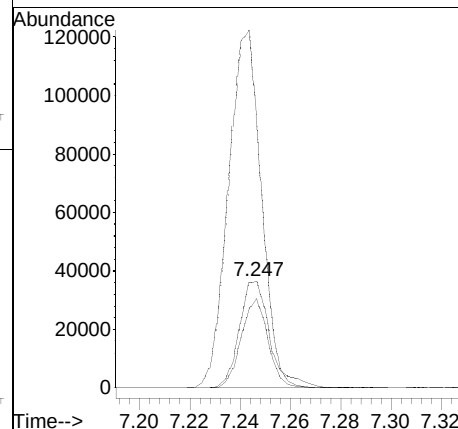
Tgt	Ion	Ratio	Resp	Lower	Upper
165	100		50111		
89	68.9	72.0		108.0#	
63	36.4	52.7		79.1#	

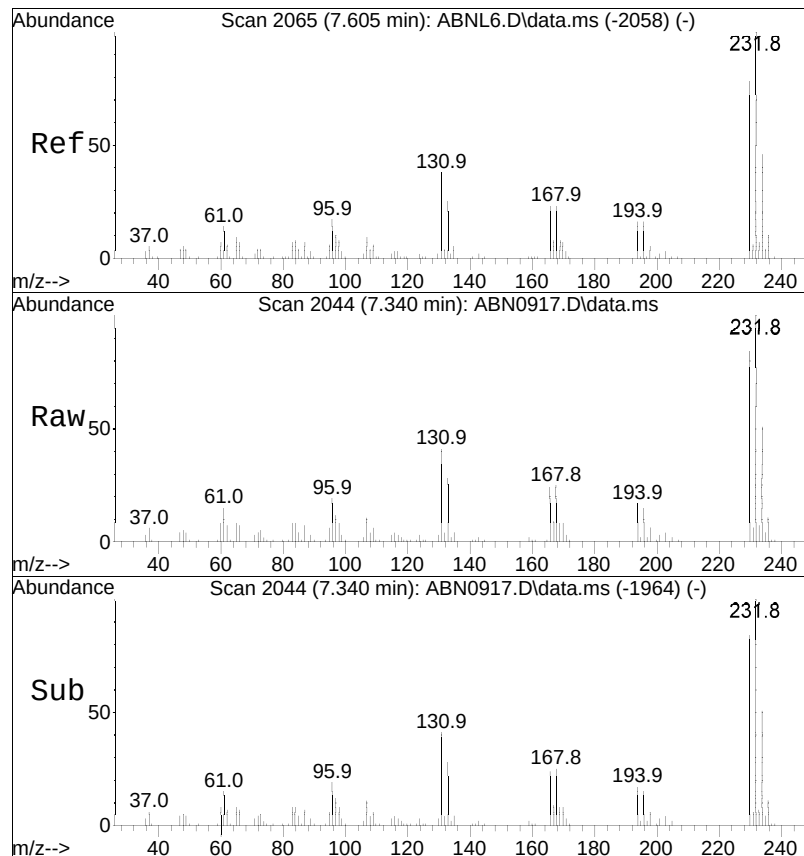




#69
 4-Nitrophenol
 Concen: 5.20 ug/ml
 RT: 7.247 min Scan# 2014
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

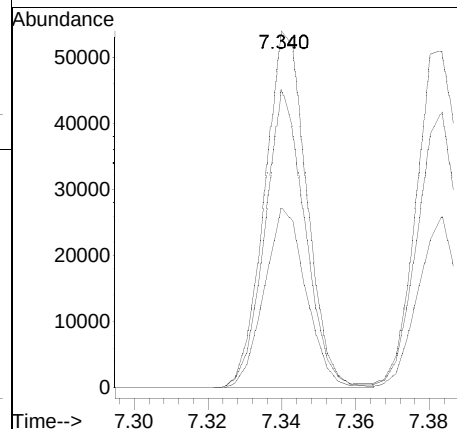
Tgt Ion:	65	Resp:	31116
Ion Ratio	Lower	Upper	
65	100		
109	73.1	47.4	71.2#
139	353.8	76.6	115.0#

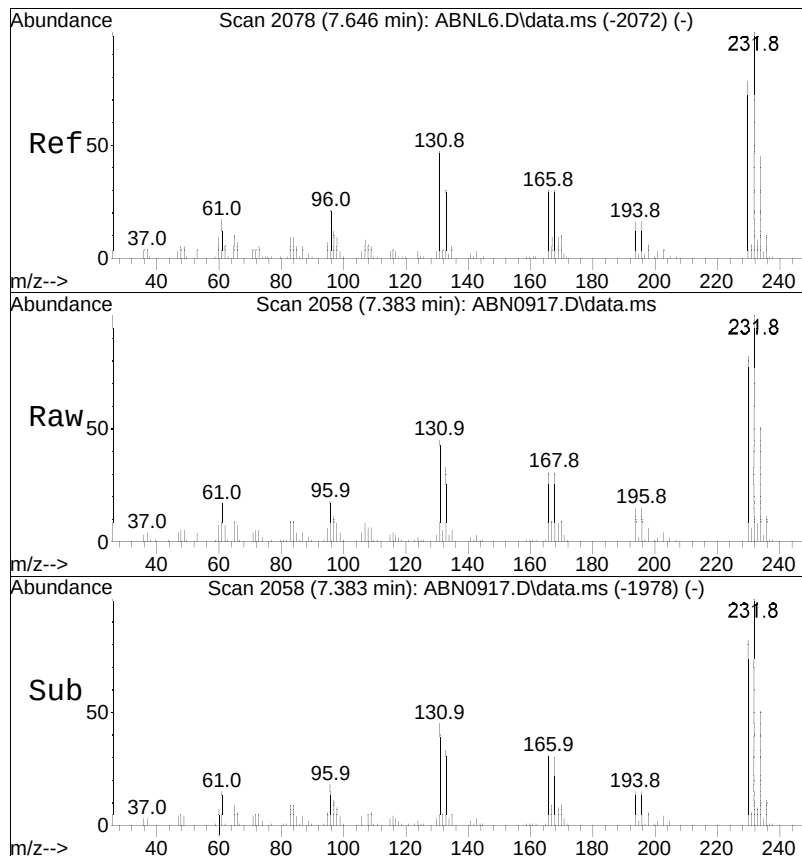




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 5.04 ug/ml
 RT: 7.340 min Scan# 2044
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

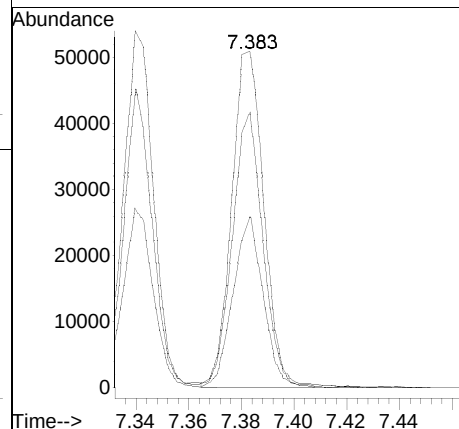
Tgt Ion:	232	Resp:	42966
Ion Ratio	Lower	Upper	
232	100		
230	79.2	64.2	96.4
234	50.1	38.1	57.1

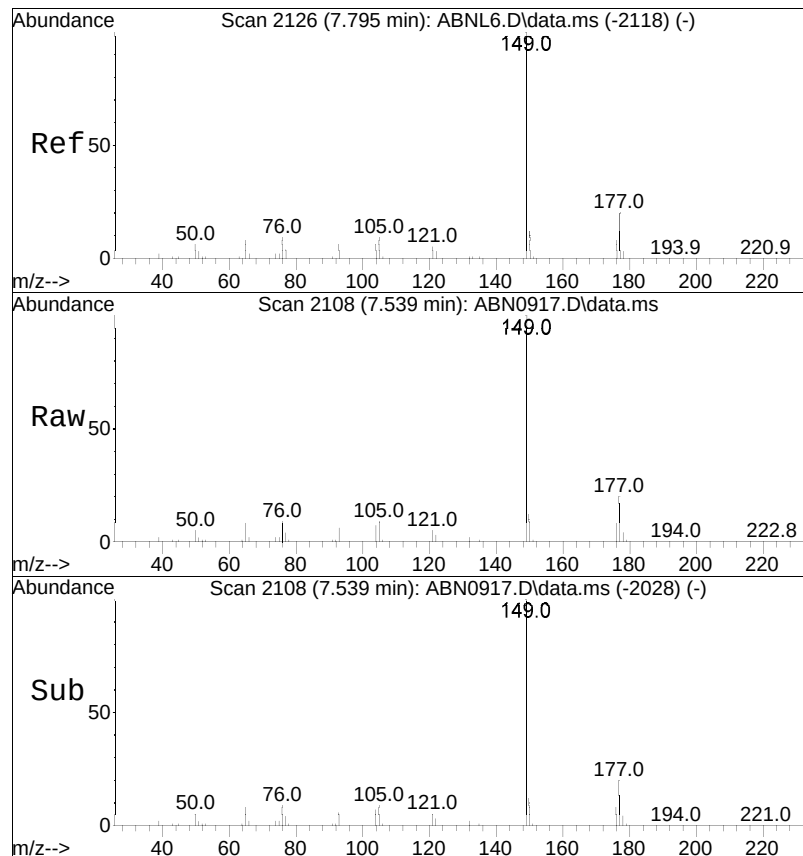




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 5.18 ug/ml
 RT: 7.383 min Scan# 2058
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

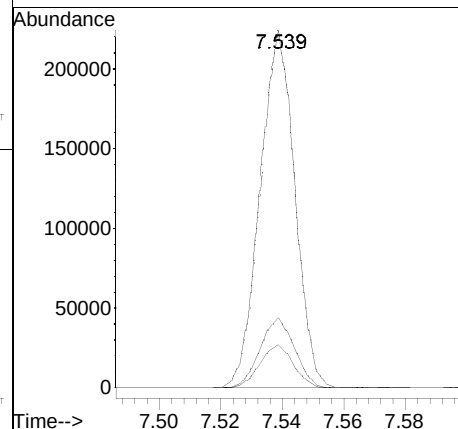
Tgt Ion	Ratio	Lower	Upper
232	100		
230	79.3	61.8	92.8
234	48.3	36.2	54.2

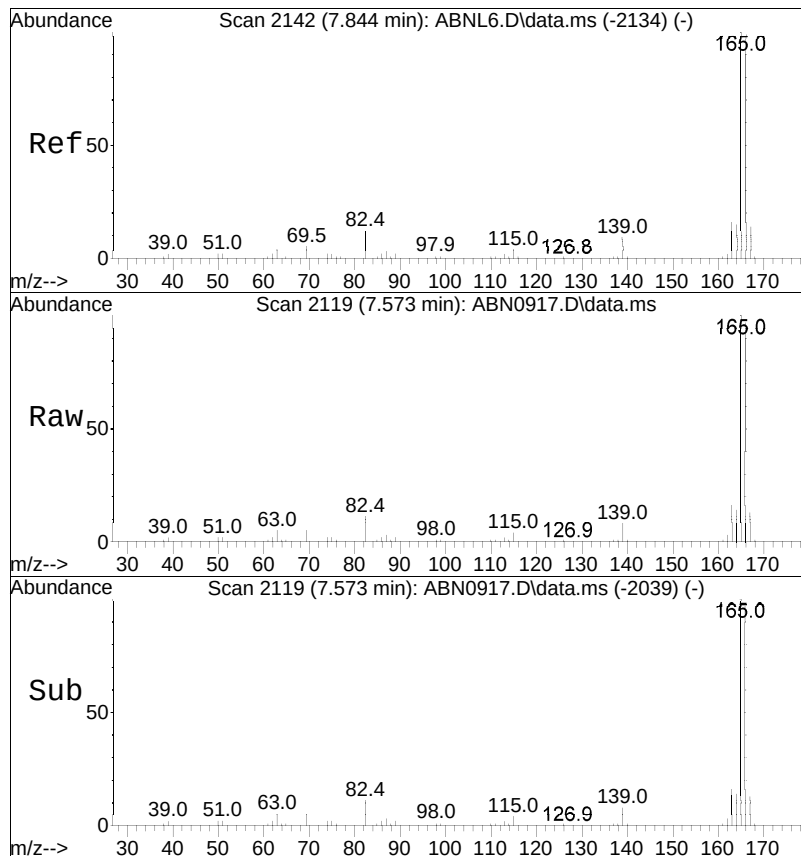




#72
 Diethyl phthalate
 Concen: 4.56 ug/ml
 RT: 7.539 min Scan# 2108
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

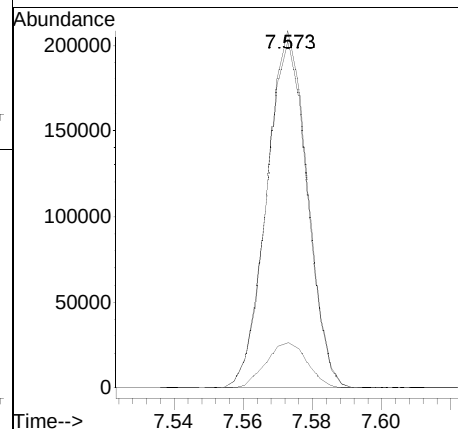
Tgt	Ion	Ratio	Resp	Lower	Upper
149	100		173791		
177	19.6			16.1	24.1
150	11.9			9.4	14.2

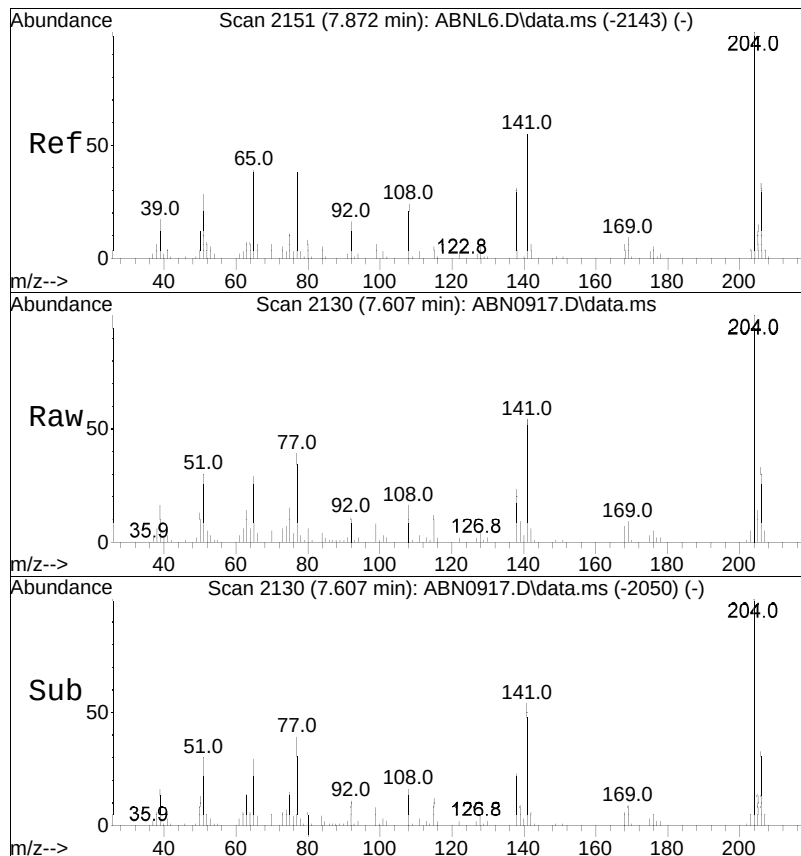




#73
 Fluorene
 Concen: 4.53 ug/ml
 RT: 7.573 min Scan# 2119
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

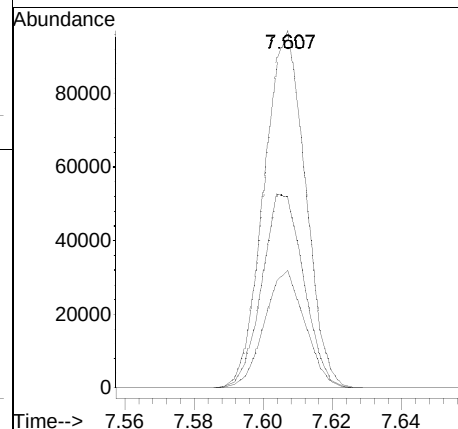
Tgt Ion:	166	Resp:	164513
Ion Ratio	Lower	Upper	
166	100		
165	103.3	76.2	114.2
167	13.5	10.6	15.8

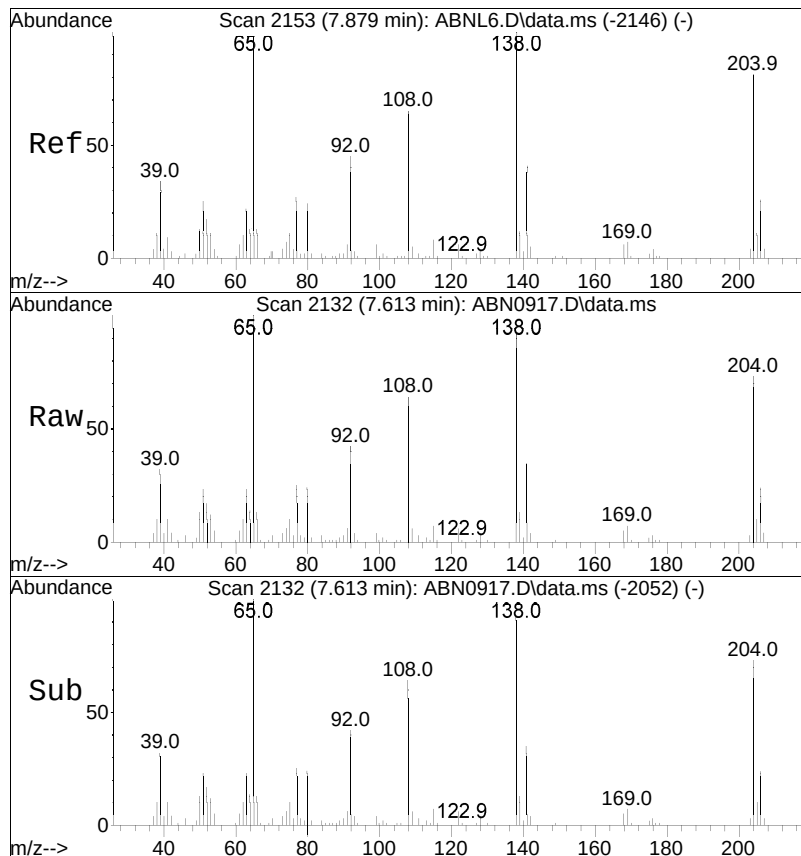




#74
 4-Chlorophenyl phenyl ether
 Concen: 4.64 ug/ml
 RT: 7.607 min Scan# 2130
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

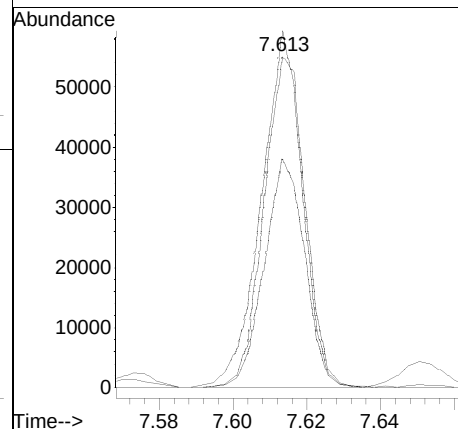
Tgt Ion:	204	Resp:	80190
Ion Ratio	Lower	Upper	
204	100		
206	32.3	25.8	38.6
141	54.9	53.6	80.4

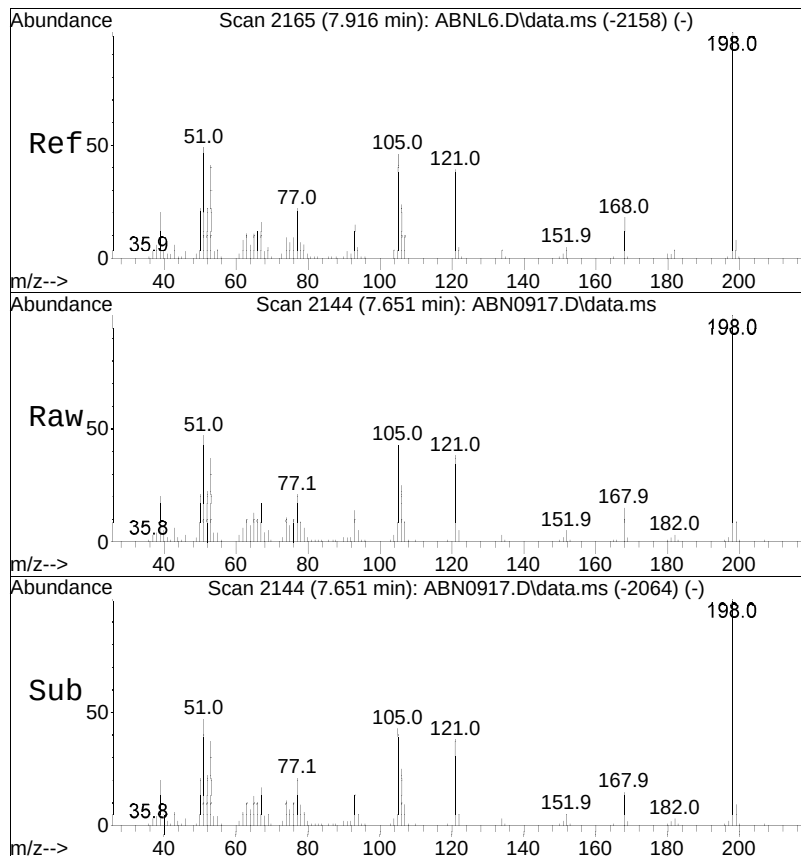




#75
 4-Nitroaniline
 Concen: 5.01 ug/ml
 RT: 7.613 min Scan# 2132
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

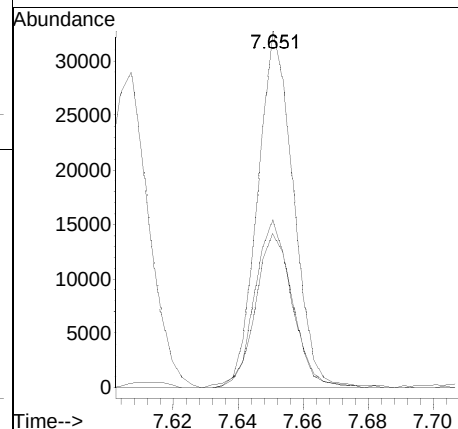
Tgt Ion	Ratio	Lower	Upper
138	100		
108	68.1	52.1	78.1
65	107.4	115.0	172.6#

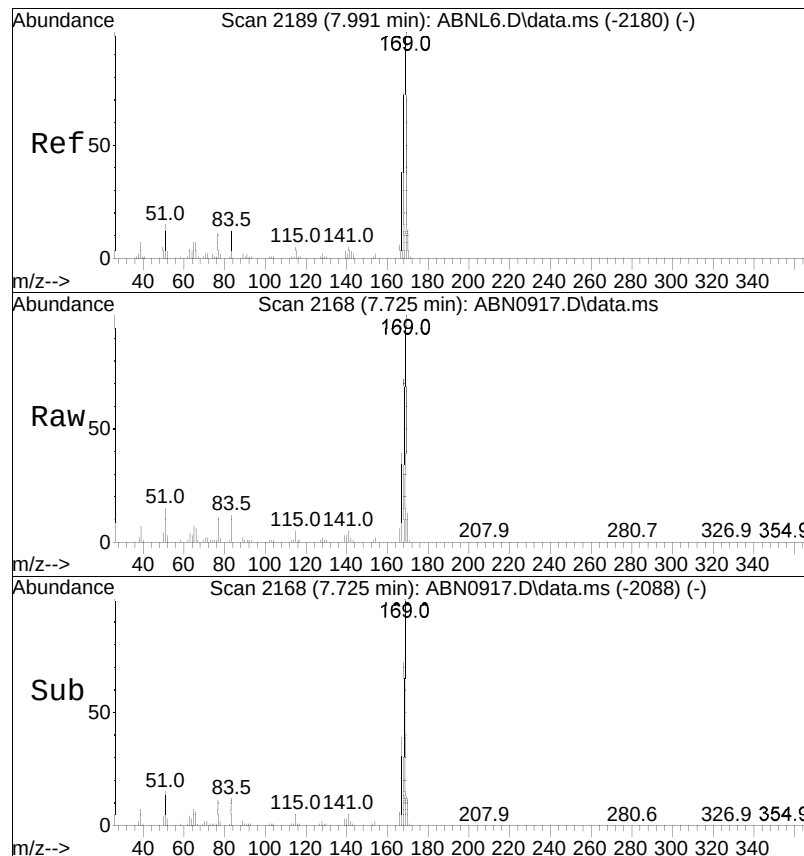




#76
 4,6-Dinitro-o-cresol
 Concen: 4.65 ug/ml
 RT: 7.651 min Scan# 2144
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

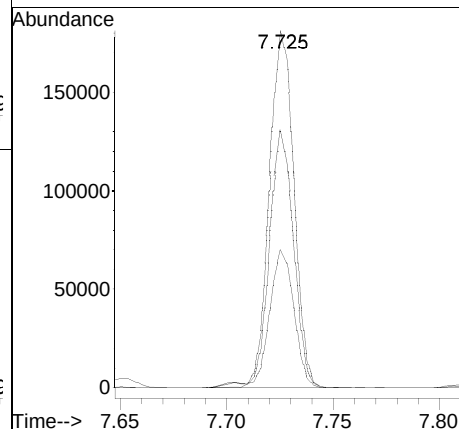
Tgt Ion:	198	Resp:	24978
Ion Ratio	Lower	Upper	
198	100		
51	49.2	76.0	114.0#
105	45.8	45.6	68.4

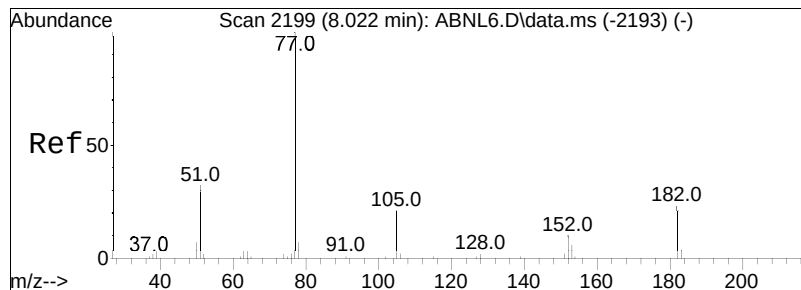




#77
 NDPA/DPA
 Concen: 4.77 ug/ml
 RT: 7.725 min Scan# 2168
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

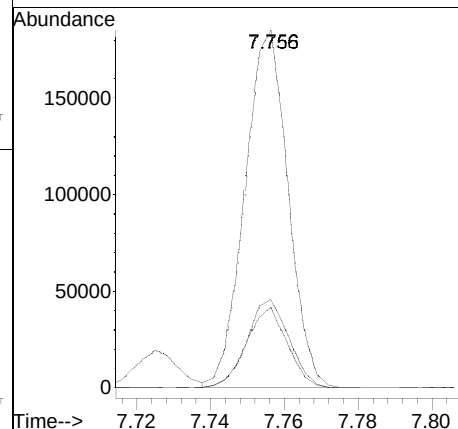
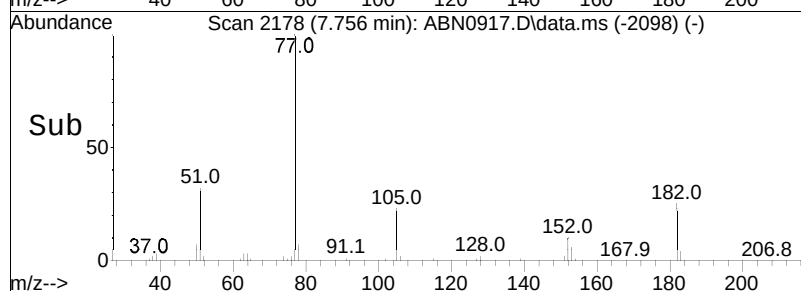
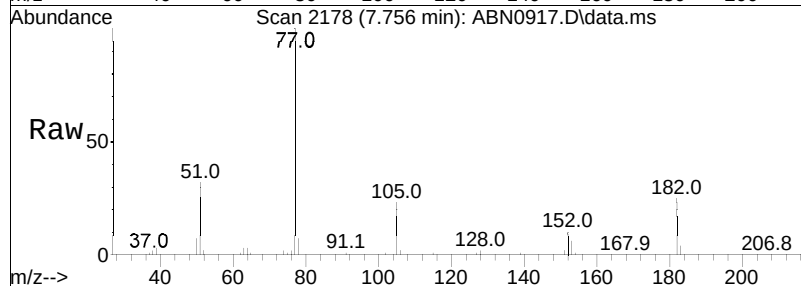
Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.8	54.0	81.0
167	39.4	28.6	42.8

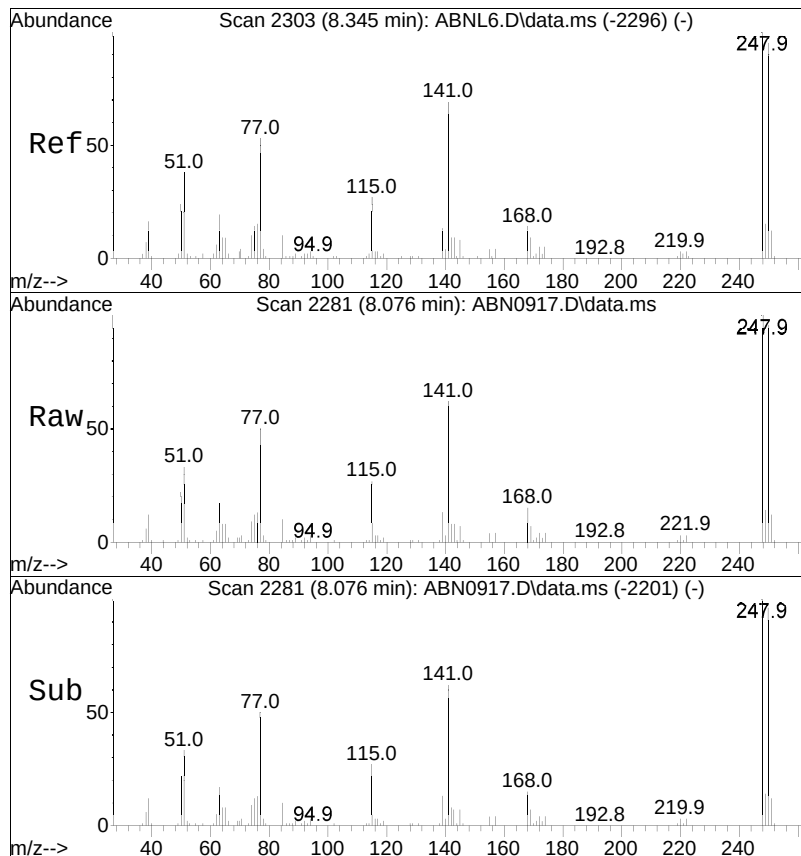




#78
 Azobenzene
 Concen: 4.66 ug/ml
 RT: 7.756 min Scan# 2178
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

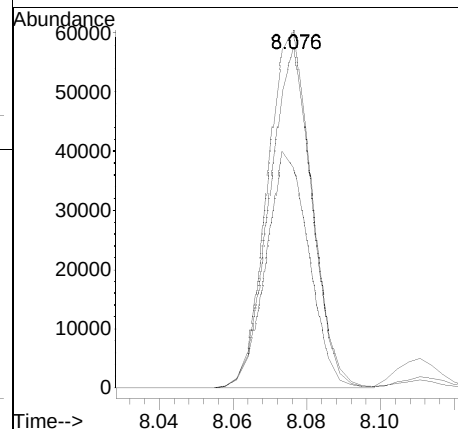
Tgt Ion:	77	Resp:	148962
Ion Ratio	Lower	Upper	
77	100		
182	24.3	17.4	26.2
105	21.6	15.4	23.2

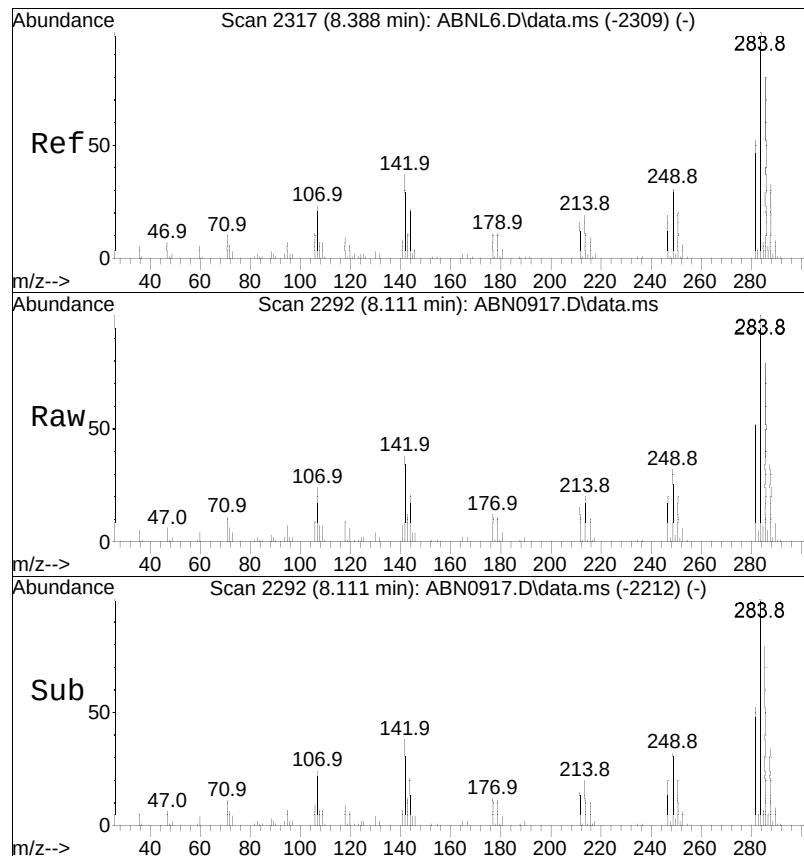




#80
 4-Bromophenyl phenyl ether
 Concen: 4.71 ug/ml
 RT: 8.076 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

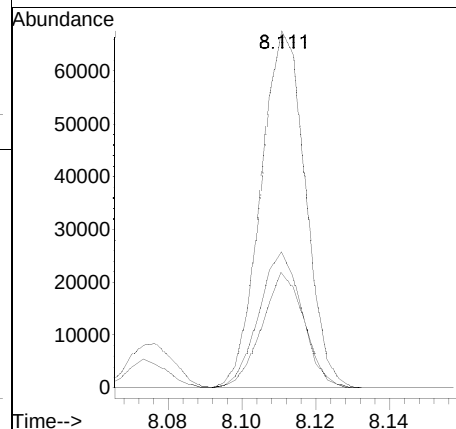
Tgt	Ion	Ratio	Resp	Lower	Upper
248	100		50132		
141	64.2		76.6	114.8#	
250	91.2		77.3	115.9	

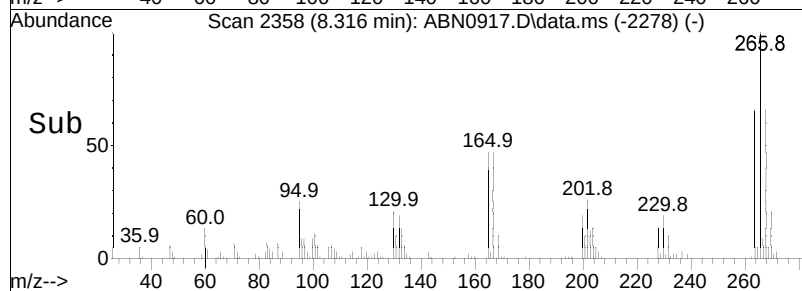
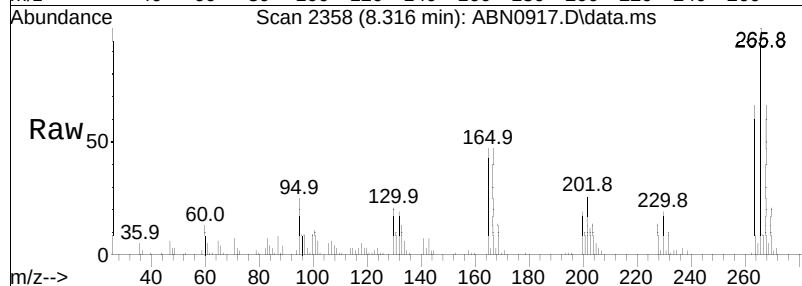
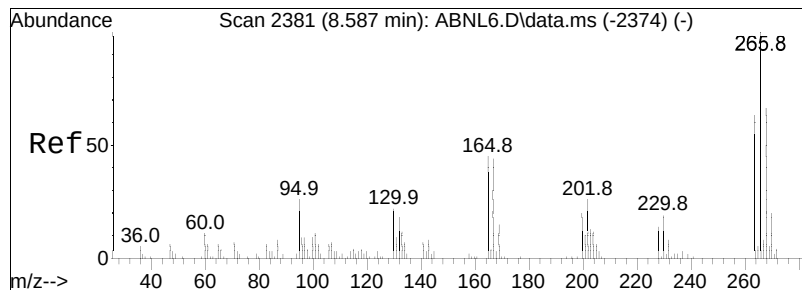




#81
 Hexachlorobenzene
 Concen: 4.75 ug/ml
 RT: 8.111 min Scan# 2292
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

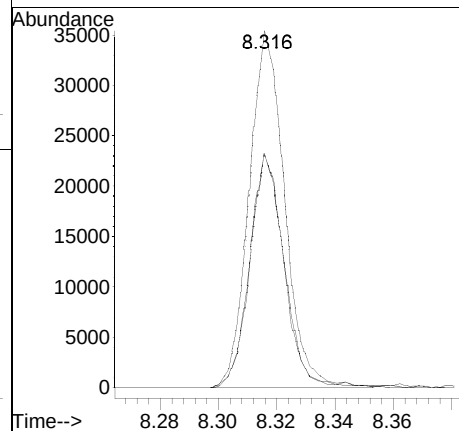
Tgt	Ion:284	Resp:	56666
Ion	Ratio	Lower	Upper
284	100		
142	37.3	41.9	62.9#
249	30.7	24.1	36.1

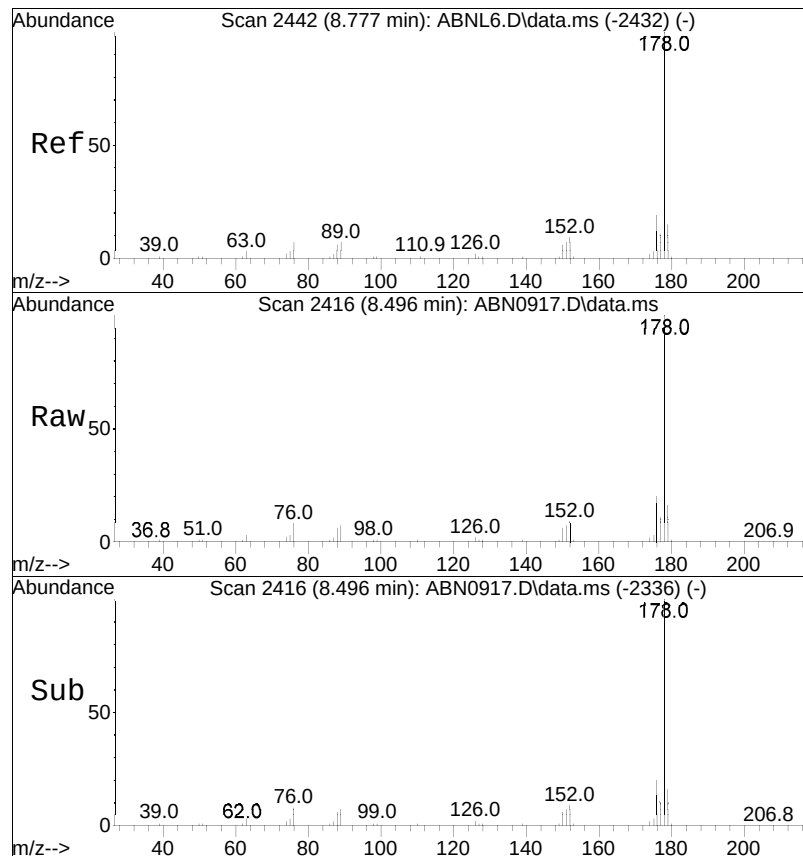




#82
 Pentachlorophenol
 Concen: 4.27 ug/ml
 RT: 8.316 min Scan# 2358
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

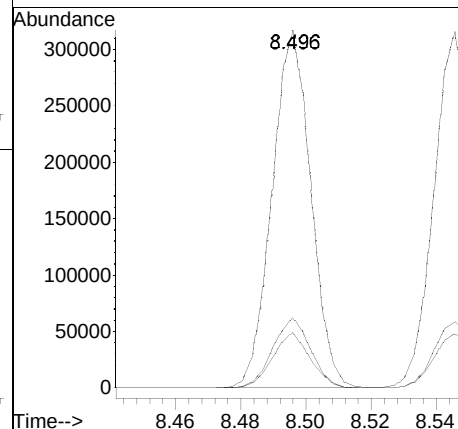
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	29997		
264	63.4		49.7	74.5
268	63.8		50.5	75.7

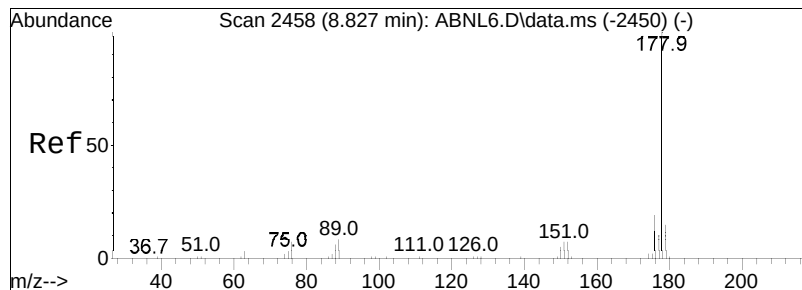




#89
 Phenanthrene
 Concen: 4.48 ug/ml
 RT: 8.496 min Scan# 2416
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

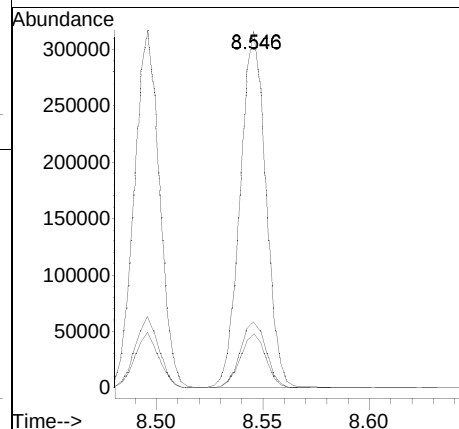
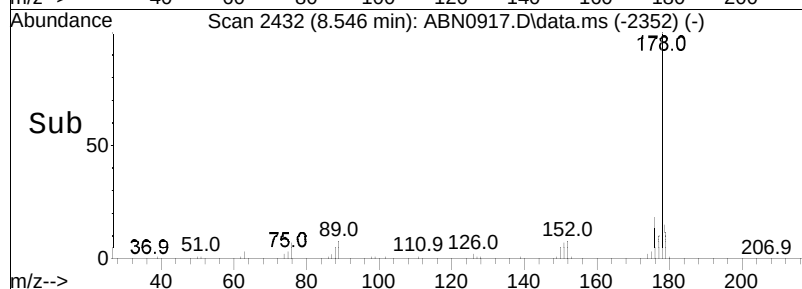
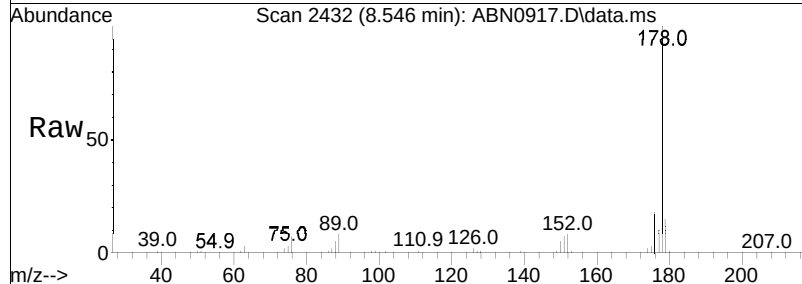
Tgt Ion:	178	Resp:	261396
Ion Ratio	Lower	Upper	
178	100		
179	14.9	12.2	18.2
176	19.1	15.4	23.2

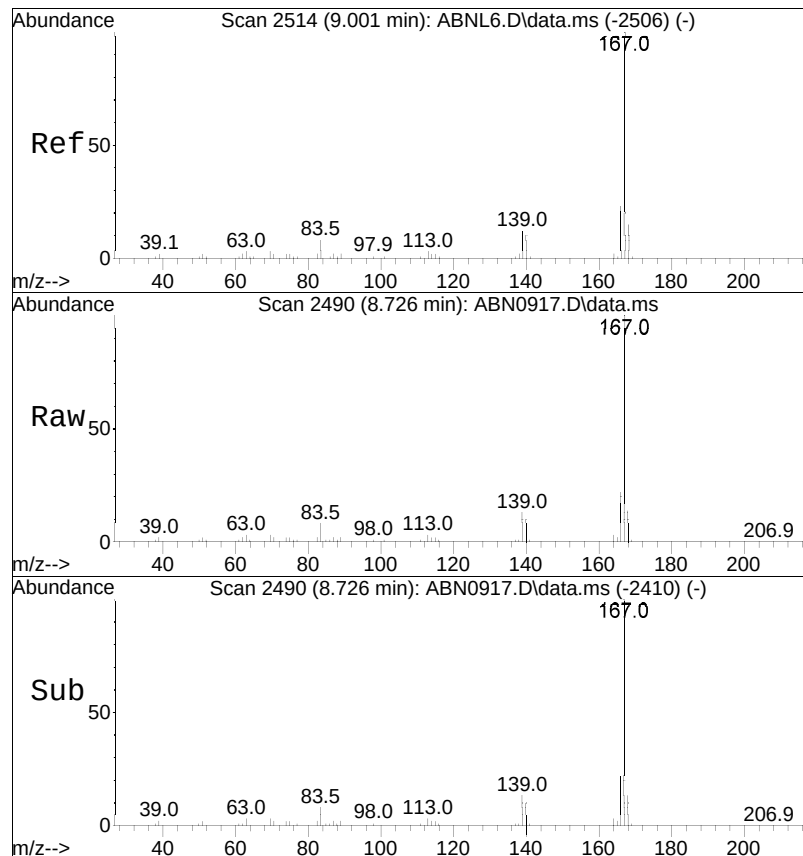




#90
 Anthracene
 Concen: 4.65 ug/ml
 RT: 8.546 min Scan# 2432
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

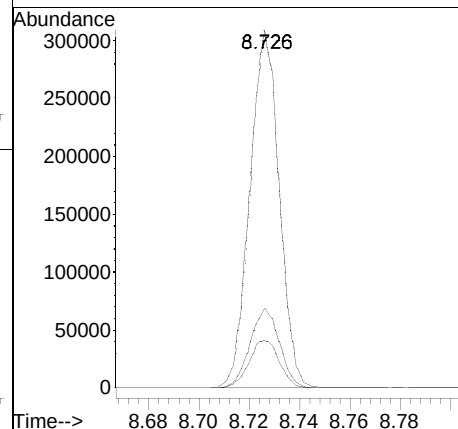
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.0	18.0
176	18.7	14.6	22.0

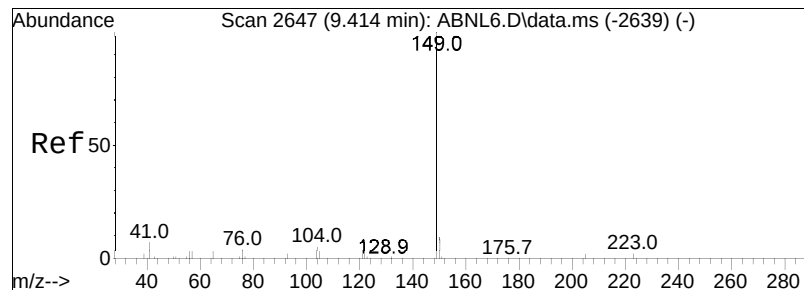




#91
 Carbazole
 Concen: 4.72 ug/ml
 RT: 8.726 min Scan# 2490
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

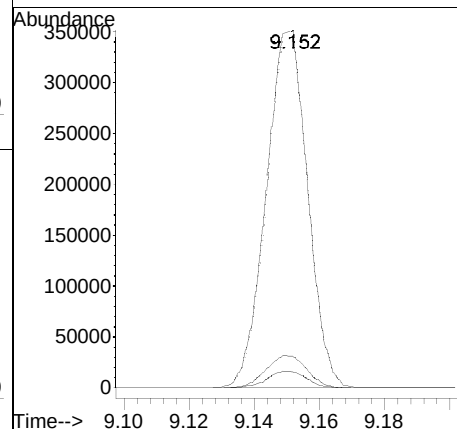
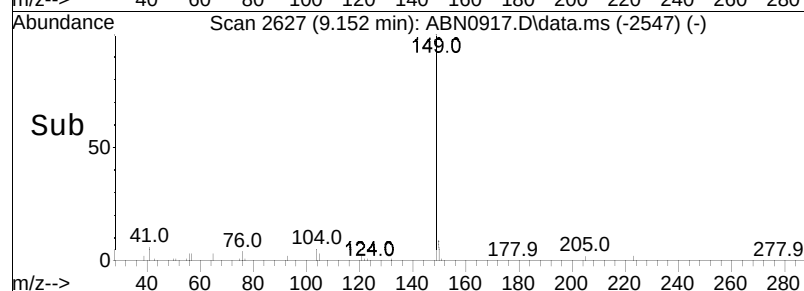
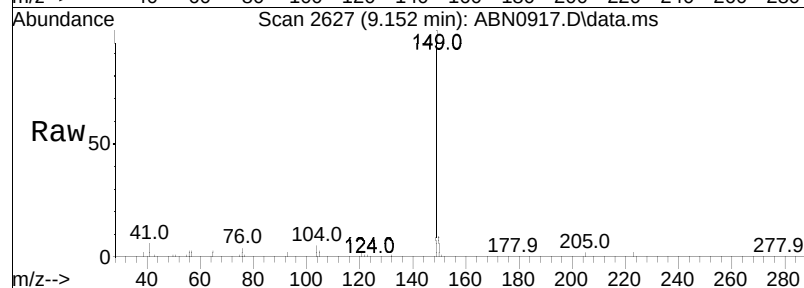
Tgt Ion:	167	Resp:	247886
Ion Ratio	Lower	Upper	
167	100		
168	13.7	10.6	15.8
166	22.3	17.4	26.0

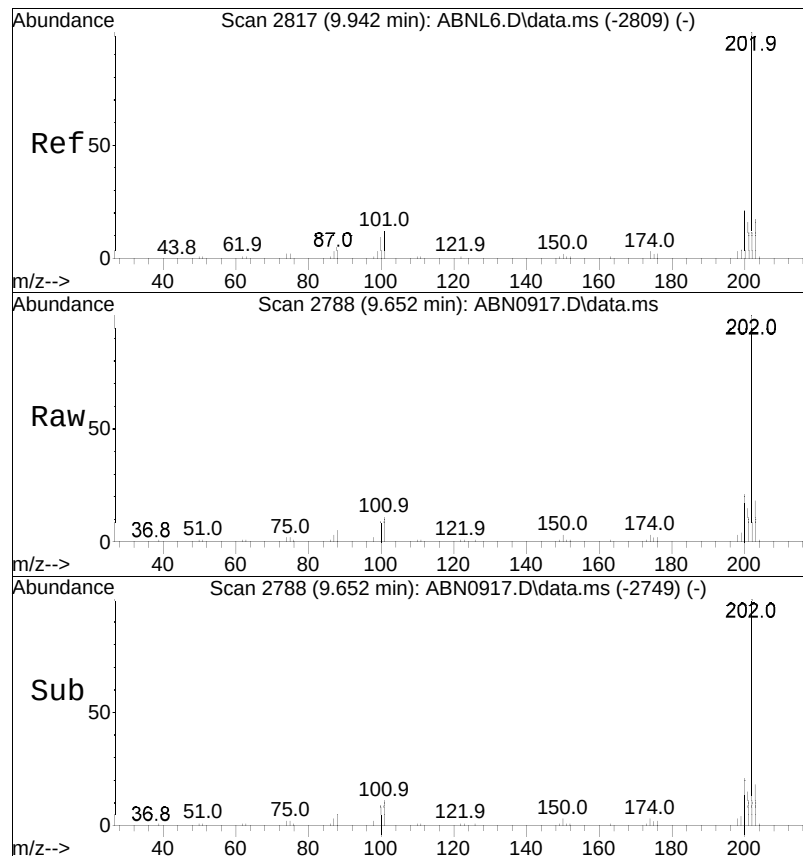




#92
 Di-n-butylphthalate
 Concen: 4.98 ug/ml
 RT: 9.152 min Scan# 2627
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

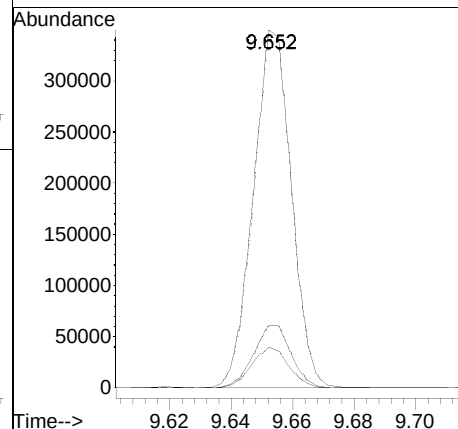
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.0	10.6
104	4.6	4.5	6.7

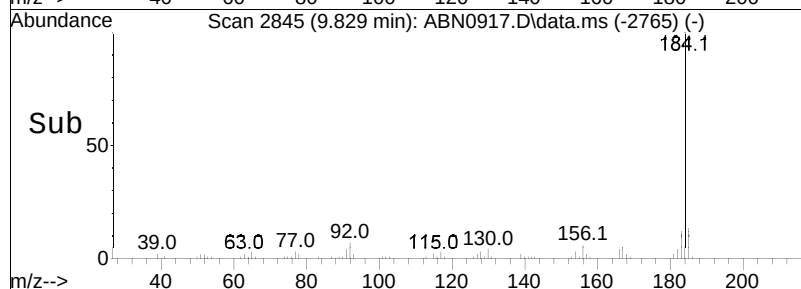
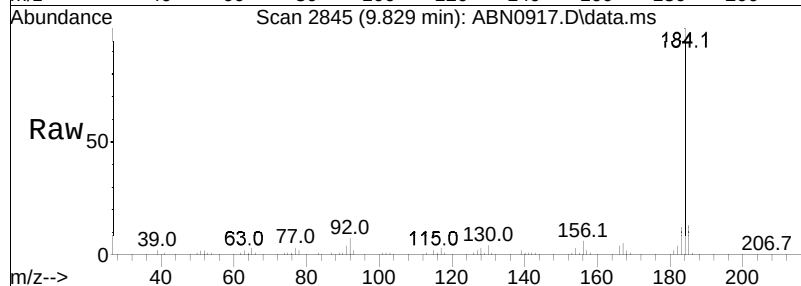
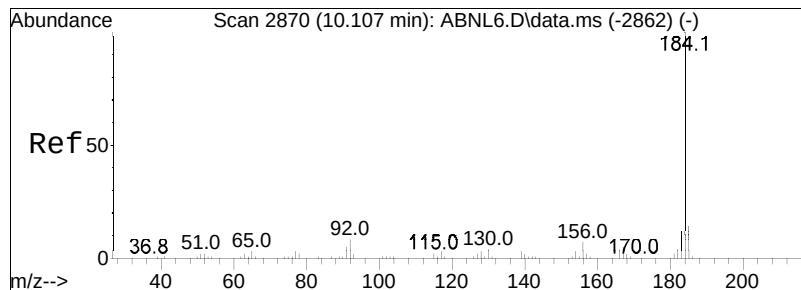




#93
 Fluoranthene
 Concen: 4.72 ug/ml
 RT: 9.652 min Scan# 2788
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		297298		
101	11.3	13.5	20.3#		
203	17.4	13.6	20.4		





#94

Benzidine

Concen: 5.04 ug/ml

RT: 9.829 min Scan# 2845

Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 9:51 am

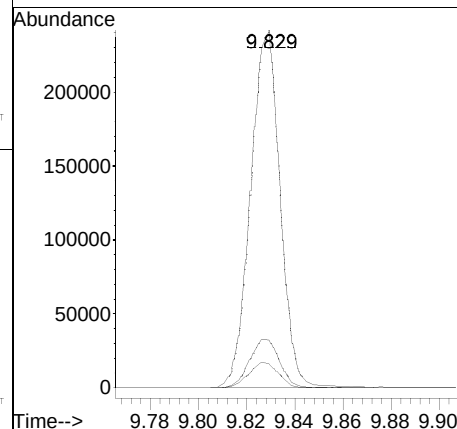
Tgt Ion:184 Resp: 203468

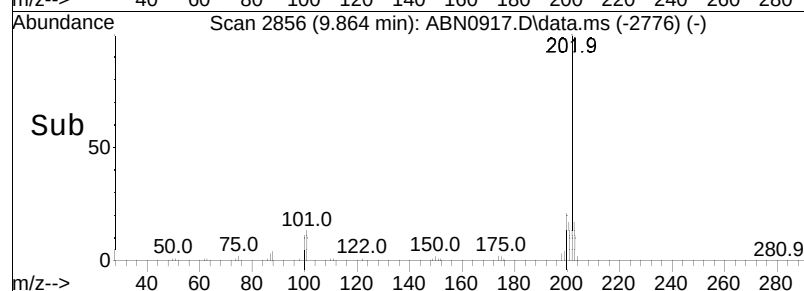
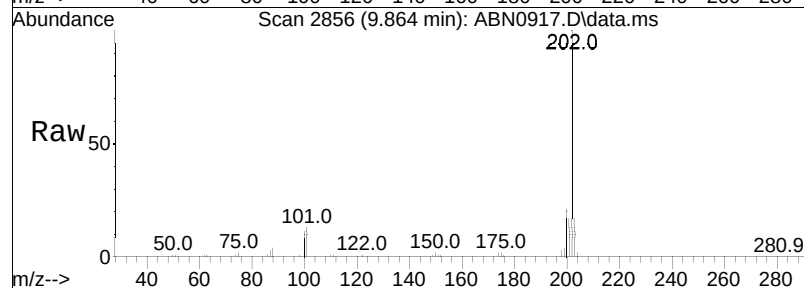
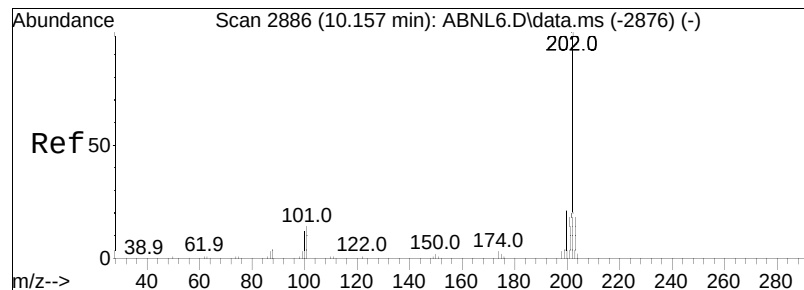
Ion Ratio Lower Upper

184 100

92 7.2 9.1 13.7#

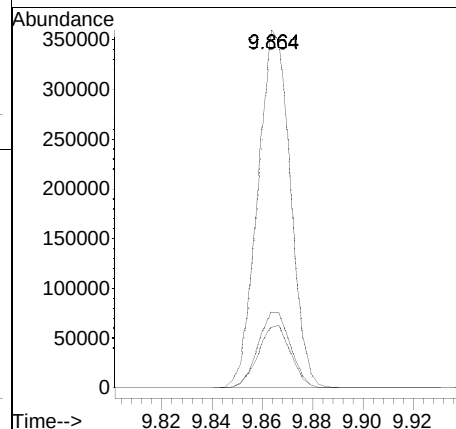
185 14.0 11.1 16.7

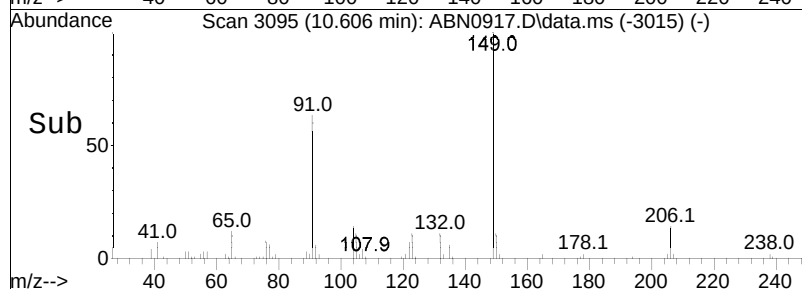
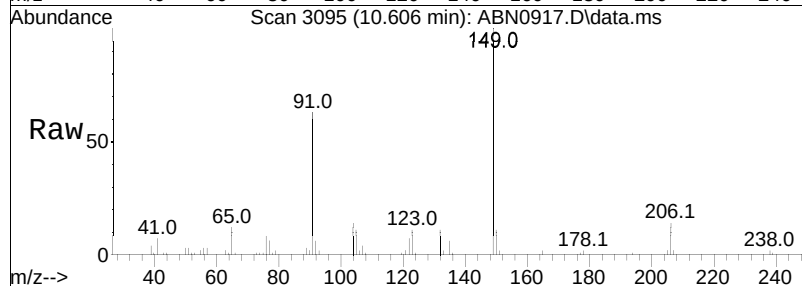
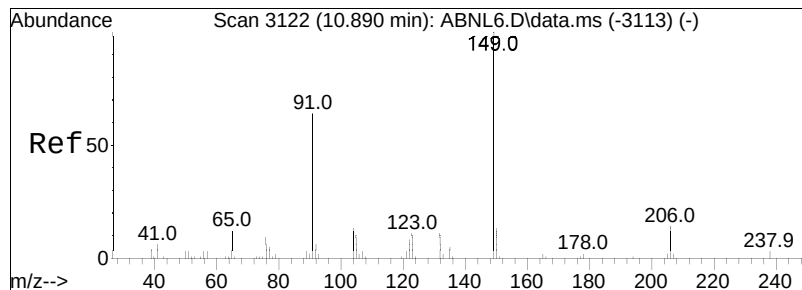




#95
 Pyrene
 Concen: 4.77 ug/ml
 RT: 9.864 min Scan# 2856
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

Tgt Ion:	202	Resp:	320386
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.7	25.1
203	17.5	14.2	21.4





#97

Butyl benzyl phthalate

Concen: 5.40 ug/ml

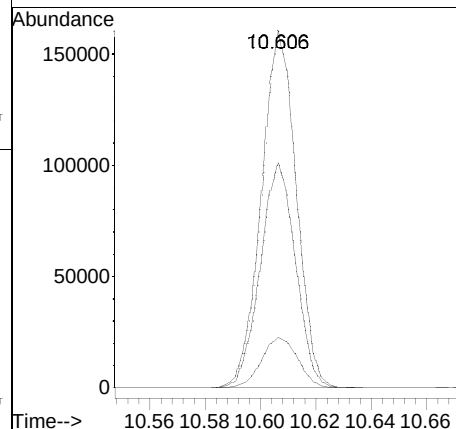
RT: 10.606 min Scan# 3095

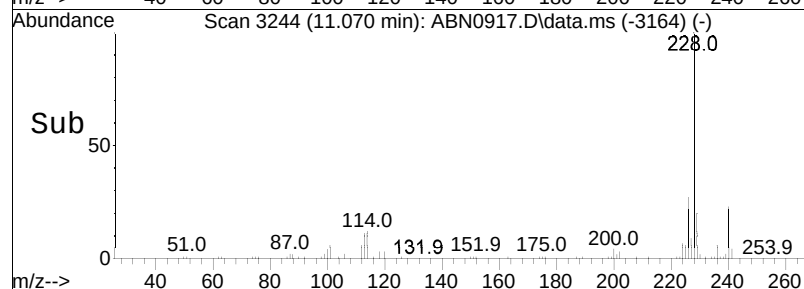
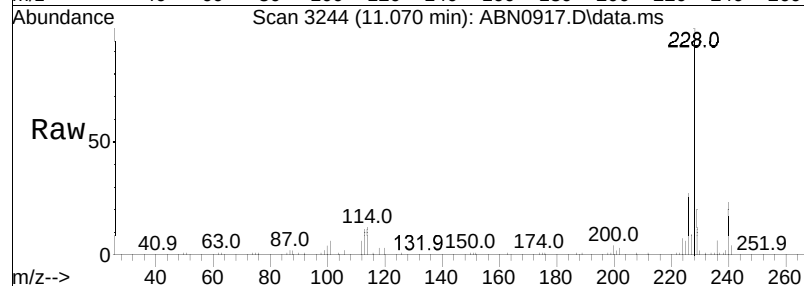
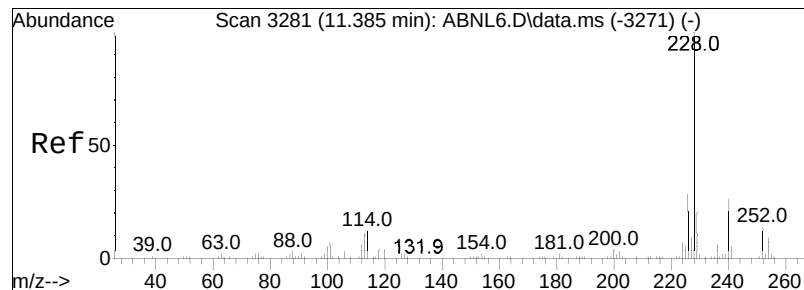
Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 9:51 am

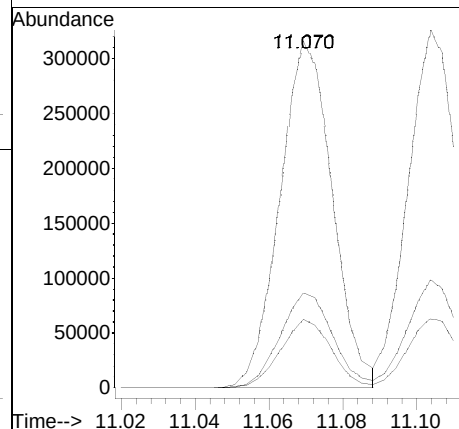
Tgt Ion:	149	Resp:	138823
Ion Ratio	Lower	Upper	
149	100		
91	63.7	63.3	94.9
206	14.8	13.9	20.9

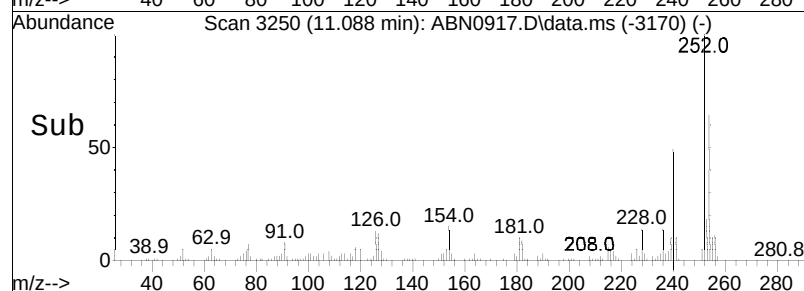
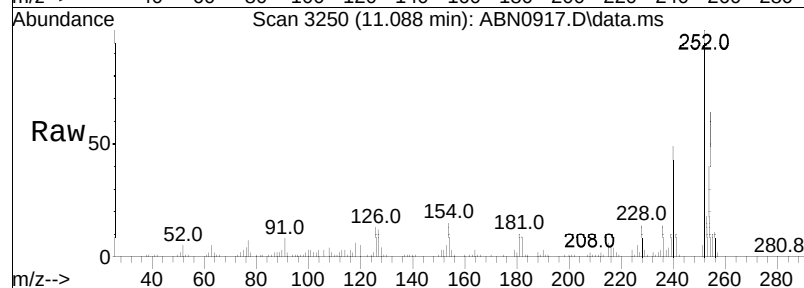
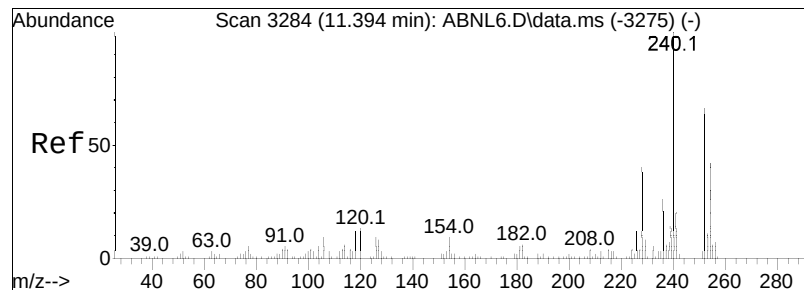




#105
 Benzo(a)anthracene
 Concen: 4.58 ug/ml
 RT: 11.070 min Scan# 3244
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

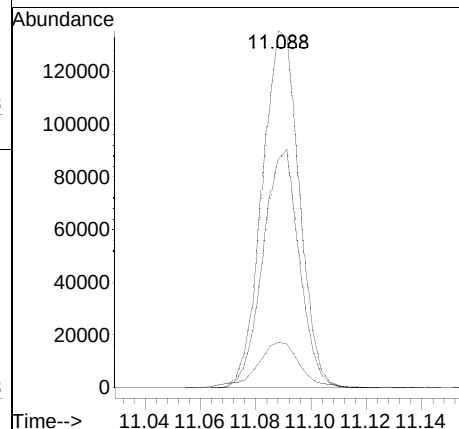
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.4
229	19.3	15.6	23.4

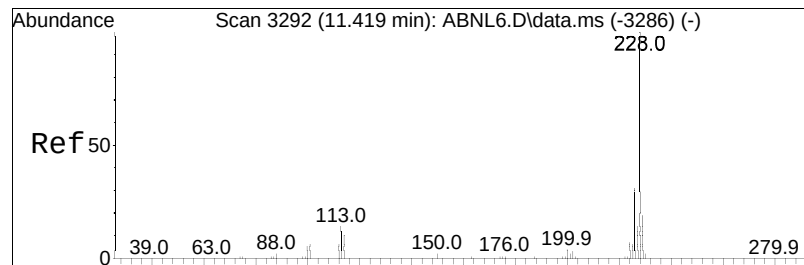




#106
 3,3'-Dichlorobenzidine
 Concen: 5.36 ug/ml
 RT: 11.088 min Scan# 3250
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

Tgt Ion	Ratio	Lower	Upper
252	100		
126	14.9	14.5	21.7
254	65.6	51.2	76.8





#107

Chrysene

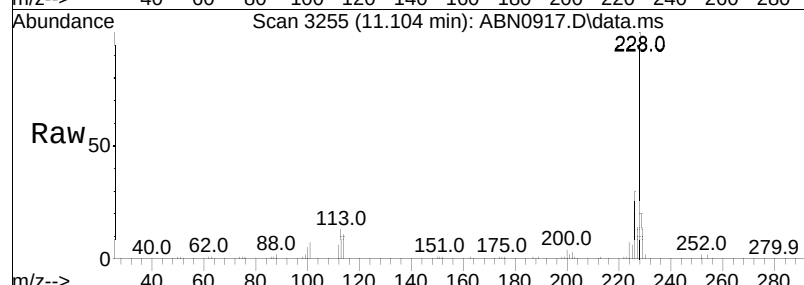
Concen: 4.47 ug/ml

RT: 11.104 min Scan# 3255

Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 9:51 am



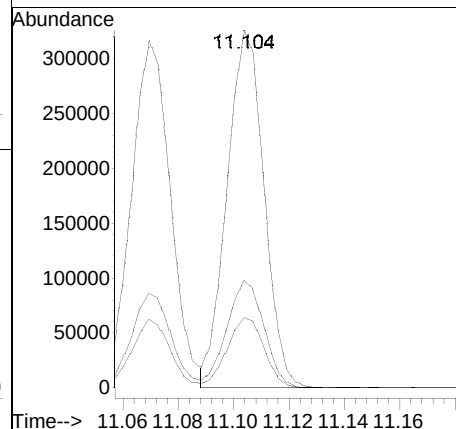
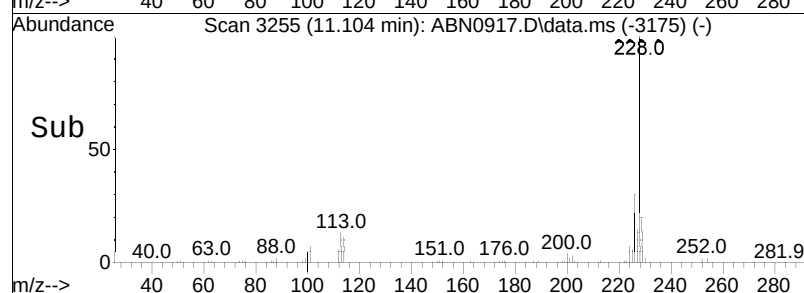
Tgt Ion: 228 Resp: 301355

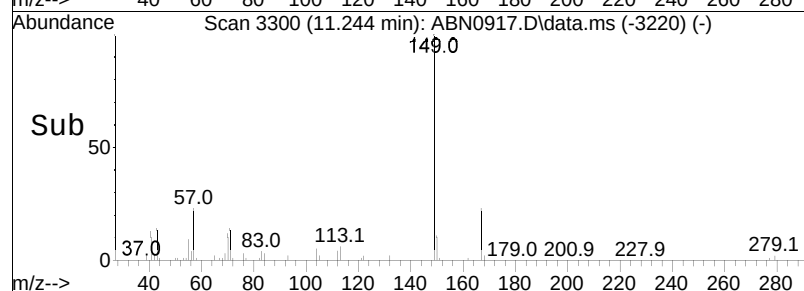
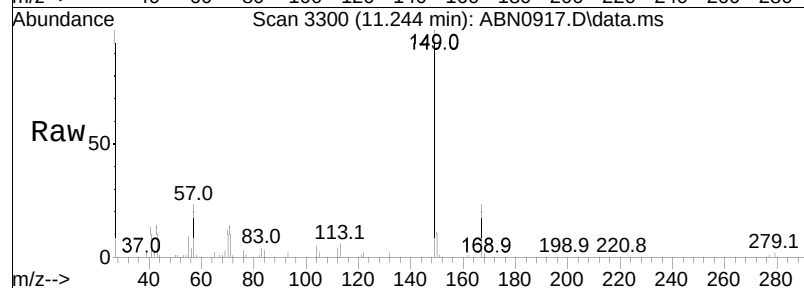
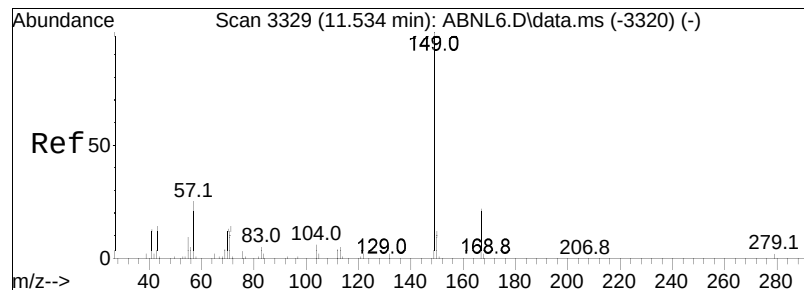
Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

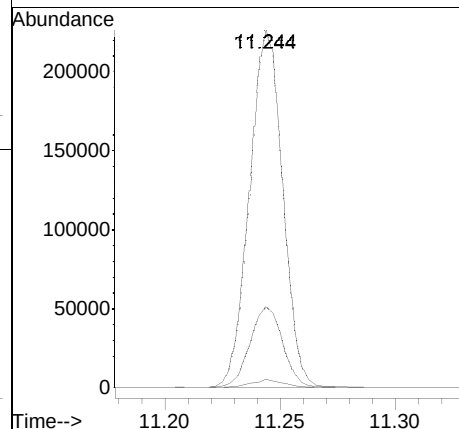
229 19.6 15.8 23.8

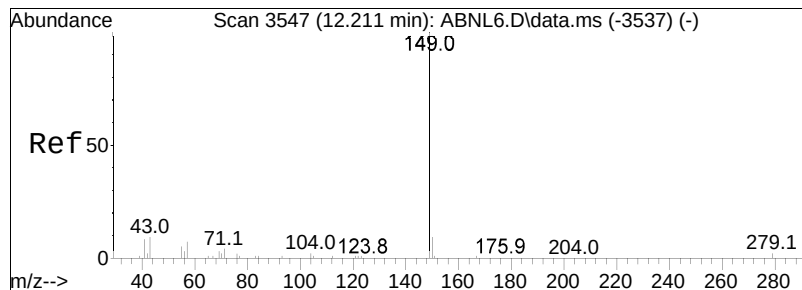




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 5.23 ug/ml
 RT: 11.244 min Scan# 3300
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

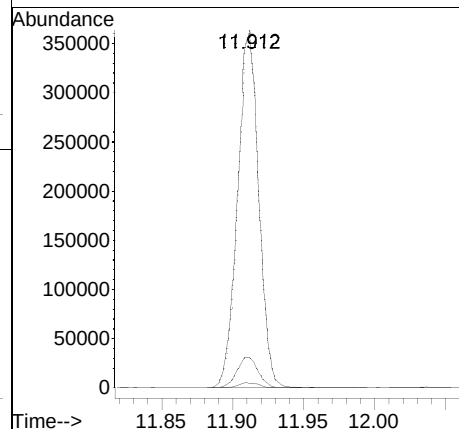
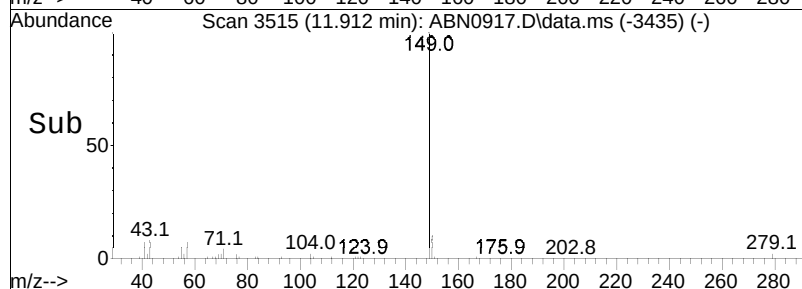
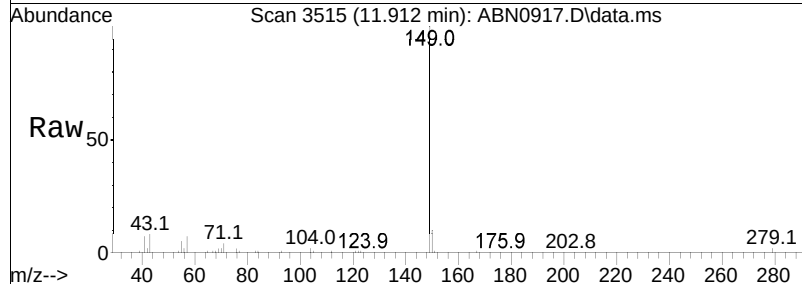
Tgt Ion	Ratio	Lower	Upper
149	100		
167	22.4	22.1	33.1
279	1.9	3.0	4.4#

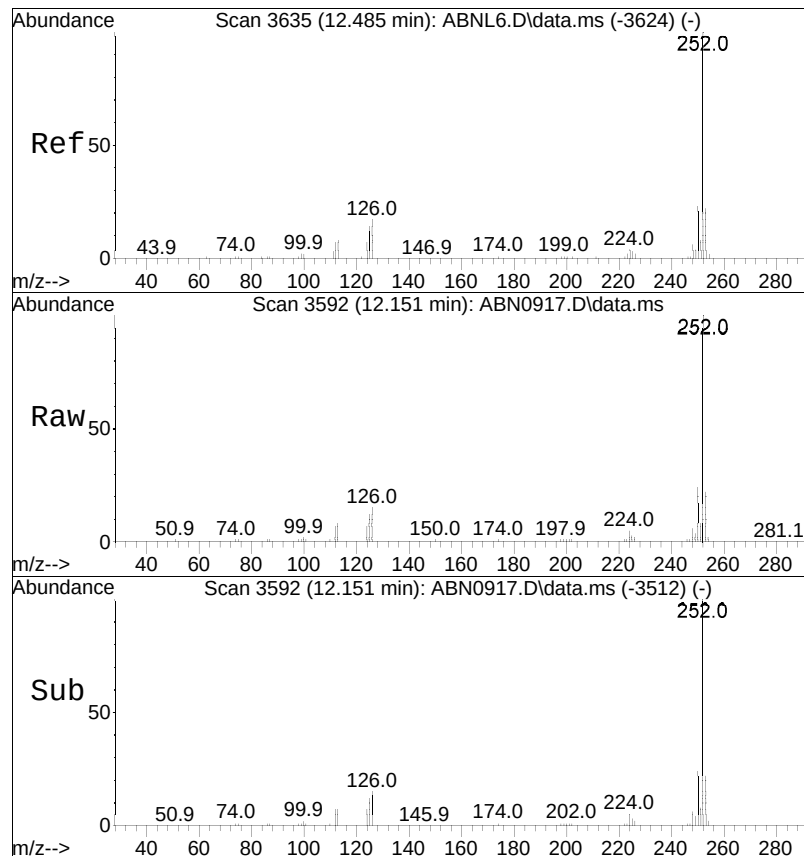




#109
 Di-n-octylphthalate
 Concen: 5.15 ug/ml
 RT: 11.912 min Scan# 3515
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

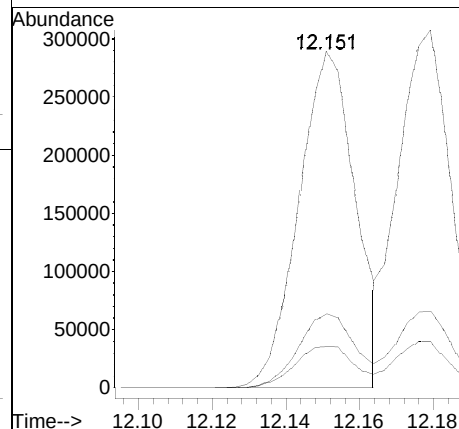
Tgt Ion:	149	Resp:	369052
Ion Ratio	Lower	Upper	
149	100		
43	8.8	18.8	28.2#
167	1.3	1.3	1.9

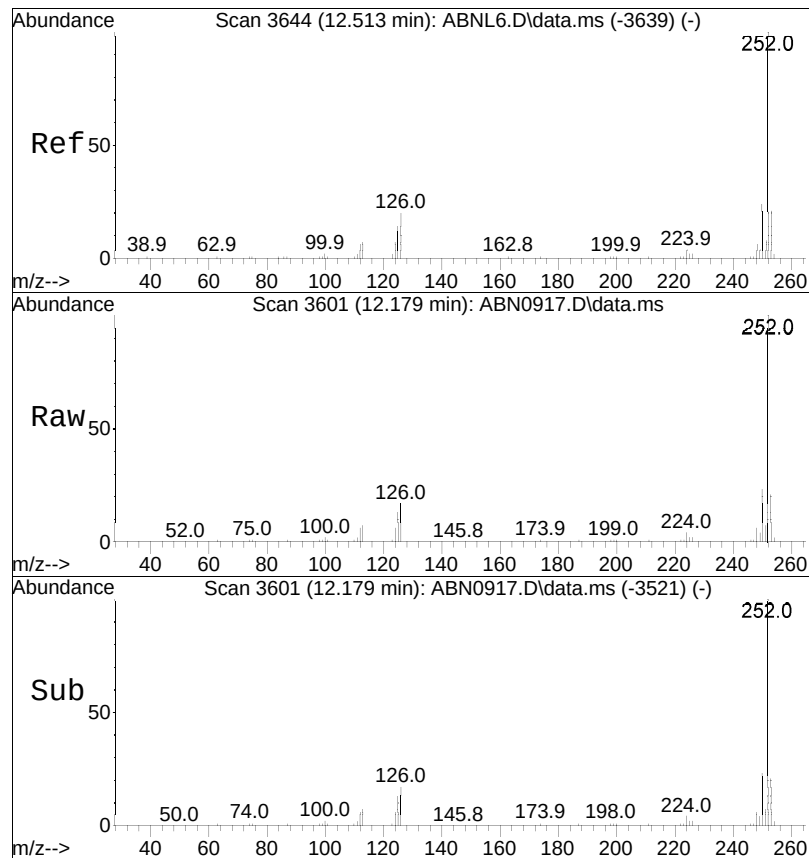




#110
 Benzo(b)fluoranthene
 Concen: 4.77 ug/ml
 RT: 12.151 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

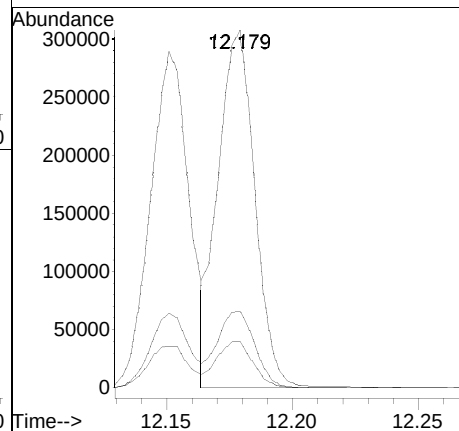
Tgt Ion:	252	Resp:	307733
Ion Ratio	Lower	Upper	
252	100		
125	13.3	13.3	19.9#
253	22.2	17.1	25.7

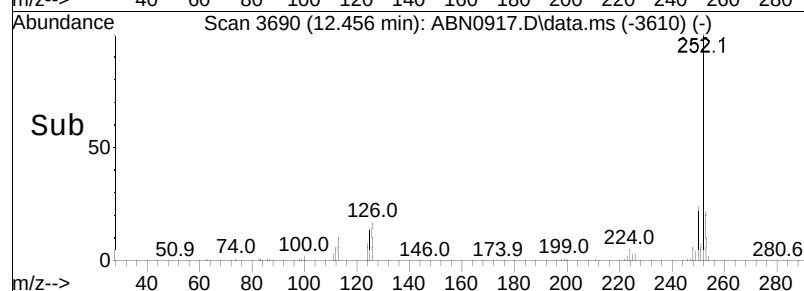
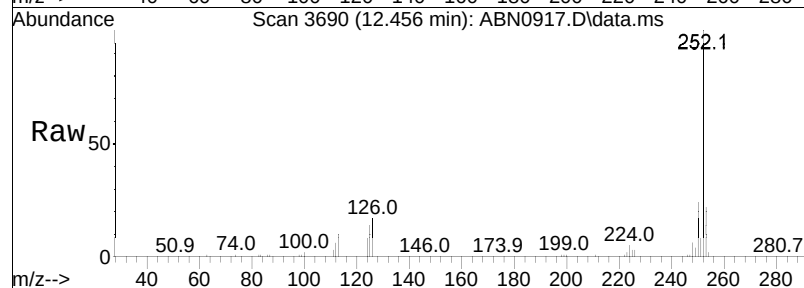
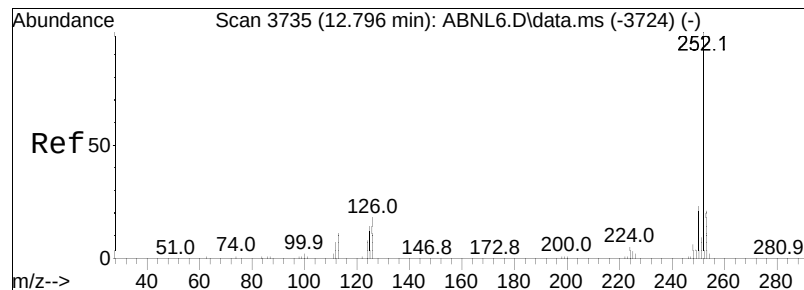




#111
Benzo(k)fluoranthene
Concen: 4.74 ug/ml M3
RT: 12.179 min Scan# 3601
Delta R.T. 0.000 min
Lab File: ABN0917.D
Acq: 17 Sep 2025 9:51 am

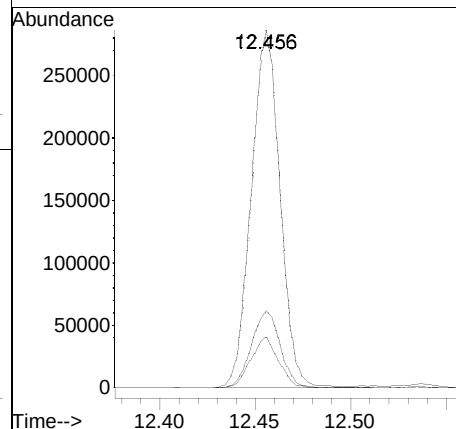
Tgt Ion	Ratio	Lower	Upper
252	100		
125	13.1	13.0	19.6
253	21.9	16.8	25.2

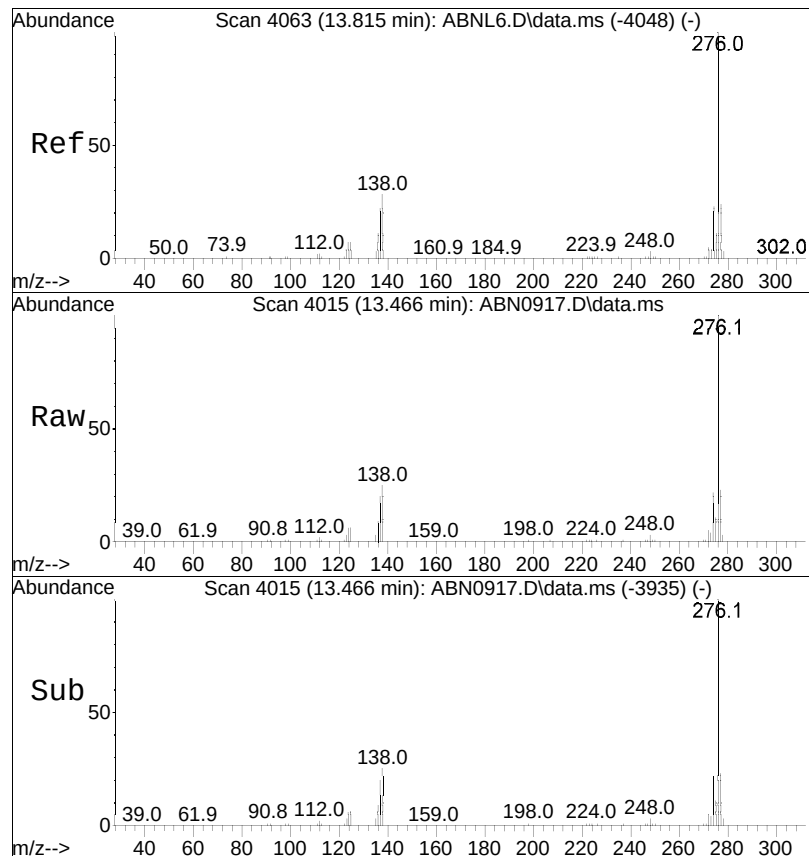




#112
 Benzo(a)pyrene
 Concen: 4.92 ug/ml M2
 RT: 12.456 min Scan# 3690
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		297300		
125	0.3		14.2		21.2#
253	0.3		16.9		25.3#





#114

Indeno(1,2,3-cd)pyrene

Concen: 4.68 ug/mL

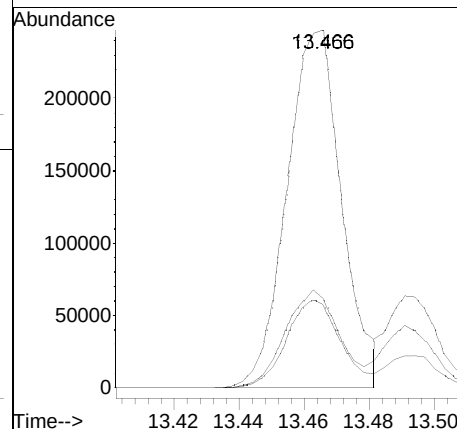
RT: 13.466 min Scan# 4015

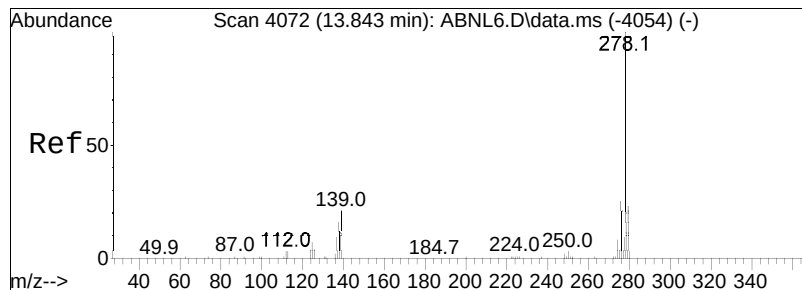
Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 9:51 am

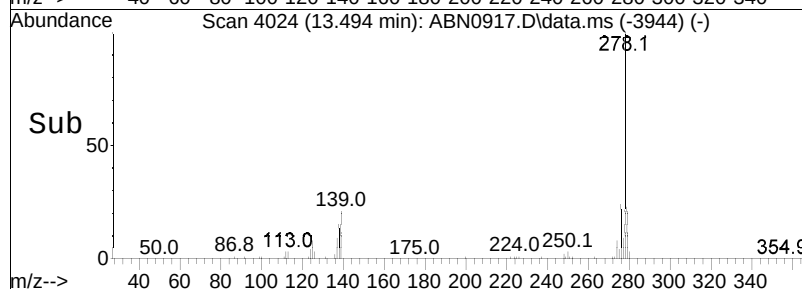
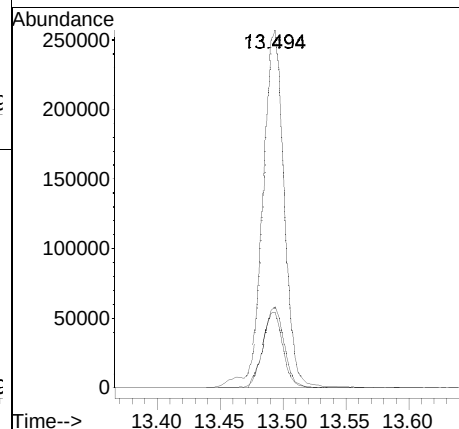
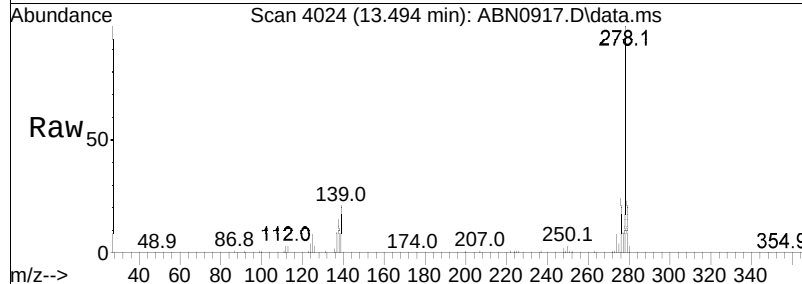
Tgt Ion:	276	Resp:	287844
Ion Ratio	Lower	Upper	
276	100		
138	27.1	25.1	37.7
277	24.6	18.6	28.0

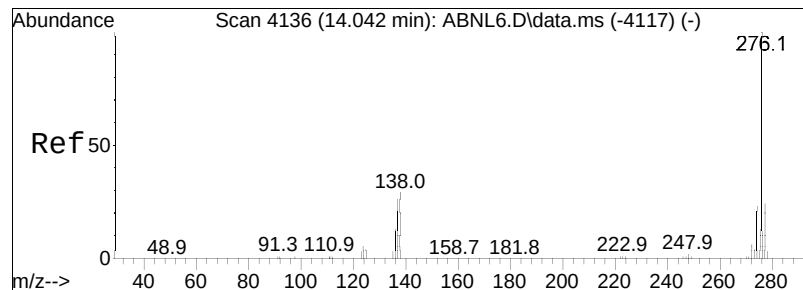




#115
 Dibenzo(a,h)anthracene
 Concen: 4.73 ug/ml
 RT: 13.494 min Scan# 4024
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

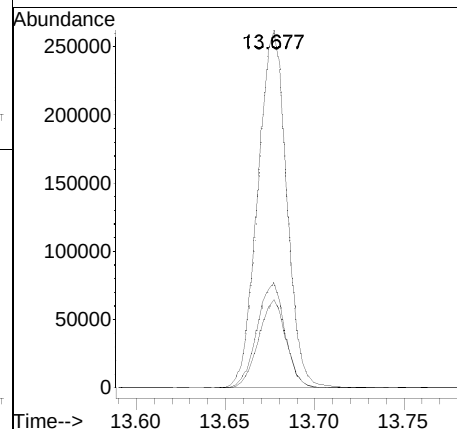
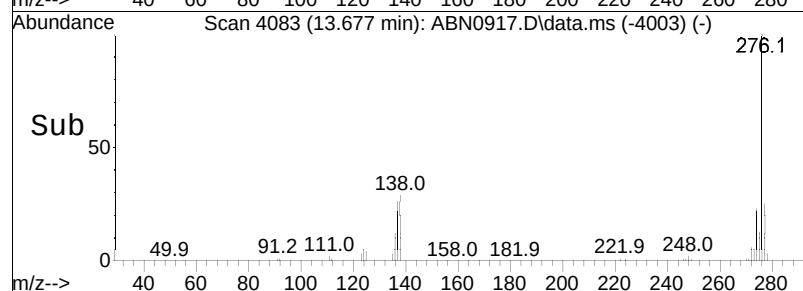
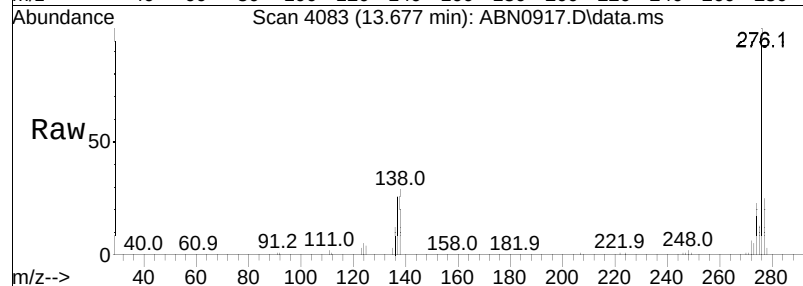
Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.3	20.8	31.2#
279	22.4	18.3	27.5





#116
 Benzo(ghi)perylene
 Concen: 4.66 ug/ml
 RT: 13.677 min Scan# 4083
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 9:51 am

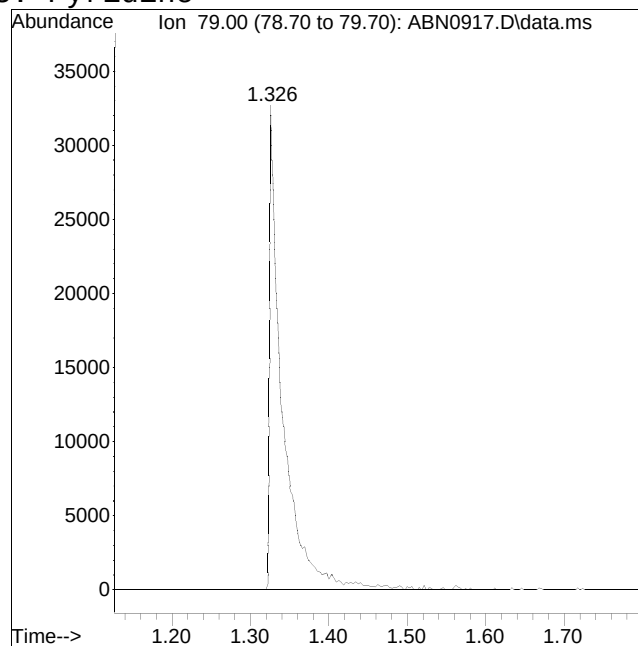
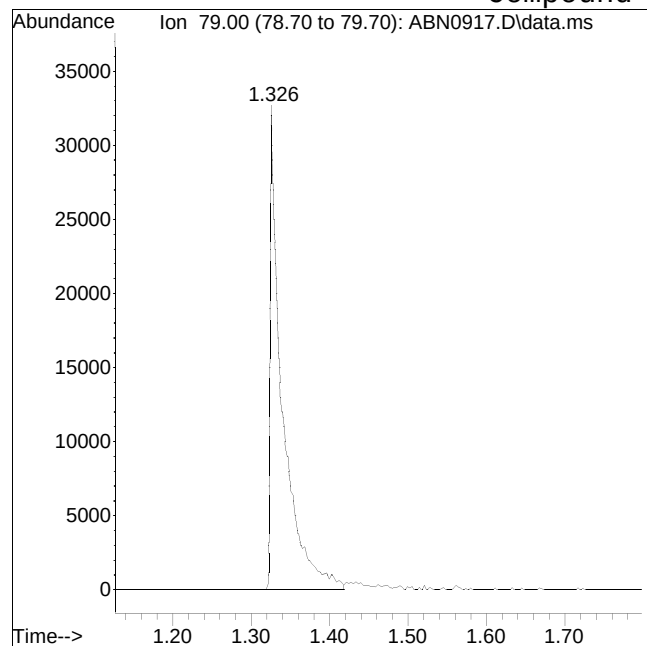
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.8	29.2	43.8#
277	24.1	18.8	28.2



Manual Integration Report

Data Path : I:\8270\SV106\250917RVT\ QMethod : FS250827SV106.m
Data File : ABN0917.D Operator : SV106:als
Date Inj'd : 9/17/2025 9:51 am Instrument : SV 106
Sample : WG2116036-3,32,,ABN 11979 Qug0000 Date : 9/17/2025 11:04 am

Compound #3: Pyridine



Original Peak Response = 35084

Manual Peak Response = 37192 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Compound #49: 1,4-Dinitrobenzene

Ion 168.00 (167.70 to 168.70): ABN0917.D\data.ms

Retention Time (min)	Approximate Abundance
6.759	27,000
6.833	31,000
6.901	21,000

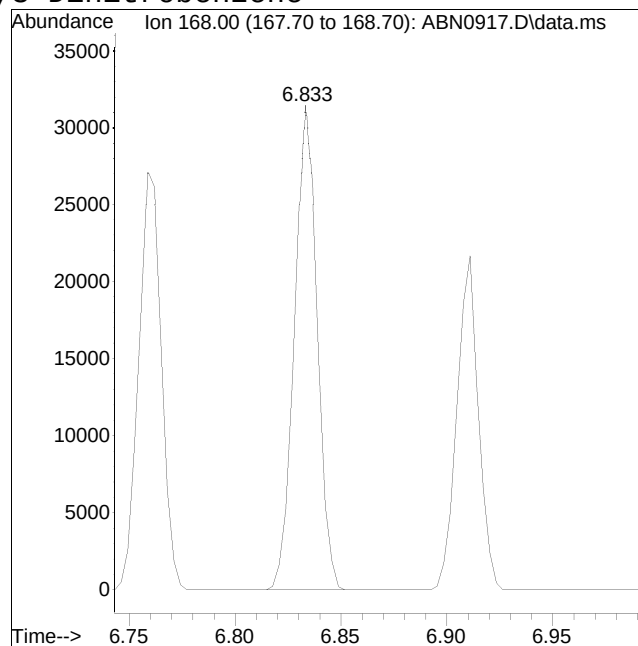
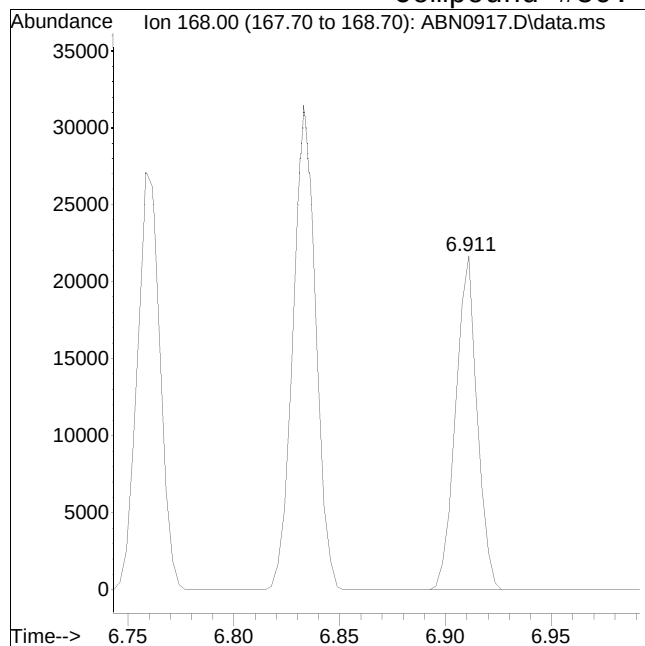
Manual Peak Response = 20256 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250917RVT\ QMethod : FS250827SV106.m
Data File : ABN0917.D Operator : SV106:als
Date Inj'd : 9/17/2025 9:51 am Instrument : SV 106
Sample : WG2116036-3,32,,ABN 11979 Qug0000 Date : 9/17/2025 11:04 am

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 15283

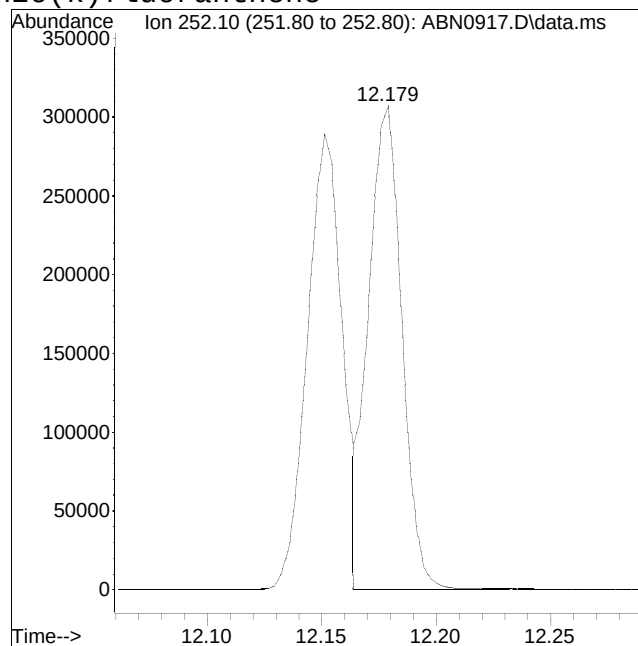
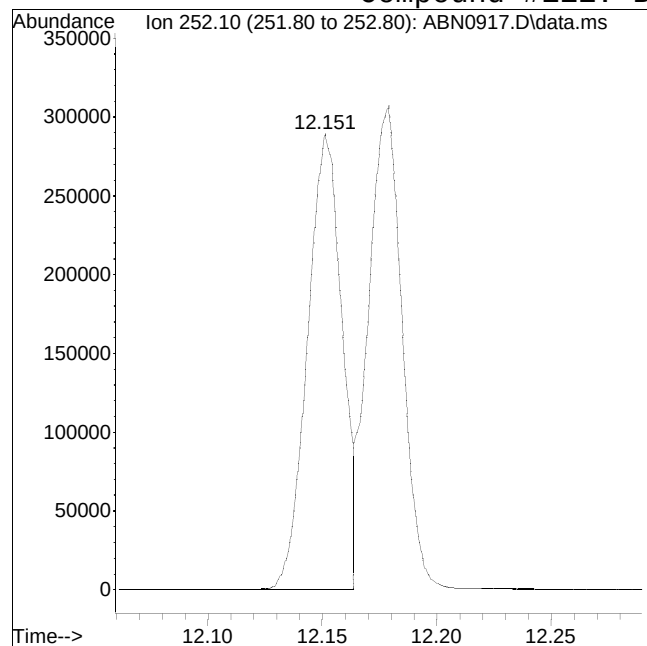
Manual Peak Response = 23425 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250917RVT\ QMethod : FS250827SV106.m
 Data File : ABN0917.D Operator : SV106:als
 Date Inj'd : 9/17/2025 9:51 am Instrument : SV 106
 Sample : WG2116036-3,32,,ABN 11979 Qug0000 Date : 9/17/2025 11:04 am

Compound #111: Benzo(k)fluoranthene

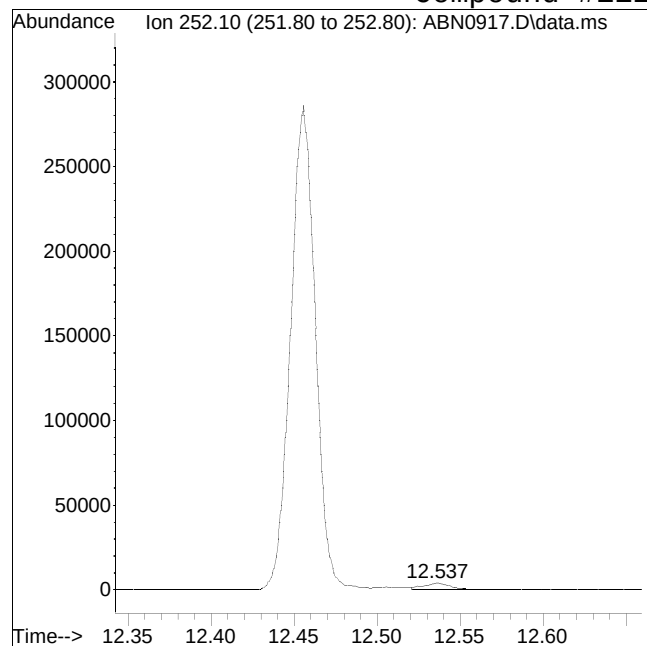


M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

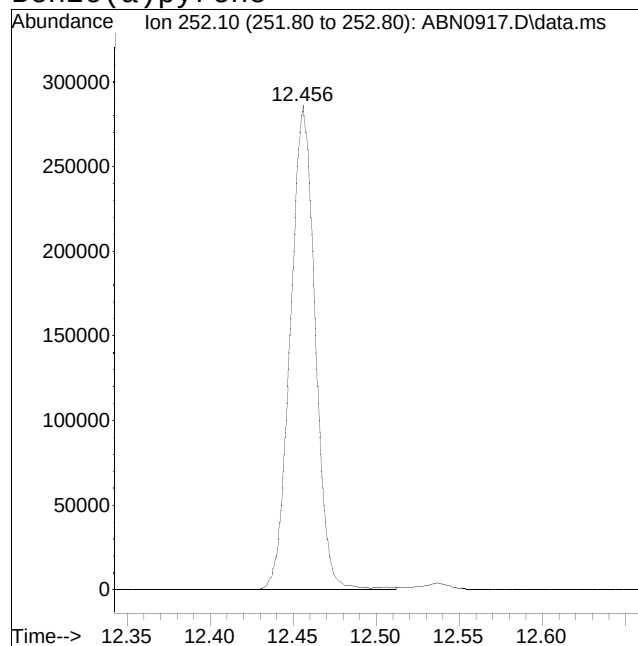
Data Path : I:\8270\SV106\250917RVT\ QMethod : FS250827SV106.m
Data File : ABN0917.D Operator : SV106:als
Date Inj'd : 9/17/2025 9:51 am Instrument : SV 106
Sample : WG2116036-3,32,,ABN 11979 Qug0000Ate : 9/17/2025 11:04 am

Compound #112: Benzo(a)pyrene



Original Peak Response = 4914

M2 = Peak not found by automatic integration algorithm.



Manual Peak Response = 297300 M2

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250917RVT\
 Data File : AP90917.D
 Acq On : 17 Sep 2025 10:13 am
 Operator : SV106:als
 Sample : WG2116036-4,32,,AP9 11990 gmr0916A
 Misc : WG2116036,,ical22591
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 17 11:03:57 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:04:37 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	123	0.00
28 T	Benzaldehyde	0.645	0.553	14.3	107	0.00
29 T	Acetophenone	1.905	1.537	19.3	101	0.00
30 T	m-Toluidine	1.123	1.012	9.9	103	0.00
31 T	2-Chloroaniline	1.724	1.451	15.8	102	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	122	0.00
56 T	a-Terpineol	0.267	0.217	18.7	99	0.00
57 T	3-Chloroaniline	0.114	0.097	14.9	96	0.00
58 T	2,6-Dichlorophenol	0.285	0.255	10.5	107	0.00
59 T	1-chloro-2-nitrobenzene	0.135	0.119	11.9	107	0.00
60 T	Caprolactam	0.142	0.119	16.2	98	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.373	0.300	19.6	100	0.00
62 T	Biphenyl	0.931	0.735	21.1#	99	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	122	0.00
84 T	Dichloran	0.158	0.129	18.4	98	0.00
85 T	Pentachloronitrobenzene	0.154	0.133	13.6	99	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	119	0.00
99 T	Diphenamid	0.487	0.403	17.2	94	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : AP90917.D
 Acq On : 17 Sep 2025 10:13 am
 Operator : SV106:als
 Sample : WG2116036-4,32,,AP9 11990 gmr0916A
 Misc : WG2116036,,ical22591
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 17 11:03:57 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:04:37 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.036	152	37950	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	5.310	136	149066	4.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	7.038	164	86354	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	8.474	188	169788	4.000	ug/ml	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.579	105	26212	4.284	ug/ml	89
29) Acetophenone	4.468	105	72911	4.034	ug/ml#	80
30) m-Toluidine	4.555	106	48027	4.509	ug/ml	94
31) 2-Chloroaniline	4.918	127	68852	4.211	ug/ml#	90
56) a-Terpineol	5.391	59	40486	4.068	ug/ml#	84
57) 3-Chloroaniline	5.400	65	18046	4.231	ug/ml	79
58) 2,6-Dichlorophenol	5.425	162	47525	4.472	ug/ml#	83
59) 1-chloro-2-nitrobenzene	5.680	111	22257	4.432	ug/ml#	1
60) Caprolactam	5.727	55	22251	4.212	ug/ml#	74
61) 1,2,4,5-Tetrachloroben...	6.199	216	55809	4.013	ug/ml	97
62) Biphenyl	6.501	154	136943	3.947	ug/ml	98
84) Dichloran	8.185	206	13947	4.079	ug/ml#	69
85) Pentachloronitrobenzene	8.328	237	14325	4.298	ug/ml#	86
99) Diphenamid	9.416	167	85598	4.143	ug/ml#	78

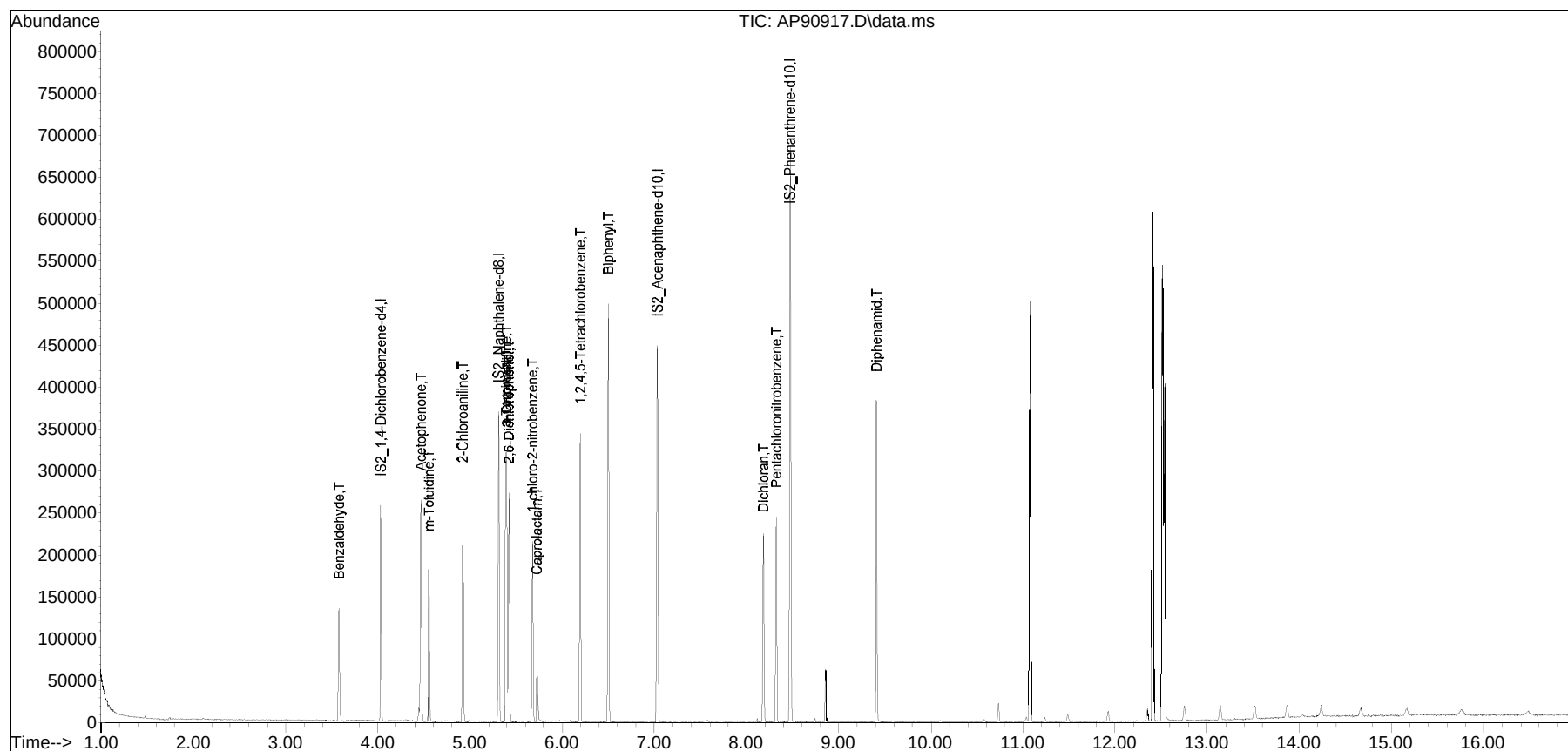
(#) = qualifier out of range (m) = manual integration (+) = signals summed

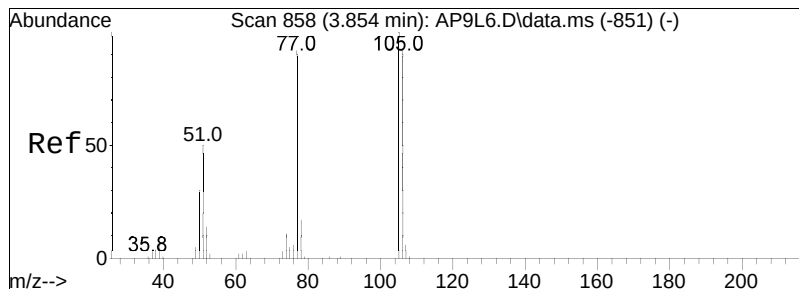
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : AP90917.D
 Acq On : 17 Sep 2025 10:13 am
 Operator : SV106:als
 Sample : WG2116036-4,32,,AP9 11990 gmr0916A
 Misc : WG2116036,,ical22591
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 17 11:03:57 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:04:37 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist





#28

Benzaldehyde

Concen: 4.28 ug/ml

RT: 3.579 min Scan# 834

Delta R.T. 0.000 min

Lab File: AP90917.D

Acq: 17 Sep 2025 10:13 am

Tgt Ion:105 Resp: 26212

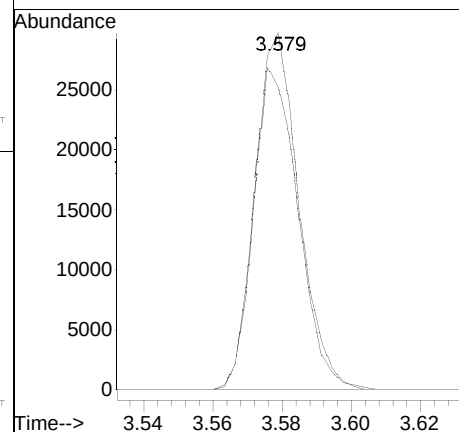
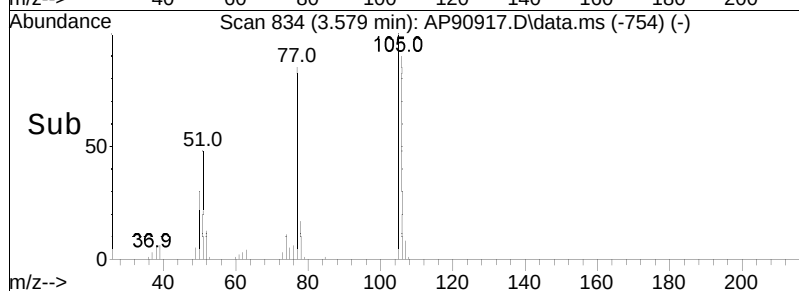
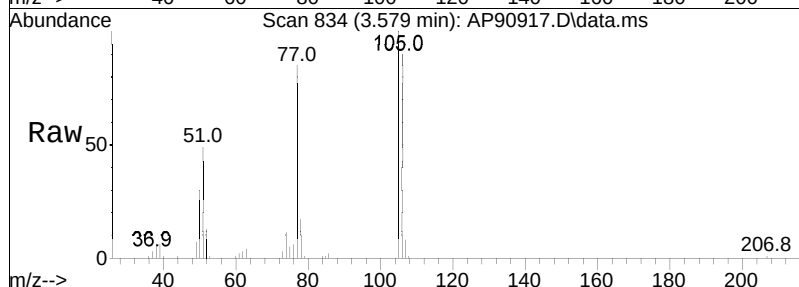
Ion Ratio Lower Upper

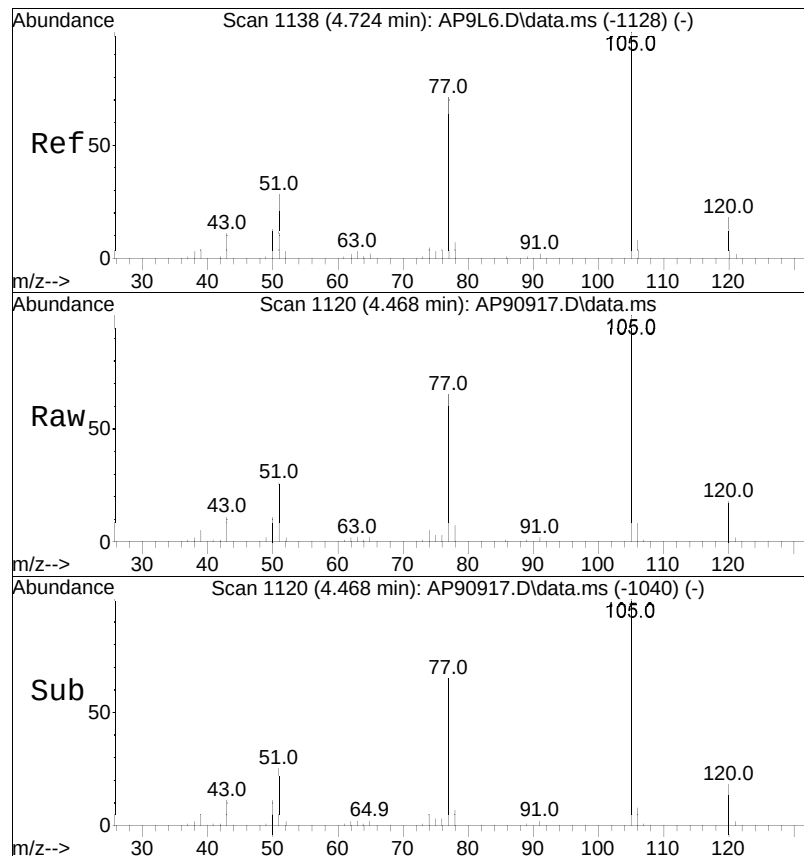
105 100

77 91.4

82.2

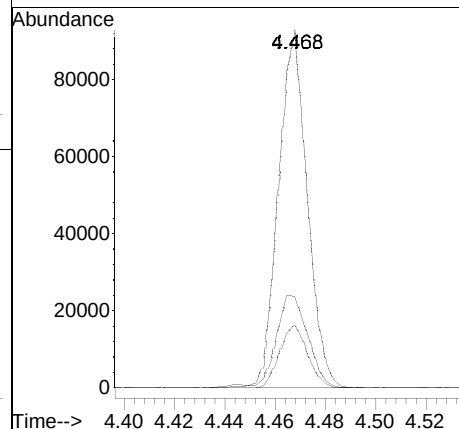
123.4

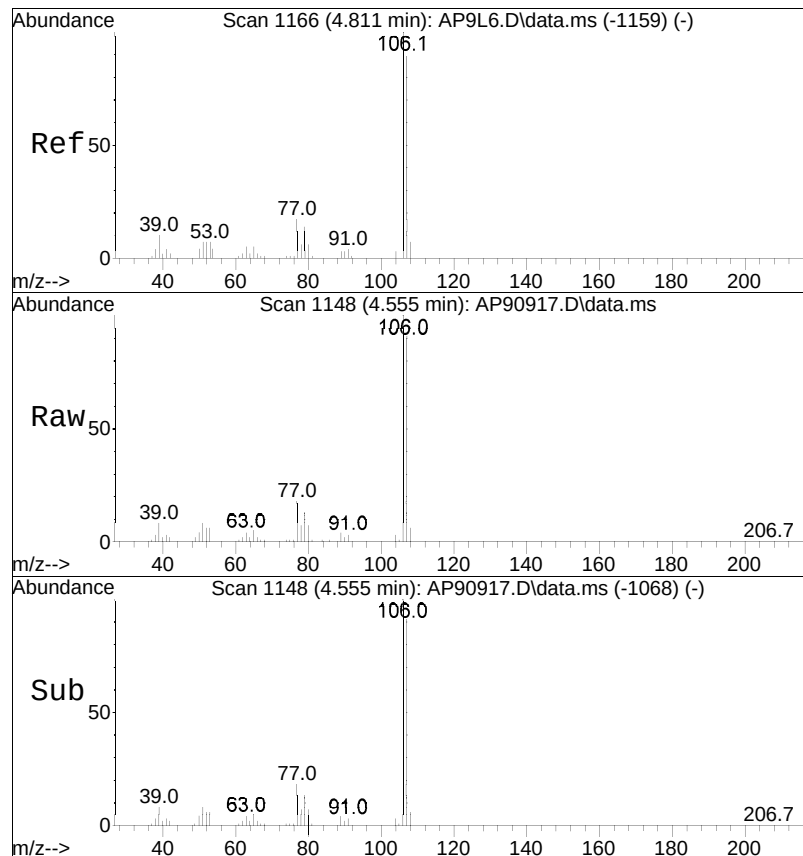




#29
 Acetophenone
 Concen: 4.03 ug/ml
 RT: 4.468 min Scan# 1120
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 10:13 am

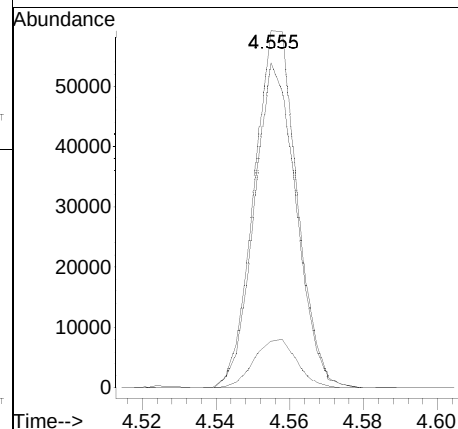
Tgt	Ion:105	Resp:	72911
Ion	Ratio	Lower	Upper
105	100		
120	17.2	20.5	30.7#
51	29.5	34.9	52.3#

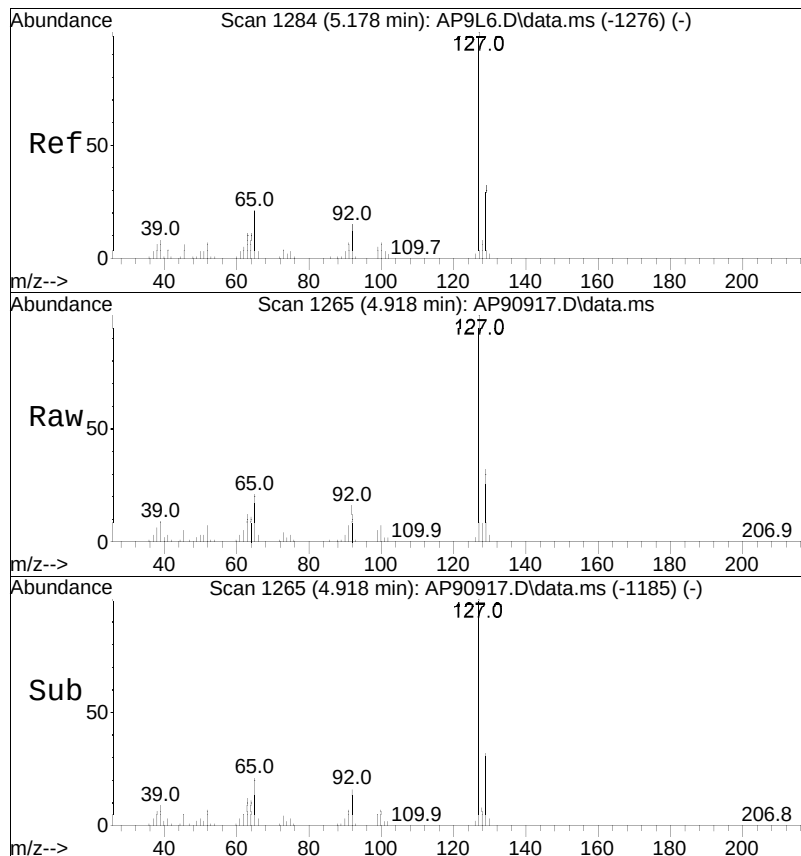




#30
 m-Toluidine
 Concen: 4.51 ug/ml
 RT: 4.555 min Scan# 1148
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 10:13 am

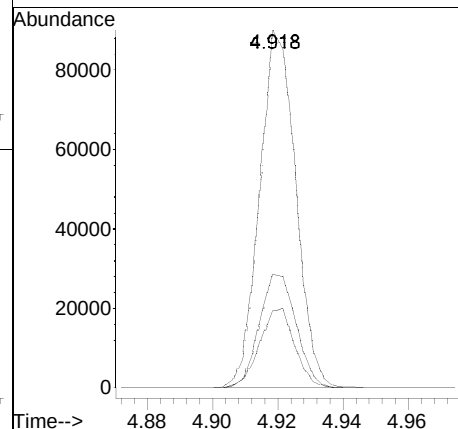
Tgt Ion:	106	Resp:	48027
Ion Ratio	Lower	Upper	
106	100		
107	88.4	75.7	113.5
79	13.5	11.8	17.8

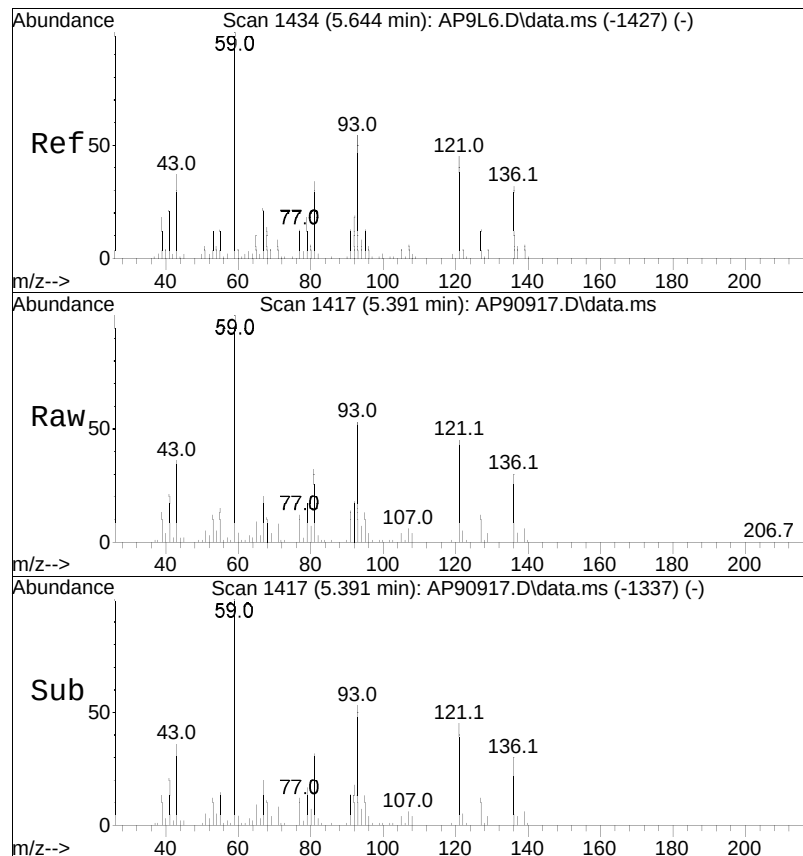




#31
 2-Chloroaniline
 Concen: 4.21 ug/ml
 RT: 4.918 min Scan# 1265
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 10:13 am

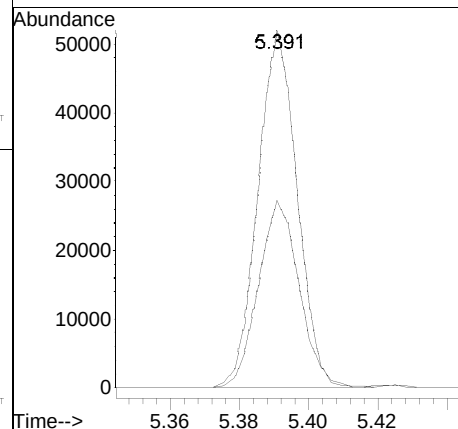
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	21.7	26.3	39.5

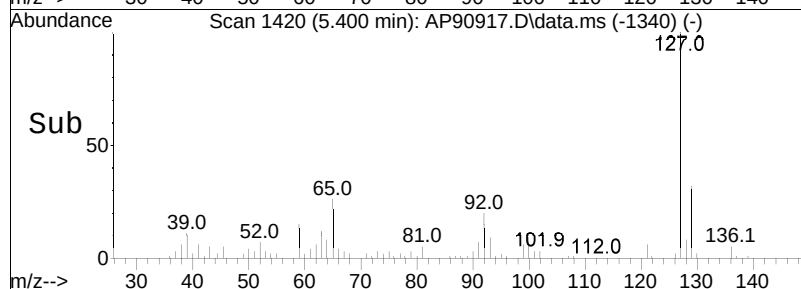
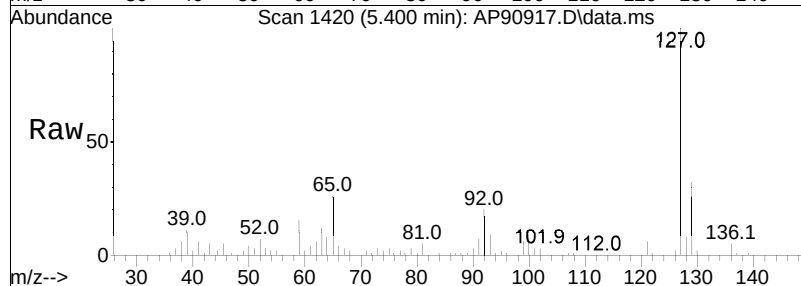
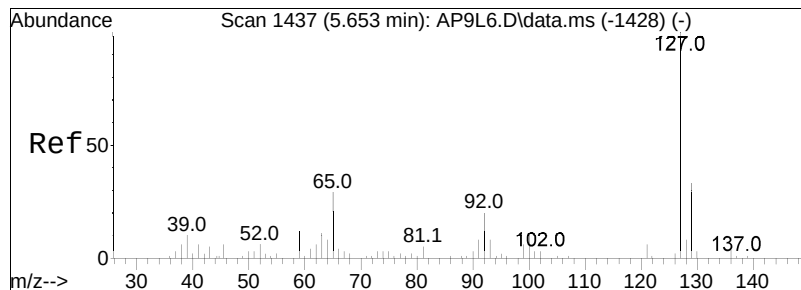




#56
a-Terpineol
Concen: 4.07 ug/ml
RT: 5.391 min Scan# 1417
Delta R.T. 0.000 min
Lab File: AP90917.D
Acq: 17 Sep 2025 10:13 am

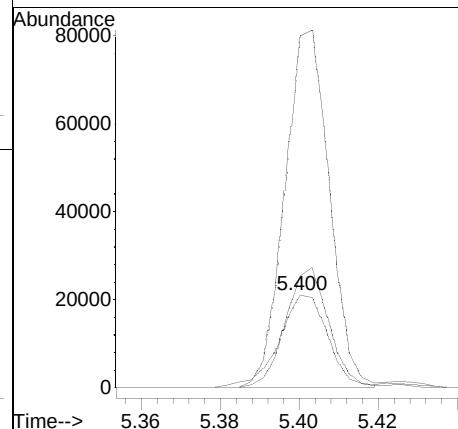
Tgt Ion	Ratio	Lower	Upper
59	100		
93	54.7	35.6	53.4#

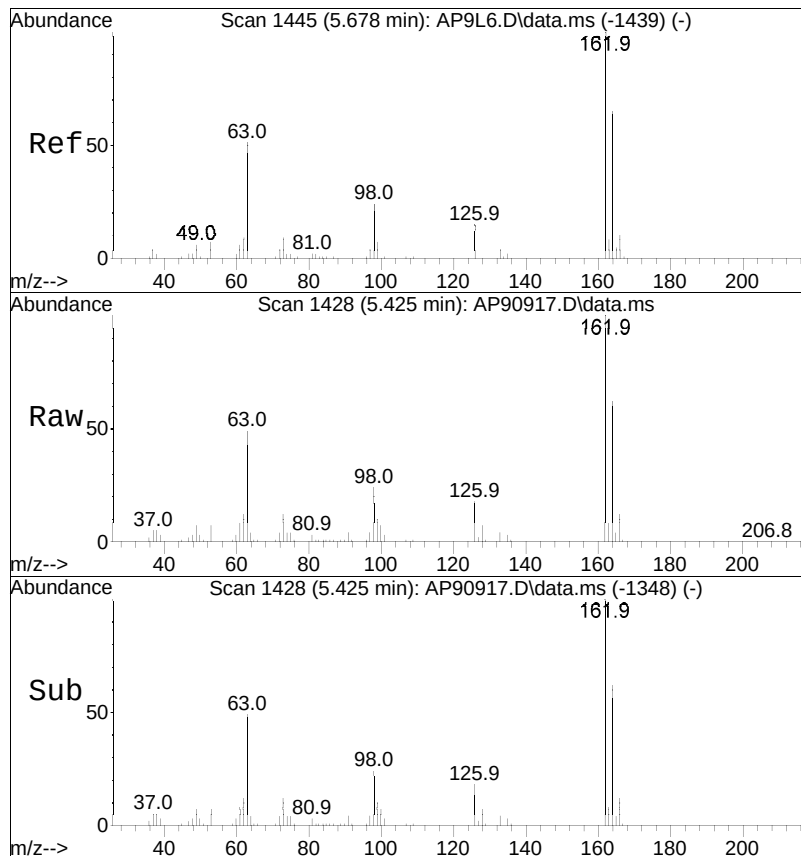




#57
 3-Chloroaniline
 Concen: 4.23 ug/ml
 RT: 5.400 min Scan# 1420
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 10:13 am

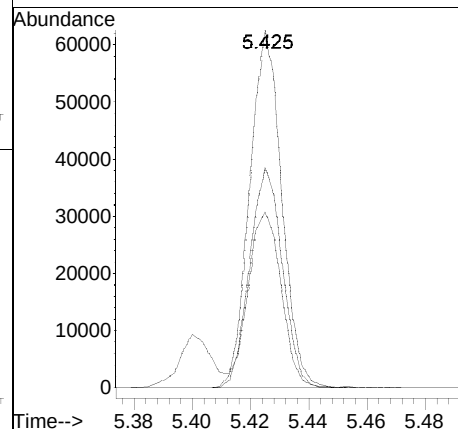
Tgt Ion:	65	127	129	Resp:	18046
Ion Ratio	100	350.3	114.0	Lower	Upper
		243.2	78.8		118.2

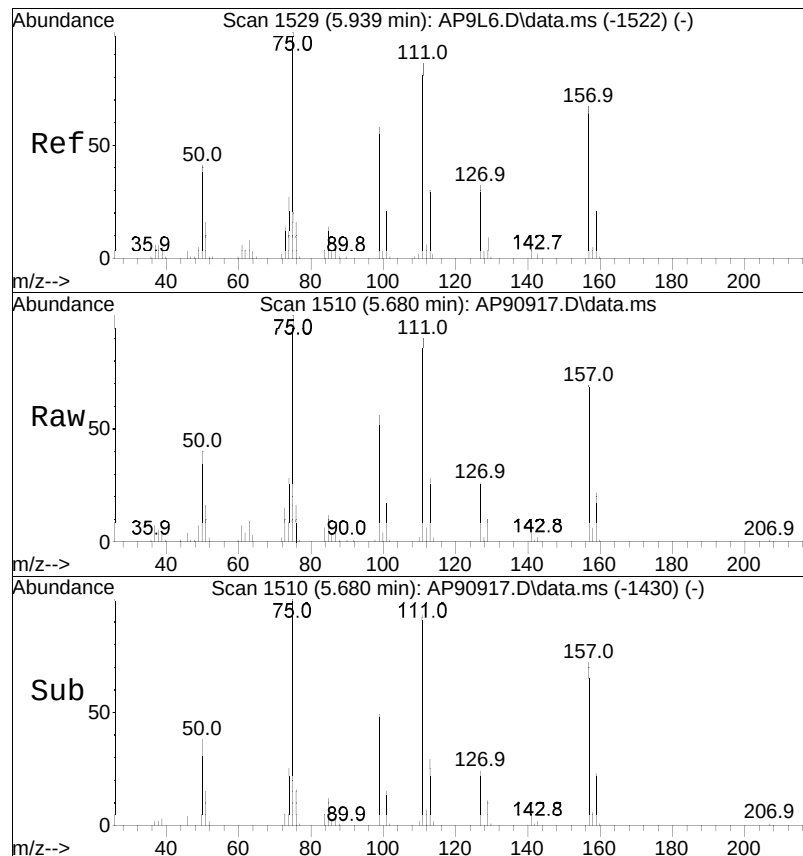




#58
 2,6-Dichlorophenol
 Concen: 4.47 ug/ml
 RT: 5.425 min Scan# 1428
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 10:13 am

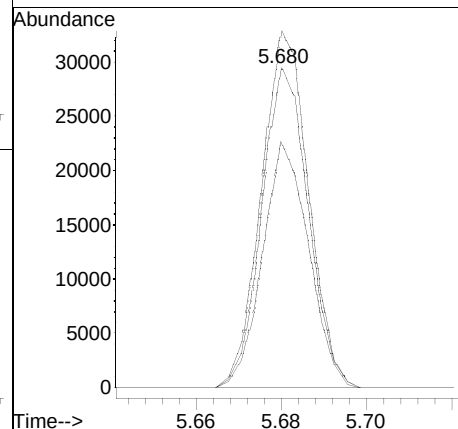
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	47525		
164	62.8		51.1	76.7
63	50.4		60.8	91.2#

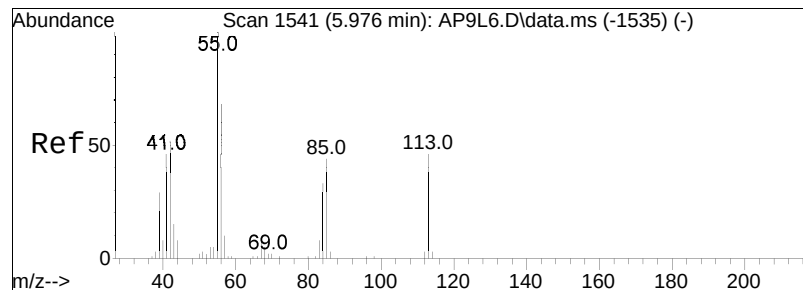




#59
 1-chloro-2-nitrobenzene
 Concen: 4.43 ug/ml
 RT: 5.680 min Scan# 1510
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 10:13 am

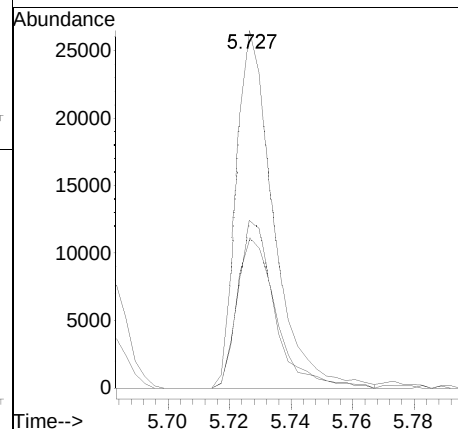
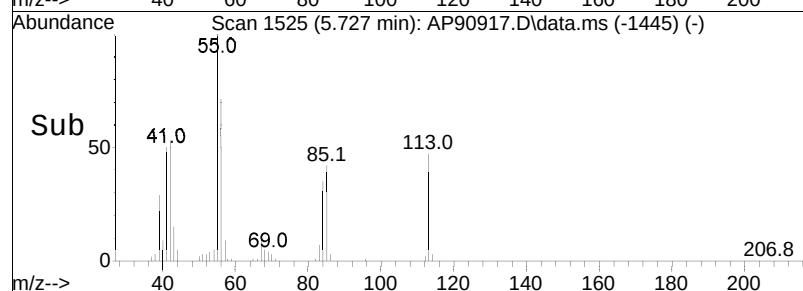
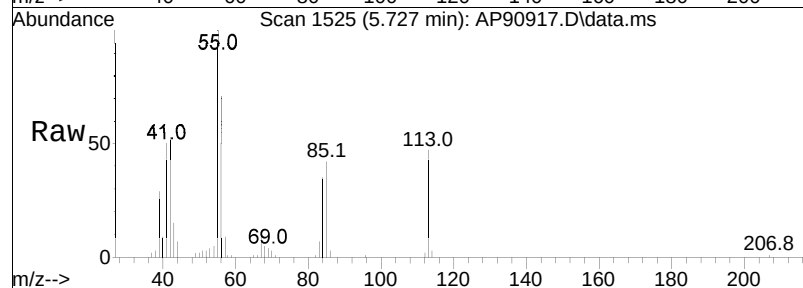
Tgt Ion:	111	Resp:	22257
Ion Ratio	Lower	Upper	
111	100		
157	76.0	0.0	0.0#
75	112.9	28.2	42.2#

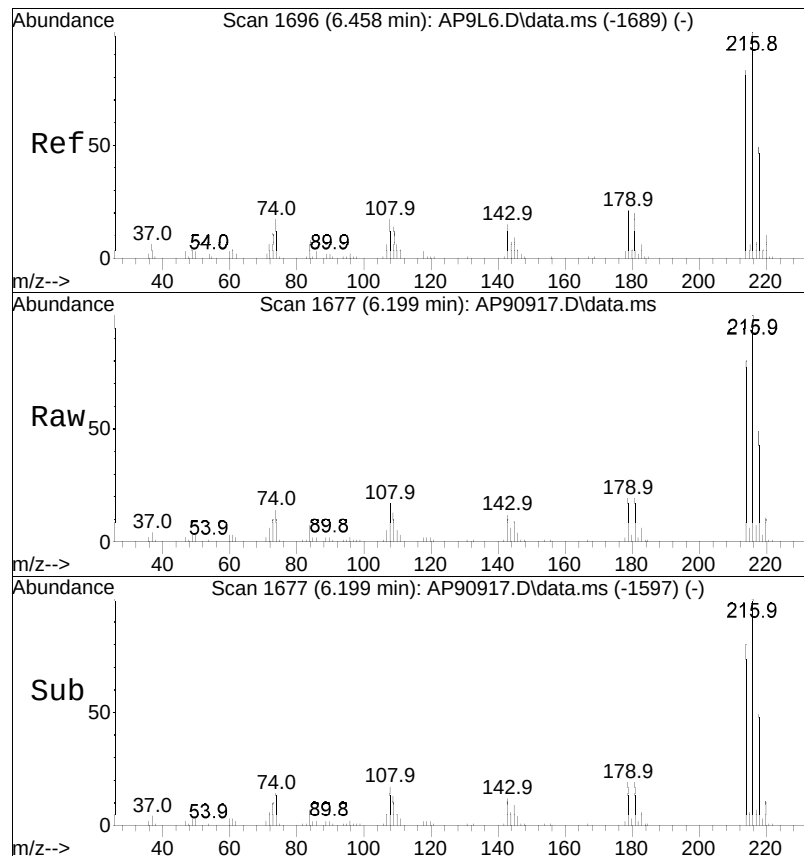




#60
 Caprolactam
 Concen: 4.21 ug/ml
 RT: 5.727 min Scan# 1525
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 10:13 am

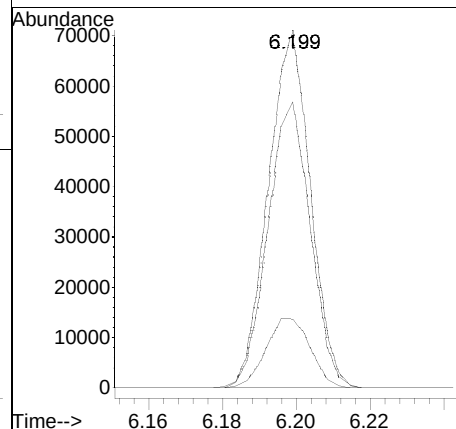
Tgt	Ion: 55	Resp:	22251
Ion	Ratio	Lower	Upper
55	100		
85	44.3	19.8	29.6#
113	47.1	29.6	44.4#

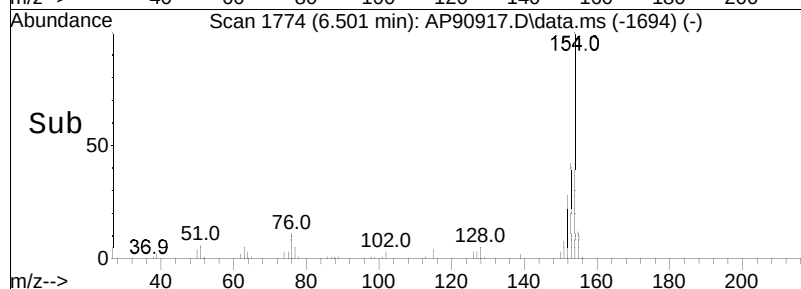
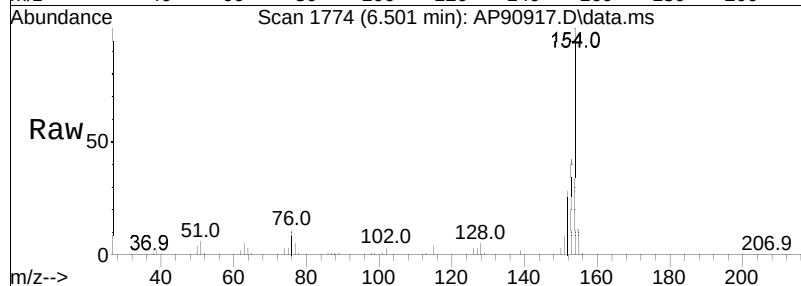
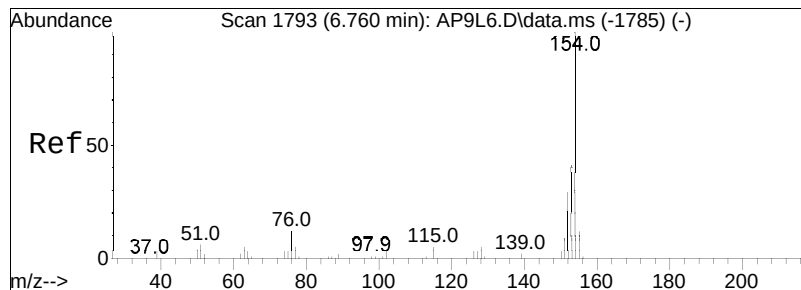




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.01 ug/ml
 RT: 6.199 min Scan# 1677
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 10:13 am

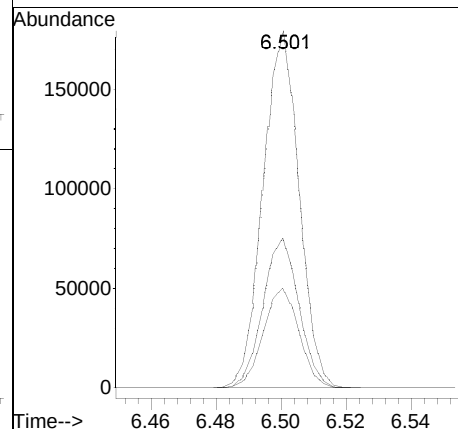
Tgt Ion:	216	Resp:	55809
Ion Ratio	Lower	Upper	
216	100		
214	80.9	63.7	95.5
179	20.6	19.0	28.6

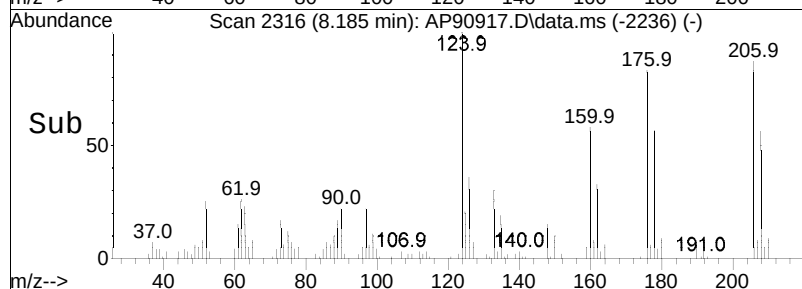
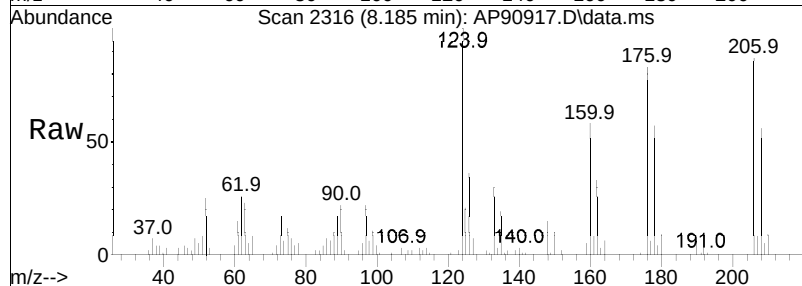
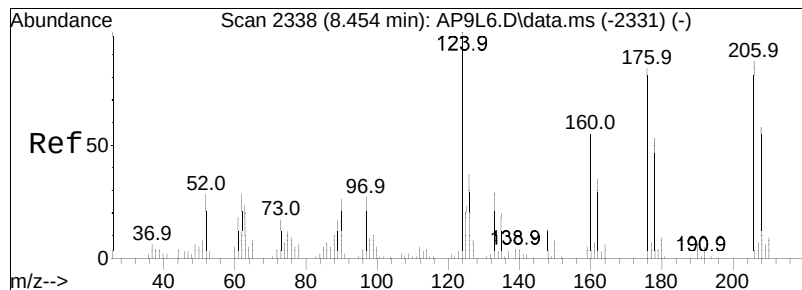




#62
 Biphenyl
 Concen: 3.95 ug/ml
 RT: 6.501 min Scan# 1774
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 10:13 am

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.1	32.3	48.5
152	27.9	22.5	33.7





#84

Dichloran

Concen: 4.08 ug/ml

RT: 8.185 min Scan# 2316

Delta R.T. 0.000 min

Lab File: AP90917.D

Acq: 17 Sep 2025 10:13 am

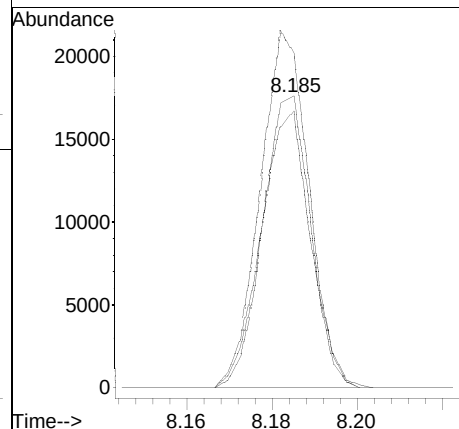
Tgt Ion: 206 Resp: 13947

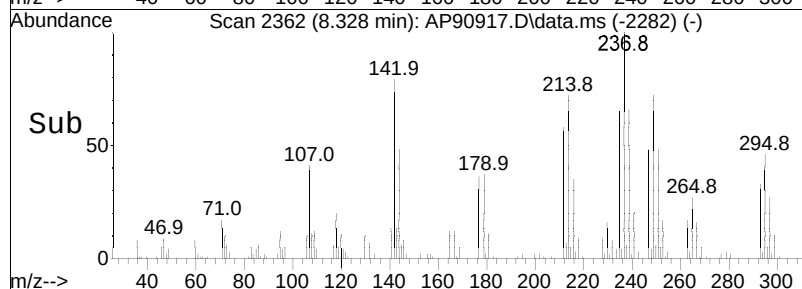
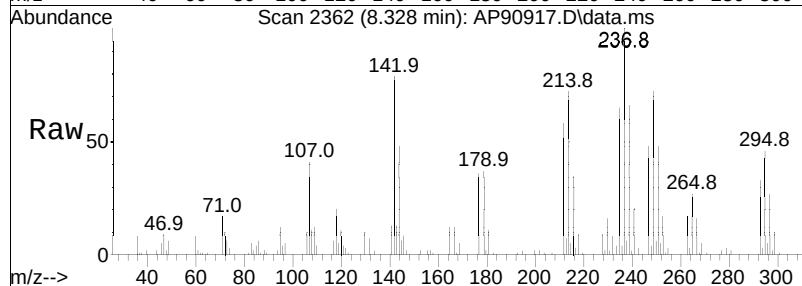
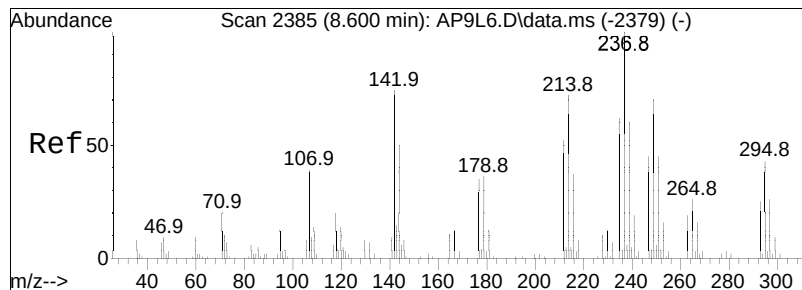
Ion Ratio Lower Upper

206 100

176 94.6 104.6 157.0#

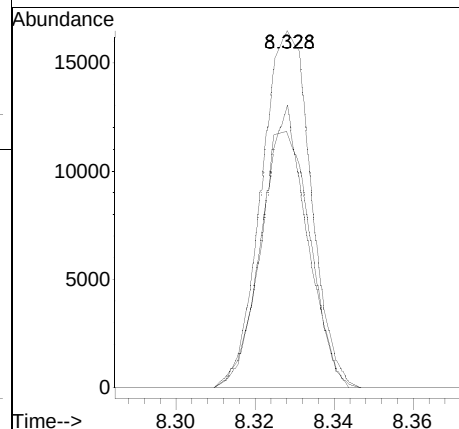
124 121.8 130.5 195.7#

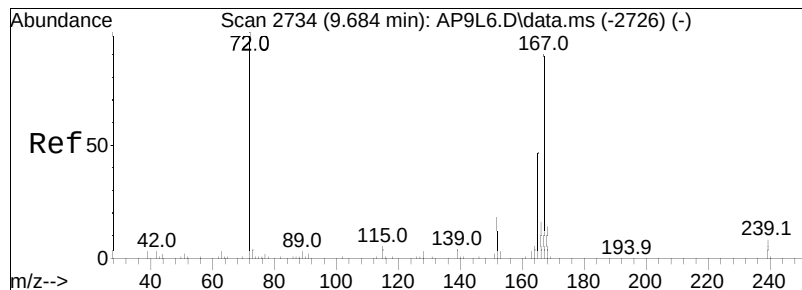




#85
 Pentachloronitrobenzene
 Concen: 4.30 ug/ml
 RT: 8.328 min Scan# 2362
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 10:13 am

Tgt Ion	Ratio	Lower	Upper
237	100		
142	72.3	77.0	115.4#
214	72.6	58.2	87.4





#99

Diphenamid

Concen: 4.14 ug/ml

RT: 9.416 min Scan# 2712

Delta R.T. 0.000 min

Lab File: AP90917.D

Acq: 17 Sep 2025 10:13 am

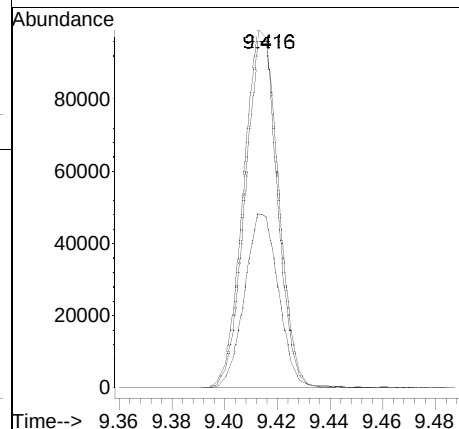
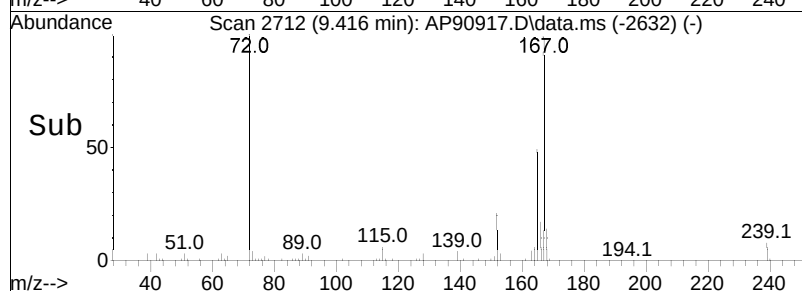
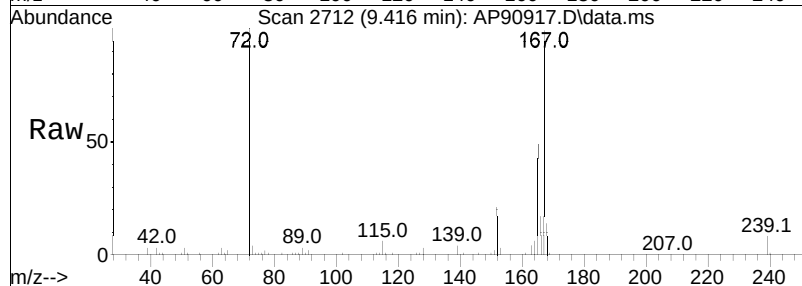
Tgt Ion:167 Resp: 85598

Ion Ratio Lower Upper

167 100

72 101.8 109.7 164.5#

165 50.3 41.8 62.6



Manual Integration Report

Data Path : I:\8270\SV106\250917RVT\ QMethod : FS250827SV106.m
Data File : AP90917.D Operator : SV106:als
Date Inj'd : 9/17/2025 10:13 am Instrument : SV 106
Sample : WG2116036-4,32,,AP9 11990 QMethod : 9/17/2025 11:04 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250917RVT\
 Data File : ADP0917.D
 Acq On : 17 Sep 2025 10:34 am
 Operator : SV106:als
 Sample : WG2116036-5,32,,ADP 11661 gmr0913A
 Misc : WG2116036,,ical22591
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 17 11:04:37 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:08 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	123	0.00
33 t	1,4-Dioxane	0.477	0.433	9.2	118	0.00
34 T	n-Decane	1.449	1.281	11.6	111	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	125	0.00
87 T	Atrazine	0.372	0.371	0.3	123	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	125	0.00
101 T	n-Octadecane	0.480	0.416	13.3	106	0.00
102 T	Parathion	* 5.000	4.144	17.1	119	0.00
103 T	3,3'-Dimethylbenzidine	* 5.000	4.075	18.5	101	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : ADP0917.D
 Acq On : 17 Sep 2025 10:34 am
 Operator : SV106:als
 Sample : WG2116036-5,32,,ADP 11661 gmr0913A
 Misc : WG2116036,,ical22591
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 17 11:04:37 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:08 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.036	152	38868	4.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	7.035	164	87242	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	8.474	188	174483	4.000	ug/ml	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.127	88	21037	4.541	ug/ml#	83
34) n-Decane	3.949	57	62240	4.420	ug/ml#	41
87) Atrazine	8.285	200	40464	4.988	ug/ml	92
101) n-Octadecane	8.505	57	90735	4.335	ug/ml#	1
102) Parathion	9.298	109	22373	4.144	ug/ml	95
103) 3,3'-Dimethylbenzidine	10.554	212	113309	4.075	ug/ml	99

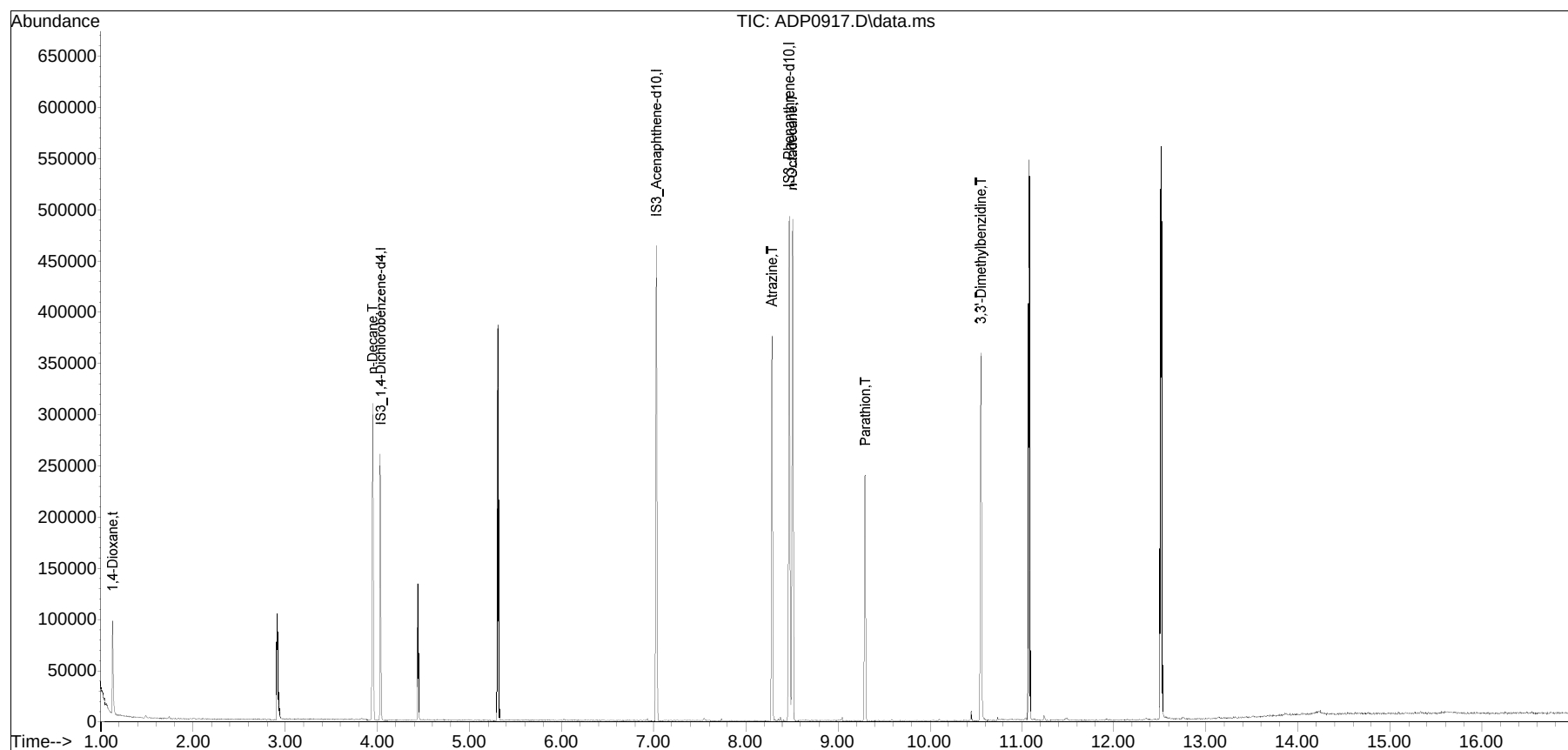
(#) = qualifier out of range (m) = manual integration (+) = signals summed

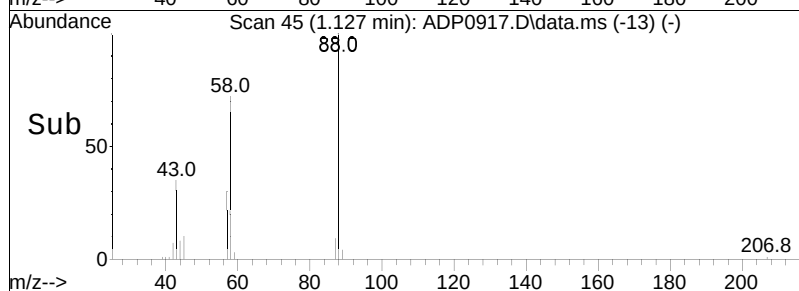
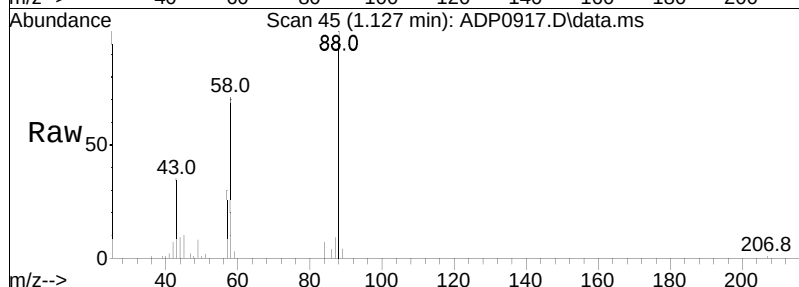
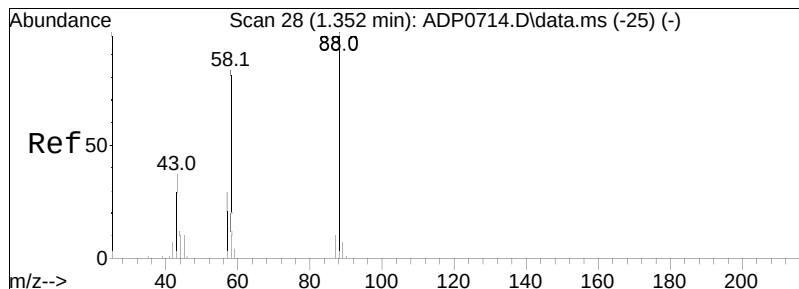
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : ADP0917.D
 Acq On : 17 Sep 2025 10:34 am
 Operator : SV106:als
 Sample : WG2116036-5,32,,ADP 11661 gmr0913A
 Misc : WG2116036,,ical22591
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 17 11:04:37 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:08 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist





#33

1,4-Dioxane

Concen: 4.54 ug/ml

RT: 1.127 min Scan# 45

Delta R.T. 0.000 min

Lab File: ADP0917.D

Acq: 17 Sep 2025 10:34 am

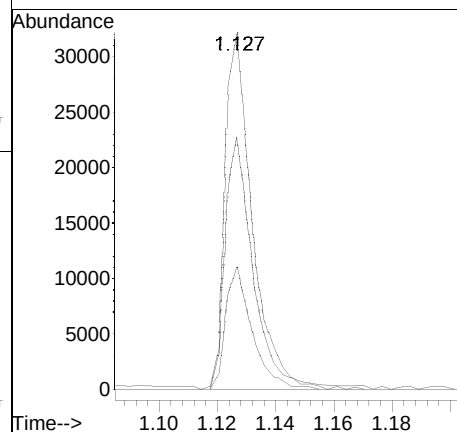
Tgt Ion: 88 Resp: 21037

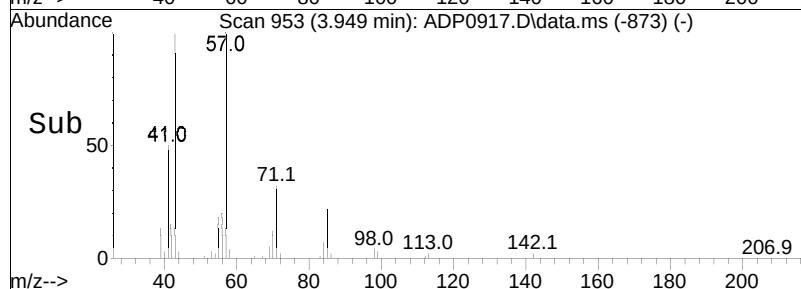
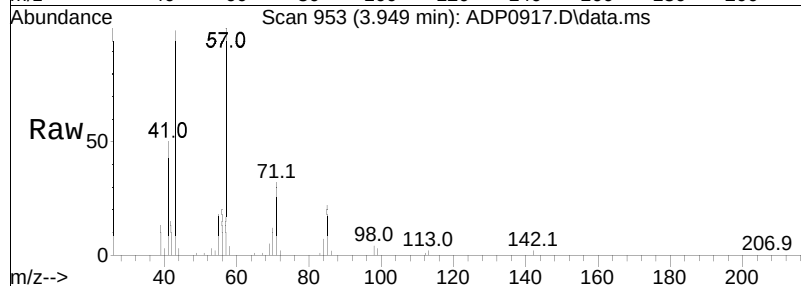
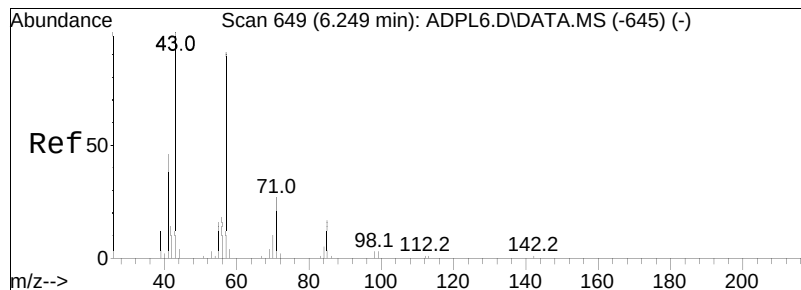
Ion Ratio Lower Upper

88 100

58 71.0 44.8 67.2#

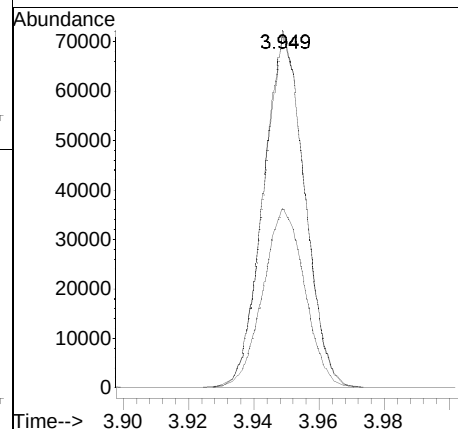
43 33.2 22.4 33.6

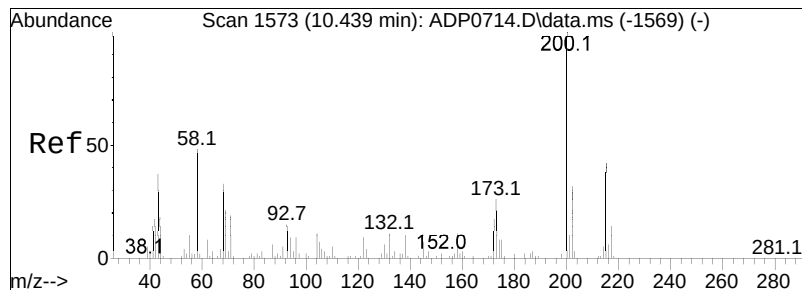




#34
n-Decane
Concen: 4.42 ug/ml
RT: 3.949 min Scan# 953
Delta R.T. 0.000 min
Lab File: ADP0917.D
Acq: 17 Sep 2025 10:34 am

Tgt Ion:	57	Resp:	62240
Ion Ratio	Lower	Upper	
57	100		
43	100.4	0.2	0.2#
41	51.6	0.2	0.2#





#87

Atrazine

Concen: 4.99 ug/ml

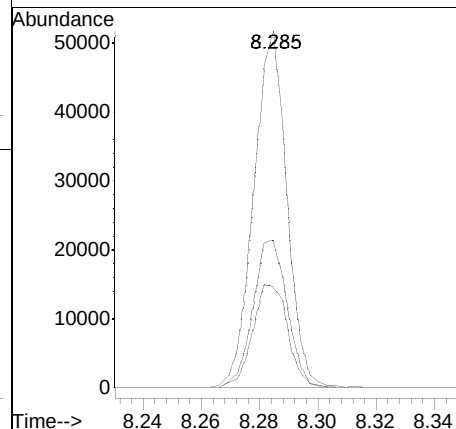
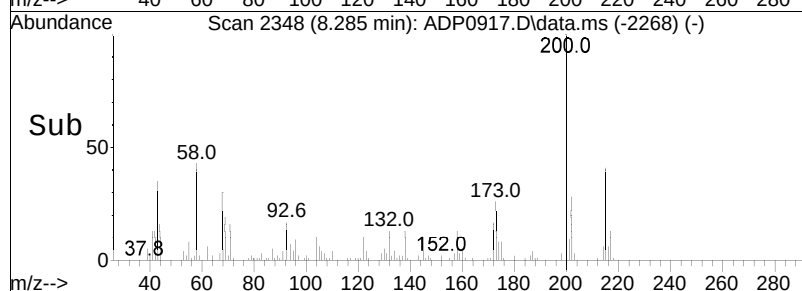
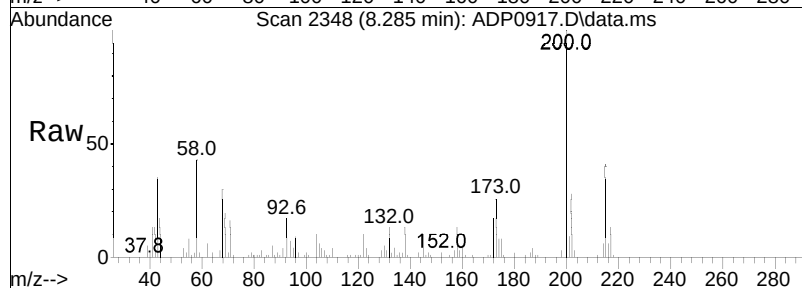
RT: 8.285 min Scan# 2348

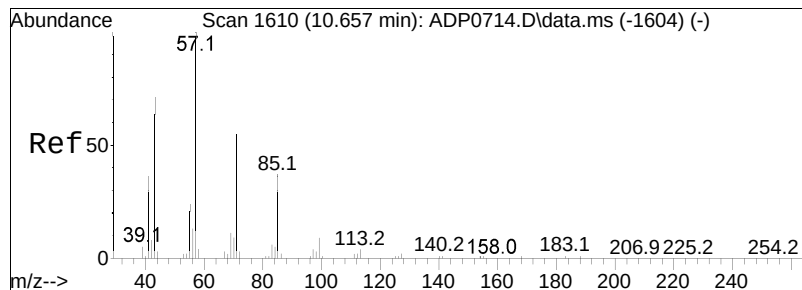
Delta R.T. 0.000 min

Lab File: ADP0917.D

Acq: 17 Sep 2025 10:34 am

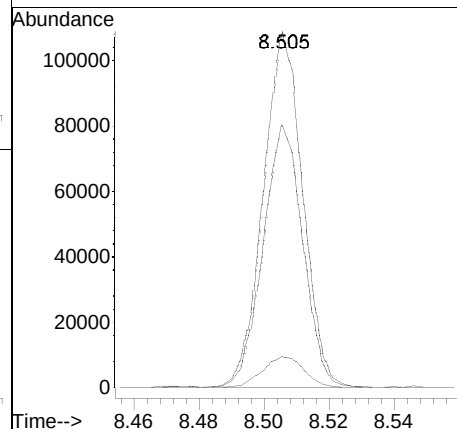
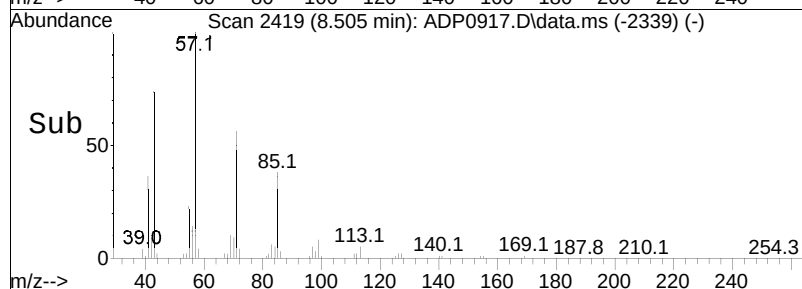
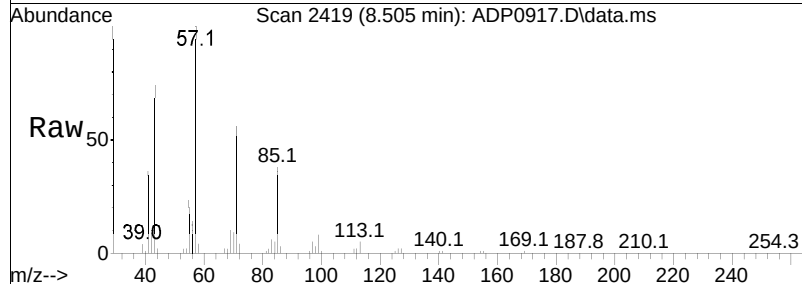
Tgt Ion	Ratio	Lower	Upper
200	100		
202	30.8	25.8	38.6
215	42.9	40.2	60.4

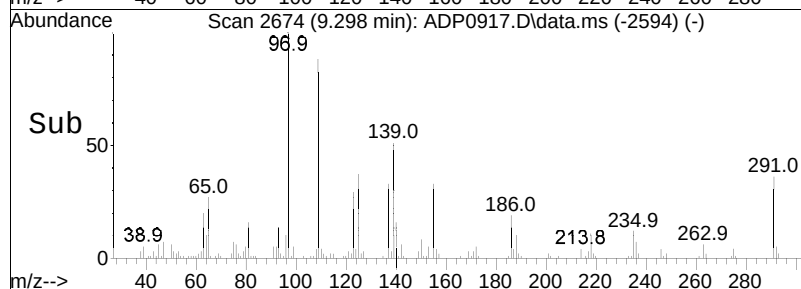
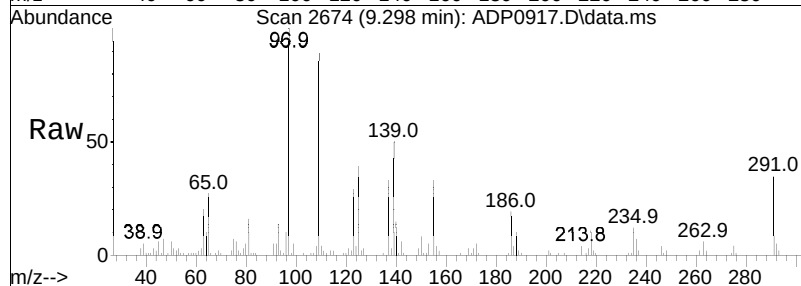
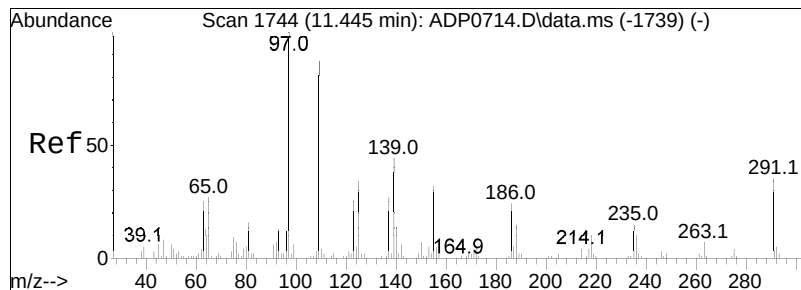




#101
 n-Octadecane
 Concen: 4.33 ug/ml
 RT: 8.505 min Scan# 2419
 Delta R.T. 0.000 min
 Lab File: ADP0917.D
 Acq: 17 Sep 2025 10:34 am

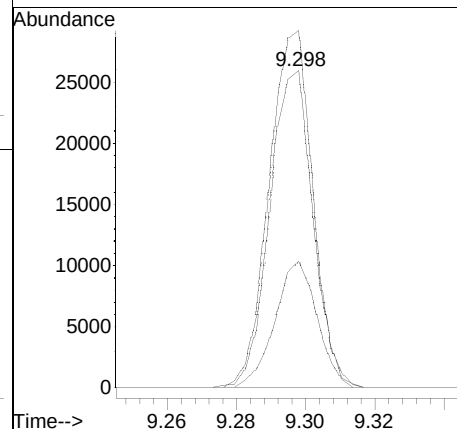
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	90735		
43	74.6		9.0	13.6#
70	9.2		0.2	0.2#

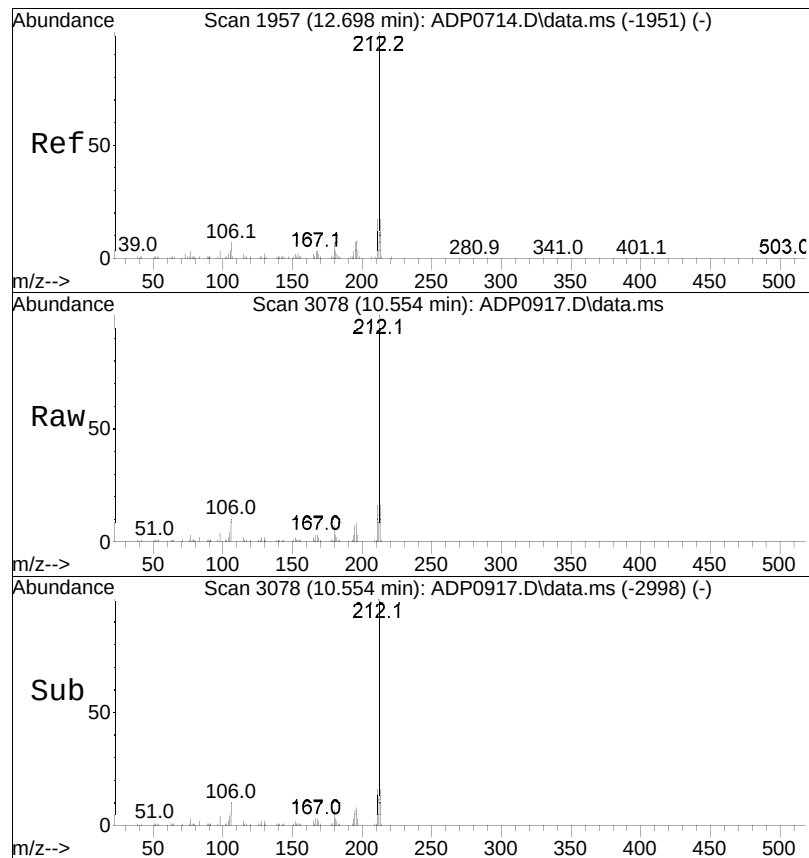




#102
 Parathion
 Concen: 4.14 ug/ml
 RT: 9.298 min Scan# 2674
 Delta R.T. 0.000 min
 Lab File: ADP0917.D
 Acq: 17 Sep 2025 10:34 am

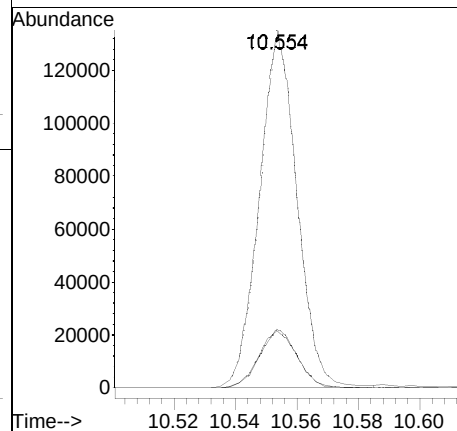
Tgt Ion:	109	Resp:	22373
Ion Ratio	Lower	Upper	
109	100		
97	114.0	87.4	131.2
291	39.1	34.2	51.2





#103
 3,3'-Dimethylbenzidine
 Concen: 4.08 ug/ml
 RT: 10.554 min Scan# 3078
 Delta R.T. 0.000 min
 Lab File: ADP0917.D
 Acq: 17 Sep 2025 10:34 am

Tgt Ion:	212	Resp:	113309
Ion Ratio	Lower	Upper	
212	100		
211	16.5	12.9	19.3
213	16.5	13.2	19.8



Manual Integration Report

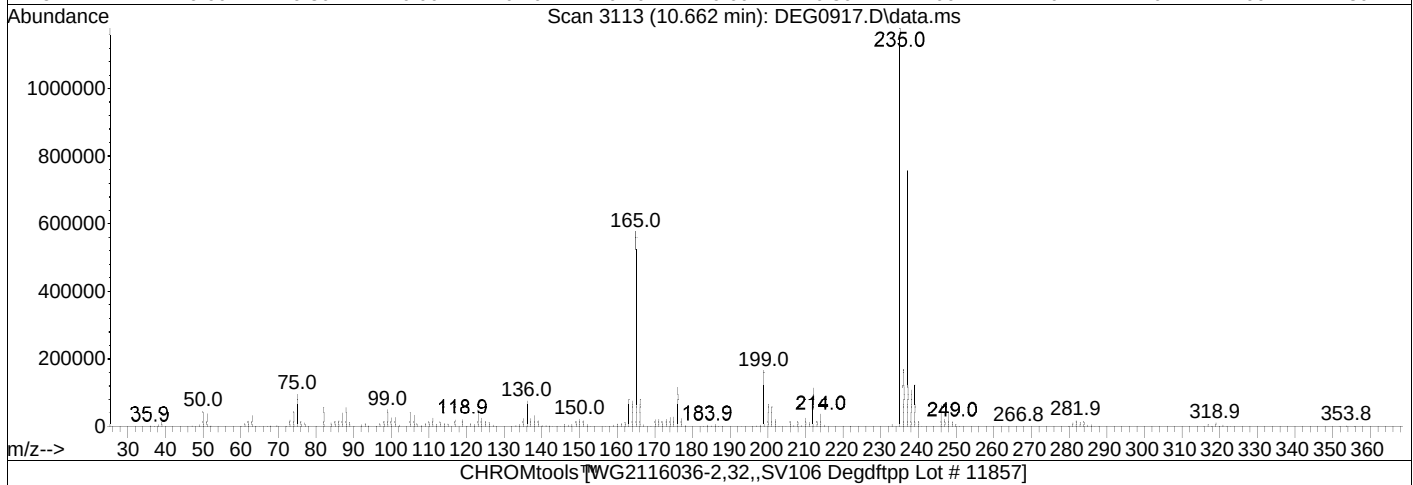
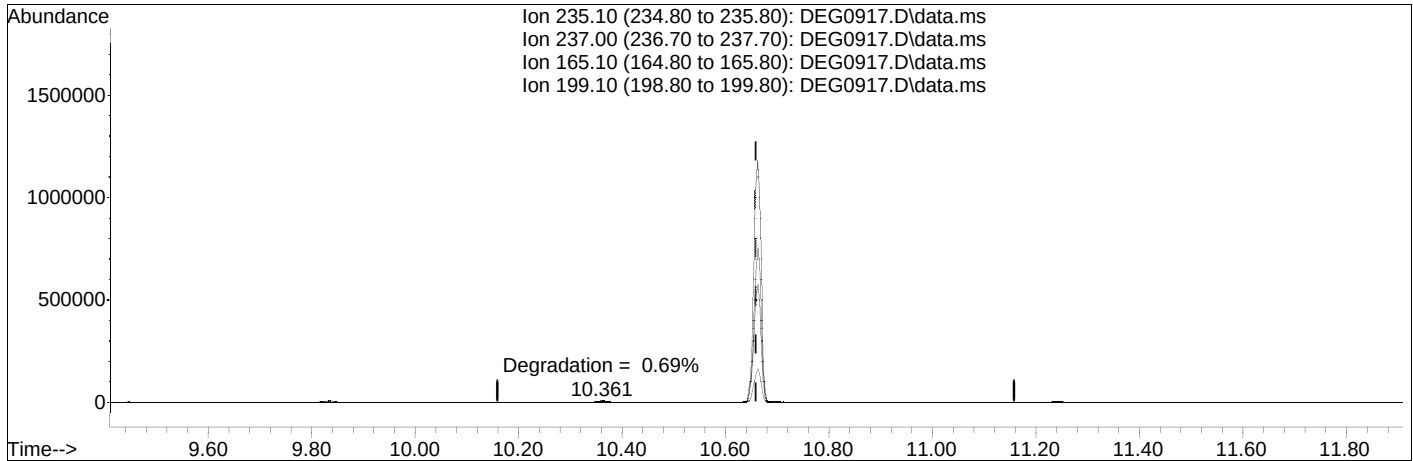
Data Path : I:\8270\SV106\250917RVT\ QMethod : FS250827SV106.m
Data File : ADP0917.D Operator : SV106:als
Date Inj'd : 9/17/2025 10:34 am Instrument : SV 106
Sample : WG2116036-5,32,,ADP 11661 QMethod : 9/17/2025 11:05 am

There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250917RVT\
Data File : DEG0917.D
Acq On : 17 Sep 2025 9:29 am
Operator : SV106:gmr
Sample : WG2116036-2,32,,SV106 Degdftpp Lot # 11857
Misc : WG2116036,,ical22591
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 17 09:51:53 2025
Quant Method : I:\8270\SV106\250917RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 16 21:08:36 2025
Response via : Initial Calibration



CHROMtools [WG2116036-2,32,,SV106 Degdftpp Lot # 11857]

(6) DDT (T)

10.662min (+ 0.003) 175.01

response 1066794

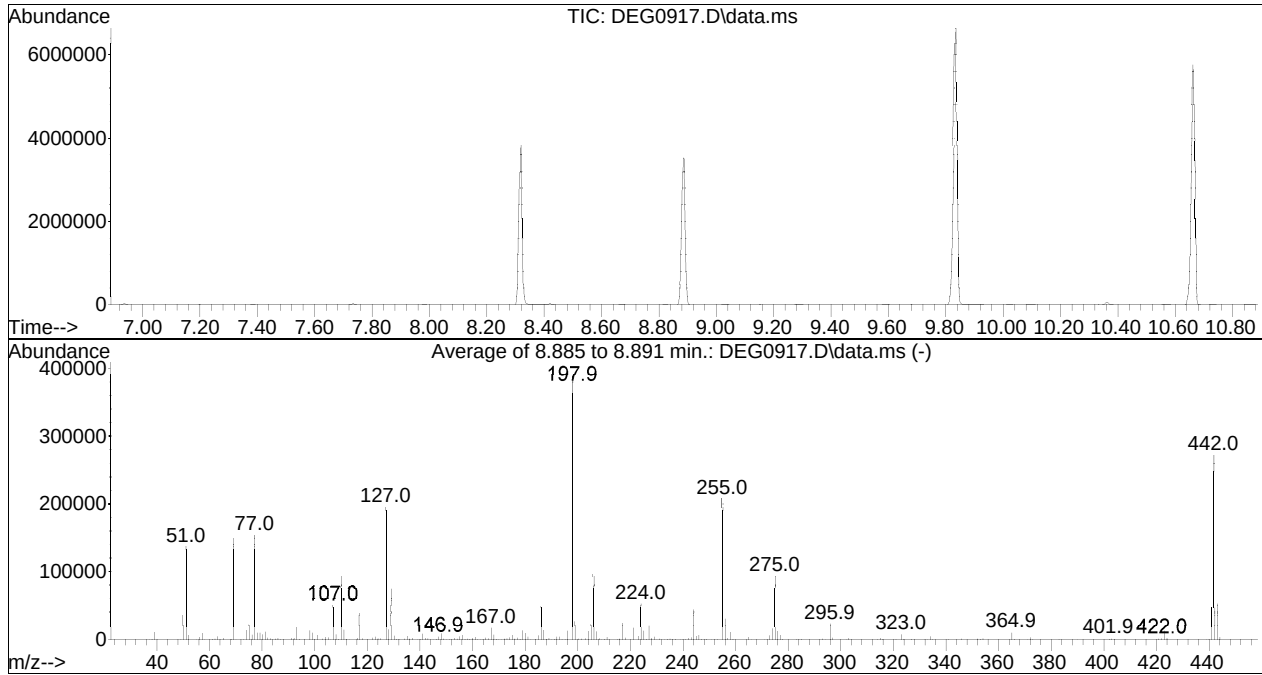
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.16
165.10	44.50	48.91
199.10	14.80	13.94

DFTPP

Data Path : I:\8270\SV106\250917RVT\
 Data File : DEG0917.D
 Acq On : 17 Sep 2025 9:29 am
 Operator : SV106:gmr
 Sample : WG2116036-1,32,,SV106 Degdftpp Lot # 11857
 Misc : WG2116036,,ical22591
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Wed Sep 17 11:05:06 2025



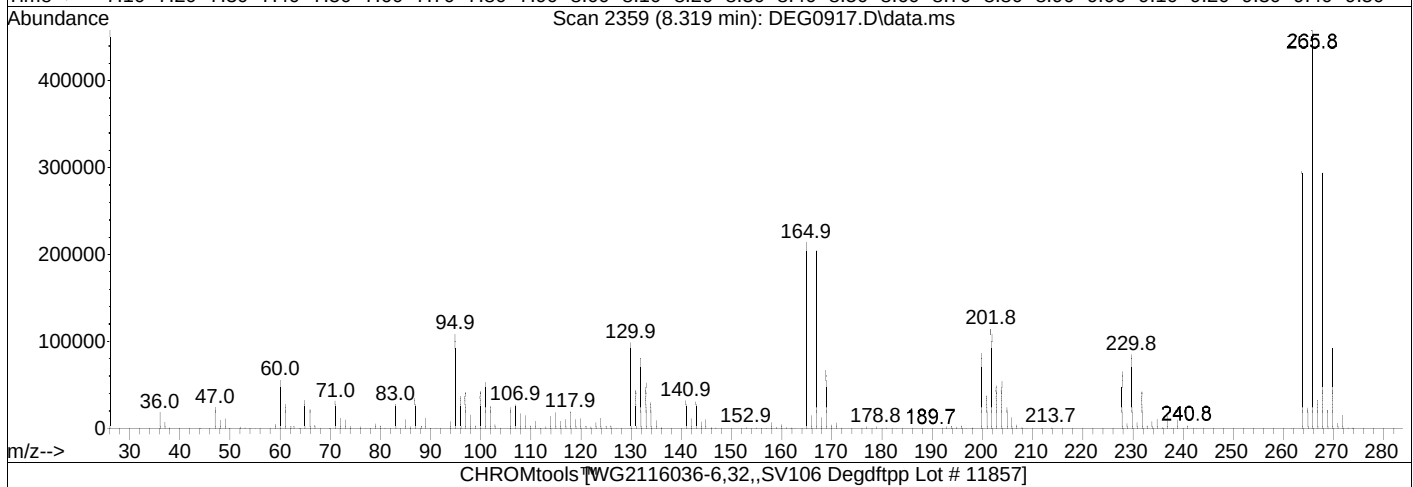
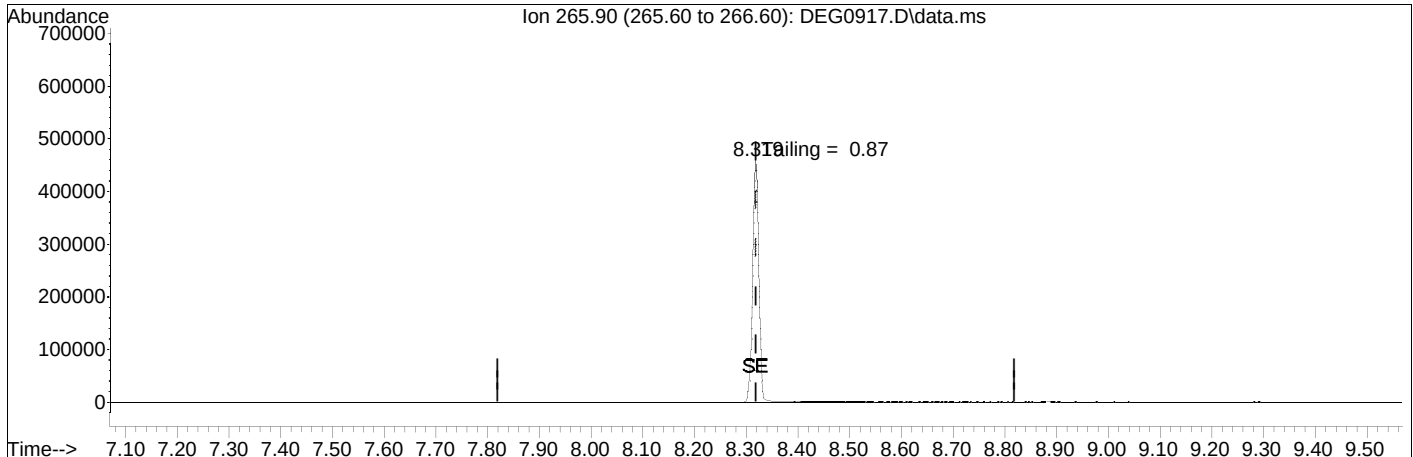
Spectrum Information: Average of 8.885 to 8.891 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.2	137027	PASS
68	69	0.00	2	1.0	1554	PASS
69	69	100	100	100.0	148384	PASS
70	69	0.00	2	0.4	625	PASS
127	198	10	80	50.1	195072	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	389525	PASS
199	198	5	9	6.8	26549	PASS
275	198	10	60	24.0	93616	PASS
365	198	1	100	2.6	9960	PASS
441	442	0.01	24	17.1	46544	PASS
442	198	50	100	69.8	272043	PASS
443	442	15	24	19.3	52579	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250917RVT\
Data File : DEG0917.D
Acq On : 17 Sep 2025 9:29 am
Operator : SV106:gmr
Sample : WG2116036-6,32,,SV106 Degdftpp Lot # 11857
Misc : WG2116036,,ical22591
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 17 09:51:53 2025
Quant Method : I:\8270\SV106\250917RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 16 21:08:36 2025
Response via : Initial Calibration



(1) Pentachlorophenol (T)

8.319min (-0.000) 171.85

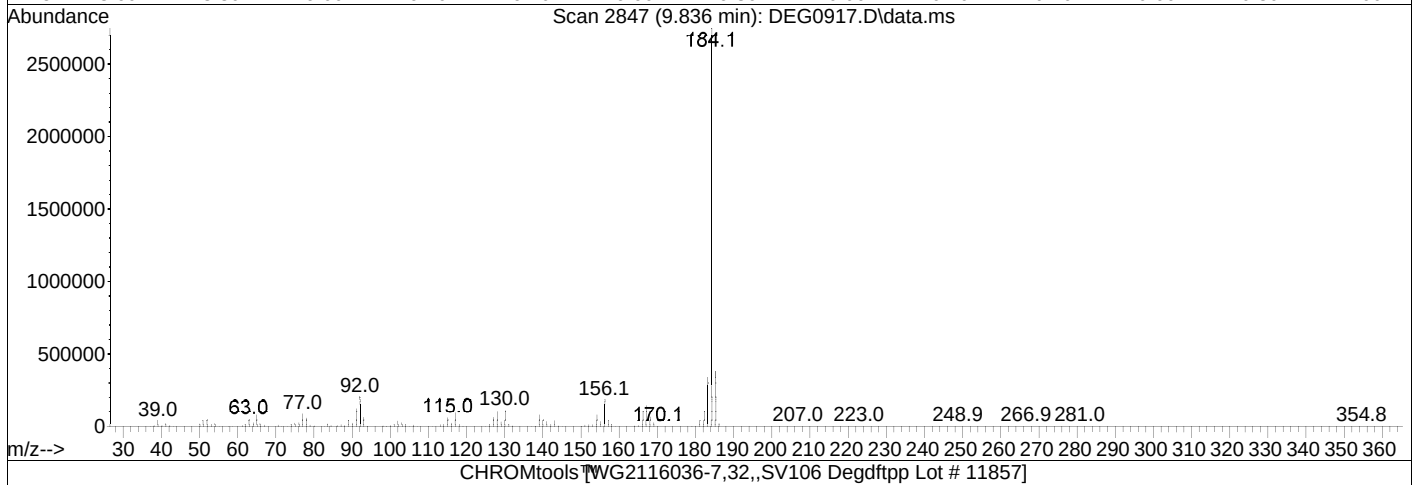
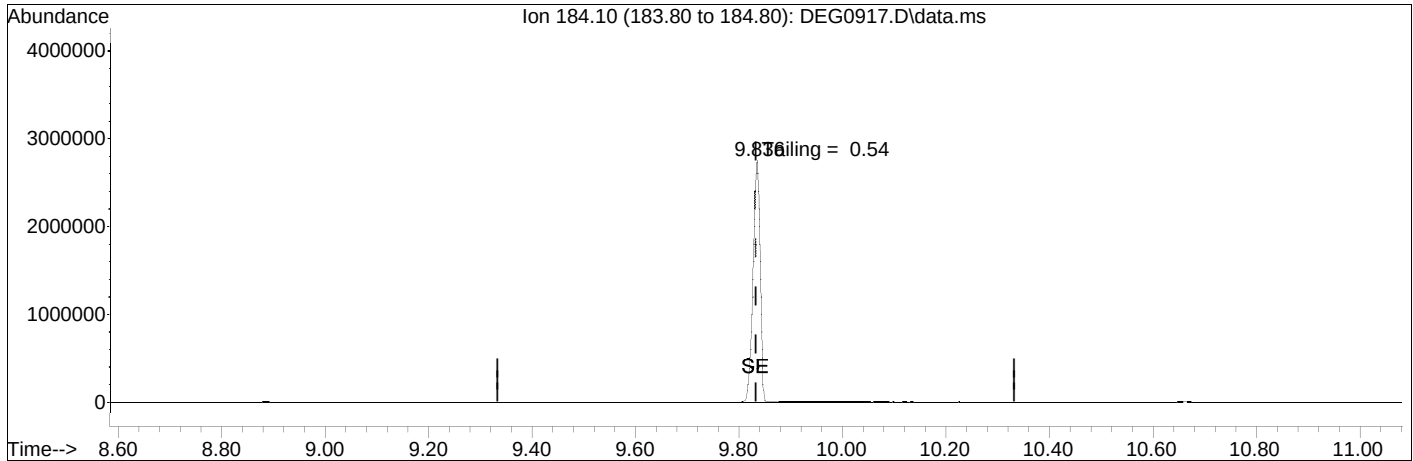
response 360944

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250917RVT\
Data File : DEG0917.D
Acq On : 17 Sep 2025 9:29 am
Operator : SV106:gm
Sample : WG2116036-7,32,,SV106 Degdftpp Lot # 11857
Misc : WG2116036,,ical22591
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 17 09:51:53 2025
Quant Method : I:\8270\SV106\250917RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 16 21:08:36 2025
Response via : Initial Calibration



(3) Benzidine (T)

9.836min (+ 0.003) 242.52

response 2468907

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	124	0
n-Nitrosodimethylamine	0.659	0.699	-	-6.1	20	119	0
Pyridine	1.237	0.692	-	44.1*	20	68	0
2-Fluorophenol	1.032	1.016	-	1.6	20	115	0
Aniline	1.692	1.67	-	1.3	20	114	0
2-Chlorophenol	1.228	1.22	-	0.7	20	118	0
Phenol-d6	1.268	1.281	-	-1	20	117	0
Phenol	1.412	1.396	-	1.1	20	118	0
Bis(2-chloroethyl)ether	1.193	1.123	-	5.9	20	118	0
1,3-Dichlorobenzene	1.558	1.416	-	9.1	20	113	0
1,4-Dichlorobenzene	1.592	1.457	-	8.5	20	114	0
1,2-Dichlorobenzene	1.528	1.43	-	6.4	20	117	0
Benzyl alcohol	0.928	0.94	-	-1.3	20	120	0
Bis(2-chloroisopropyl)ethe	1.867	1.858	-	0.5	20	123	0
2-Methylphenol	1.04	1.058	-	-1.7	20	121	0
Hexachloroethane	0.584	0.539	-	7.7	20	114	0
n-Nitrosodi-n-propylamine	0.823	0.804	-	2.3	20	116	0
3-Methylphenol/4-Methylphe	1.102	1.152	-	-4.5	20	122	0
Nitrobenzene-d5	1.172	1.178	-	-0.5	20	121	0
Nitrobenzene	1.19	1.205	-	-1.3	20	124	0
Isophorone	2.158	2.127	-	1.4	20	118	0
2-Nitrophenol	0.494	0.619	-	-25.3*	20	146	0
2,4-Dimethylphenol	1.154	1.216	-	-5.4	20	124	0
Bis(2-chloroethoxy)methane	1.45	1.451	-	-0.1	20	123	0
2,4-Dichlorophenol	1.111	1.175	-	-5.8	20	122	0
1,2,4-Trichlorobenzene	1.448	1.329	-	8.2	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	1.054	0.954	-	9.5	20	119	0
Benzoic Acid	5	4.118	-	17.6	20	105	0
4-Chloroaniline	0.12	0.113	-	5.8	20	119	0
Hexachlorobutadiene	0.231	0.197	-	14.7	20	115	0
p-Chloro-m-cresol	0.256	0.27	-	-5.5	20	129	0
2-Methylnaphthalene	0.632	0.597	-	5.5	20	121	0
1-Methylnaphthalene	0.24	0.223	-	7.1	20	120	0
Hexachlorocyclopentadiene	0.244	0.236	-	3.3	20	125	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	125	0
2,4,5-Trichlorophenol	0.23	0.254	-	-10.4	20	134	0
2-Fluorobiphenyl	0.872	0.8	-	8.3	20	121	0
2-Chloronaphthalene	0.734	0.687	-	6.4	20	123	0
2-Nitroaniline	0.159	0.189	-	-18.9	20	146	0
1,4-Dinitrobenzene	0.077	0.101	-	-31.2*	20	165	0
1,3-Dinitrobenzene	0.093	0.112	-	-20.4*	20	150	0
Dimethyl phthalate	0.769	0.795	-	-3.4	20	130	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.089	-	1	20	126	0
2,6-Dinitrotoluene	0.131	0.168	-	-28.2*	20	146	0
1,2-Dinitrobenzene	0.06	0.078	-	-30*	20	158	0
IS1_Acenaphthene-d10	1	1	-	0	20	136	0
3-Nitroaniline	0.246	0.303	-	-23.2*	20	151	0
Acenaphthene	1.144	1.06	-	7.3	20	131	0
2,4-Dinitrophenol	5	5.306	-	-6.1	20	164	0
Dibenzofuran	1.834	1.712	-	6.7	20	129	0
2,4-Dinitrotoluene	5	5.411	-	-8.2	20	154	0
4-Nitrophenol	0.185	0.225	-	-21.6*	20	153	0
2,3,5,6-Tetrachlorophenol	0.304	0.338	-	-11.2	20	140	0
2,3,4,6-Tetrachlorophenol	0.3	0.338	-	-12.7	20	142	0
Diethyl phthalate	1.28	1.274	-	0.5	20	133	0
Fluorene	1.409	1.368	-	2.9	20	131	0
4-Chlorophenyl phenyl ethe	0.719	0.665	-	7.5	20	130	0
4-Nitroaniline	0.246	0.294	-	-19.5	20	159	0
4,6-Dinitro-o-cresol	5	6.143	-	-22.9*	20	187	0
NDPA/DPA	1.112	1.112	-	0	20	131	0
Azobenzene	1.133	1.146	-	-1.1	20	134	0
2,4,6-Tribromophenol	0.152	0.171	-	-12.5	20	141	0
4-Bromophenyl phenyl ether	0.383	0.354	-	7.6	20	127	0
Hexachlorobenzene	0.399	0.381	-	4.5	20	134	0
Pentachlorophenol	0.216	0.237	-	-9.7	20	146	0
IS1_Phenanthrene-d10	1	1	-	0	20	149	0
Phenanthrene	1.146	1.048	-	8.6	20	139	0
Anthracene	1.122	1.041	-	7.2	20	138	0
Carbazole	0.975	0.984	-	-0.9	20	143	0
Di-n-butylphthalate	1.07	1.044	-	2.4	20	136	0
Fluoranthene	1.217	1.202	-	1.2	20	142	0
Benzidine	5	4.829	-	3.4	20	147	0
Pyrene	1.292	1.283	-	0.7	20	142	0
4-Terphenyl-d14	0.865	0.85	-	1.7	20	143	0
Butyl benzyl phthalate	5	4.759	-	4.8	20	161	0
IS1_Chrysene-d12	1	1	-	0	20	167	0
Benzo(a)anthracene	1.367	1.29	-	5.6	20	159	0
3,3'-Dichlorobenzidine	0.436	0.436	-	0	20	165	0
Chrysene	1.352	1.234	-	8.7	20	158	0
Bis(2-ethylhexyl)phthalate	5	4.147	-	17.1	20	150	0
Di-n-octylphthalate	5	4.228	-	15.4	20	159	0
Benzo(b)fluoranthene	1.185	1.148	-	3.1	20	166	0
Benzo(k)fluoranthene	1.199	1.178	-	1.8	20	163	0
Benzo(a)pyrene	1.101	1.057	-	4	20	162	0
IS1_Perylene-d12	1	1	-	0	20	181	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0916
Sample No : WG2115301-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/16/25 07:02
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.14	-	-2.6	20	175	0
Dibenzo(a,h)anthracene	1.154	1.167	-	-1.1	20	172	0
Benzo(ghi)perylene	1.15	1.159	-	-0.8	20	169	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0916
 Sample No : WG2115301-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:52
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
1,4-Dioxane	0.545	0.496	-	9	20	91	0
n-Decane	1.567	1.423	-	9.2	20	87	0
IS3_Acenaphthene-d10	1	1	-	0	20	95	0
Atrazine	0.33	0.365	-	-10.6	20	103	0
IS3_Phenanthrene-d10	1	1	-	0	20	105	0
n-Octadecane	0.441	0.392	-	11.1	20	90	0
Parathion	5	5.065	-	-1.3	20	121	0
3,3'-Dimethylbenzidine	5	4.241	-	15.2	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90916A
 Sample No : WG2115301-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 08:17
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
Benzaldehyde	0.605	0.676	-	-11.7	20	115	0
Acetophenone	1.796	1.783	-	0.7	20	102	0
m-Toluidine	1.129	1.24	-	-9.8	20	114	0
2-Chloroaniline	1.545	1.593	-	-3.1	20	105	0
IS2_Naphthalene-d8	1	1	-	0	20	106	0
a-Terpineol	0.25	0.259	-	-3.6	20	106	0
3-Chloroaniline	0.117	0.124	-	-6	20	102	0
2,6-Dichlorophenol	0.264	0.308	-	-16.7	20	114	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	115	0
Caprolactam	0.125	0.131	-	-4.8	20	115	0
1,2,4,5-Tetrachlorobenzene	0.415	0.407	-	1.9	20	107	0
Biphenyl	0.948	0.945	-	0.3	20	108	0
IS2_Acenaphthene-d10	1	1	-	0	20	110	0
Dichloran	0.145	0.149	-	-2.8	20	131	0
Pentachloronitrobenzene	0.133	0.159	-	-19.5	20	128	0
IS2_Phenanthrene-d10	1	1	-	0	20	121	0
Diphenamid	0.435	0.444	-	-2.1	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
n-Nitrosodimethylamine	0.66	0.638	-	3.3	20	117	0
Pyridine	1.131	0.712	-	37*	20	74	0
2-Fluorophenol	1.106	1.161	-	-5	20	124	0
Aniline	1.738	1.626	-	6.4	20	109	0
2-Chlorophenol	1.332	1.351	-	-1.4	20	120	0
Phenol-d6	1.318	1.355	-	-2.8	20	123	0
Phenol	1.441	1.371	-	4.9	20	115	0
Bis(2-chloroethyl)ether	1.143	1.093	-	4.4	20	117	0
1,3-Dichlorobenzene	1.598	1.561	-	2.3	20	119	0
1,4-Dichlorobenzene	1.634	1.607	-	1.7	20	121	0
1,2-Dichlorobenzene	1.572	1.532	-	2.5	20	121	0
Benzyl alcohol	0.964	0.925	-	4	20	116	0
Bis(2-chloroisopropyl)ethe	1.867	1.756	-	5.9	20	115	0
2-Methylphenol	1.104	1.097	-	0.6	20	119	0
Hexachloroethane	0.602	0.61	-	-1.3	20	121	0
n-Nitrosodi-n-propylamine	0.815	0.804	-	1.3	20	117	0
3-Methylphenol/4-Methylphe	1.207	1.177	-	2.5	20	118	0
Nitrobenzene-d5	1.226	1.242	-	-1.3	20	121	0
Nitrobenzene	1.26	1.251	-	0.7	20	118	0
Isophorone	2.296	2.198	-	4.3	20	114	0
2-Nitrophenol	0.64	0.694	-	-8.4	20	128	0
2,4-Dimethylphenol	1.271	1.264	-	0.6	20	116	0
Bis(2-chloroethoxy)methane	1.546	1.501	-	2.9	20	118	0
2,4-Dichlorophenol	1.17	1.185	-	-1.3	20	118	0
1,2,4-Trichlorobenzene	1.374	1.358	-	1.2	20	121	0
IS1_Naphthalene-d8	1	1	-	0	20	122	0
Naphthalene	1.082	1.044	-	3.5	20	118	0
Benzoic Acid	5	3.799	-	24*	20	103	0
4-Chloroaniline	0.117	0.109	-	6.8	20	109	0
Hexachlorobutadiene	0.2	0.201	-	-0.5	20	122	0
p-Chloro-m-cresol	0.284	0.276	-	2.8	20	116	0
2-Methylnaphthalene	0.641	0.634	-	1.1	20	122	0
1-Methylnaphthalene	0.227	0.223	-	1.8	20	122	0
Hexachlorocyclopentadiene	0.254	0.256	-	-0.8	20	121	0
2,4,6-Trichlorophenol	0.213	0.22	-	-3.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.251	-	-5	20	121	0
2-Fluorobiphenyl	0.821	0.804	-	2.1	20	121	0
2-Chloronaphthalene	0.727	0.702	-	3.4	20	119	0
2-Nitroaniline	0.206	0.221	-	-7.3	20	120	0
1,4-Dinitrobenzene	0.097	0.098	-	-1	20	118	0
1,3-Dinitrobenzene	0.112	0.114	-	-1.8	20	116	0
Dimethyl phthalate	0.857	0.822	-	4.1	20	115	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.157	-	1.1	20	116	0
2,6-Dinitrotoluene	0.167	0.177	-	-6	20	123	0
1,2-Dinitrobenzene	0.073	0.074	-	-1.4	20	114	0
IS1_Acenaphthene-d10	1	1	-	0	20	125	0
3-Nitroaniline	0.342	0.345	-	-0.9	20	118	0
Acenaphthene	1.136	1.055	-	7.1	20	118	0
2,4-Dinitrophenol	0.166	0.119	-	28.3*	20	95	0
Dibenzofuran	1.844	1.721	-	6.7	20	119	0
2,4-Dinitrotoluene	0.385	0.399	-	-3.6	20	117	0
4-Nitrophenol	0.238	0.248	-	-4.2	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.342	-	-0.6	20	117	0
2,3,4,6-Tetrachlorophenol	0.33	0.342	-	-3.6	20	117	0
Diethyl phthalate	1.516	1.384	-	8.7	20	113	0
Fluorene	1.447	1.31	-	9.5	20	115	0
4-Chlorophenyl phenyl ethe	0.688	0.639	-	7.1	20	117	0
4-Nitroaniline	0.337	0.338	-	-0.3	20	116	0
4,6-Dinitro-o-cresol	0.214	0.199	-	7	20	114	0
NDPA/DPA	1.209	1.153	-	4.6	20	117	0
Azobenzene	1.272	1.187	-	6.7	20	113	0
2,4,6-Tribromophenol	0.194	0.204	-	-5.2	20	128	0
4-Bromophenyl phenyl ether	0.424	0.399	-	5.9	20	121	0
Hexachlorobenzene	0.475	0.451	-	5.1	20	123	0
Pentachlorophenol	0.28	0.239	-	14.6	20	109	0
IS1_Phenanthrene-d10	1	1	-	0	20	126	0
Phenanthrene	1.202	1.076	-	10.5	20	116	0
Anthracene	1.178	1.095	-	7	20	117	0
Carbazole	1.081	1.02	-	5.6	20	115	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	119	0
Fluoranthene	1.296	1.224	-	5.6	20	118	0
Benzidine	0.831	0.838	-	-0.8	20	126	0
Pyrene	1.383	1.319	-	4.6	20	119	0
4-Terphenyl-d14	0.982	0.936	-	4.7	20	123	0
Butyl benzyl phthalate	0.529	0.571	-	-7.9	20	128	0
IS1_Chrysene-d12	1	1	-	0	20	129	0
Benzo(a)anthracene	1.349	1.235	-	8.5	20	121	0
3,3'-Dichlorobenzidine	0.464	0.498	-	-7.3	20	130	0
Chrysene	1.336	1.194	-	10.6	20	120	0
Bis(2-ethylhexyl)phthalate	0.846	0.886	-	-4.7	20	126	0
Di-n-octylphthalate	1.419	1.462	-	-3	20	130	0
Benzo(b)fluoranthene	1.278	1.219	-	4.6	20	126	0
Benzo(k)fluoranthene	1.303	1.236	-	5.1	20	119	0
Benzo(a)pyrene	1.197	1.178	-	1.6	20	124	0
IS1_Perylene-d12	1	1	-	0	20	131	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ABN0917
Sample No : WG2116036-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/17/25 09:51
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.067	-	6.5	20	121	0
Dibenzo(a,h)anthracene	1.181	1.118	-	5.3	20	122	0
Benzo(ghi)perylene	1.164	1.085	-	6.8	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90917
 Sample No : WG2116036-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:13
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
Benzaldehyde	0.645	0.553	-	14.3	20	107	0
Acetophenone	1.905	1.537	-	19.3	20	101	0
m-Toluidine	1.123	1.012	-	9.9	20	103	0
2-Chloroaniline	1.724	1.451	-	15.8	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	122	0
a-Terpineol	0.267	0.217	-	18.7	20	99	0
3-Chloroaniline	0.114	0.097	-	14.9	20	96	0
2,6-Dichlorophenol	0.285	0.255	-	10.5	20	107	0
1-chloro-2-nitrobenzene	0.135	0.119	-	11.9	20	107	0
Caprolactam	0.142	0.119	-	16.2	20	98	0
1,2,4,5-Tetrachlorobenzene	0.373	0.3	-	19.6	20	100	0
Biphenyl	0.931	0.735	-	21.1*	20	99	0
IS2_Acenaphthene-d10	1	1	-	0	20	122	0
Dichloran	0.158	0.129	-	18.4	20	98	0
Pentachloronitrobenzene	0.154	0.133	-	13.6	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	119	0
Diphenamid	0.487	0.403	-	17.2	20	94	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ADP0917
 Sample No : WG2116036-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:34
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
1,4-Dioxane	0.477	0.433	-	9.2	20	118	0
n-Decane	1.449	1.281	-	11.6	20	111	0
IS3_Acenaphthene-d10	1	1	-	0	20	125	0
Atrazine	0.372	0.371	-	0.3	20	123	0
IS3_Phenanthrene-d10	1	1	-	0	20	125	0
n-Octadecane	0.48	0.416	-	13.3	20	106	0
Parathion	5	4.144	-	17.1	20	119	0
3,3'-Dimethylbenzidine	5	4.075	-	18.5	20	101	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	135	0
n-Nitrosodimethylamine	0.594	0.581	-	2.2	20	133	0
Pyridine	5	4.372	-	12.6	20	139	0
2-Fluorophenol	0.881	0.967	-	-9.8	20	145	0
Aniline	1.484	1.494	-	-0.7	20	132	0
2-Chlorophenol	1.075	1.163	-	-8.2	20	146	0
Phenol-d6	1.175	1.279	-	-8.9	20	152	0
Phenol	1.351	1.313	-	2.8	20	131	0
Bis(2-chloroethyl)ether	0.968	0.948	-	2.1	20	137	0
1,3-Dichlorobenzene	1.515	1.415	-	6.6	20	131	0
1,4-Dichlorobenzene	1.532	1.444	-	5.7	20	130	0
1,2-Dichlorobenzene	1.467	1.458	-	0.6	20	136	0
Benzyl alcohol	0.829	0.931	-	-12.3	20	152	0
Bis(2-chloroisopropyl)ethe	1.724	1.349	-	21.8*	20	110	0
2-Methylphenol	0.915	0.985	-	-7.7	20	142	0
Hexachloroethane	0.539	0.504	-	6.5	20	131	0
n-Nitrosodi-n-propylamine	0.797	0.804	-	-0.9	20	139	0
3-Methylphenol/4-Methylphe	1.028	1.089	-	-5.9	20	147	0
Nitrobenzene-d5	1.117	1.136	-	-1.7	20	137	0
Nitrobenzene	1.128	1.171	-	-3.8	20	136	0
Isophorone	2.059	2.106	-	-2.3	20	135	0
2-Nitrophenol	0.53	0.609	-	-14.9	20	162	0
2,4-Dimethylphenol	1.061	1.17	-	-10.3	20	144	0
Bis(2-chloroethoxy)methane	1.369	1.283	-	6.3	20	128	0
2,4-Dichlorophenol	1.189	1.289	-	-8.4	20	150	0
1,2,4-Trichlorobenzene	1.494	1.478	-	1.1	20	134	0
IS1_Naphthalene-d8	1	1	-	0	20	139	0
Naphthalene	0.993	0.985	-	0.8	20	142	0
Benzoic Acid	5	8.053	-	-61.1*	20	283	0
4-Chloroaniline	0.127	0.109	-	14.2	20	129	0
Hexachlorobutadiene	0.27	0.221	-	18.1	20	118	0
p-Chloro-m-cresol	0.263	0.288	-	-9.5	20	154	0
2-Methylnaphthalene	0.656	0.673	-	-2.6	20	145	0
1-Methylnaphthalene	0.245	0.238	-	2.9	20	144	0
Hexachlorocyclopentadiene	0.306	0.291	-	4.9	20	129	0
2,4,6-Trichlorophenol	0.28	0.279	-	0.4	20	139	0
2,4,5-Trichlorophenol	0.31	0.341	-	-10	20	149	0
2-Fluorobiphenyl	0.987	0.947	-	4.1	20	136	0
2-Chloronaphthalene	0.81	0.81	-	0	20	141	0
2-Nitroaniline	0.204	0.233	-	-14.2	20	162	0
1,4-Dinitrobenzene	0.103	0.114	-	-10.7	20	156	0
1,3-Dinitrobenzene	0.117	0.128	-	-9.4	20	148	0
Dimethyl phthalate	1.014	0.999	-	1.5	20	136	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.314	-	-3.8	20	141	0
2,6-Dinitrotoluene	0.199	0.203	-	-2	20	144	0
1,2-Dinitrobenzene	0.074	0.076	-	-2.7	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	138	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	153	0
Acenaphthene	1.035	0.972	-	6.1	20	139	0
2,4-Dinitrophenol	0.158	0.137	-	13.3	20	128	0
Dibenzofuran	1.815	1.719	-	5.3	20	140	0
2,4-Dinitrotoluene	0.369	0.392	-	-6.2	20	145	0
4-Nitrophenol	0.204	0.219	-	-7.4	20	149	0
2,3,5,6-Tetrachlorophenol	0.37	0.42	-	-13.5	20	157	0
2,3,4,6-Tetrachlorophenol	0.387	0.397	-	-2.6	20	146	0
Diethyl phthalate	1.394	1.388	-	0.4	20	140	0
Fluorene	1.408	1.383	-	1.8	20	144	0
4-Chlorophenyl phenyl ethe	0.76	0.694	-	8.7	20	131	0
4-Nitroaniline	0.27	0.308	-	-14.1	20	159	0
4,6-Dinitro-o-cresol	0.236	0.231	-	2.1	20	141	0
NDPA/DPA	1.224	1.243	-	-1.6	20	146	0
Azobenzene	1.155	1.104	-	4.4	20	133	0
2,4,6-Tribromophenol	0.229	0.286	-	-24.9*	20	185	0
4-Bromophenyl phenyl ether	0.488	0.436	-	10.7	20	136	0
Hexachlorobenzene	0.564	0.548	-	2.8	20	143	0
Pentachlorophenol	0.306	0.338	-	-10.5	20	159	0
IS1_Phenanthrene-d10	1	1	-	0	20	140	0
Phenanthrene	1.097	1.023	-	6.7	20	140	0
Anthracene	1.058	1.024	-	3.2	20	140	0
Carbazole	0.981	0.972	-	0.9	20	143	0
Di-n-butylphthalate	1.04	1.069	-	-2.8	20	141	0
Fluoranthene	1.319	1.27	-	3.7	20	138	0
Benzidine	0.744	0.863	-	-16	20	164	0
Pyrene	1.411	1.339	-	5.1	20	135	0
4-Terphenyl-d14	1.035	0.972	-	6.1	20	133	0
Butyl benzyl phthalate	0.461	0.484	-	-5	20	152	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.167	-	4	20	129	0
3,3'-Dichlorobenzidine	0.438	0.518	-	-18.3	20	149	0
Chrysene	1.234	1.188	-	3.7	20	134	0
Bis(2-ethylhexyl)phthalate	0.579	0.7	-	-20.9*	20	141	0
Di-n-octylphthalate	1.024	1.181	-	-15.3	20	145	0
Benzo(b)fluoranthene	1.227	1.307	-	-6.5	20	142	0
Benzo(k)fluoranthene	1.227	1.307	-	-6.5	20	138	0
Benzo(a)pyrene	1.119	1.28	-	-14.4	20	147	0
IS1_Perylene-d12	1	1	-	0	20	139	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.144	-	-2	20	144	0
Dibenzo(a,h)anthracene	1.132	1.16	-	-2.5	20	145	0
Benzo(ghi)perylene	1.145	1.14	-	0.4	20	143	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90917
 Sample No : WG2116041-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 11:05
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	133	0
Benzaldehyde	0.534	0.502	-	6	20	136	0
Acetophenone	1.663	1.348	-	18.9	20	118	0
m-Toluidine	0.957	0.942	-	1.6	20	131	0
2-Chloroaniline	1.447	1.328	-	8.2	20	126	0
IS2_Naphthalene-d8	1	1	-	0	20	141	0
a-Terpineol	0.245	0.191	-	22*	20	116	0
3-Chloroaniline	0.122	0.099	-	18.9	20	121	0
2,6-Dichlorophenol	0.33	0.301	-	8.8	20	134	0
1-chloro-2-nitrobenzene	0.135	0.114	-	15.6	20	125	0
Caprolactam	0.128	0.101	-	21.1*	20	118	0
1,2,4,5-Tetrachlorobenzene	0.495	0.377	-	23.8*	20	115	0
Biphenyl	1.02	0.84	-	17.6	20	124	0
IS2_Acenaphthene-d10	1	1	-	0	20	142	0
Dichloran	0.199	0.145	-	27.1*	20	118	0
Pentachloronitrobenzene	0.197	0.151	-	23.4*	20	117	0
IS2_Phenanthrene-d10	1	1	-	0	20	144	0
Diphenamid	0.486	0.4	-	17.7	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ADP0917
 Sample No : WG2116041-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 11:27
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	134	0
1,4-Dioxane	0.411	0.375	-	8.8	20	125	0
n-Decane	1.27	0.912	-	28.2*	20	102	0
IS3_Acenaphthene-d10	1	1	-	0	20	146	0
Atrazine	0.486	0.418	-	14	20	132	0
IS3_Phenanthrene-d10	1	1	-	0	20	148	0
n-Octadecane	0.368	0.268	-	27.2*	20	114	0
Parathion	5	4.91	-	1.8	20	144	0
3,3'-Dimethylbenzidine	5	3.277	-	34.5*	20	99	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
n-Nitrosodimethylamine	0.66	0.8	-	-21.2*	20	133	0
Pyridine	1.131	0.872	-	22.9*	20	82	0
2-Fluorophenol	1.106	1.244	-	-12.5	20	120	0
Aniline	1.738	1.633	-	6	20	99	0
2-Chlorophenol	1.332	1.386	-	-4.1	20	111	0
Phenol-d6	1.318	1.377	-	-4.5	20	113	0
Phenol	1.441	1.406	-	2.4	20	107	0
Bis(2-chloroethyl)ether	1.143	1.104	-	3.4	20	106	0
1,3-Dichlorobenzene	1.598	1.574	-	1.5	20	108	0
1,4-Dichlorobenzene	1.634	1.577	-	3.5	20	107	0
1,2-Dichlorobenzene	1.572	1.527	-	2.9	20	108	0
Benzyl alcohol	0.964	0.913	-	5.3	20	103	0
Bis(2-chloroisopropyl)ethe	1.867	1.527	-	18.2	20	90	0
2-Methylphenol	1.104	1.083	-	1.9	20	106	0
Hexachloroethane	0.602	0.581	-	3.5	20	104	0
n-Nitrosodi-n-propylamine	0.815	0.734	-	9.9	20	96	0
3-Methylphenol/4-Methylphe	1.207	1.129	-	6.5	20	102	0
Nitrobenzene-d5	1.226	1.172	-	4.4	20	103	0
Nitrobenzene	1.26	1.161	-	7.9	20	99	0
Isophorone	2.296	2.205	-	4	20	104	0
2-Nitrophenol	0.64	0.742	-	-15.9	20	124	0
2,4-Dimethylphenol	1.271	1.332	-	-4.8	20	110	0
Bis(2-chloroethoxy)methane	1.546	1.517	-	1.9	20	108	0
2,4-Dichlorophenol	1.17	1.274	-	-8.9	20	115	0
1,2,4-Trichlorobenzene	1.374	1.414	-	-2.9	20	114	0
IS1_Naphthalene-d8	1	1	-	0	20	114	0
Naphthalene	1.082	1.021	-	5.6	20	108	0
Benzoic Acid	5	3.814	-	23.7*	20	97	0
4-Chloroaniline	0.117	0.105	-	10.3	20	97	0
Hexachlorobutadiene	0.2	0.205	-	-2.5	20	116	0
p-Chloro-m-cresol	0.284	0.292	-	-2.8	20	115	0
2-Methylnaphthalene	0.641	0.661	-	-3.1	20	119	0
1-Methylnaphthalene	0.227	0.228	-	-0.4	20	116	0
Hexachlorocyclopentadiene	0.254	0.278	-	-9.4	20	123	0
2,4,6-Trichlorophenol	0.213	0.237	-	-11.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.273	-	-14.2	20	123	0
2-Fluorobiphenyl	0.821	0.835	-	-1.7	20	117	0
2-Chloronaphthalene	0.727	0.738	-	-1.5	20	116	0
2-Nitroaniline	0.206	0.234	-	-13.6	20	119	0
1,4-Dinitrobenzene	0.097	0.107	-	-10.3	20	120	0
1,3-Dinitrobenzene	0.112	0.125	-	-11.6	20	119	0
Dimethyl phthalate	0.857	0.884	-	-3.2	20	116	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.213	-	-3.7	20	114	0
2,6-Dinitrotoluene	0.167	0.185	-	-10.8	20	120	0
1,2-Dinitrobenzene	0.073	0.081	-	-11	20	117	0
IS1_Acenaphthene-d10	1	1	-	0	20	121	0
3-Nitroaniline	0.342	0.341	-	0.3	20	114	0
Acenaphthene	1.136	1.069	-	5.9	20	116	0
2,4-Dinitrophenol	0.166	0.15	-	9.6	20	115	0
Dibenzofuran	1.844	1.734	-	6	20	116	0
2,4-Dinitrotoluene	0.385	0.411	-	-6.8	20	117	0
4-Nitrophenol	0.238	0.256	-	-7.6	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.362	-	-6.5	20	120	0
2,3,4,6-Tetrachlorophenol	0.33	0.35	-	-6.1	20	116	0
Diethyl phthalate	1.516	1.437	-	5.2	20	114	0
Fluorene	1.447	1.338	-	7.5	20	114	0
4-Chlorophenyl phenyl ethe	0.688	0.66	-	4.1	20	117	0
4-Nitroaniline	0.337	0.34	-	-0.9	20	113	0
4,6-Dinitro-o-cresol	0.214	0.234	-	-9.3	20	130	0
NDPA/DPA	1.209	1.152	-	4.7	20	113	0
Azobenzene	1.272	1.181	-	7.2	20	109	0
2,4,6-Tribromophenol	0.194	0.212	-	-9.3	20	129	0
4-Bromophenyl phenyl ether	0.424	0.4	-	5.7	20	118	0
Hexachlorobenzene	0.475	0.454	-	4.4	20	120	0
Pentachlorophenol	0.28	0.249	-	11.1	20	110	0
IS1_Phenanthrene-d10	1	1	-	0	20	124	0
Phenanthrene	1.202	1.074	-	10.6	20	114	0
Anthracene	1.178	1.096	-	7	20	115	0
Carbazole	1.081	1.014	-	6.2	20	112	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	117	0
Fluoranthene	1.296	1.221	-	5.8	20	116	0
Benzidine	0.831	0.817	-	1.7	20	121	0
Pyrene	1.383	1.316	-	4.8	20	117	0
4-Terphenyl-d14	0.982	0.938	-	4.5	20	121	0
Butyl benzyl phthalate	0.529	0.561	-	-6	20	123	0
IS1_Chrysene-d12	1	1	-	0	20	125	0
Benzo(a)anthracene	1.349	1.25	-	7.3	20	119	0
3,3'-Dichlorobenzidine	0.464	0.508	-	-9.5	20	129	0
Chrysene	1.336	1.2	-	10.2	20	117	0
Bis(2-ethylhexyl)phthalate	0.846	0.865	-	-2.2	20	120	0
Di-n-octylphthalate	1.419	1.473	-	-3.8	20	127	0
Benzo(b)fluoranthene	1.278	1.279	-	-0.1	20	129	0
Benzo(k)fluoranthene	1.303	1.202	-	7.8	20	113	0
Benzo(a)pyrene	1.197	1.189	-	0.7	20	121	0
IS1_Perylene-d12	1	1	-	0	20	130	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ABN0918
Sample No : WG2116472-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/18/25 07:46
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.09	-	4.5	20	123	0
Dibenzo(a,h)anthracene	1.181	1.14	-	3.5	20	124	0
Benzo(ghi)perylene	1.164	1.093	-	6.1	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90918
 Sample No : WG2116472-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 08:07
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	119	0
Benzaldehyde	0.645	0.577	-	10.5	20	109	0
Acetophenone	1.905	1.506	-	20.9*	20	96	0
m-Toluidine	1.123	1.023	-	8.9	20	101	0
2-Chloroaniline	1.724	1.445	-	16.2	20	98	0
IS2_Naphthalene-d8	1	1	-	0	20	120	0
a-Terpineol	0.267	0.21	-	21.3*	20	94	0
3-Chloroaniline	0.114	0.098	-	14	20	95	0
2,6-Dichlorophenol	0.285	0.252	-	11.6	20	104	0
1-chloro-2-nitrobenzene	0.135	0.121	-	10.4	20	106	0
Caprolactam	0.142	0.115	-	19	20	93	0
1,2,4,5-Tetrachlorobenzene	0.373	0.315	-	15.5	20	104	0
Biphenyl	0.931	0.74	-	20.5*	20	98	0
IS2_Acenaphthene-d10	1	1	-	0	20	121	0
Dichloran	0.158	0.147	-	7	20	111	0
Pentachloronitrobenzene	0.154	0.147	-	4.5	20	109	0
IS2_Phenanthrene-d10	1	1	-	0	20	122	0
Diphenamid	0.487	0.42	-	13.8	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ADP0918
 Sample No : WG2116472-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 08:29
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	126	0
1,4-Dioxane	0.477	0.416	-	12.8	20	116	0
n-Decane	1.449	1.28	-	11.7	20	113	0
IS3_Acenaphthene-d10	1	1	-	0	20	128	0
Atrazine	0.372	0.384	-	-3.2	20	131	0
IS3_Phenanthrene-d10	1	1	-	0	20	130	0
n-Octadecane	0.48	0.426	-	11.2	20	113	0
Parathion	5	4.37	-	12.6	20	132	0
3,3'-Dimethylbenzidine	5	3.904	-	21.9*	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
n-Nitrosodimethylamine	0.792	0.687	-	13.3	20	83	0
Pyridine	1.349	0.723	-	46.4*	20	55	0
2-Fluorophenol	1.105	1.046	-	5.3	20	89	0
Aniline	5	3.882	-	22.4*	20	83	0
2-Chlorophenol	1.287	1.18	-	8.3	20	85	0
Phenol-d6	1.428	1.281	-	10.3	20	83	0
Phenol	1.581	1.444	-	8.7	20	87	0
Bis(2-chloroethyl)ether	1.319	1.125	-	14.7	20	84	0
1,3-Dichlorobenzene	1.573	1.402	-	10.9	20	88	0
1,4-Dichlorobenzene	1.611	1.427	-	11.4	20	87	0
1,2-Dichlorobenzene	1.557	1.381	-	11.3	20	87	0
Benzyl alcohol	1.122	0.955	-	14.9	20	82	0
Bis(2-chloroisopropyl)ethe	2.148	1.727	-	19.6	20	78	0
2-Methylphenol	1.155	1.052	-	8.9	20	85	0
Hexachloroethane	0.596	0.511	-	14.3	20	84	0
n-Nitrosodi-n-propylamine	1.032	0.807	-	21.8*	20	75	0
3-Methylphenol/4-Methylphe	1.27	1.141	-	10.2	20	86	0
Nitrobenzene-d5	1.354	1.239	-	8.5	20	86	0
Nitrobenzene	1.405	1.24	-	11.7	20	84	0
Isophorone	2.849	2.221	-	22*	20	73	0
2-Nitrophenol	5	4.382	-	12.4	20	100	0
2,4-Dimethylphenol	1.51	1.236	-	18.1	20	80	0
Bis(2-chloroethoxy)methane	1.807	1.522	-	15.8	20	80	0
2,4-Dichlorophenol	1.335	1.192	-	10.7	20	86	0
1,2,4-Trichlorobenzene	1.539	1.35	-	12.3	20	87	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.063	0.98	-	7.8	20	85	0
Benzoic Acid	5	3.085	-	38.3*	20	48	0
4-Chloroaniline	0.144	0.127	-	11.8	20	79	0
Hexachlorobutadiene	0.253	0.232	-	8.3	20	85	0
p-Chloro-m-cresol	0.329	0.283	-	14	20	76	0
2-Methylnaphthalene	0.674	0.628	-	6.8	20	85	0
1-Methylnaphthalene	0.269	0.228	-	15.2	20	79	0
Hexachlorocyclopentadiene	5	4.52	-	9.6	20	90	0
2,4,6-Trichlorophenol	5	4.244	-	15.1	20	86	0
2,4,5-Trichlorophenol	5	4.237	-	15.3	20	80	0
2-Fluorobiphenyl	0.927	0.839	-	9.5	20	80	0
2-Chloronaphthalene	0.786	0.715	-	9	20	82	0
2-Nitroaniline	5	4.043	-	19.1	20	85	0
1,4-Dinitrobenzene	0.128	0.106	-	17.2	20	85	0
1,3-Dinitrobenzene	0.145	0.125	-	13.8	20	89	0
Dimethyl phthalate	0.996	0.9	-	9.6	20	78	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.282	1.189	-	7.3	20	79	0
2,6-Dinitrotoluene	5	4.107	-	17.9	20	82	0
1,2-Dinitrobenzene	0.094	0.084	-	10.6	20	90	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	5	4.254	-	14.9	20	80	0
Acenaphthene	1.102	1.024	-	7.1	20	81	0
2,4-Dinitrophenol	5	3.852	-	23*	20	72	0
Dibenzofuran	1.833	1.733	-	5.5	20	80	0
2,4-Dinitrotoluene	5	4.624	-	7.5	20	88	0
4-Nitrophenol	5	4.252	-	15	20	76	0
2,3,5,6-Tetrachlorophenol	5	4.361	-	12.8	20	82	0
2,3,4,6-Tetrachlorophenol	5	4.288	-	14.2	20	78	0
Diethyl phthalate	1.565	1.414	-	9.6	20	75	0
Fluorene	1.489	1.373	-	7.8	20	78	0
4-Chlorophenyl phenyl ethe	0.783	0.711	-	9.2	20	80	0
4-Nitroaniline	5	4.242	-	15.2	20	78	0
4,6-Dinitro-o-cresol	5	4.413	-	11.7	20	85	0
NDPA/DPA	1.246	1.19	-	4.5	20	80	0
Azobenzene	1.371	1.235	-	9.9	20	72	0
2,4,6-Tribromophenol	0.254	0.244	-	3.9	20	83	0
4-Bromophenyl phenyl ether	0.512	0.46	-	10.2	20	77	0
Hexachlorobenzene	0.607	0.541	-	10.9	20	79	0
Pentachlorophenol	5	4.673	-	6.5	20	91	0
IS1_Phenanthrene-d10	1	1	-	0	20	92	0
Phenanthrene	1.099	1.039	-	5.5	20	80	0
Anthracene	1.091	1.061	-	2.7	20	80	0
Carbazole	0.993	0.963	-	3	20	78	0
Di-n-butylphthalate	1.164	1.109	-	4.7	20	75	0
Fluoranthene	1.329	1.263	-	5	20	77	0
Benzidine	5	4.422	-	11.6	20	77	0
Pyrene	1.367	1.336	-	2.3	20	78	0
4-Terphenyl-d14	1.068	1.018	-	4.7	20	79	0
Butyl benzyl phthalate	5	4.323	-	13.5	20	80	0
IS1_Chrysene-d12	1	1	-	0	20	93	0
Benzo(a)anthracene	1.308	1.21	-	7.5	20	79	0
3,3'-Dichlorobenzidine	0.473	0.447	-	5.5	20	75	0
Chrysene	1.216	1.17	-	3.8	20	80	0
Bis(2-ethylhexyl)phthalate	5	4.21	-	15.8	20	76	0
Di-n-octylphthalate	5	3.913	-	21.7*	20	76	0
Benzo(b)fluoranthene	1.283	1.311	-	-2.2	20	88	0
Benzo(k)fluoranthene	1.251	1.105	-	11.7	20	70	0
Benzo(a)pyrene	1.188	1.116	-	6.1	20	77	0
IS1_Perylene-d12	1	1	-	0	20	93	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV112
Lab File ID : ABN0928
Sample No : WG2120745-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 17:46
Init. Calib. Date(s) : 08/17/25 08/18/25
Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.105	1.13	-	-2.3	20	84	0
Dibenzo(a,h)anthracene	1.064	1.082	-	-1.7	20	82	0
Benzo(ghi)perylene	1.105	1.085	-	1.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : AP90928
 Sample No : WG2120745-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:09
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
Benzaldehyde	0.597	0.984	-	-64.8*	20	163	0
Acetophenone	1.98	1.731	-	12.6	20	86	0
m-Toluidine	1.191	1.473	-	-23.7*	20	115	0
2-Chloroaniline	1.688	1.55	-	8.2	20	88	0
IS2_Naphthalene-d8	1	1	-	0	20	89	0
a-Terpineol	0.298	0.305	-	-2.3	20	94	0
3-Chloroaniline	0.138	0.151	-	-9.4	20	99	0
2,6-Dichlorophenol	0.282	0.319	-	-13.1	20	99	0
1-chloro-2-nitrobenzene	0.137	0.141	-	-2.9	20	93	0
Caprolactam	0.177	0.153	-	13.6	20	79	0
1,2,4,5-Tetrachlorobenzene	0.443	0.425	-	4.1	20	89	0
Biphenyl	0.978	0.915	-	6.4	20	87	0
IS2_Acenaphthene-d10	1	1	-	0	20	86	0
Dichloran	0.179	0.192	-	-7.3	20	99	0
Pentachloronitrobenzene	0.205	0.208	-	-1.5	20	92	0
IS2_Phenanthrene-d10	1	1	-	0	20	86	0
Diphenamid	0.494	0.478	-	3.2	20	85	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ADP0928
 Sample No : WG2120745-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:31
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	105	0
1,4-Dioxane	0.546	0.465	-	14.8	20	97	0
n-Decane	1.602	1.494	-	6.7	20	99	0
IS3_Acenaphthene-d10	1	1	-	0	20	88	0
Atrazine	0.463	0.429	-	7.3	20	80	0
IS3_Phenanthrene-d10	1	1	-	0	20	84	0
n-Octadecane	0.496	0.435	-	12.3	20	74	0
Parathion	0.106	0.091	-	14.2	20	77	0
3,3'-Dimethylbenzidine	0.737	0.592	-	19.7	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	128	0
n-Nitrosodimethylamine	0.594	0.512	-	13.8	20	111	0
Pyridine	5	3.261	-	34.8*	20	97	0
2-Fluorophenol	0.881	0.827	-	6.1	20	118	0
Aniline	1.484	1.336	-	10	20	112	0
2-Chlorophenol	1.075	1.088	-	-1.2	20	129	0
Phenol-d6	1.175	1.084	-	7.7	20	122	0
Phenol	1.351	1.181	-	12.6	20	112	0
Bis(2-chloroethyl)ether	0.968	0.811	-	16.2	20	111	0
1,3-Dichlorobenzene	1.515	1.373	-	9.4	20	120	0
1,4-Dichlorobenzene	1.532	1.408	-	8.1	20	120	0
1,2-Dichlorobenzene	1.467	1.396	-	4.8	20	123	0
Benzyl alcohol	0.829	0.838	-	-1.1	20	130	0
Bis(2-chloroisopropyl)ethe	1.724	1.05	-	39.1*	20	81	0
2-Methylphenol	0.915	0.908	-	0.8	20	125	0
Hexachloroethane	0.539	0.502	-	6.9	20	124	0
n-Nitrosodi-n-propylamine	0.797	0.735	-	7.8	20	120	0
3-Methylphenol/4-Methylphe	1.028	1.003	-	2.4	20	129	0
Nitrobenzene-d5	1.117	1.094	-	2.1	20	125	0
Nitrobenzene	1.128	1.053	-	6.6	20	116	0
Isophorone	2.059	1.916	-	6.9	20	117	0
2-Nitrophenol	0.53	0.633	-	-19.4	20	160	0
2,4-Dimethylphenol	1.061	1.136	-	-7.1	20	133	0
Bis(2-chloroethoxy)methane	1.369	1.153	-	15.8	20	110	0
2,4-Dichlorophenol	1.189	1.272	-	-7	20	141	0
1,2,4-Trichlorobenzene	1.494	1.504	-	-0.7	20	130	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	0.993	0.934	-	5.9	20	125	0
Benzoic Acid	5	5.504	-	-10.1	20	170	0
4-Chloroaniline	0.127	0.103	-	18.9	20	113	0
Hexachlorobutadiene	0.27	0.246	-	8.9	20	122	0
p-Chloro-m-cresol	0.263	0.267	-	-1.5	20	133	0
2-Methylnaphthalene	0.656	0.659	-	-0.5	20	132	0
1-Methylnaphthalene	0.245	0.24	-	2	20	135	0
Hexachlorocyclopentadiene	0.306	0.327	-	-6.9	20	135	0
2,4,6-Trichlorophenol	0.28	0.302	-	-7.9	20	140	0
2,4,5-Trichlorophenol	0.31	0.333	-	-7.4	20	136	0
2-Fluorobiphenyl	0.987	0.943	-	4.5	20	126	0
2-Chloronaphthalene	0.81	0.817	-	-0.9	20	132	0
2-Nitroaniline	0.204	0.226	-	-10.8	20	146	0
1,4-Dinitrobenzene	0.103	0.119	-	-15.5	20	151	0
1,3-Dinitrobenzene	0.117	0.135	-	-15.4	20	145	0
Dimethyl phthalate	1.014	1.016	-	-0.2	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.291	-	-2	20	129	0
2,6-Dinitrotoluene	0.199	0.21	-	-5.5	20	138	0
1,2-Dinitrobenzene	0.074	0.082	-	-10.8	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	128	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	142	0
Acenaphthene	1.035	0.964	-	6.9	20	128	0
2,4-Dinitrophenol	0.158	0.172	-	-8.9	20	149	0
Dibenzofuran	1.815	1.71	-	5.8	20	128	0
2,4-Dinitrotoluene	0.369	0.418	-	-13.3	20	143	0
4-Nitrophenol	0.204	0.244	-	-19.6	20	154	0
2,3,5,6-Tetrachlorophenol	0.37	0.41	-	-10.8	20	142	0
2,3,4,6-Tetrachlorophenol	0.387	0.406	-	-4.9	20	138	0
Diethyl phthalate	1.394	1.394	-	0	20	130	0
Fluorene	1.408	1.398	-	0.7	20	134	0
4-Chlorophenyl phenyl ethe	0.76	0.71	-	6.6	20	124	0
4-Nitroaniline	0.27	0.307	-	-13.7	20	147	0
4,6-Dinitro-o-cresol	0.236	0.27	-	-14.4	20	152	0
NDPA/DPA	1.224	1.207	-	1.4	20	131	0
Azobenzene	1.155	1.03	-	10.8	20	115	0
2,4,6-Tribromophenol	0.229	0.302	-	-31.9*	20	181	0
4-Bromophenyl phenyl ether	0.488	0.457	-	6.4	20	132	0
Hexachlorobenzene	0.564	0.586	-	-3.9	20	142	0
Pentachlorophenol	0.306	0.362	-	-18.3	20	158	0
IS1_Phenanthrene-d10	1	1	-	0	20	132	0
Phenanthrene	1.097	1.005	-	8.4	20	130	0
Anthracene	1.058	1.031	-	2.6	20	133	0
Carbazole	0.981	0.962	-	1.9	20	134	0
Di-n-butylphthalate	1.04	1.072	-	-3.1	20	133	0
Fluoranthene	1.319	1.266	-	4	20	130	0
Benzidine	0.744	0.76	-	-2.2	20	136	0
Pyrene	1.411	1.344	-	4.7	20	128	0
4-Terphenyl-d14	1.035	1.012	-	2.2	20	131	0
Butyl benzyl phthalate	0.461	0.502	-	-8.9	20	149	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.184	-	2.6	20	130	0
3,3'-Dichlorobenzidine	0.438	0.477	-	-8.9	20	136	0
Chrysene	1.234	1.156	-	6.3	20	129	0
Bis(2-ethylhexyl)phthalate	0.579	0.683	-	-18	20	137	0
Di-n-octylphthalate	1.024	1.168	-	-14.1	20	142	0
Benzo(b)fluoranthene	1.227	1.318	-	-7.4	20	143	0
Benzo(k)fluoranthene	1.227	1.282	-	-4.5	20	135	0
Benzo(a)pyrene	1.119	1.198	-	-7.1	20	136	0
IS1_Perylene-d12	1	1	-	0	20	140	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.105	-	1.5	20	141	0
Dibenzo(a,h)anthracene	1.132	1.115	-	1.5	20	141	0
Benzo(ghi)perylene	1.145	1.159	-	-1.2	20	147	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90928A
 Sample No : WG2120752-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:55
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	136	0
Benzaldehyde	0.534	0.818	-	-53.2*	20	227	0
Acetophenone	1.663	1.562	-	6.1	20	140	0
m-Toluidine	0.957	1.326	-	-38.6*	20	188	0
2-Chloroaniline	1.447	1.49	-	-3	20	144	0
IS2_Naphthalene-d8	1	1	-	0	20	145	0
a-Terpineol	0.245	0.203	-	17.1	20	128	0
3-Chloroaniline	0.122	0.119	-	2.5	20	149	0
2,6-Dichlorophenol	0.33	0.359	-	-8.8	20	165	0
1-chloro-2-nitrobenzene	0.135	0.134	-	0.7	20	151	0
Caprolactam	0.128	0.102	-	20.3*	20	123	0
1,2,4,5-Tetrachlorobenzene	0.495	0.46	-	7.1	20	145	0
Biphenyl	1.02	0.971	-	4.8	20	148	0
IS2_Acenaphthene-d10	1	1	-	0	20	143	0
Dichloran	0.199	0.2	-	-0.5	20	163	0
Pentachloronitrobenzene	0.197	0.211	-	-7.1	20	164	0
IS2_Phenanthrene-d10	1	1	-	0	20	143	0
Diphenamid	0.486	0.5	-	-2.9	20	161	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
n-Nitrosodimethylamine	0.659	0.692	-	-5	20	89	0
Pyridine	1.237	0.667	-	46.1*	20	49	0
2-Fluorophenol	1.032	1.038	-	-0.6	20	89	0
Aniline	1.692	1.612	-	4.7	20	83	0
2-Chlorophenol	1.228	1.177	-	4.2	20	86	0
Phenol-d6	1.268	1.241	-	2.1	20	85	0
Phenol	1.412	1.424	-	-0.8	20	91	0
Bis(2-chloroethyl)ether	1.193	1.114	-	6.6	20	88	0
1,3-Dichlorobenzene	1.558	1.413	-	9.3	20	85	0
1,4-Dichlorobenzene	1.592	1.461	-	8.2	20	86	0
1,2-Dichlorobenzene	1.528	1.395	-	8.7	20	86	0
Benzyl alcohol	0.928	0.891	-	4	20	86	0
Bis(2-chloroisopropyl)ethe	1.867	1.818	-	2.6	20	91	0
2-Methylphenol	1.04	1.031	-	0.9	20	89	0
Hexachloroethane	0.584	0.514	-	12	20	82	0
n-Nitrosodi-n-propylamine	0.823	0.783	-	4.9	20	85	0
3-Methylphenol/4-Methylphe	1.102	1.115	-	-1.2	20	89	0
Nitrobenzene-d5	1.172	1.194	-	-1.9	20	92	0
Nitrobenzene	1.19	1.207	-	-1.4	20	93	0
Isophorone	2.158	2.11	-	2.2	20	88	0
2-Nitrophenol	0.494	0.593	-	-20	20	106	0
2,4-Dimethylphenol	1.154	1.198	-	-3.8	20	92	0
Bis(2-chloroethoxy)methane	1.45	1.415	-	2.4	20	90	0
2,4-Dichlorophenol	1.111	1.097	-	1.3	20	86	0
1,2,4-Trichlorobenzene	1.448	1.246	-	14	20	82	0
IS1_Naphthalene-d8	1	1	-	0	20	93	0
Naphthalene	1.054	0.971	-	7.9	20	87	0
Benzoic Acid	5	4.41	-	11.8	20	83	0
4-Chloroaniline	0.12	0.122	-	-1.7	20	92	0
Hexachlorobutadiene	0.231	0.195	-	15.6	20	82	0
p-Chloro-m-cresol	0.256	0.269	-	-5.1	20	93	0
2-Methylnaphthalene	0.632	0.606	-	4.1	20	89	0
1-Methylnaphthalene	0.24	0.208	-	13.3	20	81	0
Hexachlorocyclopentadiene	0.244	0.244	-	0	20	93	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	90	0
2,4,5-Trichlorophenol	0.23	0.247	-	-7.4	20	94	0
2-Fluorobiphenyl	0.872	0.779	-	10.7	20	85	0
2-Chloronaphthalene	0.734	0.659	-	10.2	20	85	0
2-Nitroaniline	0.159	0.181	-	-13.8	20	101	0
1,4-Dinitrobenzene	0.077	0.095	-	-23.4*	20	111	0
1,3-Dinitrobenzene	0.093	0.11	-	-18.3	20	105	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	90	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.063	-	3.4	20	88	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	101	0
1,2-Dinitrobenzene	0.06	0.074	-	-23.3*	20	108	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	0.246	0.287	-	-16.7	20	99	0
Acenaphthene	1.144	1.049	-	8.3	20	89	0
2,4-Dinitrophenol	5	5.319	-	-6.4	20	114	0
Dibenzofuran	1.834	1.671	-	8.9	20	87	0
2,4-Dinitrotoluene	5	5.298	-	-6	20	104	0
4-Nitrophenol	0.185	0.218	-	-17.8	20	103	0
2,3,5,6-Tetrachlorophenol	0.304	0.33	-	-8.6	20	95	0
2,3,4,6-Tetrachlorophenol	0.3	0.318	-	-6	20	92	0
Diethyl phthalate	1.28	1.252	-	2.2	20	91	0
Fluorene	1.409	1.324	-	6	20	88	0
4-Chlorophenyl phenyl ethe	0.719	0.649	-	9.7	20	87	0
4-Nitroaniline	0.246	0.257	-	-4.5	20	96	0
4,6-Dinitro-o-cresol	5	5.867	-	-17.3	20	123	0
NDPA/DPA	1.112	1.095	-	1.5	20	90	0
Azobenzene	1.133	1.15	-	-1.5	20	93	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	87	0
4-Bromophenyl phenyl ether	0.383	0.331	-	13.6	20	82	0
Hexachlorobenzene	0.399	0.347	-	13	20	85	0
Pentachlorophenol	0.216	0.201	-	6.9	20	86	0
IS1_Phenanthrene-d10	1	1	-	0	20	94	0
Phenanthrene	1.146	1.063	-	7.2	20	89	0
Anthracene	1.122	1.075	-	4.2	20	90	0
Carbazole	0.975	0.935	-	4.1	20	86	0
Di-n-butylphthalate	1.07	1.101	-	-2.9	20	91	0
Fluoranthene	1.217	1.154	-	5.2	20	86	0
Benzidine	5	4.315	-	13.7	20	82	0
Pyrene	1.292	1.202	-	7	20	84	0
4-Terphenyl-d14	0.865	0.775	-	10.4	20	83	0
Butyl benzyl phthalate	5	4.552	-	9	20	97	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.304	-	4.6	20	83	0
3,3'-Dichlorobenzidine	0.436	0.407	-	6.7	20	79	0
Chrysene	1.352	1.286	-	4.9	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.82	-	3.6	20	90	0
Di-n-octylphthalate	5	4.589	-	8.2	20	89	0
Benzo(b)fluoranthene	1.185	1.073	-	9.5	20	80	0
Benzo(k)fluoranthene	1.199	1.063	-	11.3	20	75	0
Benzo(a)pyrene	1.101	0.971	-	11.8	20	77	0
IS1_Perylene-d12	1	1	-	0	20	87	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0928
Sample No : WG2120753-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 19:00
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.109	-	0.2	20	82	0
Dibenzo(a,h)anthracene	1.154	1.132	-	1.9	20	81	0
Benzo(ghi)perylene	1.15	1.146	-	0.3	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ADP0928
 Sample No : WG2120752-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:18
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	118	0
1,4-Dioxane	0.411	0.366	-	10.9	20	108	0
n-Decane	1.27	0.872	-	31.3*	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	131	0
Atrazine	0.486	0.432	-	11.1	20	122	0
IS3_Phenanthrene-d10	1	1	-	0	20	135	0
n-Octadecane	0.368	0.238	-	35.3*	20	93	0
Parathion	5	5.216	-	-4.3	20	140	0
3,3'-Dimethylbenzidine	5	3.238	-	35.2*	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90928
 Sample No : WG2120753-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:25
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
Benzaldehyde	0.605	0.929	-	-53.6*	20	162	0
Acetophenone	1.796	1.649	-	8.2	20	97	0
m-Toluidine	1.129	1.422	-	-26*	20	133	0
2-Chloroaniline	1.545	1.525	-	1.3	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	104	0
a-Terpineol	0.25	0.305	-	-22*	20	124	0
3-Chloroaniline	0.117	0.137	-	-17.1	20	112	0
2,6-Dichlorophenol	0.264	0.291	-	-10.2	20	107	0
1-chloro-2-nitrobenzene	0.124	0.133	-	-7.3	20	112	0
Caprolactam	0.125	0.146	-	-16.8	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.364	-	12.3	20	95	0
Biphenyl	0.948	0.859	-	9.4	20	97	0
IS2_Acenaphthene-d10	1	1	-	0	20	102	0
Dichloran	0.145	0.14	-	3.4	20	113	0
Pentachloronitrobenzene	0.133	0.139	-	-4.5	20	103	0
IS2_Phenanthrene-d10	1	1	-	0	20	100	0
Diphenamid	0.435	0.43	-	1.1	20	93	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0928
 Sample No : WG2120753-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:50
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	86	0
1,4-Dioxane	0.545	0.494	-	9.4	20	85	0
n-Decane	1.567	1.729	-	-10.3	20	100	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.33	0.354	-	-7.3	20	90	0
IS3_Phenanthrene-d10	1	1	-	0	20	85	0
n-Octadecane	0.441	0.539	-	-22.2*	20	101	0
Parathion	5	5.725	-	-14.5	20	112	0
3,3'-Dimethylbenzidine	5	3.591	-	28.2*	20	64	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	82	0
n-Nitrosodimethylamine	0.659	0.72	-	-9.3	20	82	0
Pyridine	1.237	0.748	-	39.5*	20	49	0
2-Fluorophenol	1.032	1.043	-	-1.1	20	79	0
Aniline	1.692	1.68	-	0.7	20	76	0
2-Chlorophenol	1.228	1.208	-	1.6	20	78	0
Phenol-d6	1.268	1.312	-	-3.5	20	80	0
Phenol	1.412	1.48	-	-4.8	20	84	0
Bis(2-chloroethyl)ether	1.193	1.133	-	5	20	79	0
1,3-Dichlorobenzene	1.558	1.449	-	7	20	77	0
1,4-Dichlorobenzene	1.592	1.479	-	7.1	20	77	0
1,2-Dichlorobenzene	1.528	1.403	-	8.2	20	77	0
Benzyl alcohol	0.928	0.959	-	-3.3	20	81	0
Bis(2-chloroisopropyl)ethe	1.867	1.944	-	-4.1	20	86	0
2-Methylphenol	1.04	1.088	-	-4.6	20	83	0
Hexachloroethane	0.584	0.534	-	8.6	20	75	0
n-Nitrosodi-n-propylamine	0.823	0.818	-	0.6	20	79	0
3-Methylphenol/4-Methylphe	1.102	1.137	-	-3.2	20	80	0
Nitrobenzene-d5	1.172	1.245	-	-6.2	20	85	0
Nitrobenzene	1.19	1.262	-	-6.1	20	86	0
Isophorone	2.158	2.184	-	-1.2	20	81	0
2-Nitrophenol	0.494	0.614	-	-24.3*	20	97	0
2,4-Dimethylphenol	1.154	1.195	-	-3.6	20	81	0
Bis(2-chloroethoxy)methane	1.45	1.403	-	3.2	20	79	0
2,4-Dichlorophenol	1.111	1.1	-	1	20	76	0
1,2,4-Trichlorobenzene	1.448	1.271	-	12.2	20	74	0
IS1_Naphthalene-d8	1	1	-	0	20	84	0
Naphthalene	1.054	0.973	-	7.7	20	79	0
Benzoic Acid	5	4.088	-	18.2	20	67	0
4-Chloroaniline	0.12	0.126	-	-5	20	85	0
Hexachlorobutadiene	0.231	0.199	-	13.9	20	75	0
p-Chloro-m-cresol	0.256	0.274	-	-7	20	85	0
2-Methylnaphthalene	0.632	0.592	-	6.3	20	78	0
1-Methylnaphthalene	0.24	0.207	-	13.8	20	72	0
Hexachlorocyclopentadiene	0.244	0.233	-	4.5	20	80	0
2,4,6-Trichlorophenol	0.214	0.228	-	-6.5	20	80	0
2,4,5-Trichlorophenol	0.23	0.25	-	-8.7	20	85	0
2-Fluorobiphenyl	0.872	0.766	-	12.2	20	75	0
2-Chloronaphthalene	0.734	0.65	-	11.4	20	75	0
2-Nitroaniline	0.159	0.188	-	-18.2	20	94	0
1,4-Dinitrobenzene	0.077	0.099	-	-28.6*	20	105	0
1,3-Dinitrobenzene	0.093	0.113	-	-21.5*	20	98	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.066	-	3.1	20	79	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	90	0
1,2-Dinitrobenzene	0.06	0.075	-	-25*	20	98	0
IS1_Acenaphthene-d10	1	1	-	0	20	82	0
3-Nitroaniline	0.246	0.299	-	-21.5*	20	90	0
Acenaphthene	1.144	1.066	-	6.8	20	80	0
2,4-Dinitrophenol	5	6.285	-	-25.7*	20	120	0
Dibenzofuran	1.834	1.715	-	6.5	20	79	0
2,4-Dinitrotoluene	5	5.542	-	-10.8	20	96	0
4-Nitrophenol	0.185	0.243	-	-31.4*	20	100	0
2,3,5,6-Tetrachlorophenol	0.304	0.331	-	-8.9	20	83	0
2,3,4,6-Tetrachlorophenol	0.3	0.327	-	-9	20	83	0
Diethyl phthalate	1.28	1.238	-	3.3	20	79	0
Fluorene	1.409	1.331	-	5.5	20	77	0
4-Chlorophenyl phenyl ethe	0.719	0.658	-	8.5	20	78	0
4-Nitroaniline	0.246	0.284	-	-15.4	20	93	0
4,6-Dinitro-o-cresol	5	6.438	-	-28.8*	20	119	0
NDPA/DPA	1.112	1.109	-	0.3	20	79	0
Azobenzene	1.133	1.198	-	-5.7	20	85	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	76	0
4-Bromophenyl phenyl ether	0.383	0.344	-	10.2	20	75	0
Hexachlorobenzene	0.399	0.351	-	12	20	75	0
Pentachlorophenol	0.216	0.216	-	0	20	81	0
IS1_Phenanthrene-d10	1	1	-	0	20	85	0
Phenanthrene	1.146	1.092	-	4.7	20	83	0
Anthracene	1.122	1.095	-	2.4	20	83	0
Carbazole	0.975	0.959	-	1.6	20	80	0
Di-n-butylphthalate	1.07	1.054	-	1.5	20	79	0
Fluoranthene	1.217	1.186	-	2.5	20	80	0
Benzidine	5	4.494	-	10.1	20	77	0
Pyrene	1.292	1.273	-	1.5	20	80	0
4-Terphenyl-d14	0.865	0.791	-	8.6	20	76	0
Butyl benzyl phthalate	5	4.681	-	6.4	20	90	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.313	-	4	20	84	0
3,3'-Dichlorobenzidine	0.436	0.415	-	4.8	20	81	0
Chrysene	1.352	1.279	-	5.4	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.277	-	14.5	20	80	0
Di-n-octylphthalate	5	4.489	-	10.2	20	88	0
Benzo(b)fluoranthene	1.185	1.187	-	-0.2	20	89	0
Benzo(k)fluoranthene	1.199	1.195	-	0.3	20	85	0
Benzo(a)pyrene	1.101	1.109	-	-0.7	20	88	0
IS1_Perylene-d12	1	1	-	0	20	98	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0929
Sample No : WG2121049-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/29/25 12:24
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.08	-	2.8	20	90	0
Dibenzo(a,h)anthracene	1.154	1.088	-	5.7	20	87	0
Benzo(ghi)perylene	1.15	1.106	-	3.8	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90929
 Sample No : WG2121049-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:49
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	101	0
Benzaldehyde	0.605	0.952	-	-57.4*	20	158	0
Acetophenone	1.796	1.651	-	8.1	20	93	0
m-Toluidine	1.129	1.421	-	-25.9*	20	127	0
2-Chloroaniline	1.545	1.51	-	2.3	20	97	0
IS2_Naphthalene-d8	1	1	-	0	20	99	0
a-Terpineol	0.25	0.309	-	-23.6*	20	118	0
3-Chloroaniline	0.117	0.145	-	-23.9*	20	112	0
2,6-Dichlorophenol	0.264	0.296	-	-12.1	20	103	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	108	0
Caprolactam	0.125	0.155	-	-24*	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.37	-	10.8	20	91	0
Biphenyl	0.948	0.845	-	10.9	20	90	0
IS2_Acenaphthene-d10	1	1	-	0	20	97	0
Dichloran	0.145	0.146	-	-0.7	20	113	0
Pentachloronitrobenzene	0.133	0.14	-	-5.3	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	94	0
Diphenamid	0.435	0.433	-	0.5	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0929
 Sample No : WG2121049-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 13:14
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	75	0
1,4-Dioxane	0.545	0.522	-	4.2	20	79	0
n-Decane	1.567	1.708	-	-9	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	75	0
Atrazine	0.33	0.353	-	-7	20	79	0
IS3_Phenanthrene-d10	1	1	-	0	20	75	0
n-Octadecane	0.441	0.466	-	-5.7	20	77	0
Parathion	5	5.458	-	-9.2	20	94	0
3,3'-Dimethylbenzidine	5	4.145	-	17.1	20	69	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250917RVT\
 Data File : ABN0917.D
 Acq On : 17 Sep 2025 10:42 am
 Operator : Dakota:smz
 Sample : wg2116041-3,32,,ABN 11979 mrg0904A
 Misc : wg2116041,,ical22568
 ALS Vial : 96 Sample Multiplier: 1

Quant Time: Sep 17 11:16:11 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:16:48 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	135	0.00
2 t	n-Nitrosodimethylamine	0.594	0.581	2.2	133	0.00
3 t	Pyridine *	5.000	4.372	12.6	139	0.00
4 S	2-Fluorophenol	0.881	0.967	-9.8	145	0.00
5 T	Aniline	1.484	1.494	-0.7	132	0.00
6 t	2-Chlorophenol	1.075	1.163	-8.2	146	0.00
7 S	Phenol-d6	1.175	1.279	-8.9	152	0.00
8 T	Phenol	1.351	1.313	2.8	131	0.00
9 T	Bis(2-chloroethyl)ether	0.968	0.948	2.1	137	0.00
10 T	1,3-Dichlorobenzene	1.515	1.415	6.6	131	0.00
11 T	1,4-Dichlorobenzene	1.532	1.444	5.7	130	0.00
12 T	1,2-Dichlorobenzene	1.467	1.458	0.6	136	0.00
13 t	Benzyl alcohol	0.829	0.931	-12.3	152	0.00
14 T	Bis(2-chloroisopropyl)ether	1.724	1.349	21.8#	110	0.00
15 T	2-Methylphenol	0.915	0.985	-7.7	142	0.00
16 T	Hexachloroethane	0.539	0.504	6.5	131	0.00
17 T	n-Nitrosodi-n-propylamine	0.797	0.804	-0.9	139	0.00
18 T	3-Methylphenol/4-Methylphen	1.028	1.089	-5.9	147	0.00
19 S	Nitrobenzene-d5	1.117	1.136	-1.7	137	0.00
20 T	Nitrobenzene	1.128	1.171	-3.8	136	0.00
21 T	Isophorone	2.059	2.106	-2.3	135	0.00
22 T	2-Nitrophenol	0.530	0.609	-14.9	162	0.00
23 T	2,4-Dimethylphenol	1.061	1.170	-10.3	144	0.00
24 T	Bis(2-chloroethoxy)methane	1.369	1.283	6.3	128	0.00
25 T	2,4-Dichlorophenol	1.189	1.289	-8.4	150	0.00
26 T	1,2,4-Trichlorobenzene	1.494	1.478	1.1	134	0.00
37 I	IS1_Naphthalene-d8	1.000	1.000	0.0	139	0.00
38 T	Naphthalene	0.993	0.985	0.8	142	0.00
39 T	Benzoic Acid *	5.000	8.053	-61.1#	283	0.00
40 T	4-Chloroaniline	0.127	0.109	14.2	129	0.00
41 T	Hexachlorobutadiene	0.270	0.221	18.1	118	0.00
42 T	p-Chloro-m-cresol	0.263	0.288	-9.5	154	0.00
43 T	2-Methylnaphthalene	0.656	0.673	-2.6	145	0.00
44 T	1-Methylnaphthalene	0.245	0.238	2.9	144	0.00
45 T	Hexachlorocyclopentadiene	0.306	0.291	4.9	129	0.00
46 T	2,4,6-Trichlorophenol	0.280	0.279	0.4	139	0.00
47 T	2,4,5-Trichlorophenol	0.310	0.341	-10.0	149	0.00
48 S	2-Fluorobiphenyl	0.987	0.947	4.1	136	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250917RVT\
 Data File : ABN0917.D
 Acq On : 17 Sep 2025 10:42 am
 Operator : Dakota:smz
 Sample : wg2116041-3,32,,ABN 11979 mrg0904A
 Misc : wg2116041,,ical22568
 ALS Vial : 96 Sample Multiplier: 1

Quant Time: Sep 17 11:16:11 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:16:48 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	2-Chloronaphthalene	0.810	0.810	0.0	141	0.00
50 T	2-Nitroaniline	0.204	0.233	-14.2	162	0.00
51 T	1,4-Dinitrobenzene	0.103	0.114	-10.7	156	0.00
52 T	1,3-Dinitrobenzene	0.117	0.128	-9.4	148	0.00
53 T	Dimethyl phthalate	1.014	0.999	1.5	136	0.00
54 T	Acenaphthylene	1.266	1.314	-3.8	141	0.00
55 T	2,6-Dinitrotoluene	0.199	0.203	-2.0	144	0.00
56 T	1,2-Dinitrobenzene	0.074	0.076	-2.7	139	0.00
65 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	138	0.00
66 T	3-Nitroaniline	0.274	0.298	-8.8	153	0.00
67 T	Acenaphthene	1.035	0.972	6.1	139	0.00
68 T	2,4-Dinitrophenol	0.158	0.137	13.3	128	0.00
69 T	Dibenzofuran	1.815	1.719	5.3	140	0.00
70 T	2,4-Dinitrotoluene	0.369	0.392	-6.2	145	0.00
71 T	4-Nitrophenol	0.204	0.219	-7.4	149	0.00
72 T	2,3,5,6-Tetrachlorophenol	0.370	0.420	-13.5	157	0.00
73 T	2,3,4,6-Tetrachlorophenol	0.387	0.397	-2.6	146	0.00
74 T	Diethyl phthalate	1.394	1.388	0.4	140	0.00
75 T	Fluorene	1.408	1.383	1.8	144	0.00
76 T	4-Chlorophenyl phenyl ether	0.760	0.694	8.7	131	0.00
77 T	4-Nitroaniline	0.270	0.308	-14.1	159	0.00
78 T	4,6-Dinitro-o-cresol	0.236	0.231	2.1	141	0.00
79 T	NDPA/DPA	1.224	1.243	-1.6	146	0.00
80 T	Azobenzene	1.155	1.104	4.4	133	0.00
81 S	2,4,6-Tribromophenol	0.229	0.286	-24.9#	185	0.00
82 T	4-Bromophenyl phenyl ether	0.488	0.436	10.7	136	0.00
83 T	Hexachlorobenzene	0.564	0.548	2.8	143	0.00
84 T	Pentachlorophenol	0.306	0.338	-10.5	159	0.00
90 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	140	0.00
91 T	Phenanthrene	1.097	1.023	6.7	140	0.00
92 T	Anthracene	1.058	1.024	3.2	140	0.00
93 T	Carbazole	0.981	0.972	0.9	143	0.00
94 T	Di-n-butylphthalate	1.040	1.069	-2.8	141	0.00
95 T	Fluoranthene	1.319	1.270	3.7	138	0.00
96 T	Benzidine	0.744	0.863	-16.0	164	0.00
97 T	Pyrene	1.411	1.339	5.1	135	0.00
98 S	4-Terphenyl-d14	1.035	0.972	6.1	133	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250917RVT\
 Data File : ABN0917.D
 Acq On : 17 Sep 2025 10:42 am
 Operator : Dakota:smz
 Sample : wg2116041-3,32,,ABN 11979 mrg0904A
 Misc : wg2116041,,ical22568
 ALS Vial : 96 Sample Multiplier: 1

Quant Time: Sep 17 11:16:11 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:16:48 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
99 T	Butyl benzyl phthalate	0.461	0.484	-5.0	152	0.00
106 I	IS1_Chrysene-d12	1.000	1.000	0.0	130	0.00
107 T	Benzo(a)anthracene	1.215	1.167	4.0	129	0.00
108 T	3,3'-Dichlorobenzidine	0.438	0.518	-18.3	149	0.00
109 T	Chrysene	1.234	1.188	3.7	134	0.00
110 T	Bis(2-ethylhexyl)phthalate	0.579	0.700	-20.9#	141	0.00
111 T	Di-n-octylphthalate	1.024	1.181	-15.3	145	0.00
112 T	Benzo(b)fluoranthene	1.227	1.307	-6.5	142	0.00
113 T	Benzo(k)fluoranthene	1.227	1.307	-6.5	138	0.00
114 T	Benzo(a)pyrene	1.119	1.280	-14.4	147	0.00
115 I	IS1_Perylene-d12	1.000	1.000	0.0	139	0.00
116 T	Indeno(1,2,3-cd)pyrene	1.122	1.144	-2.0	144	0.00
117 T	Dibenzo(a,h)anthracene	1.132	1.160	-2.5	145	0.00
118 T	Benzo(ghi)perylene	1.145	1.140	0.4	143	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : ABN0917.D
 Acq On : 17 Sep 2025 10:42 am
 Operator : Dakota:smz
 Sample : wg2116041-3,32,,ABN 11979 mrg0904A
 Misc : wg2116041,,ical22568
 ALS Vial : 96 Sample Multiplier: 1

Quant Time: Sep 17 11:16:11 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:16:48 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.245	152	77291	4.000	ug/ml	0.00
37) IS1_Naphthalene-d8	5.482	136	286017	4.000	ug/ml	0.00
65) IS1_Acenaphthene-d10	7.170	164	210289	4.000	ug/ml	0.00
90) IS1_Phenanthrene-d10	8.581	188	470371	4.000	ug/ml	0.00
106) IS1_Chrysene-d12	11.145	240	514603	4.000	ug/ml	0.00
115) IS1_Perylene-d12	12.559	264	603185	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.952	112	93466	5.490	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	274.50%#	
7) Phenol-d6	3.953	99	123553	5.440	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	272.00%#	
19) Nitrobenzene-d5	4.795	82	109726	5.084	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	508.40%#	
48) 2-Fluorobiphenyl	6.554	172	338609	4.796	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	479.60%#	
81) 2,4,6-Tribromophenol	7.928	330	75129	6.229	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	311.45%#	
98) 4-Terphenyl-d14	10.150	244	571654	4.697	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	469.70%#	
Target Compounds						
					Qvalue	
2) n-Nitrosodimethylamine	1.544	74	56113	4.887	ug/ml#	83
3) Pyridine	1.578	79	70940M2	4.372	ug/ml	
5) Aniline	3.928	93	144308	5.034	ug/ml	96
6) 2-Chlorophenol	4.040	128	112344	5.408	ug/ml#	89
8) Phenol	3.965	94	126875	4.859	ug/ml	97
9) Bis(2-chloroethyl)ether	4.018	93	91557	4.897	ug/ml	95
10) 1,3-Dichlorobenzene	4.186	146	136726	4.669	ug/ml	96
11) 1,4-Dichlorobenzene	4.261	146	139522	4.714	ug/ml	94
12) 1,2-Dichlorobenzene	4.407	146	140882M3	4.968	ug/ml	
13) Benzyl alcohol	4.413	79	89989	5.620	ug/ml	98
14) Bis(2-chloroisopropyl)...	4.562	45	130308	3.912	ug/ml#	46
15) 2-Methylphenol	4.556	108	95165	5.381	ug/ml	97
16) Hexachloroethane	4.736	117	48711	4.674	ug/ml#	45
17) n-Nitrosodi-n-propylamine	4.683	70	77708	5.046	ug/ml#	90
18) 3-Methylphenol/4-Methy...	4.718	108	105228	5.298	ug/ml	95
20) Nitrobenzene	4.811	77	113144	5.189	ug/ml	96
21) Isophorone	5.056	82	203451	5.113	ug/ml#	94
22) 2-Nitrophenol	5.128	139	58869	5.753	ug/ml#	87

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : ABN0917.D
 Acq On : 17 Sep 2025 10:42 am
 Operator : Dakota:smz
 Sample : wg2116041-3,32,,ABN 11979 mrg0904A
 Misc : wg2116041,,ical22568
 ALS Vial : 96 Sample Multiplier: 1

Quant Time: Sep 17 11:16:11 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:16:48 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23)	2,4-Dimethylphenol	5.224	107	113037	5.515	ug/ml	97
24)	Bis(2-chloroethoxy)met...	5.305	93	123972	4.687	ug/ml	97
25)	2,4-Dichlorophenol	5.370	162	124547	5.422	ug/ml#	92
26)	1,2,4-Trichlorobenzene	5.442	180	142770	4.944	ug/ml	96
38)	Naphthalene	5.501	128	352168	4.958	ug/ml	99
39)	Benzoic Acid	5.314	105	92342	8.053	ug/ml	94
40)	4-Chloroaniline	5.585	65	39134	4.323	ug/ml#	60
41)	Hexachlorobutadiene	5.659	225	79135	4.103	ug/ml	97
42)	p-Chloro-m-cresol	6.091	107	102885	5.471	ug/ml	86
43)	2-Methylnaphthalene	6.178	142	240470	5.130	ug/ml	97
44)	1-Methylnaphthalene	6.268	115	85062	4.862	ug/ml	93
45)	Hexachlorocyclopentadiene	6.349	237	104193	4.769	ug/ml	96
46)	2,4,6-Trichlorophenol	6.470	196	99665	4.972	ug/ml	98
47)	2,4,5-Trichlorophenol	6.502	196	121823	5.502	ug/ml	96
49)	2-Chloronaphthalene	6.638	162	289414	4.995	ug/ml#	93
50)	2-Nitroaniline	6.756	138	83196	5.704	ug/ml#	76
51)	1,4-Dinitrobenzene	6.893	168	40692M3	5.516	ug/ml	
52)	1,3-Dinitrobenzene	6.965	168	45748	5.451	ug/ml#	1
53)	Dimethyl phthalate	6.968	163	357159	4.924	ug/ml#	98
54)	Acenaphthylene	7.030	152	469928	5.191	ug/ml	98
55)	2,6-Dinitrotoluene	7.005	165	72638	5.100	ug/ml#	72
56)	1,2-Dinitrobenzene	7.042	168	27146	5.151	ug/ml#	1
66)	3-Nitroaniline	7.154	138	78223	5.430	ug/ml#	83
67)	Acenaphthene	7.201	154	255602	4.699	ug/ml	84
68)	2,4-Dinitrophenol	7.254	184	35986	4.328	ug/ml#	79
69)	Dibenzofuran	7.369	168	451962	4.738	ug/ml#	87
70)	2,4-Dinitrotoluene	7.384	165	102915	5.301	ug/ml#	77
71)	4-Nitrophenol	7.363	65	57490	5.373	ug/ml#	1
72)	2,3,5,6-Tetrachlorophenol	7.465	232	110476	5.685	ug/ml	96
73)	2,3,4,6-Tetrachlorophenol	7.505	232	104455	5.135	ug/ml	96
74)	Diethyl phthalate	7.652	149	364848	4.977	ug/ml	98
75)	Fluorene	7.695	166	363550	4.912	ug/ml	94
76)	4-Chlorophenyl phenyl ...	7.723	204	182333	4.561	ug/ml#	84
77)	4-Nitroaniline	7.732	138	80850	5.686	ug/ml#	73
78)	4,6-Dinitro-o-cresol	7.770	198	60655	4.881	ug/ml#	52
79)	NDPA/DPA	7.841	169	326642	5.076	ug/ml	93
80)	Azobenzene	7.872	77	290198	4.781	ug/ml	97
82)	4-Bromophenyl phenyl e...	8.186	248	114693	4.471	ug/ml#	79
83)	Hexachlorobenzene	8.227	284	143934	4.858	ug/ml#	79
84)	Pentachlorophenol	8.422	266	88803	5.515	ug/ml	98
91)	Phenanthrene	8.603	178	601328	4.661	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : ABN0917.D
 Acq On : 17 Sep 2025 10:42 am
 Operator : Dakota:smz
 Sample : wg2116041-3,32,,ABN 11979 mrg0904A
 Misc : wg2116041,,ical22568
 ALS Vial : 96 Sample Multiplier: 1

Quant Time: Sep 17 11:16:11 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:16:48 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	Anthracene	8.652	178	601934	4.836	ug/ml	99
93)	Carbazole	8.826	167	571297	4.952	ug/ml	96
94)	Di-n-butylphthalate	9.234	149	628353	5.138	ug/ml	99
95)	Fluoranthene	9.740	202	746678	4.815	ug/ml#	90
96)	Benizidine	9.905	184	507466	5.799	ug/ml#	93
97)	Pyrene	9.948	202	787119	4.745	ug/ml	99
99)	Butyl benzyl phthalate	10.666	149	284324	5.249	ug/ml#	82
107)	Benzo(a)anthracene	11.136	228	750425	4.800	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.148	252	333122	5.909	ug/ml#	96
109)	Chrysene	11.170	228	764432	4.815	ug/ml	99
110)	Bis(2-ethylhexyl)phtha...	11.294	149	450117	6.042	ug/ml#	90
111)	Di-n-octylphthalate	11.950	149	759938	5.766	ug/ml#	70
112)	Benzo(b)fluoranthene	12.202	252	840974	5.327	ug/ml#	91
113)	Benzo(k)fluoranthene	12.227	252	840995	5.330	ug/ml#	92
114)	Benzo(a)pyrene	12.503	252	823639M2	5.719	ug/ml	
116)	Indeno(1,2,3-cd)pyrene	13.489	276	862188	5.094	ug/mL#	86
117)	Dibenzo(a,h)anthracene	13.517	278	874730	5.125	ug/ml#	87
118)	Benzo(ghi)perylene	13.697	276	859473	4.978	ug/ml#	83

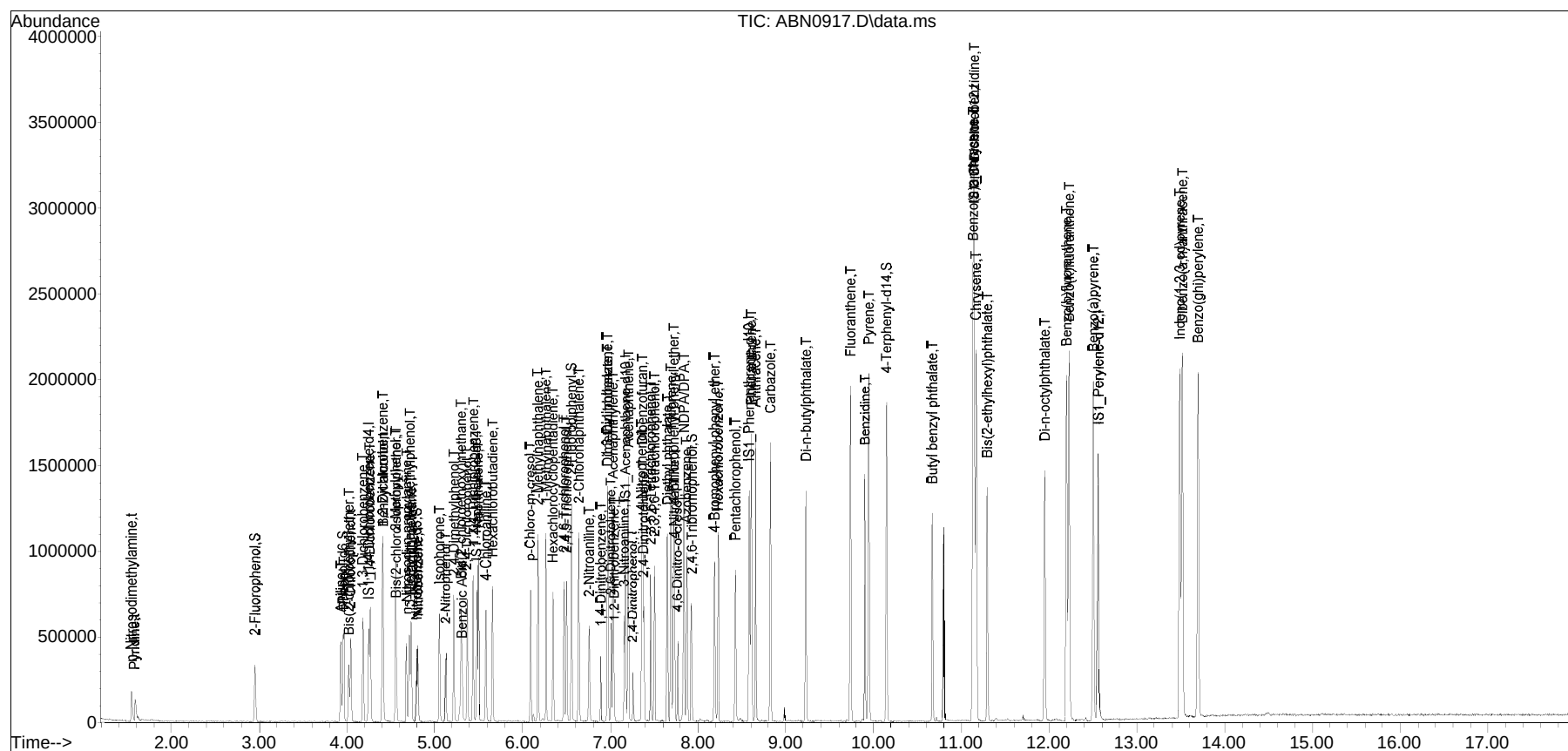
(#) = qualifier out of range (m) = manual integration (+) = signals summed

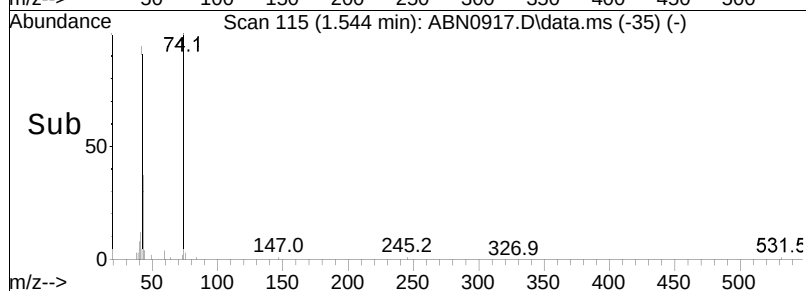
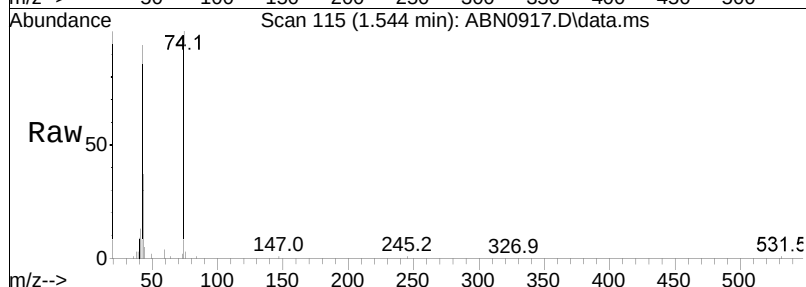
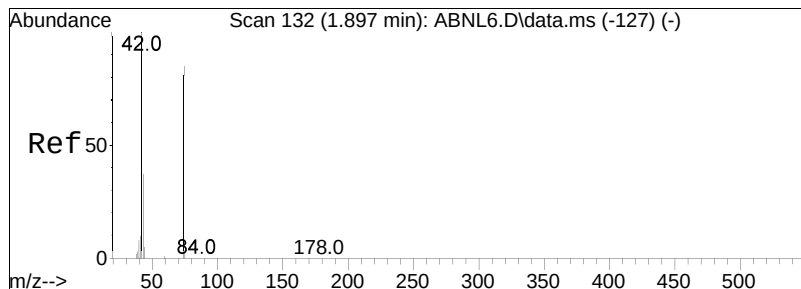
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
Data File : ABN0917.D
Acq On : 17 Sep 2025 10:42 am
Operator : Dakota:smz
Sample : wg2116041-3,32,,ABN 11979 mrg0904A
Misc : wg2116041,,ical22568
ALS Vial : 96 Sample Multiplier: 1

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Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Sep 17 11:16:48 2025
Response via : Initial Calibration

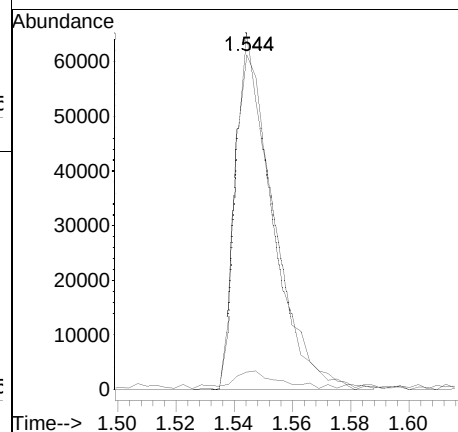
Sub List : ABNical - ABN ical sublist

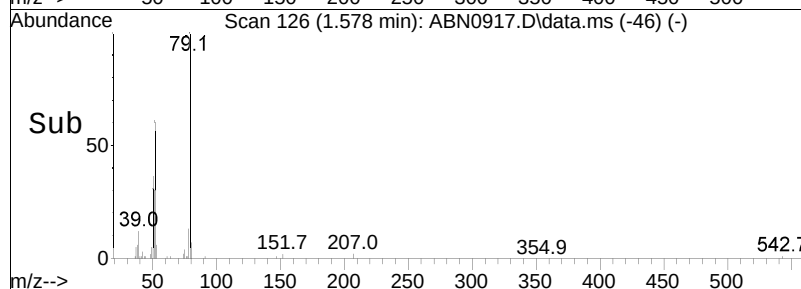
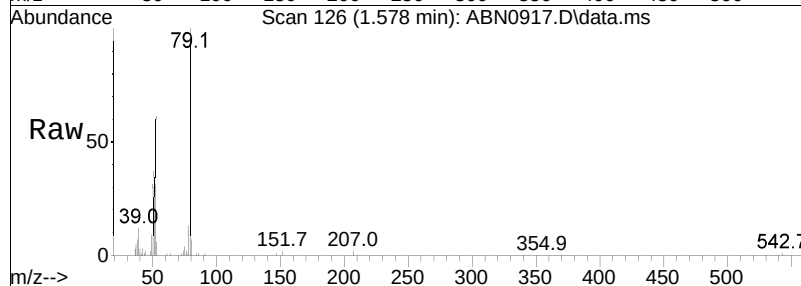
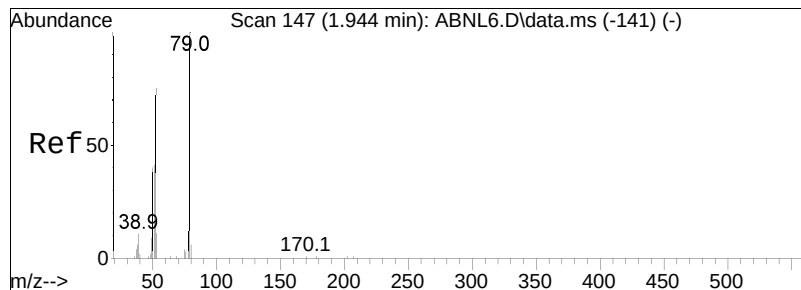




#2
 n-Nitrosodimethylamine
 Concen: 4.89 ug/ml
 RT: 1.544 min Scan# 115
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

Tgt Ion: 74 Resp: 56113
 Ion Ratio Lower Upper
 74 100
 42 104.8 100.0 150.0
 44 6.3 6.7 10.1#





#3

Pyridine

Concen: 4.37 ug/ml M2

RT: 1.578 min Scan# 126

Delta R.T. 0.000 min

Lab File: ABN0917.D

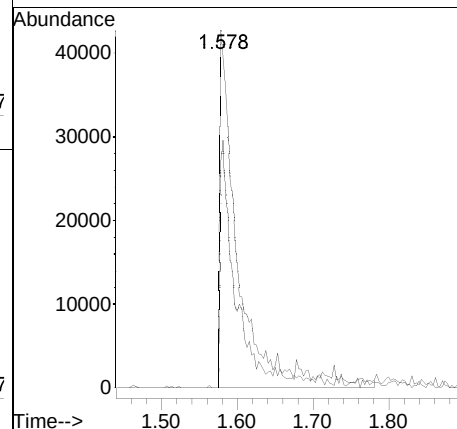
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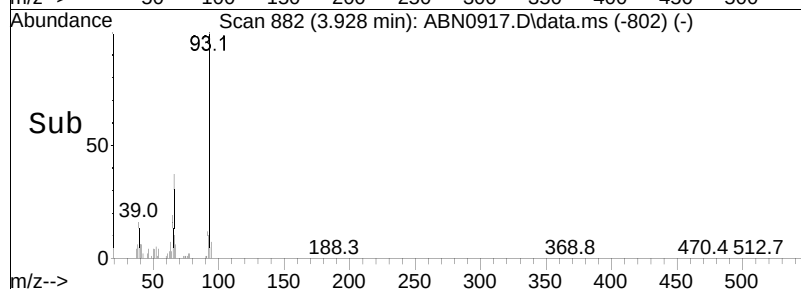
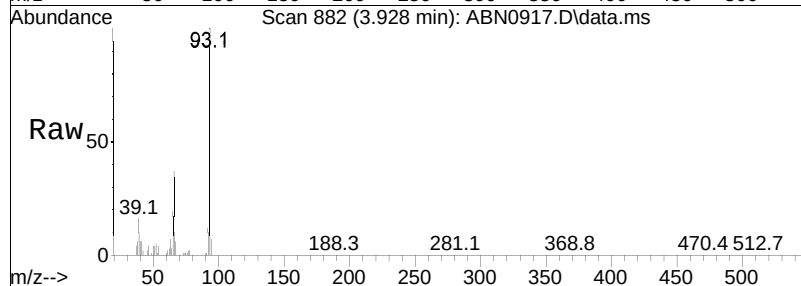
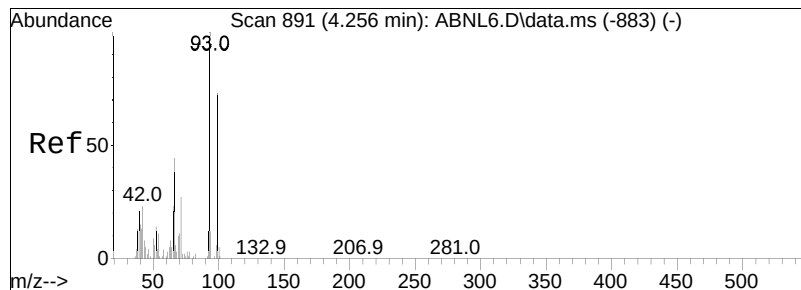
Tgt Ion: 79 Resp: 70940

Ion Ratio Lower Upper

79 100

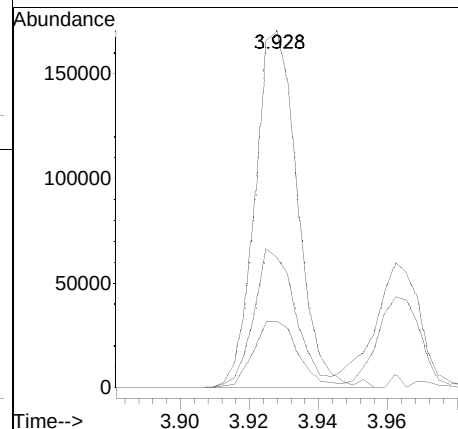
52 0.9 93.1 139.7#

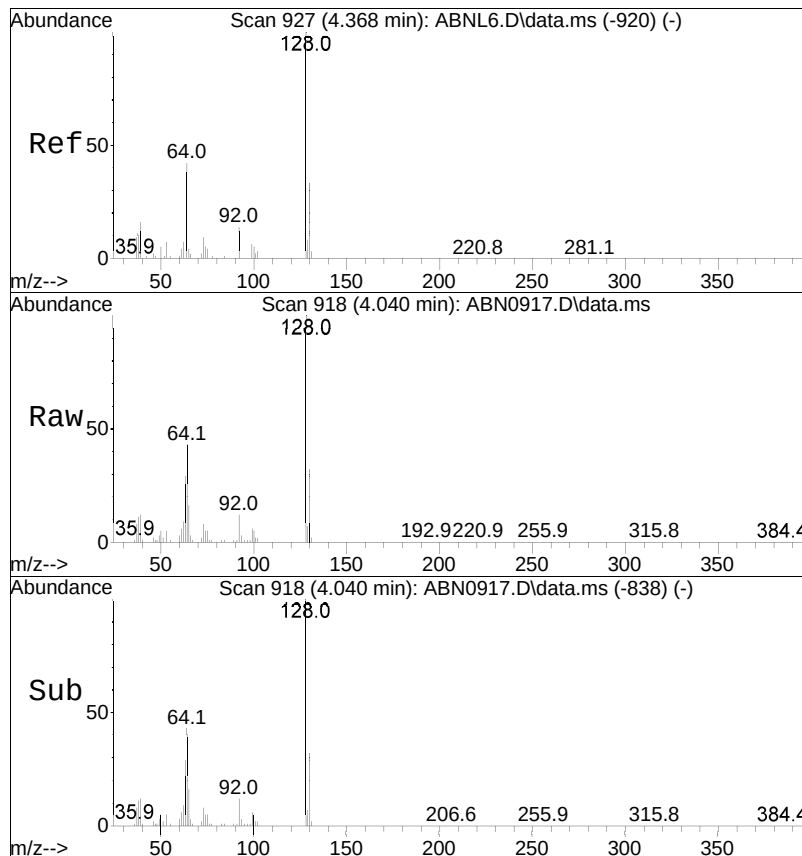




#5
 Aniline
 Concen: 5.03 ug/ml
 RT: 3.928 min Scan# 882
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

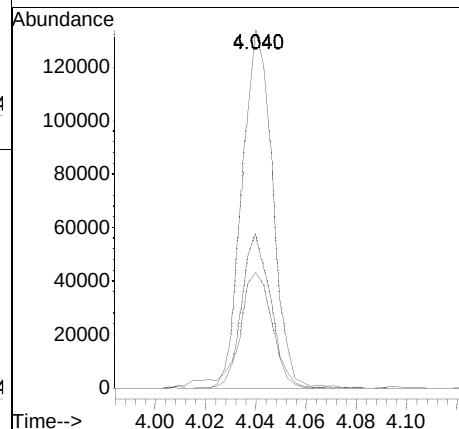
Tgt Ion:	93	Resp:	144308
Ion Ratio	100	Lower	Upper
93	100		
66	38.8	32.6	49.0
65	19.9	17.6	26.4

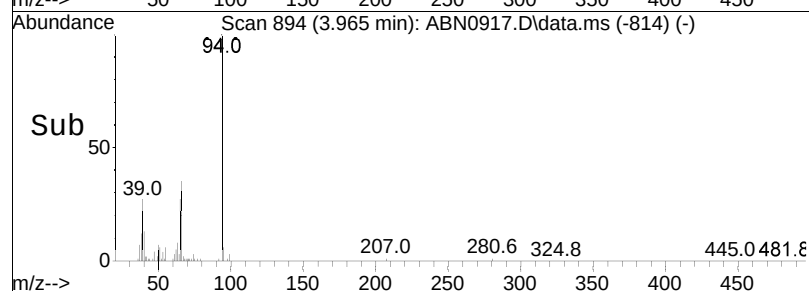
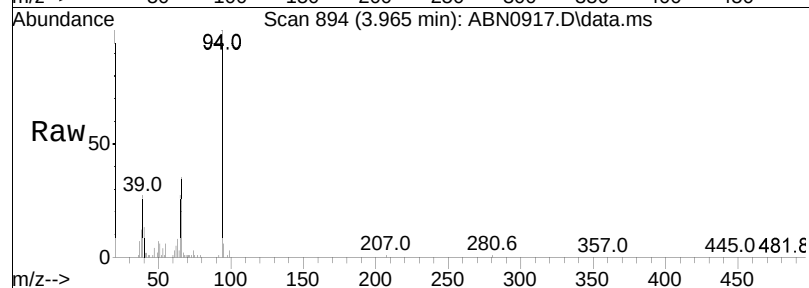
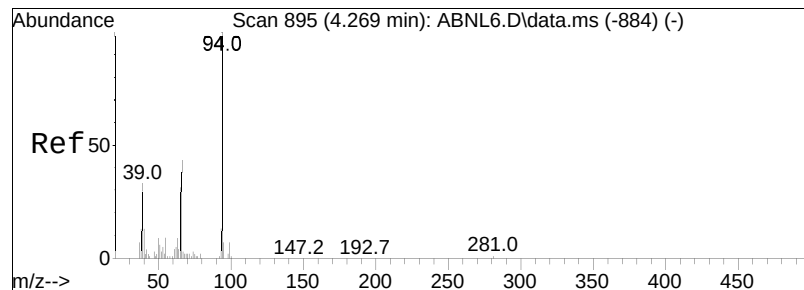




#6
 2-Chlorophenol
 Concen: 5.41 ug/ml
 RT: 4.040 min Scan# 918
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

Tgt	Ion:128	Resp:	112344
Ion	Ratio	Lower	Upper
128	100		
64	43.5	45.1	67.7#
130	32.6	26.2	39.4





#8

Phenol

Concen: 4.86 ug/ml

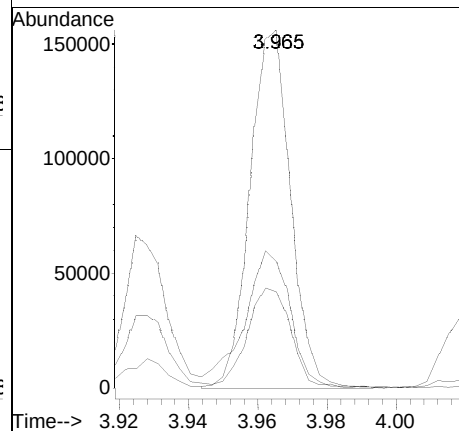
RT: 3.965 min Scan# 894

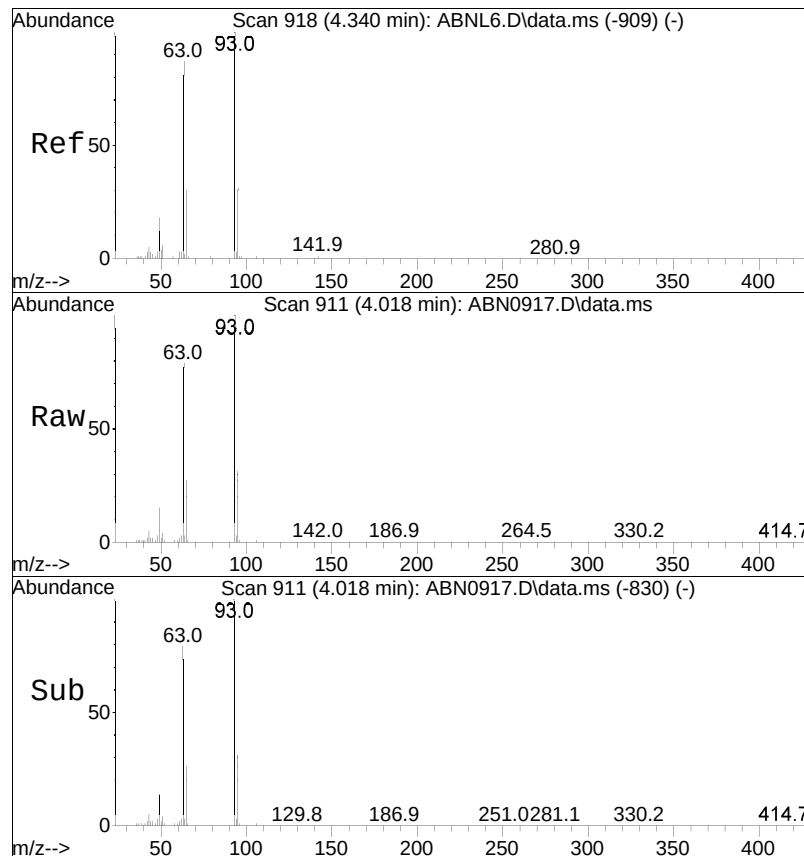
Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 10:42 am

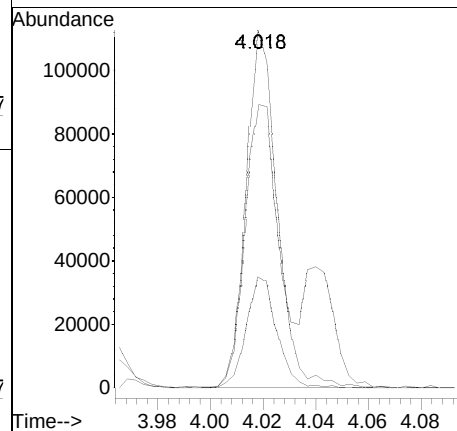
Tgt Ion:	94	Resp:	126875
Ion Ratio	Lower	Upper	
94	100		
65	30.2	26.0	39.0
66	43.8	33.8	50.8

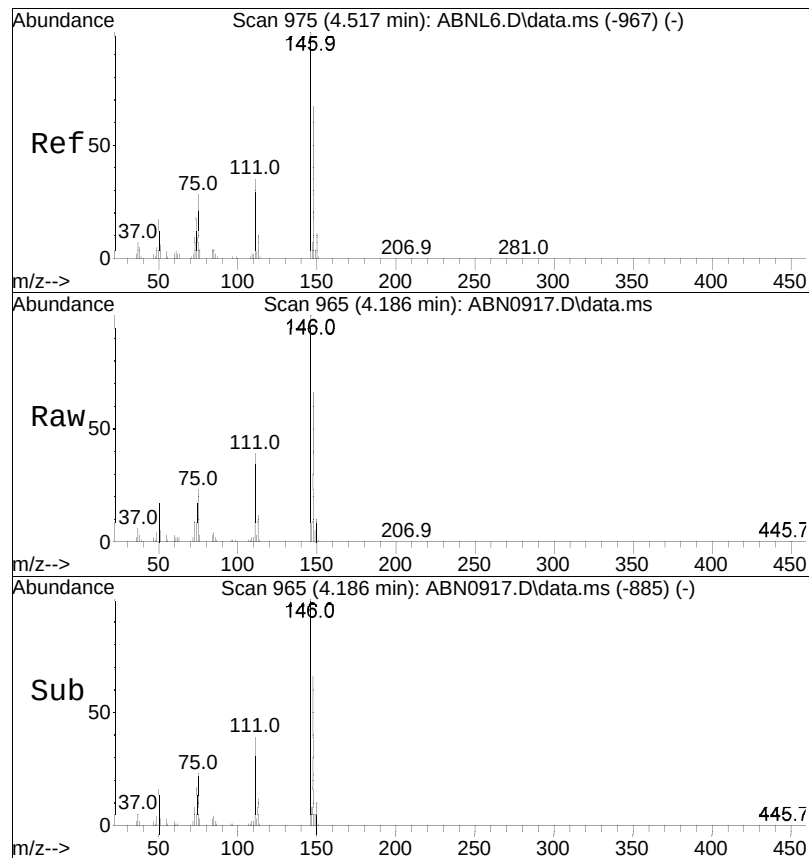




#9
 Bis(2-chloroethyl)ether
 Concen: 4.90 ug/ml
 RT: 4.018 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

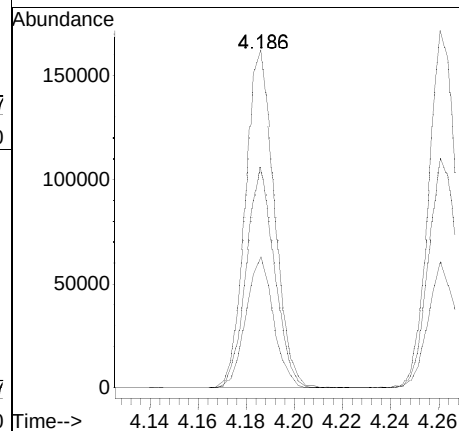
Tgt Ion:	93	Resp:	91557
Ion Ratio	Lower	Upper	
93	100		
63	87.9	74.6	111.8
95	30.8	25.9	38.9

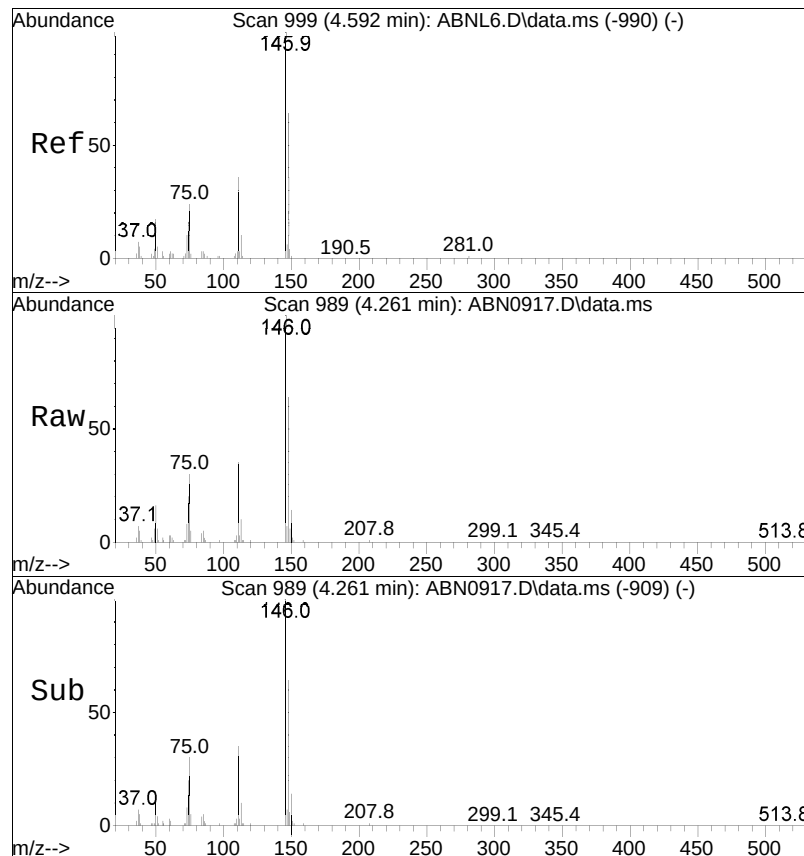




#10
 1,3-Dichlorobenzene
 Concen: 4.67 ug/ml
 RT: 4.186 min Scan# 965
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

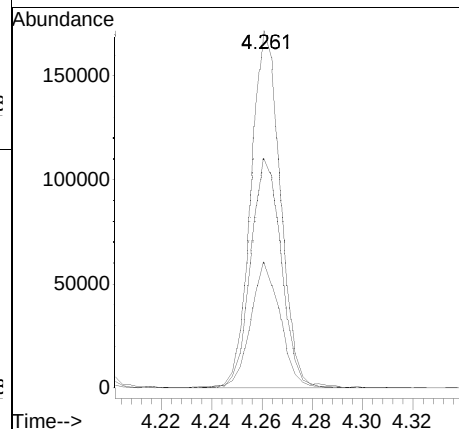
Tgt Ion:	146	Resp:	136726
Ion Ratio	Lower	Upper	
146	100		
111	36.8	34.3	51.5
148	63.5	50.8	76.2

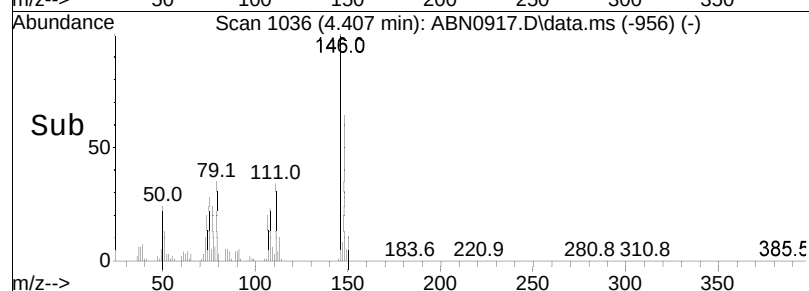
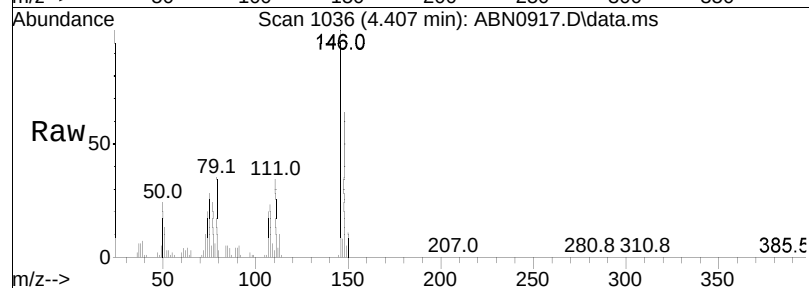
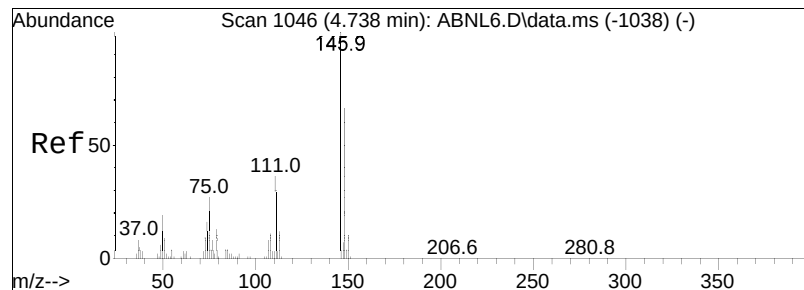




#11
 1,4-Dichlorobenzene
 Concen: 4.71 ug/ml
 RT: 4.261 min Scan# 989
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

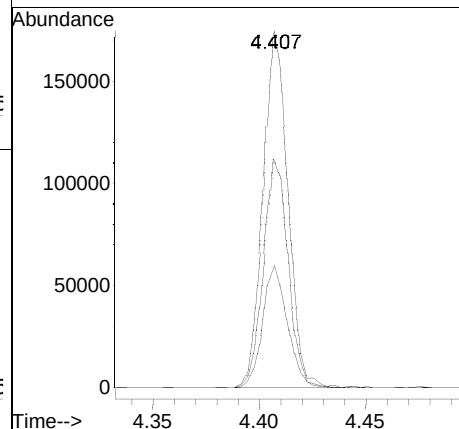
Tgt Ion:	146	Resp:	139522
Ion Ratio	Lower	Upper	
146	100		
148	66.5	50.7	76.1
111	35.5	33.4	50.0

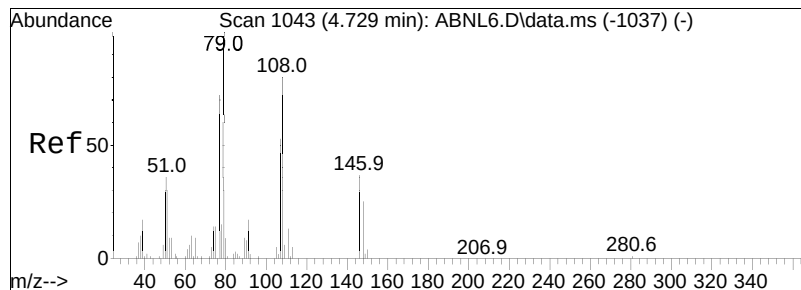




#12
 1,2-Dichlorobenzene
 Concen: 4.97 ug/ml M3
 RT: 4.407 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

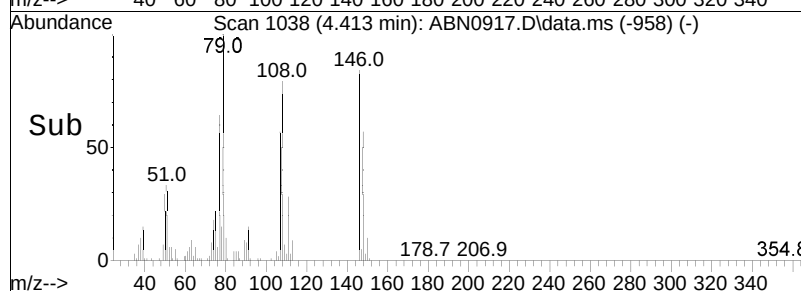
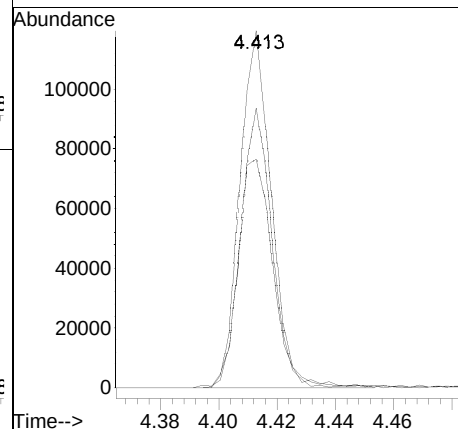
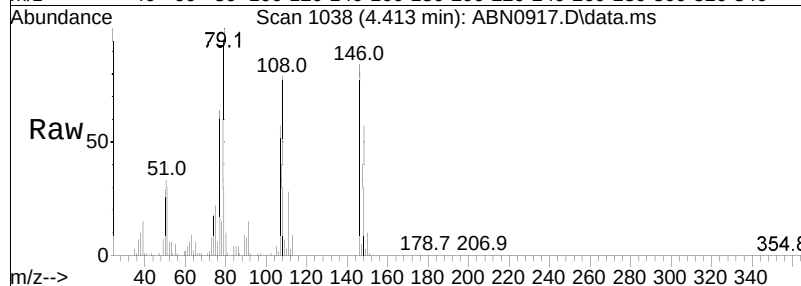
Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	34.6	52.0
148	65.9	50.2	75.4

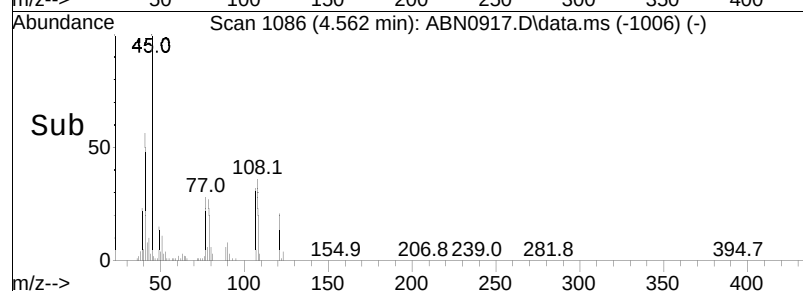
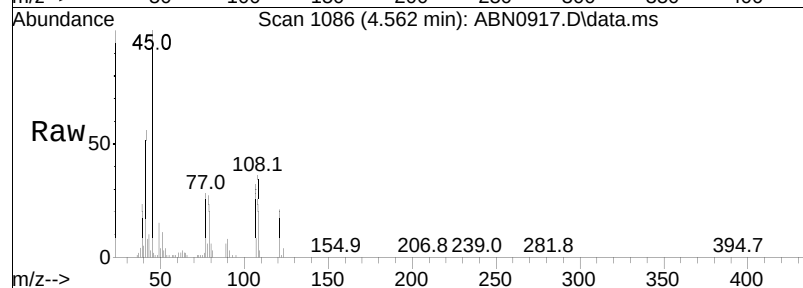
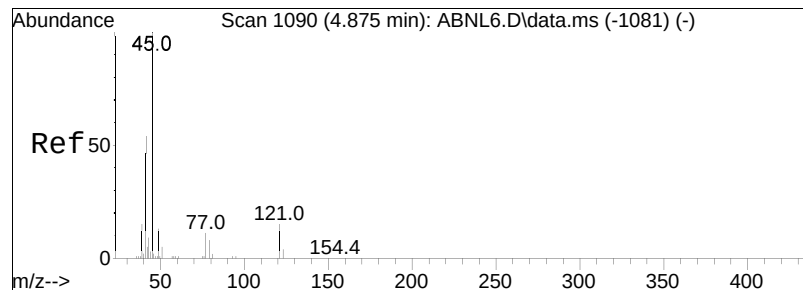




#13
 Benzyl alcohol
 Concen: 5.62 ug/ml
 RT: 4.413 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

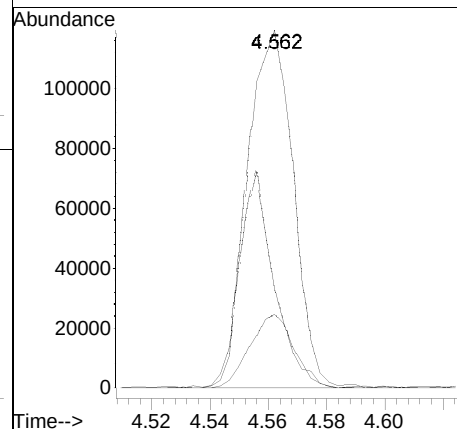
Tgt Ion:	79	Resp:	89989
Ion Ratio	Lower	Upper	
79	100		
77	70.6	54.9	82.3
108	76.9	63.1	94.7

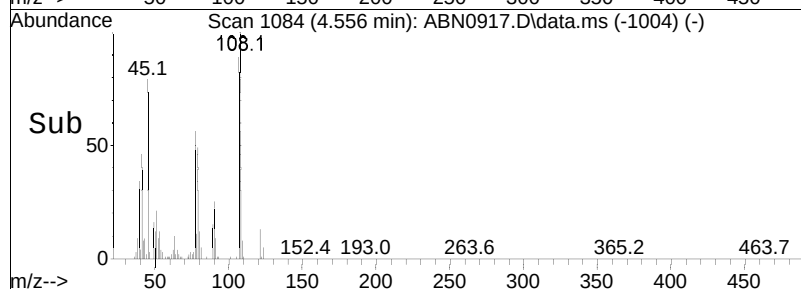
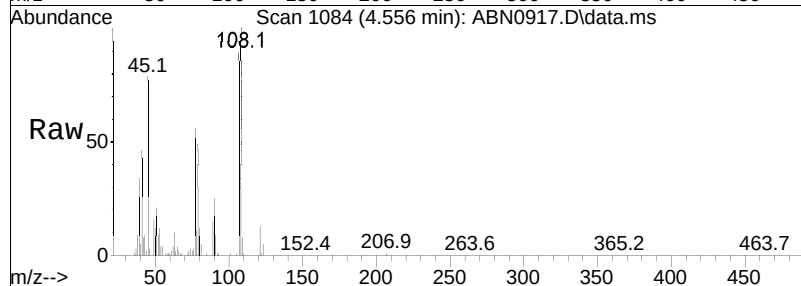
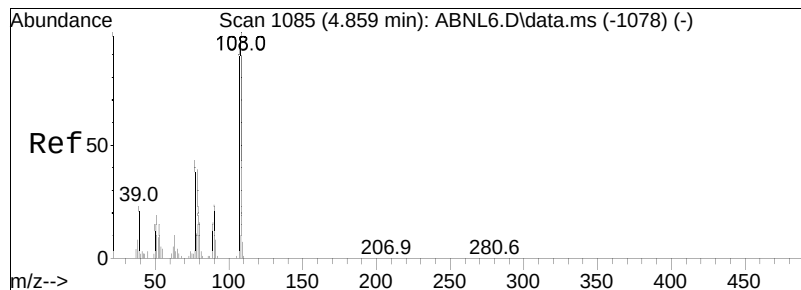




#14
 Bis(2-chloroisopropyl)ether
 Concen: 3.91 ug/ml
 RT: 4.562 min Scan# 1086
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

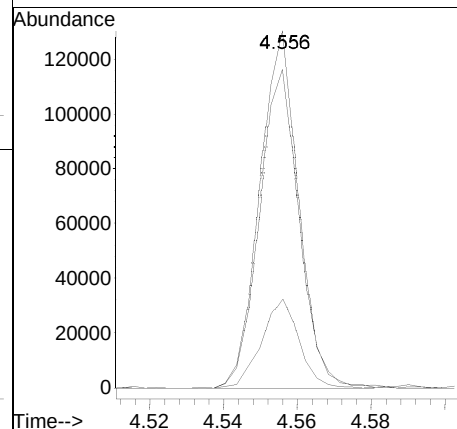
Tgt Ion:	45	Resp:	130308
Ion Ratio	Lower	Upper	
45	100		
121	19.6	9.8	14.6#
77	46.4	6.1	9.1#

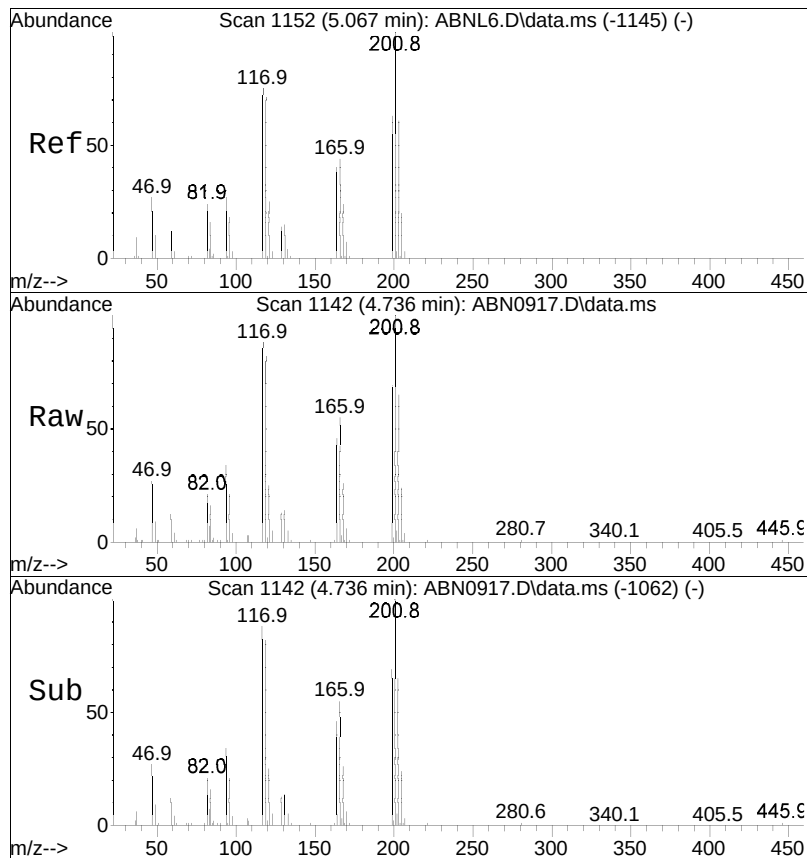




#15
 2-Methylphenol
 Concen: 5.38 ug/ml
 RT: 4.556 min Scan# 1084
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

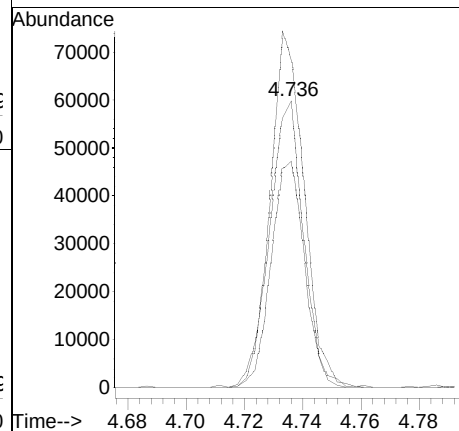
Tgt Ion	Ratio	Lower	Upper
108	100		
107	91.2	70.7	106.1
90	24.0	18.7	28.1

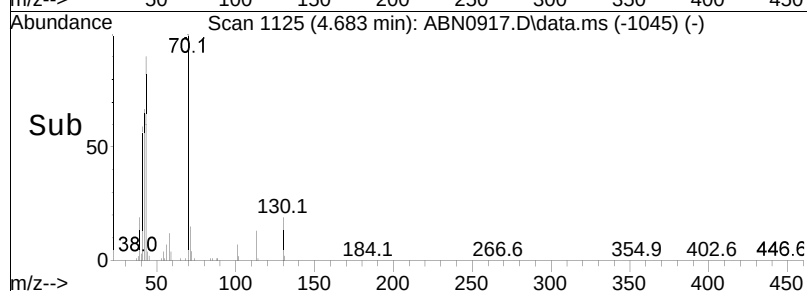
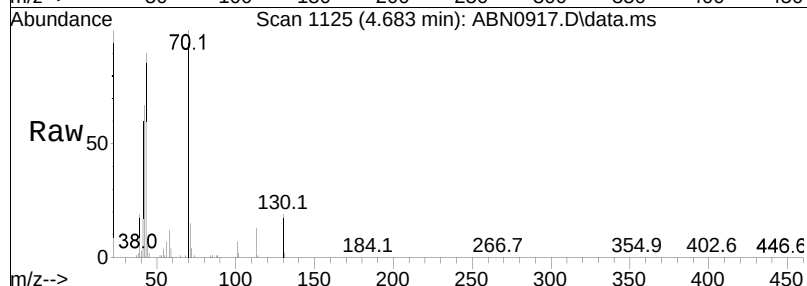
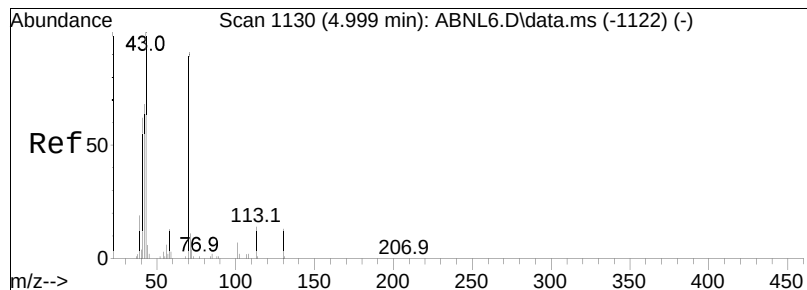




#16
 Hexachloroethane
 Concen: 4.67 ug/ml
 RT: 4.736 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

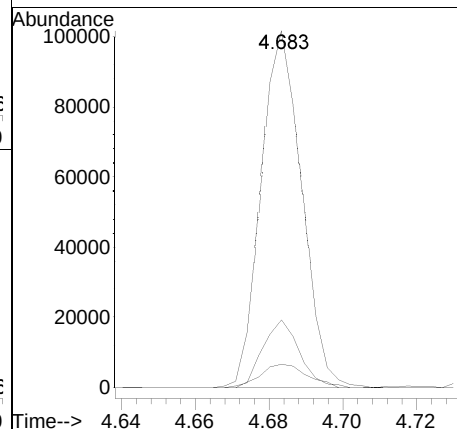
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	48711		
201	122.8		58.6	87.8#
199	77.6		36.9	55.3#

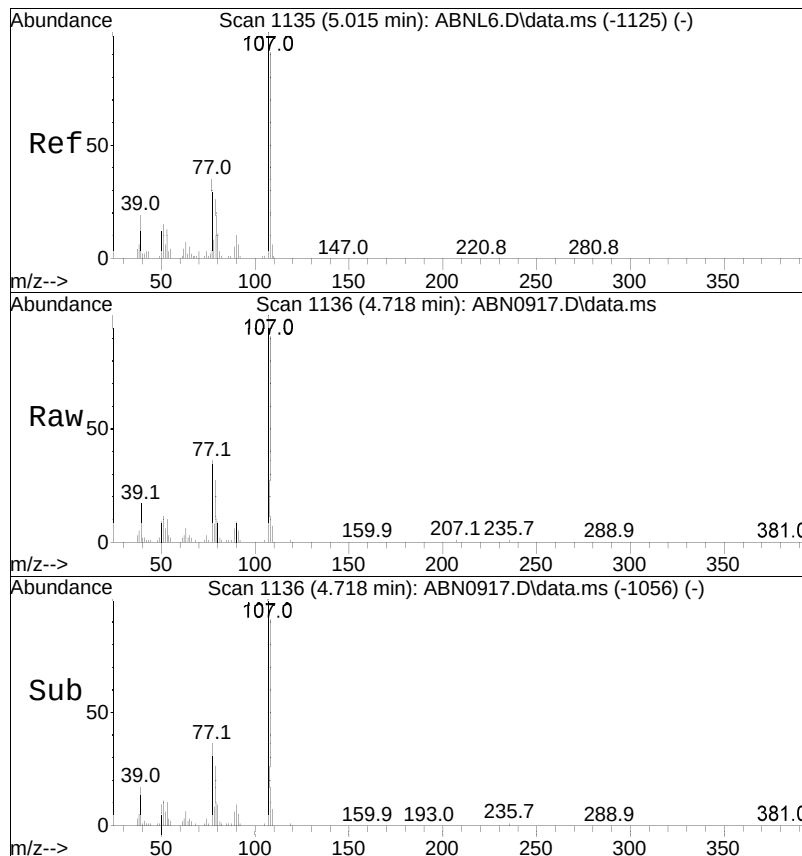




#17
 n-Nitrosodi-n-propylamine
 Concen: 5.05 ug/ml
 RT: 4.683 min Scan# 1125
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

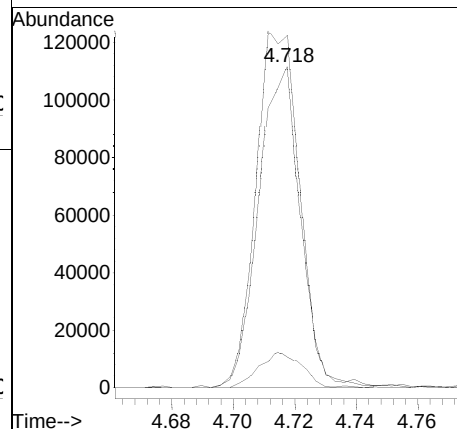
Tgt Ion	Ratio	Resp	Lower	Upper
70	100	77708		
130	17.1		18.2	27.4#
101	7.4		7.8	11.8#

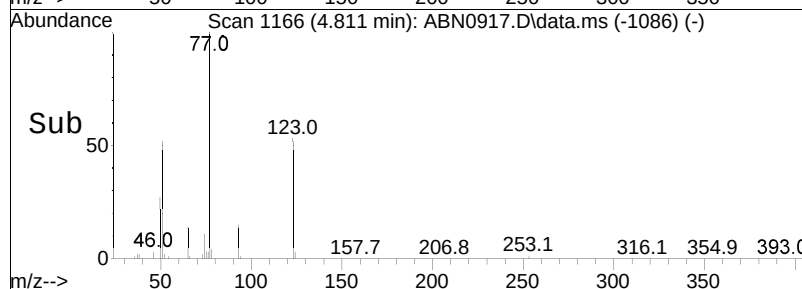
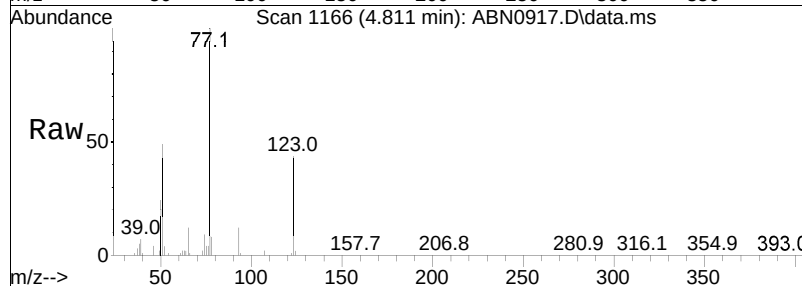
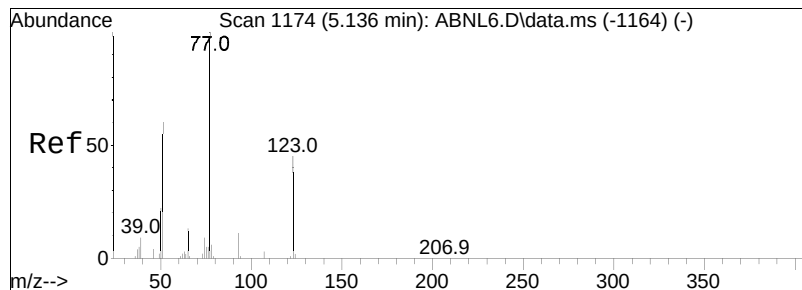




#18
 3-Methylphenol/4-Methylphenol
 Concen: 5.30 ug/ml
 RT: 4.718 min Scan# 1136
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

Tgt Ion:	108	Resp:	105228
Ion Ratio	Lower	Upper	
108	100		
107	117.0	88.6	132.8
90	11.3	8.8	13.2





#20

Nitrobenzene

Concen: 5.19 ug/ml

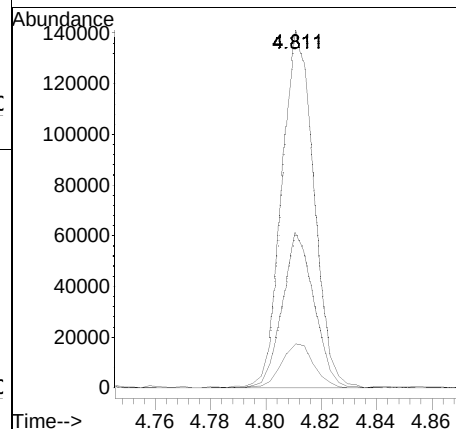
RT: 4.811 min Scan# 1166

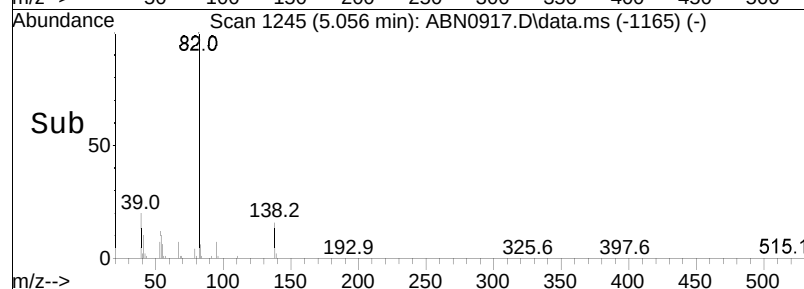
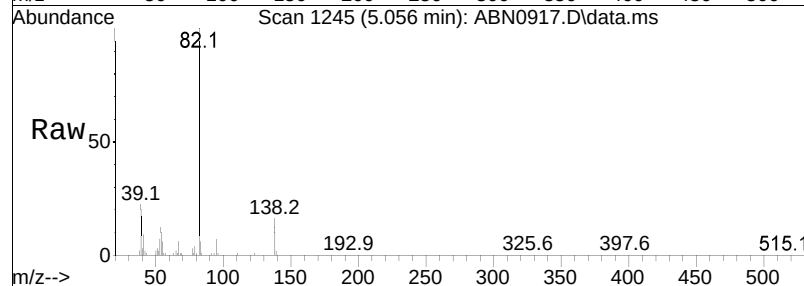
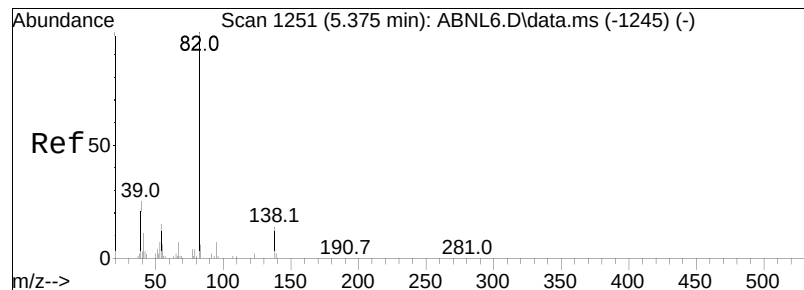
Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 10:42 am

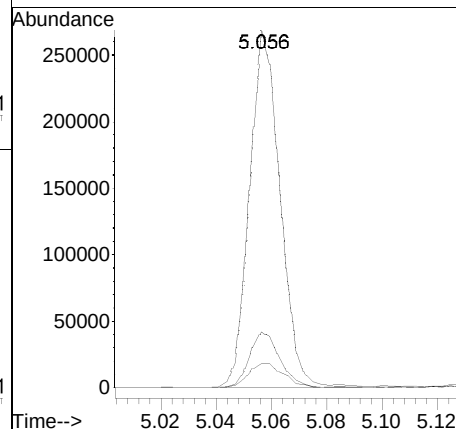
Tgt Ion:	77	Resp:	113144
Ion Ratio	Lower	Upper	
77	100		
123	43.1	36.3	54.5
65	12.6	11.6	17.4

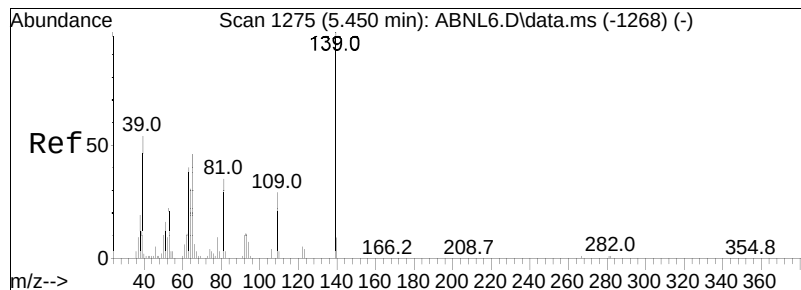




#21
Isophorone
Concen: 5.11 ug/ml
RT: 5.056 min Scan# 1245
Delta R.T. 0.000 min
Lab File: ABN0917.D
Acq: 17 Sep 2025 10:42 am

Tgt Ion	Ratio	Lower	Upper
82	100		
138	15.6	14.7	22.1
95	7.8	5.2	7.8#





#22

2-Nitrophenol

Concen: 5.75 ug/ml

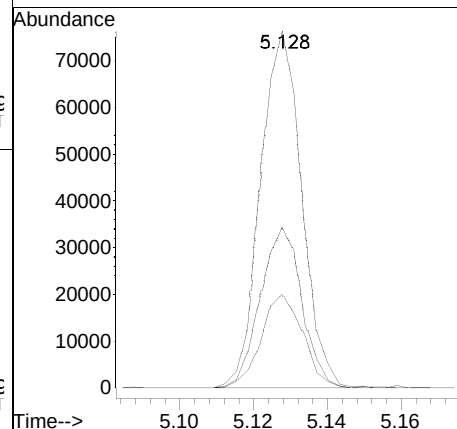
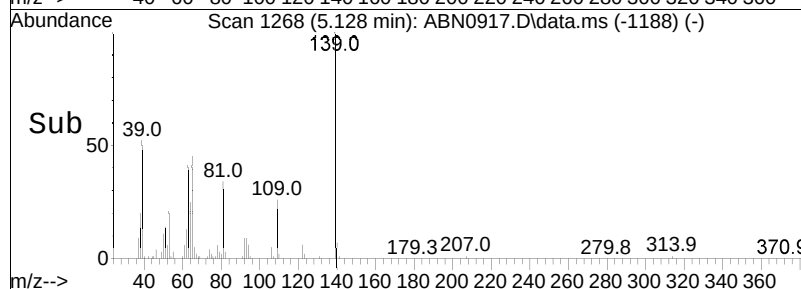
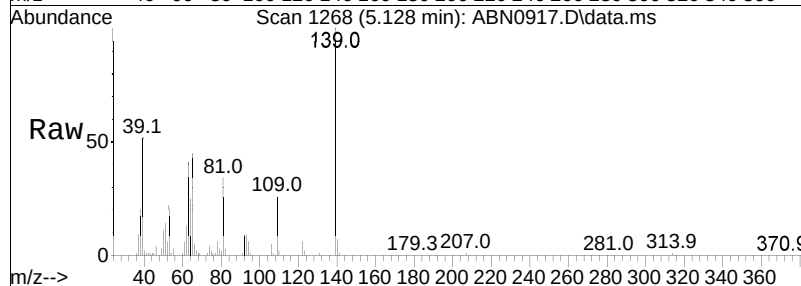
RT: 5.128 min Scan# 1268

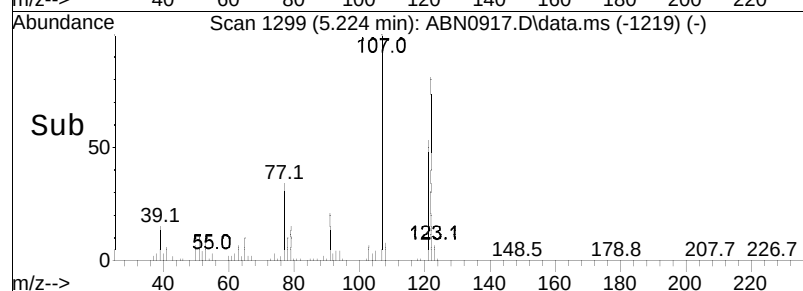
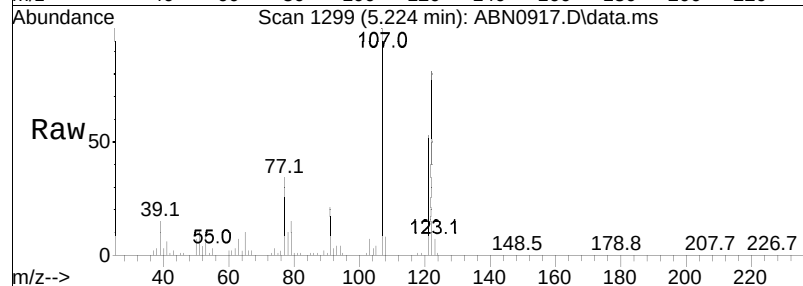
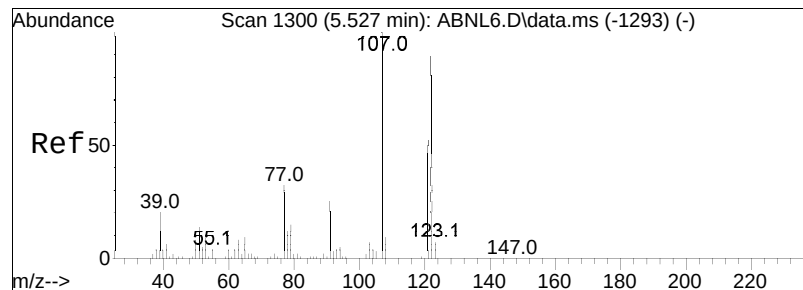
Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 10:42 am

Tgt Ion:	139	Resp:	58869
Ion Ratio	Lower	Upper	
139	100		
109	26.5	19.4	29.0
65	45.3	46.1	69.1#





#23

2,4-Dimethylphenol

Concen: 5.51 ug/ml

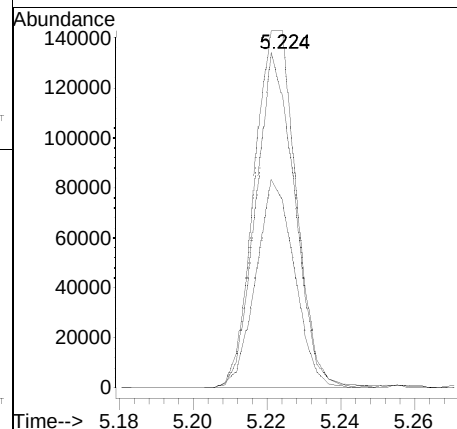
RT: 5.224 min Scan# 1299

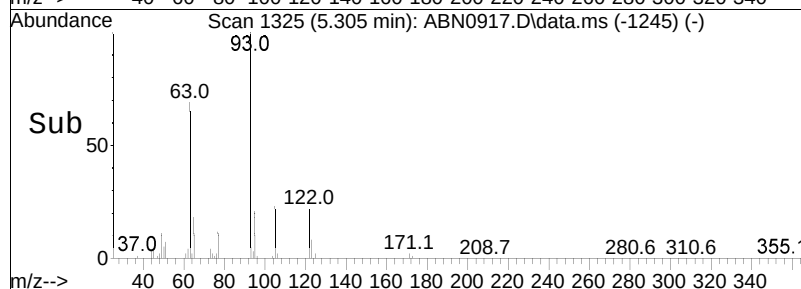
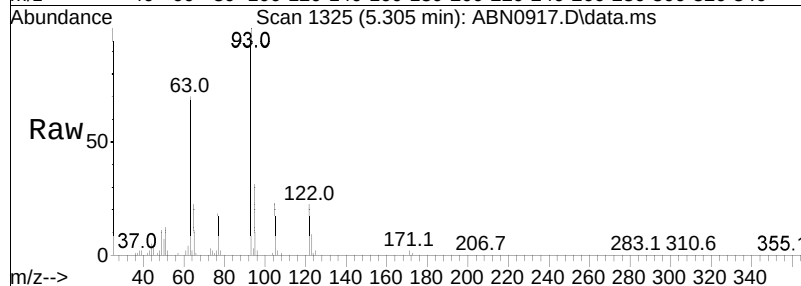
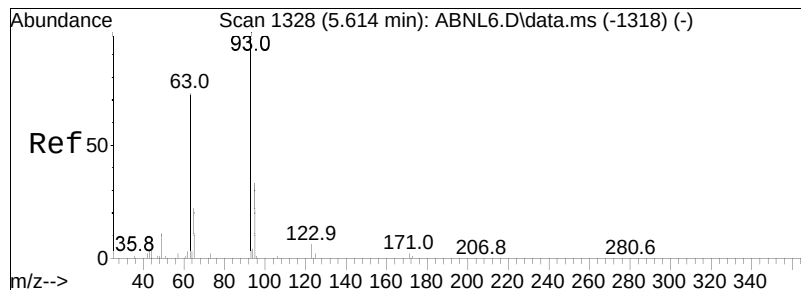
Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 10:42 am

Tgt Ion:	107	Resp:	113037
Ion Ratio	Lower	Upper	
107	100		
121	53.8	40.0	60.0
122	86.9	70.2	105.4





#24

Bis(2-chloroethoxy)methane

Concen: 4.69 ug/ml

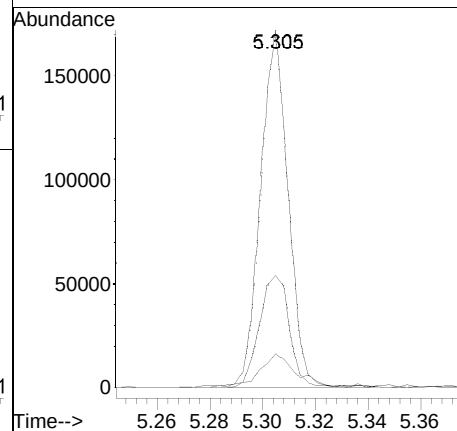
RT: 5.305 min Scan# 1325

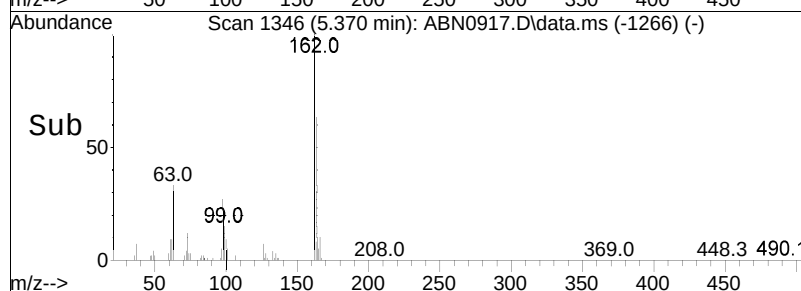
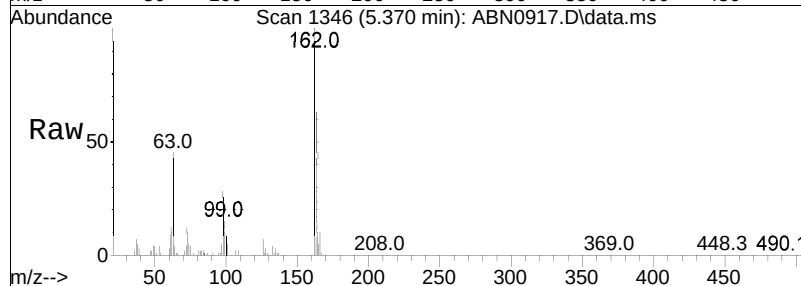
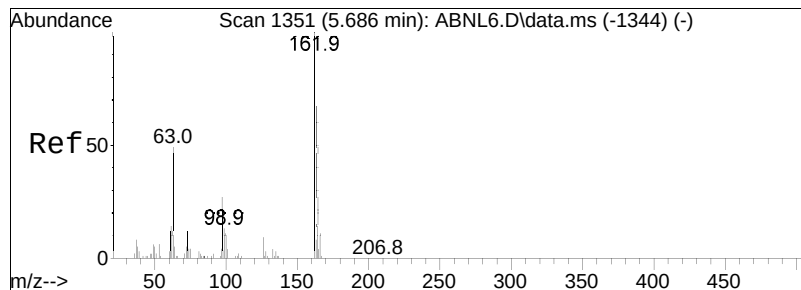
Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 10:42 am

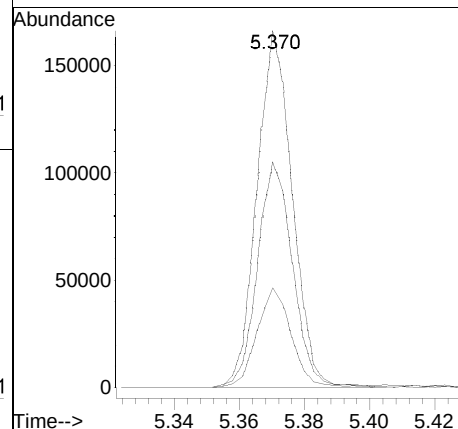
Tgt	Ion: 93	Resp:	123972
Ion	Ratio	Lower	Upper
93	100		
95	34.2	25.8	38.8
123	12.4	10.1	15.1

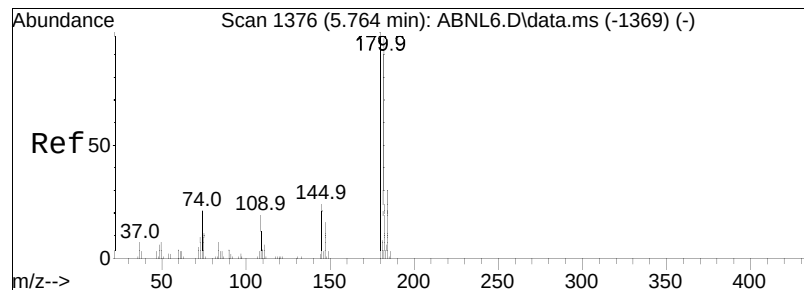




#25
 2,4-Dichlorophenol
 Concen: 5.42 ug/ml
 RT: 5.370 min Scan# 1346
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

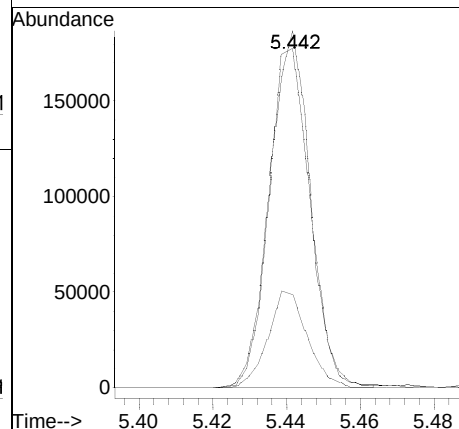
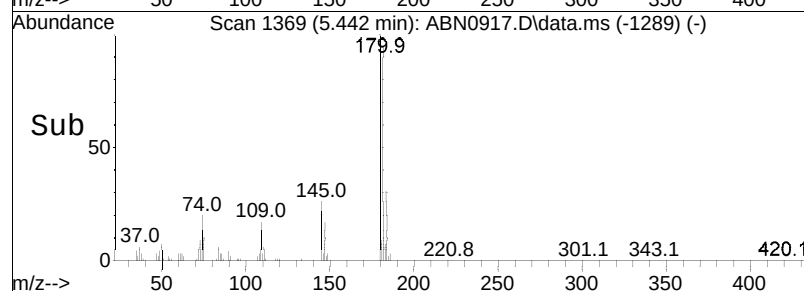
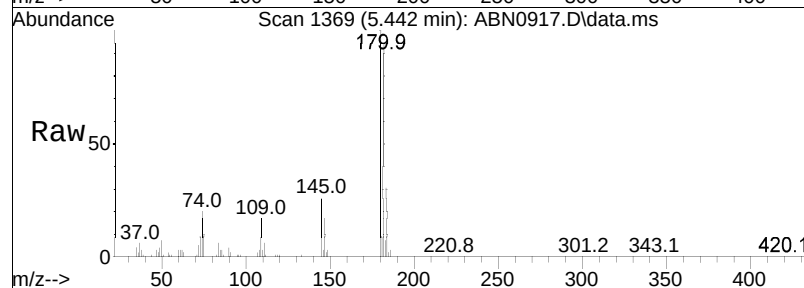
Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.2	51.0	76.4
98	27.3	32.2	48.2

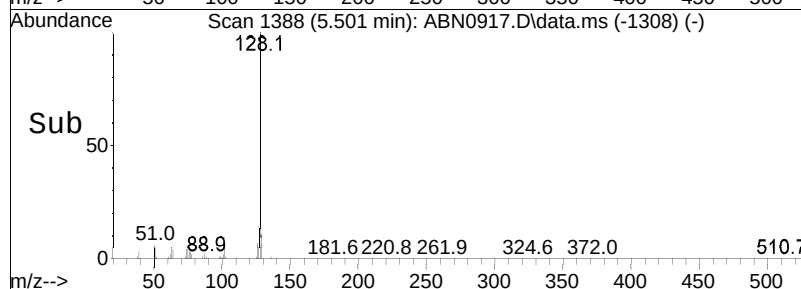
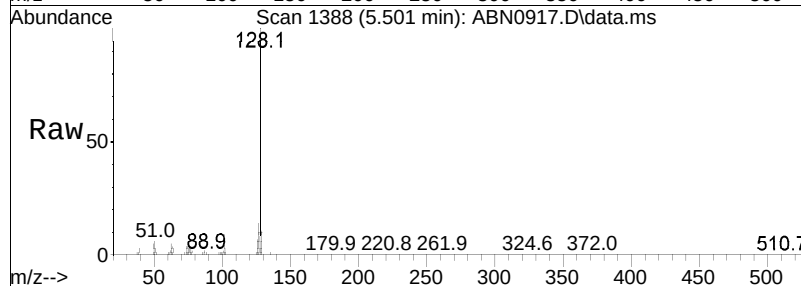
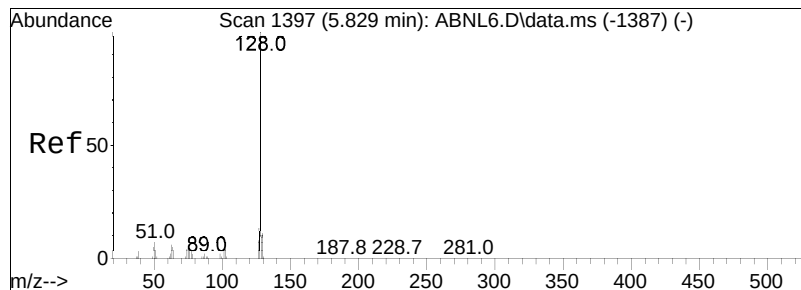




#26
 1,2,4-Trichlorobenzene
 Concen: 4.94 ug/ml
 RT: 5.442 min Scan# 1369
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

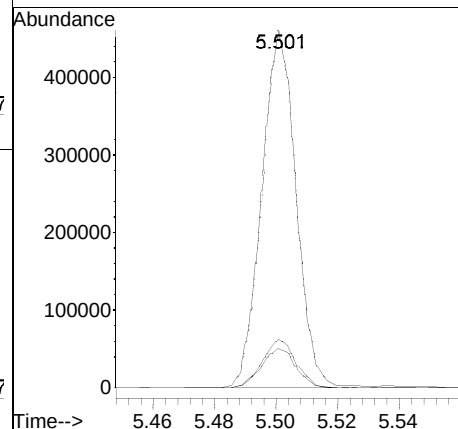
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.0	114.0
145	26.5	25.7	38.5

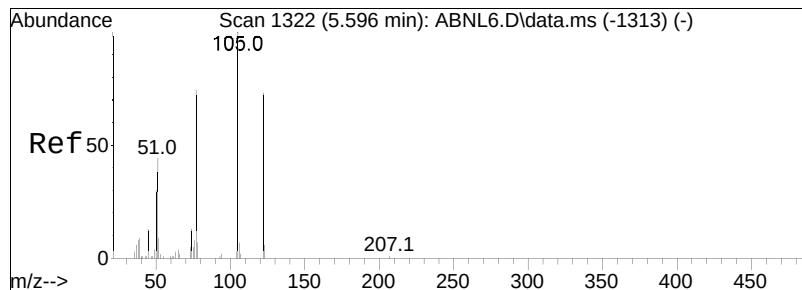




#38
Naphthalene
Concen: 4.96 ug/ml
RT: 5.501 min Scan# 1388
Delta R.T. 0.000 min
Lab File: ABN0917.D
Acq: 17 Sep 2025 10:42 am

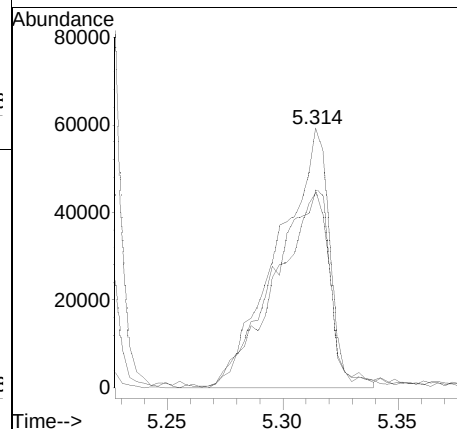
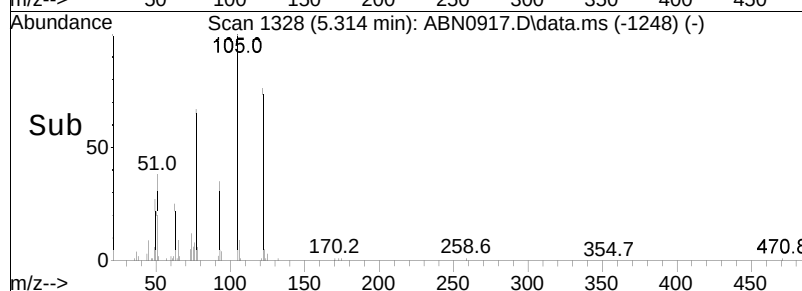
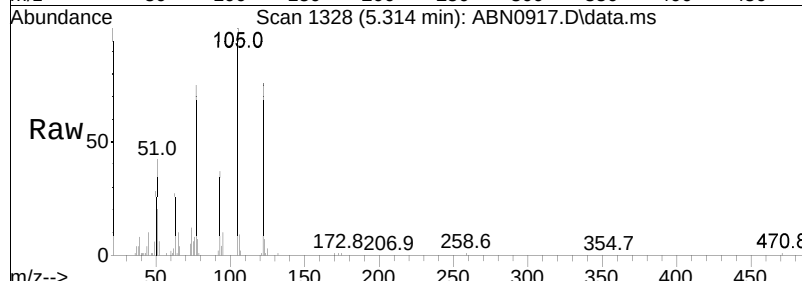
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.7	13.1
127	13.4	10.3	15.5

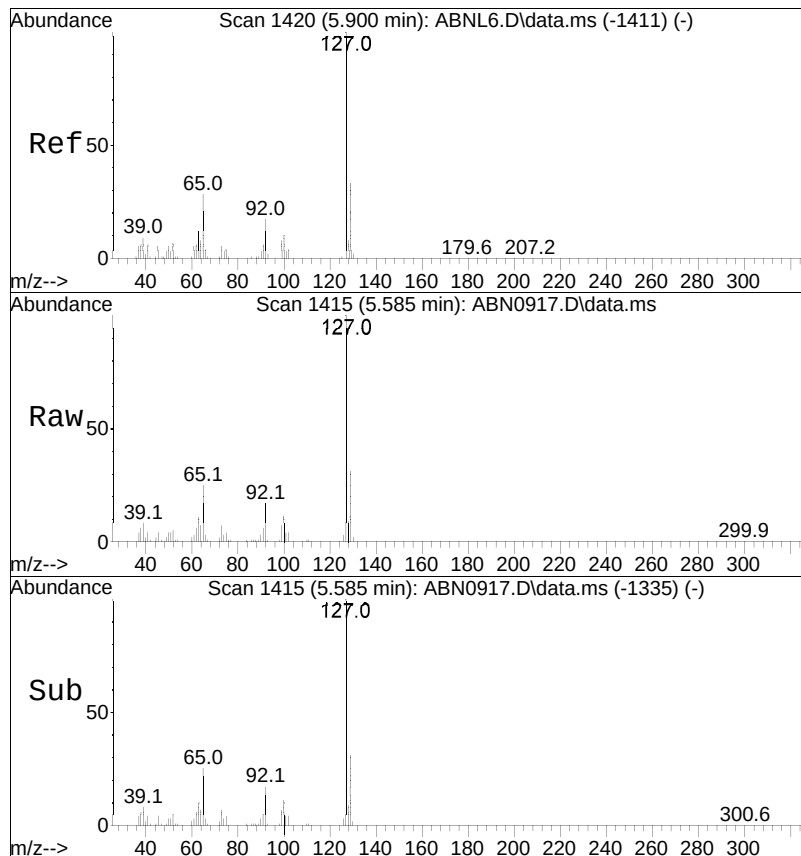




#39
Benzoic Acid
Concen: 8.05 ug/ml
RT: 5.314 min Scan# 1328
Delta R.T. 0.000 min
Lab File: ABN0917.D
Acq: 17 Sep 2025 10:42 am

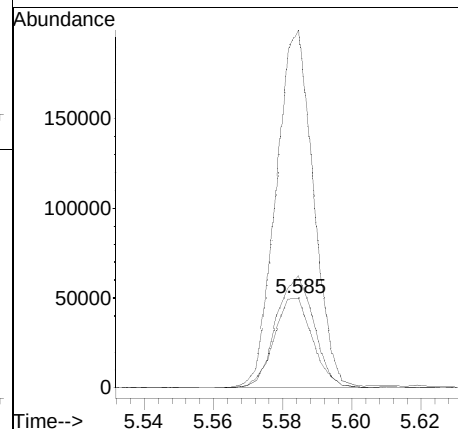
Tgt Ion	Ratio	Lower	Upper
105	100		
122	83.8	59.9	89.9
77	76.9	60.1	90.1

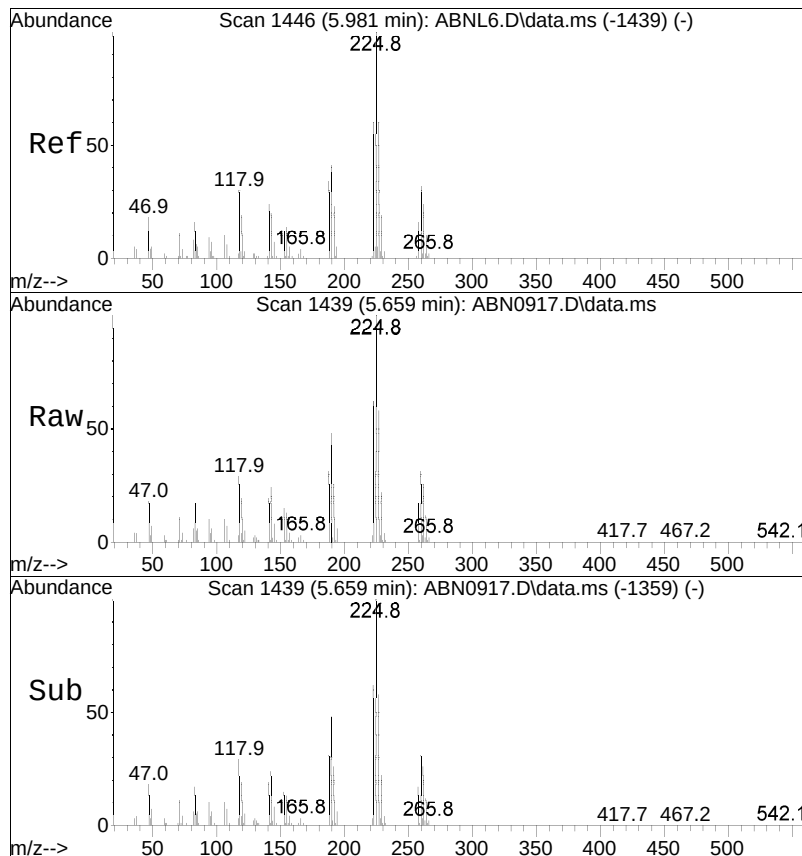




#40
 4-Chloroaniline
 Concen: 4.32 ug/ml
 RT: 5.585 min Scan# 1415
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

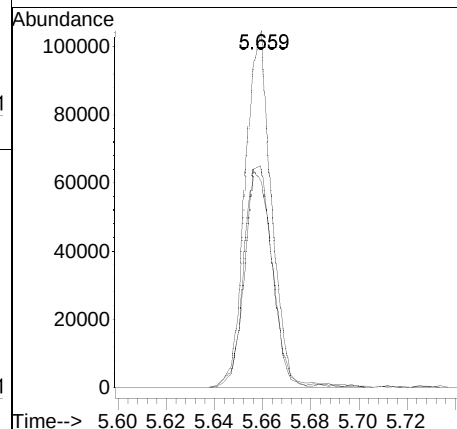
Tgt Ion	Ratio	Lower	Upper
65	100		
127	382.1	237.6	356.4#
129	121.5	76.3	114.5#

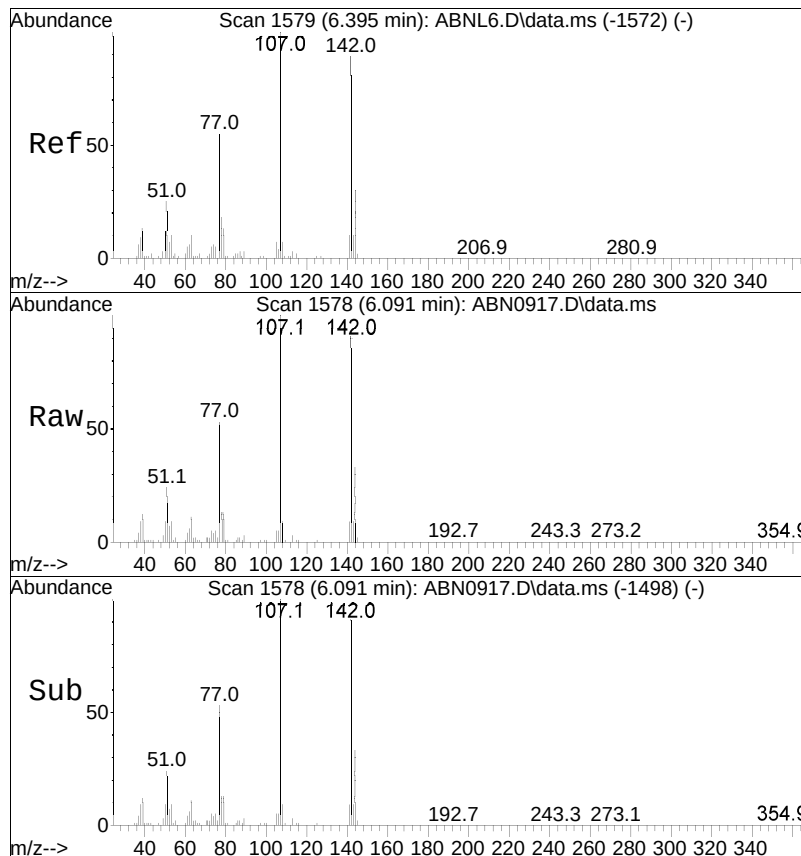




#41
 Hexachlorobutadiene
 Concen: 4.10 ug/ml
 RT: 5.659 min Scan# 1439
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

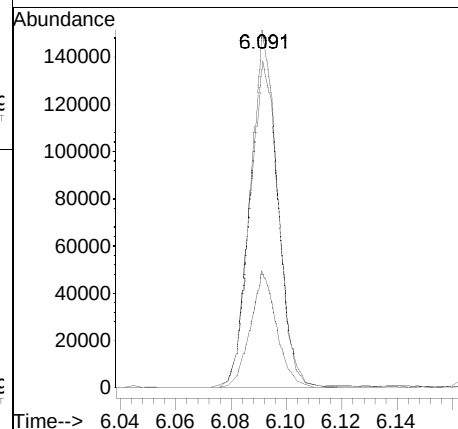
Tgt Ion:	225	Resp:	79135
Ion Ratio	Lower	Upper	
225	100		
223	66.9	50.3	75.5
227	64.7	52.2	78.2

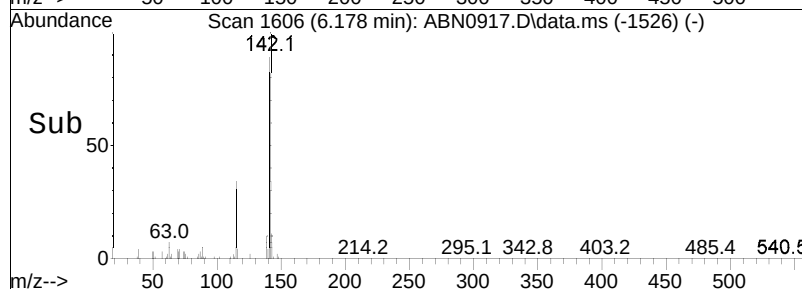
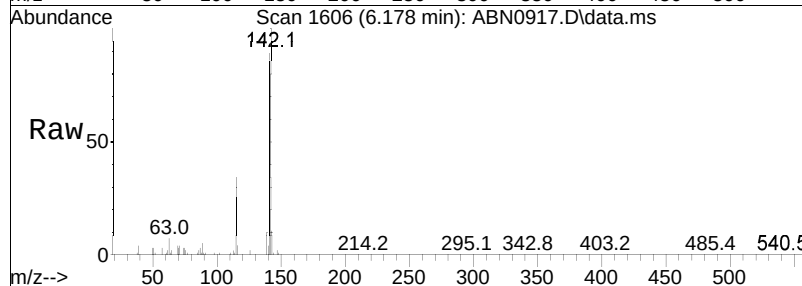
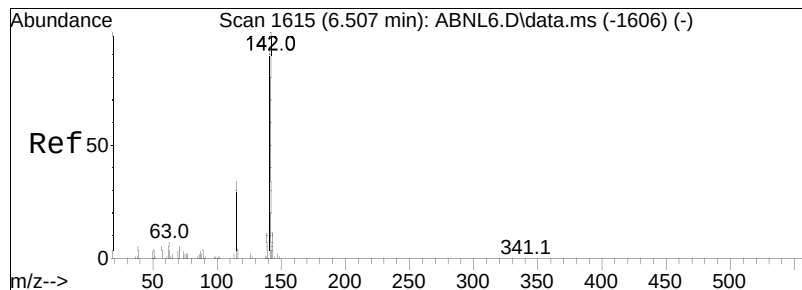




#42
 p-Chloro-m-cresol
 Concen: 5.47 ug/ml
 RT: 6.091 min Scan# 1578
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

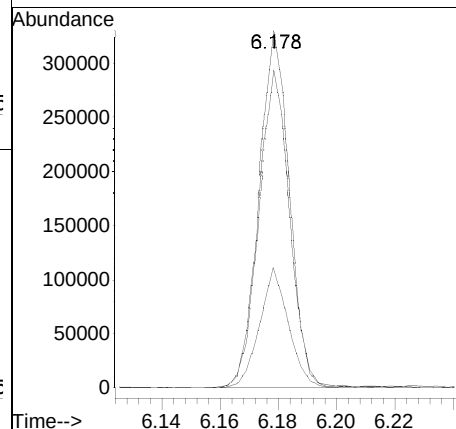
Tgt Ion:	107	Resp:	102885
Ion Ratio	Lower	Upper	
107	100		
144	31.3	20.9	31.3
142	95.9	66.1	99.1

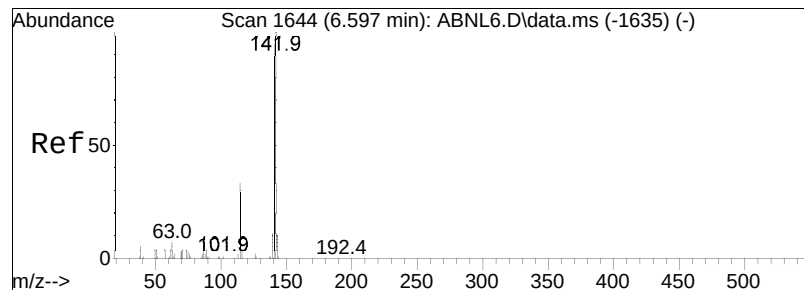




#43
 2-Methylnaphthalene
 Concen: 5.13 ug/ml
 RT: 6.178 min Scan# 1606
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

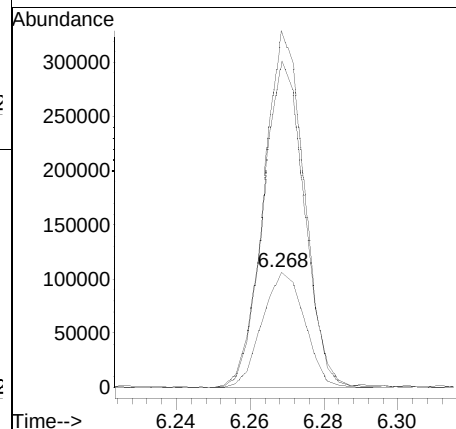
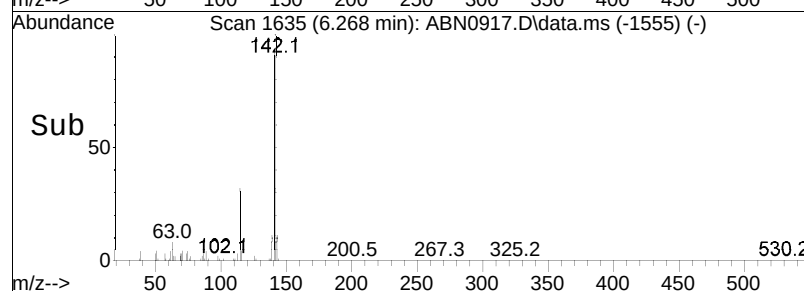
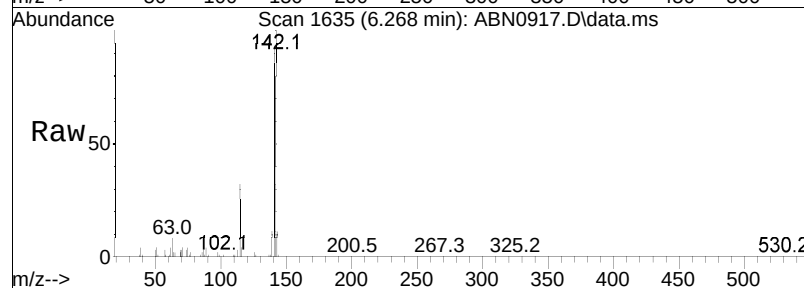
Tgt Ion:	142	Resp:	240470
Ion Ratio	Lower	Upper	
142	100		
141	89.6	69.6	104.4
115	31.9	26.6	40.0

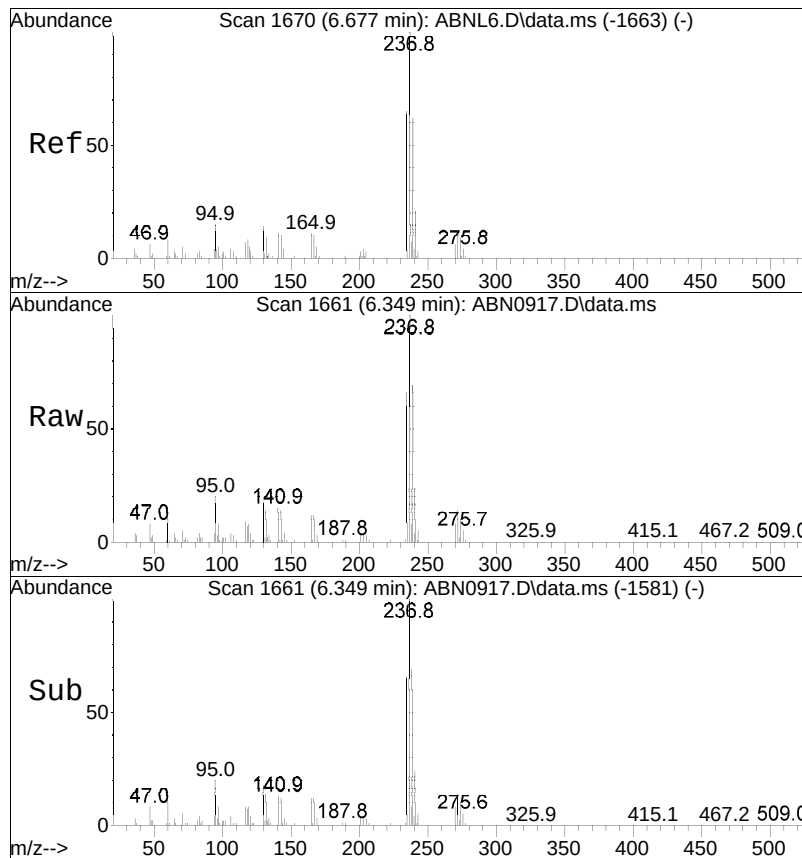




#44
 1-Methylnaphthalene
 Concen: 4.86 ug/ml
 RT: 6.268 min Scan# 1635
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

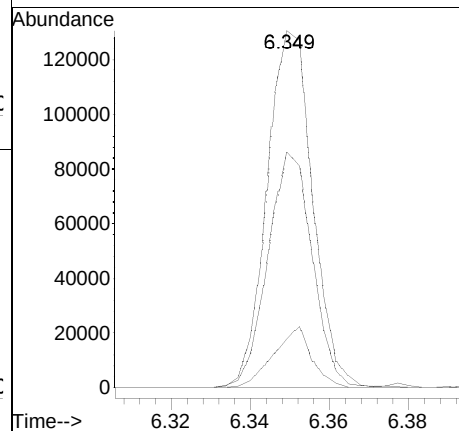
Tgt Ion	Ratio	Lower	Upper
115	100		
141	273.4	207.8	311.6
142	295.0	226.8	340.2

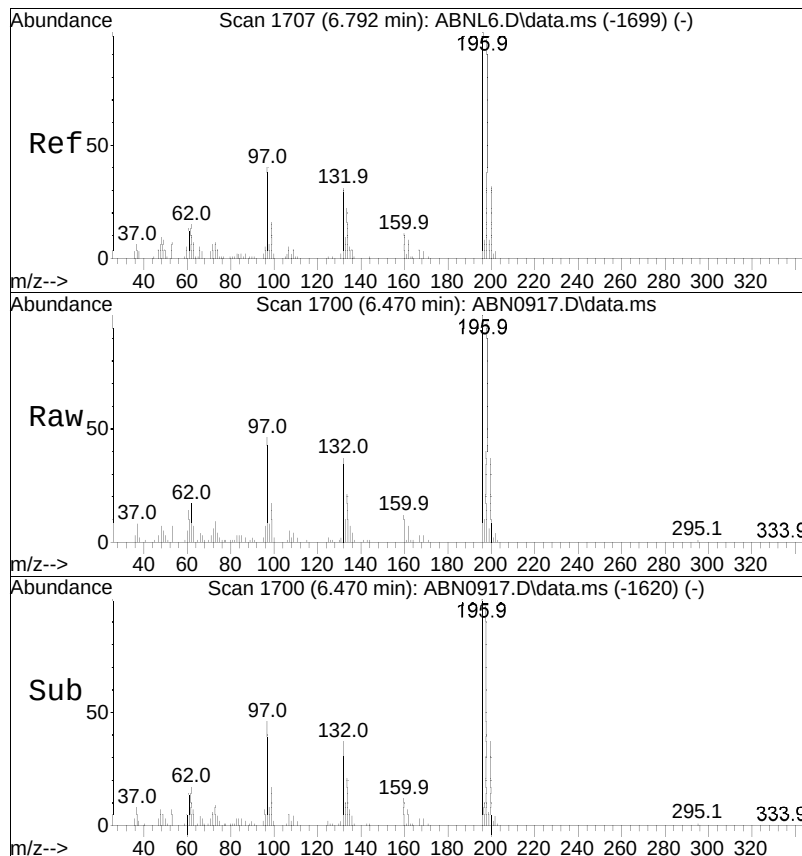




#45
 Hexachlorocyclopentadiene
 Concen: 4.77 ug/ml
 RT: 6.349 min Scan# 1661
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

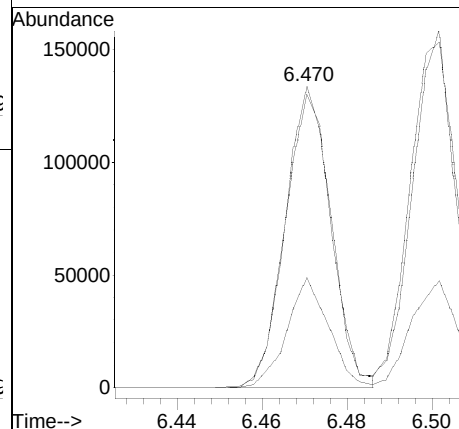
Tgt Ion:	237	Resp:	104193
Ion Ratio	Lower	Upper	
237	100		
235	64.6	49.7	74.5
272	14.3	9.8	14.6

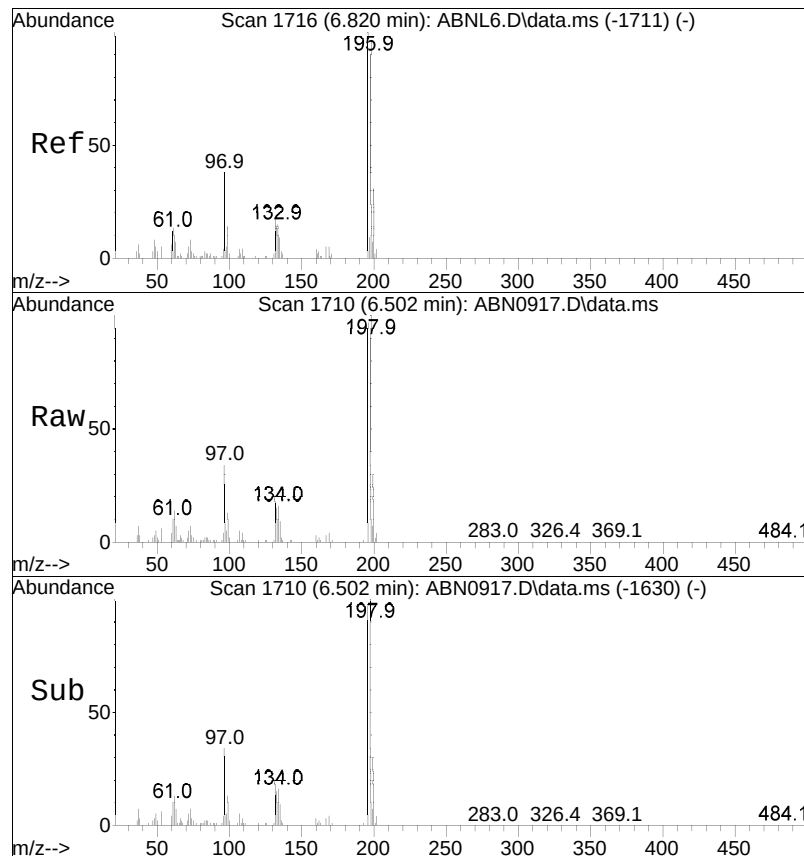




#46
 2,4,6-Trichlorophenol
 Concen: 4.97 ug/ml
 RT: 6.470 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

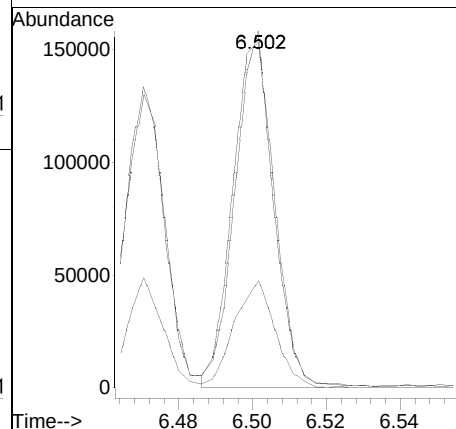
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	99665		
198	97.7		77.5	116.3
200	33.6		23.8	35.6

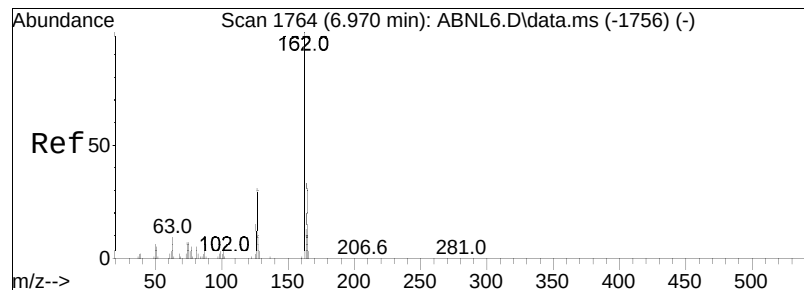




#47
 2,4,5-Trichlorophenol
 Concen: 5.50 ug/ml
 RT: 6.502 min Scan# 1710
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

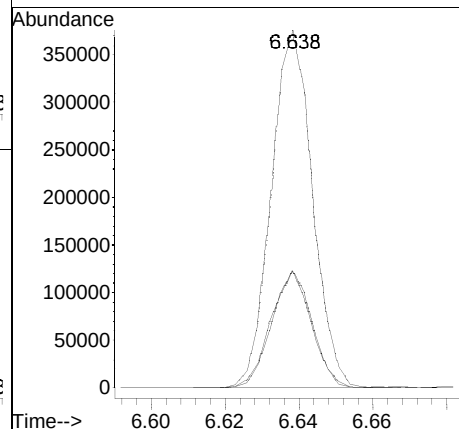
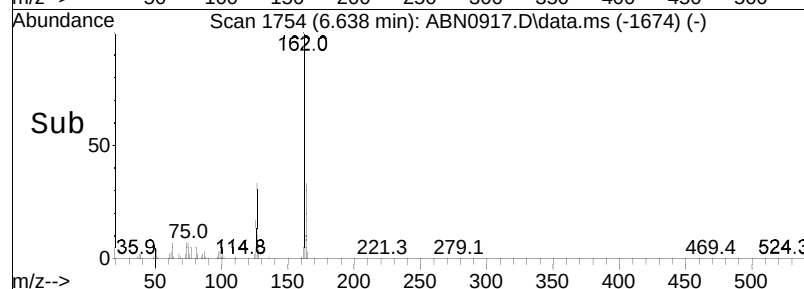
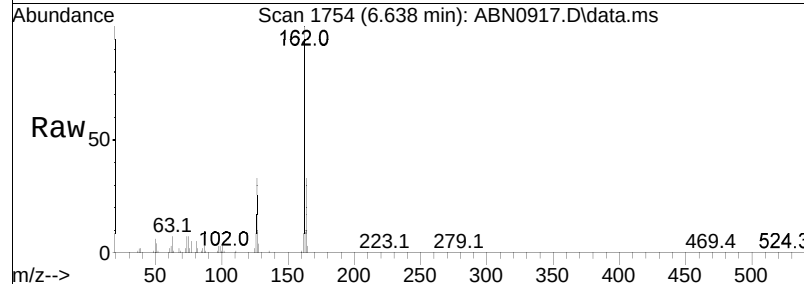
Tgt Ion:	196	Resp:	121823
Ion Ratio	Lower	Upper	
196	100		
200	29.9	25.4	38.0
198	93.2	78.0	117.0

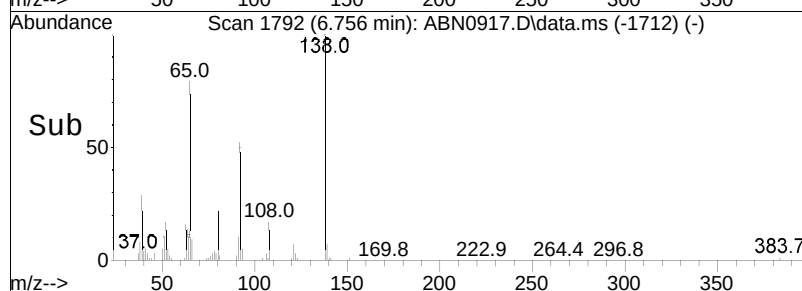
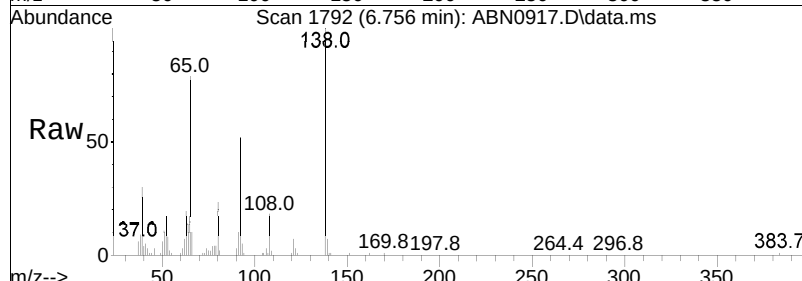
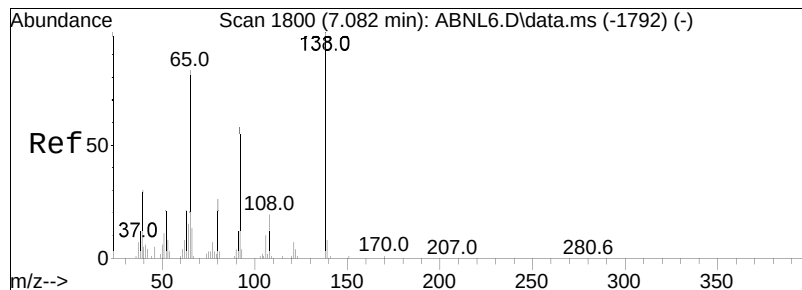




#49
 2-Chloronaphthalene
 Concen: 4.99 ug/ml
 RT: 6.638 min Scan# 1754
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

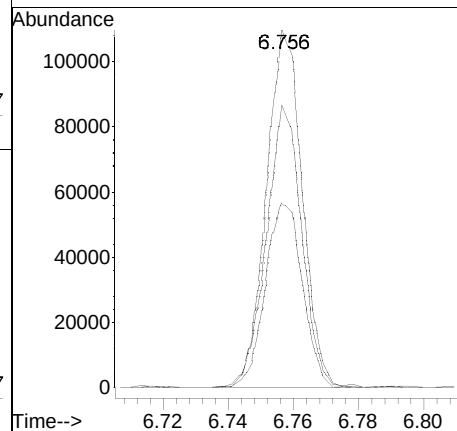
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	289414		
127	32.2		32.2	48.4#
164	32.3		25.7	38.5

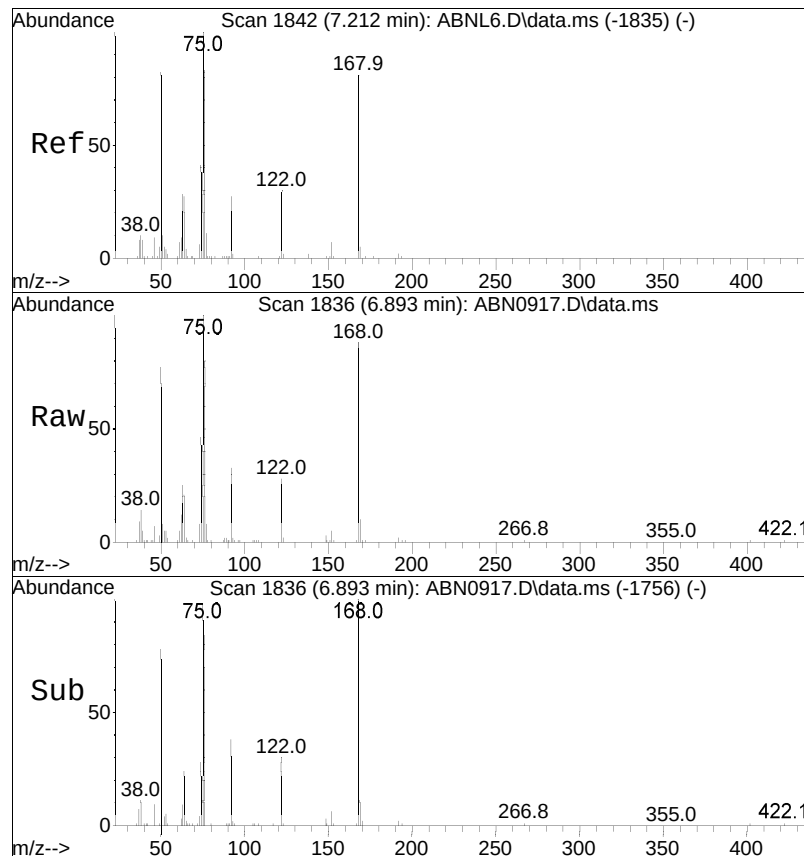




#50
 2-Nitroaniline
 Concen: 5.70 ug/ml
 RT: 6.756 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

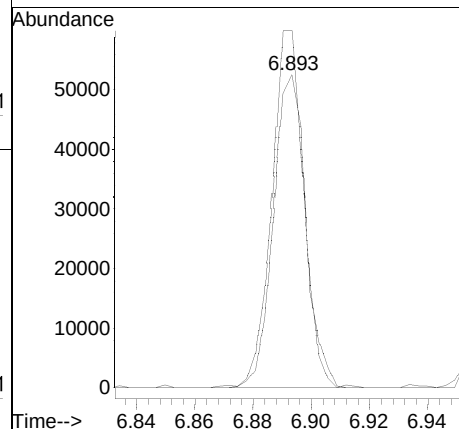
Tgt Ion	Ratio	Lower	Upper
138	100		
92	53.6	53.5	80.3
65	78.1	86.3	129.5

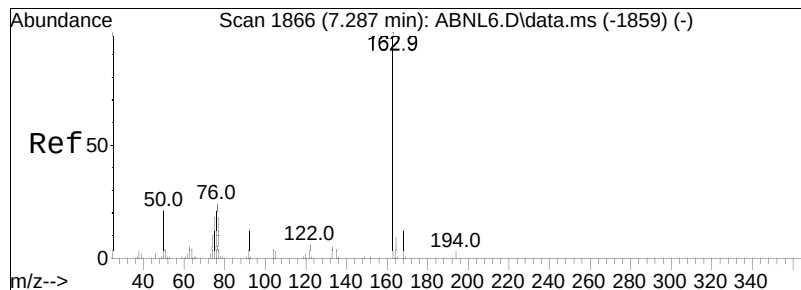




#51
 1,4-Dinitrobenzene
 Concen: 5.52 ug/ml M3
 RT: 6.893 min Scan# 1836
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

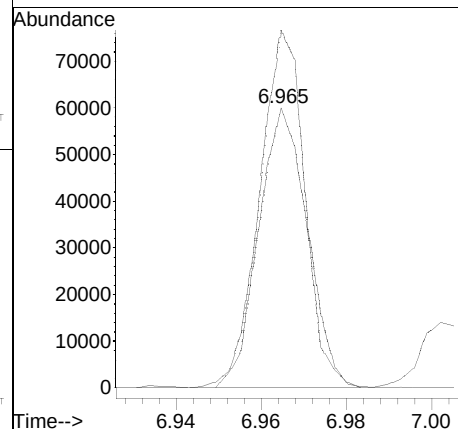
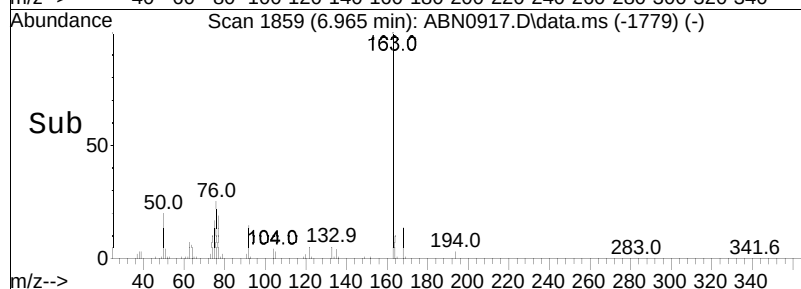
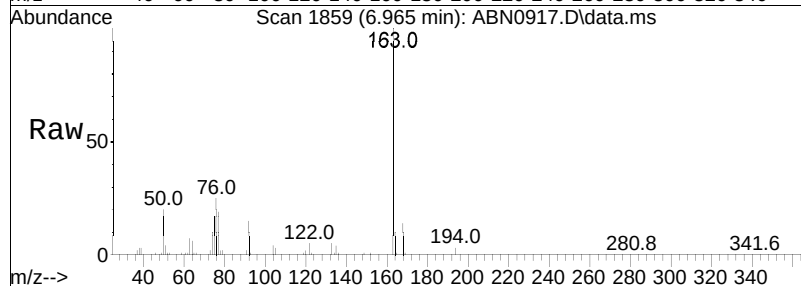
Tgt Ion	Ratio	Lower	Upper
168	100		
75	141.3	121.8	182.8

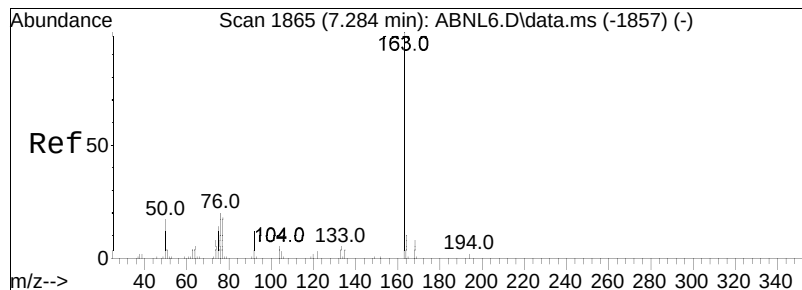




#52
 1,3-Dinitrobenzene
 Concen: 5.45 ug/ml
 RT: 6.965 min Scan# 1859
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

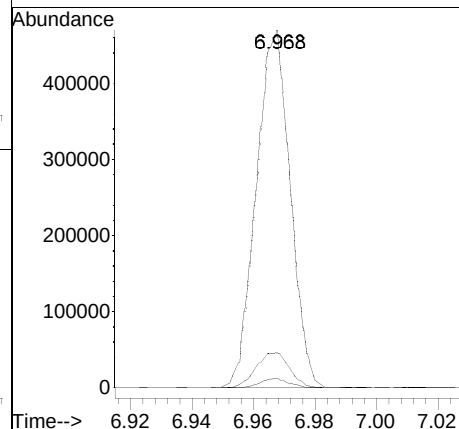
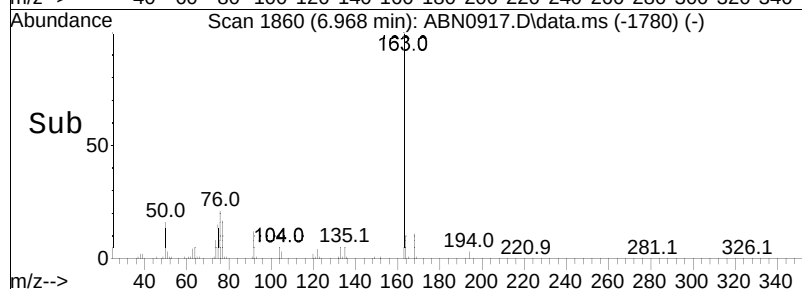
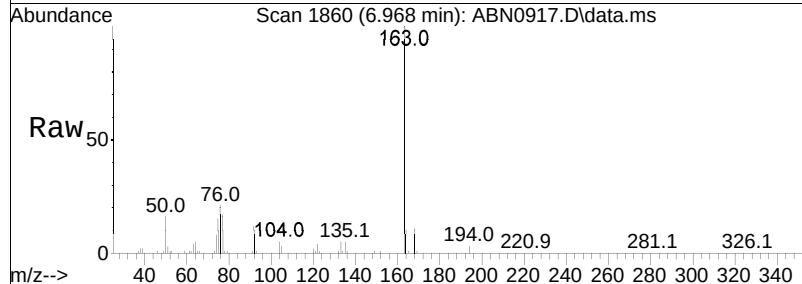
Tgt Ion:168 Resp: 45748
 Ion Ratio Lower Upper
 168 100
 75 125.7 22.7 34.1#

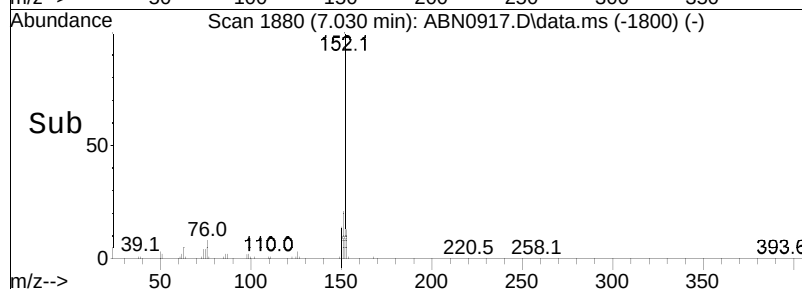
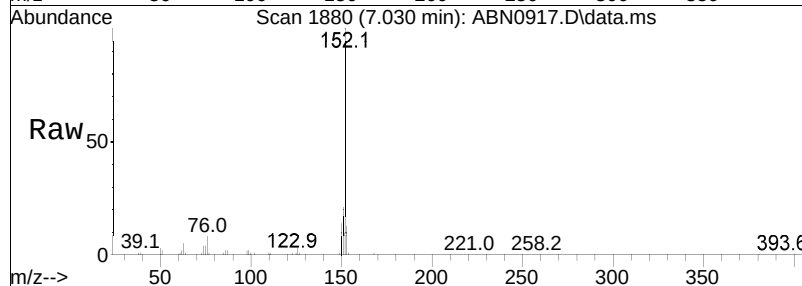
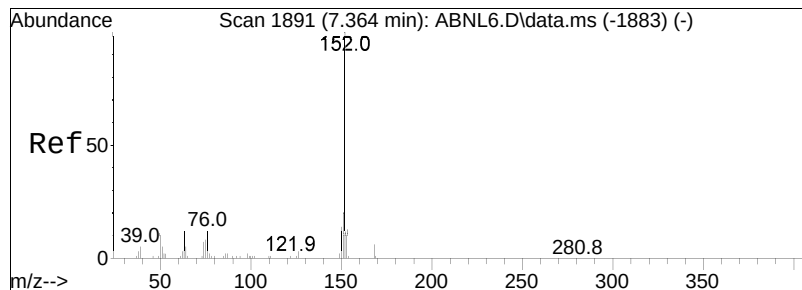




#53
 Dimethyl phthalate
 Concen: 4.92 ug/ml
 RT: 6.968 min Scan# 1860
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.4	3.5	5.3#
164	10.0	7.9	11.9





#54

Acenaphthylene

Concen: 5.19 ug/ml

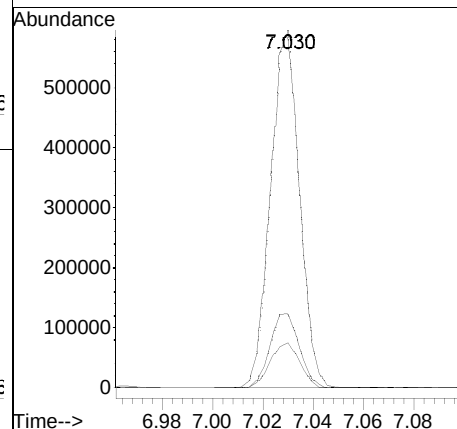
RT: 7.030 min Scan# 1880

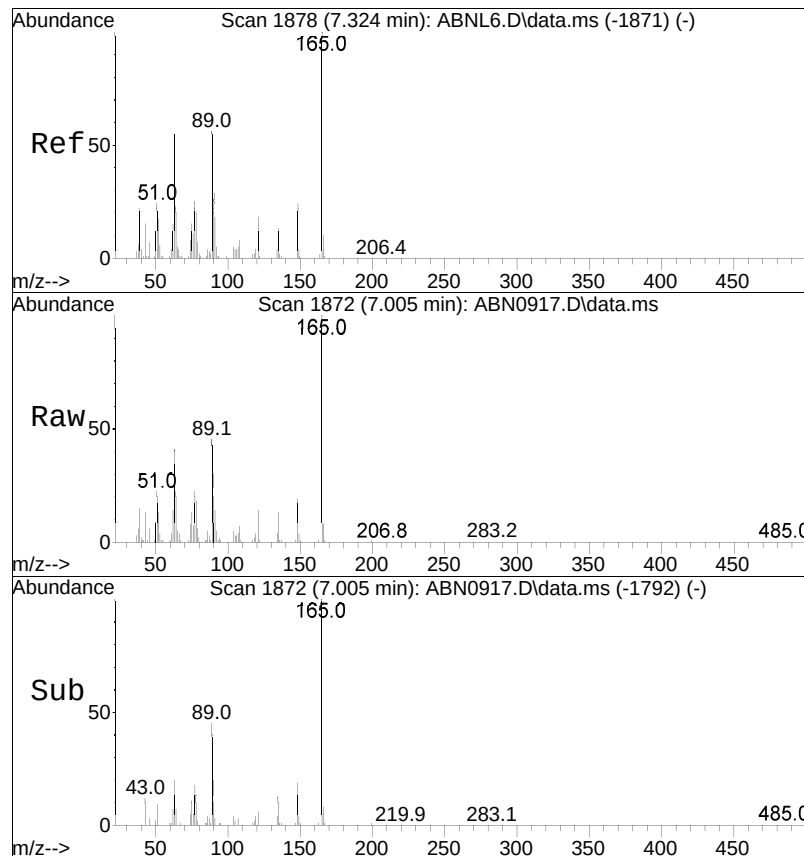
Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 10:42 am

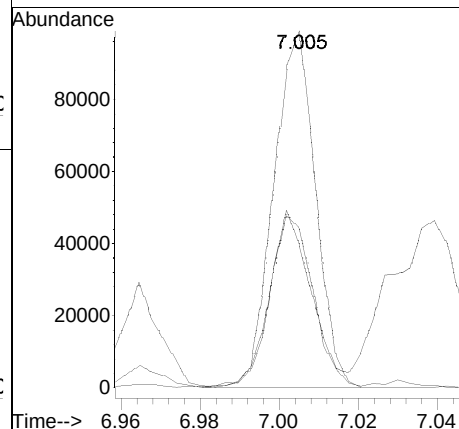
Tgt Ion:	152	Resp:	469928
Ion Ratio	Lower	Upper	
152	100		
151	21.3	15.8	23.6
153	13.3	10.5	15.7

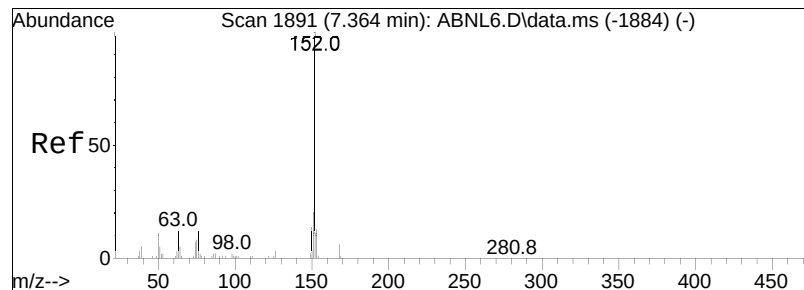




#55
 2,6-Dinitrotoluene
 Concen: 5.10 ug/ml
 RT: 7.005 min Scan# 1872
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

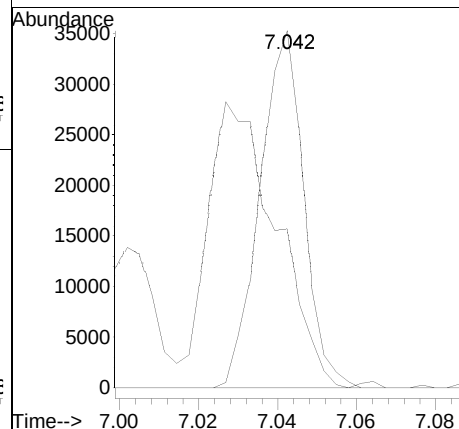
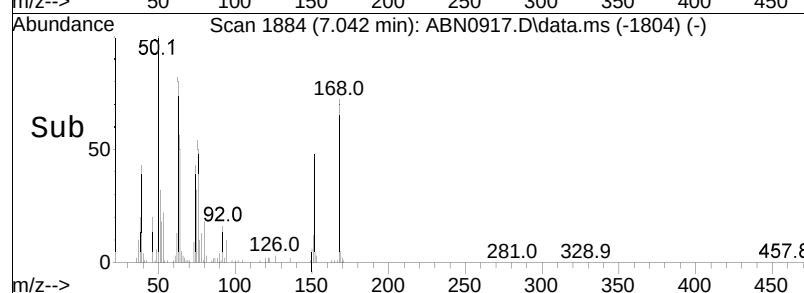
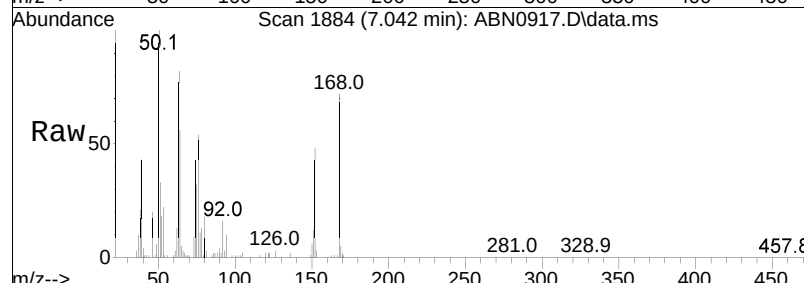
Tgt Ion:	165	Resp:	72638
Ion Ratio	Lower	Upper	
165	100		
89	50.6	54.2	81.2#
63	49.8	64.2	96.2#

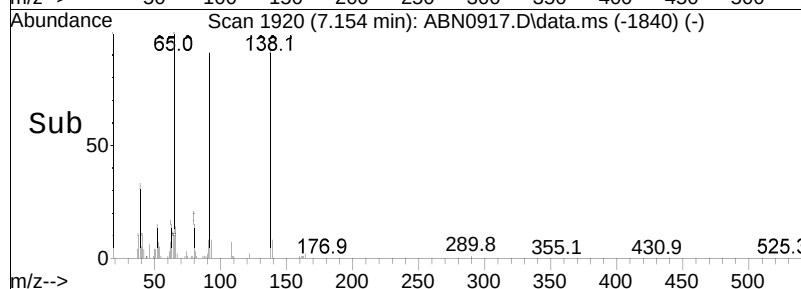
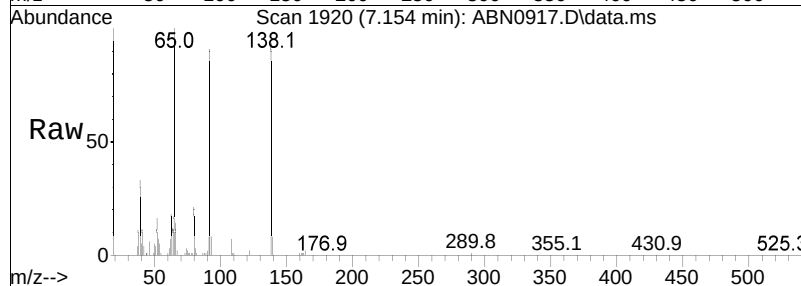
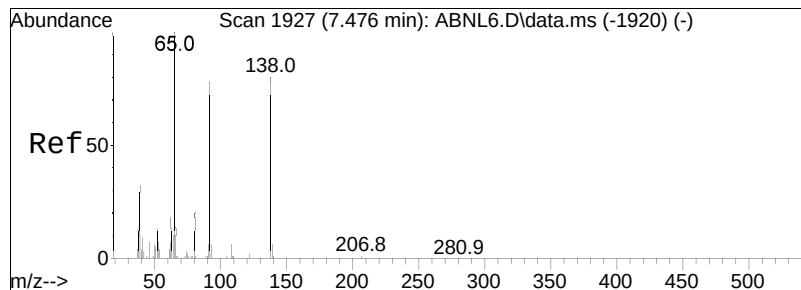




#56
 1,2-Dinitrobenzene
 Concen: 5.15 ug/ml
 RT: 7.042 min Scan# 1884
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

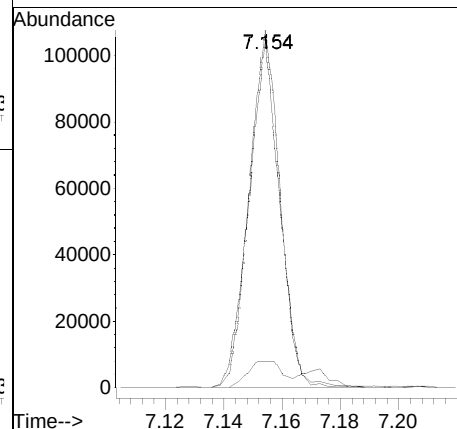
Tgt Ion:168 Resp: 27146
 Ion Ratio Lower Upper
 168 100
 75 124.3 30.9 46.3#

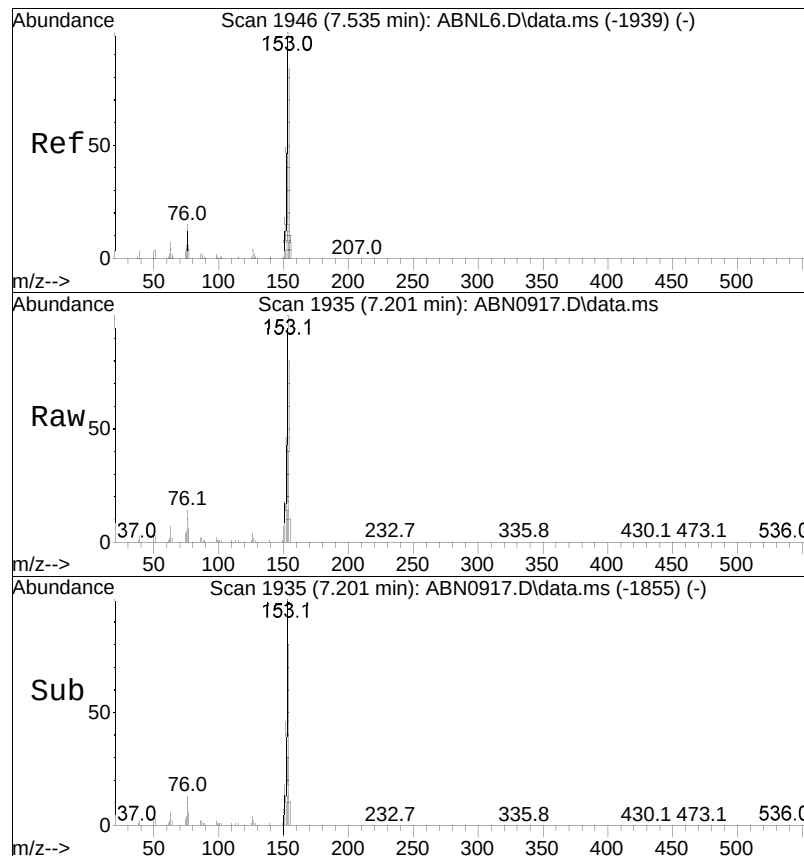




#66
 3-Nitroaniline
 Concen: 5.43 ug/ml
 RT: 7.154 min Scan# 1920
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

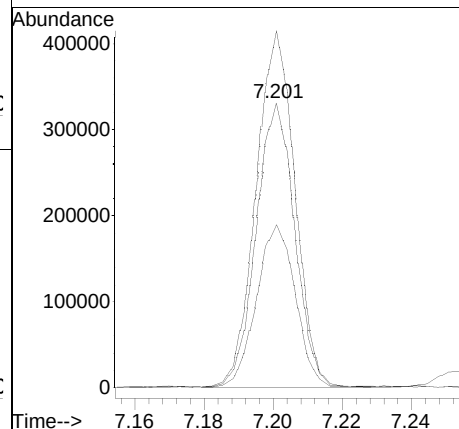
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	78223		
92	97.2		93.4	140.2
108	8.5		9.5	14.3#

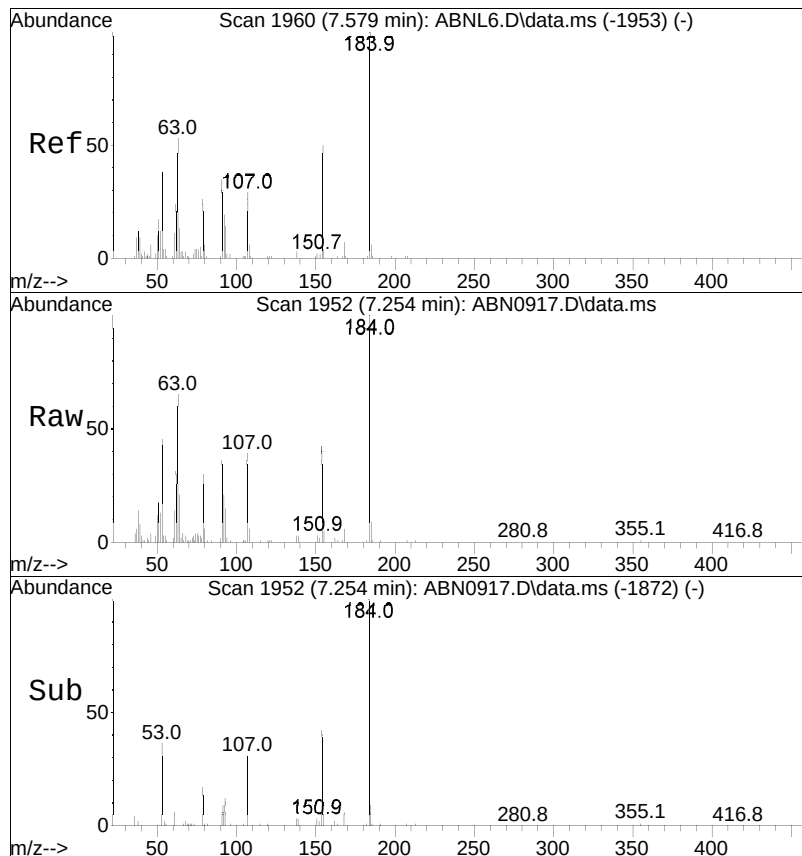




#67
 Acenaphthene
 Concen: 4.70 ug/ml
 RT: 7.201 min Scan# 1935
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

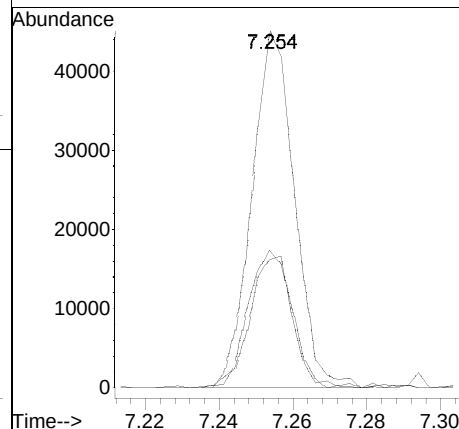
Tgt	Ion	Ratio	Lower	Upper
154	100			
153	126.7	85.3	127.9	
152	57.6	41.4	62.0	

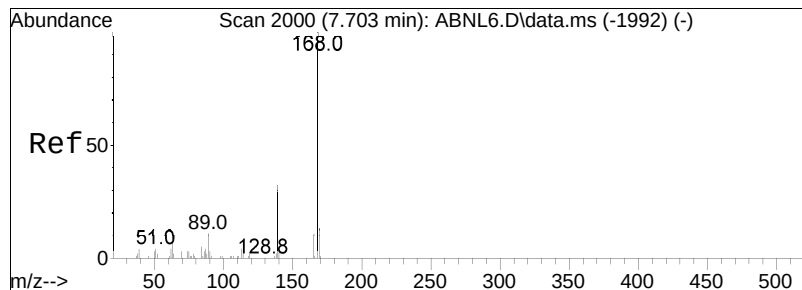




#68
 2,4-Dinitrophenol
 Concen: 4.33 ug/ml
 RT: 7.254 min Scan# 1952
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

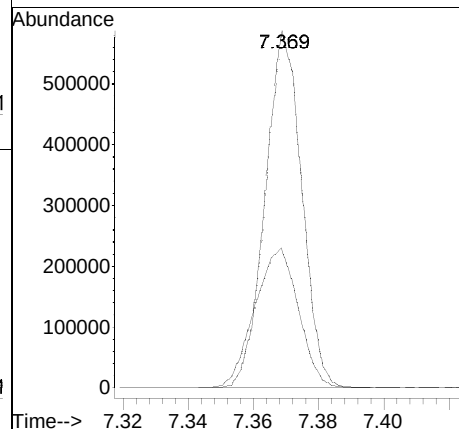
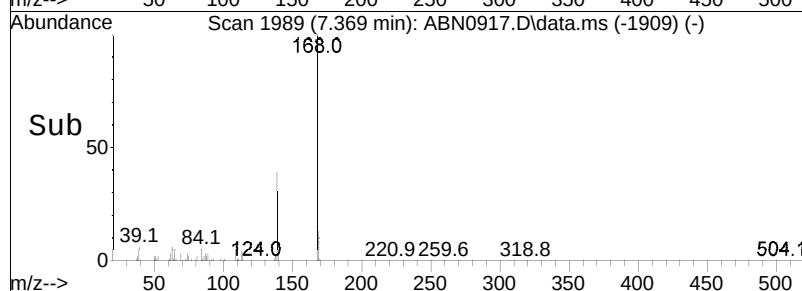
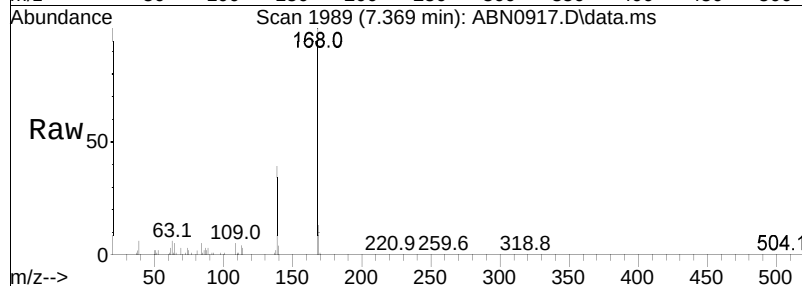
Tgt Ion:	184	Resp:	35986
Ion Ratio	Lower	Upper	
184	100		
107	39.5	37.7	56.5
91	37.0	46.3	69.5#

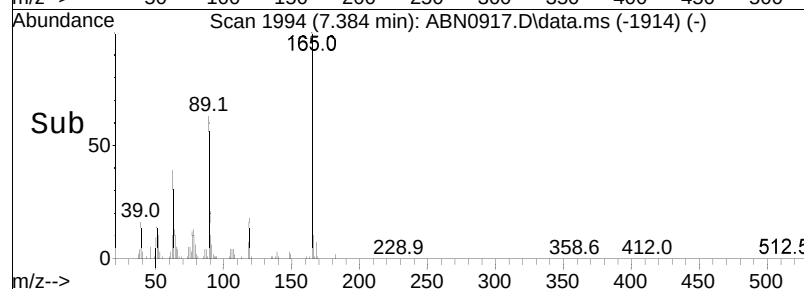
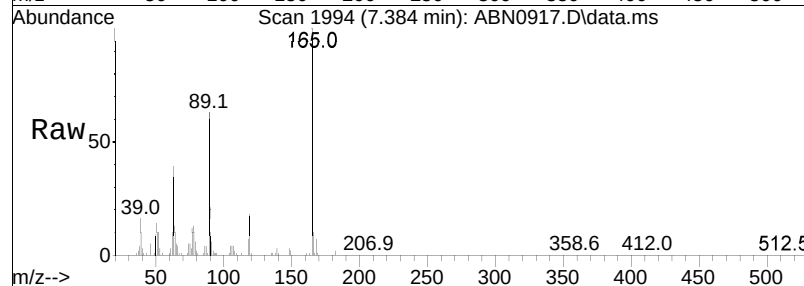
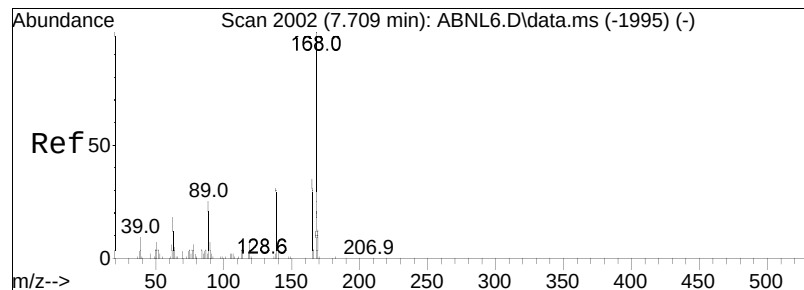




#69
Dibenzofuran
Concen: 4.74 ug/ml
RT: 7.369 min Scan# 1989
Delta R.T. 0.000 min
Lab File: ABN0917.D
Acq: 17 Sep 2025 10:42 am

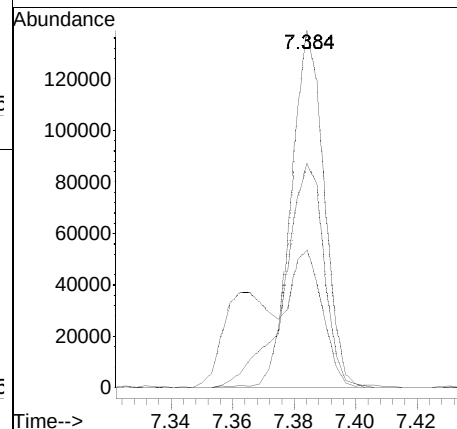
Tgt Ion	Ratio	Lower	Upper
168	100		
139	47.3	31.4	47.2#

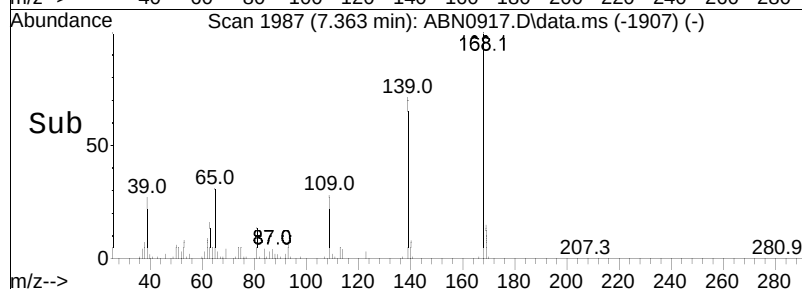
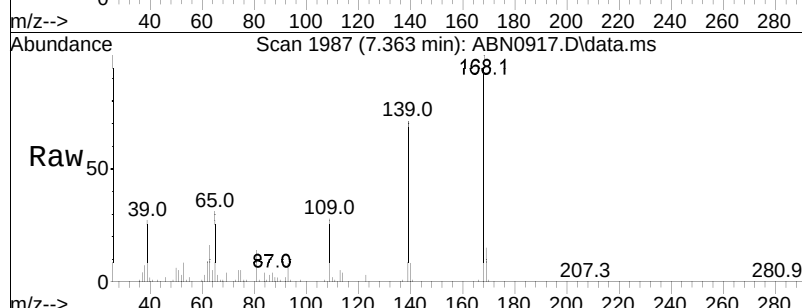
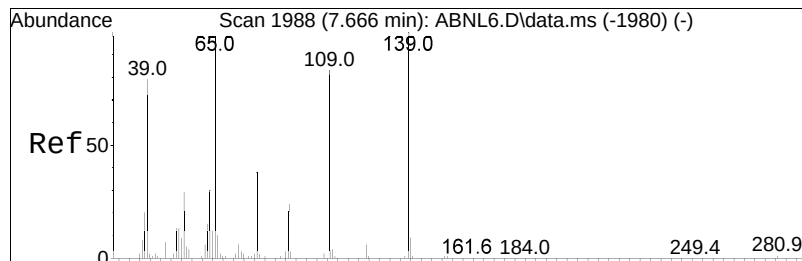




#70
 2,4-Dinitrotoluene
 Concen: 5.30 ug/ml
 RT: 7.384 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

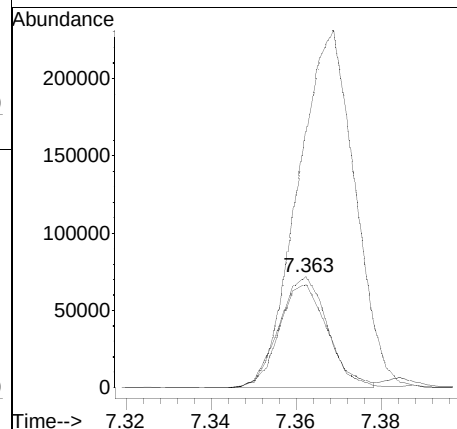
Tgt Ion	Ratio	Lower	Upper
165	100		
89	75.6	72.0	108.0
63	38.7	52.7	79.1#

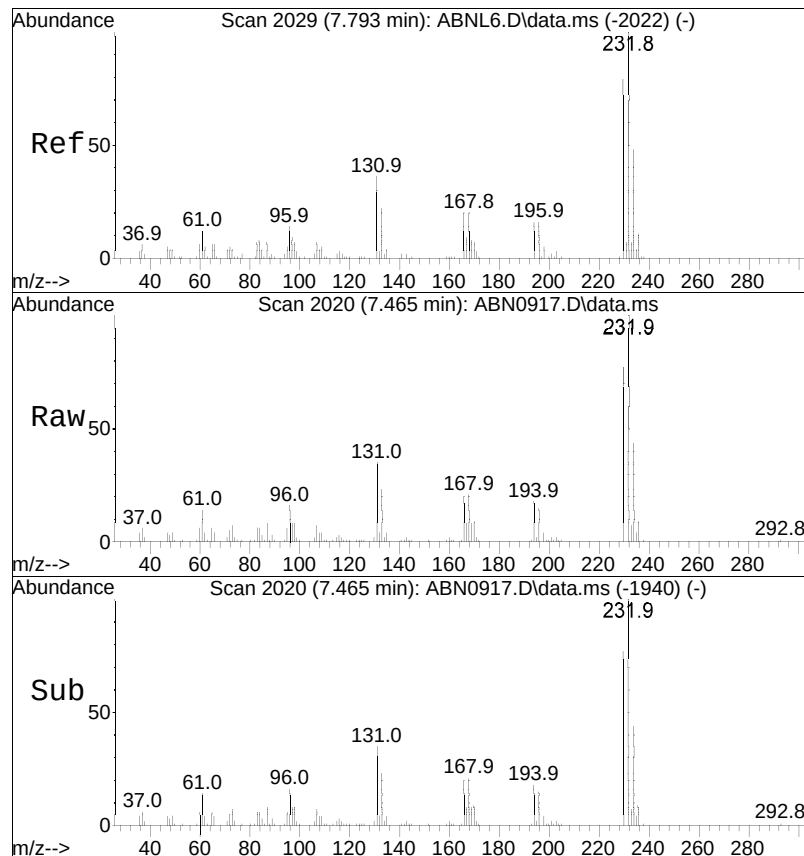




#71
 4-Nitrophenol
 Concen: 5.37 ug/ml
 RT: 7.363 min Scan# 1987
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

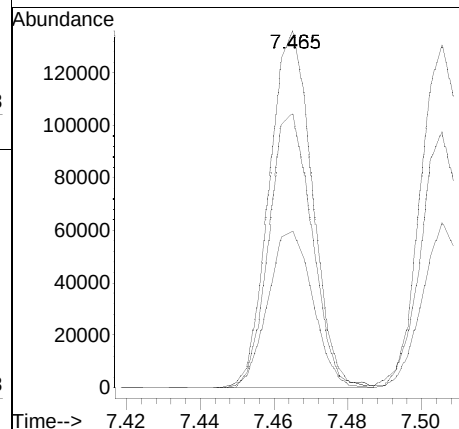
Tgt Ion:	65	Resp:	57490
Ion Ratio	100	Lower	Upper
65	100		
109	91.5	47.4	71.2#
139	371.6	76.6	115.0#

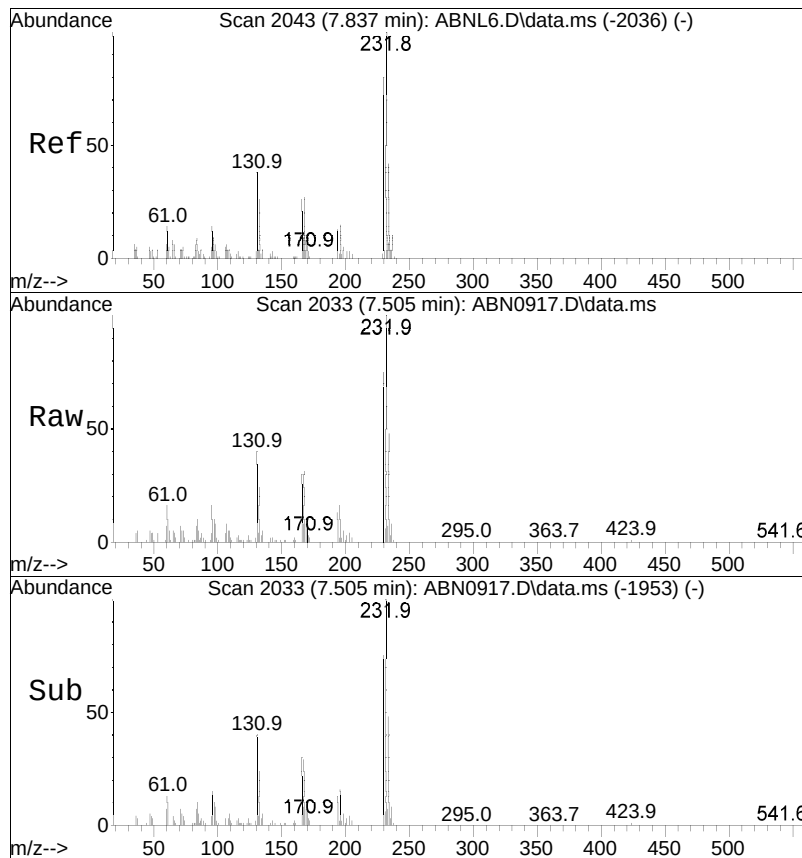




#72
 2,3,5,6-Tetrachlorophenol
 Concen: 5.68 ug/ml
 RT: 7.465 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

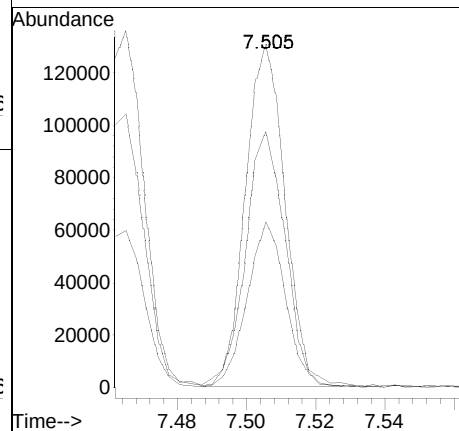
Tgt Ion:	232	Resp:	110476
Ion Ratio	Lower	Upper	
232	100		
230	76.6	64.2	96.4
234	45.9	38.1	57.1

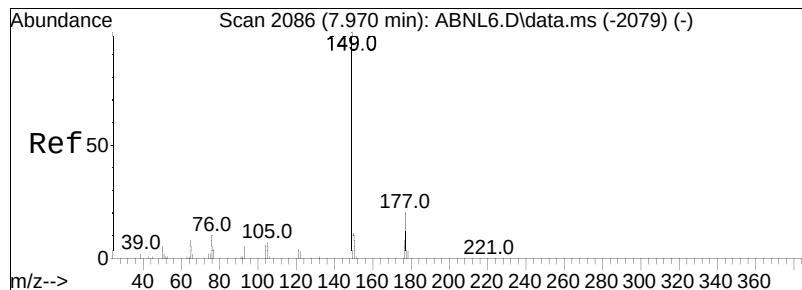




#73
 2,3,4,6-Tetrachlorophenol
 Concen: 5.14 ug/ml
 RT: 7.505 min Scan# 2033
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	104455		
230	73.9		61.8	92.8
234	47.1		36.2	54.2





#74

Diethyl phthalate

Concen: 4.98 ug/ml

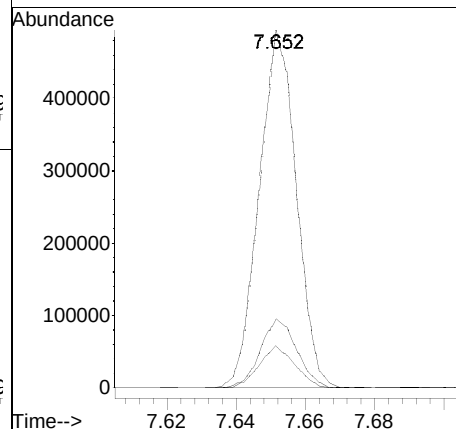
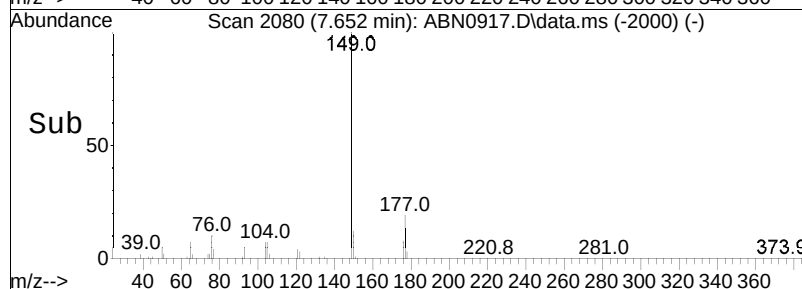
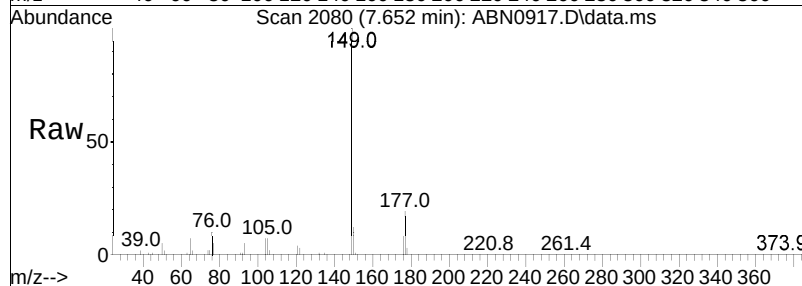
RT: 7.652 min Scan# 2080

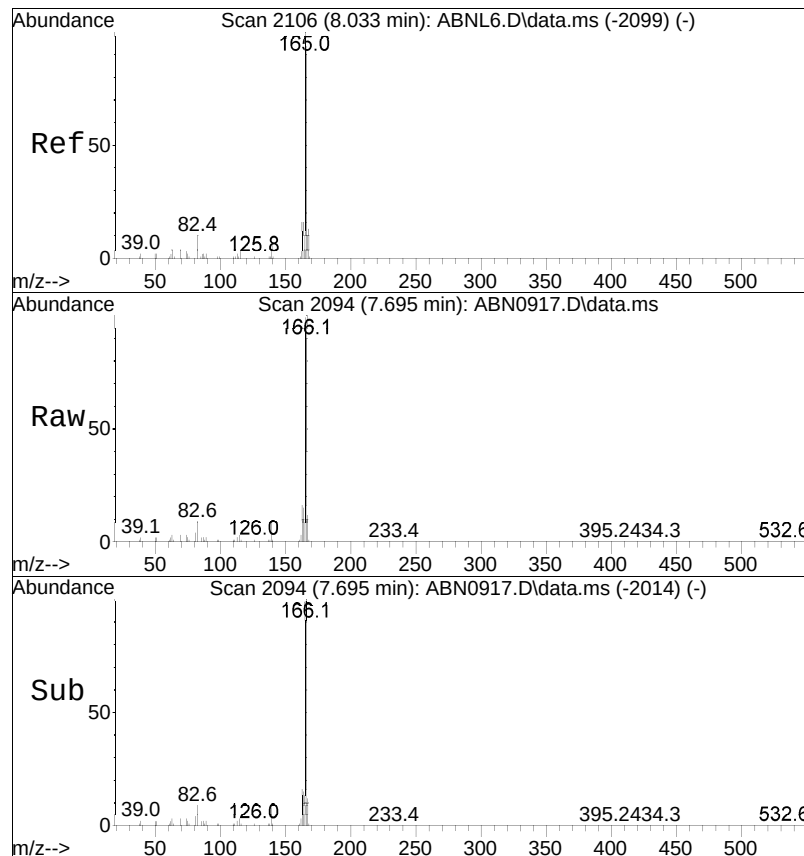
Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 10:42 am

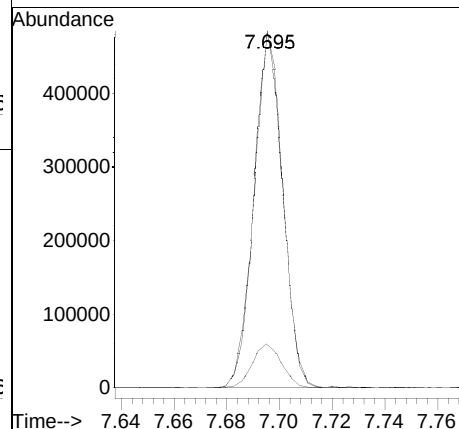
Tgt	Ion:149	Resp:	364848
Ion	Ratio	Lower	Upper
149	100		
177	19.1	16.1	24.1
150	11.5	9.4	14.2

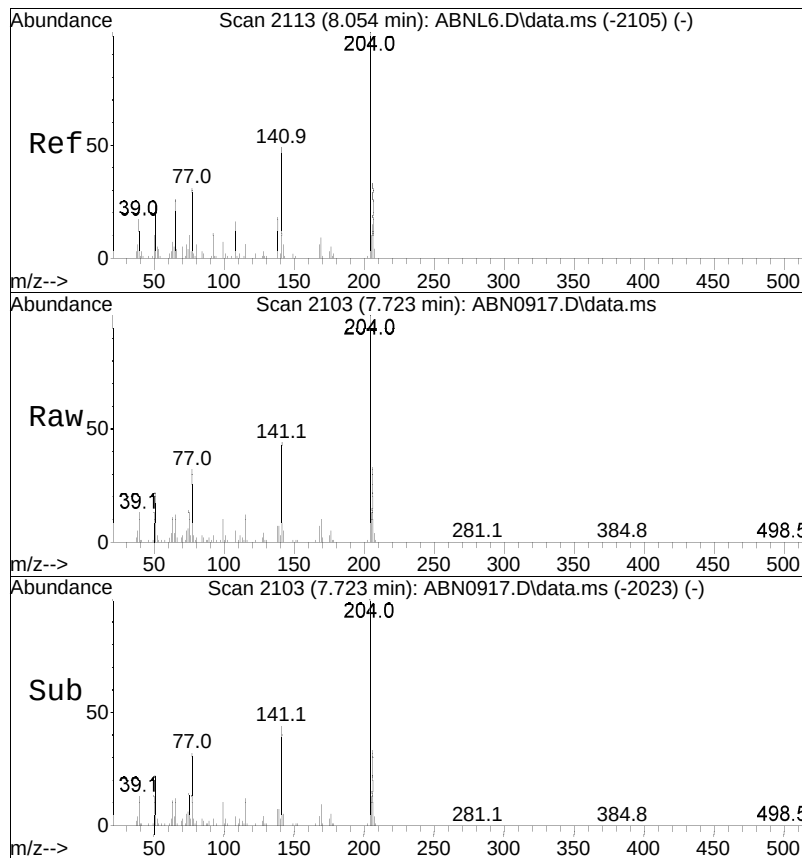




#75
 Fluorene
 Concen: 4.91 ug/ml
 RT: 7.695 min Scan# 2094
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

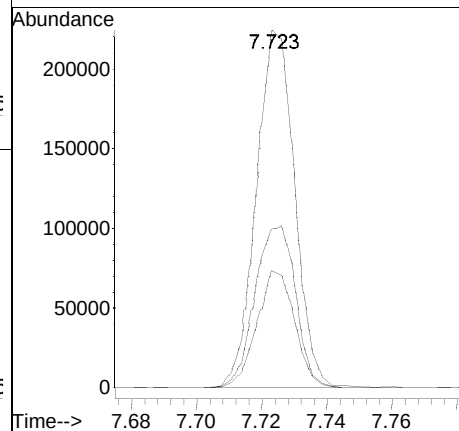
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	76.2	114.2
167	12.8	10.6	15.8

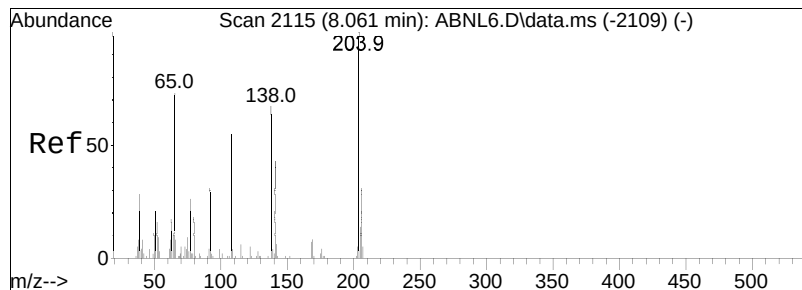




#76
 4-Chlorophenyl phenyl ether
 Concen: 4.56 ug/ml
 RT: 7.723 min Scan# 2103
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

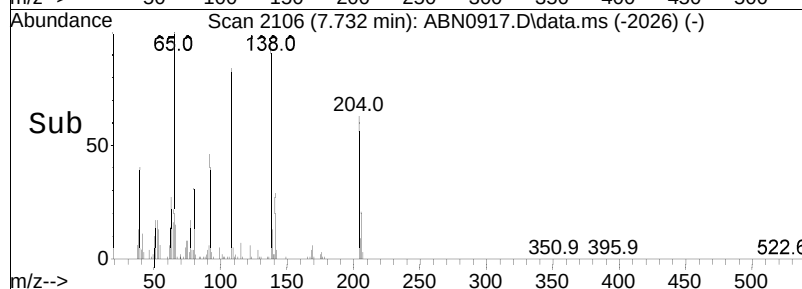
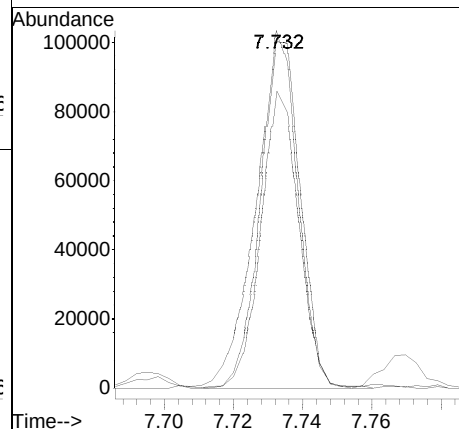
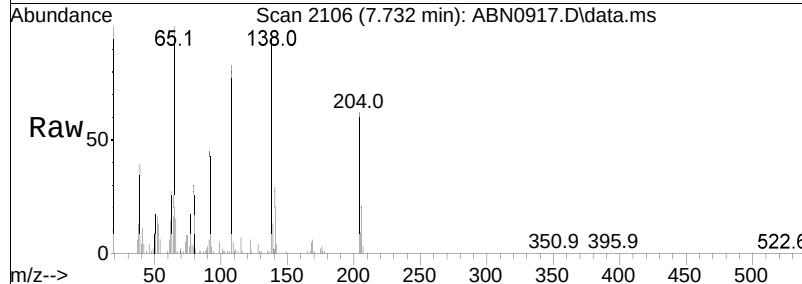
Tgt Ion:	204	Resp:	182333
Ion Ratio	Lower	Upper	
204	100		
206	32.3	25.8	38.6
141	47.9	53.6	80.4#

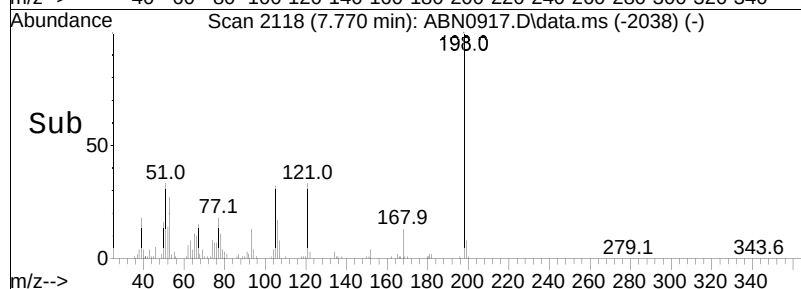
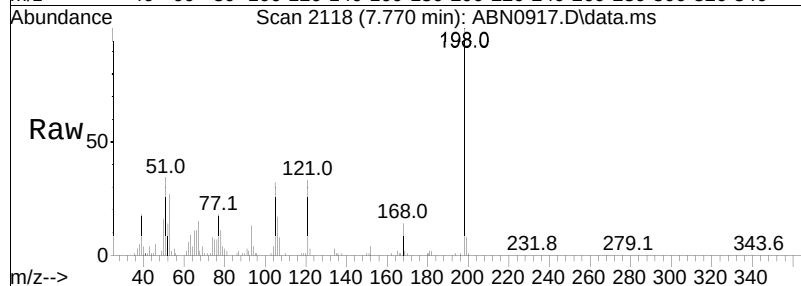
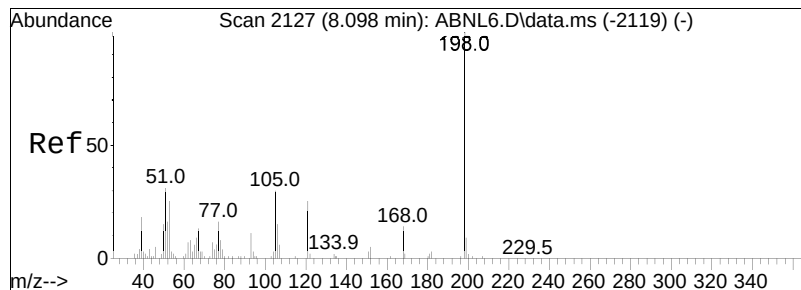




#77
 4-Nitroaniline
 Concen: 5.69 ug/ml
 RT: 7.732 min Scan# 2106
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

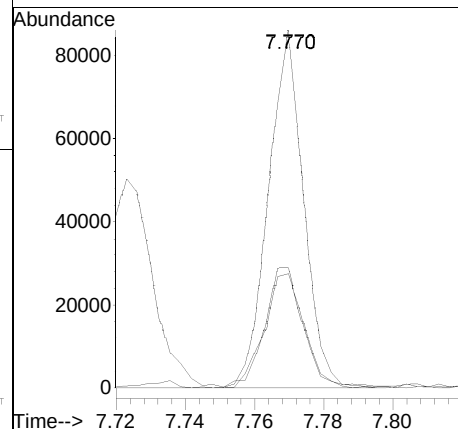
Tgt Ion	Ratio	Lower	Upper
138	100		
108	80.6	52.1	78.1#
65	106.6	115.0	172.6#

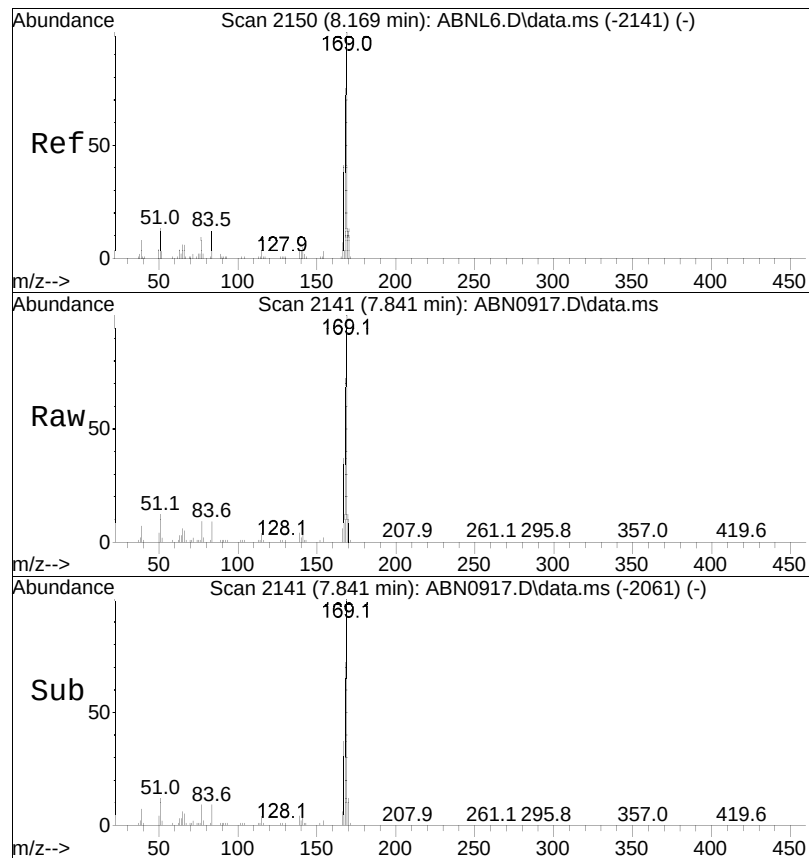




#78
 4,6-Dinitro-o-cresol
 Concen: 4.88 ug/ml
 RT: 7.770 min Scan# 2118
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

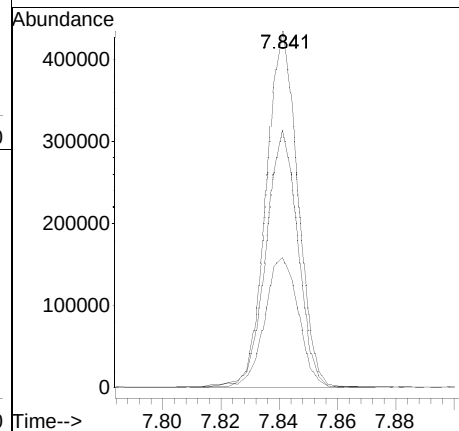
Tgt Ion	Ratio	Resp	Lower	Upper
198	100	60655		
51	36.5		76.0	114.0#
105	36.2		45.6	68.4#

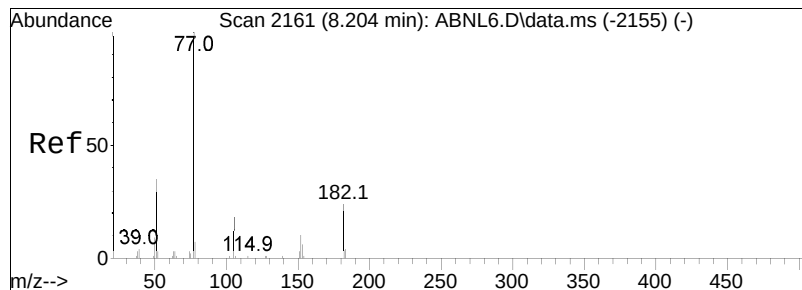




#79
 NDPA/DPA
 Concen: 5.08 ug/ml
 RT: 7.841 min Scan# 2141
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

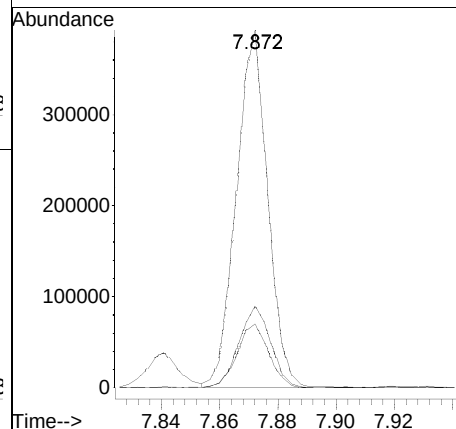
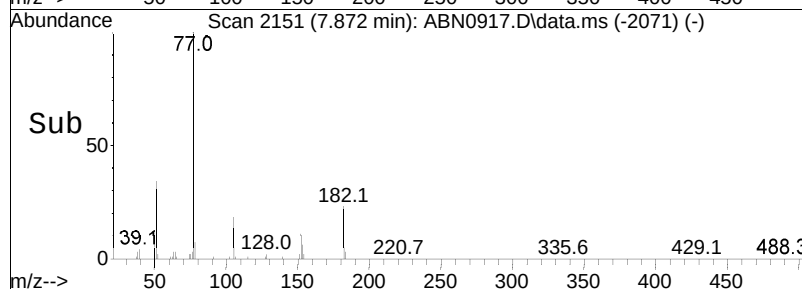
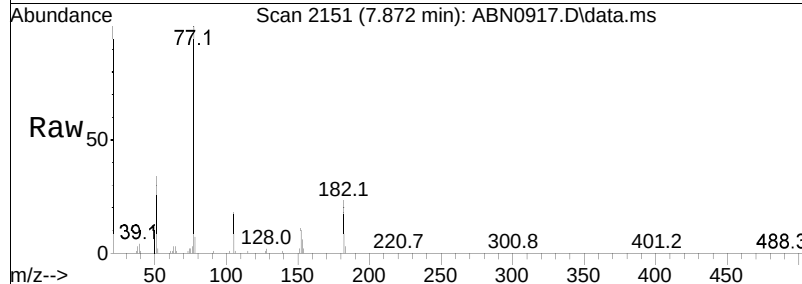
Tgt Ion:	169	Resp:	326642
Ion Ratio	Lower	Upper	
169	100		
168	73.2	54.0	81.0
167	39.6	28.6	42.8

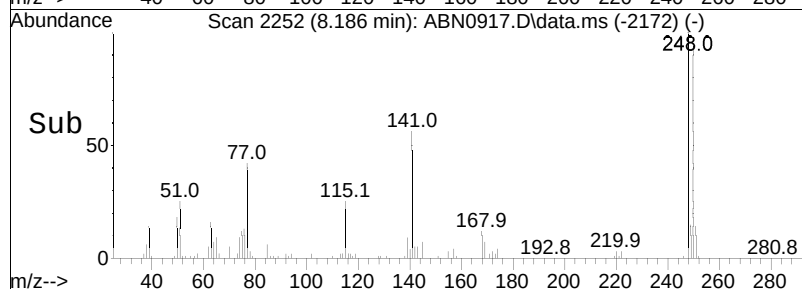
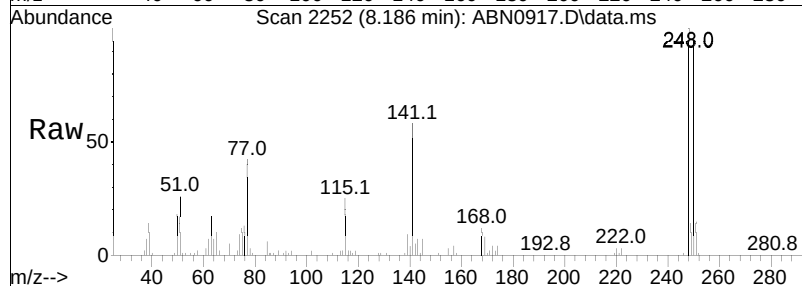
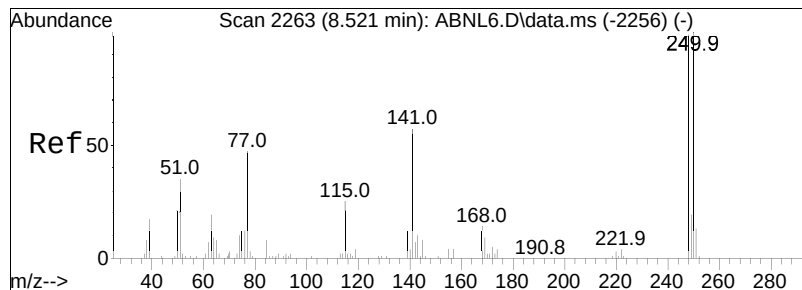




#80
 Azobenzene
 Concen: 4.78 ug/ml
 RT: 7.872 min Scan# 2151
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

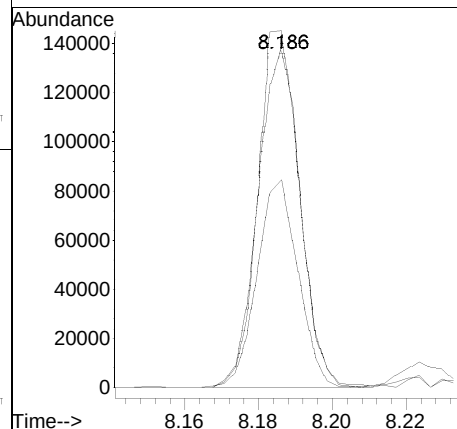
Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.3	17.4	26.2
105	18.1	15.4	23.2

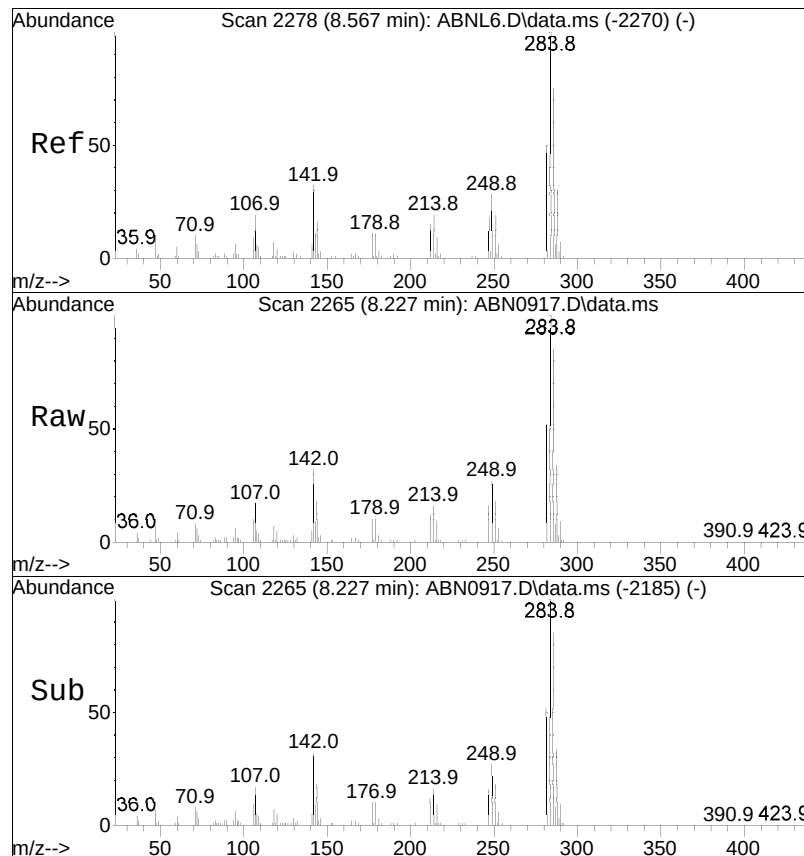




#82
 4-Bromophenyl phenyl ether
 Concen: 4.47 ug/ml
 RT: 8.186 min Scan# 2252
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

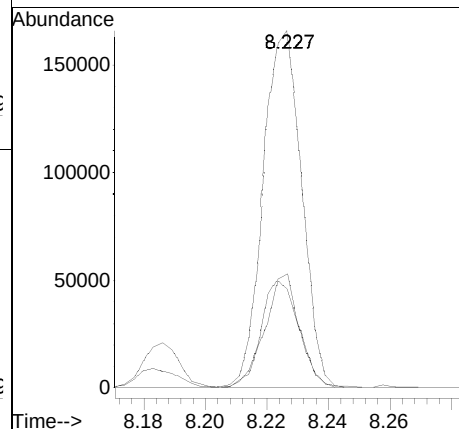
Tgt	Ion	Ratio	Resp	Lower	Upper
248	100		114693		
141	57.0	76.6	114.8#		
250	94.7	77.3	115.9		

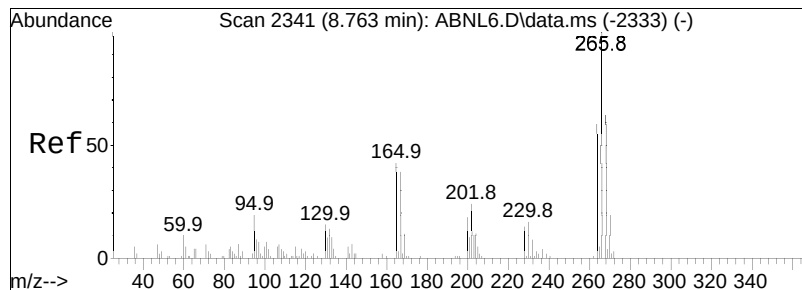




#83
 Hexachlorobenzene
 Concen: 4.86 ug/ml
 RT: 8.227 min Scan# 2265
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	143934		
142	30.8		41.9	62.9#
249	27.5		24.1	36.1





#84

Pentachlorophenol

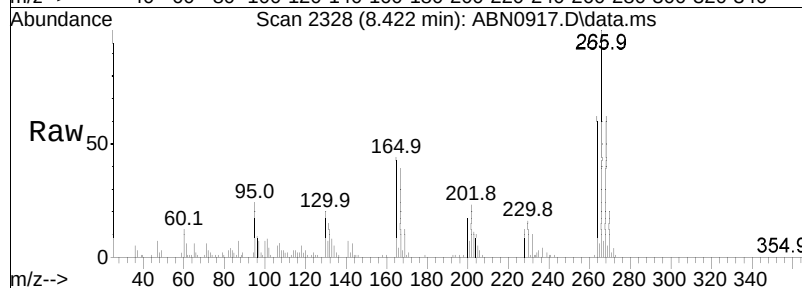
Concen: 5.51 ug/ml

RT: 8.422 min Scan# 2328

Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 10:42 am



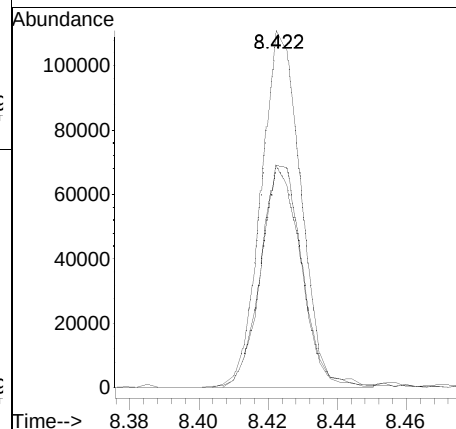
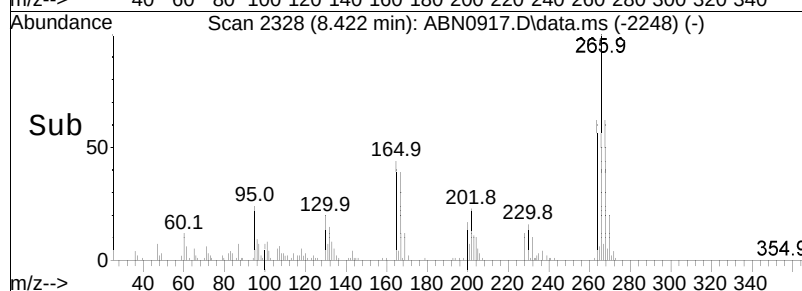
Tgt Ion: 266 Resp: 88803

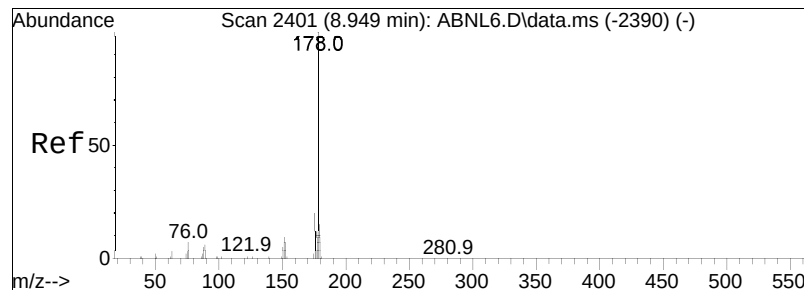
Ion Ratio Lower Upper

266 100

264 62.6 49.7 74.5

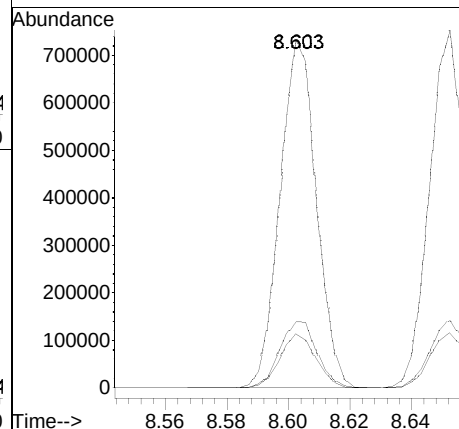
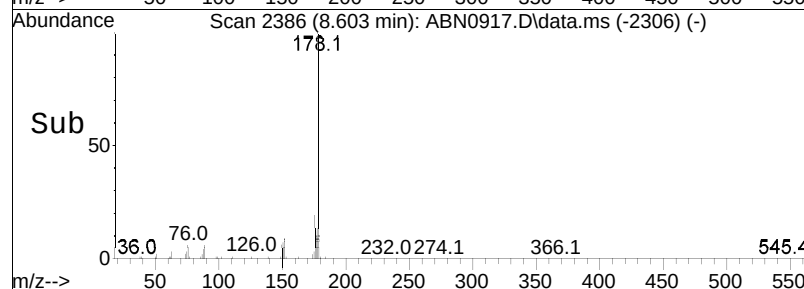
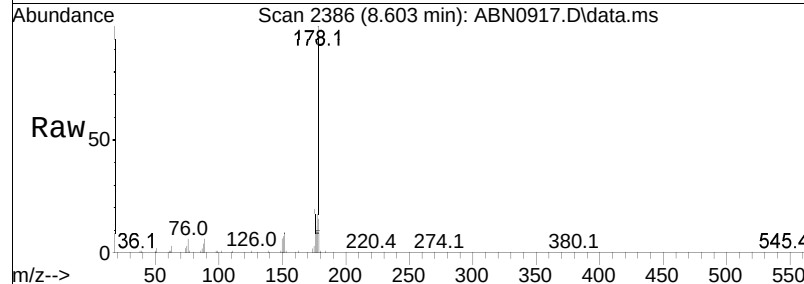
268 64.9 50.5 75.7

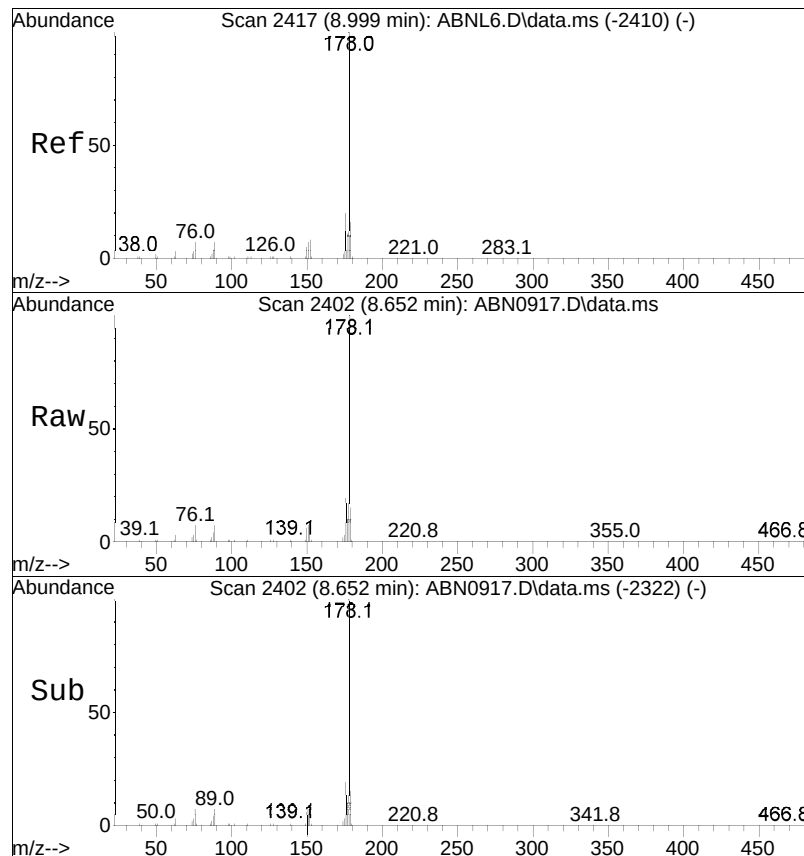




#91
 Phenanthrene
 Concen: 4.66 ug/ml
 RT: 8.603 min Scan# 2386
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

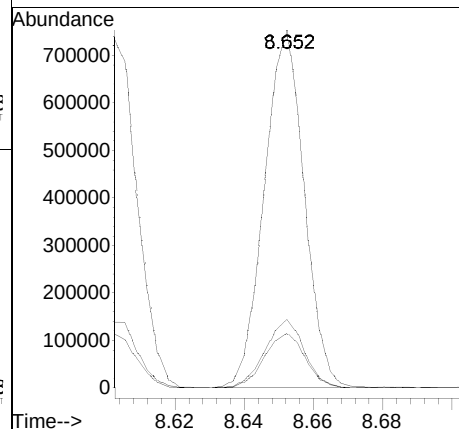
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	19.6	15.4	23.2

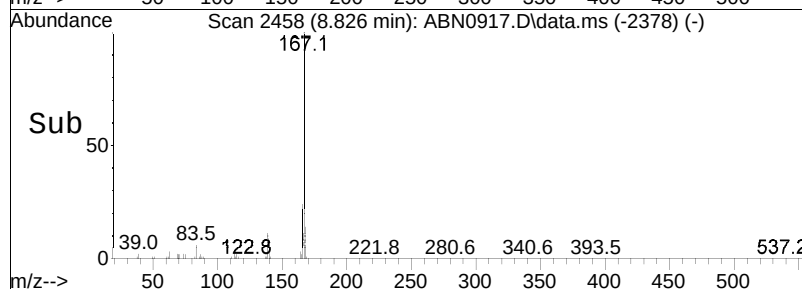
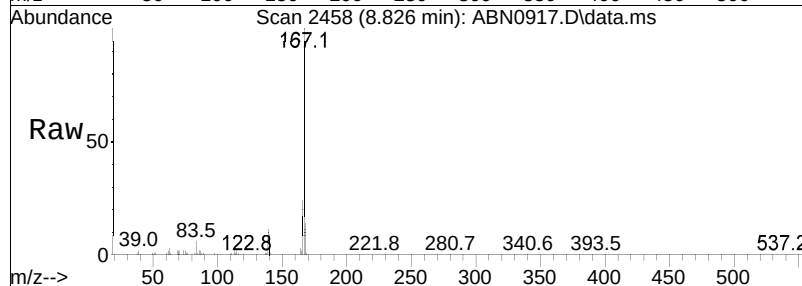
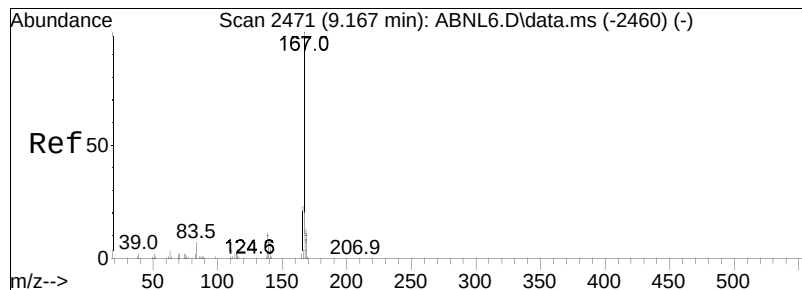




#92
 Anthracene
 Concen: 4.84 ug/ml
 RT: 8.652 min Scan# 2402
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.0	18.0
176	18.9	14.6	22.0





#93

Carbazole

Concen: 4.95 ug/ml

RT: 8.826 min Scan# 2458

Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 10:42 am

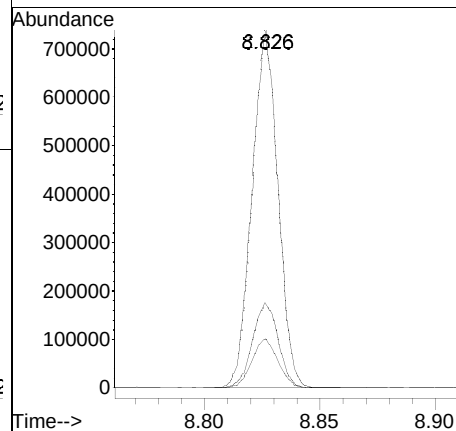
Tgt Ion:167 Resp: 571297

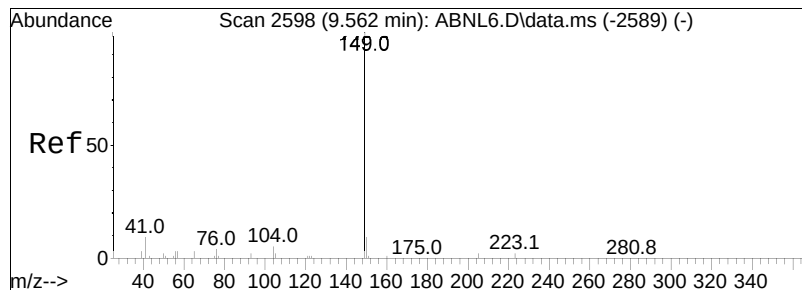
Ion Ratio Lower Upper

167 100

168 14.0 10.6 15.8

166 23.8 17.4 26.0





#94

Di-n-butylphthalate

Concen: 5.14 ug/ml

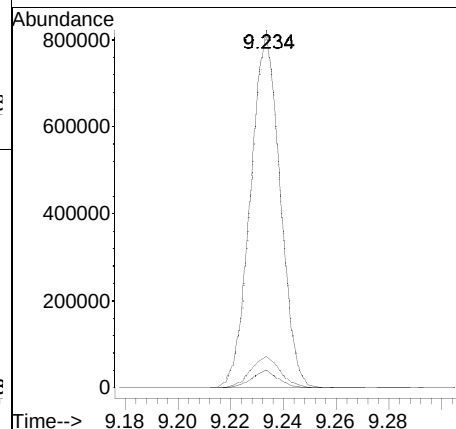
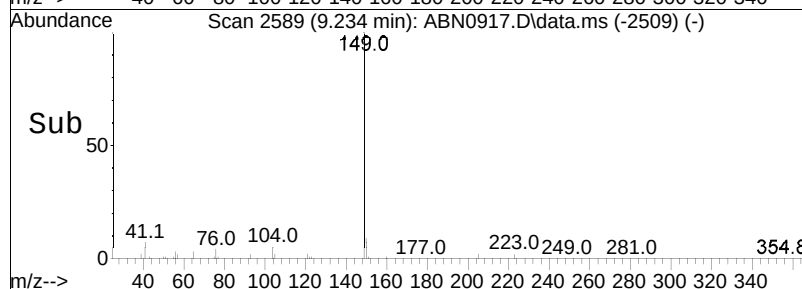
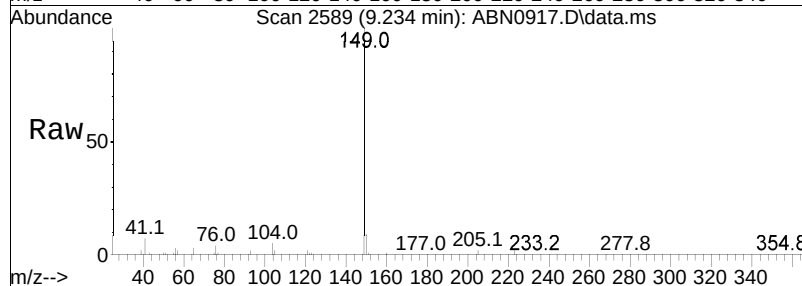
RT: 9.234 min Scan# 2589

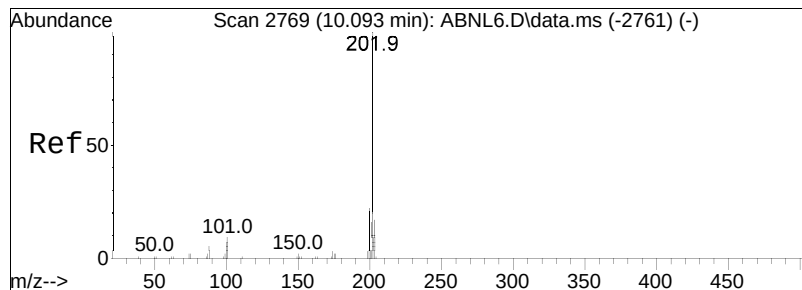
Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 10:42 am

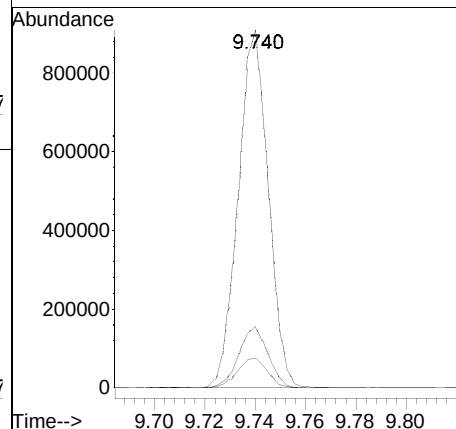
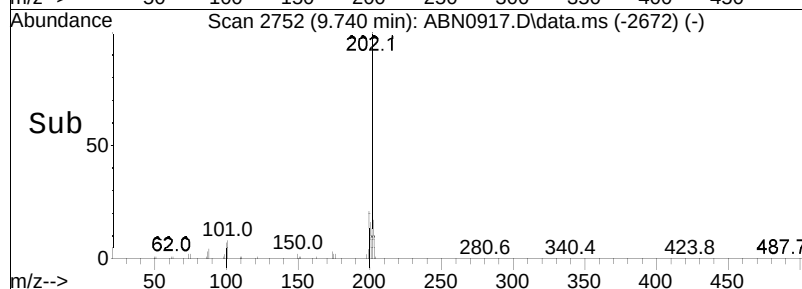
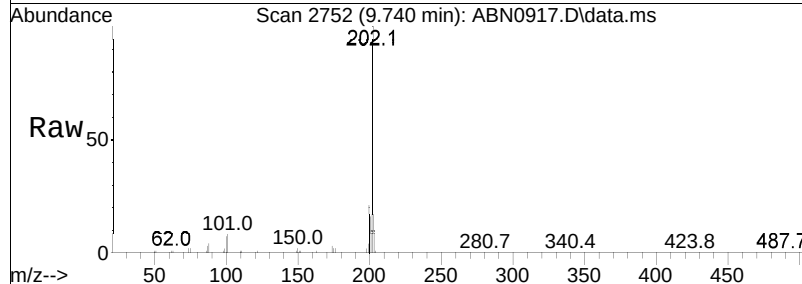
Tgt	Ion:149	Resp:	628353
Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.6	4.5	6.7

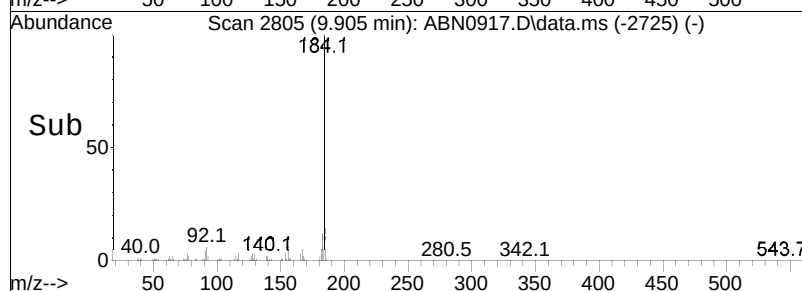
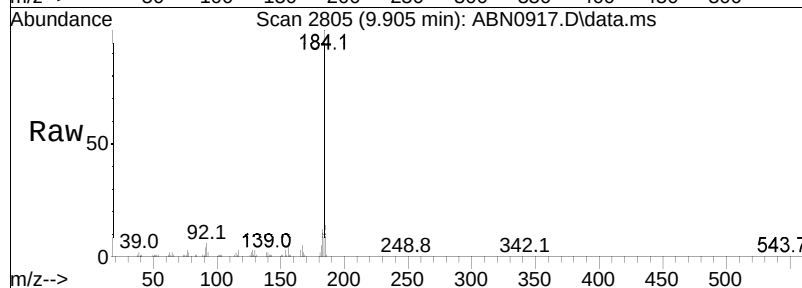
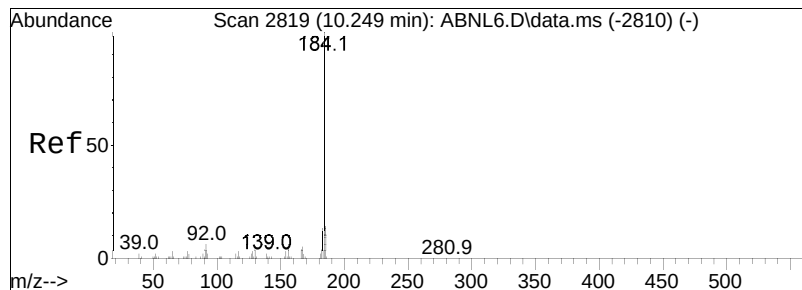




#95
 Fluoranthene
 Concen: 4.82 ug/ml
 RT: 9.740 min Scan# 2752
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

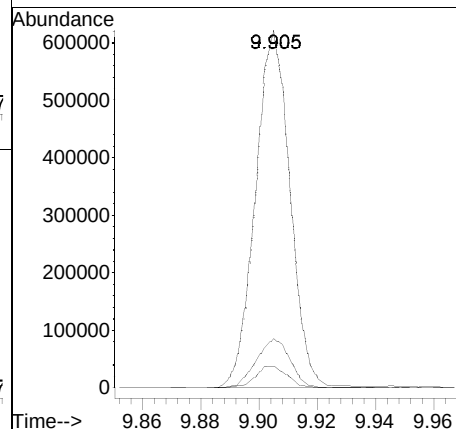
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	8.4	13.5	20.3#	
203	16.7	13.6	20.4	

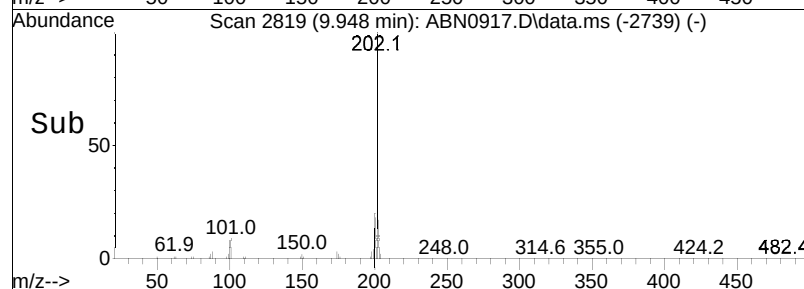
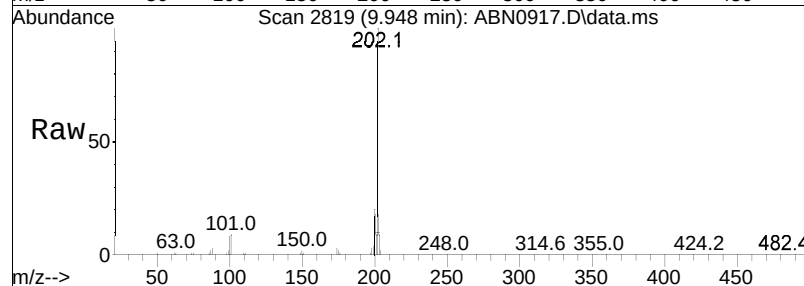
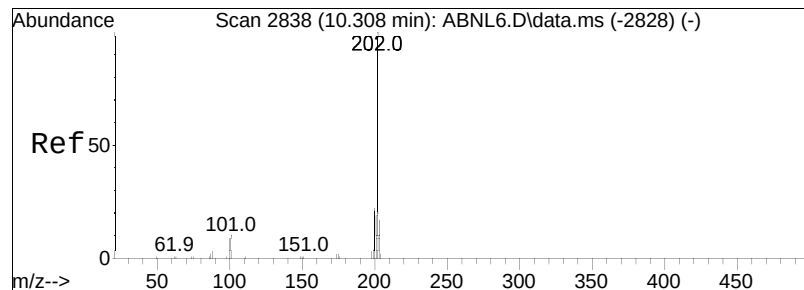




#96
Benzidine
Concen: 5.80 ug/ml
RT: 9.905 min Scan# 2805
Delta R.T. 0.000 min
Lab File: ABN0917.D
Acq: 17 Sep 2025 10:42 am

Tgt Ion	Ratio	Lower	Upper
184	100		
92	5.8	9.1	13.7#
185	13.7	11.1	16.7





#97

Pyrene

Concen: 4.75 ug/ml

RT: 9.948 min Scan# 2819

Delta R.T. 0.000 min

Lab File: ABN0917.D

Acq: 17 Sep 2025 10:42 am

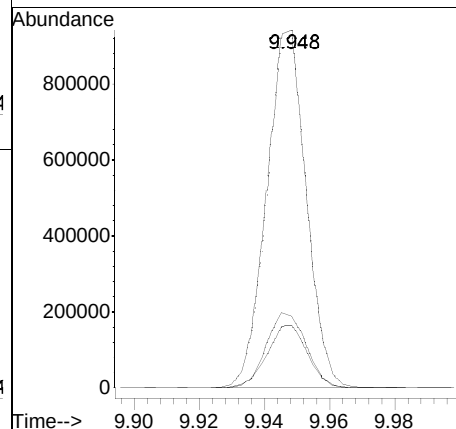
Tgt Ion:202 Resp: 787119

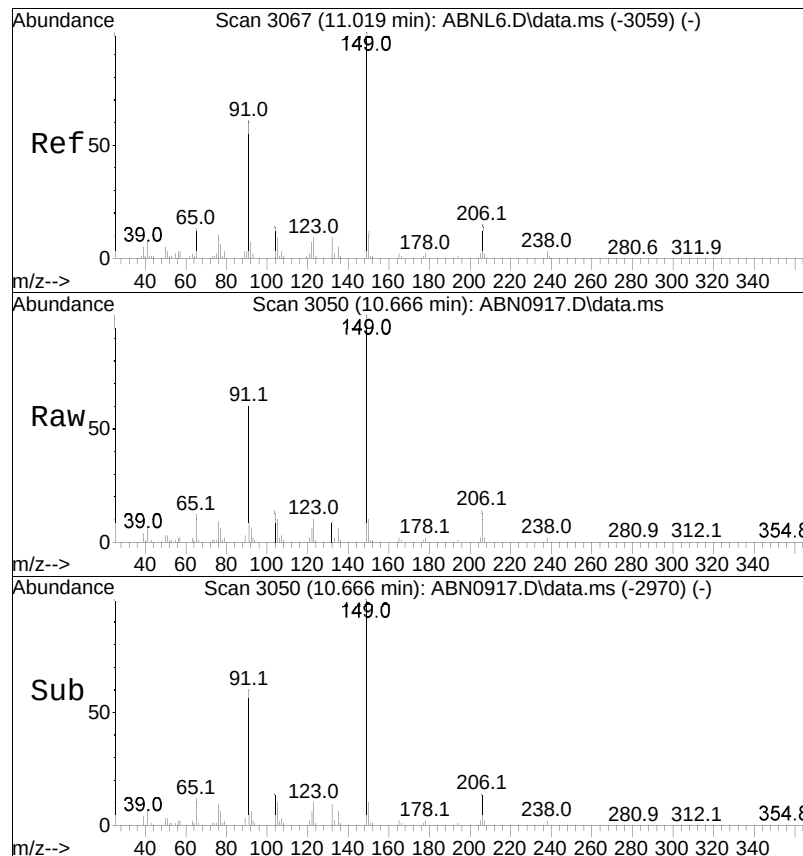
Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

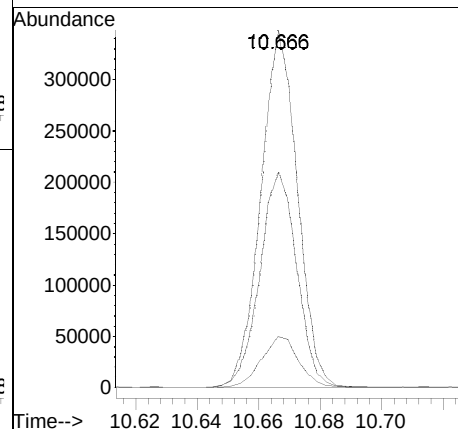
203 17.9 14.2 21.4

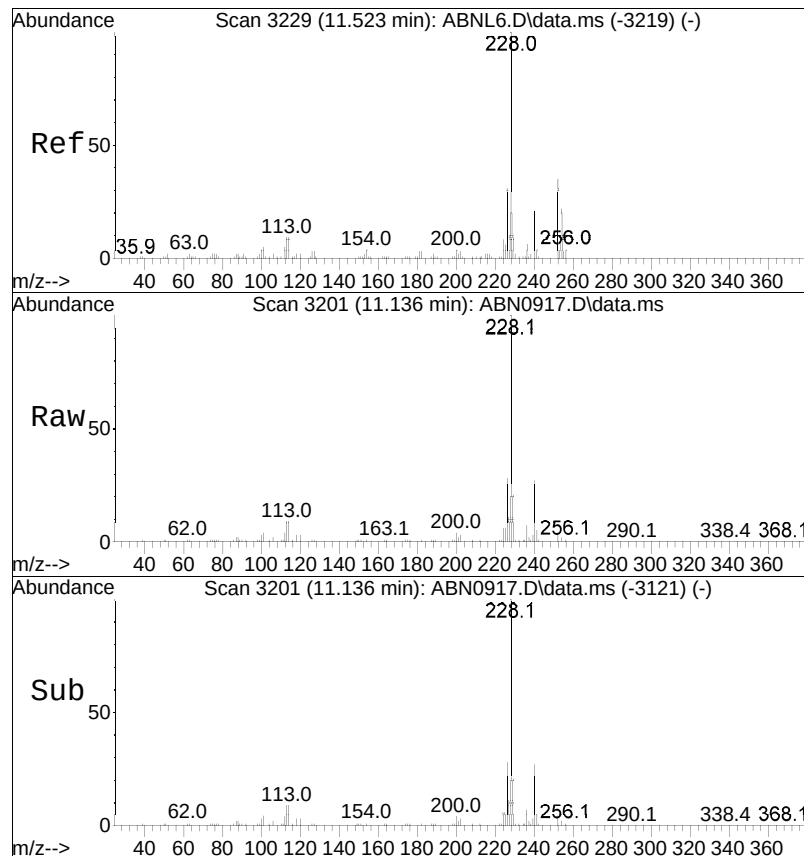




#99
 Butyl benzyl phthalate
 Concen: 5.25 ug/ml
 RT: 10.666 min Scan# 3050
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

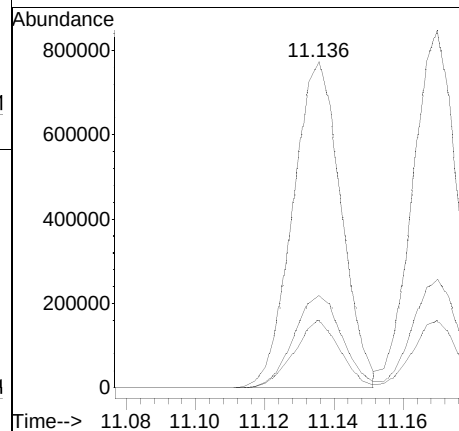
Tgt Ion:	149	Resp:	284324
Ion Ratio	Lower	Upper	
149	100		
91	61.2	63.3	94.9#
206	14.7	13.9	20.9

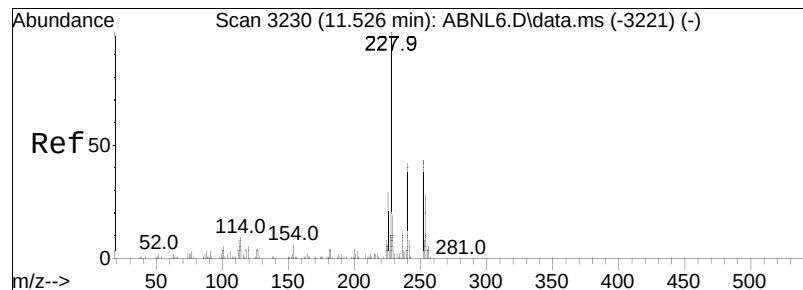




#107
 Benzo(a)anthracene
 Concen: 4.80 ug/ml
 RT: 11.136 min Scan# 3201
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

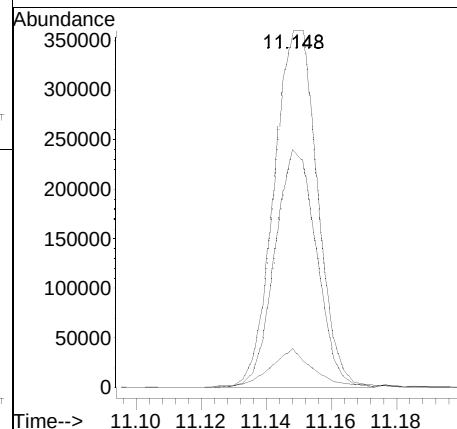
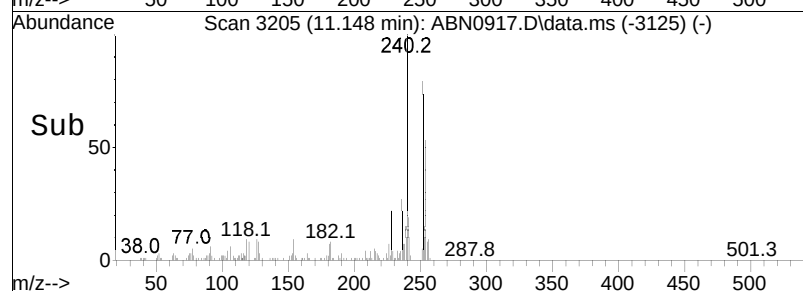
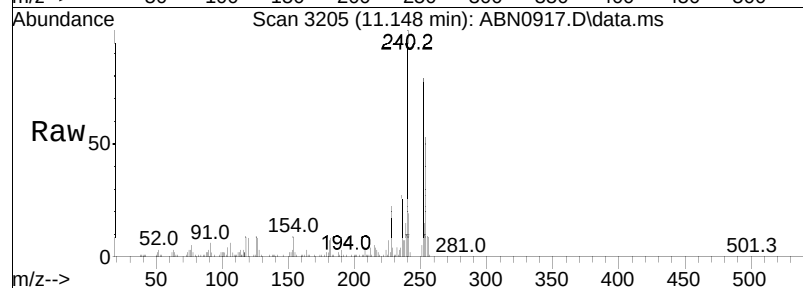
Tgt	Ion:228	Resp:	750425
Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.2	33.4
229	19.7	15.6	23.4

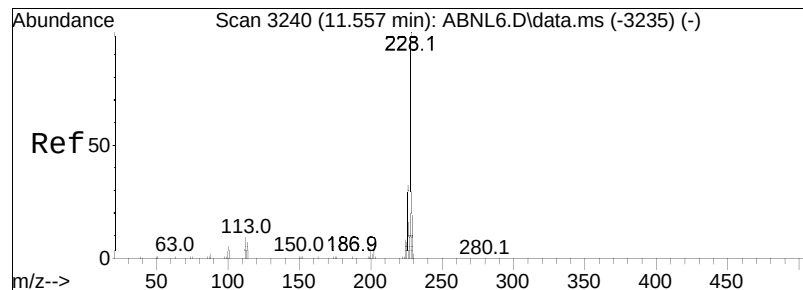




#108
 3,3'-Dichlorobenzidine
 Concen: 5.91 ug/ml
 RT: 11.148 min Scan# 3205
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

Tgt Ion	Ratio	Lower	Upper
252	100		
126	11.1	14.5	21.7#
254	64.1	51.2	76.8





#109

Chrysene

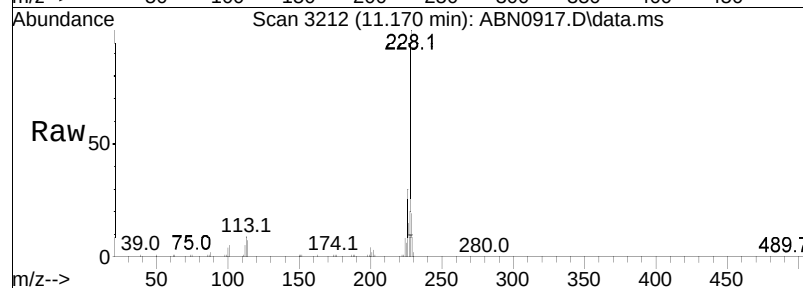
Concen: 4.81 ug/ml

RT: 11.170 min Scan# 3212

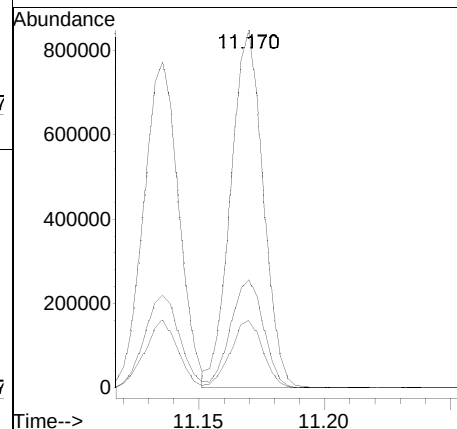
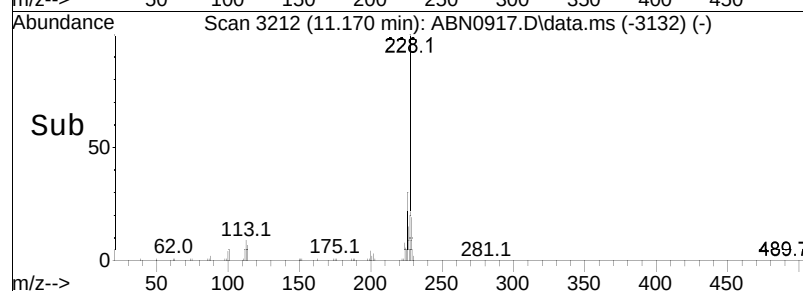
Delta R.T. 0.000 min

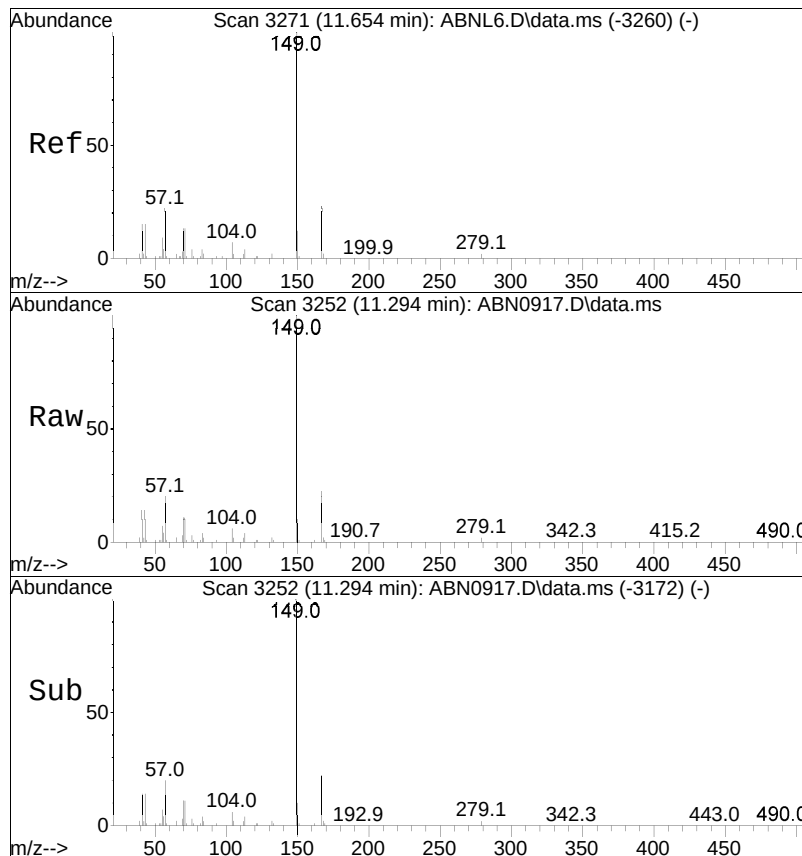
Lab File: ABN0917.D

Acq: 17 Sep 2025 10:42 am



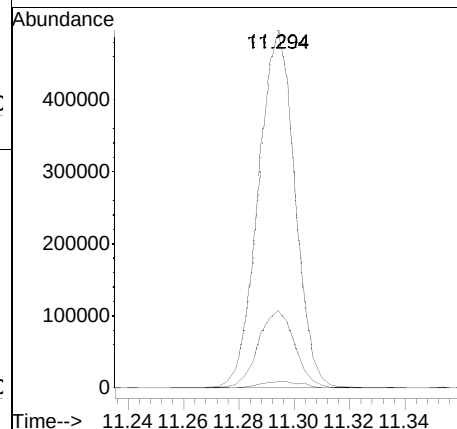
Tgt Ion:	228	Resp:	764432
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.0	36.0
229	18.8	15.8	23.8

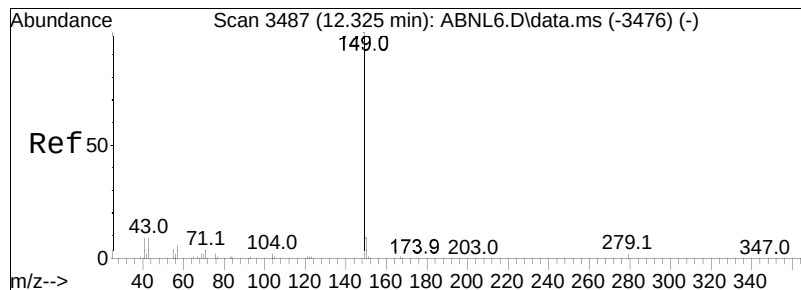




#110
 Bis(2-ethylhexyl)phthalate
 Concen: 6.04 ug/ml
 RT: 11.294 min Scan# 3252
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

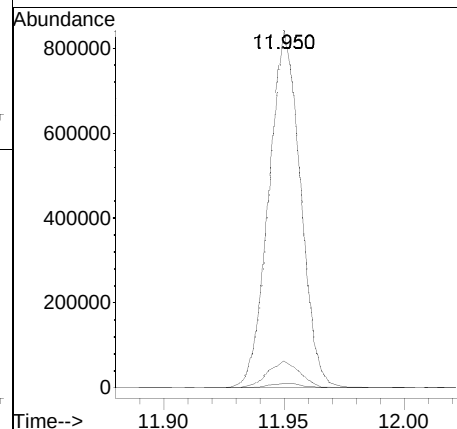
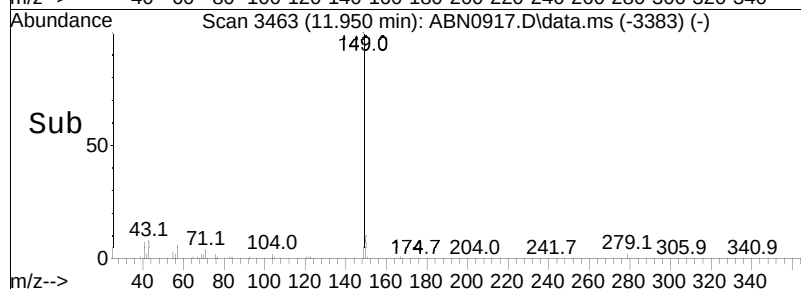
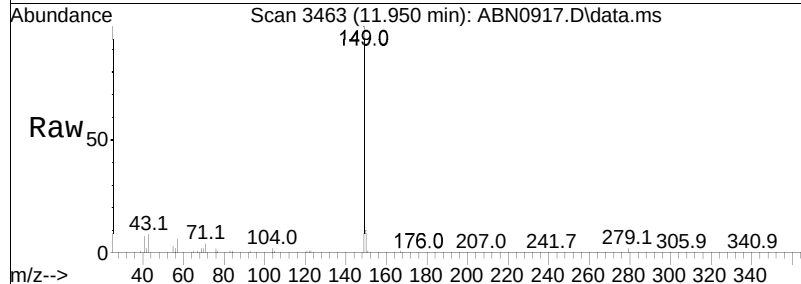
Tgt Ion:	149	Resp:	450117
Ion Ratio	Lower	Upper	
149	100		
167	21.8	22.1	33.1#
279	2.0	3.0	4.4#

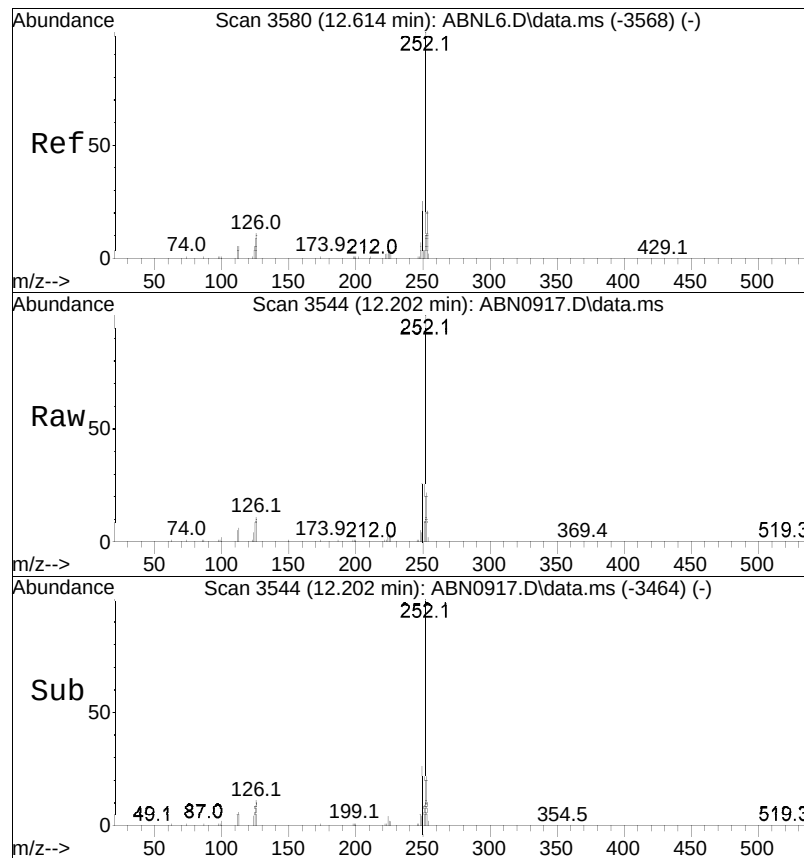




#111
 Di-n-octylphthalate
 Concen: 5.77 ug/ml
 RT: 11.950 min Scan# 3463
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

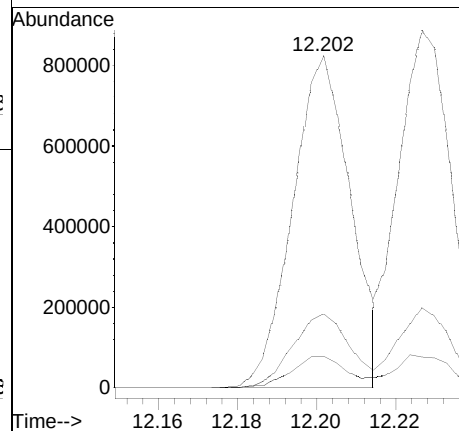
Tgt Ion	Ratio	Lower	Upper
149	100		
43	7.8	18.8	28.2#
167	1.3	1.3	1.9#

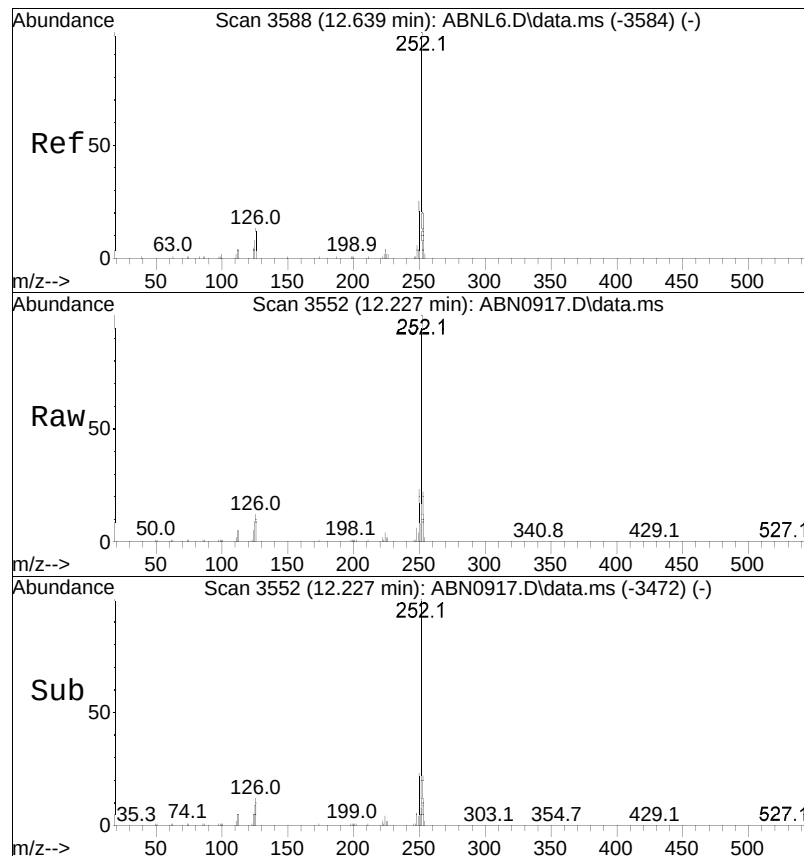




#112
 Benzo(b)fluoranthene
 Concen: 5.33 ug/ml
 RT: 12.202 min Scan# 3544
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

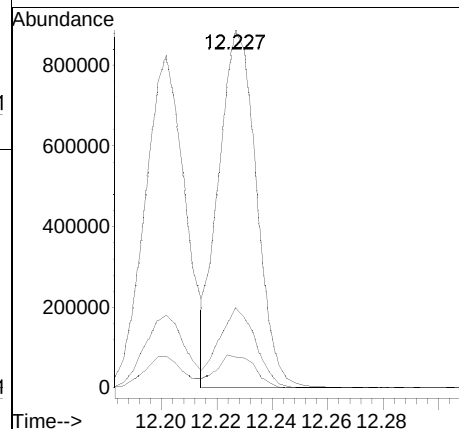
Tgt Ion	Ratio	Lower	Upper
252	100		
125	8.9	13.3	19.9#
253	22.2	17.1	25.7

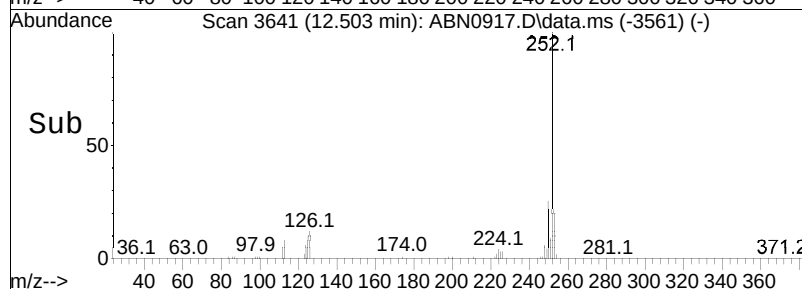
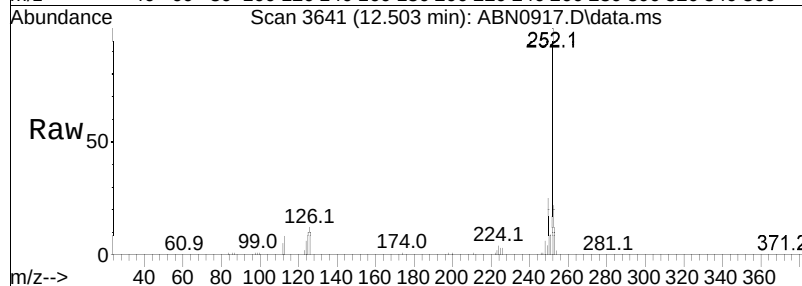
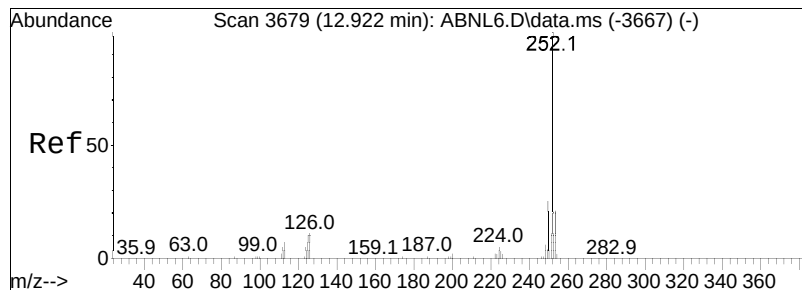




#113
 Benzo(k)fluoranthene
 Concen: 5.33 ug/ml
 RT: 12.227 min Scan# 3552
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

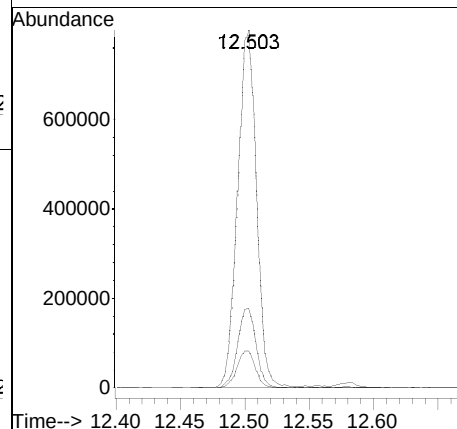
Tgt Ion	Ratio	Lower	Upper
252	100		
125	9.1	13.0	19.6#
253	21.9	16.8	25.2

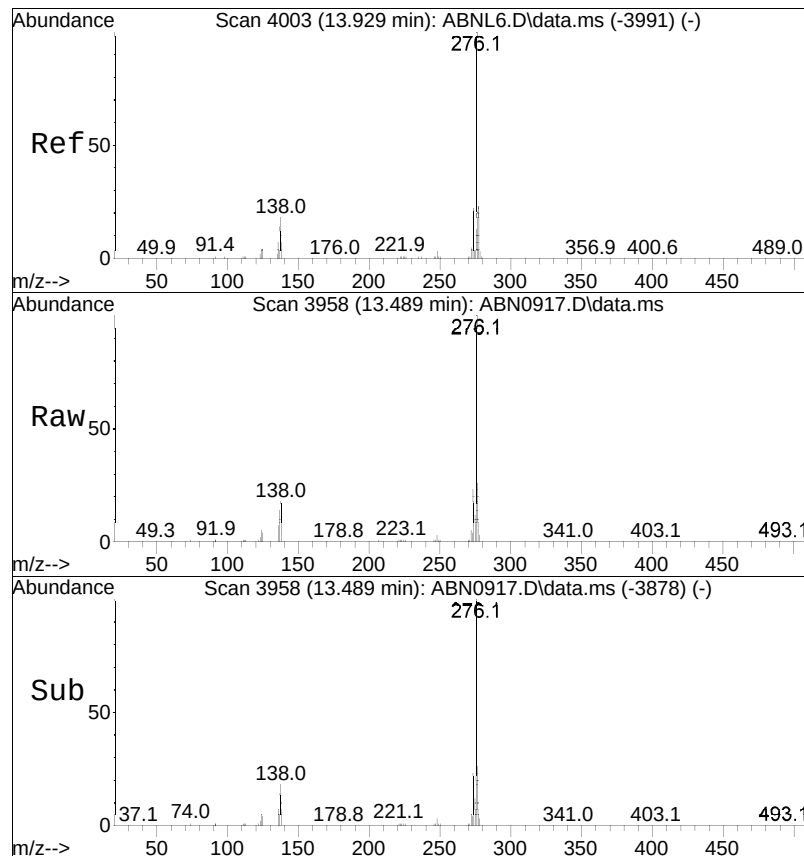




#114
Benzo(a)pyrene
Concen: 5.72 ug/ml M2
RT: 12.503 min Scan# 3641
Delta R.T. 0.000 min
Lab File: ABN0917.D
Acq: 17 Sep 2025 10:42 am

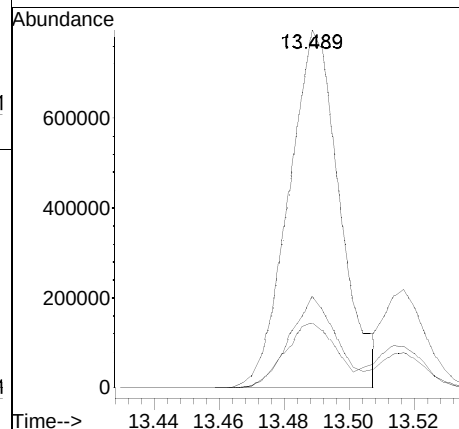
Tgt	Ion	Ratio	Lower	Upper
252	100			
125	0.3	14.2	21.2#	
253	0.4	16.9	25.3#	

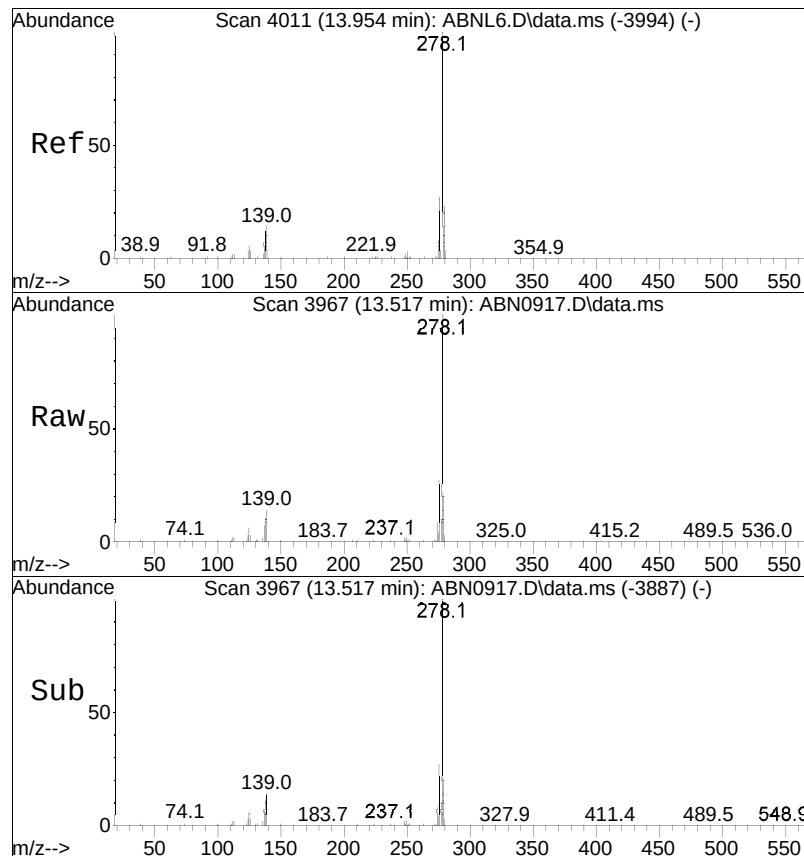




#116
 Indeno(1,2,3-cd)pyrene
 Concen: 5.09 ug/mL
 RT: 13.489 min Scan# 3958
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

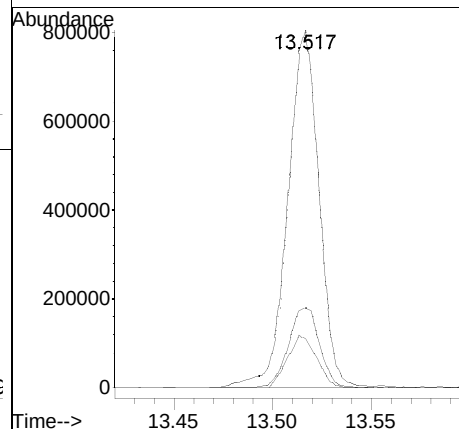
Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.3	25.1	37.7#
277	23.9	18.6	28.0

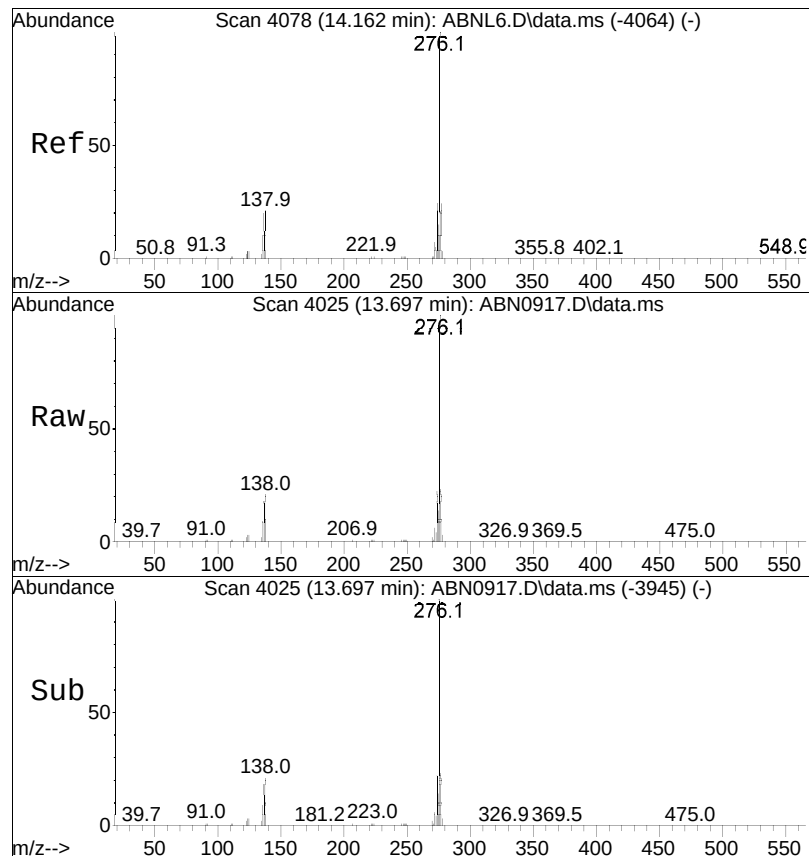




#117
 Dibenzo(a,h)anthracene
 Concen: 5.12 ug/ml
 RT: 13.517 min Scan# 3967
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

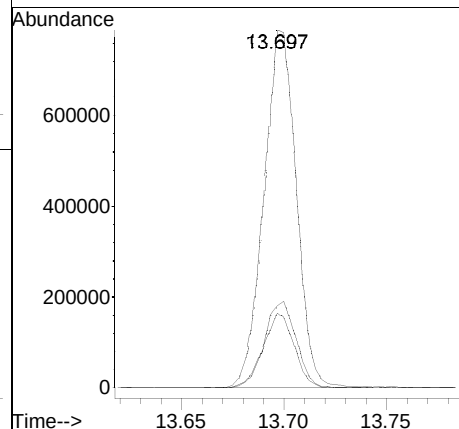
Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.0	20.8	31.2#
279	22.6	18.3	27.5





#118
 Benzo(ghi)perylene
 Concen: 4.98 ug/ml
 RT: 13.697 min Scan# 4025
 Delta R.T. 0.000 min
 Lab File: ABN0917.D
 Acq: 17 Sep 2025 10:42 am

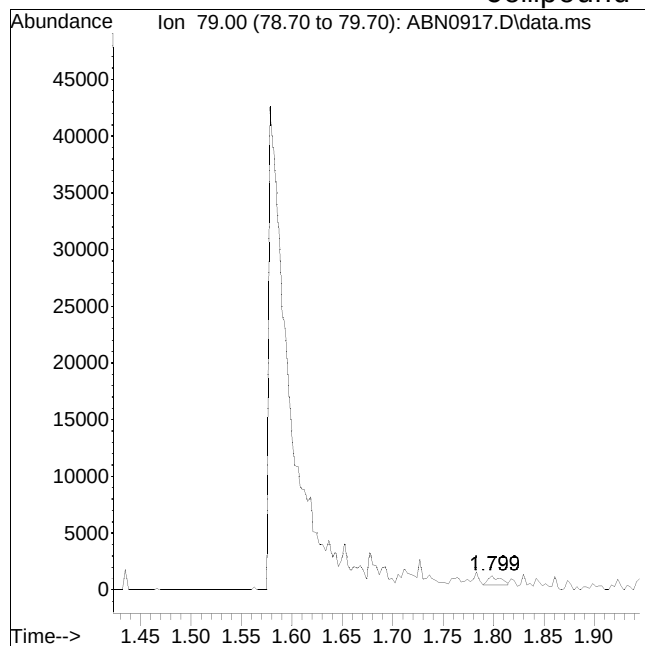
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	29.2	43.8#
277	23.9	18.8	28.2



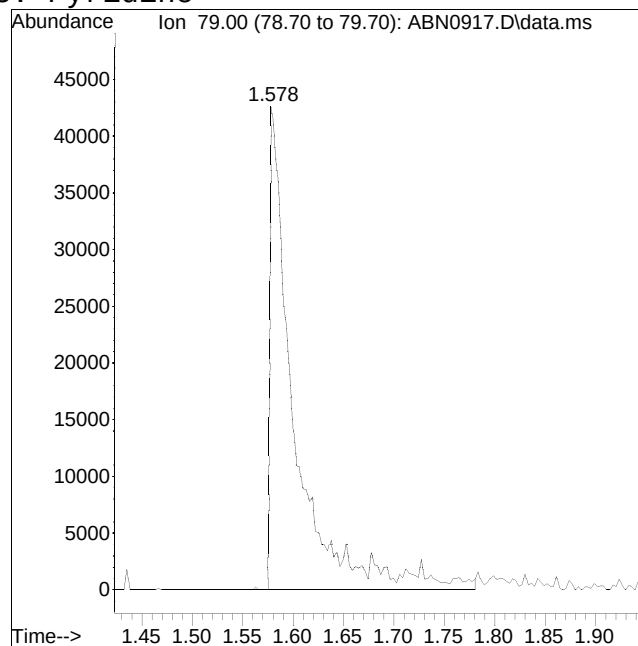
Manual Integration Report

Data Path : I:\8270\Dakota\250917RVT\ QMethod : FS250821RVT_Dakota.m
Data File : ABN0917.D Operator : Dakota:smz
Date Inj'd : 9/17/2025 10:42 am Instrument : Dakota
Sample : wg2116041-3,32,,ABN 11979 Qug0000Ate : 9/17/2025 11:16 am

Compound #3: Pyridine



Original Peak Response = 685



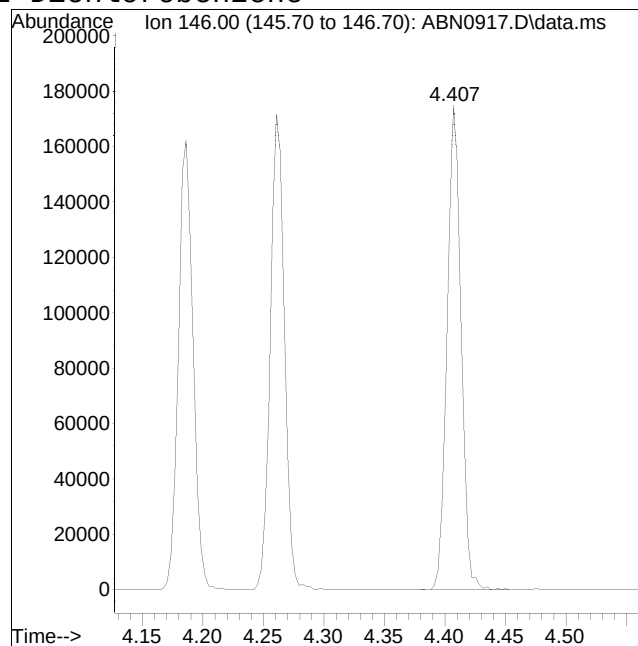
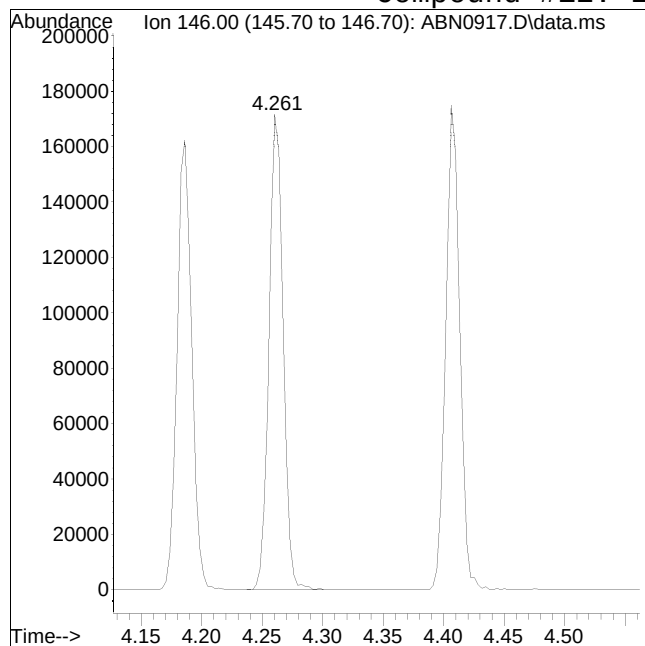
Manual Peak Response = 70940 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\250917RVT\ QMethod : FS250821RVT_Dakota.m
Data File : ABN0917.D Operator : Dakota:smz
Date Inj'd : 9/17/2025 10:42 am Instrument : Dakota
Sample : wg2116041-3,32,,ABN 11979 Aug0900 Date : 9/17/2025 11:16 am

Compound #12: 1,2-Dichlorobenzene



Original Peak Response = 139522

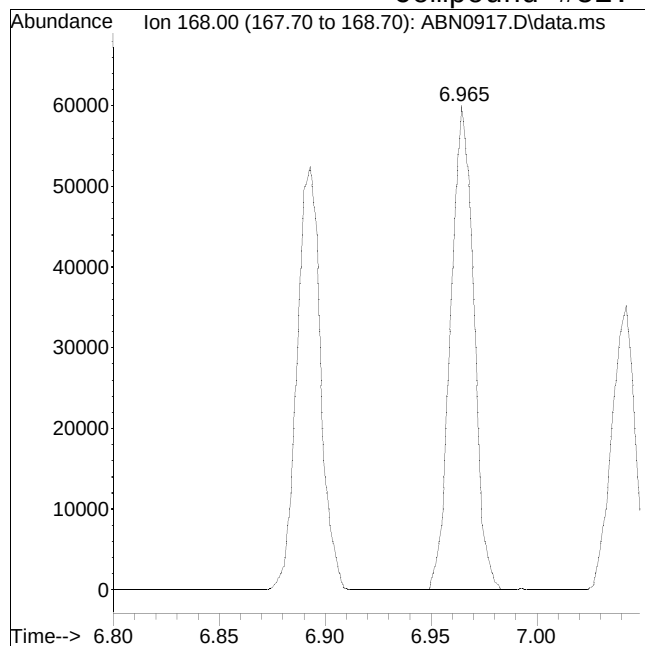
Manual Peak Response = 140882 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

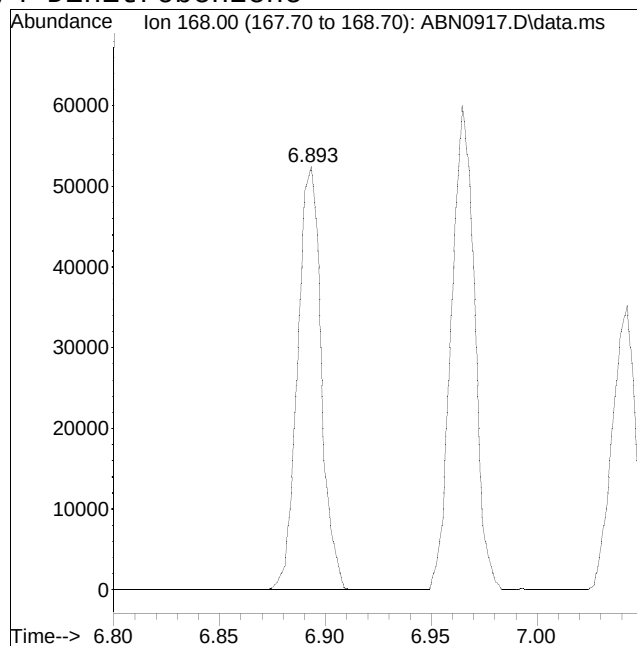
Data Path : I:\8270\Dakota\250917RVT\ QMethod : FS250821RVT_Dakota.m
Data File : ABN0917.D Operator : Dakota:smz
Date Inj'd : 9/17/2025 10:42 am Instrument : Dakota
Sample : wg2116041-3,32,,ABN 11979 Qug0000Ate : 9/17/2025 11:16 am

Compound #51: 1,4-Dinitrobenzene



Original Peak Response = 45748

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

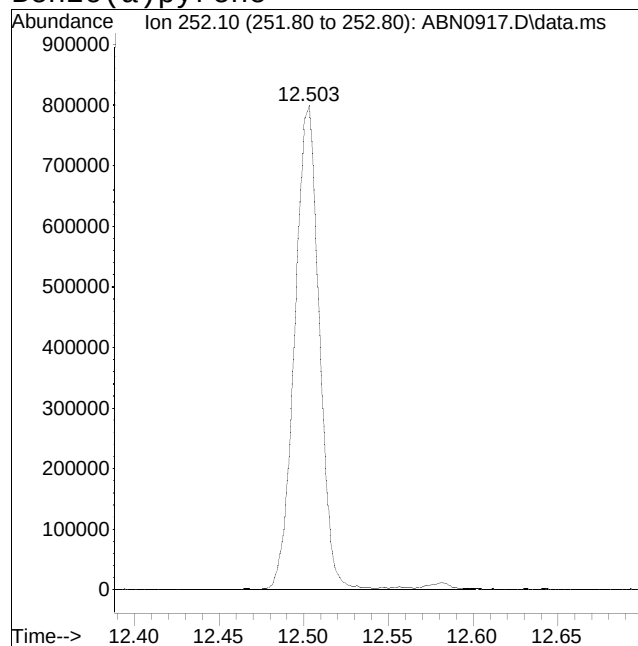
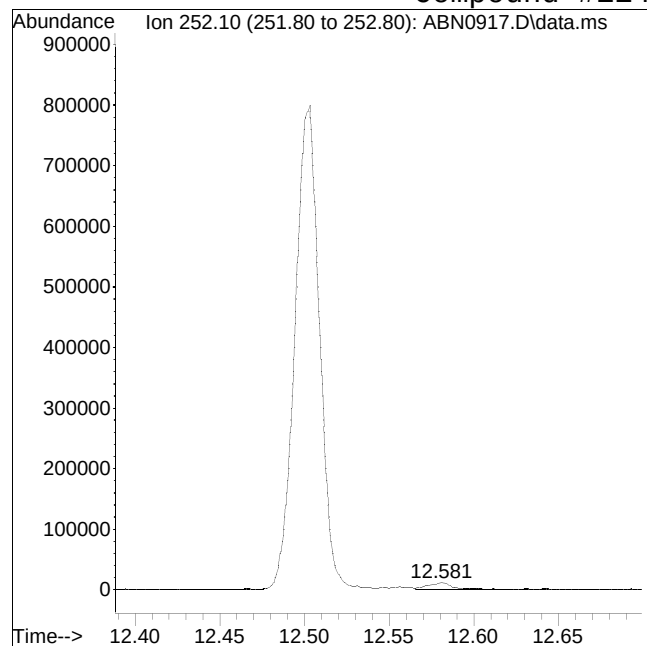


Manual Peak Response = 40692 M3

Manual Integration Report

Data Path : I:\8270\Dakota\250917RVT\ QMethod : FS250821RVT_Dakota.m
Data File : ABN0917.D Operator : Dakota:smz
Date Inj'd : 9/17/2025 10:42 am Instrument : Dakota
Sample : wg2116041-3,32,,ABN 11979 Qug0000Ate : 9/17/2025 11:16 am

Compound #114: Benzo(a)pyrene



Original Peak Response = 13467

Manual Peak Response = 823639 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250917RVT\
 Data File : AP90917.D
 Acq On : 17 Sep 2025 11:05 am
 Operator : Dakota:smz
 Sample : wg2116041-4,32,,AP9 11990 gmr0916A
 Misc : wg2116041,,ical22568
 ALS Vial : 97 Sample Multiplier: 1

Quant Time: Sep 17 12:50:15 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:50:52 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	133	0.00
28 T	Benzaldehyde	0.534	0.502	6.0	136	0.00
29 T	Acetophenone	1.663	1.348	18.9	118	0.00
30 T	m-Toluidine	0.957	0.942	1.6	131	0.00
31 T	2-Chloroaniline	1.447	1.328	8.2	126	0.00
57 I	IS2_Naphthalene-d8	1.000	1.000	0.0	141	0.00
58 T	a-Terpineol	0.245	0.191	22.0#	116	0.00
59 T	3-Chloroaniline	0.122	0.099	18.9	121	0.00
60 T	2,6-Dichlorophenol	0.330	0.301	8.8	134	0.00
61 T	1-chloro-2-nitrobenzene	0.135	0.114	15.6	125	0.00
62 T	Caprolactam	0.128	0.101	21.1#	118	0.00
63 T	1,2,4,5-Tetrachlorobenzene	0.495	0.377	23.8#	115	0.00
64 T	Biphenyl	1.020	0.840	17.6	124	0.00
85 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	142	0.00
86 T	Dichloran	0.199	0.145	27.1#	118	0.00
87 T	Pentachloronitrobenzene	0.197	0.151	23.4#	117	0.00
100 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	144	0.00
101 T	Diphenamid	0.486	0.400	17.7	129	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : AP90917.D
 Acq On : 17 Sep 2025 11:05 am
 Operator : Dakota:smz
 Sample : wg2116041-4,32,,AP9 11990 gmr0916A
 Misc : wg2116041,,ical22568
 ALS Vial : 97 Sample Multiplier: 1

Quant Time: Sep 17 12:50:15 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:50:52 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.245	152	70892	4.000	ug/ml	0.00
57) IS2_Naphthalene-d8	5.482	136	260232	4.000	ug/ml	0.00
85) IS2_Acenaphthene-d10	7.170	164	186345	4.000	ug/ml	0.00
100) IS2_Phenanthrene-d10	8.581	188	430920	4.000	ug/ml	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.807	105	44518	4.703	ug/ml	90
29) Acetophenone	4.656	105	119452	4.052	ug/ml#	79
30) m-Toluidine	4.739	106	83472	4.923	ug/ml	96
31) 2-Chloroaniline	5.097	127	117665	4.588	ug/ml#	90
58) a-Terpineol	5.551	59	61984	3.885	ug/ml#	71
59) 3-Chloroaniline	5.563	65	32295	4.084	ug/ml	88
60) 2,6-Dichlorophenol	5.588	162	98028	4.573	ug/ml#	81
61) 1-chloro-2-nitrobenzene	5.840	111	37076	4.233	ug/ml#	1
62) Caprolactam	5.880	55	32804	3.934	ug/ml#	55
63) 1,2,4,5-Tetrachloroben...	6.346	216	122765	3.810	ug/ml	96
64) Biphenyl	6.639	154	273138	4.115	ug/ml	97
86) Dichloran	8.292	206	33866	3.649	ug/ml#	71
87) Pentachloronitrobenzene	8.435	237	35240	3.833	ug/ml#	86
101) Diphenamid	9.495	167	215506	4.118	ug/ml#	67

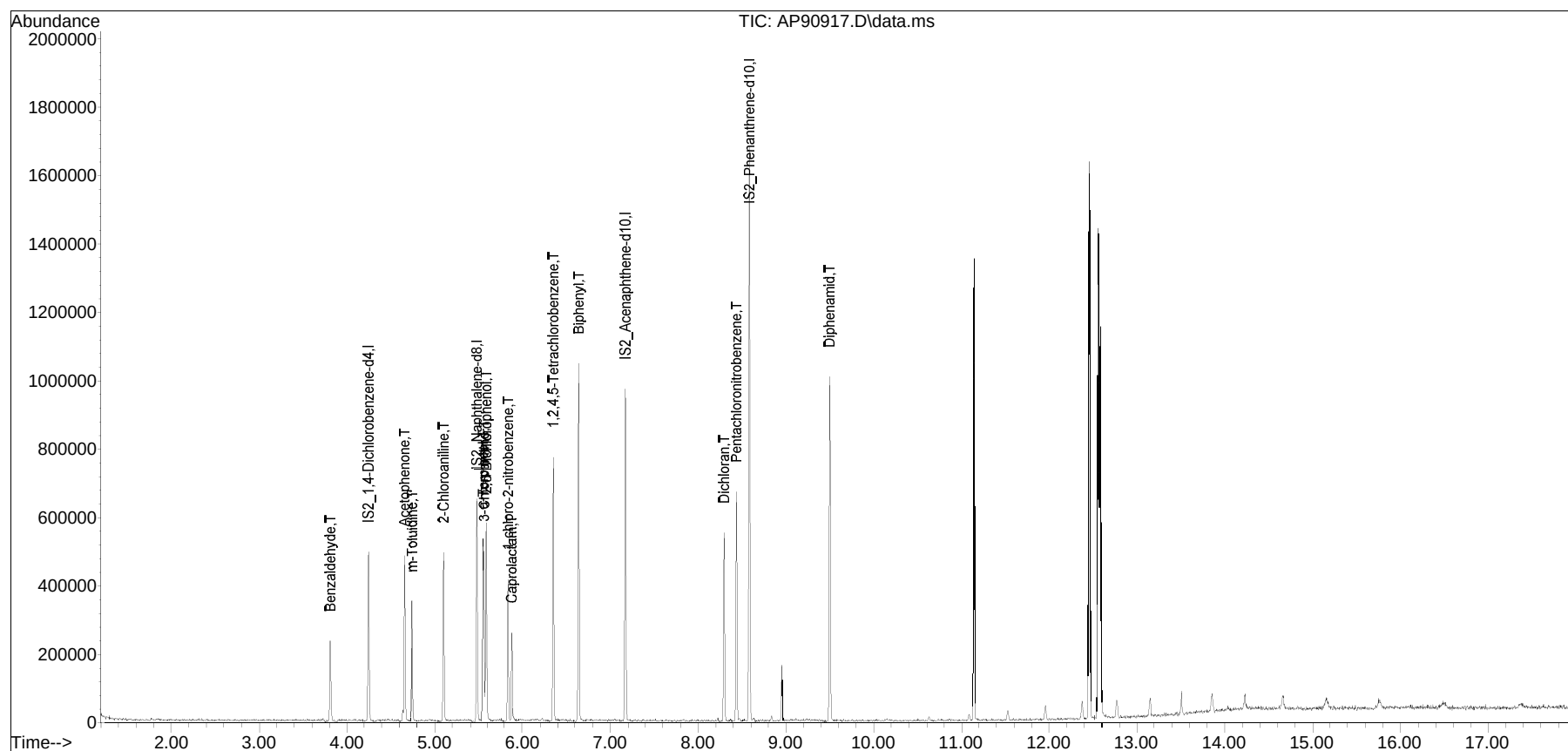
(#) = qualifier out of range (m) = manual integration (+) = signals summed

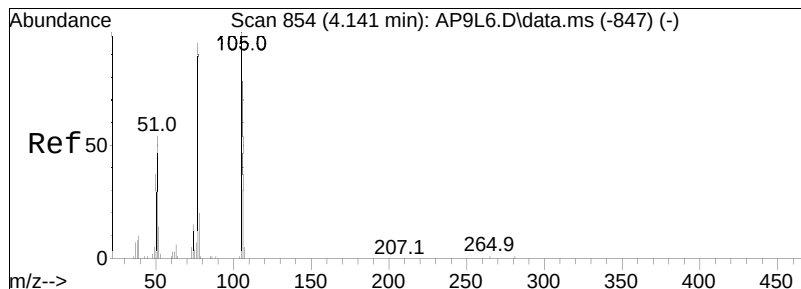
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : AP90917.D
 Acq On : 17 Sep 2025 11:05 am
 Operator : Dakota:smz
 Sample : wg2116041-4,32,,AP9 11990 gmr0916A
 Misc : wg2116041,,ical22568
 ALS Vial : 97 Sample Multiplier: 1

Quant Time: Sep 17 12:50:15 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:50:52 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist





#28

Benzaldehyde

Concen: 4.70 ug/ml

RT: 3.807 min Scan# 843

Delta R.T. 0.000 min

Lab File: AP90917.D

Acq: 17 Sep 2025 11:05 am

Tgt Ion:105 Resp: 44518

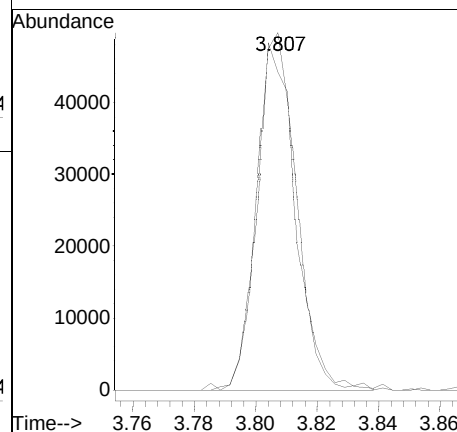
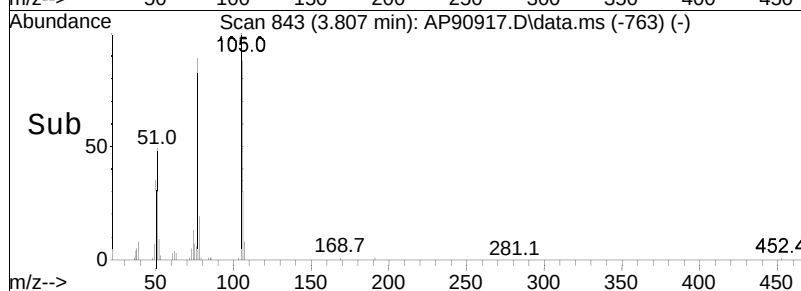
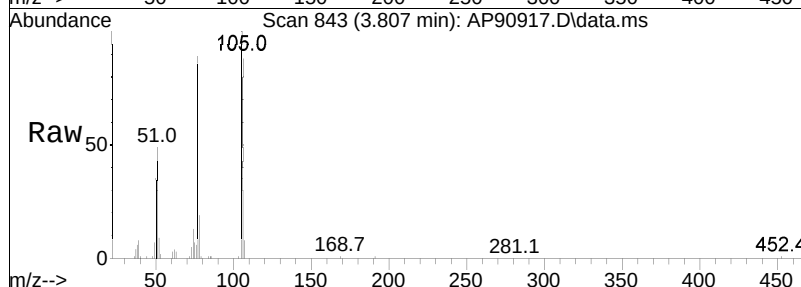
Ion Ratio Lower Upper

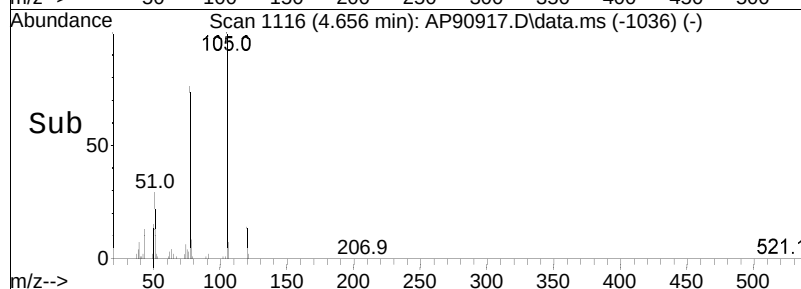
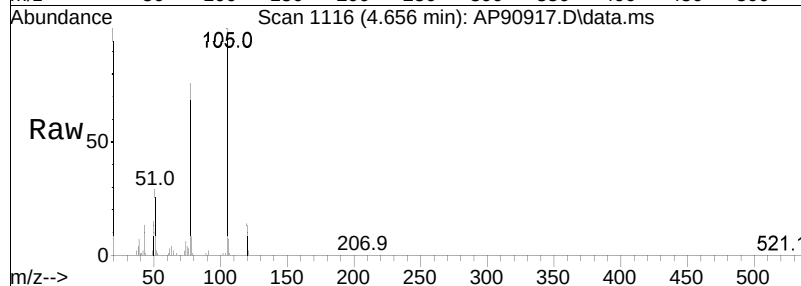
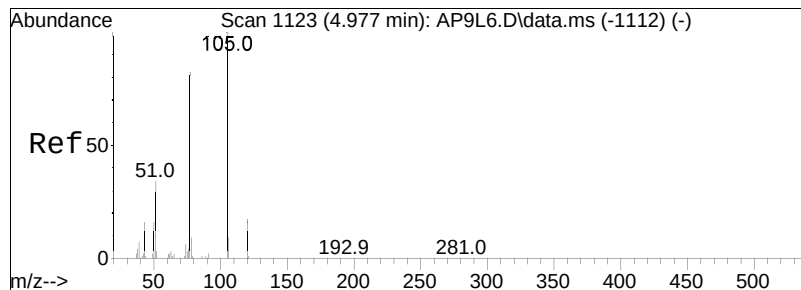
105 100

77 93.1

82.2

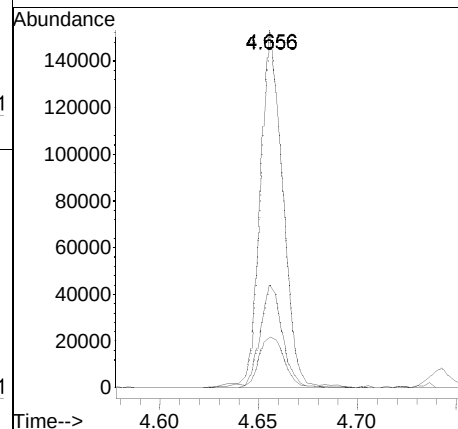
123.4

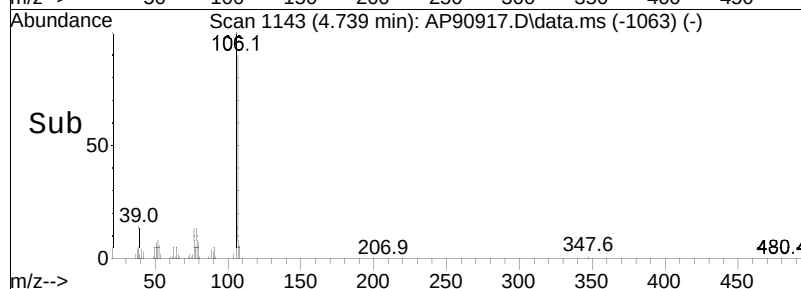
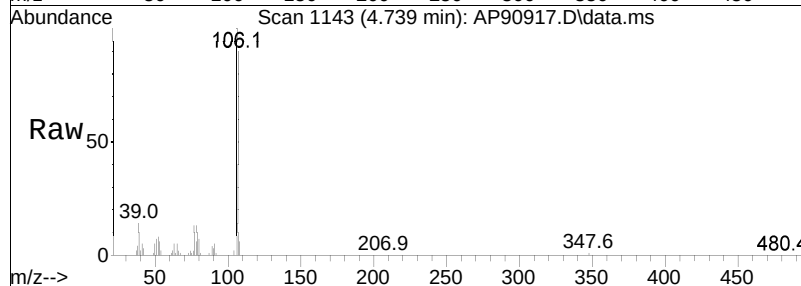
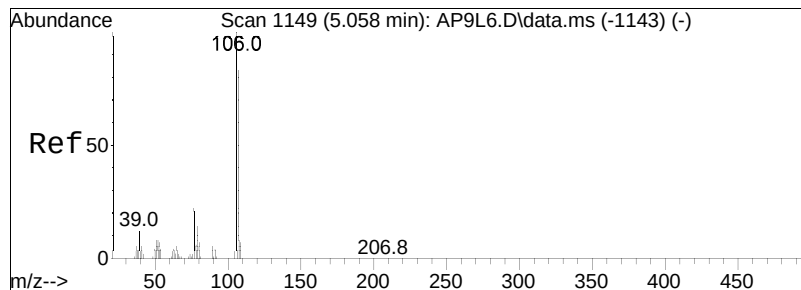




#29
 Acetophenone
 Concen: 4.05 ug/ml
 RT: 4.656 min Scan# 1116
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 11:05 am

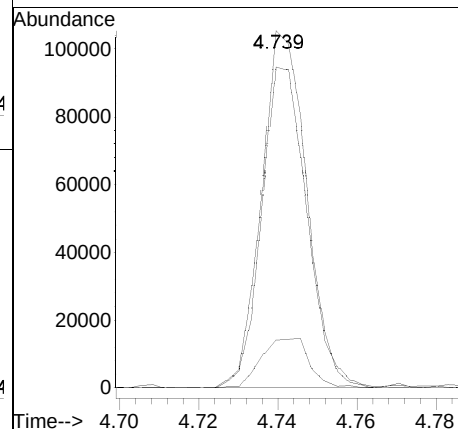
Tgt	Ion	Ratio	Resp	Lower	Upper
105	105	100	119452		
120	120	16.1		20.5	30.7#
51	51	29.5		34.9	52.3#

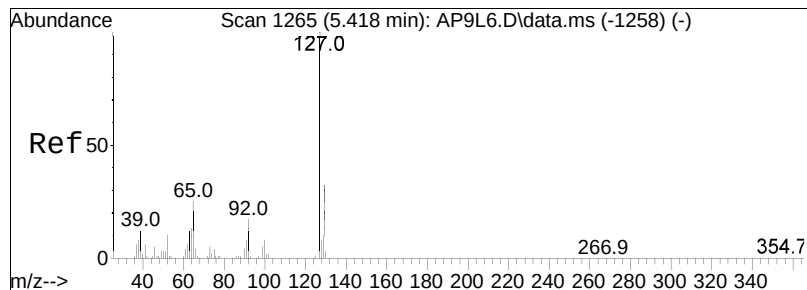




#30
 m-Toluidine
 Concen: 4.92 ug/ml
 RT: 4.739 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 11:05 am

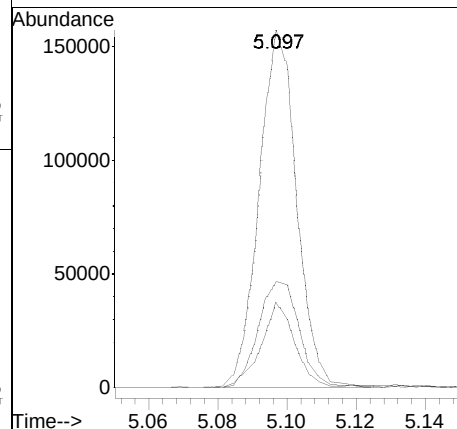
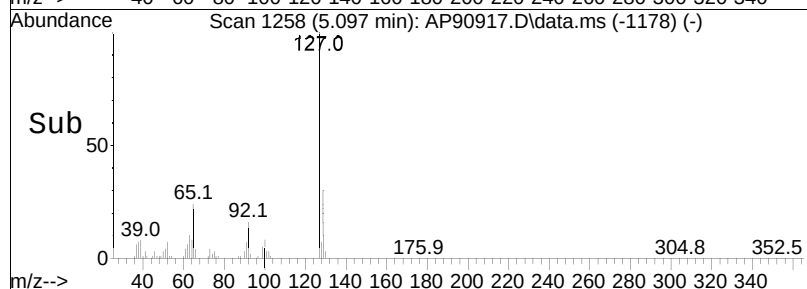
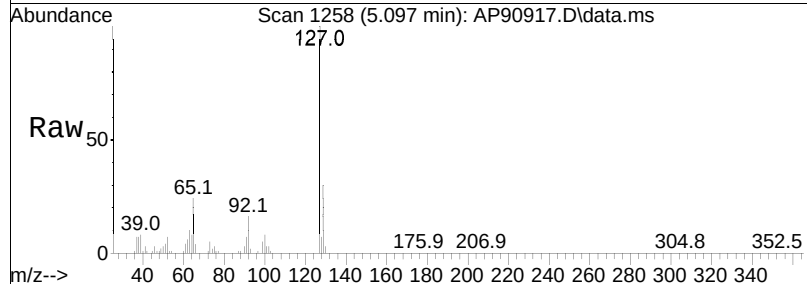
Tgt Ion	Ratio	Lower	Upper
106	100		
107	90.3	75.7	113.5
79	14.9	11.8	17.8

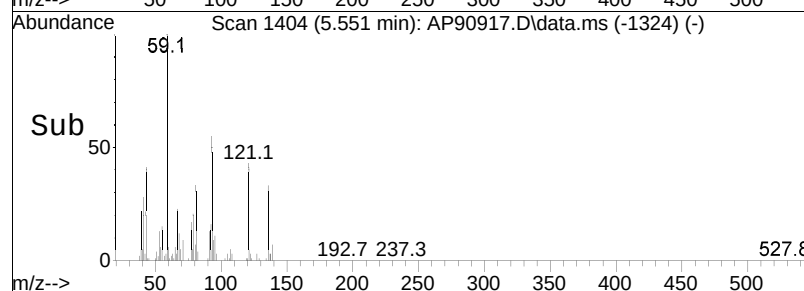
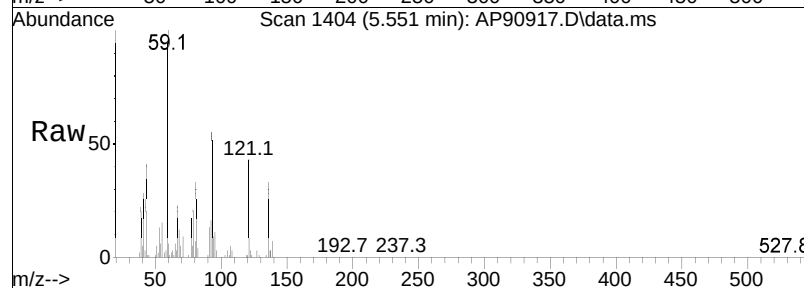
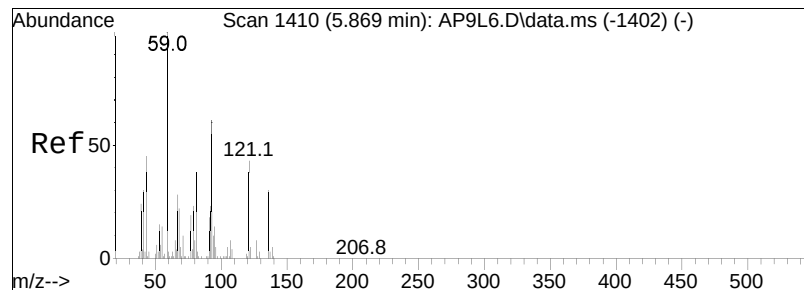




#31
 2-Chloroaniline
 Concen: 4.59 ug/ml
 RT: 5.097 min Scan# 1258
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 11:05 am

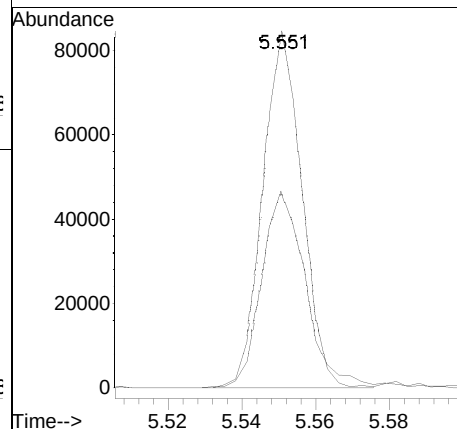
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	117665		
129	32.7		25.9	38.9
65	21.8		26.3	39.5#

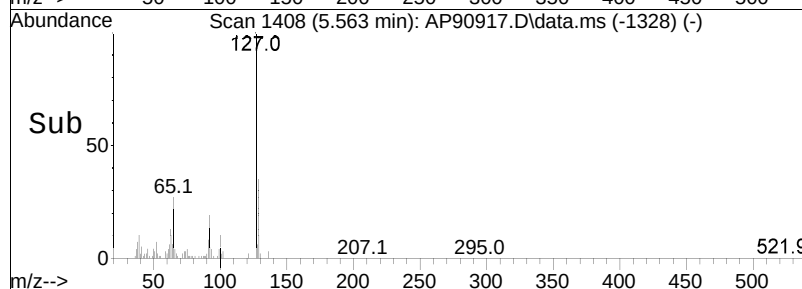
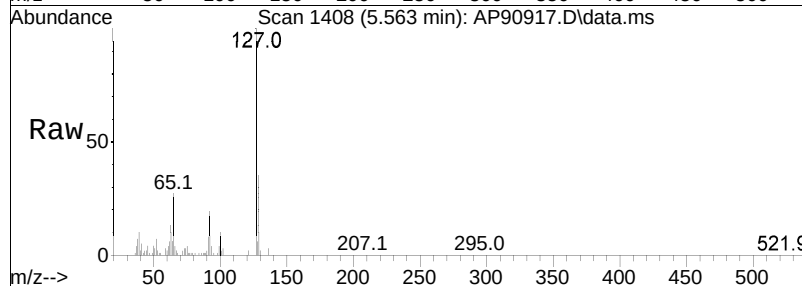
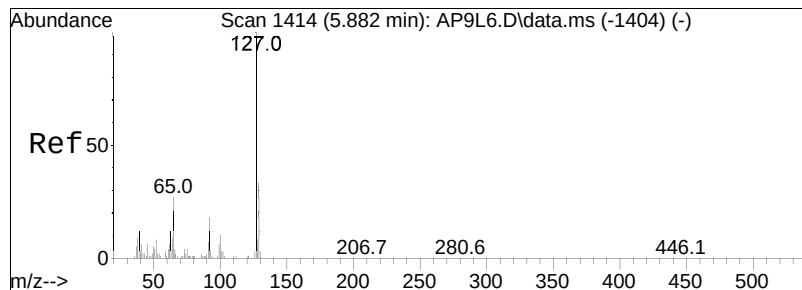




#58
a-Terpineol
Concen: 3.88 ug/ml
RT: 5.551 min Scan# 1404
Delta R.T. 0.000 min
Lab File: AP90917.D
Acq: 17 Sep 2025 11:05 am

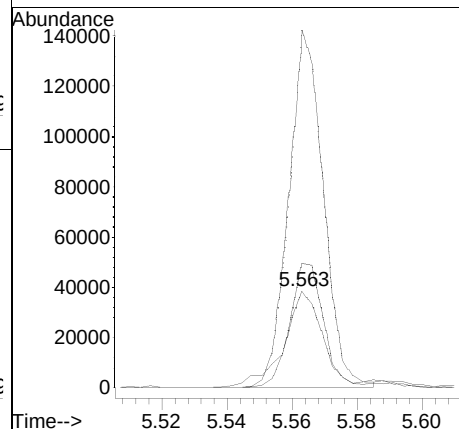
Tgt	Ion	Resp	Lower	Upper
59	100	61984		
93	63.1	35.6	53.4#	

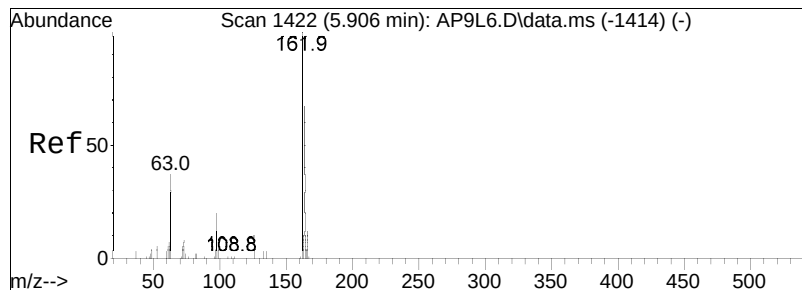




#59
 3-Chloroaniline
 Concen: 4.08 ug/ml
 RT: 5.563 min Scan# 1408
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 11:05 am

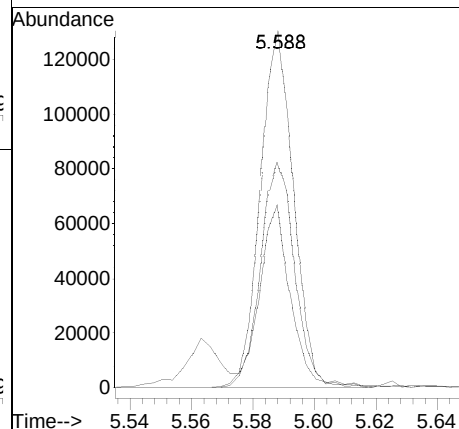
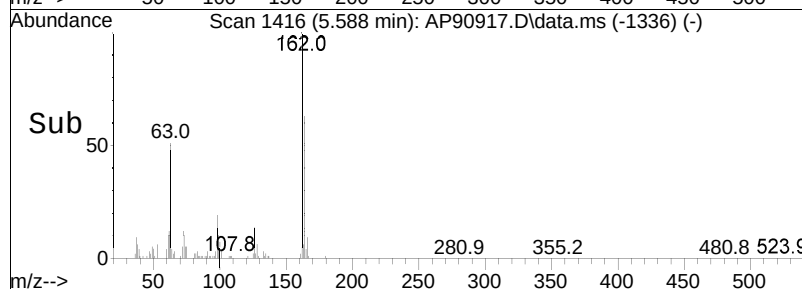
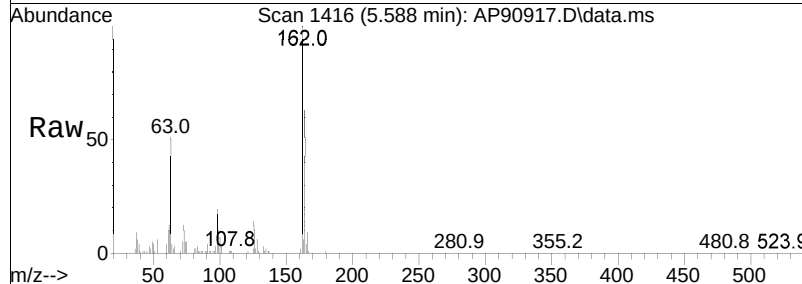
Tgt Ion	Ratio	Lower	Upper
65	100		
127	328.7	243.2	364.8
129	110.0	78.8	118.2

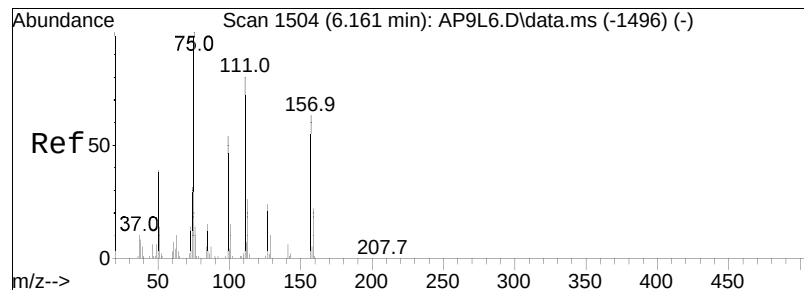




#60
 2,6-Dichlorophenol
 Concen: 4.57 ug/ml
 RT: 5.588 min Scan# 1416
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 11:05 am

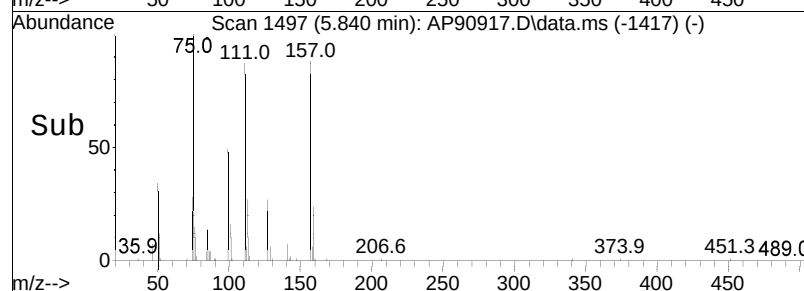
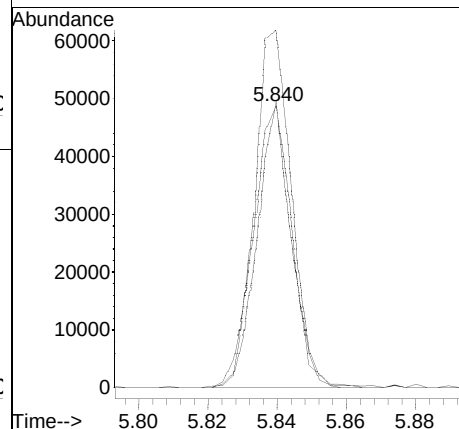
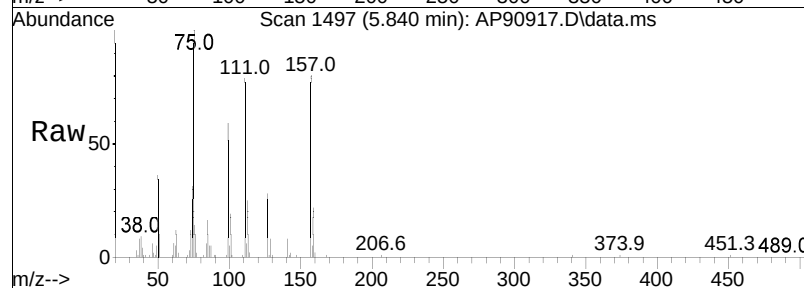
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	98028		
164	64.8		51.1	76.7
63	46.1		60.8	91.2#

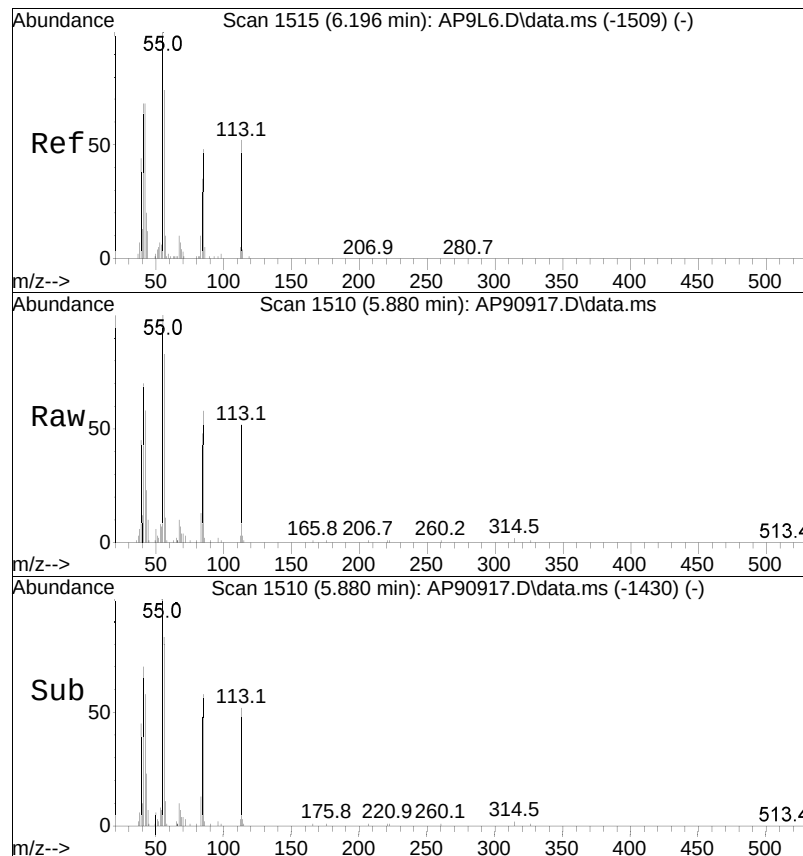




#61
 1-chloro-2-nitrobenzene
 Concen: 4.23 ug/ml
 RT: 5.840 min Scan# 1497
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 11:05 am

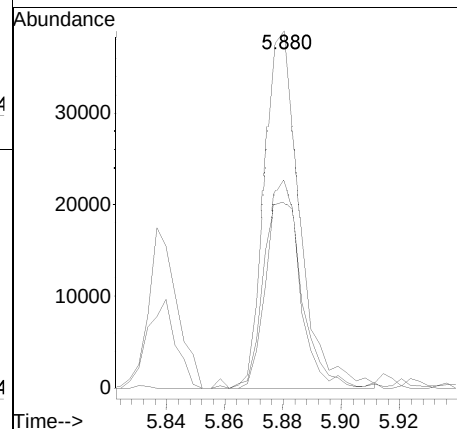
Tgt Ion	Ratio	Lower	Upper
111	100		
157	89.5	0.0	0.0#
75	124.5	28.2	42.2#

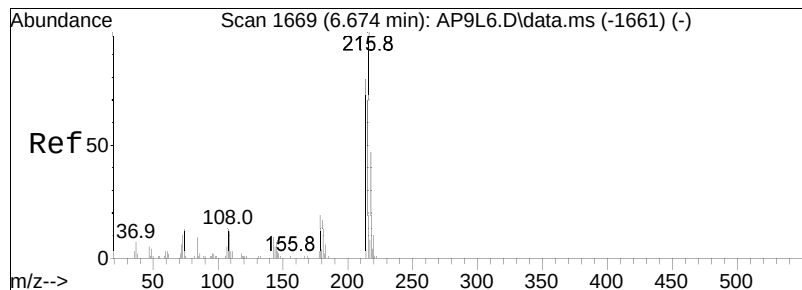




#62
 Caprolactam
 Concen: 3.93 ug/ml
 RT: 5.880 min Scan# 1510
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 11:05 am

Tgt Ion	Ratio	Resp	Lower	Upper
55	100	32804		
85	54.9		19.8	29.6#
113	58.0		29.6	44.4#





#63

1,2,4,5-Tetrachlorobenzene

Concen: 3.81 ug/ml

RT: 6.346 min Scan# 1660

Delta R.T. 0.000 min

Lab File: AP90917.D

Acq: 17 Sep 2025 11:05 am

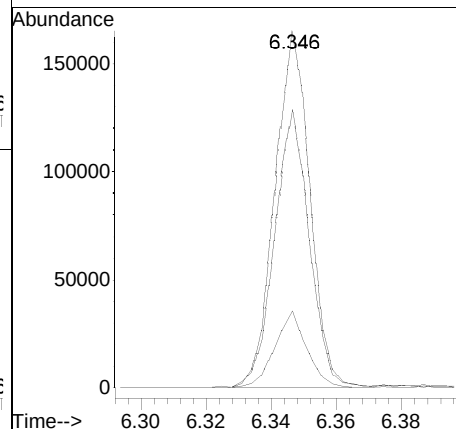
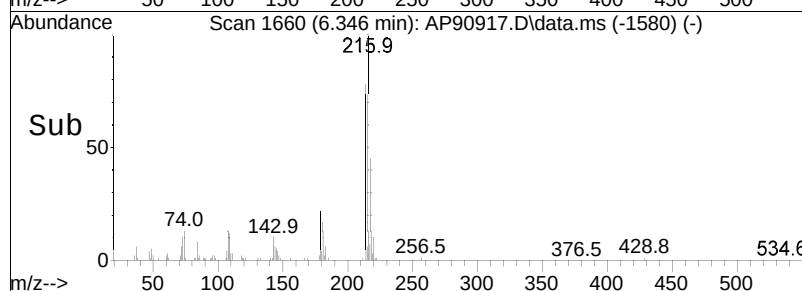
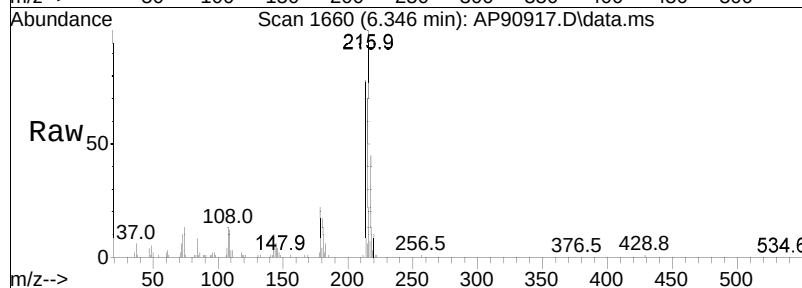
Tgt Ion: 216 Resp: 122765

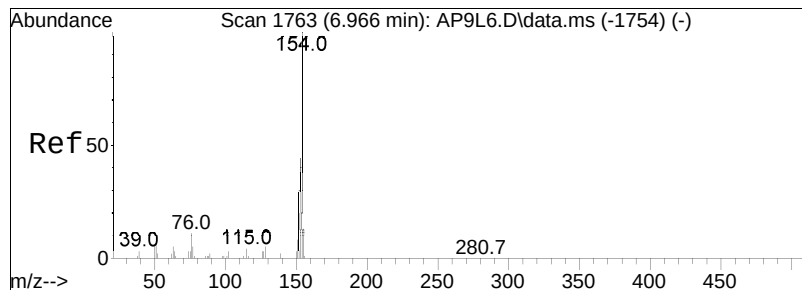
Ion Ratio Lower Upper

216 100

214 77.3 63.7 95.5

179 19.5 19.0 28.6





#64

Biphenyl

Concen: 4.11 ug/ml

RT: 6.639 min Scan# 1754

Delta R.T. 0.000 min

Lab File: AP90917.D

Acq: 17 Sep 2025 11:05 am

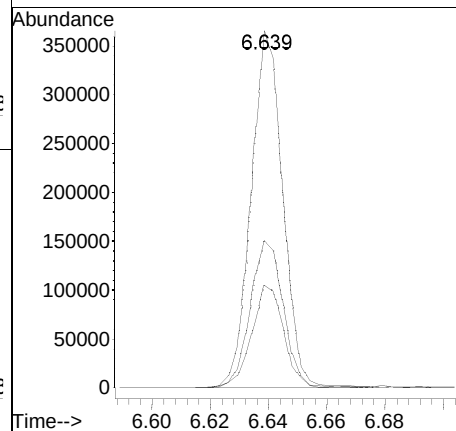
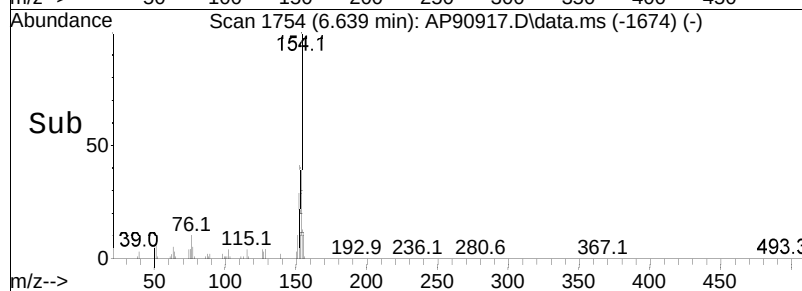
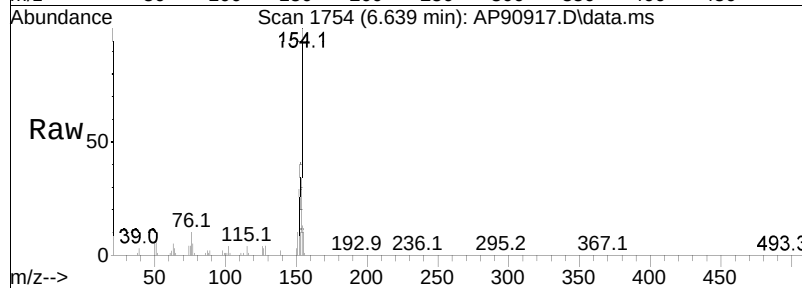
Tgt Ion:154 Resp: 273138

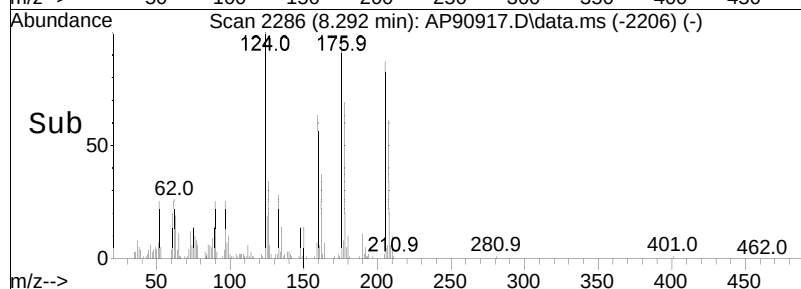
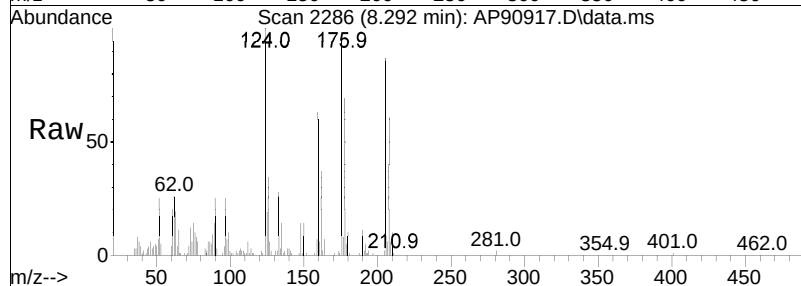
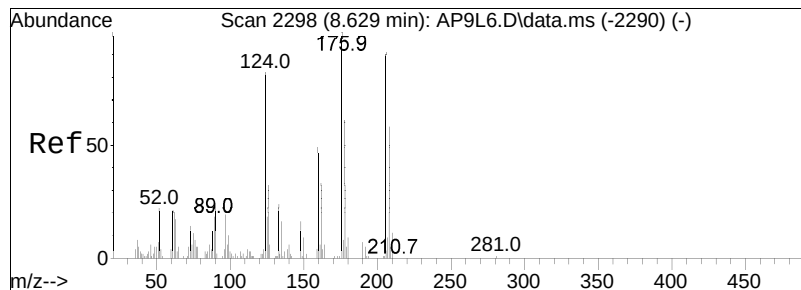
Ion Ratio Lower Upper

154 100

153 43.1 32.3 48.5

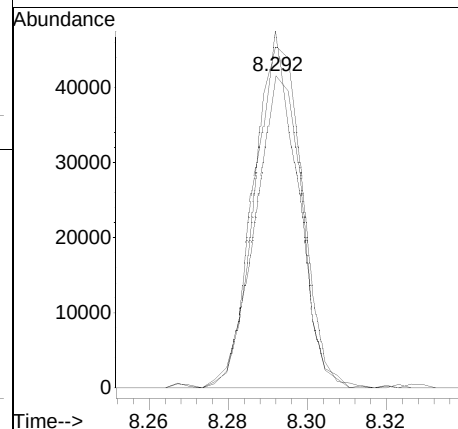
152 29.1 22.5 33.7

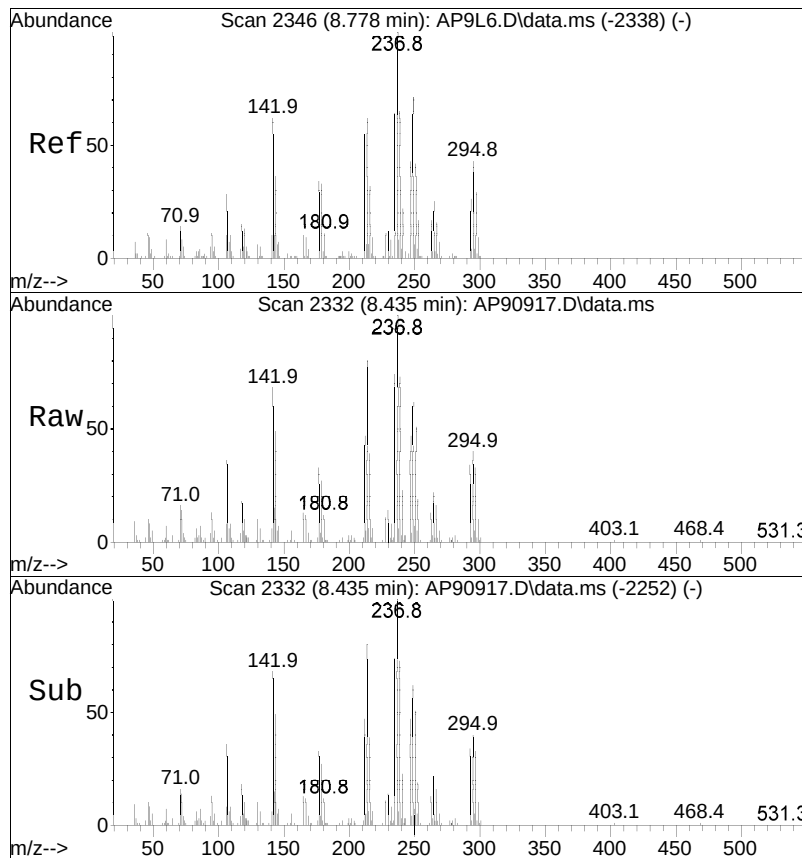




#86
 Dichloran
 Concen: 3.65 ug/ml
 RT: 8.292 min Scan# 2286
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 11:05 am

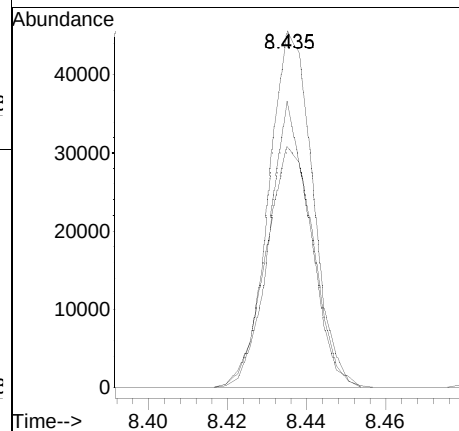
Tgt	Ion	Ratio	Lower	Upper
206	100			
176	114.4	104.6	157.0	
124	107.2	130.5	195.7#	

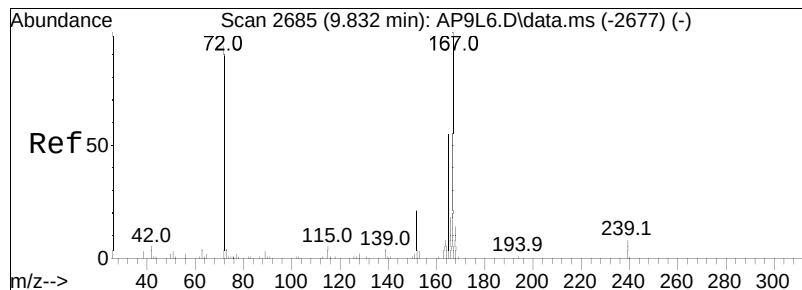




#87
 Pentachloronitrobenzene
 Concen: 3.83 ug/ml
 RT: 8.435 min Scan# 2332
 Delta R.T. 0.000 min
 Lab File: AP90917.D
 Acq: 17 Sep 2025 11:05 am

Tgt Ion	Ratio	Lower	Upper
237	100		
142	73.9	77.0	115.4#
214	74.2	58.2	87.4





#101

Diphenamid

Concen: 4.12 ug/ml

RT: 9.495 min Scan# 2673

Delta R.T. 0.000 min

Lab File: AP90917.D

Acq: 17 Sep 2025 11:05 am

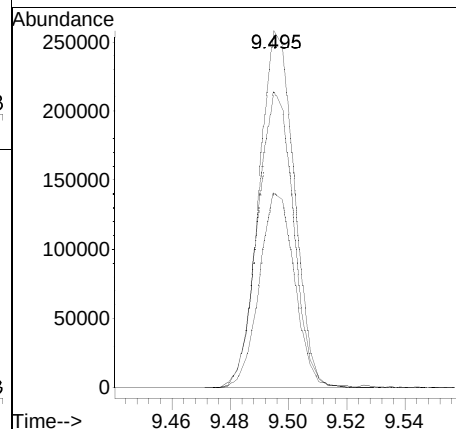
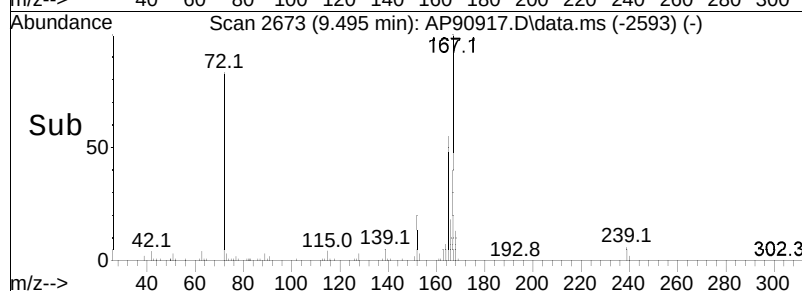
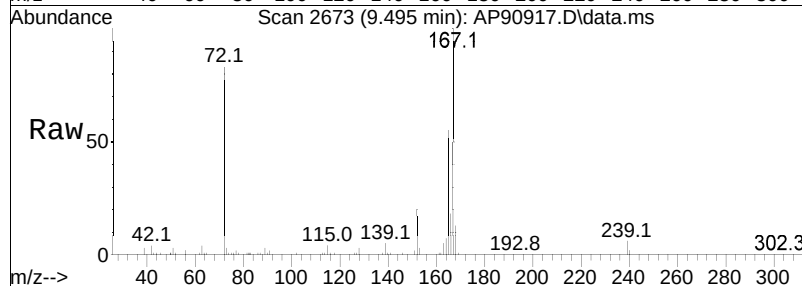
Tgt Ion:167 Resp: 215506

Ion Ratio Lower Upper

167 100

72 84.4 109.7 164.5#

165 55.0 41.8 62.6



Manual Integration Report

Data Path : I:\8270\Dakota\250917RVT\ QMethod : FS250821RVT_Dakota.m
Data File : AP90917.D Operator : Dakota:smz
Date Inj'd : 9/17/2025 11:05 am Instrument : Dakota
Sample : wg2116041-4,32,,AP9 11990 Qma0010Ate : 9/17/2025 12:51 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250917RVT\
 Data File : ADP0917.D
 Acq On : 17 Sep 2025 11:27 am
 Operator : Dakota:smz
 Sample : wg2116041-5,32,,ADP 11661 gmr0913A
 Misc : wg2116041,,ical22568
 ALS Vial : 98 Sample Multiplier: 1

Quant Time: Sep 17 12:51:16 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:53 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	134	0.00
33 T	1,4-Dioxane	0.411	0.375	8.8	125	0.00
35 T	n-Decane	1.270	0.912	28.2#	102	0.00
88 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	146	0.00
89 T	Atrazine	0.486	0.418	14.0	132	0.00
102 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	148	0.00
103 T	n-Octadecane	0.368	0.268	27.2#	114	0.00
104 T	Parathion	* 5.000	4.910	1.8	144	0.00
105 T	3,3'-Dimethylbenzidine	* 5.000	3.277	34.5#	99	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : ADP0917.D
 Acq On : 17 Sep 2025 11:27 am
 Operator : Dakota:smz
 Sample : wg2116041-5,32,,ADP 11661 gmr0913A
 Misc : wg2116041,,ical22568
 ALS Vial : 98 Sample Multiplier: 1

Quant Time: Sep 17 12:51:16 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:53 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.245	152	72160	4.000	ug/ml	0.00
88) IS3_Acenaphthene-d10	7.170	164	183938	4.000	ug/ml	0.00
102) IS3_Phenanthrene-d10	8.581	188	433961	4.000	ug/ml	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.345	88	33810	4.557	ug/ml	91
35) n-Decane	4.149	57	82269	3.590	ug/ml#	27
89) Atrazine	8.385	200	96145	4.301	ug/ml	91
103) n-Octadecane	8.597	57	145468	3.645	ug/ml#	1
104) Parathion	9.380	109	44845	4.910	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.617	212	284557	3.277	ug/ml	96

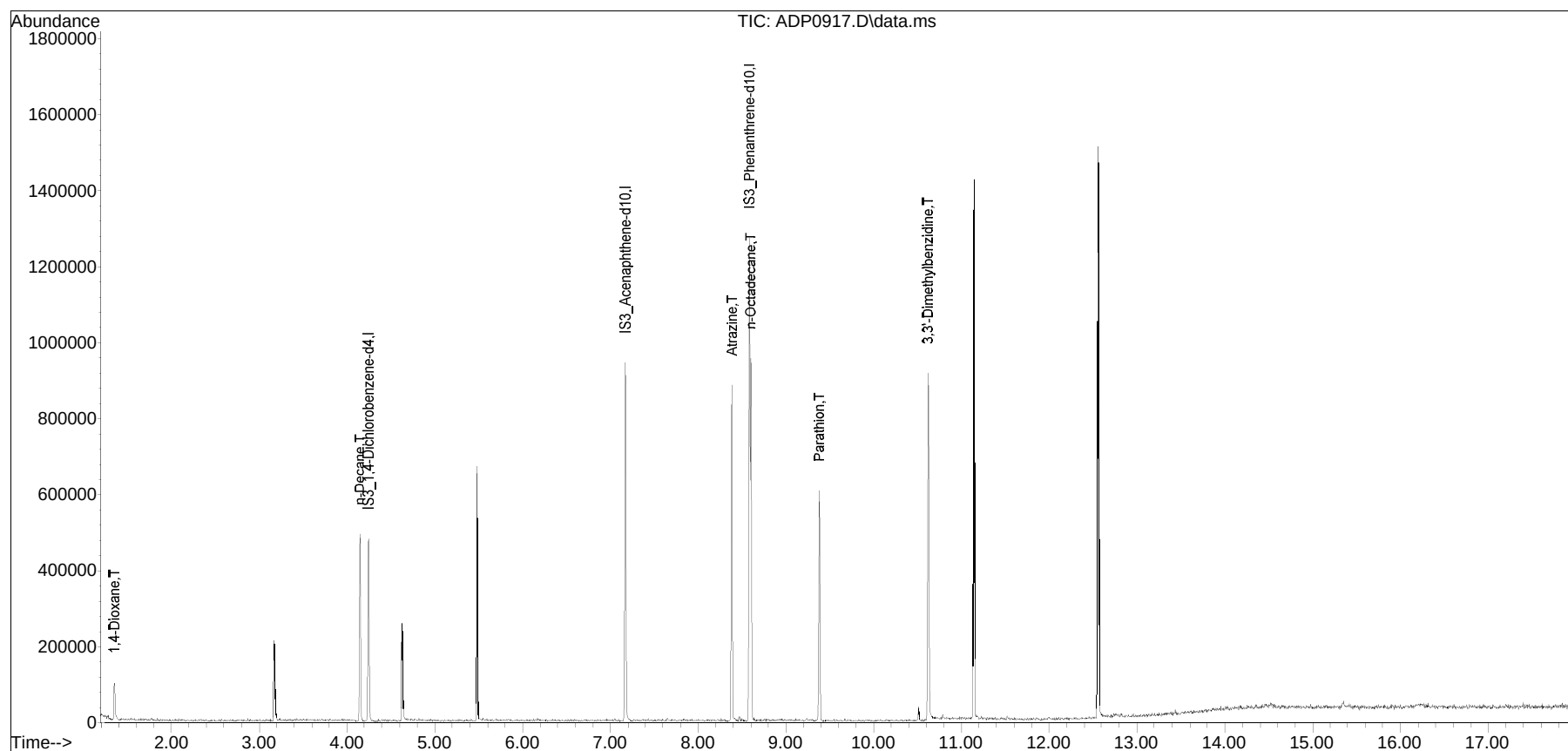
(#) = qualifier out of range (m) = manual integration (+) = signals summed

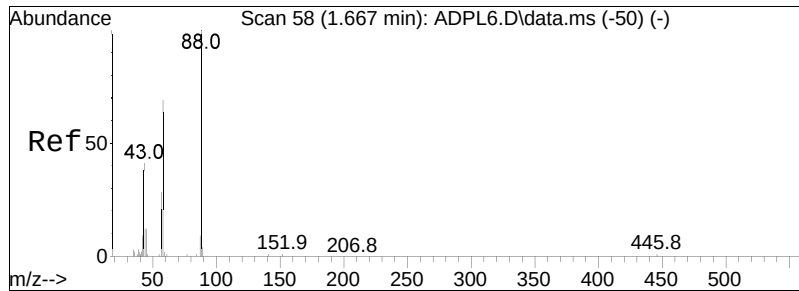
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : ADP0917.D
 Acq On : 17 Sep 2025 11:27 am
 Operator : Dakota:smz
 Sample : wg2116041-5,32,,ADP 11661 gmr0913A
 Misc : wg2116041,,ical22568
 ALS Vial : 98 Sample Multiplier: 1

Quant Time: Sep 17 12:51:16 2025
 Quant Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 12:51:53 2025
 Response via : Initial Calibration

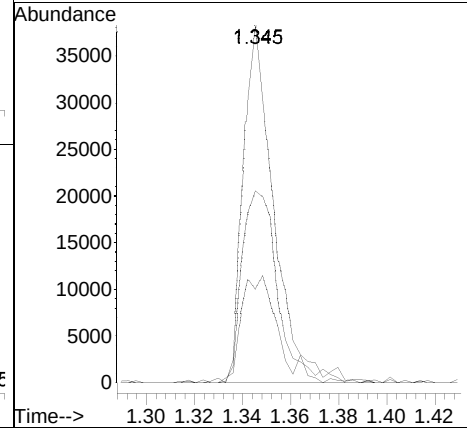
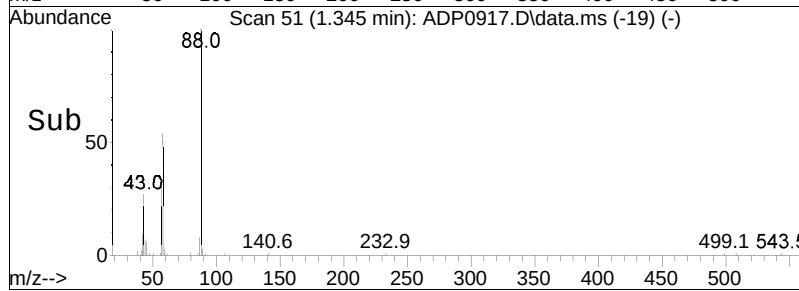
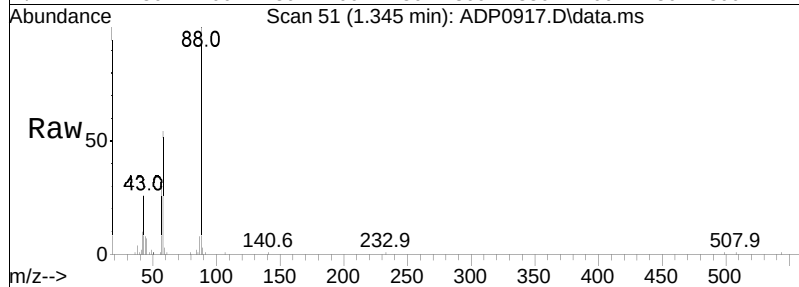
Sub List : ADPical_REV2 - ADP sublist

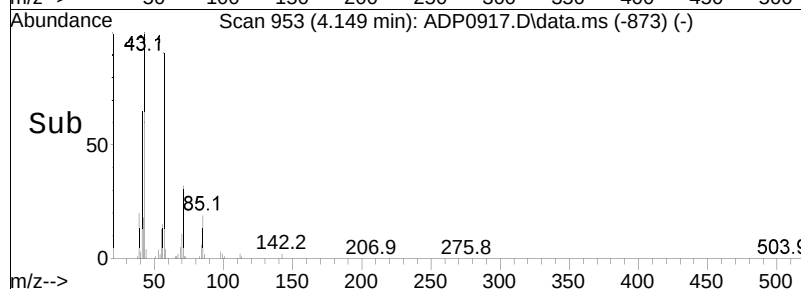
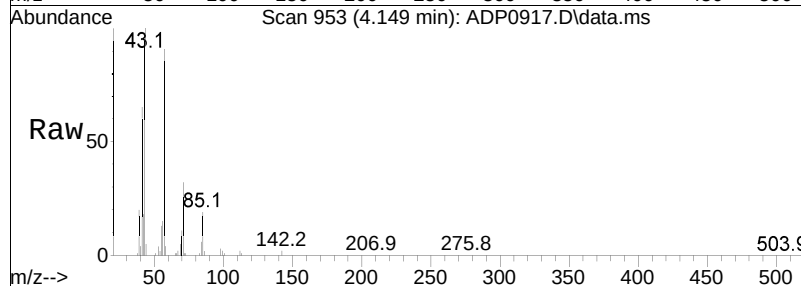
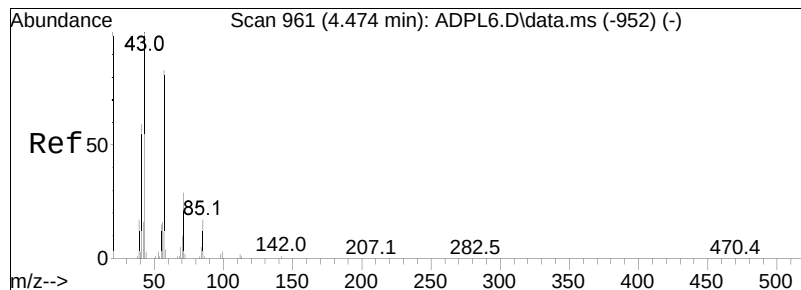




#33
 1,4-Dioxane
 Concen: 4.56 ug/ml
 RT: 1.345 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: ADP0917.D
 Acq: 17 Sep 2025 11:27 am

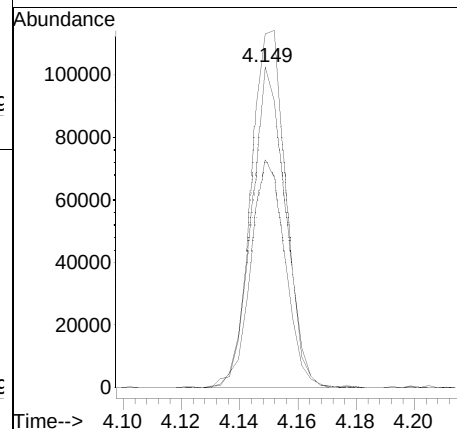
Tgt Ion: 88 Resp: 33810
 Ion Ratio Lower Upper
 88 100
 58 62.4 44.8 67.2
 43 32.6 22.4 33.6

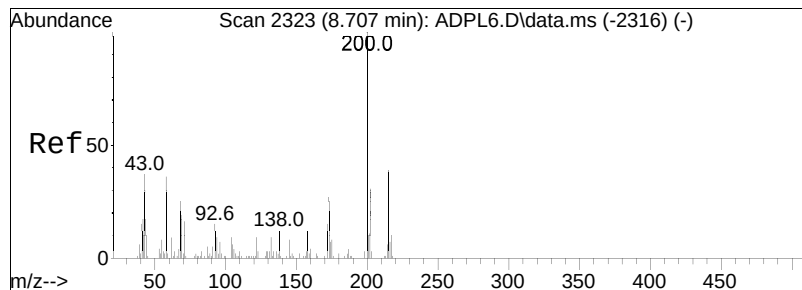




#35
 n-Decane
 Concen: 3.59 ug/ml
 RT: 4.149 min Scan# 953
 Delta R.T. 0.000 min
 Lab File: ADP0917.D
 Acq: 17 Sep 2025 11:27 am

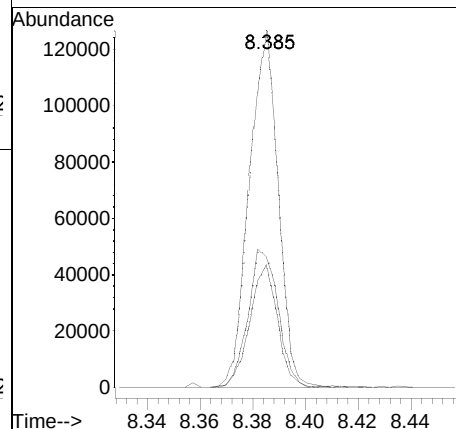
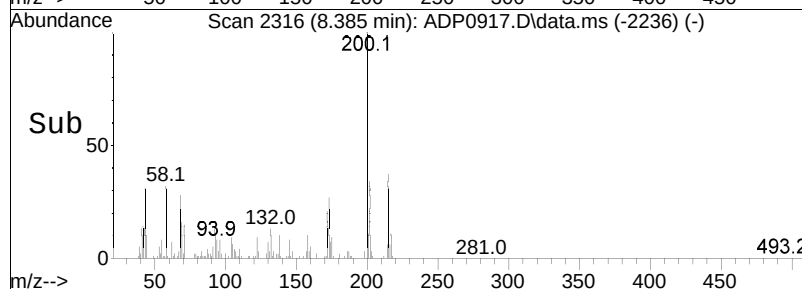
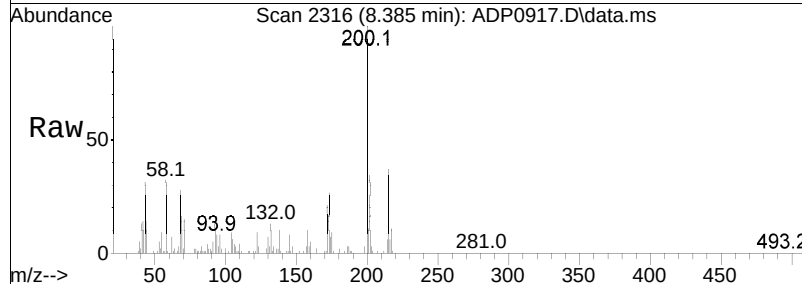
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	82269		
43	115.7		0.2	0.2#
41	72.3		0.2	0.2#

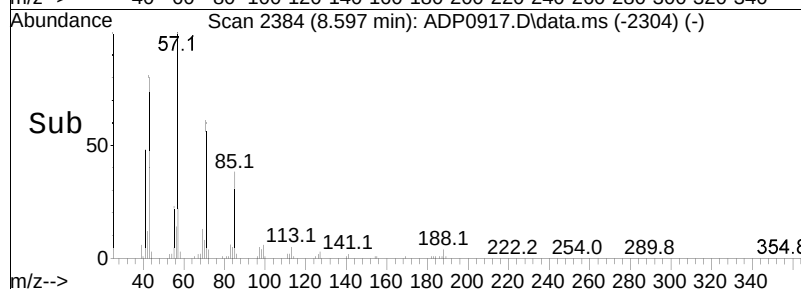
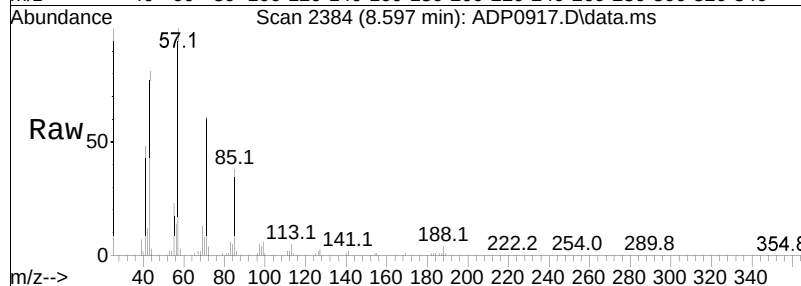
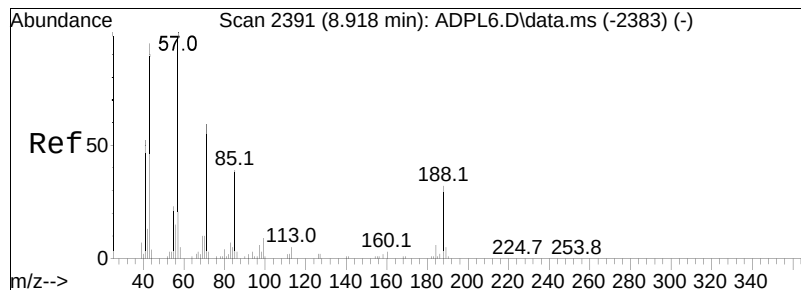




#89
 Atrazine
 Concen: 4.30 ug/ml
 RT: 8.385 min Scan# 2316
 Delta R.T. 0.000 min
 Lab File: ADP0917.D
 Acq: 17 Sep 2025 11:27 am

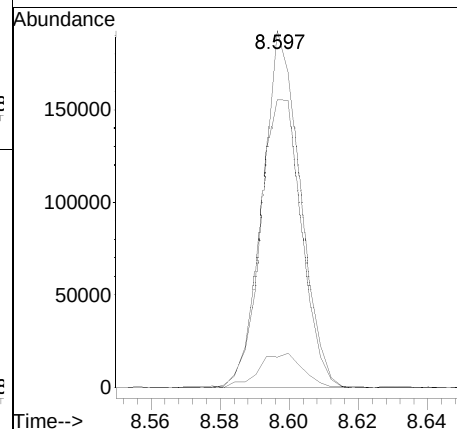
Tgt Ion	Ratio	Lower	Upper
200	100		
202	33.1	25.8	38.6
215	40.4	40.2	60.4

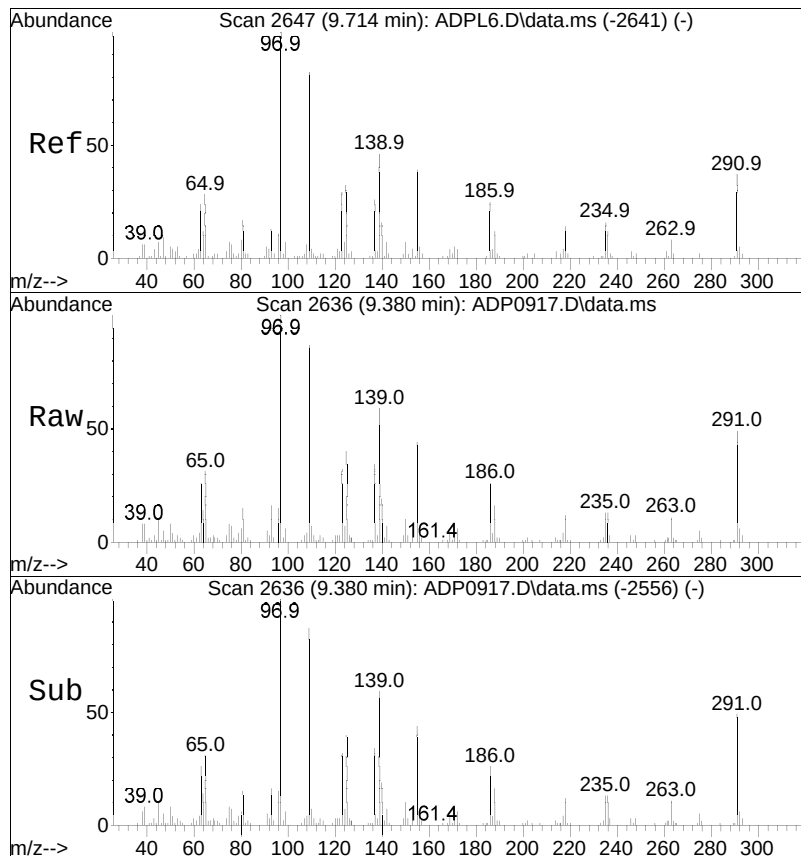




#103
 n-Octadecane
 Concen: 3.65 ug/ml
 RT: 8.597 min Scan# 2384
 Delta R.T. 0.000 min
 Lab File: ADP0917.D
 Acq: 17 Sep 2025 11:27 am

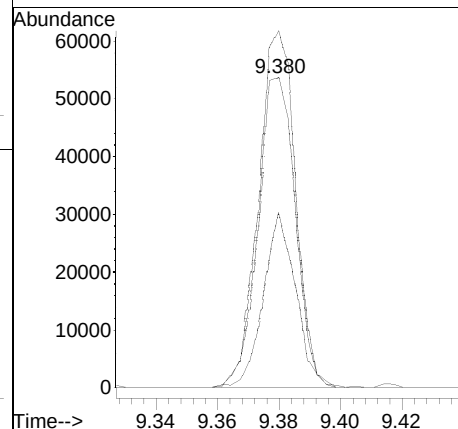
Tgt	Ion	Resp	Lower	Upper
57	100	145468		
43	88.2	9.0	13.6#	
70	11.5	0.2	0.2#	

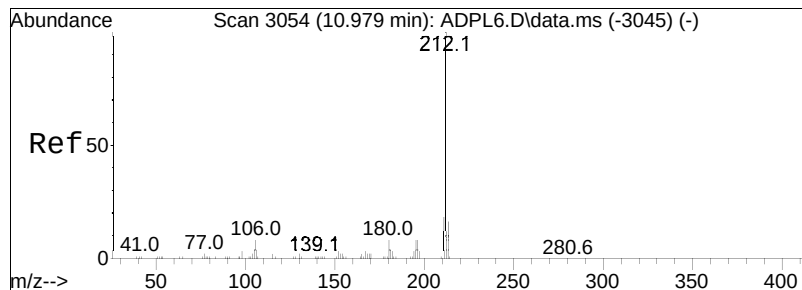




#104
 Parathion
 Concen: 4.91 ug/ml
 RT: 9.380 min Scan# 2636
 Delta R.T. 0.000 min
 Lab File: ADP0917.D
 Acq: 17 Sep 2025 11:27 am

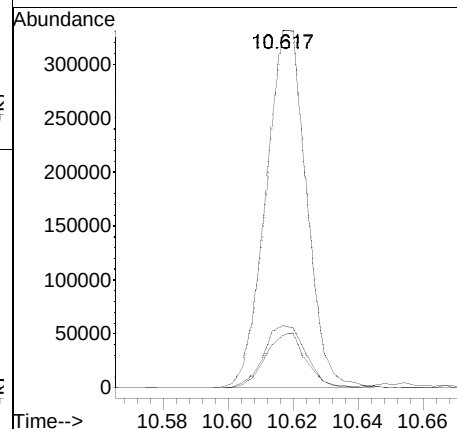
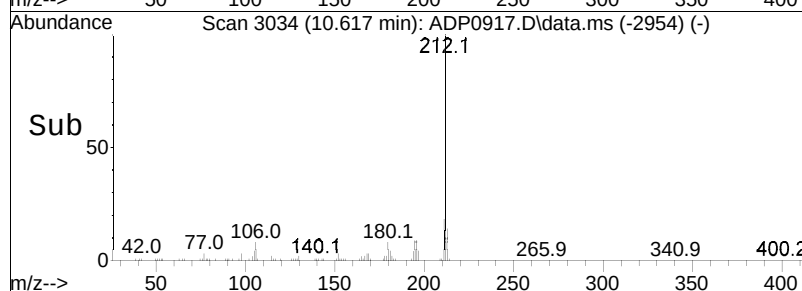
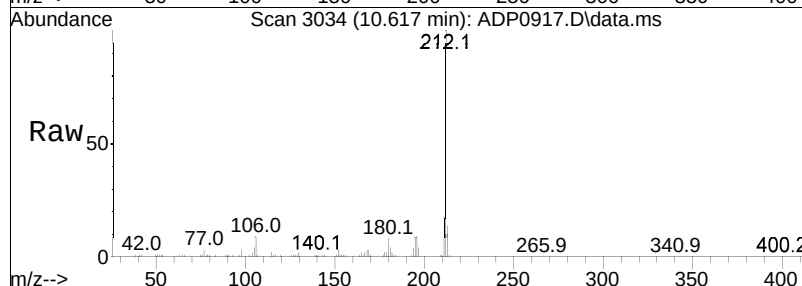
Tgt Ion:	109	Resp:	44845
Ion Ratio	Lower	Upper	
109	100		
97	114.2	87.4	131.2
291	49.2	34.2	51.2





#105
 3,3'-Dimethylbenzidine
 Concen: 3.28 ug/ml
 RT: 10.617 min Scan# 3034
 Delta R.T. 0.000 min
 Lab File: ADP0917.D
 Acq: 17 Sep 2025 11:27 am

Tgt	Ion:212	Resp:	284557
Ion	Ratio	Lower	Upper
212	100		
211	18.5	12.9	19.3
213	15.1	13.2	19.8



Manual Integration Report

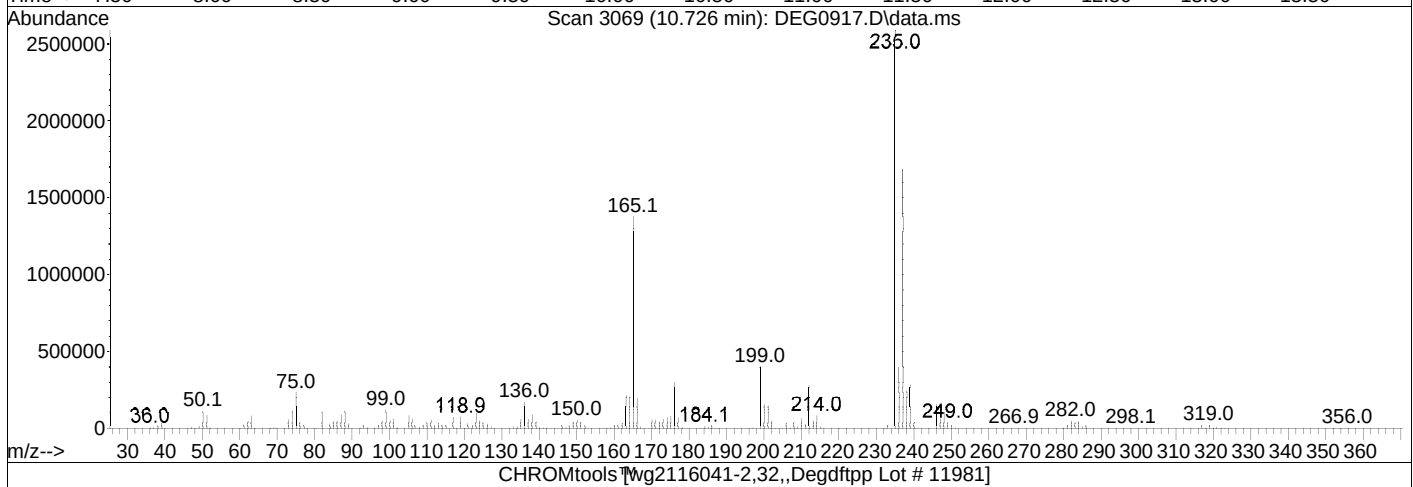
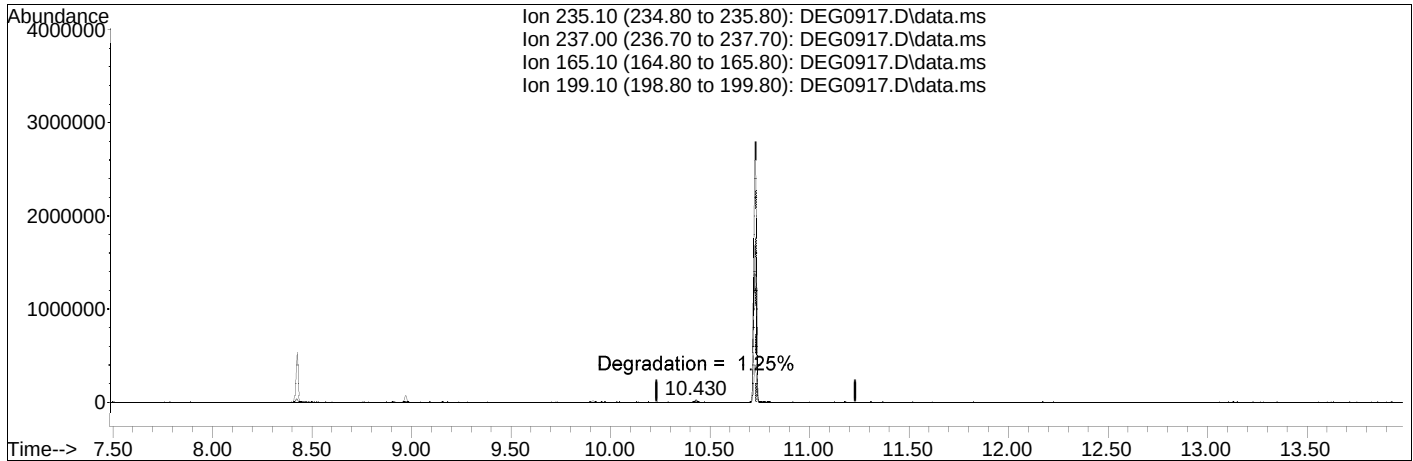
Data Path : I:\8270\Dakota\250917RVT\ QMethod : FS250821RVT_Dakota.m
Data File : ADP0917.D Operator : Dakota:smz
Date Inj'd : 9/17/2025 11:27 am Instrument : Dakota
Sample : wg2116041-5,32,,ADP 11661 Qma001BAte : 9/17/2025 12:52 pm

There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\250917RVT\
Data File : DEG0917.D
Acq On : 17 Sep 2025 10:20 am
Operator : Dakota:smz
Sample : wg2116041-2,32,,Degdftpp Lot # 11981
Misc : wg2116041,,ical22568
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Sep 17 11:13:56 2025
Quant Method : I:\8270\Dakota\250917RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 16 21:35:30 2025
Response via : Initial Calibration



CHROMtools [wg2116041-2,32,,Degdftpp Lot # 11981]

(6) DDT (T)

10.726min (-0.006) 379.93

response 2315946

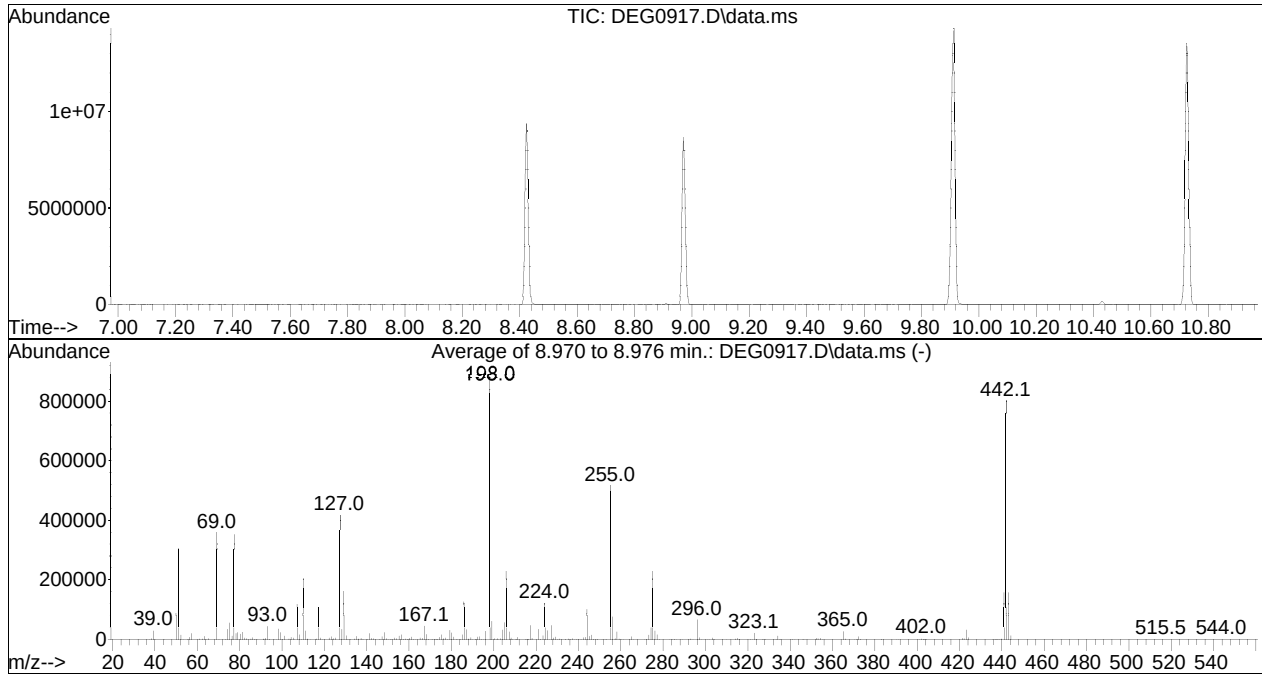
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.70
165.10	48.70	52.34
199.10	15.80	15.39

DFTPP

Data Path : I:\8270\Dakota\250917RVT\
 Data File : DEG0917.D
 Acq On : 17 Sep 2025 10:20 am
 Operator : Dakota:gm
 Sample : WG2116041-1,32,,Degdftpp Lot # 11981
 Misc : WG2116041,,ical22568
 ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\250917RVT\FS250821RVT_Dakota.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Wed Sep 17 11:16:47 2025



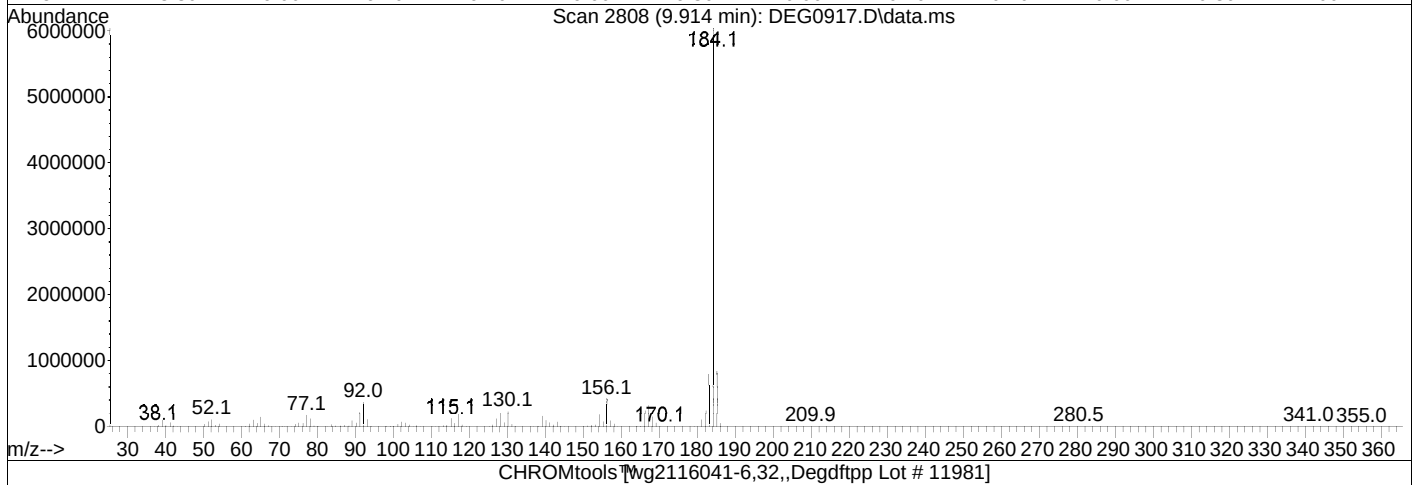
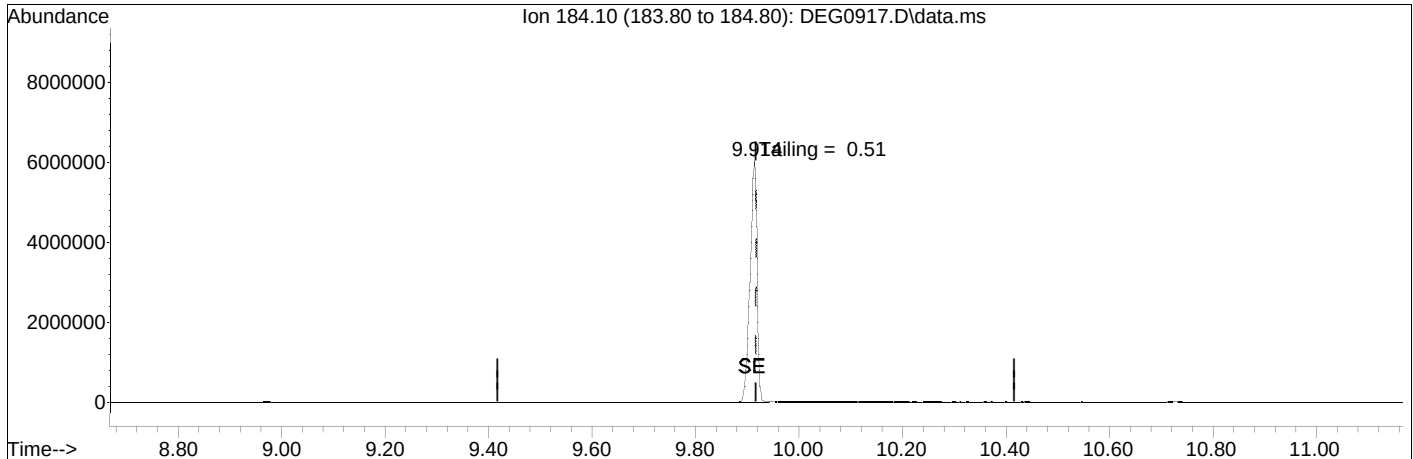
Spectrum Information: Average of 8.970 to 8.976 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.5	305440	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	358165	PASS
70	69	0.00	2	0.7	2643	PASS
127	198	10	80	47.1	416704	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	885653	PASS
199	198	5	9	6.9	61080	PASS
275	198	10	60	25.8	228821	PASS
365	198	1	100	3.1	27493	PASS
441	442	0.01	24	19.3	154776	PASS
442	198	50	100	90.6	802432	PASS
443	442	15	24	19.2	154059	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\250917RVT\
 Data File : DEG0917.D
 Acq On : 17 Sep 2025 10:20 am
 Operator : Dakota:smz
 Sample : wg2116041-6,32,,Degdftpp Lot # 11981
 Misc : wg2116041,,ical22568
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Sep 17 11:13:56 2025
 Quant Method : I:\8270\Dakota\250917RVT\DftppDakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 21:35:30 2025
 Response via : Initial Calibration



CHROMtools [wg2116041-6,32,,Degdftpp Lot # 11981]

(3) Benzidine (T)

9.914min (-0.003) 531.99

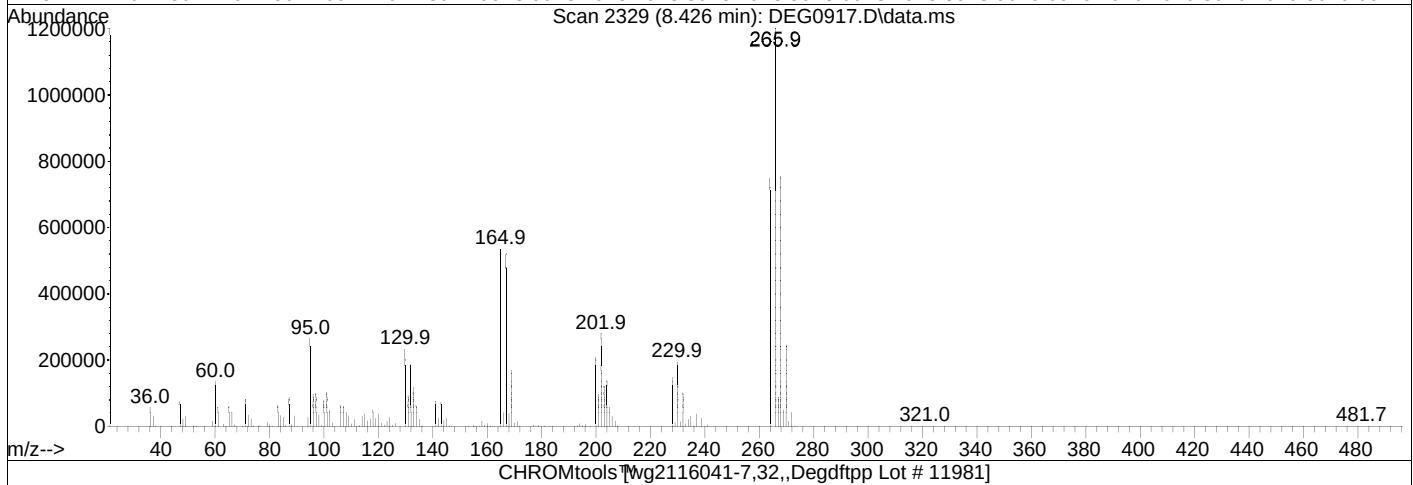
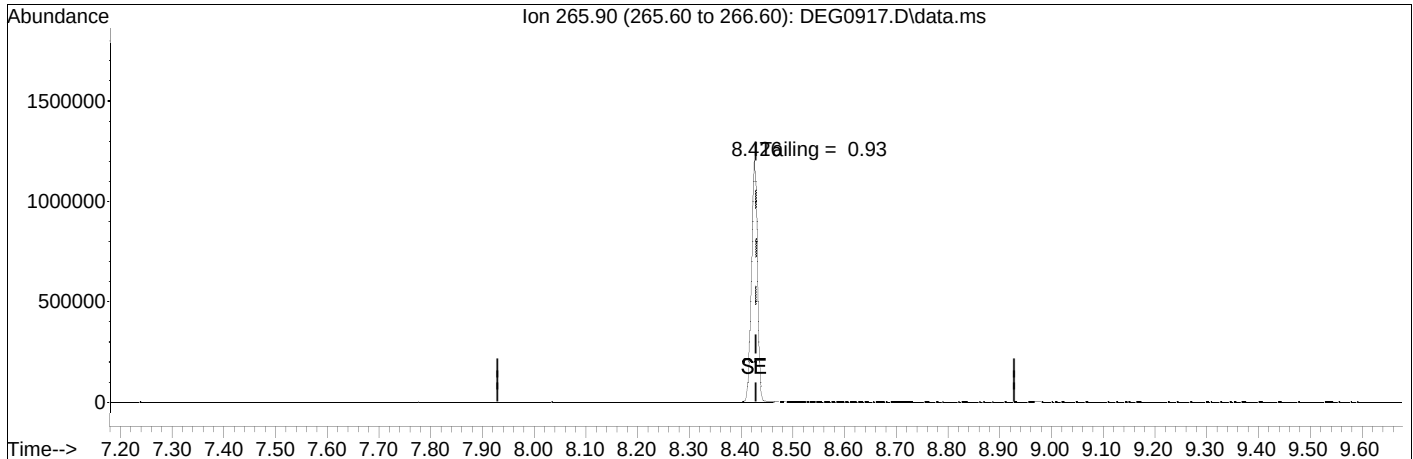
response 5415688

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\250917RVT\
Data File : DEG0917.D
Acq On : 17 Sep 2025 10:20 am
Operator : Dakota:smz
Sample : wg2116041-7,32,,Degdftpp Lot # 11981
Misc : wg2116041,,ical22568
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Sep 17 11:13:56 2025
Quant Method : I:\8270\Dakota\250917RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 16 21:35:30 2025
Response via : Initial Calibration



(1) Pentachlorophenol (T)

8.426min (-0.003) 445.86

response 936461

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	124	0
n-Nitrosodimethylamine	0.659	0.699	-	-6.1	20	119	0
Pyridine	1.237	0.692	-	44.1*	20	68	0
2-Fluorophenol	1.032	1.016	-	1.6	20	115	0
Aniline	1.692	1.67	-	1.3	20	114	0
2-Chlorophenol	1.228	1.22	-	0.7	20	118	0
Phenol-d6	1.268	1.281	-	-1	20	117	0
Phenol	1.412	1.396	-	1.1	20	118	0
Bis(2-chloroethyl)ether	1.193	1.123	-	5.9	20	118	0
1,3-Dichlorobenzene	1.558	1.416	-	9.1	20	113	0
1,4-Dichlorobenzene	1.592	1.457	-	8.5	20	114	0
1,2-Dichlorobenzene	1.528	1.43	-	6.4	20	117	0
Benzyl alcohol	0.928	0.94	-	-1.3	20	120	0
Bis(2-chloroisopropyl)ethe	1.867	1.858	-	0.5	20	123	0
2-Methylphenol	1.04	1.058	-	-1.7	20	121	0
Hexachloroethane	0.584	0.539	-	7.7	20	114	0
n-Nitrosodi-n-propylamine	0.823	0.804	-	2.3	20	116	0
3-Methylphenol/4-Methylphe	1.102	1.152	-	-4.5	20	122	0
Nitrobenzene-d5	1.172	1.178	-	-0.5	20	121	0
Nitrobenzene	1.19	1.205	-	-1.3	20	124	0
Isophorone	2.158	2.127	-	1.4	20	118	0
2-Nitrophenol	0.494	0.619	-	-25.3*	20	146	0
2,4-Dimethylphenol	1.154	1.216	-	-5.4	20	124	0
Bis(2-chloroethoxy)methane	1.45	1.451	-	-0.1	20	123	0
2,4-Dichlorophenol	1.111	1.175	-	-5.8	20	122	0
1,2,4-Trichlorobenzene	1.448	1.329	-	8.2	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	1.054	0.954	-	9.5	20	119	0
Benzoic Acid	5	4.118	-	17.6	20	105	0
4-Chloroaniline	0.12	0.113	-	5.8	20	119	0
Hexachlorobutadiene	0.231	0.197	-	14.7	20	115	0
p-Chloro-m-cresol	0.256	0.27	-	-5.5	20	129	0
2-Methylnaphthalene	0.632	0.597	-	5.5	20	121	0
1-Methylnaphthalene	0.24	0.223	-	7.1	20	120	0
Hexachlorocyclopentadiene	0.244	0.236	-	3.3	20	125	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	125	0
2,4,5-Trichlorophenol	0.23	0.254	-	-10.4	20	134	0
2-Fluorobiphenyl	0.872	0.8	-	8.3	20	121	0
2-Chloronaphthalene	0.734	0.687	-	6.4	20	123	0
2-Nitroaniline	0.159	0.189	-	-18.9	20	146	0
1,4-Dinitrobenzene	0.077	0.101	-	-31.2*	20	165	0
1,3-Dinitrobenzene	0.093	0.112	-	-20.4*	20	150	0
Dimethyl phthalate	0.769	0.795	-	-3.4	20	130	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.089	-	1	20	126	0
2,6-Dinitrotoluene	0.131	0.168	-	-28.2*	20	146	0
1,2-Dinitrobenzene	0.06	0.078	-	-30*	20	158	0
IS1_Acenaphthene-d10	1	1	-	0	20	136	0
3-Nitroaniline	0.246	0.303	-	-23.2*	20	151	0
Acenaphthene	1.144	1.06	-	7.3	20	131	0
2,4-Dinitrophenol	5	5.306	-	-6.1	20	164	0
Dibenzofuran	1.834	1.712	-	6.7	20	129	0
2,4-Dinitrotoluene	5	5.411	-	-8.2	20	154	0
4-Nitrophenol	0.185	0.225	-	-21.6*	20	153	0
2,3,5,6-Tetrachlorophenol	0.304	0.338	-	-11.2	20	140	0
2,3,4,6-Tetrachlorophenol	0.3	0.338	-	-12.7	20	142	0
Diethyl phthalate	1.28	1.274	-	0.5	20	133	0
Fluorene	1.409	1.368	-	2.9	20	131	0
4-Chlorophenyl phenyl ethe	0.719	0.665	-	7.5	20	130	0
4-Nitroaniline	0.246	0.294	-	-19.5	20	159	0
4,6-Dinitro-o-cresol	5	6.143	-	-22.9*	20	187	0
NDPA/DPA	1.112	1.112	-	0	20	131	0
Azobenzene	1.133	1.146	-	-1.1	20	134	0
2,4,6-Tribromophenol	0.152	0.171	-	-12.5	20	141	0
4-Bromophenyl phenyl ether	0.383	0.354	-	7.6	20	127	0
Hexachlorobenzene	0.399	0.381	-	4.5	20	134	0
Pentachlorophenol	0.216	0.237	-	-9.7	20	146	0
IS1_Phenanthrene-d10	1	1	-	0	20	149	0
Phenanthrene	1.146	1.048	-	8.6	20	139	0
Anthracene	1.122	1.041	-	7.2	20	138	0
Carbazole	0.975	0.984	-	-0.9	20	143	0
Di-n-butylphthalate	1.07	1.044	-	2.4	20	136	0
Fluoranthene	1.217	1.202	-	1.2	20	142	0
Benzidine	5	4.829	-	3.4	20	147	0
Pyrene	1.292	1.283	-	0.7	20	142	0
4-Terphenyl-d14	0.865	0.85	-	1.7	20	143	0
Butyl benzyl phthalate	5	4.759	-	4.8	20	161	0
IS1_Chrysene-d12	1	1	-	0	20	167	0
Benzo(a)anthracene	1.367	1.29	-	5.6	20	159	0
3,3'-Dichlorobenzidine	0.436	0.436	-	0	20	165	0
Chrysene	1.352	1.234	-	8.7	20	158	0
Bis(2-ethylhexyl)phthalate	5	4.147	-	17.1	20	150	0
Di-n-octylphthalate	5	4.228	-	15.4	20	159	0
Benzo(b)fluoranthene	1.185	1.148	-	3.1	20	166	0
Benzo(k)fluoranthene	1.199	1.178	-	1.8	20	163	0
Benzo(a)pyrene	1.101	1.057	-	4	20	162	0
IS1_Perylene-d12	1	1	-	0	20	181	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV107	Calibration Date : 09/16/25 07:02
Lab File ID : ABN0916	Init. Calib. Date(s) : 08/26/25 08/27/25
Sample No : WG2115301-3	Init. Calib. Times : 18:52 16:37
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.14	-	-2.6	20	175	0
Dibenzo(a,h)anthracene	1.154	1.167	-	-1.1	20	172	0
Benzo(ghi)perylene	1.15	1.159	-	-0.8	20	169	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0916
 Sample No : WG2115301-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:52
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
1,4-Dioxane	0.545	0.496	-	9	20	91	0
n-Decane	1.567	1.423	-	9.2	20	87	0
IS3_Acenaphthene-d10	1	1	-	0	20	95	0
Atrazine	0.33	0.365	-	-10.6	20	103	0
IS3_Phenanthrene-d10	1	1	-	0	20	105	0
n-Octadecane	0.441	0.392	-	11.1	20	90	0
Parathion	5	5.065	-	-1.3	20	121	0
3,3'-Dimethylbenzidine	5	4.241	-	15.2	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90916A
 Sample No : WG2115301-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 08:17
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
Benzaldehyde	0.605	0.676	-	-11.7	20	115	0
Acetophenone	1.796	1.783	-	0.7	20	102	0
m-Toluidine	1.129	1.24	-	-9.8	20	114	0
2-Chloroaniline	1.545	1.593	-	-3.1	20	105	0
IS2_Naphthalene-d8	1	1	-	0	20	106	0
a-Terpineol	0.25	0.259	-	-3.6	20	106	0
3-Chloroaniline	0.117	0.124	-	-6	20	102	0
2,6-Dichlorophenol	0.264	0.308	-	-16.7	20	114	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	115	0
Caprolactam	0.125	0.131	-	-4.8	20	115	0
1,2,4,5-Tetrachlorobenzene	0.415	0.407	-	1.9	20	107	0
Biphenyl	0.948	0.945	-	0.3	20	108	0
IS2_Acenaphthene-d10	1	1	-	0	20	110	0
Dichloran	0.145	0.149	-	-2.8	20	131	0
Pentachloronitrobenzene	0.133	0.159	-	-19.5	20	128	0
IS2_Phenanthrene-d10	1	1	-	0	20	121	0
Diphenamid	0.435	0.444	-	-2.1	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
n-Nitrosodimethylamine	0.66	0.638	-	3.3	20	117	0
Pyridine	1.131	0.712	-	37*	20	74	0
2-Fluorophenol	1.106	1.161	-	-5	20	124	0
Aniline	1.738	1.626	-	6.4	20	109	0
2-Chlorophenol	1.332	1.351	-	-1.4	20	120	0
Phenol-d6	1.318	1.355	-	-2.8	20	123	0
Phenol	1.441	1.371	-	4.9	20	115	0
Bis(2-chloroethyl)ether	1.143	1.093	-	4.4	20	117	0
1,3-Dichlorobenzene	1.598	1.561	-	2.3	20	119	0
1,4-Dichlorobenzene	1.634	1.607	-	1.7	20	121	0
1,2-Dichlorobenzene	1.572	1.532	-	2.5	20	121	0
Benzyl alcohol	0.964	0.925	-	4	20	116	0
Bis(2-chloroisopropyl)ethe	1.867	1.756	-	5.9	20	115	0
2-Methylphenol	1.104	1.097	-	0.6	20	119	0
Hexachloroethane	0.602	0.61	-	-1.3	20	121	0
n-Nitrosodi-n-propylamine	0.815	0.804	-	1.3	20	117	0
3-Methylphenol/4-Methylphe	1.207	1.177	-	2.5	20	118	0
Nitrobenzene-d5	1.226	1.242	-	-1.3	20	121	0
Nitrobenzene	1.26	1.251	-	0.7	20	118	0
Isophorone	2.296	2.198	-	4.3	20	114	0
2-Nitrophenol	0.64	0.694	-	-8.4	20	128	0
2,4-Dimethylphenol	1.271	1.264	-	0.6	20	116	0
Bis(2-chloroethoxy)methane	1.546	1.501	-	2.9	20	118	0
2,4-Dichlorophenol	1.17	1.185	-	-1.3	20	118	0
1,2,4-Trichlorobenzene	1.374	1.358	-	1.2	20	121	0
IS1_Naphthalene-d8	1	1	-	0	20	122	0
Naphthalene	1.082	1.044	-	3.5	20	118	0
Benzoic Acid	5	3.799	-	24*	20	103	0
4-Chloroaniline	0.117	0.109	-	6.8	20	109	0
Hexachlorobutadiene	0.2	0.201	-	-0.5	20	122	0
p-Chloro-m-cresol	0.284	0.276	-	2.8	20	116	0
2-Methylnaphthalene	0.641	0.634	-	1.1	20	122	0
1-Methylnaphthalene	0.227	0.223	-	1.8	20	122	0
Hexachlorocyclopentadiene	0.254	0.256	-	-0.8	20	121	0
2,4,6-Trichlorophenol	0.213	0.22	-	-3.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.251	-	-5	20	121	0
2-Fluorobiphenyl	0.821	0.804	-	2.1	20	121	0
2-Chloronaphthalene	0.727	0.702	-	3.4	20	119	0
2-Nitroaniline	0.206	0.221	-	-7.3	20	120	0
1,4-Dinitrobenzene	0.097	0.098	-	-1	20	118	0
1,3-Dinitrobenzene	0.112	0.114	-	-1.8	20	116	0
Dimethyl phthalate	0.857	0.822	-	4.1	20	115	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.157	-	1.1	20	116	0
2,6-Dinitrotoluene	0.167	0.177	-	-6	20	123	0
1,2-Dinitrobenzene	0.073	0.074	-	-1.4	20	114	0
IS1_Acenaphthene-d10	1	1	-	0	20	125	0
3-Nitroaniline	0.342	0.345	-	-0.9	20	118	0
Acenaphthene	1.136	1.055	-	7.1	20	118	0
2,4-Dinitrophenol	0.166	0.119	-	28.3*	20	95	0
Dibenzofuran	1.844	1.721	-	6.7	20	119	0
2,4-Dinitrotoluene	0.385	0.399	-	-3.6	20	117	0
4-Nitrophenol	0.238	0.248	-	-4.2	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.342	-	-0.6	20	117	0
2,3,4,6-Tetrachlorophenol	0.33	0.342	-	-3.6	20	117	0
Diethyl phthalate	1.516	1.384	-	8.7	20	113	0
Fluorene	1.447	1.31	-	9.5	20	115	0
4-Chlorophenyl phenyl ethe	0.688	0.639	-	7.1	20	117	0
4-Nitroaniline	0.337	0.338	-	-0.3	20	116	0
4,6-Dinitro-o-cresol	0.214	0.199	-	7	20	114	0
NDPA/DPA	1.209	1.153	-	4.6	20	117	0
Azobenzene	1.272	1.187	-	6.7	20	113	0
2,4,6-Tribromophenol	0.194	0.204	-	-5.2	20	128	0
4-Bromophenyl phenyl ether	0.424	0.399	-	5.9	20	121	0
Hexachlorobenzene	0.475	0.451	-	5.1	20	123	0
Pentachlorophenol	0.28	0.239	-	14.6	20	109	0
IS1_Phenanthrene-d10	1	1	-	0	20	126	0
Phenanthrene	1.202	1.076	-	10.5	20	116	0
Anthracene	1.178	1.095	-	7	20	117	0
Carbazole	1.081	1.02	-	5.6	20	115	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	119	0
Fluoranthene	1.296	1.224	-	5.6	20	118	0
Benzidine	0.831	0.838	-	-0.8	20	126	0
Pyrene	1.383	1.319	-	4.6	20	119	0
4-Terphenyl-d14	0.982	0.936	-	4.7	20	123	0
Butyl benzyl phthalate	0.529	0.571	-	-7.9	20	128	0
IS1_Chrysene-d12	1	1	-	0	20	129	0
Benzo(a)anthracene	1.349	1.235	-	8.5	20	121	0
3,3'-Dichlorobenzidine	0.464	0.498	-	-7.3	20	130	0
Chrysene	1.336	1.194	-	10.6	20	120	0
Bis(2-ethylhexyl)phthalate	0.846	0.886	-	-4.7	20	126	0
Di-n-octylphthalate	1.419	1.462	-	-3	20	130	0
Benzo(b)fluoranthene	1.278	1.219	-	4.6	20	126	0
Benzo(k)fluoranthene	1.303	1.236	-	5.1	20	119	0
Benzo(a)pyrene	1.197	1.178	-	1.6	20	124	0
IS1_Perylene-d12	1	1	-	0	20	131	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ABN0917
Sample No : WG2116036-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/17/25 09:51
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.067	-	6.5	20	121	0
Dibenzo(a,h)anthracene	1.181	1.118	-	5.3	20	122	0
Benzo(ghi)perylene	1.164	1.085	-	6.8	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90917
 Sample No : WG2116036-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:13
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
Benzaldehyde	0.645	0.553	-	14.3	20	107	0
Acetophenone	1.905	1.537	-	19.3	20	101	0
m-Toluidine	1.123	1.012	-	9.9	20	103	0
2-Chloroaniline	1.724	1.451	-	15.8	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	122	0
a-Terpineol	0.267	0.217	-	18.7	20	99	0
3-Chloroaniline	0.114	0.097	-	14.9	20	96	0
2,6-Dichlorophenol	0.285	0.255	-	10.5	20	107	0
1-chloro-2-nitrobenzene	0.135	0.119	-	11.9	20	107	0
Caprolactam	0.142	0.119	-	16.2	20	98	0
1,2,4,5-Tetrachlorobenzene	0.373	0.3	-	19.6	20	100	0
Biphenyl	0.931	0.735	-	21.1*	20	99	0
IS2_Acenaphthene-d10	1	1	-	0	20	122	0
Dichloran	0.158	0.129	-	18.4	20	98	0
Pentachloronitrobenzene	0.154	0.133	-	13.6	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	119	0
Diphenamid	0.487	0.403	-	17.2	20	94	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ADP0917
Sample No : WG2116036-5
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/17/25 10:34
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
1,4-Dioxane	0.477	0.433	-	9.2	20	118	0
n-Decane	1.449	1.281	-	11.6	20	111	0
IS3_Acenaphthene-d10	1	1	-	0	20	125	0
Atrazine	0.372	0.371	-	0.3	20	123	0
IS3_Phenanthrene-d10	1	1	-	0	20	125	0
n-Octadecane	0.48	0.416	-	13.3	20	106	0
Parathion	5	4.144	-	17.1	20	119	0
3,3'-Dimethylbenzidine	5	4.075	-	18.5	20	101	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	135	0
n-Nitrosodimethylamine	0.594	0.581	-	2.2	20	133	0
Pyridine	5	4.372	-	12.6	20	139	0
2-Fluorophenol	0.881	0.967	-	-9.8	20	145	0
Aniline	1.484	1.494	-	-0.7	20	132	0
2-Chlorophenol	1.075	1.163	-	-8.2	20	146	0
Phenol-d6	1.175	1.279	-	-8.9	20	152	0
Phenol	1.351	1.313	-	2.8	20	131	0
Bis(2-chloroethyl)ether	0.968	0.948	-	2.1	20	137	0
1,3-Dichlorobenzene	1.515	1.415	-	6.6	20	131	0
1,4-Dichlorobenzene	1.532	1.444	-	5.7	20	130	0
1,2-Dichlorobenzene	1.467	1.458	-	0.6	20	136	0
Benzyl alcohol	0.829	0.931	-	-12.3	20	152	0
Bis(2-chloroisopropyl)ethe	1.724	1.349	-	21.8*	20	110	0
2-Methylphenol	0.915	0.985	-	-7.7	20	142	0
Hexachloroethane	0.539	0.504	-	6.5	20	131	0
n-Nitrosodi-n-propylamine	0.797	0.804	-	-0.9	20	139	0
3-Methylphenol/4-Methylphe	1.028	1.089	-	-5.9	20	147	0
Nitrobenzene-d5	1.117	1.136	-	-1.7	20	137	0
Nitrobenzene	1.128	1.171	-	-3.8	20	136	0
Isophorone	2.059	2.106	-	-2.3	20	135	0
2-Nitrophenol	0.53	0.609	-	-14.9	20	162	0
2,4-Dimethylphenol	1.061	1.17	-	-10.3	20	144	0
Bis(2-chloroethoxy)methane	1.369	1.283	-	6.3	20	128	0
2,4-Dichlorophenol	1.189	1.289	-	-8.4	20	150	0
1,2,4-Trichlorobenzene	1.494	1.478	-	1.1	20	134	0
IS1_Naphthalene-d8	1	1	-	0	20	139	0
Naphthalene	0.993	0.985	-	0.8	20	142	0
Benzoic Acid	5	8.053	-	-61.1*	20	283	0
4-Chloroaniline	0.127	0.109	-	14.2	20	129	0
Hexachlorobutadiene	0.27	0.221	-	18.1	20	118	0
p-Chloro-m-cresol	0.263	0.288	-	-9.5	20	154	0
2-Methylnaphthalene	0.656	0.673	-	-2.6	20	145	0
1-Methylnaphthalene	0.245	0.238	-	2.9	20	144	0
Hexachlorocyclopentadiene	0.306	0.291	-	4.9	20	129	0
2,4,6-Trichlorophenol	0.28	0.279	-	0.4	20	139	0
2,4,5-Trichlorophenol	0.31	0.341	-	-10	20	149	0
2-Fluorobiphenyl	0.987	0.947	-	4.1	20	136	0
2-Chloronaphthalene	0.81	0.81	-	0	20	141	0
2-Nitroaniline	0.204	0.233	-	-14.2	20	162	0
1,4-Dinitrobenzene	0.103	0.114	-	-10.7	20	156	0
1,3-Dinitrobenzene	0.117	0.128	-	-9.4	20	148	0
Dimethyl phthalate	1.014	0.999	-	1.5	20	136	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.314	-	-3.8	20	141	0
2,6-Dinitrotoluene	0.199	0.203	-	-2	20	144	0
1,2-Dinitrobenzene	0.074	0.076	-	-2.7	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	138	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	153	0
Acenaphthene	1.035	0.972	-	6.1	20	139	0
2,4-Dinitrophenol	0.158	0.137	-	13.3	20	128	0
Dibenzofuran	1.815	1.719	-	5.3	20	140	0
2,4-Dinitrotoluene	0.369	0.392	-	-6.2	20	145	0
4-Nitrophenol	0.204	0.219	-	-7.4	20	149	0
2,3,5,6-Tetrachlorophenol	0.37	0.42	-	-13.5	20	157	0
2,3,4,6-Tetrachlorophenol	0.387	0.397	-	-2.6	20	146	0
Diethyl phthalate	1.394	1.388	-	0.4	20	140	0
Fluorene	1.408	1.383	-	1.8	20	144	0
4-Chlorophenyl phenyl ethe	0.76	0.694	-	8.7	20	131	0
4-Nitroaniline	0.27	0.308	-	-14.1	20	159	0
4,6-Dinitro-o-cresol	0.236	0.231	-	2.1	20	141	0
NDPA/DPA	1.224	1.243	-	-1.6	20	146	0
Azobenzene	1.155	1.104	-	4.4	20	133	0
2,4,6-Tribromophenol	0.229	0.286	-	-24.9*	20	185	0
4-Bromophenyl phenyl ether	0.488	0.436	-	10.7	20	136	0
Hexachlorobenzene	0.564	0.548	-	2.8	20	143	0
Pentachlorophenol	0.306	0.338	-	-10.5	20	159	0
IS1_Phenanthrene-d10	1	1	-	0	20	140	0
Phenanthrene	1.097	1.023	-	6.7	20	140	0
Anthracene	1.058	1.024	-	3.2	20	140	0
Carbazole	0.981	0.972	-	0.9	20	143	0
Di-n-butylphthalate	1.04	1.069	-	-2.8	20	141	0
Fluoranthene	1.319	1.27	-	3.7	20	138	0
Benzidine	0.744	0.863	-	-16	20	164	0
Pyrene	1.411	1.339	-	5.1	20	135	0
4-Terphenyl-d14	1.035	0.972	-	6.1	20	133	0
Butyl benzyl phthalate	0.461	0.484	-	-5	20	152	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.167	-	4	20	129	0
3,3'-Dichlorobenzidine	0.438	0.518	-	-18.3	20	149	0
Chrysene	1.234	1.188	-	3.7	20	134	0
Bis(2-ethylhexyl)phthalate	0.579	0.7	-	-20.9*	20	141	0
Di-n-octylphthalate	1.024	1.181	-	-15.3	20	145	0
Benzo(b)fluoranthene	1.227	1.307	-	-6.5	20	142	0
Benzo(k)fluoranthene	1.227	1.307	-	-6.5	20	138	0
Benzo(a)pyrene	1.119	1.28	-	-14.4	20	147	0
IS1_Perylene-d12	1	1	-	0	20	139	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Calibration Date : 09/17/25 10:42
Lab File ID : ABN0917	Init. Calib. Date(s) : 08/20/25 08/20/25
Sample No : WG2116041-3	Init. Calib. Times : 12:47 23:44
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.144	-	-2	20	144	0
Dibenzo(a,h)anthracene	1.132	1.16	-	-2.5	20	145	0
Benzo(ghi)perylene	1.145	1.14	-	0.4	20	143	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90917
 Sample No : WG2116041-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 11:05
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	133	0
Benzaldehyde	0.534	0.502	-	6	20	136	0
Acetophenone	1.663	1.348	-	18.9	20	118	0
m-Toluidine	0.957	0.942	-	1.6	20	131	0
2-Chloroaniline	1.447	1.328	-	8.2	20	126	0
IS2_Naphthalene-d8	1	1	-	0	20	141	0
a-Terpineol	0.245	0.191	-	22*	20	116	0
3-Chloroaniline	0.122	0.099	-	18.9	20	121	0
2,6-Dichlorophenol	0.33	0.301	-	8.8	20	134	0
1-chloro-2-nitrobenzene	0.135	0.114	-	15.6	20	125	0
Caprolactam	0.128	0.101	-	21.1*	20	118	0
1,2,4,5-Tetrachlorobenzene	0.495	0.377	-	23.8*	20	115	0
Biphenyl	1.02	0.84	-	17.6	20	124	0
IS2_Acenaphthene-d10	1	1	-	0	20	142	0
Dichloran	0.199	0.145	-	27.1*	20	118	0
Pentachloronitrobenzene	0.197	0.151	-	23.4*	20	117	0
IS2_Phenanthrene-d10	1	1	-	0	20	144	0
Diphenamid	0.486	0.4	-	17.7	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ADP0917
 Sample No : WG2116041-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 11:27
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	134	0
1,4-Dioxane	0.411	0.375	-	8.8	20	125	0
n-Decane	1.27	0.912	-	28.2*	20	102	0
IS3_Acenaphthene-d10	1	1	-	0	20	146	0
Atrazine	0.486	0.418	-	14	20	132	0
IS3_Phenanthrene-d10	1	1	-	0	20	148	0
n-Octadecane	0.368	0.268	-	27.2*	20	114	0
Parathion	5	4.91	-	1.8	20	144	0
3,3'-Dimethylbenzidine	5	3.277	-	34.5*	20	99	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
n-Nitrosodimethylamine	0.66	0.8	-	-21.2*	20	133	0
Pyridine	1.131	0.872	-	22.9*	20	82	0
2-Fluorophenol	1.106	1.244	-	-12.5	20	120	0
Aniline	1.738	1.633	-	6	20	99	0
2-Chlorophenol	1.332	1.386	-	-4.1	20	111	0
Phenol-d6	1.318	1.377	-	-4.5	20	113	0
Phenol	1.441	1.406	-	2.4	20	107	0
Bis(2-chloroethyl)ether	1.143	1.104	-	3.4	20	106	0
1,3-Dichlorobenzene	1.598	1.574	-	1.5	20	108	0
1,4-Dichlorobenzene	1.634	1.577	-	3.5	20	107	0
1,2-Dichlorobenzene	1.572	1.527	-	2.9	20	108	0
Benzyl alcohol	0.964	0.913	-	5.3	20	103	0
Bis(2-chloroisopropyl)ethe	1.867	1.527	-	18.2	20	90	0
2-Methylphenol	1.104	1.083	-	1.9	20	106	0
Hexachloroethane	0.602	0.581	-	3.5	20	104	0
n-Nitrosodi-n-propylamine	0.815	0.734	-	9.9	20	96	0
3-Methylphenol/4-Methylphe	1.207	1.129	-	6.5	20	102	0
Nitrobenzene-d5	1.226	1.172	-	4.4	20	103	0
Nitrobenzene	1.26	1.161	-	7.9	20	99	0
Isophorone	2.296	2.205	-	4	20	104	0
2-Nitrophenol	0.64	0.742	-	-15.9	20	124	0
2,4-Dimethylphenol	1.271	1.332	-	-4.8	20	110	0
Bis(2-chloroethoxy)methane	1.546	1.517	-	1.9	20	108	0
2,4-Dichlorophenol	1.17	1.274	-	-8.9	20	115	0
1,2,4-Trichlorobenzene	1.374	1.414	-	-2.9	20	114	0
IS1_Naphthalene-d8	1	1	-	0	20	114	0
Naphthalene	1.082	1.021	-	5.6	20	108	0
Benzoic Acid	5	3.814	-	23.7*	20	97	0
4-Chloroaniline	0.117	0.105	-	10.3	20	97	0
Hexachlorobutadiene	0.2	0.205	-	-2.5	20	116	0
p-Chloro-m-cresol	0.284	0.292	-	-2.8	20	115	0
2-Methylnaphthalene	0.641	0.661	-	-3.1	20	119	0
1-Methylnaphthalene	0.227	0.228	-	-0.4	20	116	0
Hexachlorocyclopentadiene	0.254	0.278	-	-9.4	20	123	0
2,4,6-Trichlorophenol	0.213	0.237	-	-11.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.273	-	-14.2	20	123	0
2-Fluorobiphenyl	0.821	0.835	-	-1.7	20	117	0
2-Chloronaphthalene	0.727	0.738	-	-1.5	20	116	0
2-Nitroaniline	0.206	0.234	-	-13.6	20	119	0
1,4-Dinitrobenzene	0.097	0.107	-	-10.3	20	120	0
1,3-Dinitrobenzene	0.112	0.125	-	-11.6	20	119	0
Dimethyl phthalate	0.857	0.884	-	-3.2	20	116	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.213	-	-3.7	20	114	0
2,6-Dinitrotoluene	0.167	0.185	-	-10.8	20	120	0
1,2-Dinitrobenzene	0.073	0.081	-	-11	20	117	0
IS1_Acenaphthene-d10	1	1	-	0	20	121	0
3-Nitroaniline	0.342	0.341	-	0.3	20	114	0
Acenaphthene	1.136	1.069	-	5.9	20	116	0
2,4-Dinitrophenol	0.166	0.15	-	9.6	20	115	0
Dibenzofuran	1.844	1.734	-	6	20	116	0
2,4-Dinitrotoluene	0.385	0.411	-	-6.8	20	117	0
4-Nitrophenol	0.238	0.256	-	-7.6	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.362	-	-6.5	20	120	0
2,3,4,6-Tetrachlorophenol	0.33	0.35	-	-6.1	20	116	0
Diethyl phthalate	1.516	1.437	-	5.2	20	114	0
Fluorene	1.447	1.338	-	7.5	20	114	0
4-Chlorophenyl phenyl ethe	0.688	0.66	-	4.1	20	117	0
4-Nitroaniline	0.337	0.34	-	-0.9	20	113	0
4,6-Dinitro-o-cresol	0.214	0.234	-	-9.3	20	130	0
NDPA/DPA	1.209	1.152	-	4.7	20	113	0
Azobenzene	1.272	1.181	-	7.2	20	109	0
2,4,6-Tribromophenol	0.194	0.212	-	-9.3	20	129	0
4-Bromophenyl phenyl ether	0.424	0.4	-	5.7	20	118	0
Hexachlorobenzene	0.475	0.454	-	4.4	20	120	0
Pentachlorophenol	0.28	0.249	-	11.1	20	110	0
IS1_Phenanthrene-d10	1	1	-	0	20	124	0
Phenanthrene	1.202	1.074	-	10.6	20	114	0
Anthracene	1.178	1.096	-	7	20	115	0
Carbazole	1.081	1.014	-	6.2	20	112	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	117	0
Fluoranthene	1.296	1.221	-	5.8	20	116	0
Benzidine	0.831	0.817	-	1.7	20	121	0
Pyrene	1.383	1.316	-	4.8	20	117	0
4-Terphenyl-d14	0.982	0.938	-	4.5	20	121	0
Butyl benzyl phthalate	0.529	0.561	-	-6	20	123	0
IS1_Chrysene-d12	1	1	-	0	20	125	0
Benzo(a)anthracene	1.349	1.25	-	7.3	20	119	0
3,3'-Dichlorobenzidine	0.464	0.508	-	-9.5	20	129	0
Chrysene	1.336	1.2	-	10.2	20	117	0
Bis(2-ethylhexyl)phthalate	0.846	0.865	-	-2.2	20	120	0
Di-n-octylphthalate	1.419	1.473	-	-3.8	20	127	0
Benzo(b)fluoranthene	1.278	1.279	-	-0.1	20	129	0
Benzo(k)fluoranthene	1.303	1.202	-	7.8	20	113	0
Benzo(a)pyrene	1.197	1.189	-	0.7	20	121	0
IS1_Perylene-d12	1	1	-	0	20	130	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ABN0918
Sample No : WG2116472-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/18/25 07:46
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.09	-	4.5	20	123	0
Dibenzo(a,h)anthracene	1.181	1.14	-	3.5	20	124	0
Benzo(ghi)perylene	1.164	1.093	-	6.1	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90918
 Sample No : WG2116472-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 08:07
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	119	0
Benzaldehyde	0.645	0.577	-	10.5	20	109	0
Acetophenone	1.905	1.506	-	20.9*	20	96	0
m-Toluidine	1.123	1.023	-	8.9	20	101	0
2-Chloroaniline	1.724	1.445	-	16.2	20	98	0
IS2_Naphthalene-d8	1	1	-	0	20	120	0
a-Terpineol	0.267	0.21	-	21.3*	20	94	0
3-Chloroaniline	0.114	0.098	-	14	20	95	0
2,6-Dichlorophenol	0.285	0.252	-	11.6	20	104	0
1-chloro-2-nitrobenzene	0.135	0.121	-	10.4	20	106	0
Caprolactam	0.142	0.115	-	19	20	93	0
1,2,4,5-Tetrachlorobenzene	0.373	0.315	-	15.5	20	104	0
Biphenyl	0.931	0.74	-	20.5*	20	98	0
IS2_Acenaphthene-d10	1	1	-	0	20	121	0
Dichloran	0.158	0.147	-	7	20	111	0
Pentachloronitrobenzene	0.154	0.147	-	4.5	20	109	0
IS2_Phenanthrene-d10	1	1	-	0	20	122	0
Diphenamid	0.487	0.42	-	13.8	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ADP0918
 Sample No : WG2116472-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 08:29
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	126	0
1,4-Dioxane	0.477	0.416	-	12.8	20	116	0
n-Decane	1.449	1.28	-	11.7	20	113	0
IS3_Acenaphthene-d10	1	1	-	0	20	128	0
Atrazine	0.372	0.384	-	-3.2	20	131	0
IS3_Phenanthrene-d10	1	1	-	0	20	130	0
n-Octadecane	0.48	0.426	-	11.2	20	113	0
Parathion	5	4.37	-	12.6	20	132	0
3,3'-Dimethylbenzidine	5	3.904	-	21.9*	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
n-Nitrosodimethylamine	0.792	0.687	-	13.3	20	83	0
Pyridine	1.349	0.723	-	46.4*	20	55	0
2-Fluorophenol	1.105	1.046	-	5.3	20	89	0
Aniline	5	3.882	-	22.4*	20	83	0
2-Chlorophenol	1.287	1.18	-	8.3	20	85	0
Phenol-d6	1.428	1.281	-	10.3	20	83	0
Phenol	1.581	1.444	-	8.7	20	87	0
Bis(2-chloroethyl)ether	1.319	1.125	-	14.7	20	84	0
1,3-Dichlorobenzene	1.573	1.402	-	10.9	20	88	0
1,4-Dichlorobenzene	1.611	1.427	-	11.4	20	87	0
1,2-Dichlorobenzene	1.557	1.381	-	11.3	20	87	0
Benzyl alcohol	1.122	0.955	-	14.9	20	82	0
Bis(2-chloroisopropyl)ethe	2.148	1.727	-	19.6	20	78	0
2-Methylphenol	1.155	1.052	-	8.9	20	85	0
Hexachloroethane	0.596	0.511	-	14.3	20	84	0
n-Nitrosodi-n-propylamine	1.032	0.807	-	21.8*	20	75	0
3-Methylphenol/4-Methylphe	1.27	1.141	-	10.2	20	86	0
Nitrobenzene-d5	1.354	1.239	-	8.5	20	86	0
Nitrobenzene	1.405	1.24	-	11.7	20	84	0
Isophorone	2.849	2.221	-	22*	20	73	0
2-Nitrophenol	5	4.382	-	12.4	20	100	0
2,4-Dimethylphenol	1.51	1.236	-	18.1	20	80	0
Bis(2-chloroethoxy)methane	1.807	1.522	-	15.8	20	80	0
2,4-Dichlorophenol	1.335	1.192	-	10.7	20	86	0
1,2,4-Trichlorobenzene	1.539	1.35	-	12.3	20	87	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.063	0.98	-	7.8	20	85	0
Benzoic Acid	5	3.085	-	38.3*	20	48	0
4-Chloroaniline	0.144	0.127	-	11.8	20	79	0
Hexachlorobutadiene	0.253	0.232	-	8.3	20	85	0
p-Chloro-m-cresol	0.329	0.283	-	14	20	76	0
2-Methylnaphthalene	0.674	0.628	-	6.8	20	85	0
1-Methylnaphthalene	0.269	0.228	-	15.2	20	79	0
Hexachlorocyclopentadiene	5	4.52	-	9.6	20	90	0
2,4,6-Trichlorophenol	5	4.244	-	15.1	20	86	0
2,4,5-Trichlorophenol	5	4.237	-	15.3	20	80	0
2-Fluorobiphenyl	0.927	0.839	-	9.5	20	80	0
2-Chloronaphthalene	0.786	0.715	-	9	20	82	0
2-Nitroaniline	5	4.043	-	19.1	20	85	0
1,4-Dinitrobenzene	0.128	0.106	-	17.2	20	85	0
1,3-Dinitrobenzene	0.145	0.125	-	13.8	20	89	0
Dimethyl phthalate	0.996	0.9	-	9.6	20	78	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.282	1.189	-	7.3	20	79	0
2,6-Dinitrotoluene	5	4.107	-	17.9	20	82	0
1,2-Dinitrobenzene	0.094	0.084	-	10.6	20	90	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	5	4.254	-	14.9	20	80	0
Acenaphthene	1.102	1.024	-	7.1	20	81	0
2,4-Dinitrophenol	5	3.852	-	23*	20	72	0
Dibenzofuran	1.833	1.733	-	5.5	20	80	0
2,4-Dinitrotoluene	5	4.624	-	7.5	20	88	0
4-Nitrophenol	5	4.252	-	15	20	76	0
2,3,5,6-Tetrachlorophenol	5	4.361	-	12.8	20	82	0
2,3,4,6-Tetrachlorophenol	5	4.288	-	14.2	20	78	0
Diethyl phthalate	1.565	1.414	-	9.6	20	75	0
Fluorene	1.489	1.373	-	7.8	20	78	0
4-Chlorophenyl phenyl ethe	0.783	0.711	-	9.2	20	80	0
4-Nitroaniline	5	4.242	-	15.2	20	78	0
4,6-Dinitro-o-cresol	5	4.413	-	11.7	20	85	0
NDPA/DPA	1.246	1.19	-	4.5	20	80	0
Azobenzene	1.371	1.235	-	9.9	20	72	0
2,4,6-Tribromophenol	0.254	0.244	-	3.9	20	83	0
4-Bromophenyl phenyl ether	0.512	0.46	-	10.2	20	77	0
Hexachlorobenzene	0.607	0.541	-	10.9	20	79	0
Pentachlorophenol	5	4.673	-	6.5	20	91	0
IS1_Phenanthrene-d10	1	1	-	0	20	92	0
Phenanthrene	1.099	1.039	-	5.5	20	80	0
Anthracene	1.091	1.061	-	2.7	20	80	0
Carbazole	0.993	0.963	-	3	20	78	0
Di-n-butylphthalate	1.164	1.109	-	4.7	20	75	0
Fluoranthene	1.329	1.263	-	5	20	77	0
Benzidine	5	4.422	-	11.6	20	77	0
Pyrene	1.367	1.336	-	2.3	20	78	0
4-Terphenyl-d14	1.068	1.018	-	4.7	20	79	0
Butyl benzyl phthalate	5	4.323	-	13.5	20	80	0
IS1_Chrysene-d12	1	1	-	0	20	93	0
Benzo(a)anthracene	1.308	1.21	-	7.5	20	79	0
3,3'-Dichlorobenzidine	0.473	0.447	-	5.5	20	75	0
Chrysene	1.216	1.17	-	3.8	20	80	0
Bis(2-ethylhexyl)phthalate	5	4.21	-	15.8	20	76	0
Di-n-octylphthalate	5	3.913	-	21.7*	20	76	0
Benzo(b)fluoranthene	1.283	1.311	-	-2.2	20	88	0
Benzo(k)fluoranthene	1.251	1.105	-	11.7	20	70	0
Benzo(a)pyrene	1.188	1.116	-	6.1	20	77	0
IS1_Perylene-d12	1	1	-	0	20	93	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV112
Lab File ID : ABN0928
Sample No : WG2120745-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 17:46
Init. Calib. Date(s) : 08/17/25 08/18/25
Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.105	1.13	-	-2.3	20	84	0
Dibenzo(a,h)anthracene	1.064	1.082	-	-1.7	20	82	0
Benzo(ghi)perylene	1.105	1.085	-	1.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : AP90928
 Sample No : WG2120745-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:09
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
Benzaldehyde	0.597	0.984	-	-64.8*	20	163	0
Acetophenone	1.98	1.731	-	12.6	20	86	0
m-Toluidine	1.191	1.473	-	-23.7*	20	115	0
2-Chloroaniline	1.688	1.55	-	8.2	20	88	0
IS2_Naphthalene-d8	1	1	-	0	20	89	0
a-Terpineol	0.298	0.305	-	-2.3	20	94	0
3-Chloroaniline	0.138	0.151	-	-9.4	20	99	0
2,6-Dichlorophenol	0.282	0.319	-	-13.1	20	99	0
1-chloro-2-nitrobenzene	0.137	0.141	-	-2.9	20	93	0
Caprolactam	0.177	0.153	-	13.6	20	79	0
1,2,4,5-Tetrachlorobenzene	0.443	0.425	-	4.1	20	89	0
Biphenyl	0.978	0.915	-	6.4	20	87	0
IS2_Acenaphthene-d10	1	1	-	0	20	86	0
Dichloran	0.179	0.192	-	-7.3	20	99	0
Pentachloronitrobenzene	0.205	0.208	-	-1.5	20	92	0
IS2_Phenanthrene-d10	1	1	-	0	20	86	0
Diphenamid	0.494	0.478	-	3.2	20	85	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ADP0928
 Sample No : WG2120745-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:31
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	105	0
1,4-Dioxane	0.546	0.465	-	14.8	20	97	0
n-Decane	1.602	1.494	-	6.7	20	99	0
IS3_Acenaphthene-d10	1	1	-	0	20	88	0
Atrazine	0.463	0.429	-	7.3	20	80	0
IS3_Phenanthrene-d10	1	1	-	0	20	84	0
n-Octadecane	0.496	0.435	-	12.3	20	74	0
Parathion	0.106	0.091	-	14.2	20	77	0
3,3'-Dimethylbenzidine	0.737	0.592	-	19.7	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	128	0
n-Nitrosodimethylamine	0.594	0.512	-	13.8	20	111	0
Pyridine	5	3.261	-	34.8*	20	97	0
2-Fluorophenol	0.881	0.827	-	6.1	20	118	0
Aniline	1.484	1.336	-	10	20	112	0
2-Chlorophenol	1.075	1.088	-	-1.2	20	129	0
Phenol-d6	1.175	1.084	-	7.7	20	122	0
Phenol	1.351	1.181	-	12.6	20	112	0
Bis(2-chloroethyl)ether	0.968	0.811	-	16.2	20	111	0
1,3-Dichlorobenzene	1.515	1.373	-	9.4	20	120	0
1,4-Dichlorobenzene	1.532	1.408	-	8.1	20	120	0
1,2-Dichlorobenzene	1.467	1.396	-	4.8	20	123	0
Benzyl alcohol	0.829	0.838	-	-1.1	20	130	0
Bis(2-chloroisopropyl)ethe	1.724	1.05	-	39.1*	20	81	0
2-Methylphenol	0.915	0.908	-	0.8	20	125	0
Hexachloroethane	0.539	0.502	-	6.9	20	124	0
n-Nitrosodi-n-propylamine	0.797	0.735	-	7.8	20	120	0
3-Methylphenol/4-Methylphe	1.028	1.003	-	2.4	20	129	0
Nitrobenzene-d5	1.117	1.094	-	2.1	20	125	0
Nitrobenzene	1.128	1.053	-	6.6	20	116	0
Isophorone	2.059	1.916	-	6.9	20	117	0
2-Nitrophenol	0.53	0.633	-	-19.4	20	160	0
2,4-Dimethylphenol	1.061	1.136	-	-7.1	20	133	0
Bis(2-chloroethoxy)methane	1.369	1.153	-	15.8	20	110	0
2,4-Dichlorophenol	1.189	1.272	-	-7	20	141	0
1,2,4-Trichlorobenzene	1.494	1.504	-	-0.7	20	130	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	0.993	0.934	-	5.9	20	125	0
Benzoic Acid	5	5.504	-	-10.1	20	170	0
4-Chloroaniline	0.127	0.103	-	18.9	20	113	0
Hexachlorobutadiene	0.27	0.246	-	8.9	20	122	0
p-Chloro-m-cresol	0.263	0.267	-	-1.5	20	133	0
2-Methylnaphthalene	0.656	0.659	-	-0.5	20	132	0
1-Methylnaphthalene	0.245	0.24	-	2	20	135	0
Hexachlorocyclopentadiene	0.306	0.327	-	-6.9	20	135	0
2,4,6-Trichlorophenol	0.28	0.302	-	-7.9	20	140	0
2,4,5-Trichlorophenol	0.31	0.333	-	-7.4	20	136	0
2-Fluorobiphenyl	0.987	0.943	-	4.5	20	126	0
2-Chloronaphthalene	0.81	0.817	-	-0.9	20	132	0
2-Nitroaniline	0.204	0.226	-	-10.8	20	146	0
1,4-Dinitrobenzene	0.103	0.119	-	-15.5	20	151	0
1,3-Dinitrobenzene	0.117	0.135	-	-15.4	20	145	0
Dimethyl phthalate	1.014	1.016	-	-0.2	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.291	-	-2	20	129	0
2,6-Dinitrotoluene	0.199	0.21	-	-5.5	20	138	0
1,2-Dinitrobenzene	0.074	0.082	-	-10.8	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	128	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	142	0
Acenaphthene	1.035	0.964	-	6.9	20	128	0
2,4-Dinitrophenol	0.158	0.172	-	-8.9	20	149	0
Dibenzofuran	1.815	1.71	-	5.8	20	128	0
2,4-Dinitrotoluene	0.369	0.418	-	-13.3	20	143	0
4-Nitrophenol	0.204	0.244	-	-19.6	20	154	0
2,3,5,6-Tetrachlorophenol	0.37	0.41	-	-10.8	20	142	0
2,3,4,6-Tetrachlorophenol	0.387	0.406	-	-4.9	20	138	0
Diethyl phthalate	1.394	1.394	-	0	20	130	0
Fluorene	1.408	1.398	-	0.7	20	134	0
4-Chlorophenyl phenyl ethe	0.76	0.71	-	6.6	20	124	0
4-Nitroaniline	0.27	0.307	-	-13.7	20	147	0
4,6-Dinitro-o-cresol	0.236	0.27	-	-14.4	20	152	0
NDPA/DPA	1.224	1.207	-	1.4	20	131	0
Azobenzene	1.155	1.03	-	10.8	20	115	0
2,4,6-Tribromophenol	0.229	0.302	-	-31.9*	20	181	0
4-Bromophenyl phenyl ether	0.488	0.457	-	6.4	20	132	0
Hexachlorobenzene	0.564	0.586	-	-3.9	20	142	0
Pentachlorophenol	0.306	0.362	-	-18.3	20	158	0
IS1_Phenanthrene-d10	1	1	-	0	20	132	0
Phenanthrene	1.097	1.005	-	8.4	20	130	0
Anthracene	1.058	1.031	-	2.6	20	133	0
Carbazole	0.981	0.962	-	1.9	20	134	0
Di-n-butylphthalate	1.04	1.072	-	-3.1	20	133	0
Fluoranthene	1.319	1.266	-	4	20	130	0
Benzidine	0.744	0.76	-	-2.2	20	136	0
Pyrene	1.411	1.344	-	4.7	20	128	0
4-Terphenyl-d14	1.035	1.012	-	2.2	20	131	0
Butyl benzyl phthalate	0.461	0.502	-	-8.9	20	149	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.184	-	2.6	20	130	0
3,3'-Dichlorobenzidine	0.438	0.477	-	-8.9	20	136	0
Chrysene	1.234	1.156	-	6.3	20	129	0
Bis(2-ethylhexyl)phthalate	0.579	0.683	-	-18	20	137	0
Di-n-octylphthalate	1.024	1.168	-	-14.1	20	142	0
Benzo(b)fluoranthene	1.227	1.318	-	-7.4	20	143	0
Benzo(k)fluoranthene	1.227	1.282	-	-4.5	20	135	0
Benzo(a)pyrene	1.119	1.198	-	-7.1	20	136	0
IS1_Perylene-d12	1	1	-	0	20	140	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.105	-	1.5	20	141	0
Dibenzo(a,h)anthracene	1.132	1.115	-	1.5	20	141	0
Benzo(ghi)perylene	1.145	1.159	-	-1.2	20	147	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90928A
 Sample No : WG2120752-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:55
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	136	0
Benzaldehyde	0.534	0.818	-	-53.2*	20	227	0
Acetophenone	1.663	1.562	-	6.1	20	140	0
m-Toluidine	0.957	1.326	-	-38.6*	20	188	0
2-Chloroaniline	1.447	1.49	-	-3	20	144	0
IS2_Naphthalene-d8	1	1	-	0	20	145	0
a-Terpineol	0.245	0.203	-	17.1	20	128	0
3-Chloroaniline	0.122	0.119	-	2.5	20	149	0
2,6-Dichlorophenol	0.33	0.359	-	-8.8	20	165	0
1-chloro-2-nitrobenzene	0.135	0.134	-	0.7	20	151	0
Caprolactam	0.128	0.102	-	20.3*	20	123	0
1,2,4,5-Tetrachlorobenzene	0.495	0.46	-	7.1	20	145	0
Biphenyl	1.02	0.971	-	4.8	20	148	0
IS2_Acenaphthene-d10	1	1	-	0	20	143	0
Dichloran	0.199	0.2	-	-0.5	20	163	0
Pentachloronitrobenzene	0.197	0.211	-	-7.1	20	164	0
IS2_Phenanthrene-d10	1	1	-	0	20	143	0
Diphenamid	0.486	0.5	-	-2.9	20	161	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
n-Nitrosodimethylamine	0.659	0.692	-	-5	20	89	0
Pyridine	1.237	0.667	-	46.1*	20	49	0
2-Fluorophenol	1.032	1.038	-	-0.6	20	89	0
Aniline	1.692	1.612	-	4.7	20	83	0
2-Chlorophenol	1.228	1.177	-	4.2	20	86	0
Phenol-d6	1.268	1.241	-	2.1	20	85	0
Phenol	1.412	1.424	-	-0.8	20	91	0
Bis(2-chloroethyl)ether	1.193	1.114	-	6.6	20	88	0
1,3-Dichlorobenzene	1.558	1.413	-	9.3	20	85	0
1,4-Dichlorobenzene	1.592	1.461	-	8.2	20	86	0
1,2-Dichlorobenzene	1.528	1.395	-	8.7	20	86	0
Benzyl alcohol	0.928	0.891	-	4	20	86	0
Bis(2-chloroisopropyl)ethe	1.867	1.818	-	2.6	20	91	0
2-Methylphenol	1.04	1.031	-	0.9	20	89	0
Hexachloroethane	0.584	0.514	-	12	20	82	0
n-Nitrosodi-n-propylamine	0.823	0.783	-	4.9	20	85	0
3-Methylphenol/4-Methylphe	1.102	1.115	-	-1.2	20	89	0
Nitrobenzene-d5	1.172	1.194	-	-1.9	20	92	0
Nitrobenzene	1.19	1.207	-	-1.4	20	93	0
Isophorone	2.158	2.11	-	2.2	20	88	0
2-Nitrophenol	0.494	0.593	-	-20	20	106	0
2,4-Dimethylphenol	1.154	1.198	-	-3.8	20	92	0
Bis(2-chloroethoxy)methane	1.45	1.415	-	2.4	20	90	0
2,4-Dichlorophenol	1.111	1.097	-	1.3	20	86	0
1,2,4-Trichlorobenzene	1.448	1.246	-	14	20	82	0
IS1_Naphthalene-d8	1	1	-	0	20	93	0
Naphthalene	1.054	0.971	-	7.9	20	87	0
Benzoic Acid	5	4.41	-	11.8	20	83	0
4-Chloroaniline	0.12	0.122	-	-1.7	20	92	0
Hexachlorobutadiene	0.231	0.195	-	15.6	20	82	0
p-Chloro-m-cresol	0.256	0.269	-	-5.1	20	93	0
2-Methylnaphthalene	0.632	0.606	-	4.1	20	89	0
1-Methylnaphthalene	0.24	0.208	-	13.3	20	81	0
Hexachlorocyclopentadiene	0.244	0.244	-	0	20	93	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	90	0
2,4,5-Trichlorophenol	0.23	0.247	-	-7.4	20	94	0
2-Fluorobiphenyl	0.872	0.779	-	10.7	20	85	0
2-Chloronaphthalene	0.734	0.659	-	10.2	20	85	0
2-Nitroaniline	0.159	0.181	-	-13.8	20	101	0
1,4-Dinitrobenzene	0.077	0.095	-	-23.4*	20	111	0
1,3-Dinitrobenzene	0.093	0.11	-	-18.3	20	105	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	90	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.063	-	3.4	20	88	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	101	0
1,2-Dinitrobenzene	0.06	0.074	-	-23.3*	20	108	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	0.246	0.287	-	-16.7	20	99	0
Acenaphthene	1.144	1.049	-	8.3	20	89	0
2,4-Dinitrophenol	5	5.319	-	-6.4	20	114	0
Dibenzofuran	1.834	1.671	-	8.9	20	87	0
2,4-Dinitrotoluene	5	5.298	-	-6	20	104	0
4-Nitrophenol	0.185	0.218	-	-17.8	20	103	0
2,3,5,6-Tetrachlorophenol	0.304	0.33	-	-8.6	20	95	0
2,3,4,6-Tetrachlorophenol	0.3	0.318	-	-6	20	92	0
Diethyl phthalate	1.28	1.252	-	2.2	20	91	0
Fluorene	1.409	1.324	-	6	20	88	0
4-Chlorophenyl phenyl ethe	0.719	0.649	-	9.7	20	87	0
4-Nitroaniline	0.246	0.257	-	-4.5	20	96	0
4,6-Dinitro-o-cresol	5	5.867	-	-17.3	20	123	0
NDPA/DPA	1.112	1.095	-	1.5	20	90	0
Azobenzene	1.133	1.15	-	-1.5	20	93	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	87	0
4-Bromophenyl phenyl ether	0.383	0.331	-	13.6	20	82	0
Hexachlorobenzene	0.399	0.347	-	13	20	85	0
Pentachlorophenol	0.216	0.201	-	6.9	20	86	0
IS1_Phenanthrene-d10	1	1	-	0	20	94	0
Phenanthrene	1.146	1.063	-	7.2	20	89	0
Anthracene	1.122	1.075	-	4.2	20	90	0
Carbazole	0.975	0.935	-	4.1	20	86	0
Di-n-butylphthalate	1.07	1.101	-	-2.9	20	91	0
Fluoranthene	1.217	1.154	-	5.2	20	86	0
Benzidine	5	4.315	-	13.7	20	82	0
Pyrene	1.292	1.202	-	7	20	84	0
4-Terphenyl-d14	0.865	0.775	-	10.4	20	83	0
Butyl benzyl phthalate	5	4.552	-	9	20	97	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.304	-	4.6	20	83	0
3,3'-Dichlorobenzidine	0.436	0.407	-	6.7	20	79	0
Chrysene	1.352	1.286	-	4.9	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.82	-	3.6	20	90	0
Di-n-octylphthalate	5	4.589	-	8.2	20	89	0
Benzo(b)fluoranthene	1.185	1.073	-	9.5	20	80	0
Benzo(k)fluoranthene	1.199	1.063	-	11.3	20	75	0
Benzo(a)pyrene	1.101	0.971	-	11.8	20	77	0
IS1_Perylene-d12	1	1	-	0	20	87	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0928
Sample No : WG2120753-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 19:00
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.109	-	0.2	20	82	0
Dibenzo(a,h)anthracene	1.154	1.132	-	1.9	20	81	0
Benzo(ghi)perylene	1.15	1.146	-	0.3	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Calibration Date : 09/28/25 19:18
Lab File ID : ADP0928	Init. Calib. Date(s) : 08/20/25 08/20/25
Sample No : WG2120752-5	Init. Calib. Times : 12:47 23:44
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	118	0
1,4-Dioxane	0.411	0.366	-	10.9	20	108	0
n-Decane	1.27	0.872	-	31.3*	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	131	0
Atrazine	0.486	0.432	-	11.1	20	122	0
IS3_Phenanthrene-d10	1	1	-	0	20	135	0
n-Octadecane	0.368	0.238	-	35.3*	20	93	0
Parathion	5	5.216	-	-4.3	20	140	0
3,3'-Dimethylbenzidine	5	3.238	-	35.2*	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90928
 Sample No : WG2120753-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:25
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
Benzaldehyde	0.605	0.929	-	-53.6*	20	162	0
Acetophenone	1.796	1.649	-	8.2	20	97	0
m-Toluidine	1.129	1.422	-	-26*	20	133	0
2-Chloroaniline	1.545	1.525	-	1.3	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	104	0
a-Terpineol	0.25	0.305	-	-22*	20	124	0
3-Chloroaniline	0.117	0.137	-	-17.1	20	112	0
2,6-Dichlorophenol	0.264	0.291	-	-10.2	20	107	0
1-chloro-2-nitrobenzene	0.124	0.133	-	-7.3	20	112	0
Caprolactam	0.125	0.146	-	-16.8	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.364	-	12.3	20	95	0
Biphenyl	0.948	0.859	-	9.4	20	97	0
IS2_Acenaphthene-d10	1	1	-	0	20	102	0
Dichloran	0.145	0.14	-	3.4	20	113	0
Pentachloronitrobenzene	0.133	0.139	-	-4.5	20	103	0
IS2_Phenanthrene-d10	1	1	-	0	20	100	0
Diphenamid	0.435	0.43	-	1.1	20	93	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0928
 Sample No : WG2120753-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:50
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	86	0
1,4-Dioxane	0.545	0.494	-	9.4	20	85	0
n-Decane	1.567	1.729	-	-10.3	20	100	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.33	0.354	-	-7.3	20	90	0
IS3_Phenanthrene-d10	1	1	-	0	20	85	0
n-Octadecane	0.441	0.539	-	-22.2*	20	101	0
Parathion	5	5.725	-	-14.5	20	112	0
3,3'-Dimethylbenzidine	5	3.591	-	28.2*	20	64	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	82	0
n-Nitrosodimethylamine	0.659	0.72	-	-9.3	20	82	0
Pyridine	1.237	0.748	-	39.5*	20	49	0
2-Fluorophenol	1.032	1.043	-	-1.1	20	79	0
Aniline	1.692	1.68	-	0.7	20	76	0
2-Chlorophenol	1.228	1.208	-	1.6	20	78	0
Phenol-d6	1.268	1.312	-	-3.5	20	80	0
Phenol	1.412	1.48	-	-4.8	20	84	0
Bis(2-chloroethyl)ether	1.193	1.133	-	5	20	79	0
1,3-Dichlorobenzene	1.558	1.449	-	7	20	77	0
1,4-Dichlorobenzene	1.592	1.479	-	7.1	20	77	0
1,2-Dichlorobenzene	1.528	1.403	-	8.2	20	77	0
Benzyl alcohol	0.928	0.959	-	-3.3	20	81	0
Bis(2-chloroisopropyl)ethe	1.867	1.944	-	-4.1	20	86	0
2-Methylphenol	1.04	1.088	-	-4.6	20	83	0
Hexachloroethane	0.584	0.534	-	8.6	20	75	0
n-Nitrosodi-n-propylamine	0.823	0.818	-	0.6	20	79	0
3-Methylphenol/4-Methylphe	1.102	1.137	-	-3.2	20	80	0
Nitrobenzene-d5	1.172	1.245	-	-6.2	20	85	0
Nitrobenzene	1.19	1.262	-	-6.1	20	86	0
Isophorone	2.158	2.184	-	-1.2	20	81	0
2-Nitrophenol	0.494	0.614	-	-24.3*	20	97	0
2,4-Dimethylphenol	1.154	1.195	-	-3.6	20	81	0
Bis(2-chloroethoxy)methane	1.45	1.403	-	3.2	20	79	0
2,4-Dichlorophenol	1.111	1.1	-	1	20	76	0
1,2,4-Trichlorobenzene	1.448	1.271	-	12.2	20	74	0
IS1_Naphthalene-d8	1	1	-	0	20	84	0
Naphthalene	1.054	0.973	-	7.7	20	79	0
Benzoic Acid	5	4.088	-	18.2	20	67	0
4-Chloroaniline	0.12	0.126	-	-5	20	85	0
Hexachlorobutadiene	0.231	0.199	-	13.9	20	75	0
p-Chloro-m-cresol	0.256	0.274	-	-7	20	85	0
2-Methylnaphthalene	0.632	0.592	-	6.3	20	78	0
1-Methylnaphthalene	0.24	0.207	-	13.8	20	72	0
Hexachlorocyclopentadiene	0.244	0.233	-	4.5	20	80	0
2,4,6-Trichlorophenol	0.214	0.228	-	-6.5	20	80	0
2,4,5-Trichlorophenol	0.23	0.25	-	-8.7	20	85	0
2-Fluorobiphenyl	0.872	0.766	-	12.2	20	75	0
2-Chloronaphthalene	0.734	0.65	-	11.4	20	75	0
2-Nitroaniline	0.159	0.188	-	-18.2	20	94	0
1,4-Dinitrobenzene	0.077	0.099	-	-28.6*	20	105	0
1,3-Dinitrobenzene	0.093	0.113	-	-21.5*	20	98	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.066	-	3.1	20	79	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	90	0
1,2-Dinitrobenzene	0.06	0.075	-	-25*	20	98	0
IS1_Acenaphthene-d10	1	1	-	0	20	82	0
3-Nitroaniline	0.246	0.299	-	-21.5*	20	90	0
Acenaphthene	1.144	1.066	-	6.8	20	80	0
2,4-Dinitrophenol	5	6.285	-	-25.7*	20	120	0
Dibenzofuran	1.834	1.715	-	6.5	20	79	0
2,4-Dinitrotoluene	5	5.542	-	-10.8	20	96	0
4-Nitrophenol	0.185	0.243	-	-31.4*	20	100	0
2,3,5,6-Tetrachlorophenol	0.304	0.331	-	-8.9	20	83	0
2,3,4,6-Tetrachlorophenol	0.3	0.327	-	-9	20	83	0
Diethyl phthalate	1.28	1.238	-	3.3	20	79	0
Fluorene	1.409	1.331	-	5.5	20	77	0
4-Chlorophenyl phenyl ethe	0.719	0.658	-	8.5	20	78	0
4-Nitroaniline	0.246	0.284	-	-15.4	20	93	0
4,6-Dinitro-o-cresol	5	6.438	-	-28.8*	20	119	0
NDPA/DPA	1.112	1.109	-	0.3	20	79	0
Azobenzene	1.133	1.198	-	-5.7	20	85	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	76	0
4-Bromophenyl phenyl ether	0.383	0.344	-	10.2	20	75	0
Hexachlorobenzene	0.399	0.351	-	12	20	75	0
Pentachlorophenol	0.216	0.216	-	0	20	81	0
IS1_Phenanthrene-d10	1	1	-	0	20	85	0
Phenanthrene	1.146	1.092	-	4.7	20	83	0
Anthracene	1.122	1.095	-	2.4	20	83	0
Carbazole	0.975	0.959	-	1.6	20	80	0
Di-n-butylphthalate	1.07	1.054	-	1.5	20	79	0
Fluoranthene	1.217	1.186	-	2.5	20	80	0
Benzidine	5	4.494	-	10.1	20	77	0
Pyrene	1.292	1.273	-	1.5	20	80	0
4-Terphenyl-d14	0.865	0.791	-	8.6	20	76	0
Butyl benzyl phthalate	5	4.681	-	6.4	20	90	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.313	-	4	20	84	0
3,3'-Dichlorobenzidine	0.436	0.415	-	4.8	20	81	0
Chrysene	1.352	1.279	-	5.4	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.277	-	14.5	20	80	0
Di-n-octylphthalate	5	4.489	-	10.2	20	88	0
Benzo(b)fluoranthene	1.185	1.187	-	-0.2	20	89	0
Benzo(k)fluoranthene	1.199	1.195	-	0.3	20	85	0
Benzo(a)pyrene	1.101	1.109	-	-0.7	20	88	0
IS1_Perylene-d12	1	1	-	0	20	98	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0929
Sample No : WG2121049-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/29/25 12:24
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.08	-	2.8	20	90	0
Dibenzo(a,h)anthracene	1.154	1.088	-	5.7	20	87	0
Benzo(ghi)perylene	1.15	1.106	-	3.8	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90929
 Sample No : WG2121049-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:49
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	101	0
Benzaldehyde	0.605	0.952	-	-57.4*	20	158	0
Acetophenone	1.796	1.651	-	8.1	20	93	0
m-Toluidine	1.129	1.421	-	-25.9*	20	127	0
2-Chloroaniline	1.545	1.51	-	2.3	20	97	0
IS2_Naphthalene-d8	1	1	-	0	20	99	0
a-Terpineol	0.25	0.309	-	-23.6*	20	118	0
3-Chloroaniline	0.117	0.145	-	-23.9*	20	112	0
2,6-Dichlorophenol	0.264	0.296	-	-12.1	20	103	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	108	0
Caprolactam	0.125	0.155	-	-24*	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.37	-	10.8	20	91	0
Biphenyl	0.948	0.845	-	10.9	20	90	0
IS2_Acenaphthene-d10	1	1	-	0	20	97	0
Dichloran	0.145	0.146	-	-0.7	20	113	0
Pentachloronitrobenzene	0.133	0.14	-	-5.3	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	94	0
Diphenamid	0.435	0.433	-	0.5	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0929
 Sample No : WG2121049-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 13:14
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	75	0
1,4-Dioxane	0.545	0.522	-	4.2	20	79	0
n-Decane	1.567	1.708	-	-9	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	75	0
Atrazine	0.33	0.353	-	-7	20	79	0
IS3_Phenanthrene-d10	1	1	-	0	20	75	0
n-Octadecane	0.441	0.466	-	-5.7	20	77	0
Parathion	5	5.458	-	-9.2	20	94	0
3,3'-Dimethylbenzidine	5	4.145	-	17.1	20	69	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250918RVT\
 Data File : ABN0918.D
 Acq On : 18 Sep 2025 7:46 am
 Operator : SV106:jg
 Sample : WG2116472-3,32,,ABN 11979 mrg0904A
 Misc : WG2116472,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 18 08:44:57 2025
 Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:45:36 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00
2 t	n-Nitrosodimethylamine	0.660	0.800	-21.2#	133	0.00
3 t	Pyridine	1.131	0.872	22.9#	82	0.00
4 S	2-Fluorophenol	1.106	1.244	-12.5	120	0.00
5 T	Aniline	1.738	1.633	6.0	99	0.00
6 t	2-Chlorophenol	1.332	1.386	-4.1	111	0.00
7 S	Phenol-d6	1.318	1.377	-4.5	113	0.00
8 T	Phenol	1.441	1.406	2.4	107	0.00
9 T	Bis(2-chloroethyl)ether	1.143	1.104	3.4	106	0.00
10 T	1,3-Dichlorobenzene	1.598	1.574	1.5	108	0.00
11 T	1,4-Dichlorobenzene	1.634	1.577	3.5	107	0.00
12 T	1,2-Dichlorobenzene	1.572	1.527	2.9	108	0.00
13 t	Benzyl alcohol	0.964	0.913	5.3	103	0.00
14 T	Bis(2-chloroisopropyl)ether	1.867	1.527	18.2	90	0.00
15 T	2-Methylphenol	1.104	1.083	1.9	106	0.00
16 T	Hexachloroethane	0.602	0.581	3.5	104	0.00
17 T	n-Nitrosodi-n-propylamine	0.815	0.734	9.9	96	0.00
18 T	3-Methylphenol/4-Methylphen	1.207	1.129	6.5	102	0.00
19 S	Nitrobenzene-d5	1.226	1.172	4.4	103	0.00
20 T	Nitrobenzene	1.260	1.161	7.9	99	0.00
21 T	Isophorone	2.296	2.205	4.0	104	0.00
22 T	2-Nitrophenol	0.640	0.742	-15.9	124	0.00
23 T	2,4-Dimethylphenol	1.271	1.332	-4.8	110	0.00
24 T	Bis(2-chloroethoxy)methane	1.546	1.517	1.9	108	0.00
25 T	2,4-Dichlorophenol	1.170	1.274	-8.9	115	0.00
26 T	1,2,4-Trichlorobenzene	1.374	1.414	-2.9	114	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	114	0.00
36 T	Naphthalene	1.082	1.021	5.6	108	0.00
37 T	Benzoic Acid	* 5.000	3.814	23.7#	97	0.00
38 T	4-Chloroaniline	0.117	0.105	10.3	97	0.00
39 T	Hexachlorobutadiene	0.200	0.205	-2.5	116	0.00
40 T	p-Chloro-m-cresol	0.284	0.292	-2.8	115	0.00
41 T	2-Methylnaphthalene	0.641	0.661	-3.1	119	0.00
42 T	1-Methylnaphthalene	0.227	0.228	-0.4	116	0.00
43 T	Hexachlorocyclopentadiene	0.254	0.278	-9.4	123	0.00
44 T	2,4,6-Trichlorophenol	0.213	0.237	-11.3	118	0.00
45 T	2,4,5-Trichlorophenol	0.239	0.273	-14.2	123	0.00
46 S	2-Fluorobiphenyl	0.821	0.835	-1.7	117	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250918RVT\
 Data File : ABN0918.D
 Acq On : 18 Sep 2025 7:46 am
 Operator : SV106:jg
 Sample : WG2116472-3,32,,ABN 11979 mrg0904A
 Misc : WG2116472,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 18 08:44:57 2025
 Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:45:36 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.727	0.738	-1.5	116	0.00
48 T	2-Nitroaniline	0.206	0.234	-13.6	119	0.00
49 T	1,4-Dinitrobenzene	0.097	0.107	-10.3	120	0.00
50 T	1,3-Dinitrobenzene	0.112	0.125	-11.6	119	0.00
51 T	Dimethyl phthalate	0.857	0.884	-3.2	116	0.00
52 T	Acenaphthylene	1.170	1.213	-3.7	114	0.00
53 T	2,6-Dinitrotoluene	0.167	0.185	-10.8	120	0.00
54 T	1,2-Dinitrobenzene	0.073	0.081	-11.0	117	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	121	0.00
64 T	3-Nitroaniline	0.342	0.341	0.3	114	0.00
65 T	Acenaphthene	1.136	1.069	5.9	116	0.00
66 T	2,4-Dinitrophenol	0.166	0.150	9.6	115	0.00
67 T	Dibenzofuran	1.844	1.734	6.0	116	0.00
68 T	2,4-Dinitrotoluene	0.385	0.411	-6.8	117	0.00
69 T	4-Nitrophenol	0.238	0.256	-7.6	124	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.340	0.362	-6.5	120	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.330	0.350	-6.1	116	0.00
72 T	Diethyl phthalate	1.516	1.437	5.2	114	0.00
73 T	Fluorene	1.447	1.338	7.5	114	0.00
74 T	4-Chlorophenyl phenyl ether	0.688	0.660	4.1	117	0.00
75 T	4-Nitroaniline	0.337	0.340	-0.9	113	0.00
76 T	4,6-Dinitro-o-cresol	0.214	0.234	-9.3	130	0.00
77 T	NDPA/DPA	1.209	1.152	4.7	113	0.00
78 T	Azobenzene	1.272	1.181	7.2	109	0.00
79 S	2,4,6-Tribromophenol	0.194	0.212	-9.3	129	0.00
80 T	4-Bromophenyl phenyl ether	0.424	0.400	5.7	118	0.00
81 T	Hexachlorobenzene	0.475	0.454	4.4	120	0.00
82 T	Pentachlorophenol	0.280	0.249	11.1	110	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	124	0.00
89 T	Phenanthrene	1.202	1.074	10.6	114	0.00
90 T	Anthracene	1.178	1.096	7.0	115	0.00
91 T	Carbazole	1.081	1.014	6.2	112	0.00
92 T	Di-n-butylphthalate	1.266	1.261	0.4	117	0.00
93 T	Fluoranthene	1.296	1.221	5.8	116	0.00
94 T	Benzidine	0.831	0.817	1.7	121	0.00
95 T	Pyrene	1.383	1.316	4.8	117	0.00
96 S	4-Terphenyl-d14	0.982	0.938	4.5	121	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250918RVT\
 Data File : ABN0918.D
 Acq On : 18 Sep 2025 7:46 am
 Operator : SV106:jg
 Sample : WG2116472-3,32,,ABN 11979 mrg0904A
 Misc : WG2116472,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 18 08:44:57 2025
 Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:45:36 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	0.529	0.561	-6.0	123	0.00
104 I	IS1_Chrysene-d12	1.000	1.000	0.0	125	0.00
105 T	Benzo(a)anthracene	1.349	1.250	7.3	119	0.00
106 T	3,3'-Dichlorobenzidine	0.464	0.508	-9.5	129	0.00
107 T	Chrysene	1.336	1.200	10.2	117	0.00
108 T	Bis(2-ethylhexyl)phthalate	0.846	0.865	-2.2	120	0.00
109 T	Di-n-octylphthalate	1.419	1.473	-3.8	127	0.00
110 T	Benzo(b)fluoranthene	1.278	1.279	-0.1	129	0.00
111 T	Benzo(k)fluoranthene	1.303	1.202	7.8	113	0.00
112 T	Benzo(a)pyrene	1.197	1.189	0.7	121	0.00
113 I	IS1_Perylene-d12	1.000	1.000	0.0	130	0.00
114 T	Indeno(1,2,3-cd)pyrene	1.141	1.090	4.5	123	0.00
115 T	Dibenzo(a,h)anthracene	1.181	1.140	3.5	124	0.00
116 T	Benzo(ghi)perylene	1.164	1.093	6.1	123	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250918RVT\
 Data File : ABN0918.D
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 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:45:36 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.030	152	37673	4.000	ug/ml	0.00
35) IS1_Naphthalene-d8	5.304	136	153730	4.000	ug/ml	0.00
63) IS1_Acenaphthene-d10	7.029	164	97376	4.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	8.465	188	191280	4.000	ug/ml	0.00
104) IS1_Chrysene-d12	11.067	240	196241	4.000	ug/ml	0.00
113) IS1_Perylene-d12	12.496	264	213896	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.675	112	58570	5.623	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	281.15%#	
7) Phenol-d6	3.741	99	64868	5.226	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	261.30%#	
19) Nitrobenzene-d5	4.599	82	55182	4.777	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	477.70%#	
46) 2-Fluorobiphenyl	6.407	172	160416	5.086	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	508.60%#	
79) 2,4,6-Tribromophenol	7.800	330	25828	5.471	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	273.55%#	
96) 4-Terphenyl-d14	10.066	244	224387	4.777	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	477.70%#	
Target Compounds						
					Qvalue	
2) n-Nitrosodimethylamine	1.298	74	37691	6.064	ug/ml#	76
3) Pyridine	1.326	79	41058	3.855	ug/ml#	69
5) Aniline	3.703	93	76879	4.695	ug/ml	95
6) 2-Chlorophenol	3.818	128	65250	5.202	ug/ml#	86
8) Phenol	3.753	94	66195	4.877	ug/ml	98
9) Bis(2-chloroethyl)ether	3.806	93	51980	4.829	ug/ml	85
10) 1,3-Dichlorobenzene	3.968	146	74103	4.923	ug/ml	96
11) 1,4-Dichlorobenzene	4.045	146	74266	4.826	ug/ml	96
12) 1,2-Dichlorobenzene	4.198	146	71916	4.858	ug/ml	95
13) Benzyl alcohol	4.213	79	42995	4.734	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.365	45	71893	4.089	ug/ml#	48
15) 2-Methylphenol	4.365	108	50987	4.903	ug/ml	99
16) Hexachloroethane	4.533	117	27346	4.825	ug/ml#	67
17) n-Nitrosodi-n-propylamine	4.493	70	34558	4.505	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.530	108	53179	4.679	ug/ml	99
20) Nitrobenzene	4.617	77	54664	4.605	ug/ml	92
21) Isophorone	4.875	82	103837	4.802	ug/ml	99
22) 2-Nitrophenol	4.944	139	34962	5.800	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250918RVT\
 Data File : ABN0918.D
 Acq On : 18 Sep 2025 7:46 am
 Operator : SV106:jg
 Sample : WG2116472-3,32,,ABN 11979 mrg0904A
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 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:45:36 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23)	2,4-Dimethylphenol	5.052	107	62721	5.238	ug/ml	99
24)	Bis(2-chloroethoxy)met...	5.133	93	71448	4.905	ug/ml	99
25)	2,4-Dichlorophenol	5.195	162	59983	5.445	ug/ml#	93
26)	1,2,4-Trichlorobenzene	5.264	180	66601	5.146	ug/ml	97
36)	Naphthalene	5.323	128	196234	4.719	ug/ml	99
37)	Benzoic Acid	5.155	105	32102	3.814	ug/ml	90
38)	4-Chloroaniline	5.413	65	20109	4.470	ug/ml#	46
39)	Hexachlorobutadiene	5.491	225	39449	5.122	ug/ml	99
40)	p-Chloro-m-cresol	5.941	107	56198	5.151	ug/ml	91
41)	2-Methylnaphthalene	6.019	142	127045	5.160	ug/ml	96
42)	1-Methylnaphthalene	6.112	115	43810	5.018	ug/ml	88
43)	Hexachlorocyclopentadiene	6.196	237	53394	5.468	ug/ml	99
44)	2,4,6-Trichlorophenol	6.320	196	45530	5.553	ug/ml	97
45)	2,4,5-Trichlorophenol	6.352	196	52442	5.699	ug/ml	98
47)	2-Chloronaphthalene	6.488	162	141788	5.075	ug/ml	96
48)	2-Nitroaniline	6.613	138	44895	5.668	ug/ml#	76
49)	1,4-Dinitrobenzene	6.752	168	20574	5.515	ug/ml	77
50)	1,3-Dinitrobenzene	6.827	168	23987M3	5.585	ug/ml	
51)	Dimethyl phthalate	6.830	163	169898	5.159	ug/ml#	98
52)	Acenaphthylene	6.883	152	233096	5.183	ug/ml	99
53)	2,6-Dinitrotoluene	6.864	165	35601	5.543	ug/ml#	79
54)	1,2-Dinitrobenzene	6.902	168	15659	5.604	ug/ml#	81
64)	3-Nitroaniline	7.017	138	41467	4.986	ug/ml	86
65)	Acenaphthene	7.060	154	130154	4.707	ug/ml	92
66)	2,4-Dinitrophenol	7.119	184	18234	4.523	ug/ml#	87
67)	Dibenzofuran	7.231	168	211012	4.700	ug/ml#	81
68)	2,4-Dinitrotoluene	7.253	165	50022	5.343	ug/ml#	70
69)	4-Nitrophenol	7.234	65	31158	5.375	ug/ml#	1
70)	2,3,5,6-Tetrachlorophenol	7.331	232	44065	5.328	ug/ml	96
71)	2,3,4,6-Tetrachlorophenol	7.374	232	42593	5.303	ug/ml	97
72)	Diethyl phthalate	7.529	149	174914	4.738	ug/ml	100
73)	Fluorene	7.564	166	162880	4.624	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.598	204	80294	4.791	ug/ml	89
75)	4-Nitroaniline	7.604	138	41380	5.044	ug/ml#	78
76)	4,6-Dinitro-o-cresol	7.641	198	28472	5.469	ug/ml#	63
77)	NDPA/DPA	7.716	169	140220	4.762	ug/ml	94
78)	Azobenzene	7.747	77	143745	4.642	ug/ml	94
80)	4-Bromophenyl phenyl e...	8.067	248	48746	4.719	ug/ml#	83
81)	Hexachlorobenzene	8.101	284	55254	4.778	ug/ml#	85
82)	Pentachlorophenol	8.307	266	30285	4.448	ug/ml	98
89)	Phenanthrene	8.487	178	256825	4.468	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250918RVT\
 Data File : ABN0918.D
 Acq On : 18 Sep 2025 7:46 am
 Operator : SV106:jg
 Sample : WG2116472-3,32,,ABN 11979 mrg0904A
 Misc : WG2116472,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 18 08:44:57 2025
 Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:45:36 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

90)	Anthracene	8.537	178	262125	4.654	ug/ml	99
91)	Carbazole	8.717	167	242558	4.691	ug/ml	99
92)	Di-n-butylphthalate	9.140	149	301438	4.979	ug/ml	98
93)	Fluoranthene	9.643	202	291833	4.709	ug/ml#	93
94)	Benzydine	9.817	184	195365	4.913	ug/ml#	95
95)	Pyrene	9.854	202	314678	4.759	ug/ml	100
97)	Butyl benzyl phthalate	10.594	149	134244	5.307	ug/ml	85
105)	Benzo(a)anthracene	11.057	228	306571	4.632	ug/ml	100
106)	3,3'-Dichlorobenzidine	11.079	252	124720	5.476	ug/ml#	98
107)	Chrysene	11.091	228	294300	4.489	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.231	149	212240	5.111	ug/ml#	91
109)	Di-n-octylphthalate	11.900	149	361409	5.192	ug/ml#	72
110)	Benzo(b)fluoranthene	12.136	252	313621M3	5.003	ug/ml	
111)	Benzo(k)fluoranthene	12.164	252	294878	4.613	ug/ml#	94
112)	Benzo(a)pyrene	12.440	252	291727	4.967	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	13.447	276	291522	4.779	ug/mL	94
115)	Dibenzo(a,h)anthracene	13.475	278	304761	4.826	ug/ml#	92
116)	Benzo(ghi)perylene	13.662	276	292315	4.698	ug/ml#	92

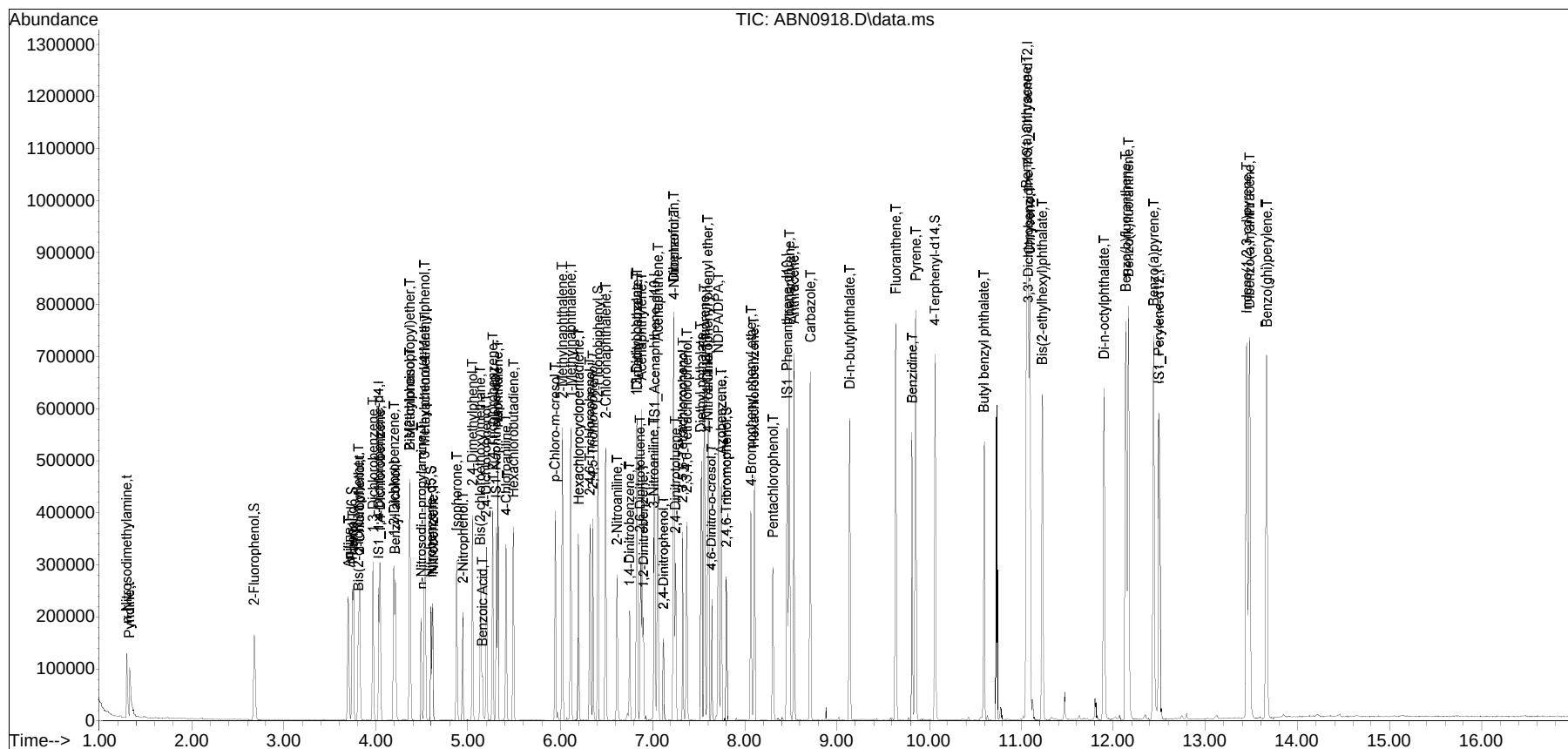
(#) = qualifier out of range (m) = manual integration (+) = signals summed

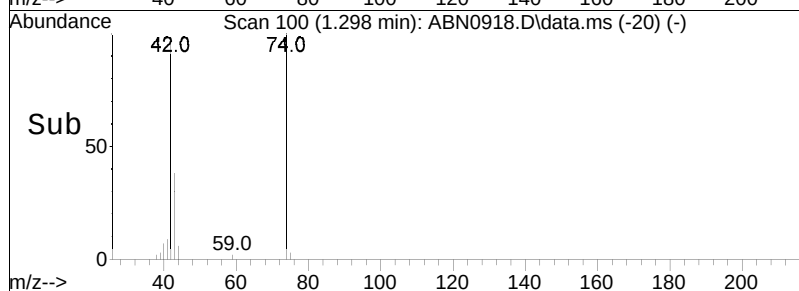
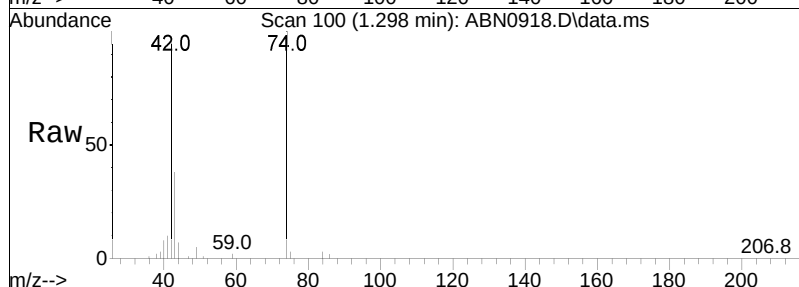
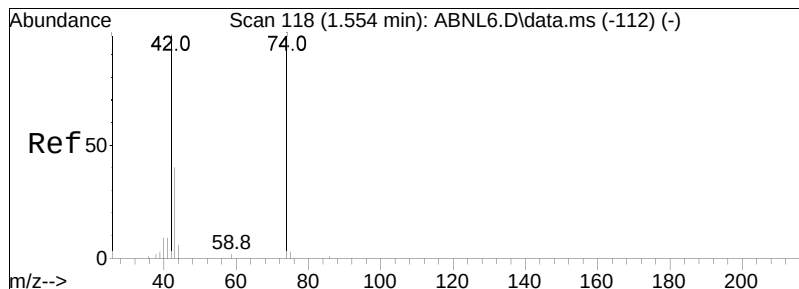
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250918RVT\
Data File : ABN0918.D
Acq On : 18 Sep 2025 7:46 am
Operator : SV106:jg
Sample : WG2116472-3,32,,ABN 11979 mrg0904A
Misc : WG2116472,,ical22591
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 18 08:44:57 2025
Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Sep 18 08:45:36 2025
Response via : Initial Calibration

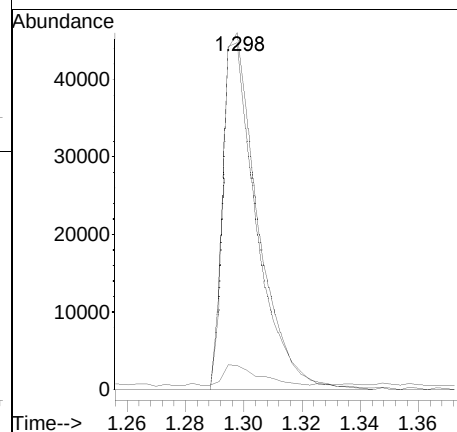
Sub List : ABNical - ABN ical sublist

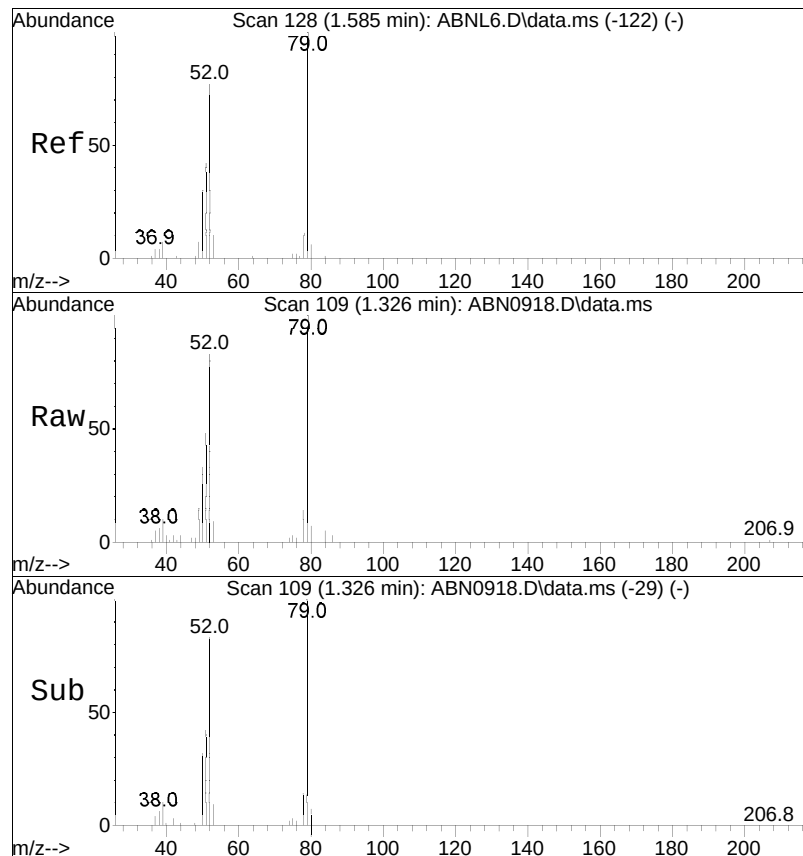




#2
 n-Nitrosodimethylamine
 Concen: 6.06 ug/ml
 RT: 1.298 min Scan# 100
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

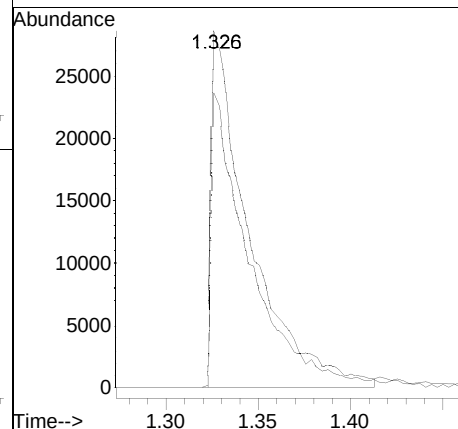
Tgt Ion: 74 Resp: 37691
 Ion Ratio Lower Upper
 74 100
 42 96.7 100.0 150.0#
 44 6.4 6.7 10.1#

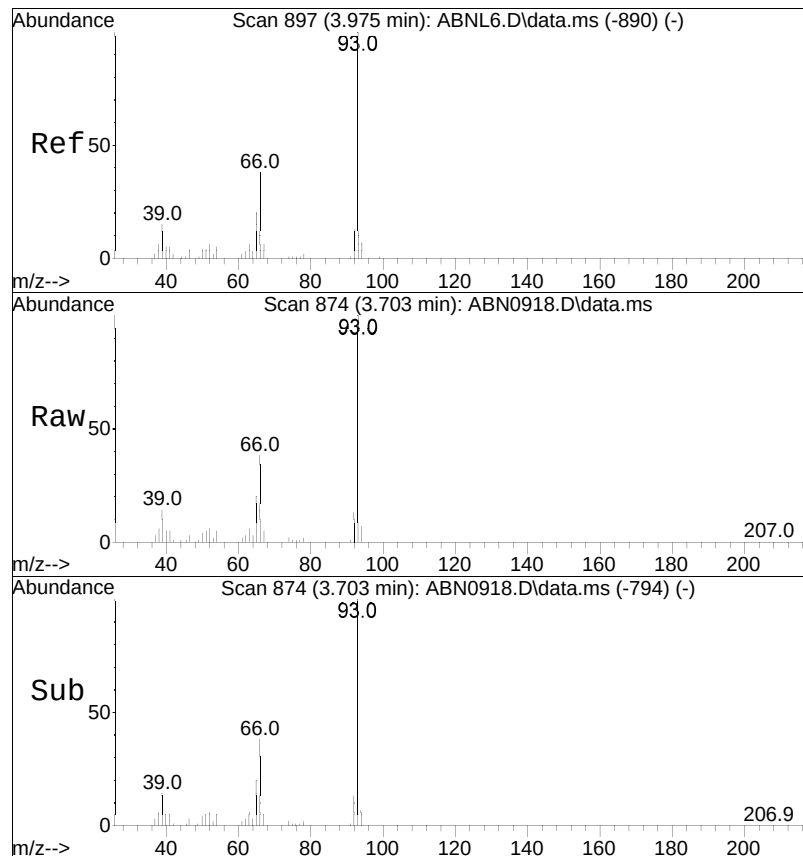




#3
 Pyridine
 Concen: 3.85 ug/ml
 RT: 1.326 min Scan# 109
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

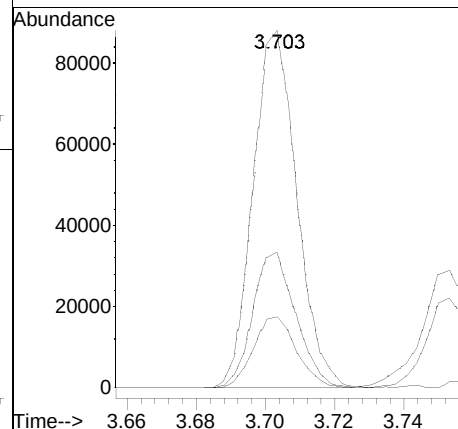
Tgt Ion	Ratio	Lower	Upper
79	100		
52	82.2	93.1	139.7#

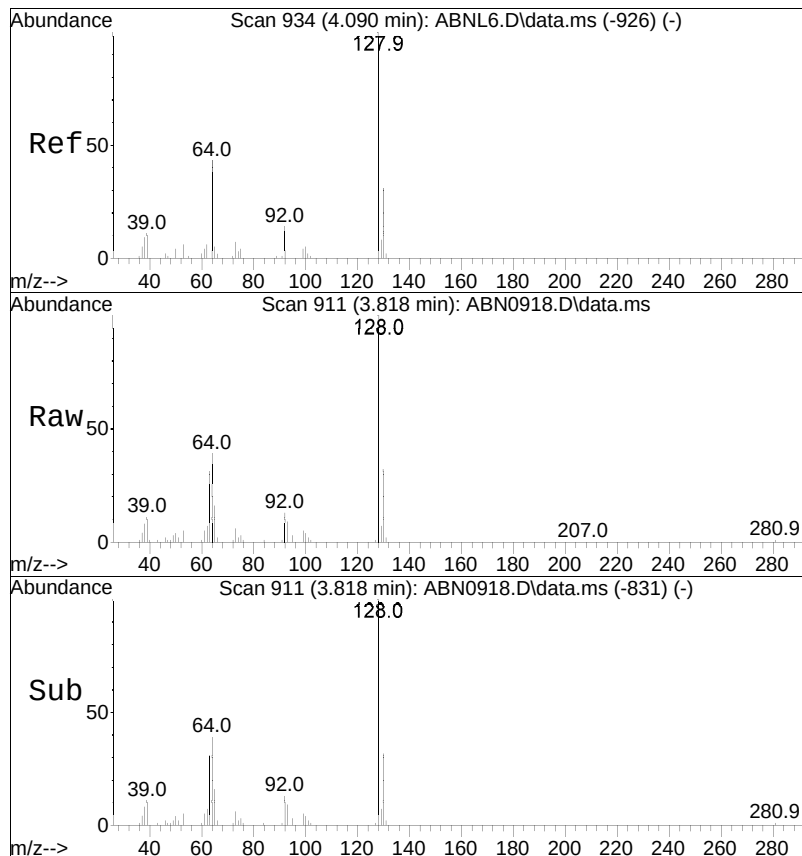




#5
 Aniline
 Concen: 4.70 ug/ml
 RT: 3.703 min Scan# 874
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

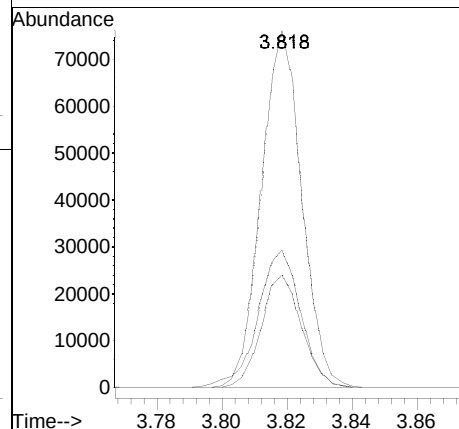
Tgt	Ion	Ratio	Lower	Upper
93	100			
66	37.6	32.6	49.0	
65	19.8	17.6	26.4	

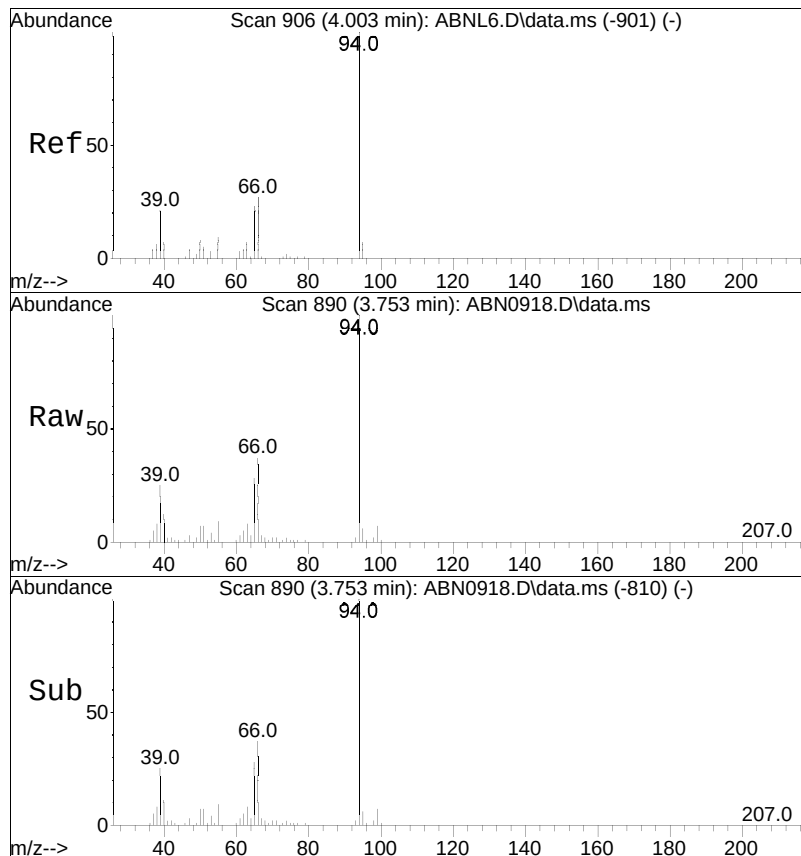




#6
 2-Chlorophenol
 Concen: 5.20 ug/ml
 RT: 3.818 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

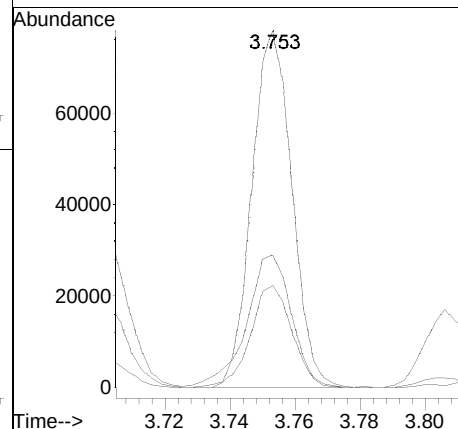
Tgt Ion:	128	Resp:	65250
Ion Ratio	Lower	Upper	
128	100		
64	41.0	45.1	67.7#
130	31.6	26.2	39.4

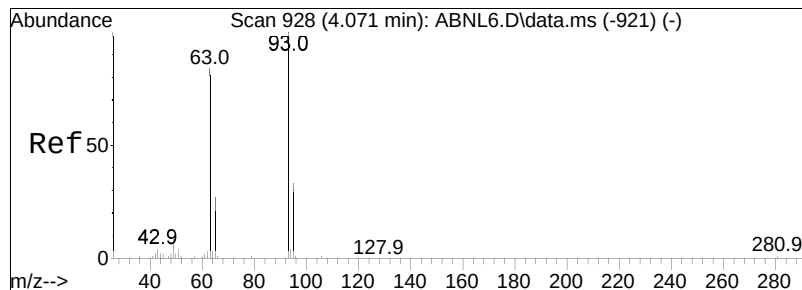




#8
 Phenol
 Concen: 4.88 ug/ml
 RT: 3.753 min Scan# 890
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

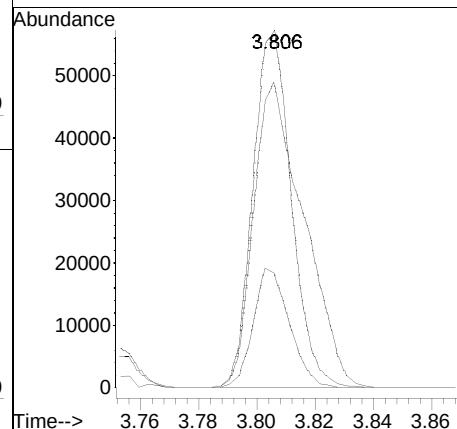
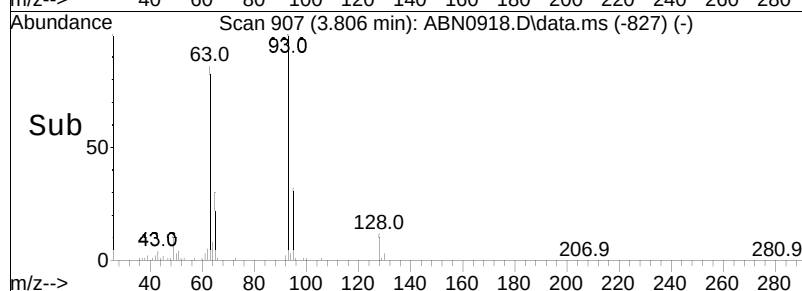
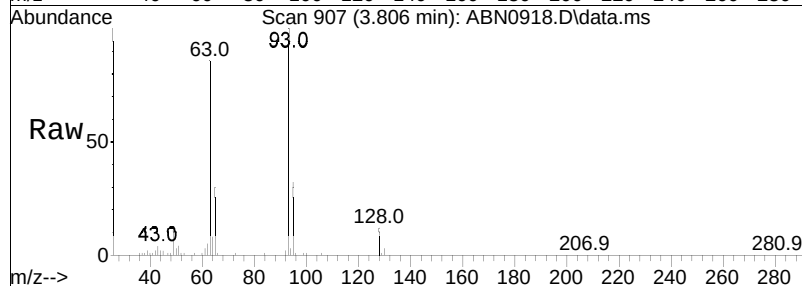
Tgt Ion:	94	Resp:	66195
Ion	Ratio	Lower	Upper
94	100		
65	29.7	26.0	39.0
66	42.0	33.8	50.8

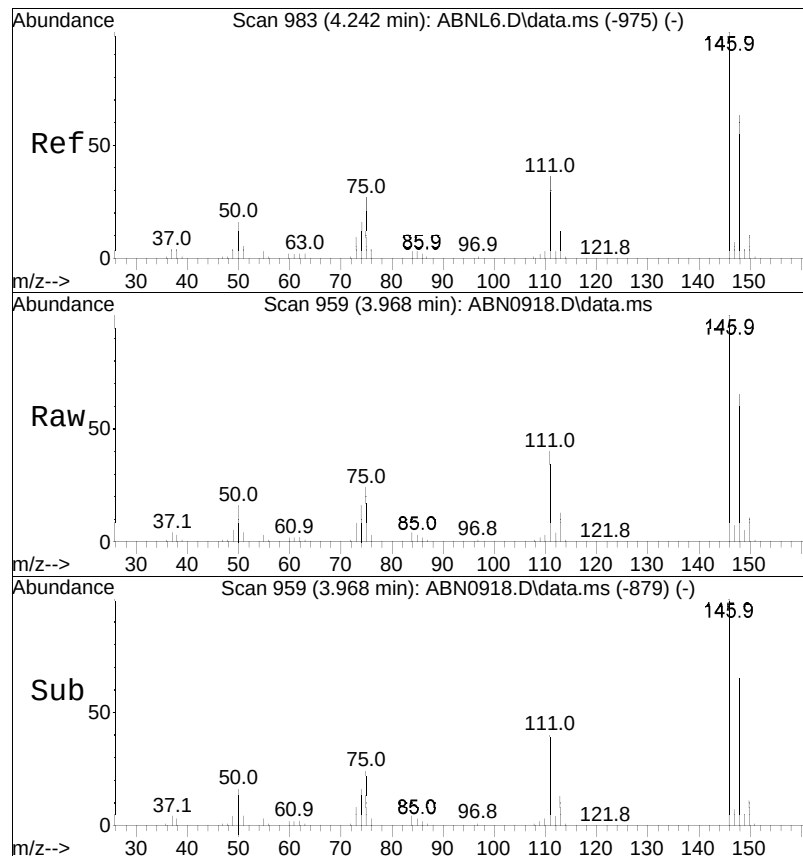




#9
 Bis(2-chloroethyl)ether
 Concen: 4.83 ug/ml
 RT: 3.806 min Scan# 907
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

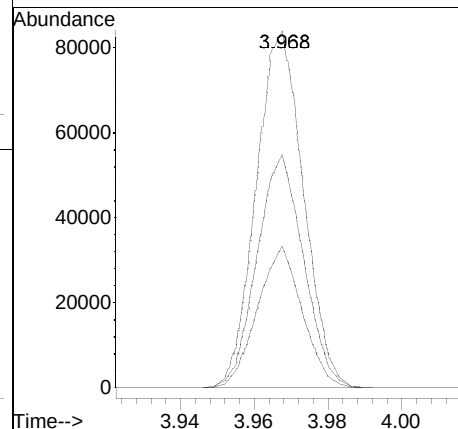
Tgt Ion	Ratio	Lower	Upper
93	100		
63	111.7	74.6	111.8
95	31.6	25.9	38.9

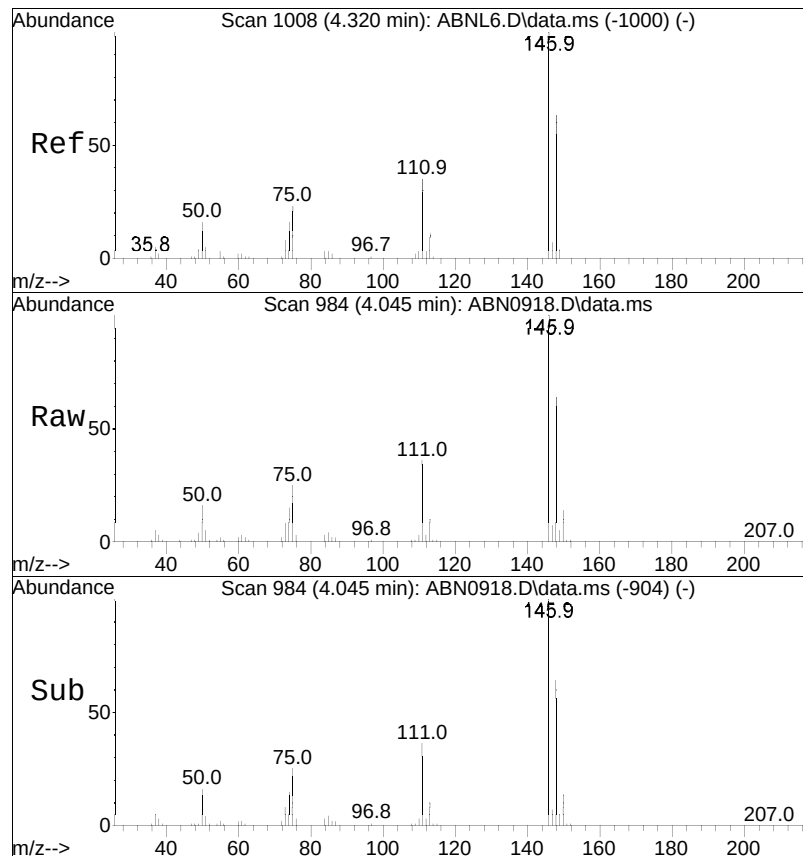




#10
1,3-Dichlorobenzene
Concen: 4.92 ug/ml
RT: 3.968 min Scan# 959
Delta R.T. 0.000 min
Lab File: ABN0918.D
Acq: 18 Sep 2025 7:46 am

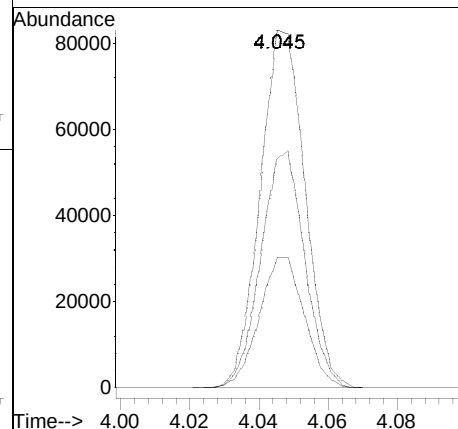
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	34.3	51.5
148	64.4	50.8	76.2

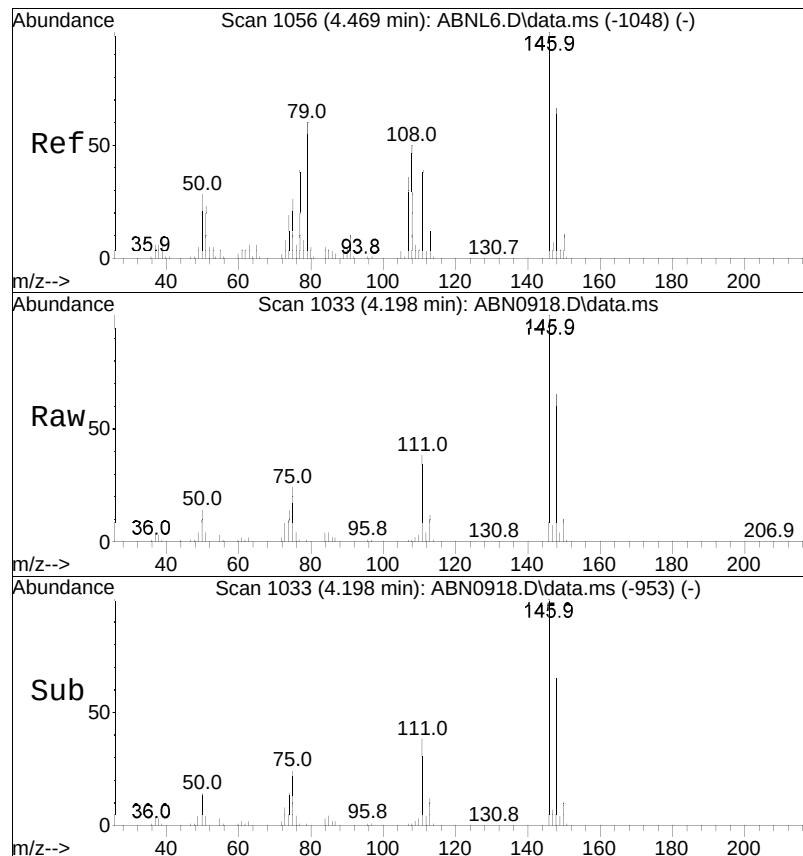




#11
 1,4-Dichlorobenzene
 Concen: 4.83 ug/ml
 RT: 4.045 min Scan# 984
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

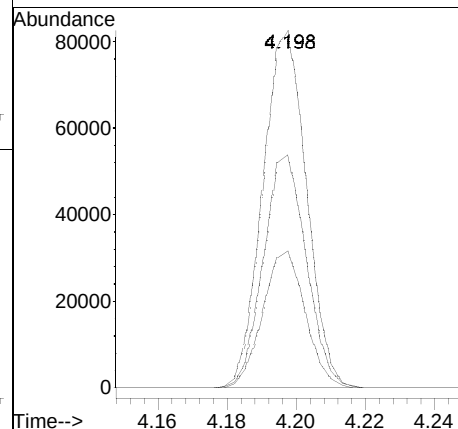
Tgt Ion:	146	Resp:	74266
Ion Ratio	Lower	Upper	
146	100		
148	64.9	50.7	76.1
111	37.0	33.4	50.0

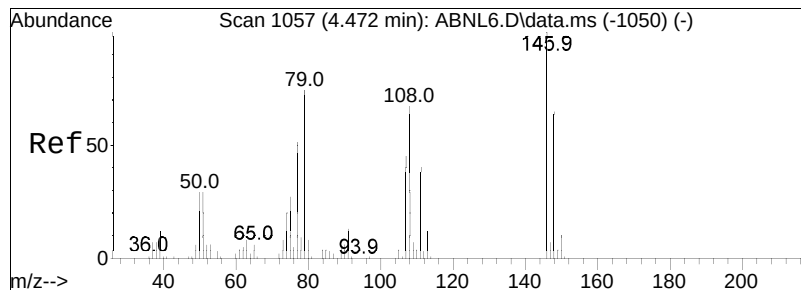




#12
 1,2-Dichlorobenzene
 Concen: 4.86 ug/ml
 RT: 4.198 min Scan# 1033
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

Tgt Ion:	146	Resp:	71916
Ion Ratio	Lower	Upper	
146	100		
111	37.4	34.6	52.0
148	64.2	50.2	75.4





#13

Benzyl alcohol

Concen: 4.73 ug/ml

RT: 4.213 min Scan# 1038

Delta R.T. 0.000 min

Lab File: ABN0918.D

Acq: 18 Sep 2025 7:46 am

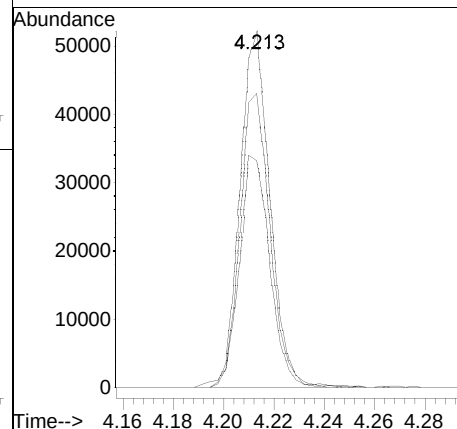
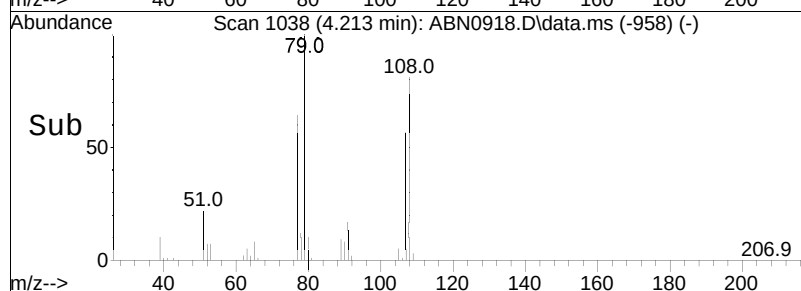
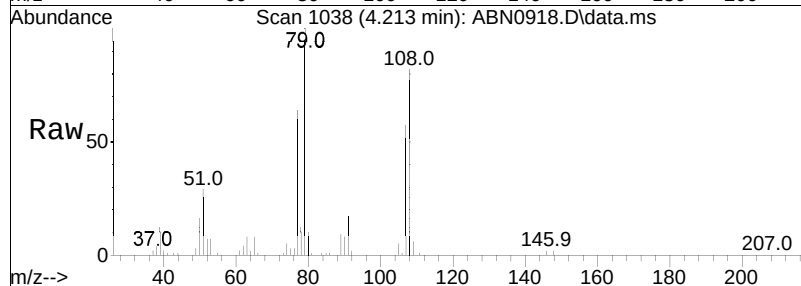
Tgt Ion: 79 Resp: 42995

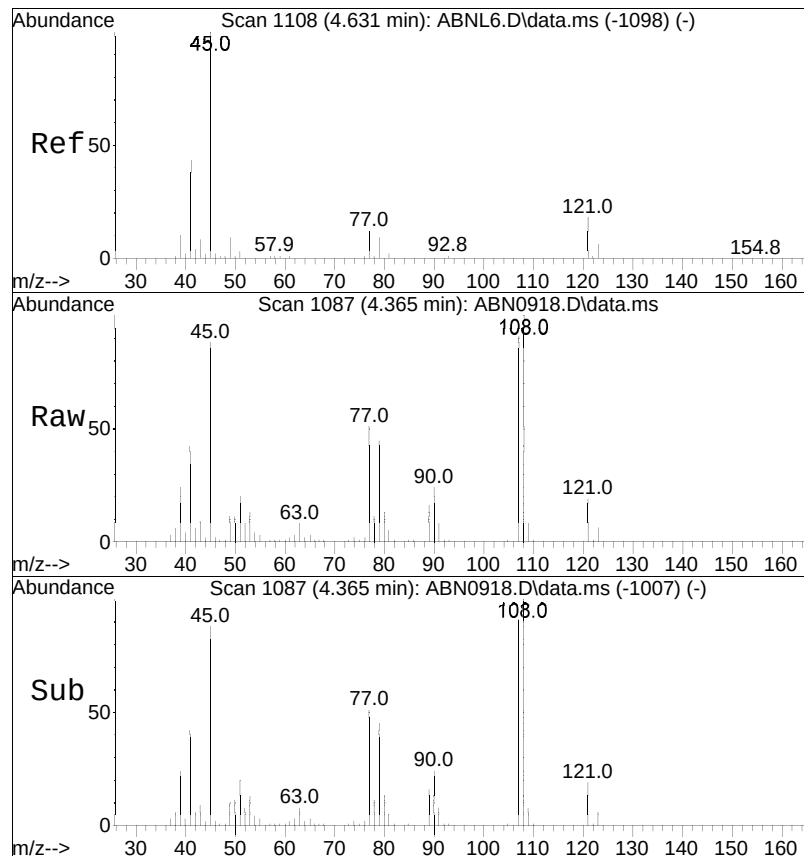
Ion Ratio Lower Upper

79 100

77 66.0 54.9 82.3

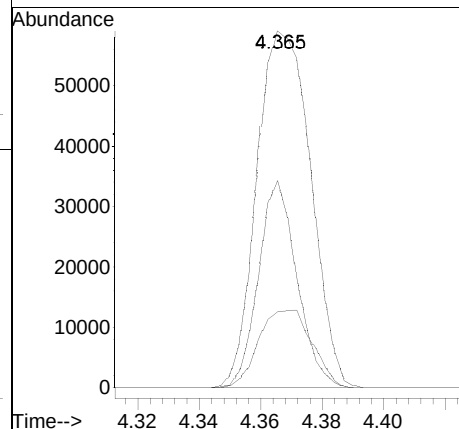
108 83.4 63.1 94.7

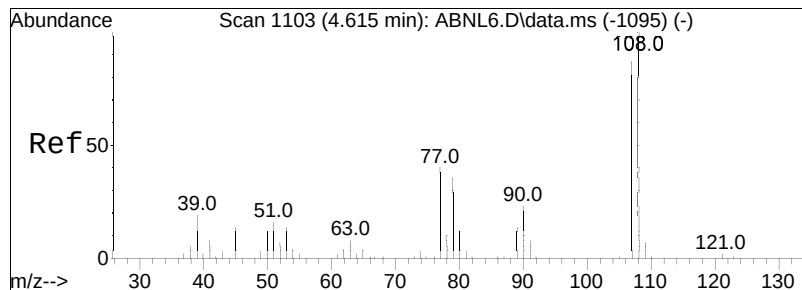




#14
 Bis(2-chloroisopropyl)ether
 Concen: 4.09 ug/ml
 RT: 4.365 min Scan# 1087
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

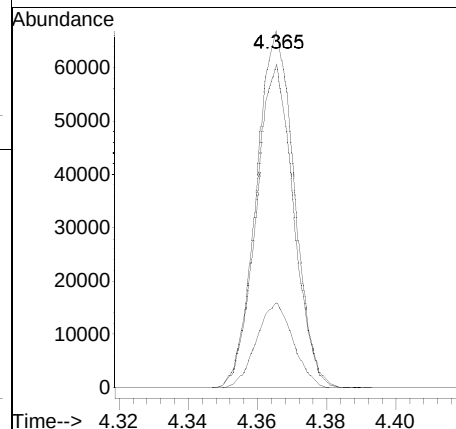
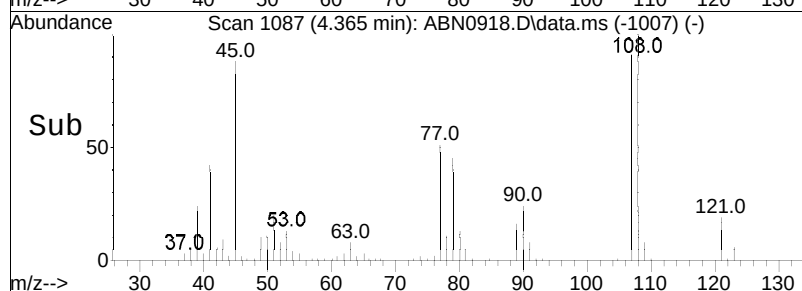
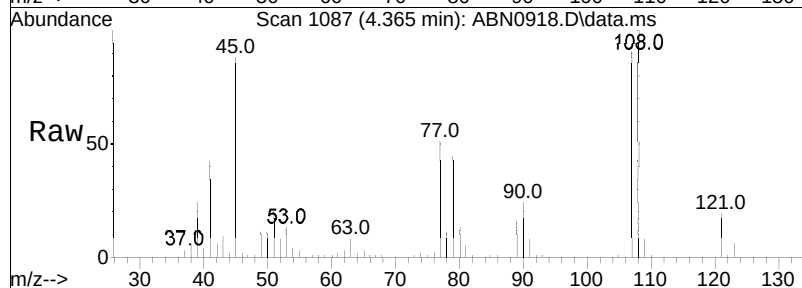
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	71893		
121	21.5		9.8	14.6#
77	41.6		6.1	9.1#

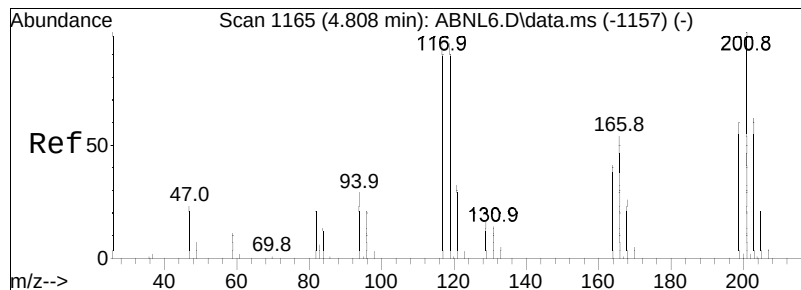




#15
 2-Methylphenol
 Concen: 4.90 ug/ml
 RT: 4.365 min Scan# 1087
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

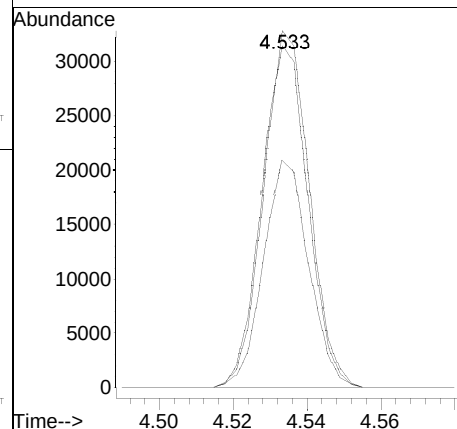
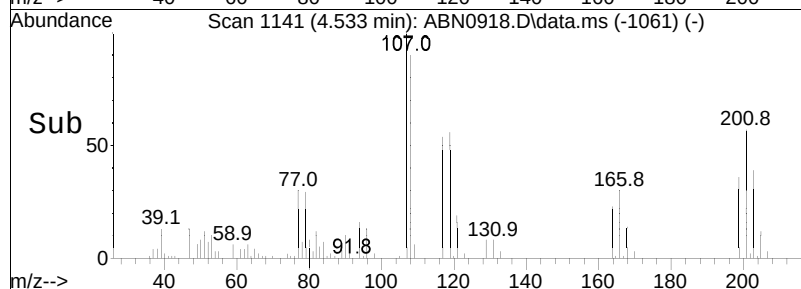
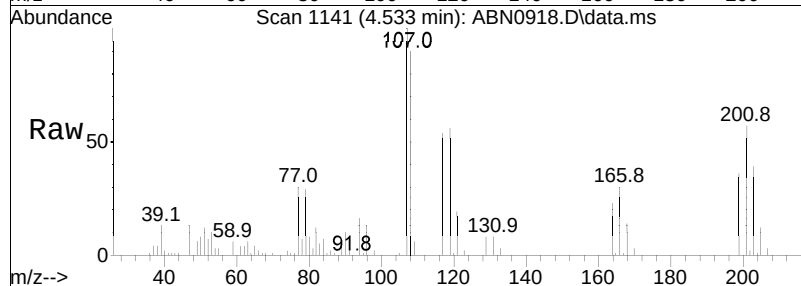
Tgt Ion	Ratio	Lower	Upper
108	100		
107	89.0	70.7	106.1
90	23.0	18.7	28.1

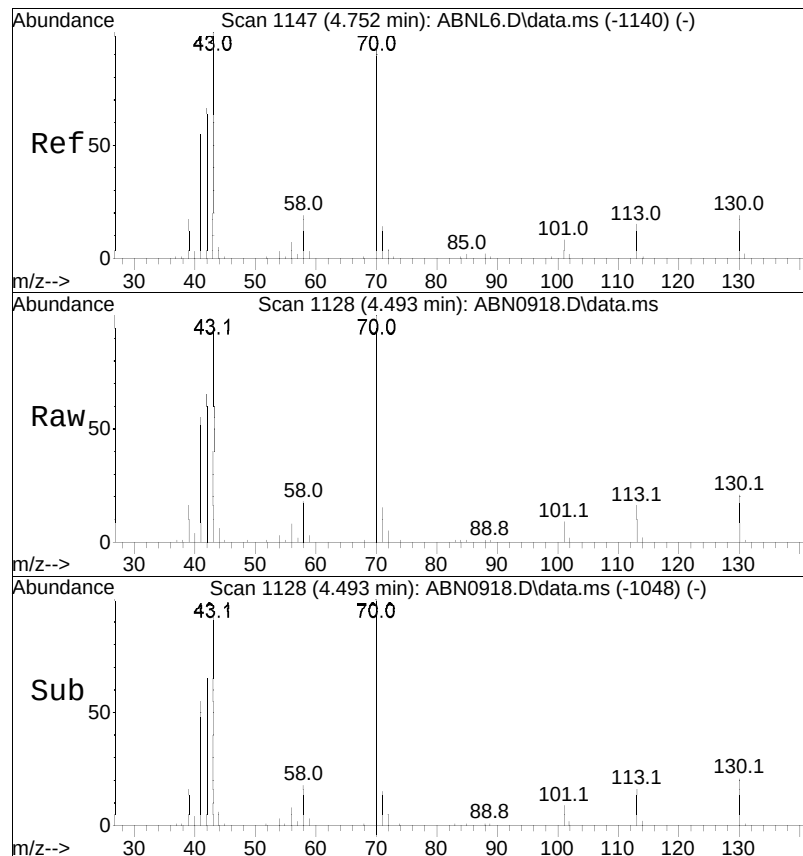




#16
 Hexachloroethane
 Concen: 4.82 ug/ml
 RT: 4.533 min Scan# 1141
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

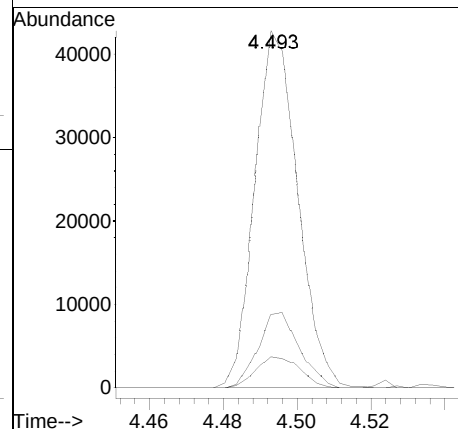
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27346		
201	103.2		58.6	87.8#
199	65.3		36.9	55.3#

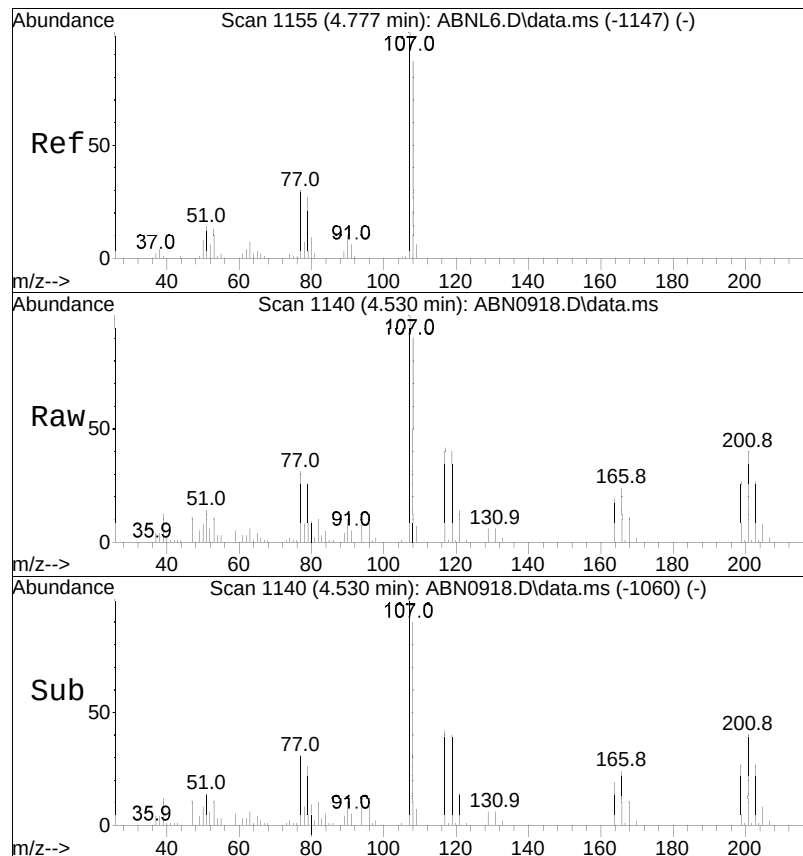




#17
 n-Nitrosodi-n-propylamine
 Concen: 4.50 ug/ml
 RT: 4.493 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

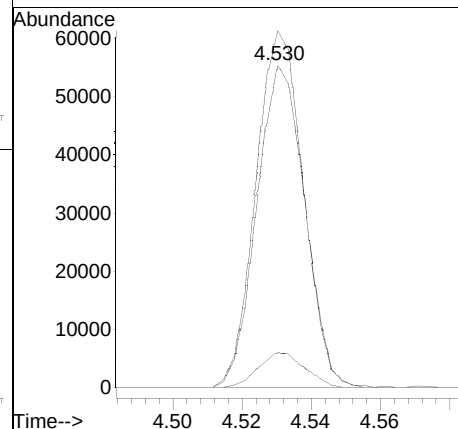
Tgt Ion:	70	Resp:	34558
Ion Ratio	Lower	Upper	
70	100		
130	20.3	18.2	27.4
101	9.0	7.8	11.8

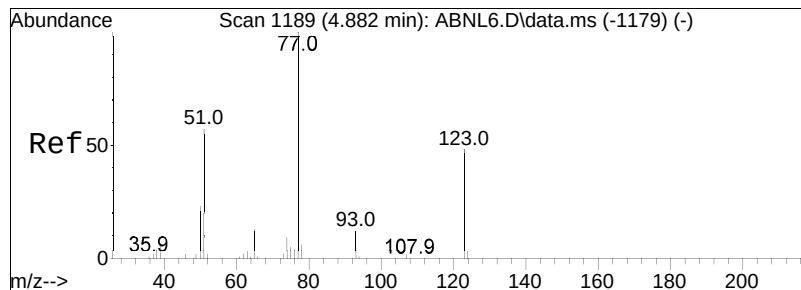




#18
 3-Methylphenol/4-Methylphenol
 Concen: 4.68 ug/ml
 RT: 4.530 min Scan# 1140
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

Tgt Ion:	108	Resp:	53179
Ion Ratio	Lower	Upper	
108	100		
107	109.9	88.6	132.8
90	10.5	8.8	13.2





#20

Nitrobenzene

Concen: 4.61 ug/ml

RT: 4.617 min Scan# 1168

Delta R.T. 0.000 min

Lab File: ABN0918.D

Acq: 18 Sep 2025 7:46 am

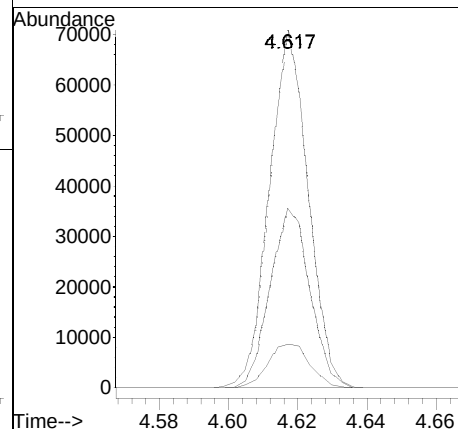
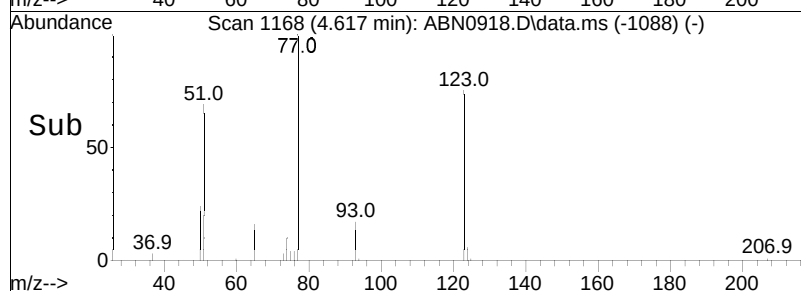
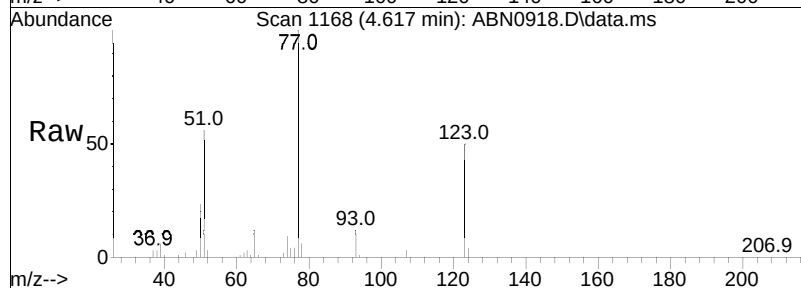
Tgt Ion: 77 Resp: 54664

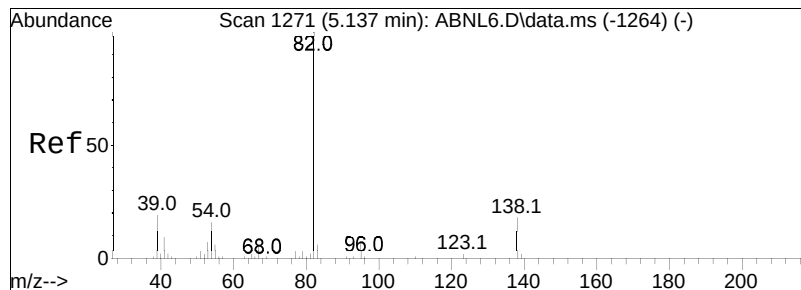
Ion Ratio Lower Upper

77 100

123 51.8 36.3 54.5

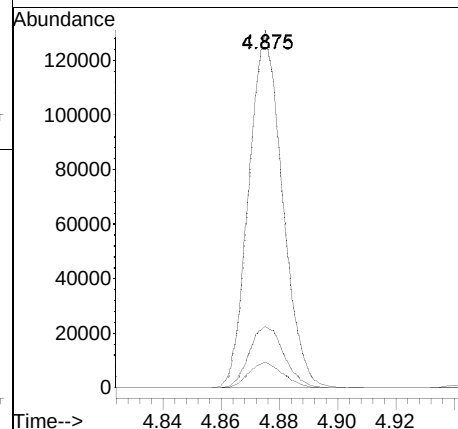
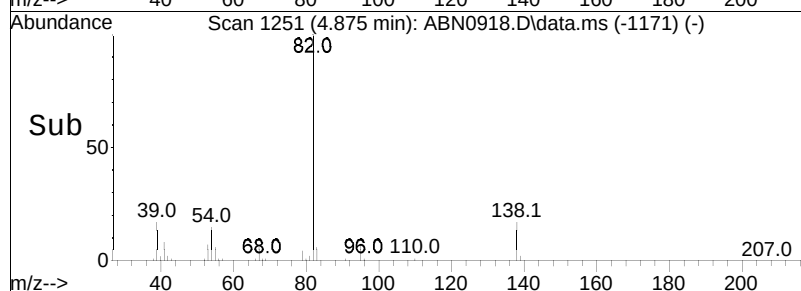
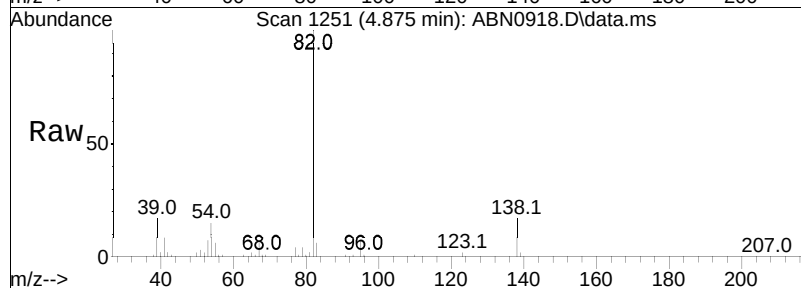
65 13.4 11.6 17.4

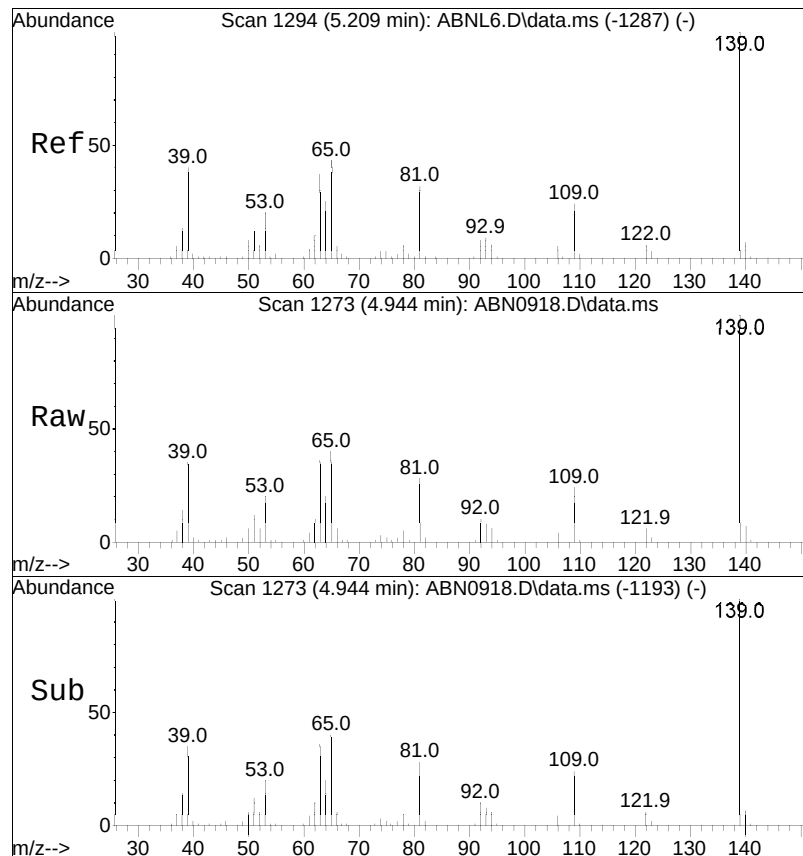




#21
 Isophorone
 Concen: 4.80 ug/ml
 RT: 4.875 min Scan# 1251
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

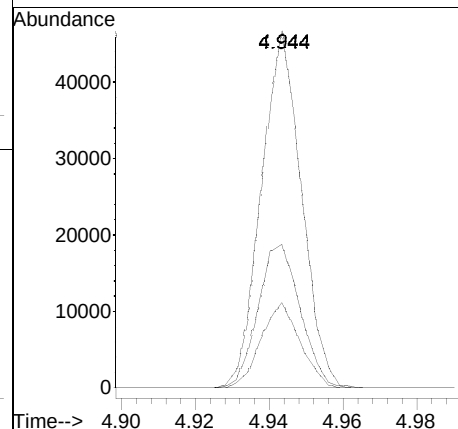
Tgt Ion	Ratio	Lower	Upper
82	100		
138	18.0	14.7	22.1
95	7.4	5.2	7.8

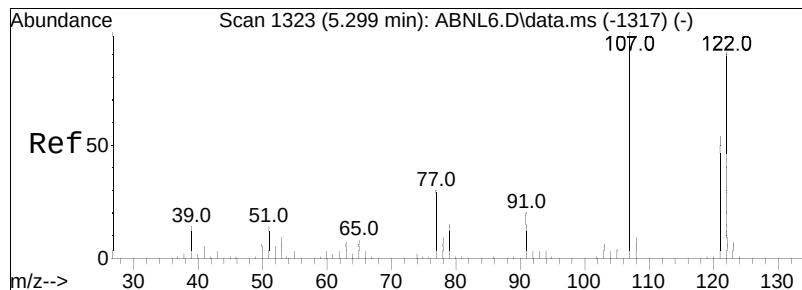




#22
 2-Nitrophenol
 Concen: 5.80 ug/ml
 RT: 4.944 min Scan# 1273
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

Tgt Ion:	139	Resp:	34962
Ion Ratio	Lower	Upper	
139	100		
109	23.5	19.4	29.0
65	42.5	46.1	69.1#





#23

2,4-Dimethylphenol

Concen: 5.24 ug/ml

RT: 5.052 min Scan# 1308

Delta R.T. 0.000 min

Lab File: ABN0918.D

Acq: 18 Sep 2025 7:46 am

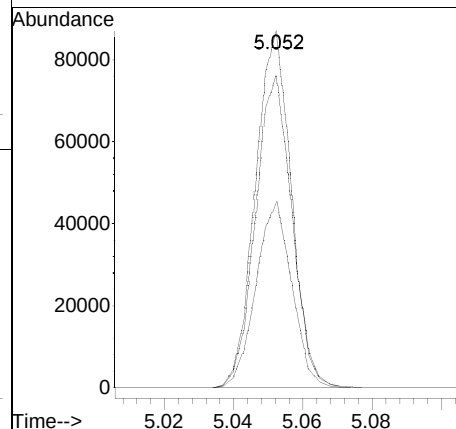
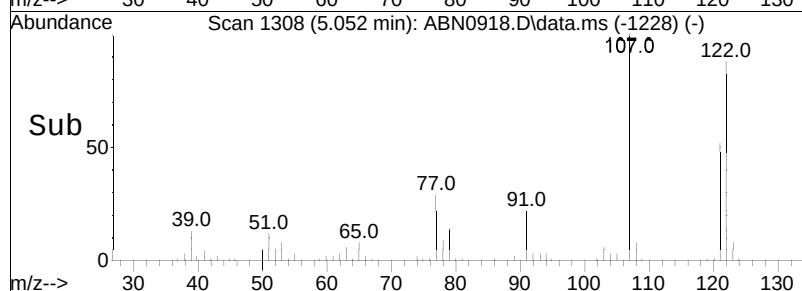
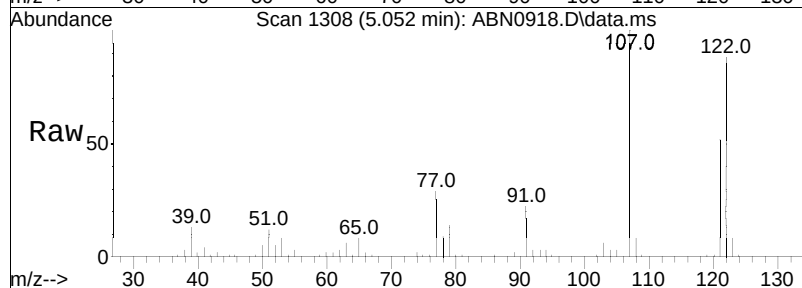
Tgt Ion:107 Resp: 62721

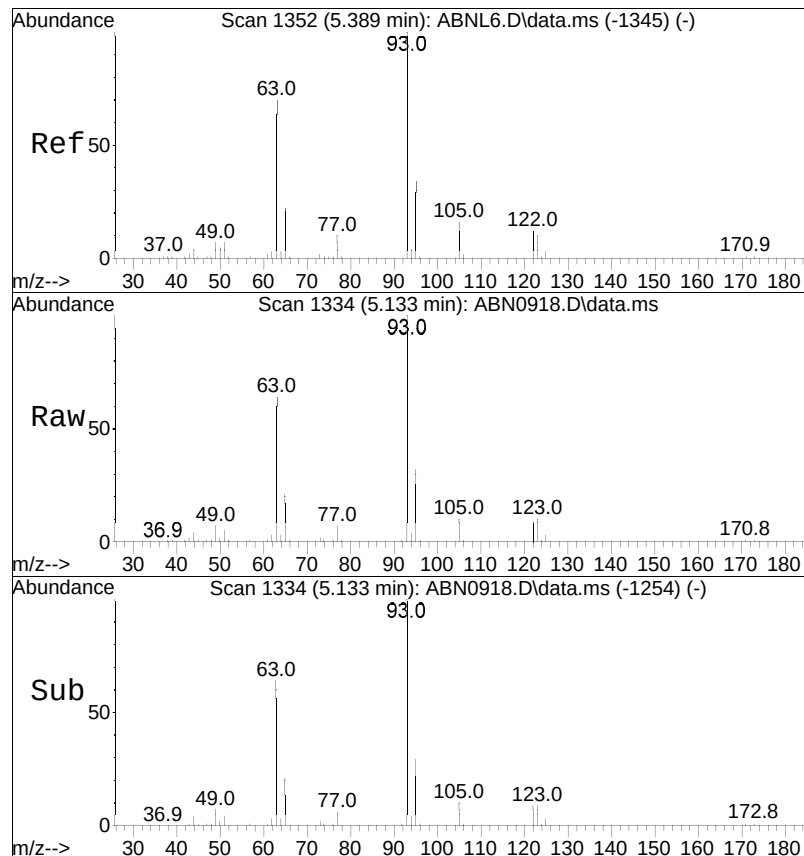
Ion Ratio Lower Upper

107 100

121 52.1 40.0 60.0

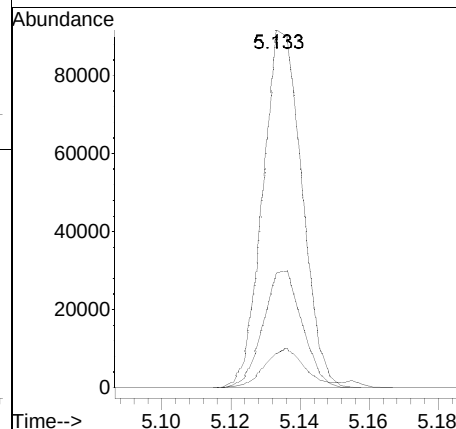
122 88.1 70.2 105.4

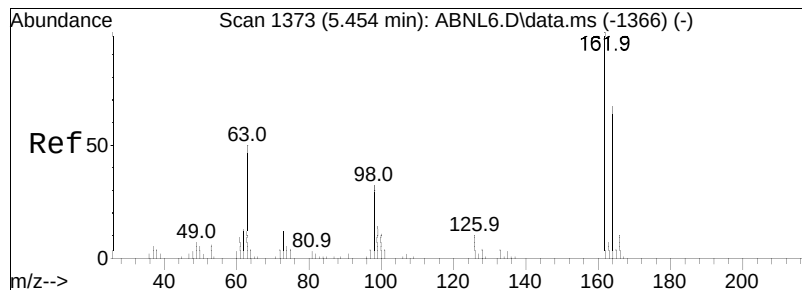




#24
 Bis(2-chloroethoxy)methane
 Concen: 4.91 ug/ml
 RT: 5.133 min Scan# 1334
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

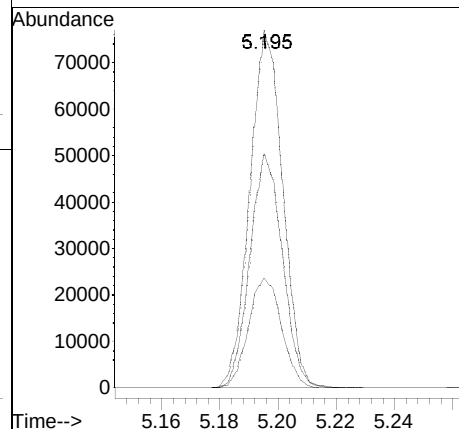
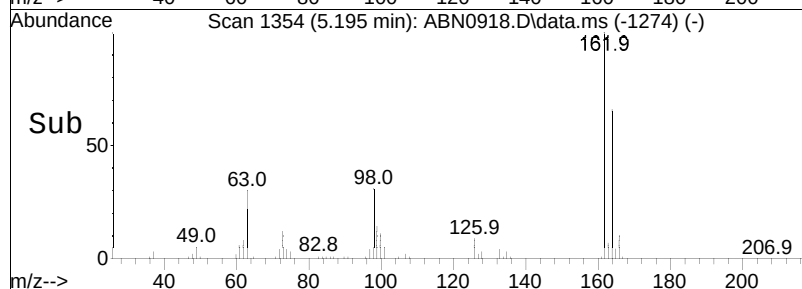
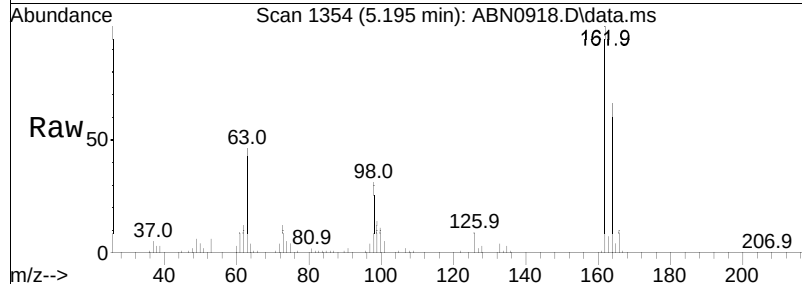
Tgt Ion:	93	Resp:	71448
Ion Ratio	Lower	Upper	
93	100		
95	32.8	25.8	38.8
123	12.6	10.1	15.1

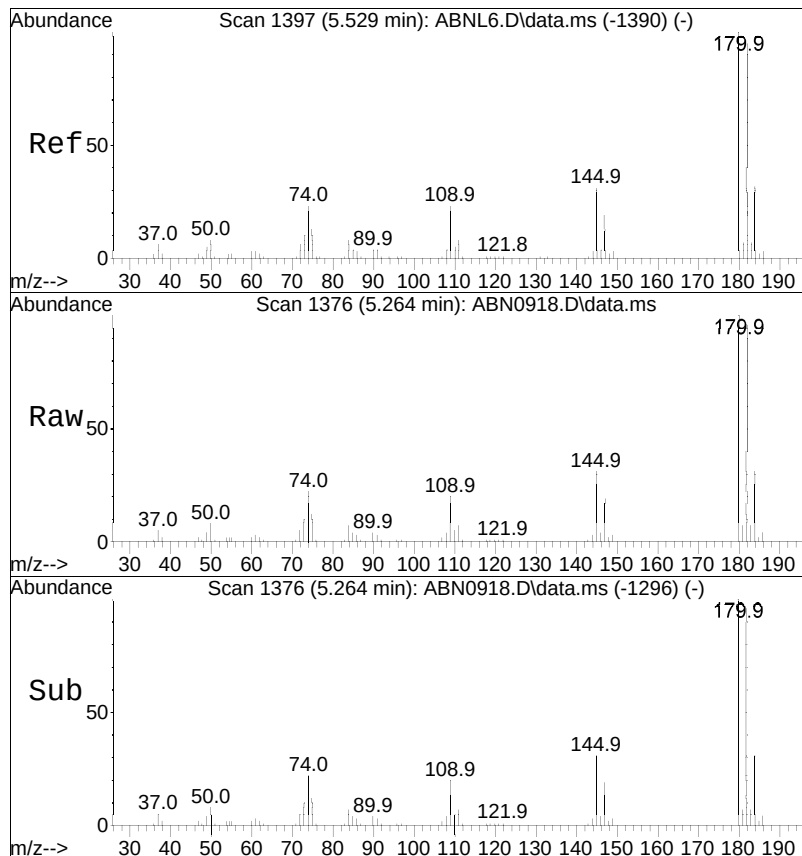




#25
 2,4-Dichlorophenol
 Concen: 5.44 ug/ml
 RT: 5.195 min Scan# 1354
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

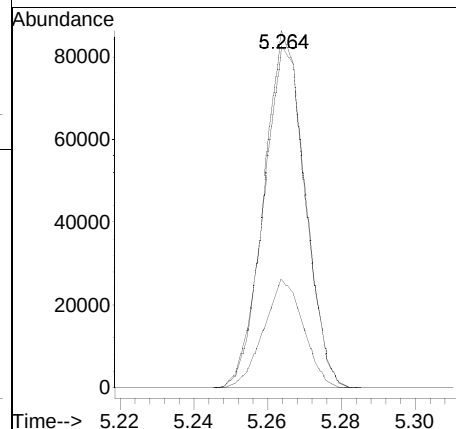
Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.7	51.0	76.4
98	31.0	32.2	48.2#

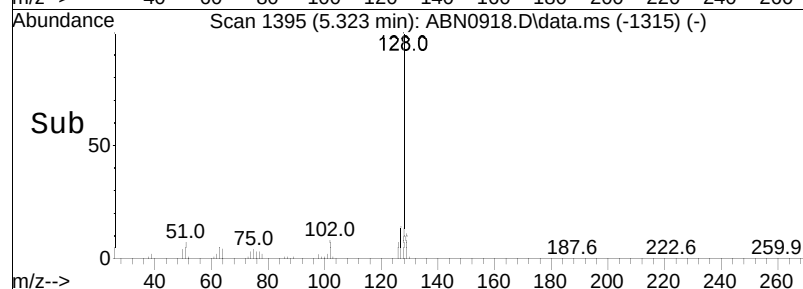
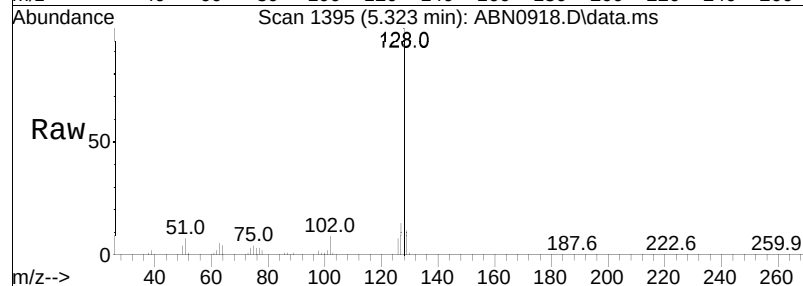
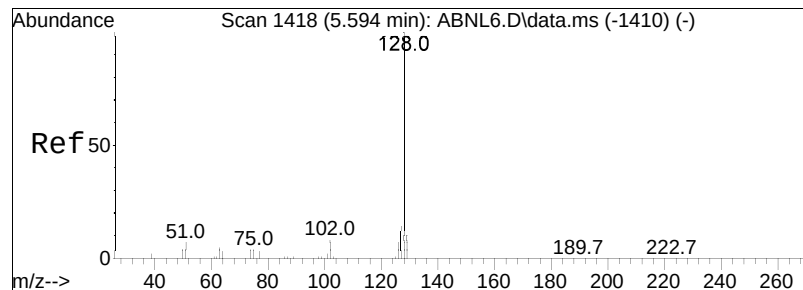




#26
 1,2,4-Trichlorobenzene
 Concen: 5.15 ug/ml
 RT: 5.264 min Scan# 1376
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

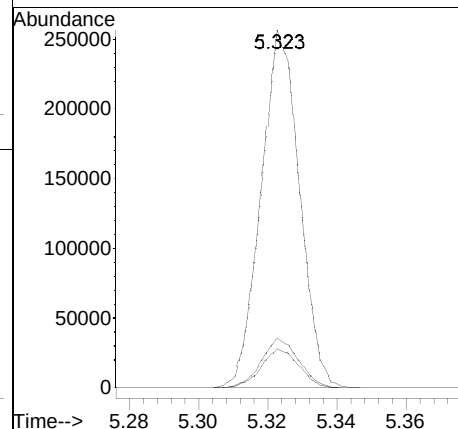
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.0	114.0
145	29.5	25.7	38.5

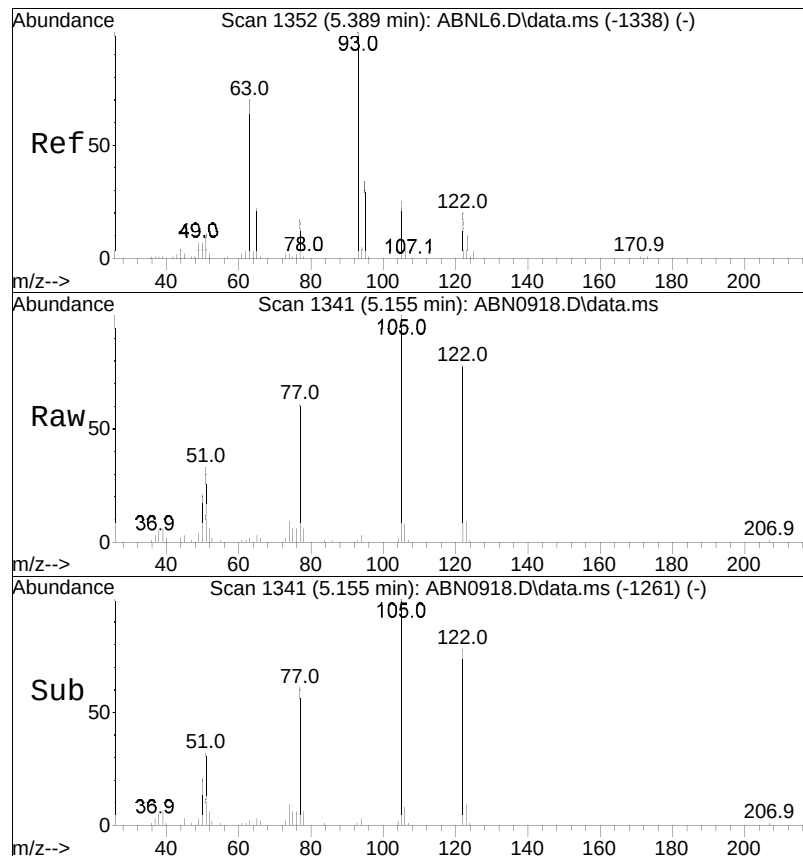




#36
Naphthalene
Concen: 4.72 ug/ml
RT: 5.323 min Scan# 1395
Delta R.T. 0.000 min
Lab File: ABN0918.D
Acq: 18 Sep 2025 7:46 am

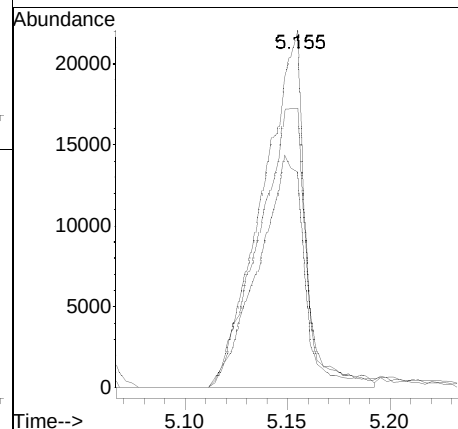
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.6	10.3	15.5

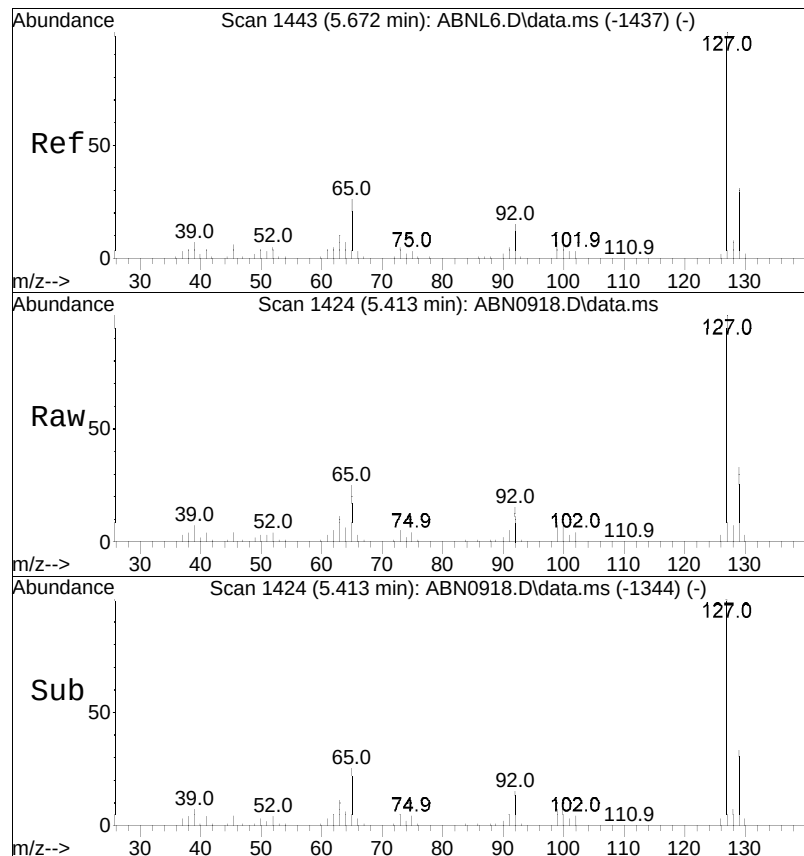




#37
 Benzoic Acid
 Concen: 3.81 ug/ml
 RT: 5.155 min Scan# 1341
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

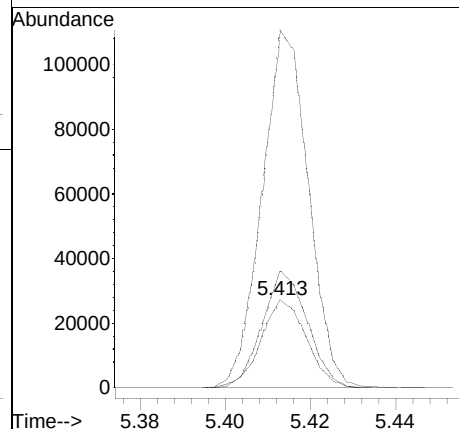
Tgt	Ion:105	Resp:	32102
Ion	Ratio	Lower	Upper
105	100		
122	86.1	59.9	89.9
77	69.5	60.1	90.1

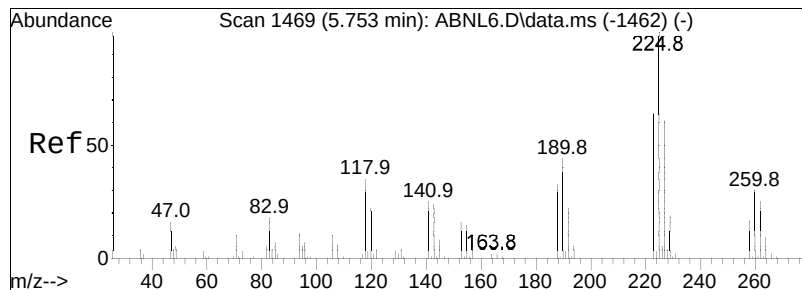




#38
 4-Chloroaniline
 Concen: 4.47 ug/ml
 RT: 5.413 min Scan# 1424
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

Tgt	Ion	Ratio	Lower	Upper
65	100			
127	413.6	237.6	356.4#	
129	132.1	76.3	114.5#	





#39

Hexachlorobutadiene

Concen: 5.12 ug/ml

RT: 5.491 min Scan# 1449

Delta R.T. 0.000 min

Lab File: ABN0918.D

Acq: 18 Sep 2025 7:46 am

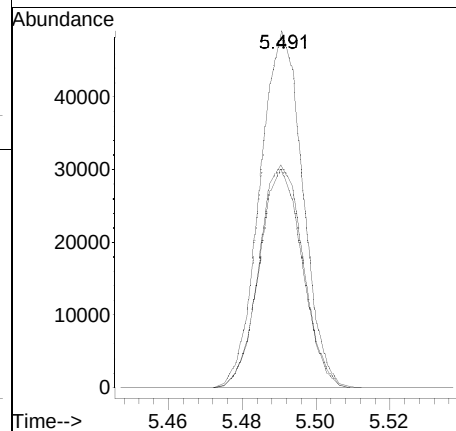
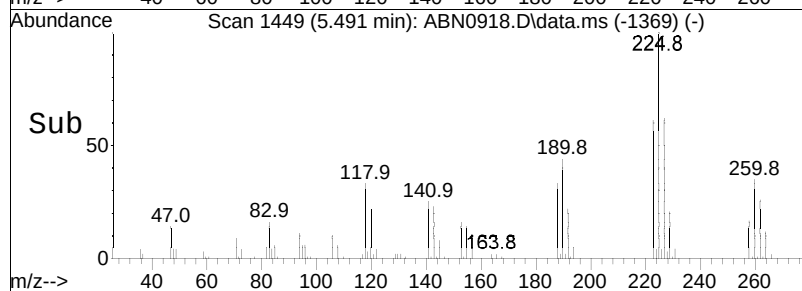
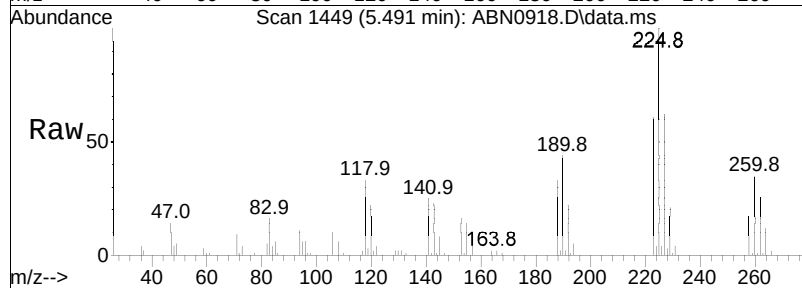
Tgt Ion: 225 Resp: 39449

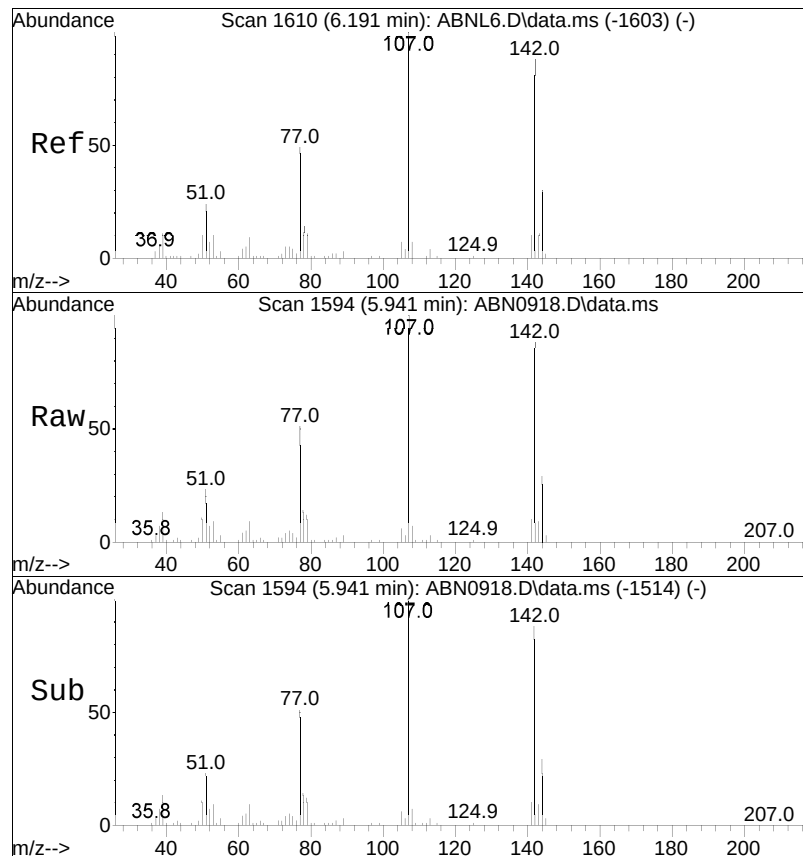
Ion Ratio Lower Upper

225 100

223 61.8 50.3 75.5

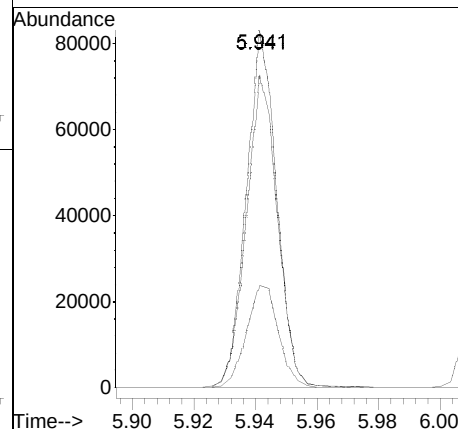
227 64.4 52.2 78.2

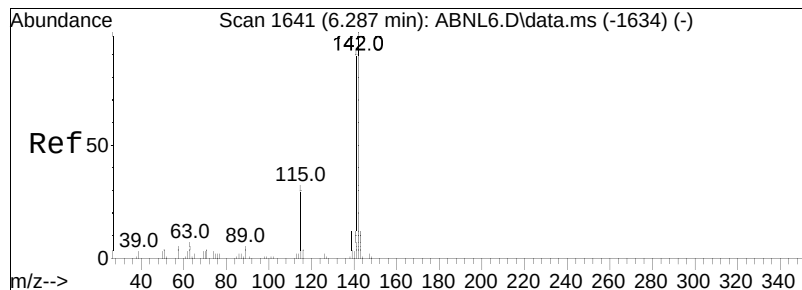




#40
 p-Chloro-m-cresol
 Concen: 5.15 ug/ml
 RT: 5.941 min Scan# 1594
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

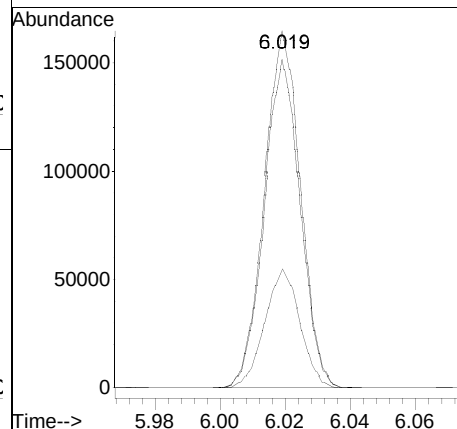
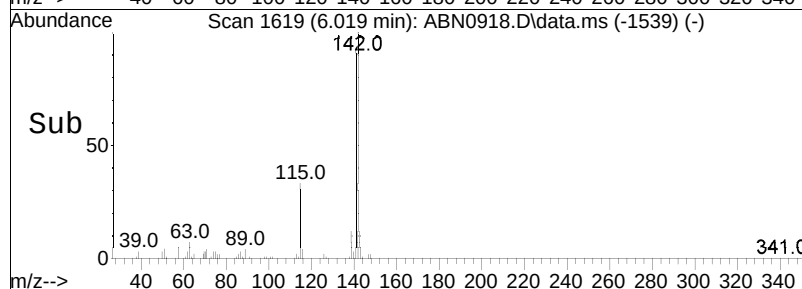
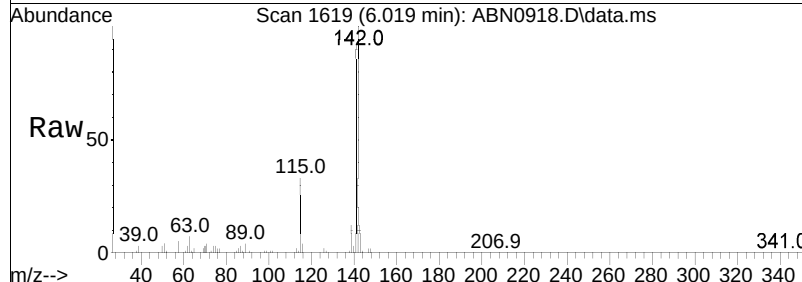
Tgt	Ion:107	Resp:	56198
Ion	Ratio	Lower	Upper
107	100		
144	30.4	20.9	31.3
142	90.3	66.1	99.1

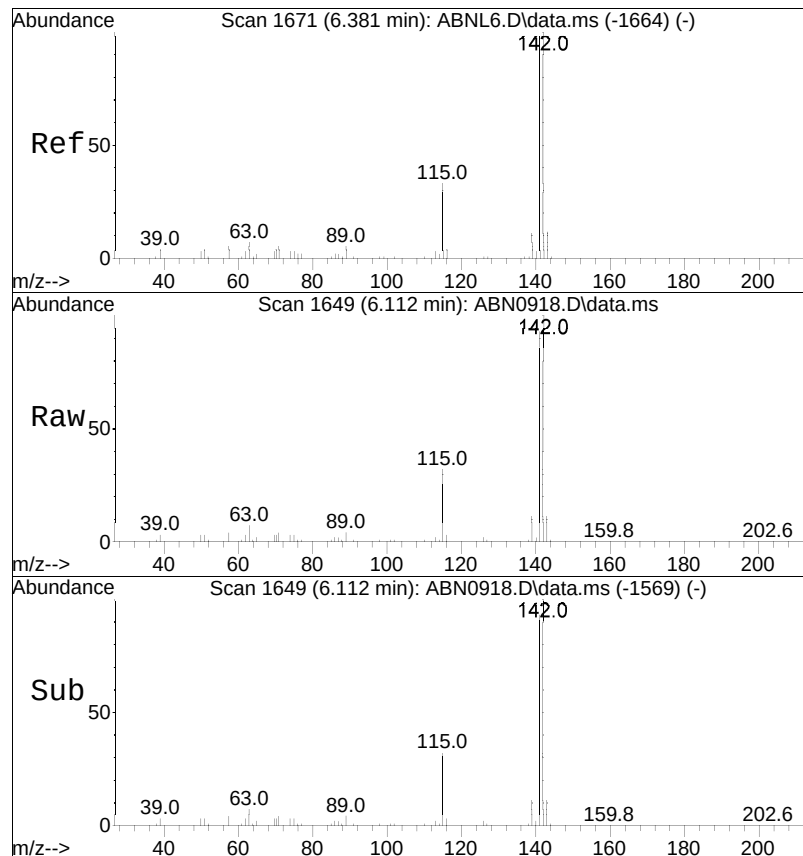




#41
 2-Methylnaphthalene
 Concen: 5.16 ug/ml
 RT: 6.019 min Scan# 1619
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

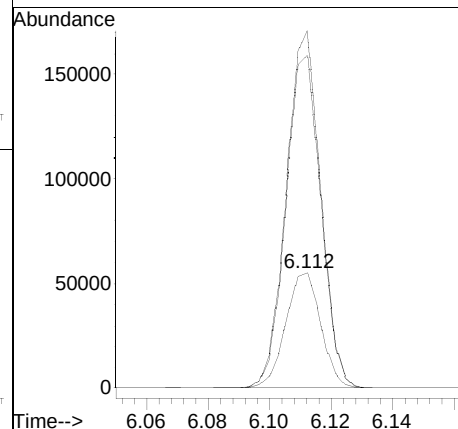
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	69.6	104.4
115	32.5	26.6	40.0

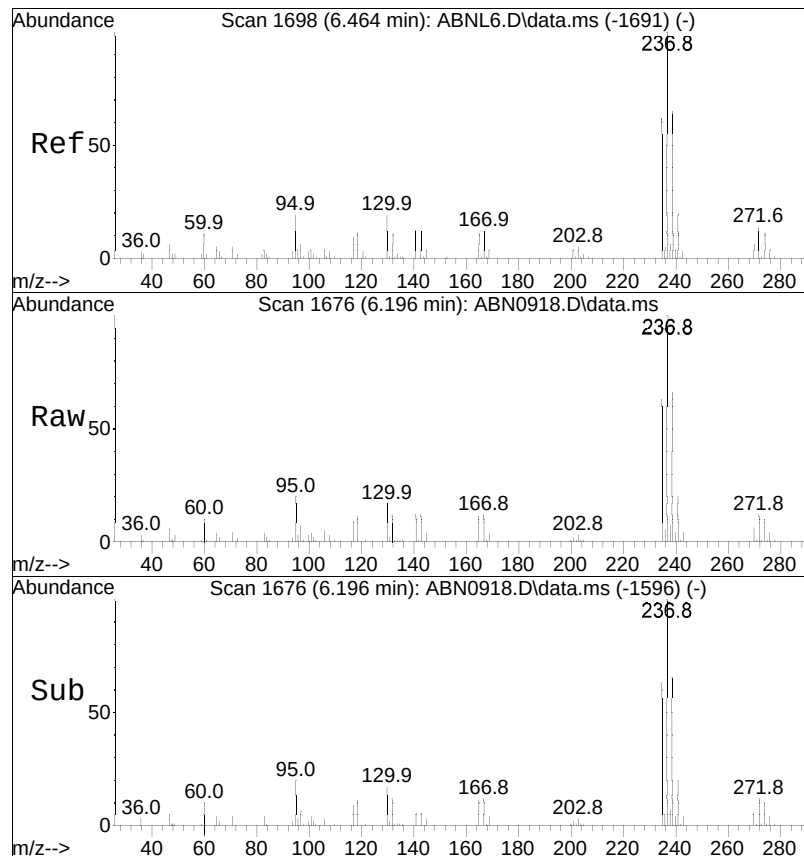




#42
 1-Methylnaphthalene
 Concen: 5.02 ug/ml
 RT: 6.112 min Scan# 1649
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

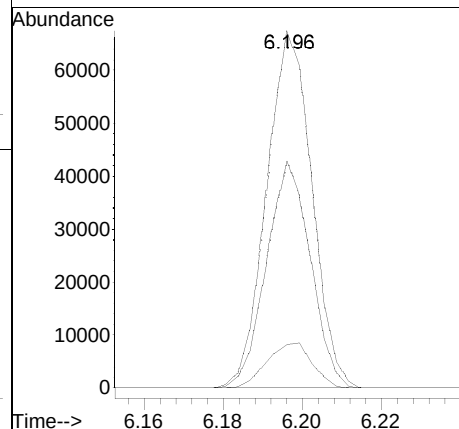
Tgt Ion	Ratio	Lower	Upper
115	100		
141	286.3	207.8	311.6
142	302.5	226.8	340.2

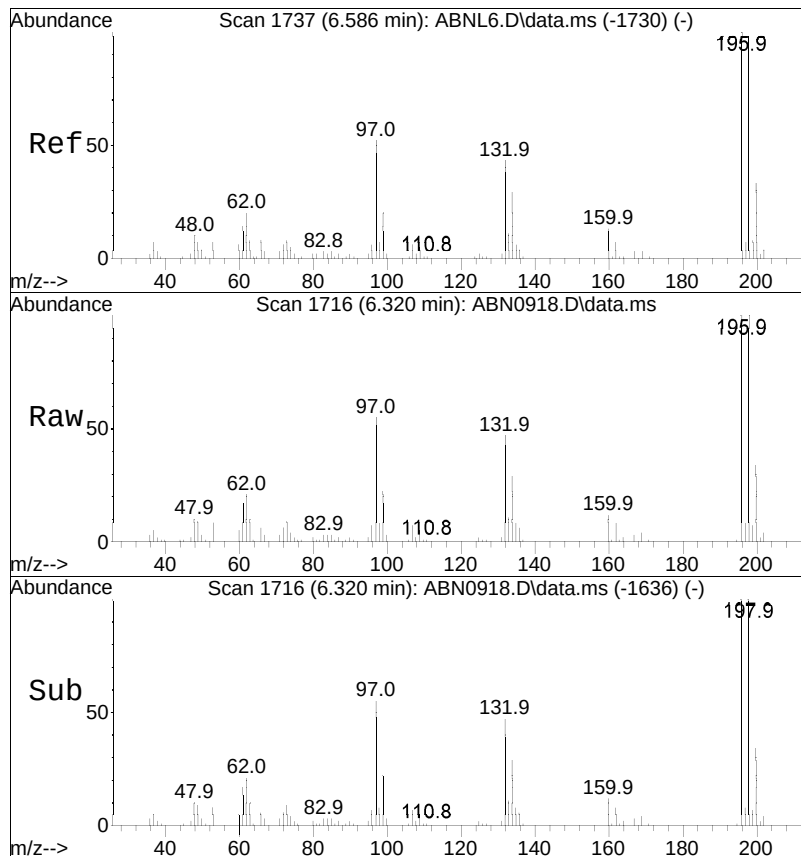




#43
 Hexachlorocyclopentadiene
 Concen: 5.47 ug/ml
 RT: 6.196 min Scan# 1676
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

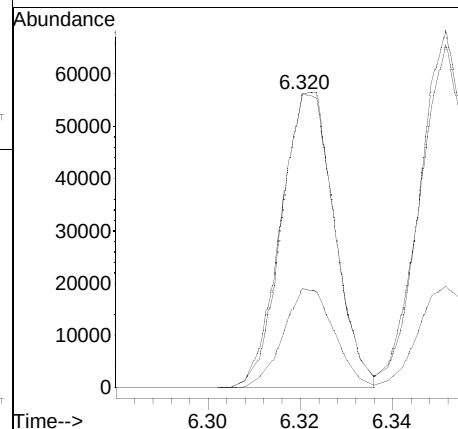
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	53394		
235	61.7		49.7	74.5
272	12.8		9.8	14.6

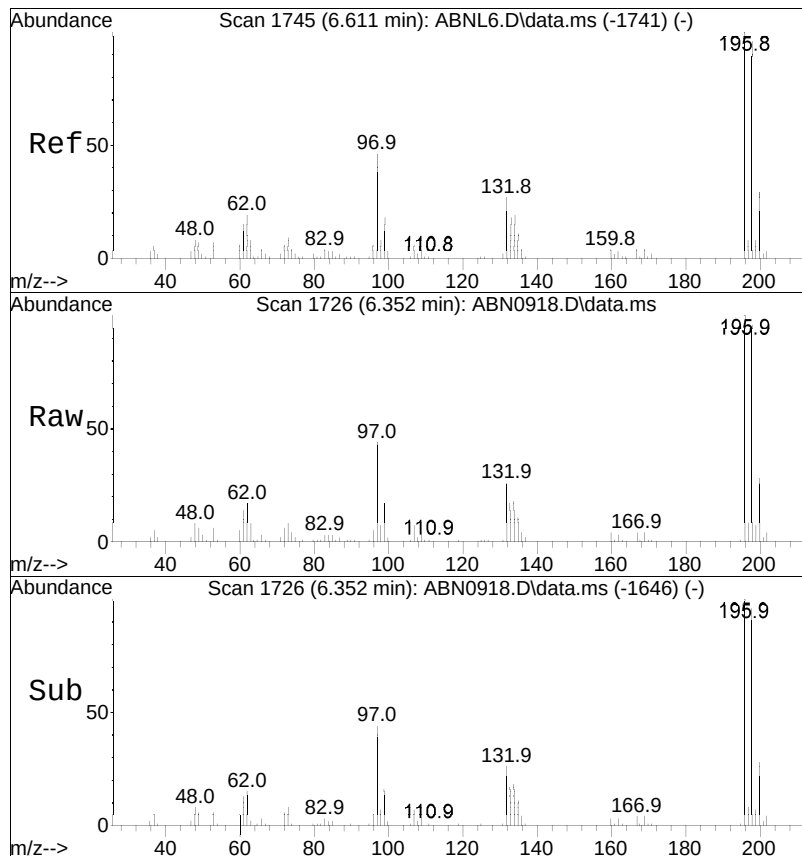




#44
 2,4,6-Trichlorophenol
 Concen: 5.55 ug/ml
 RT: 6.320 min Scan# 1716
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

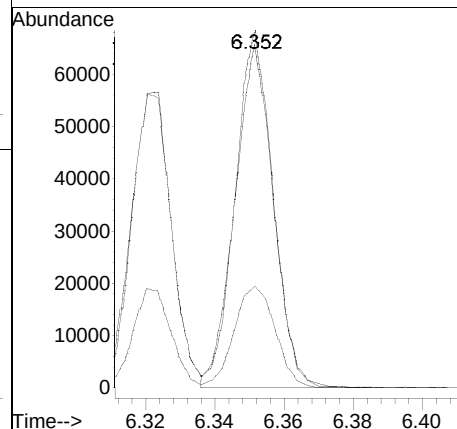
Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.9	77.5	116.3
200	32.2	23.8	35.6

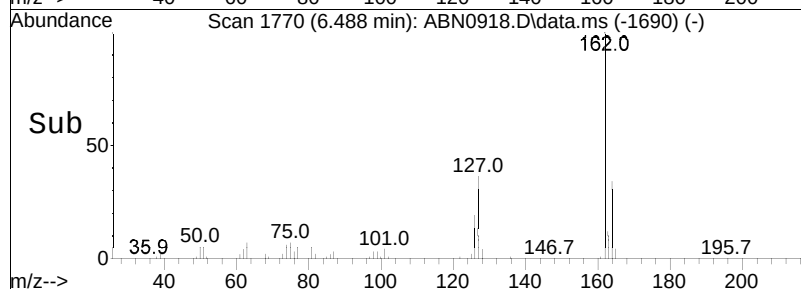
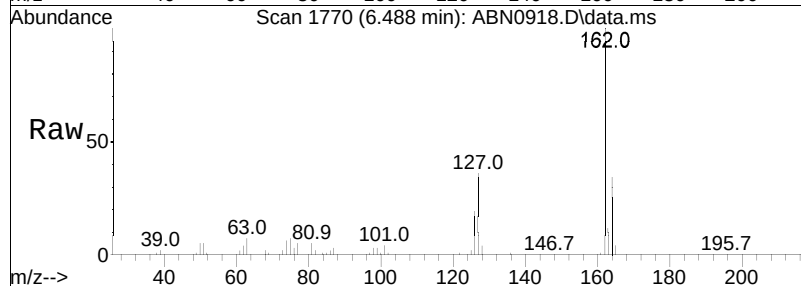
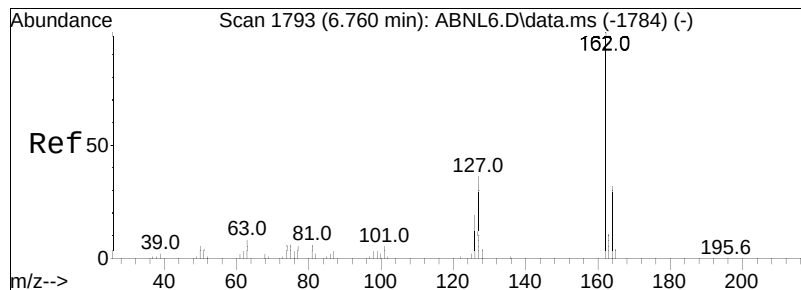




#45
 2,4,5-Trichlorophenol
 Concen: 5.70 ug/ml
 RT: 6.352 min Scan# 1726
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

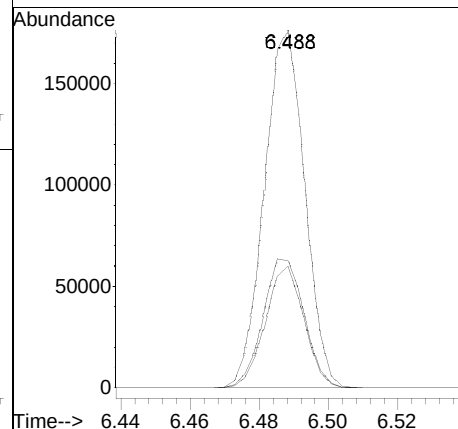
Tgt Ion:	196	Resp:	52442
Ion Ratio	Lower	Upper	
196	100		
200	30.8	25.4	38.0
198	95.4	78.0	117.0

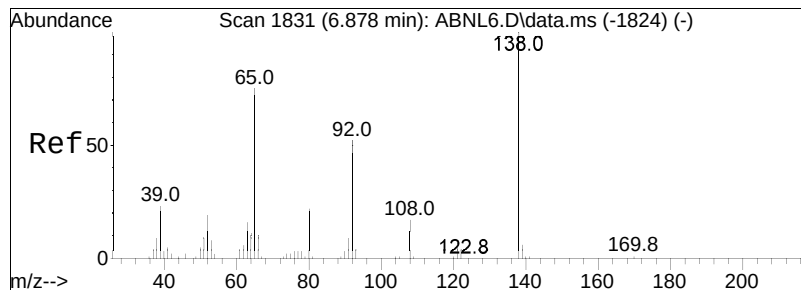




#47
 2-Chloronaphthalene
 Concen: 5.08 ug/ml
 RT: 6.488 min Scan# 1770
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

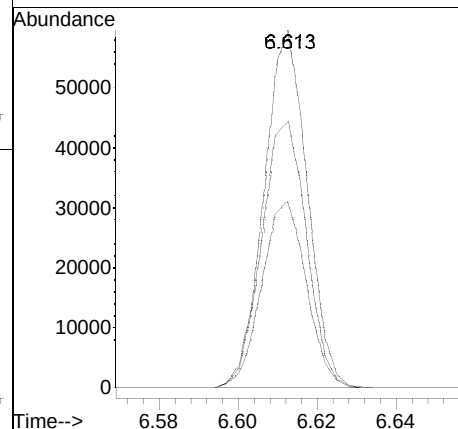
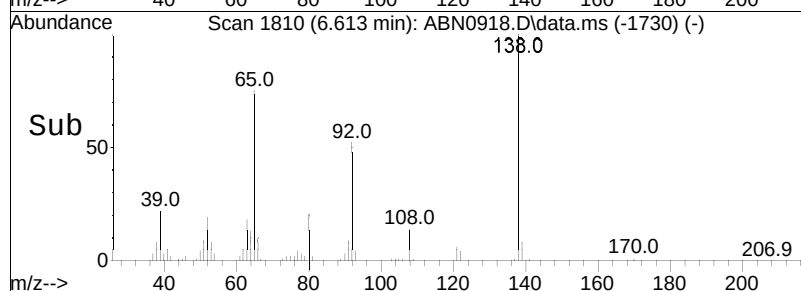
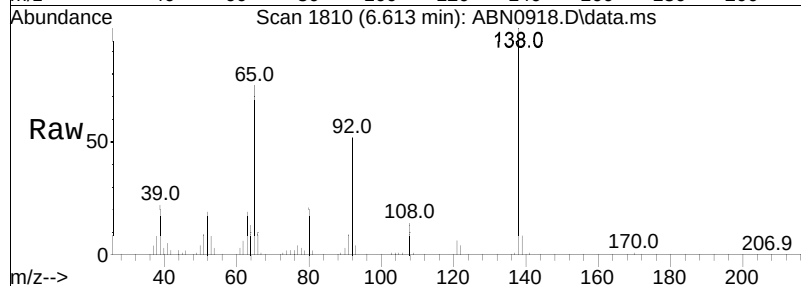
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	141788		
127	36.9		32.2	48.4
164	32.6		25.7	38.5

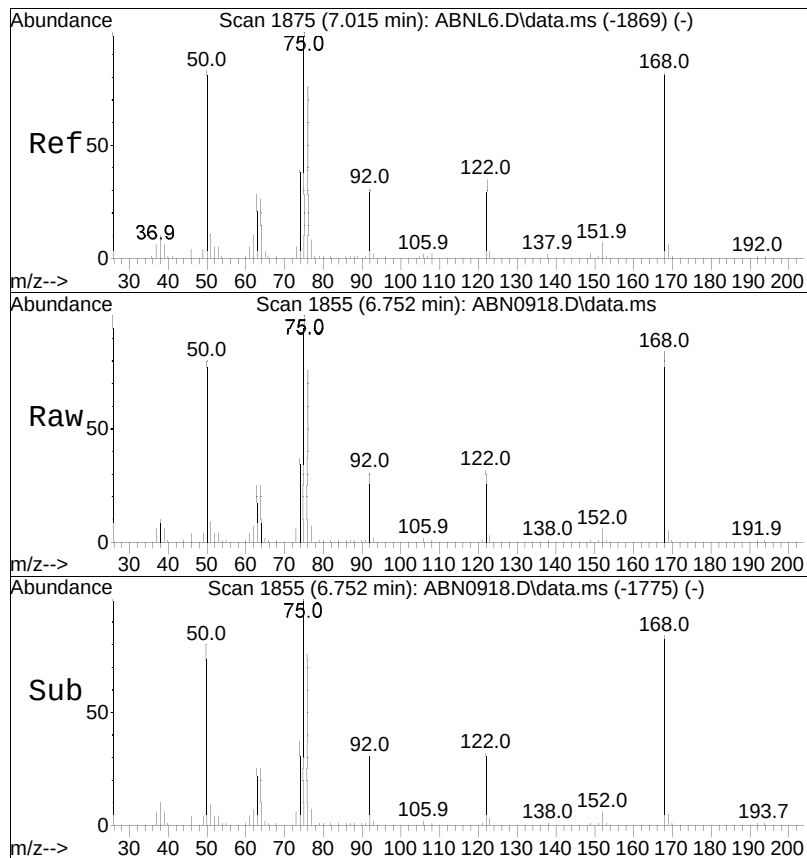




#48
 2-Nitroaniline
 Concen: 5.67 ug/ml
 RT: 6.613 min Scan# 1810
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

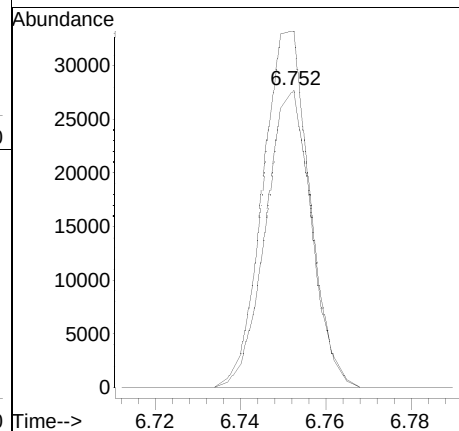
Tgt Ion:	138	Resp:	44895
Ion Ratio	Lower	Upper	
138	100		
92	54.1	53.5	80.3
65	77.4	86.3	129.5#

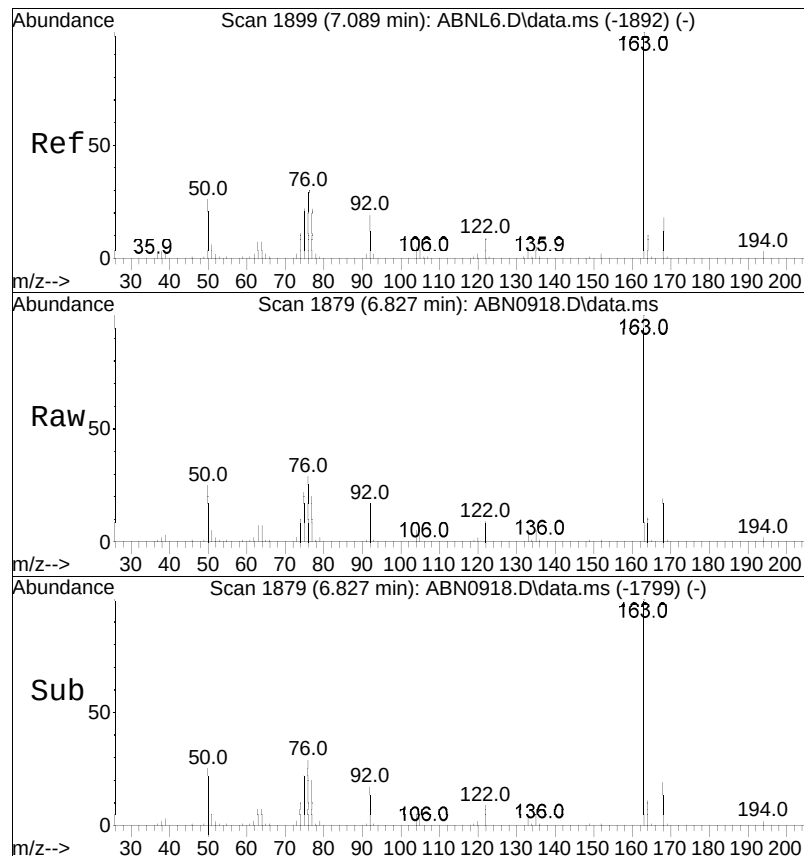




#49
 1,4-Dinitrobenzene
 Concen: 5.51 ug/ml
 RT: 6.752 min Scan# 1855
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

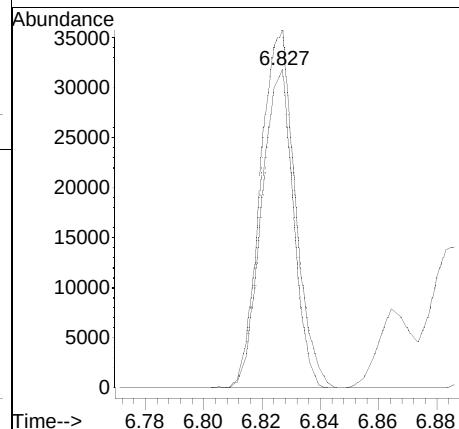
Tgt	Ion	Ratio	Lower	Upper
168	100			
75	122.8	121.8	182.8	

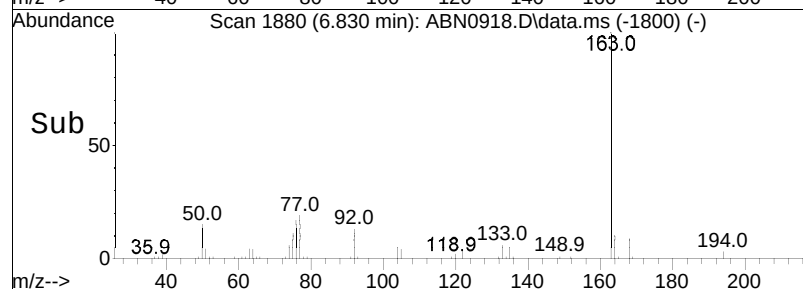
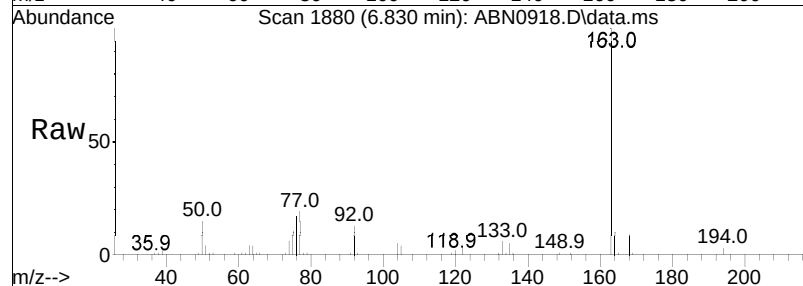
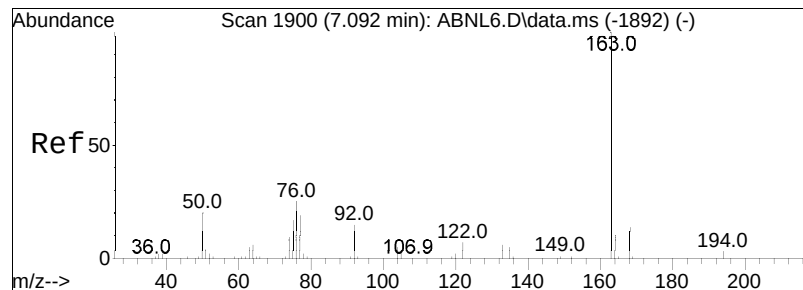




#50
 1,3-Dinitrobenzene
 Concen: 5.59 ug/ml M3
 RT: 6.827 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

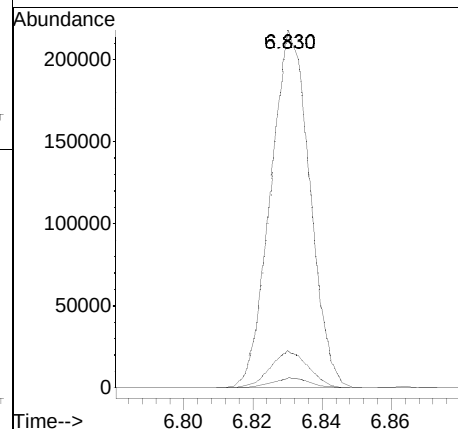
Tgt Ion:168 Resp: 23987
 Ion Ratio Lower Upper
 168 100
 75 17.8 22.7 34.1#

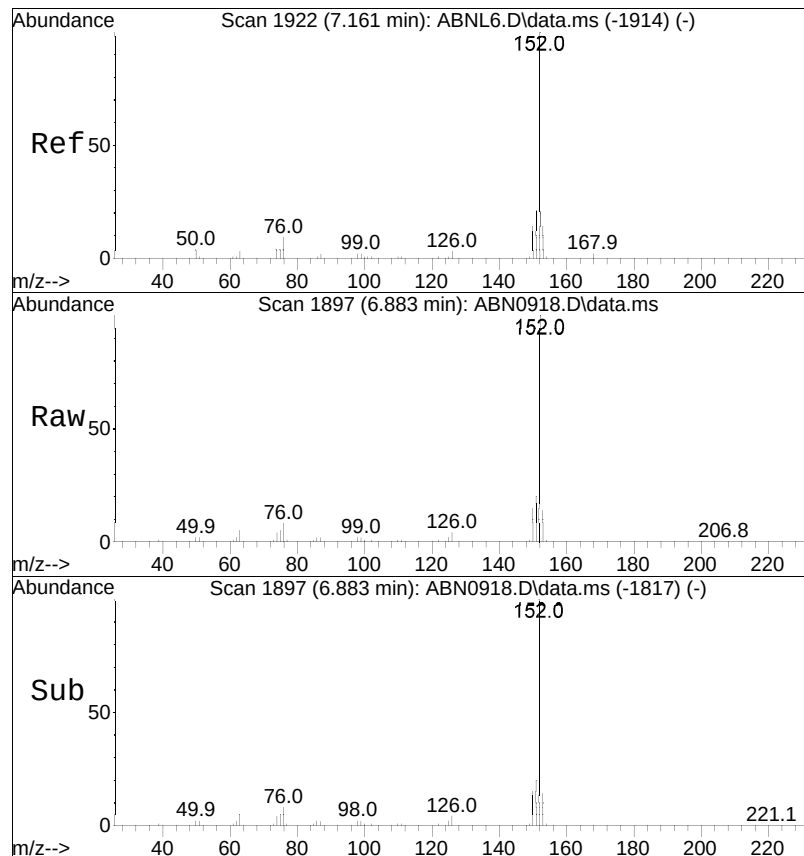




#51
 Dimethyl phthalate
 Concen: 5.16 ug/ml
 RT: 6.830 min Scan# 1880
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

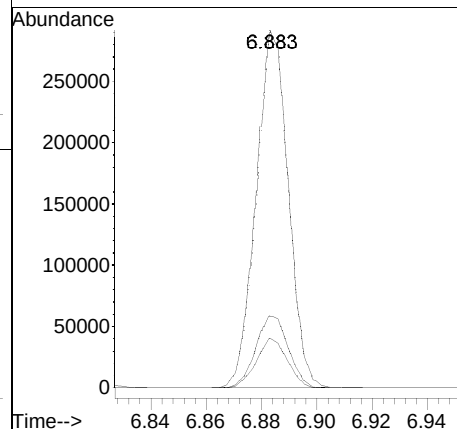
Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.8	3.5	5.3#
164	10.2	7.9	11.9

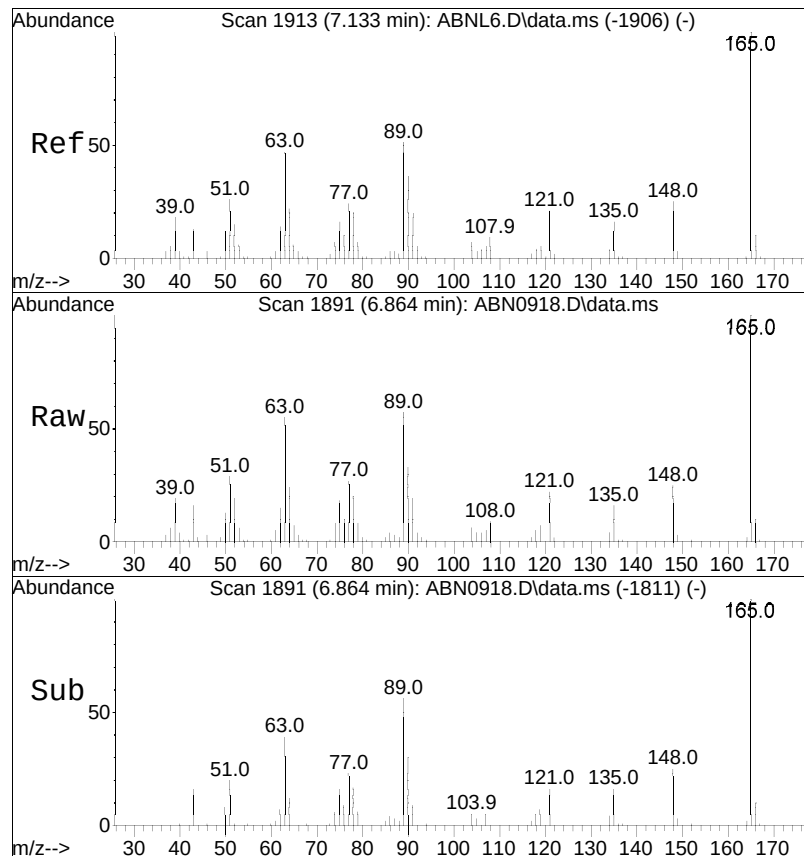




#52
 Acenaphthylene
 Concen: 5.18 ug/ml
 RT: 6.883 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

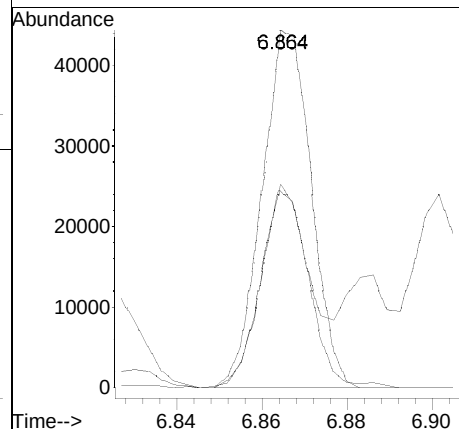
Tgt	Ion	Ratio	Resp	Lower	Upper
152	100		233096		
151	20.5			15.8	23.6
153	13.5			10.5	15.7

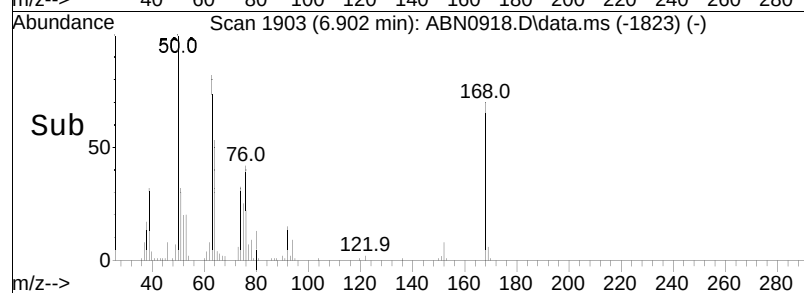
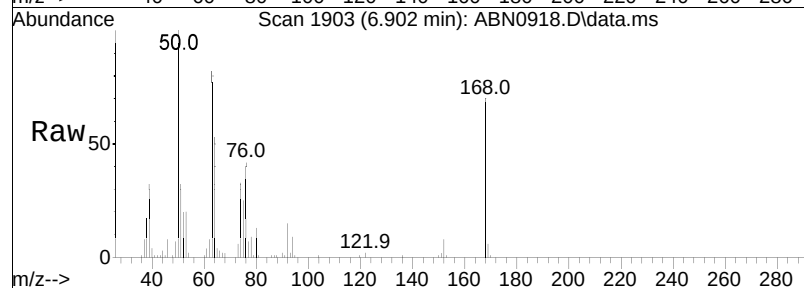
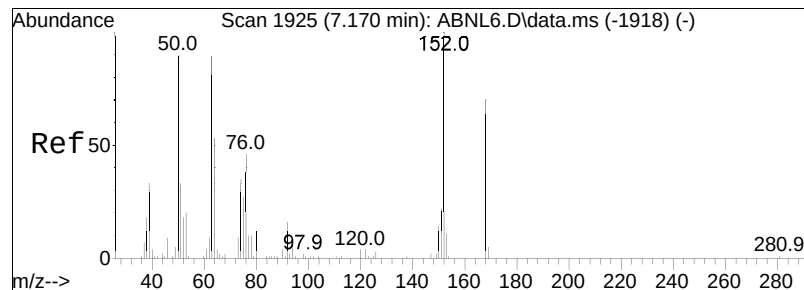




#53
 2,6-Dinitrotoluene
 Concen: 5.54 ug/ml
 RT: 6.864 min Scan# 1891
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

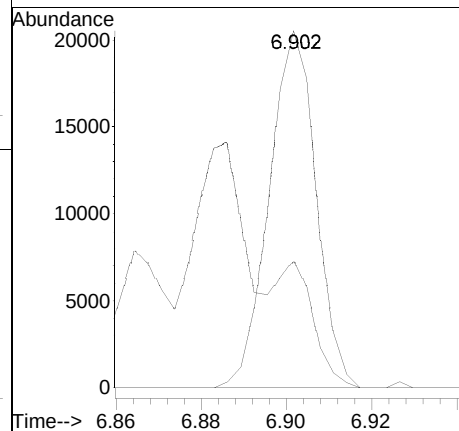
Tgt Ion:	165	Resp:	35601
Ion Ratio	Lower	Upper	
165	100		
89	54.4	54.2	81.2
63	57.9	64.2	96.2#

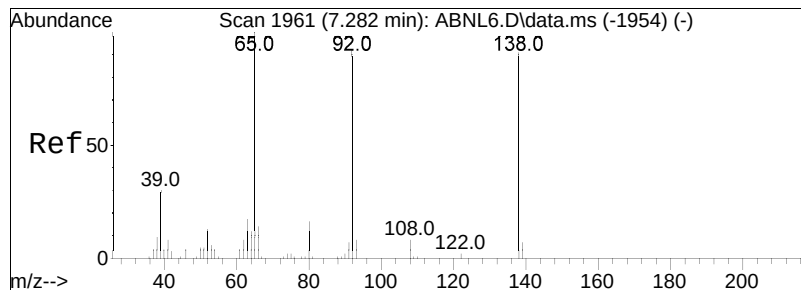




#54
 1,2-Dinitrobenzene
 Concen: 5.60 ug/ml
 RT: 6.902 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

Tgt Ion	Ratio	Lower	Upper
168	100		
75	27.2	30.9	46.3#





#64

3-Nitroaniline

Concen: 4.99 ug/ml

RT: 7.017 min Scan# 1940

Delta R.T. 0.000 min

Lab File: ABN0918.D

Acq: 18 Sep 2025 7:46 am

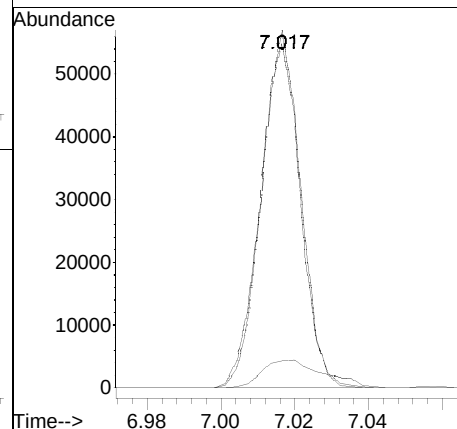
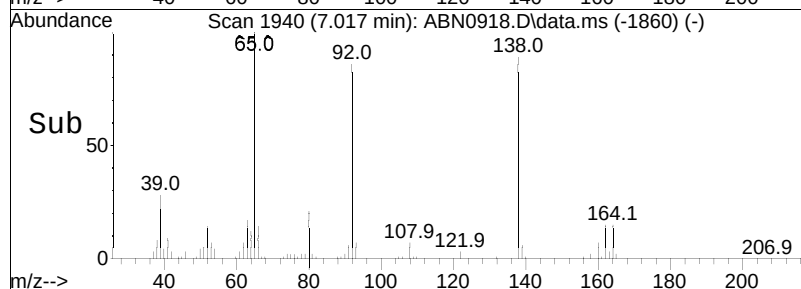
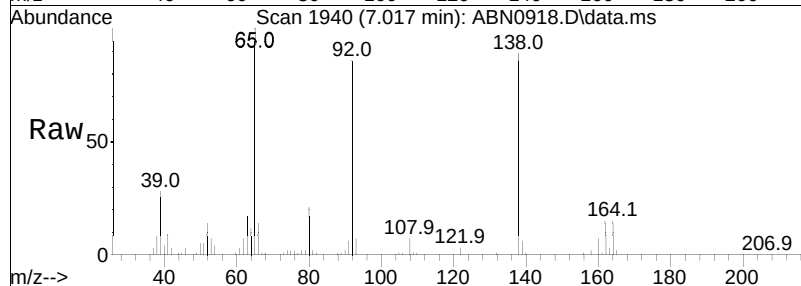
Tgt Ion:138 Resp: 41467

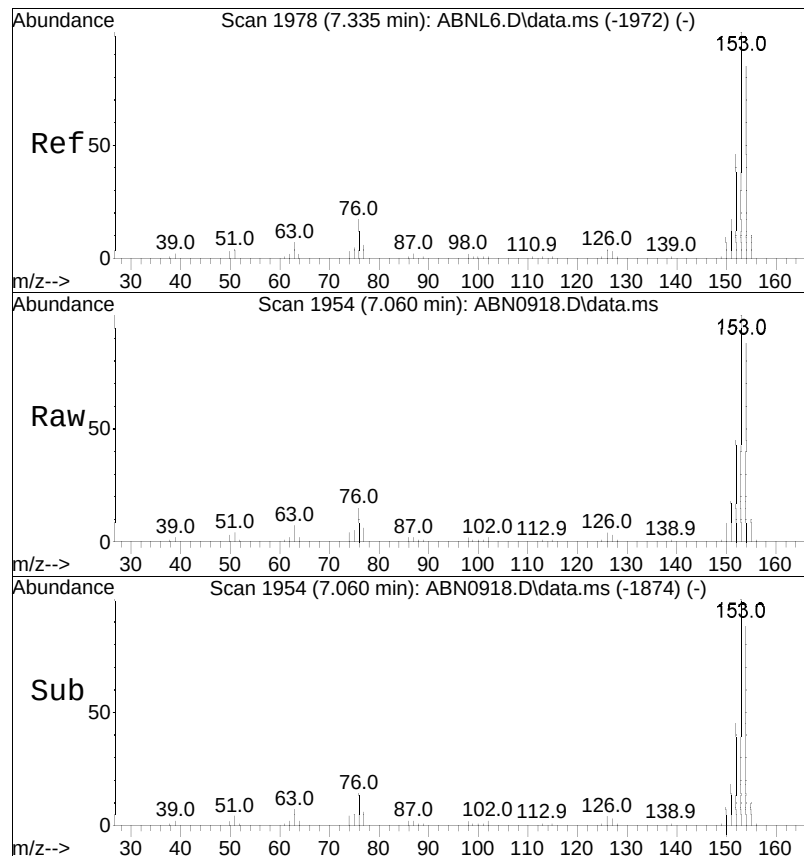
Ion Ratio Lower Upper

138 100

92 99.8 93.4 140.2

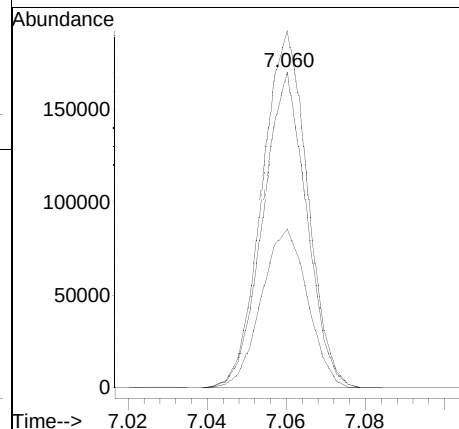
108 12.4 9.5 14.3

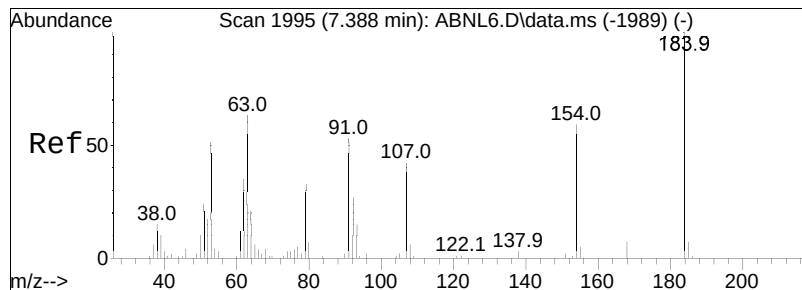




#65
 Acenaphthene
 Concen: 4.71 ug/ml
 RT: 7.060 min Scan# 1954
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

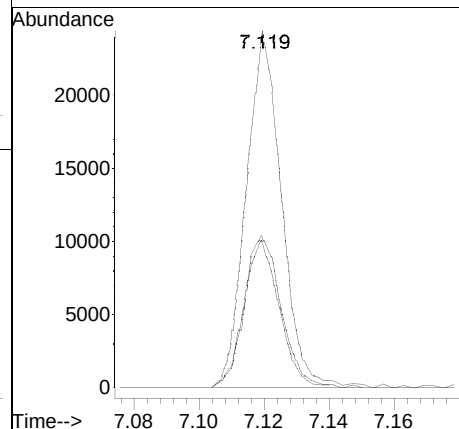
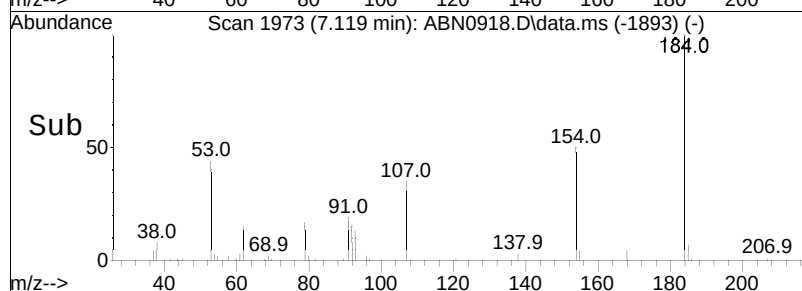
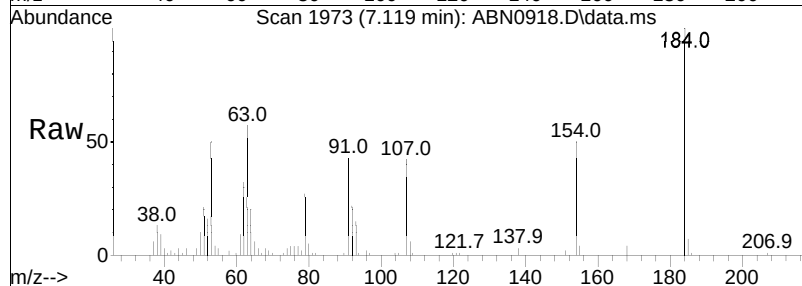
Tgt	Ion	154	Resp:	130	154
Ion	Ratio	Lower	Upper		
154	100				
153	117.2	85.3	127.9		
152	53.4	41.4	62.0		

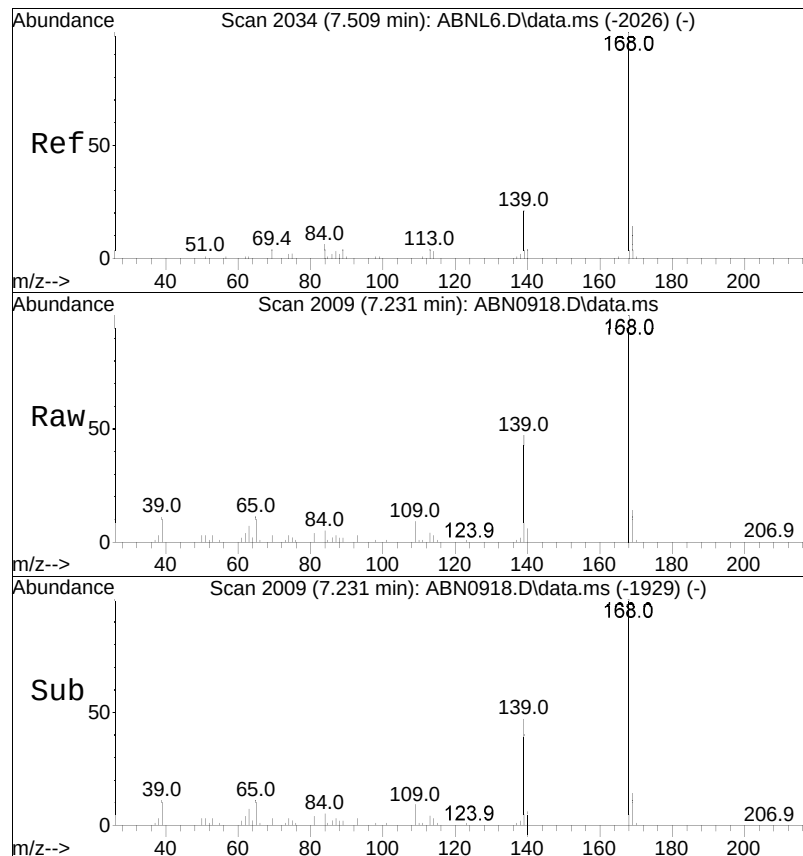




#66
 2,4-Dinitrophenol
 Concen: 4.52 ug/ml
 RT: 7.119 min Scan# 1973
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

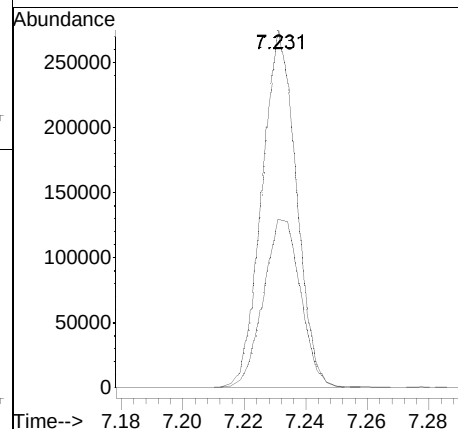
Tgt Ion	Ratio	Lower	Upper
184	100		
107	41.7	37.7	56.5
91	45.1	46.3	69.5#

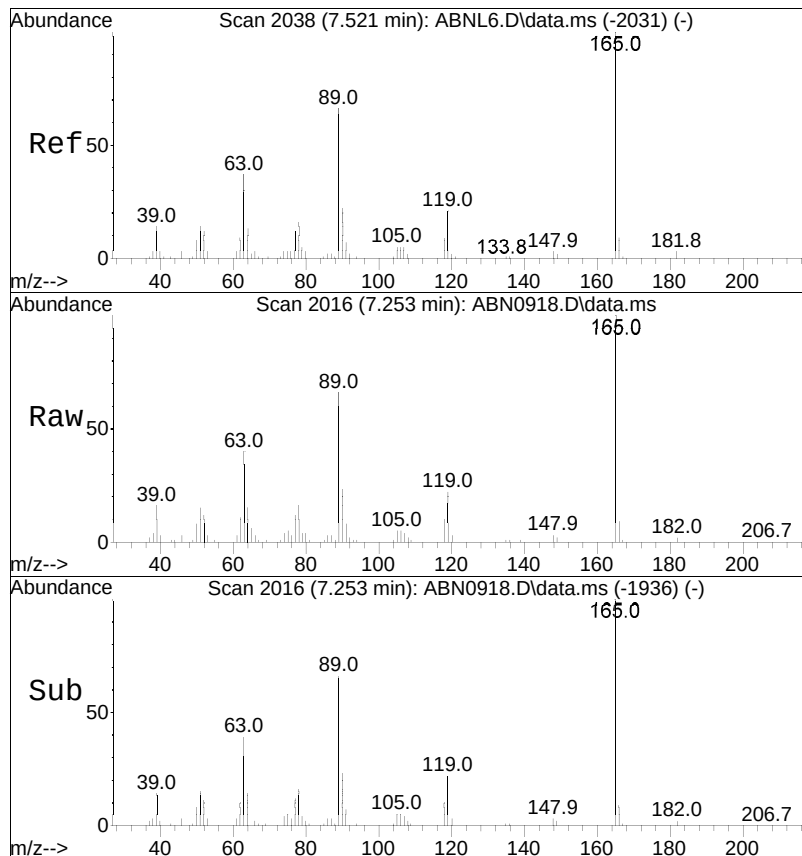




#67
 Dibenzofuran
 Concen: 4.70 ug/ml
 RT: 7.231 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

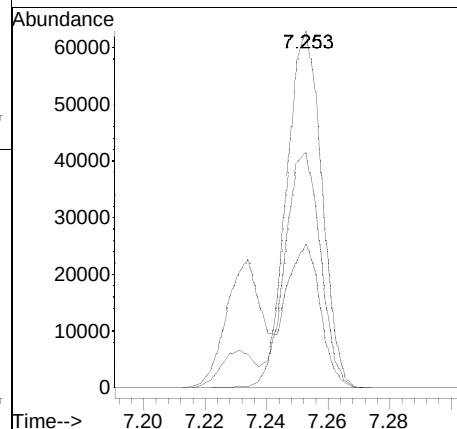
Tgt Ion	Ratio	Lower	Upper
168	100		
139	51.2	31.4	47.2#

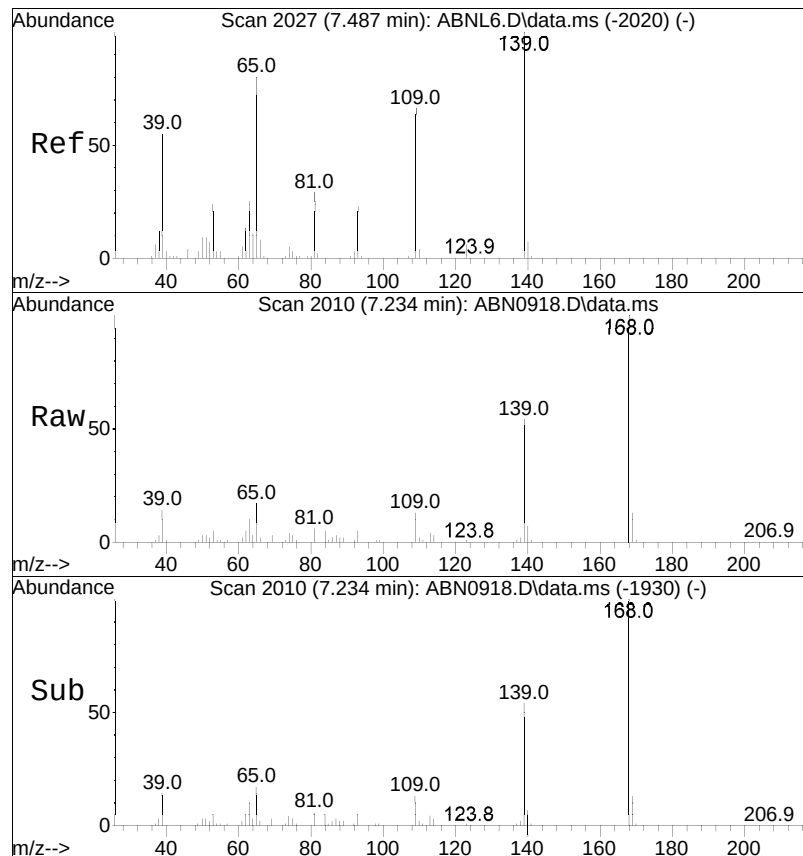




#68
 2,4-Dinitrotoluene
 Concen: 5.34 ug/ml
 RT: 7.253 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

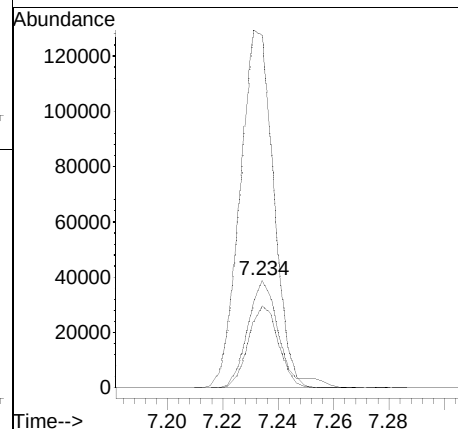
Tgt	Ion	Ratio	Resp	Lower	Upper
165	100		50022		
89	66.2	72.0		108.0#	
63	36.8	52.7		79.1#	

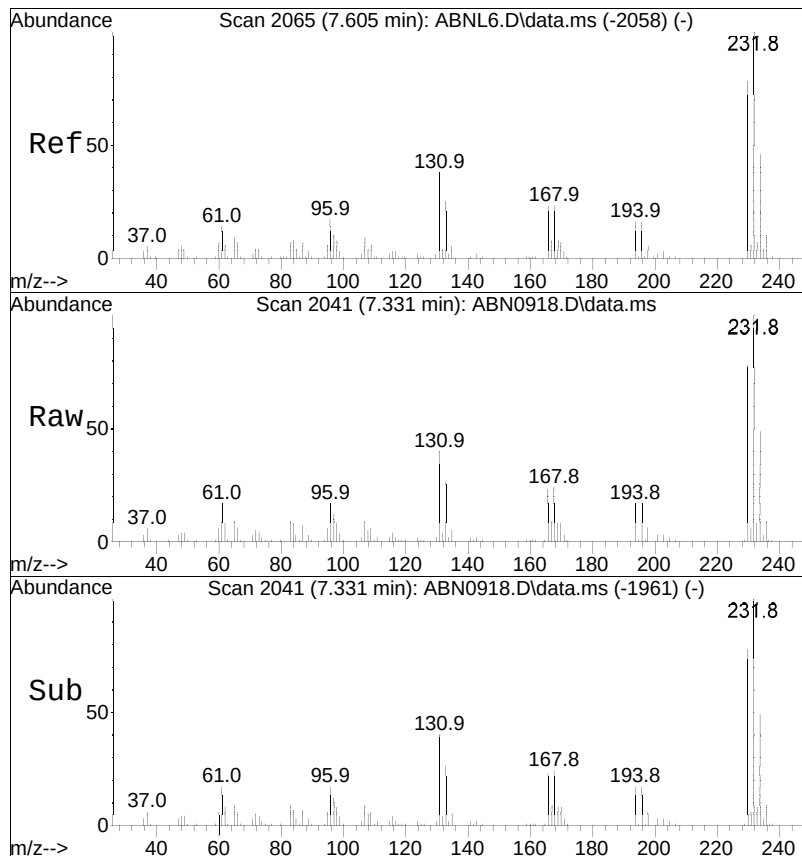




#69
 4-Nitrophenol
 Concen: 5.37 ug/ml
 RT: 7.234 min Scan# 2010
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

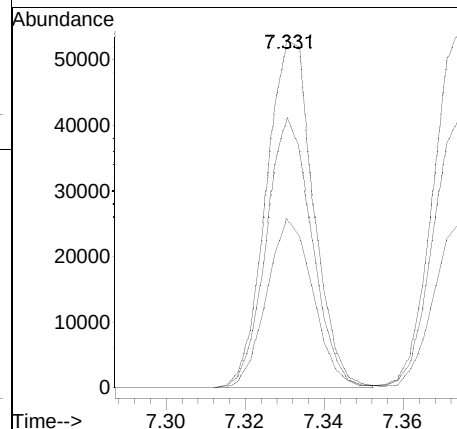
Tgt Ion:	65	Resp:	31158
Ion Ratio	Lower	Upper	
65	100		
109	72.6	47.4	71.2#
139	347.0	76.6	115.0#

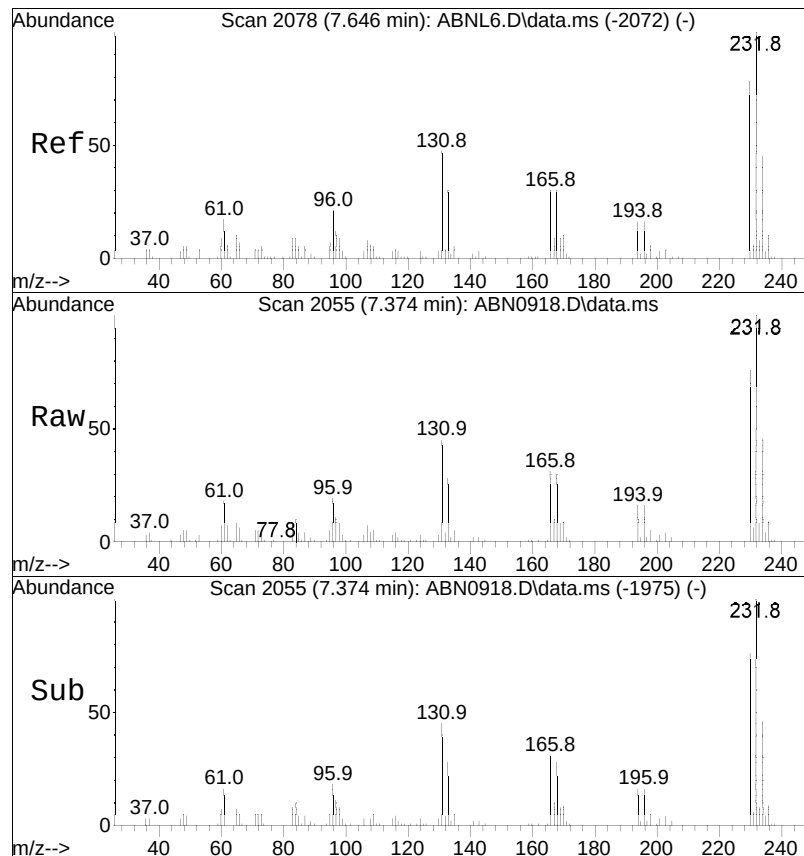




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 5.33 ug/ml
 RT: 7.331 min Scan# 2041
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

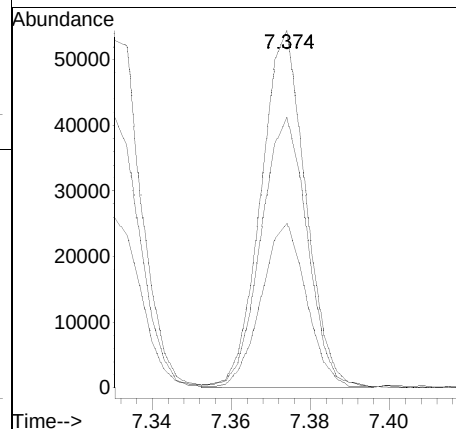
Tgt Ion:	232	Resp:	44065
Ion Ratio	Lower	Upper	
232	100		
230	75.4	64.2	96.4
234	47.9	38.1	57.1

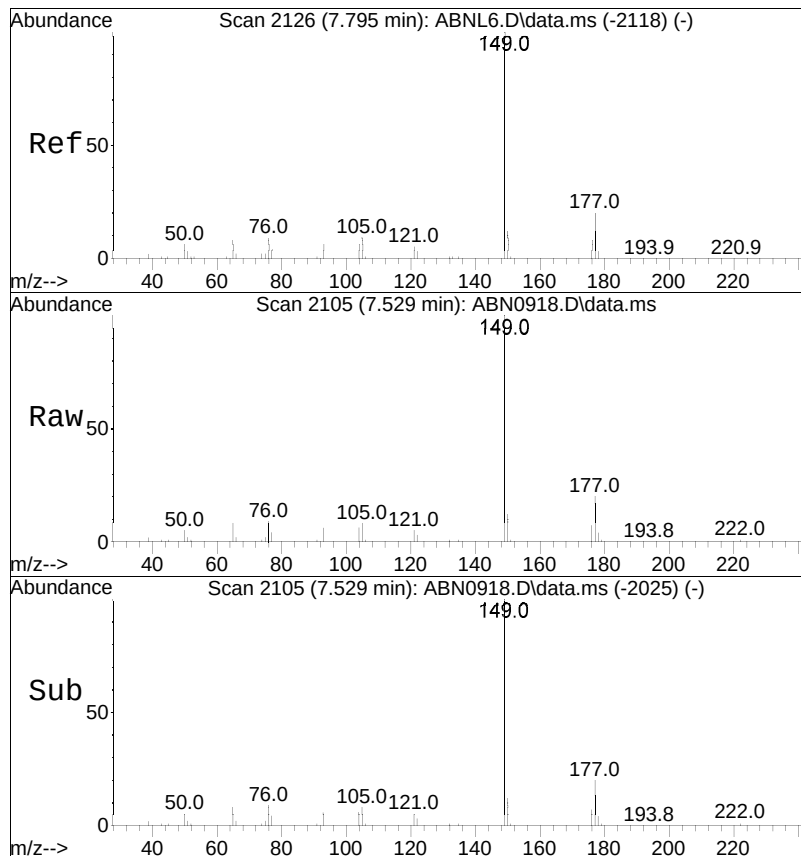




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 5.30 ug/ml
 RT: 7.374 min Scan# 2055
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

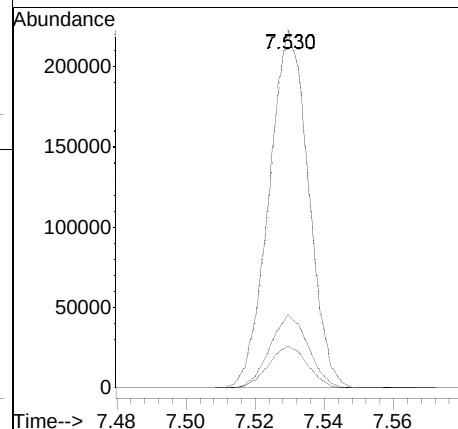
Tgt Ion	Ratio	Resp	Lower	Upper
232	100	42593		
230	79.4		61.8	92.8
234	47.3		36.2	54.2

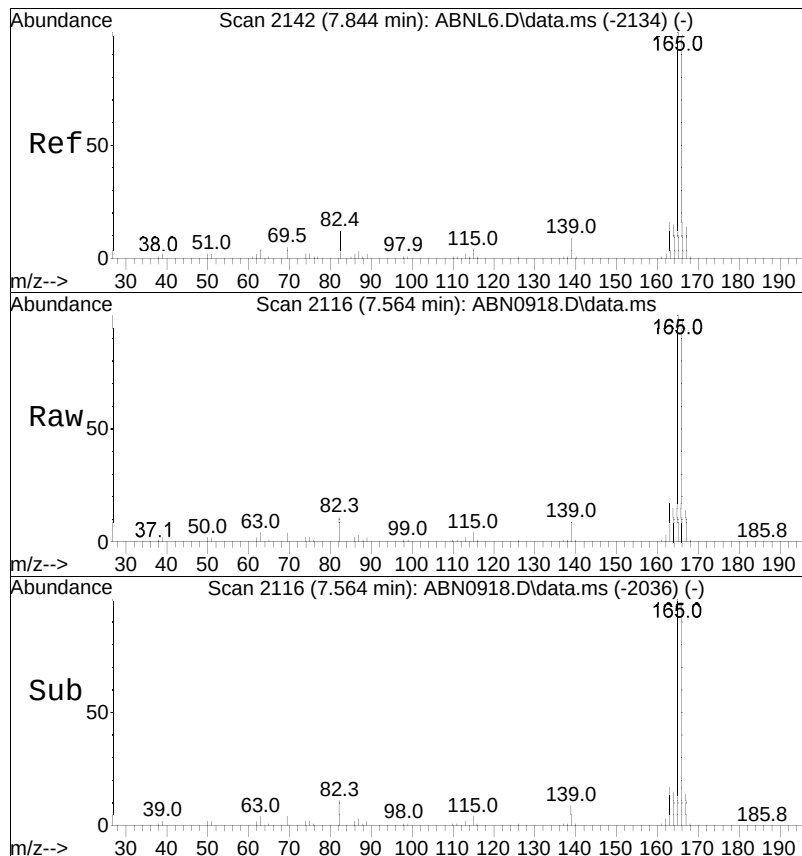




#72
 Diethyl phthalate
 Concen: 4.74 ug/ml
 RT: 7.529 min Scan# 2105
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

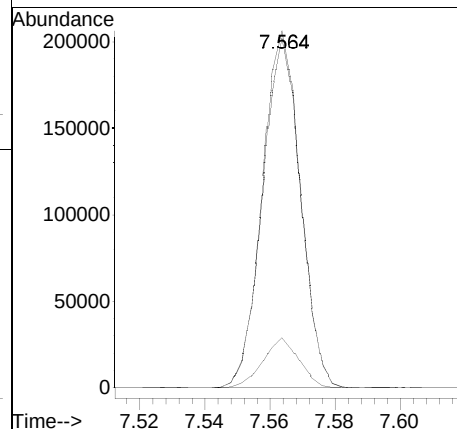
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	174914		
177	19.9		16.1	24.1
150	11.7		9.4	14.2

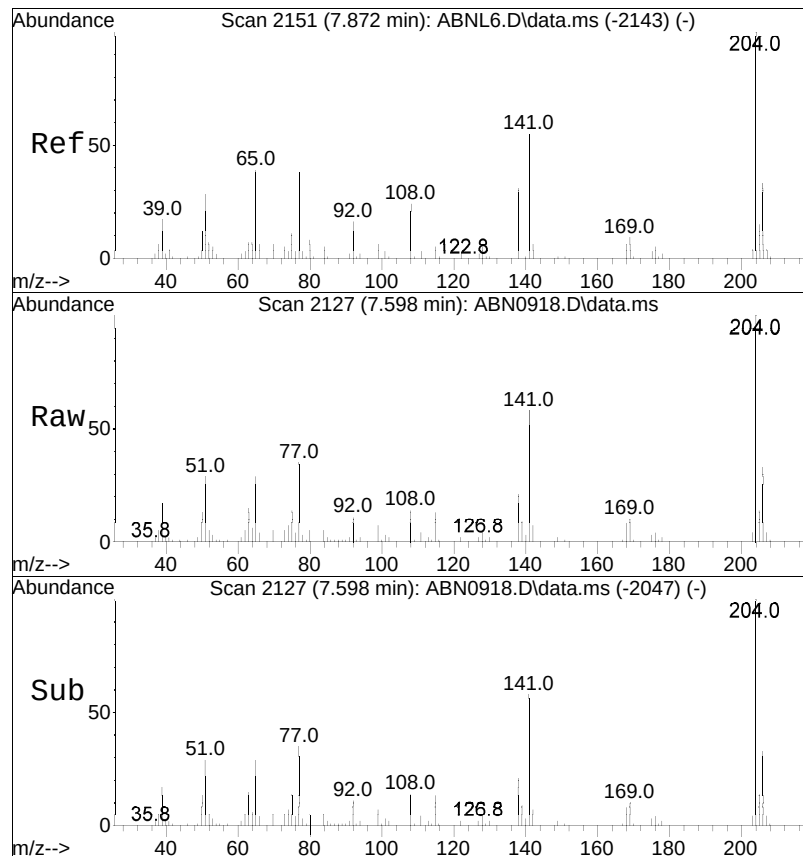




#73
 Fluorene
 Concen: 4.62 ug/ml
 RT: 7.564 min Scan# 2116
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

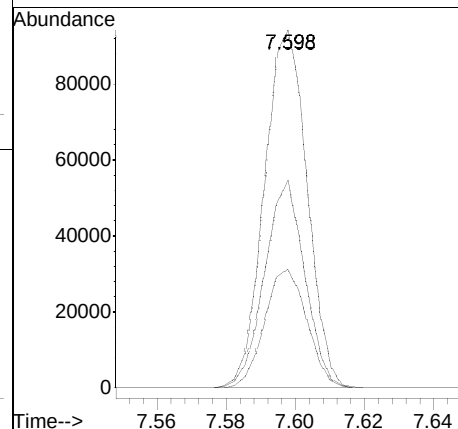
Tgt Ion:	166	Resp:	162880
Ion Ratio	Lower	Upper	
166	100		
165	102.8	76.2	114.2
167	13.7	10.6	15.8

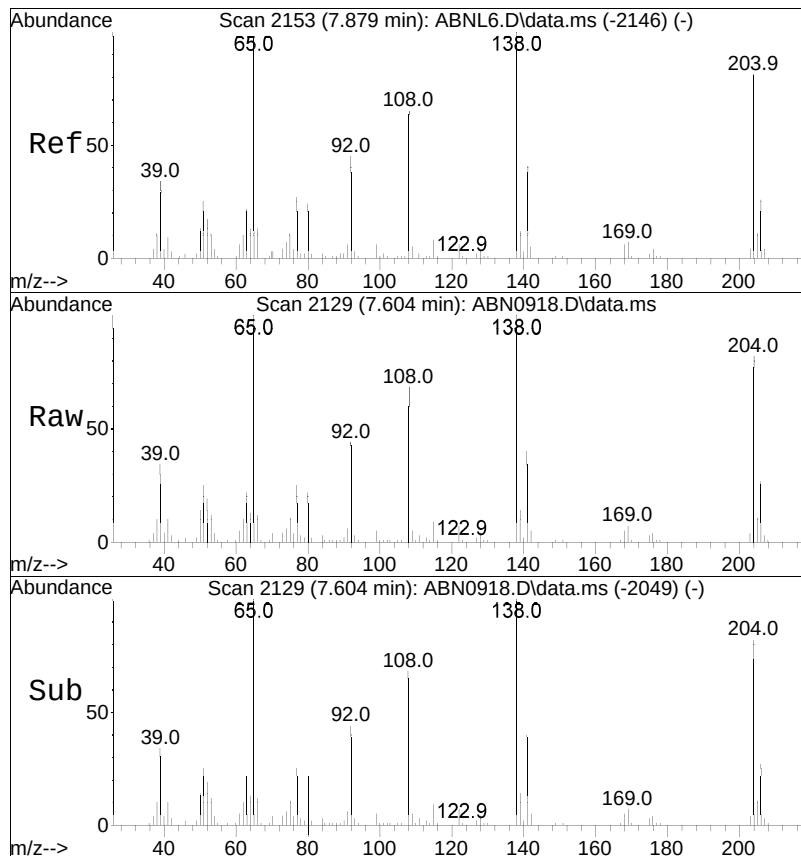




#74
 4-Chlorophenyl phenyl ether
 Concen: 4.79 ug/ml
 RT: 7.598 min Scan# 2127
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

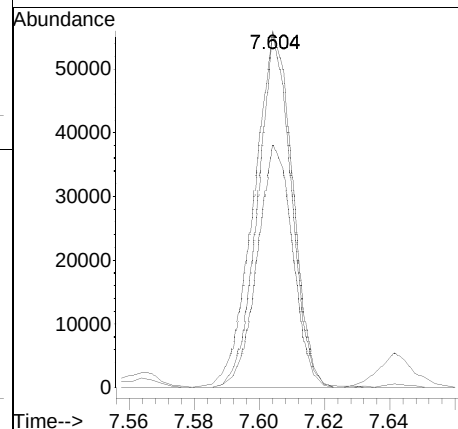
Tgt Ion:	204	Resp:	80294
Ion Ratio	Lower	Upper	
204	100		
206	33.0	25.8	38.6
141	54.6	53.6	80.4

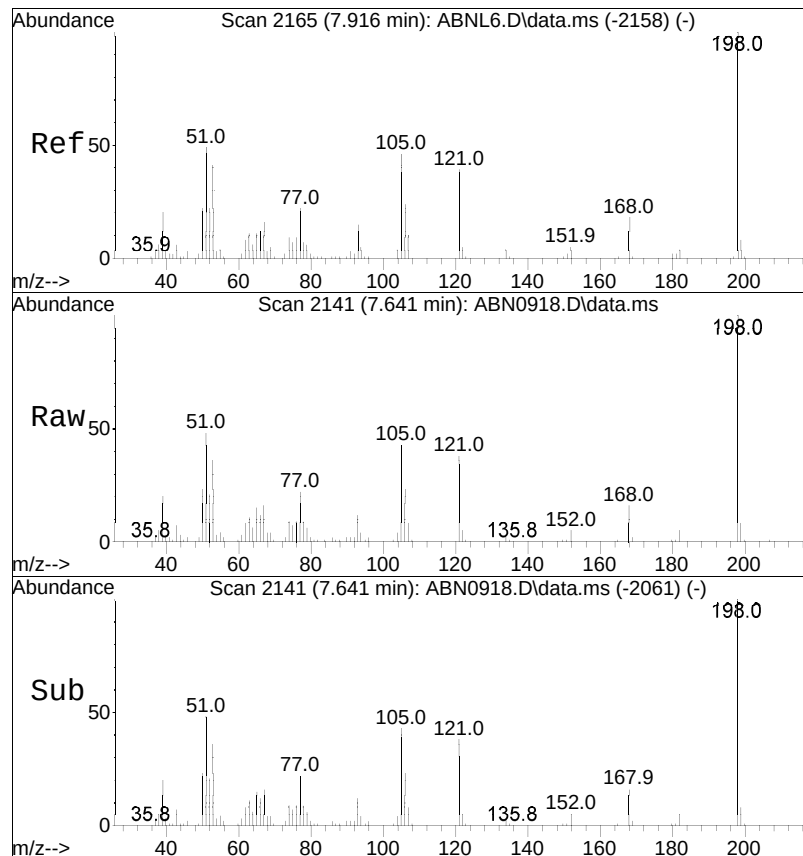




#75
 4-Nitroaniline
 Concen: 5.04 ug/ml
 RT: 7.604 min Scan# 2129
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

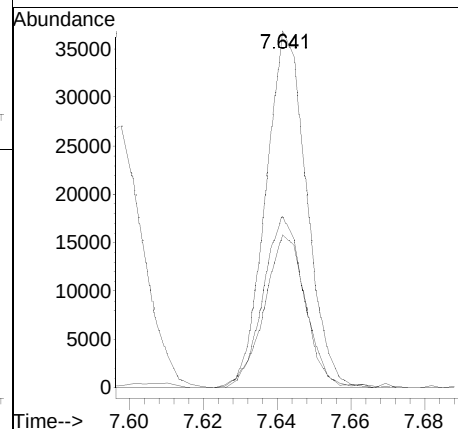
Tgt Ion	Ratio	Lower	Upper
138	100		
108	68.8	52.1	78.1
65	106.9	115.0	172.6

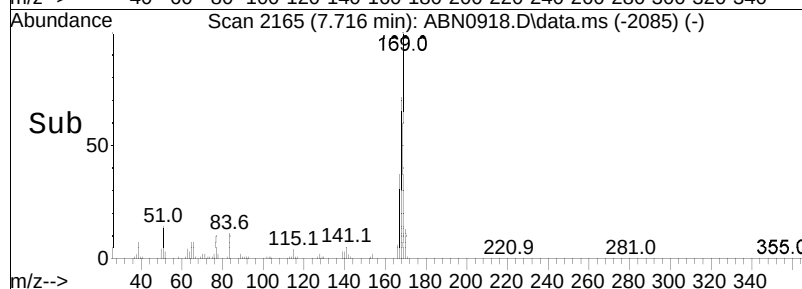
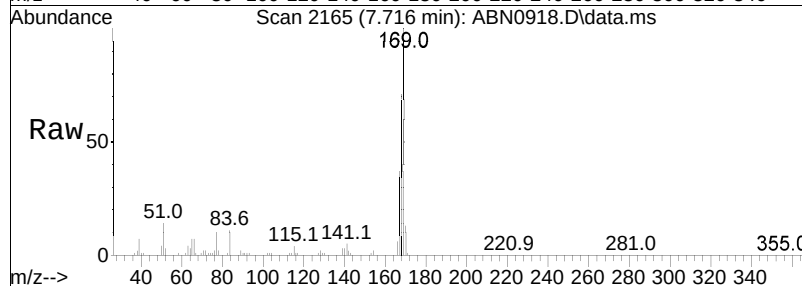
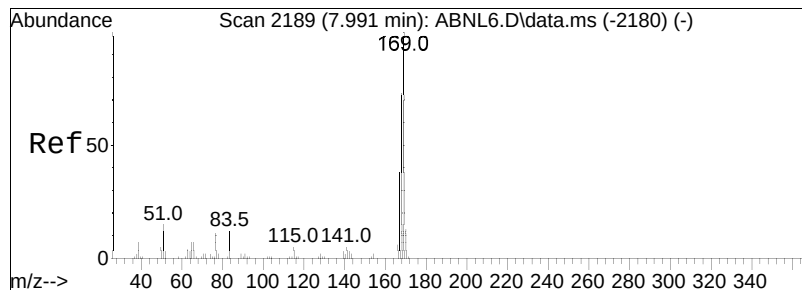




#76
 4,6-Dinitro-o-cresol
 Concen: 5.47 ug/ml
 RT: 7.641 min Scan# 2141
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

Tgt Ion:	198	Resp:	28472
Ion Ratio	Lower	Upper	
198	100		
51	48.8	76.0	114.0#
105	43.2	45.6	68.4#





#77

NDPA/DPA

Concen: 4.76 ug/ml

RT: 7.716 min Scan# 2165

Delta R.T. 0.000 min

Lab File: ABN0918.D

Acq: 18 Sep 2025 7:46 am

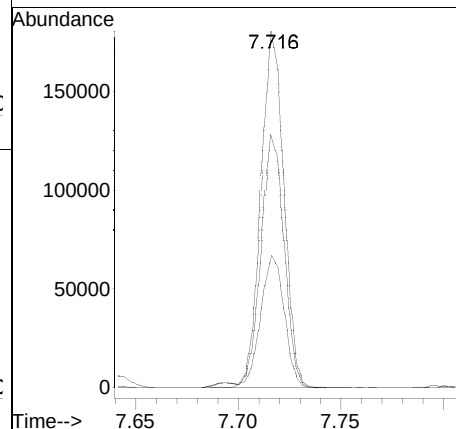
Tgt Ion:169 Resp: 140220

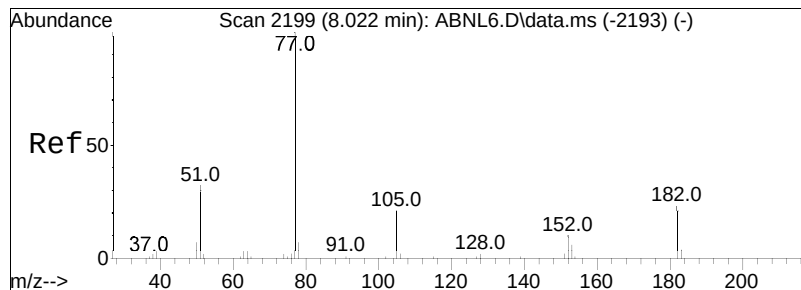
Ion Ratio Lower Upper

169 100

168 72.6 54.0 81.0

167 38.3 28.6 42.8





#78

Azobenzene

Concen: 4.64 ug/ml

RT: 7.747 min Scan# 2175

Delta R.T. 0.000 min

Lab File: ABN0918.D

Acq: 18 Sep 2025 7:46 am

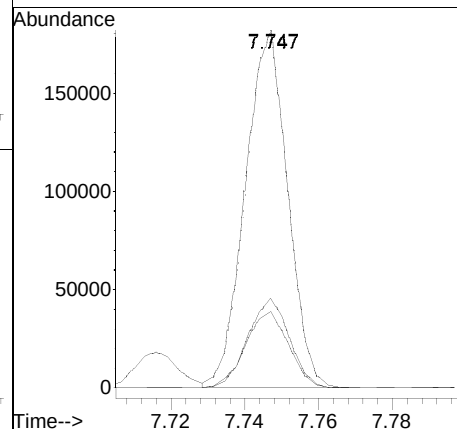
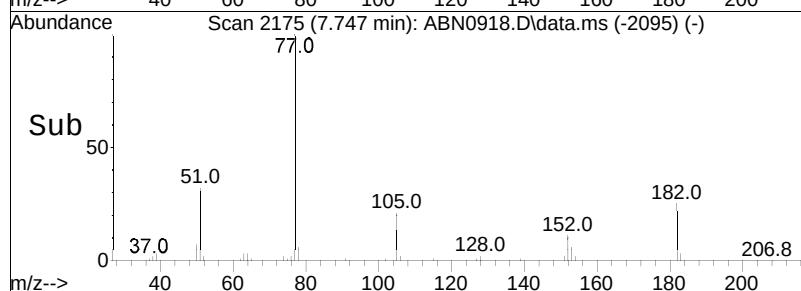
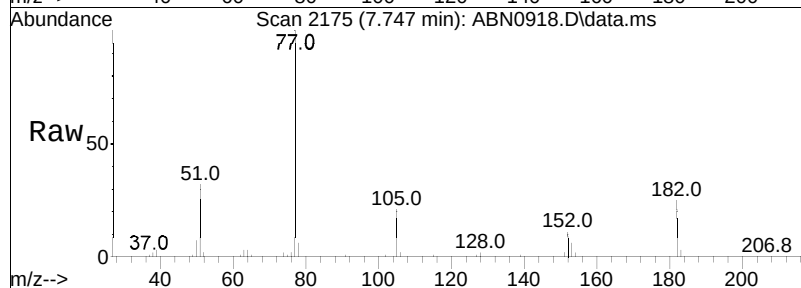
Tgt Ion: 77 Resp: 143745

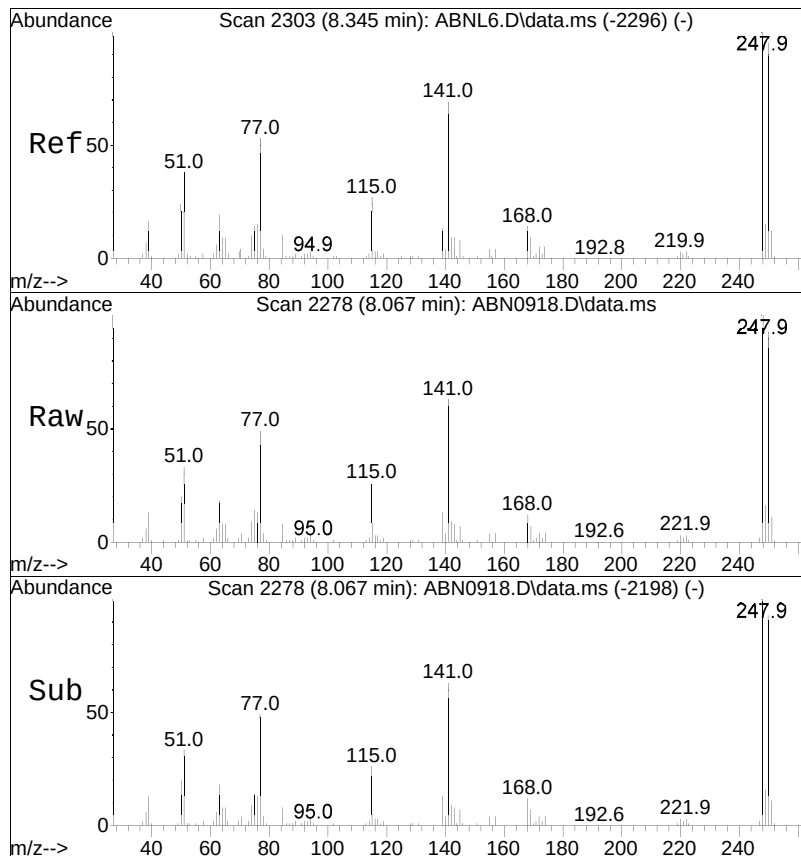
Ion Ratio Lower Upper

77 100

182 24.7 17.4 26.2

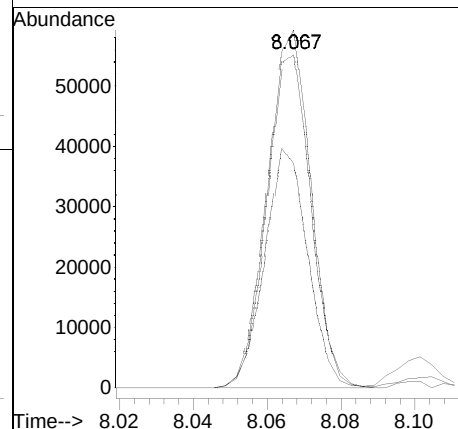
105 21.9 15.4 23.2

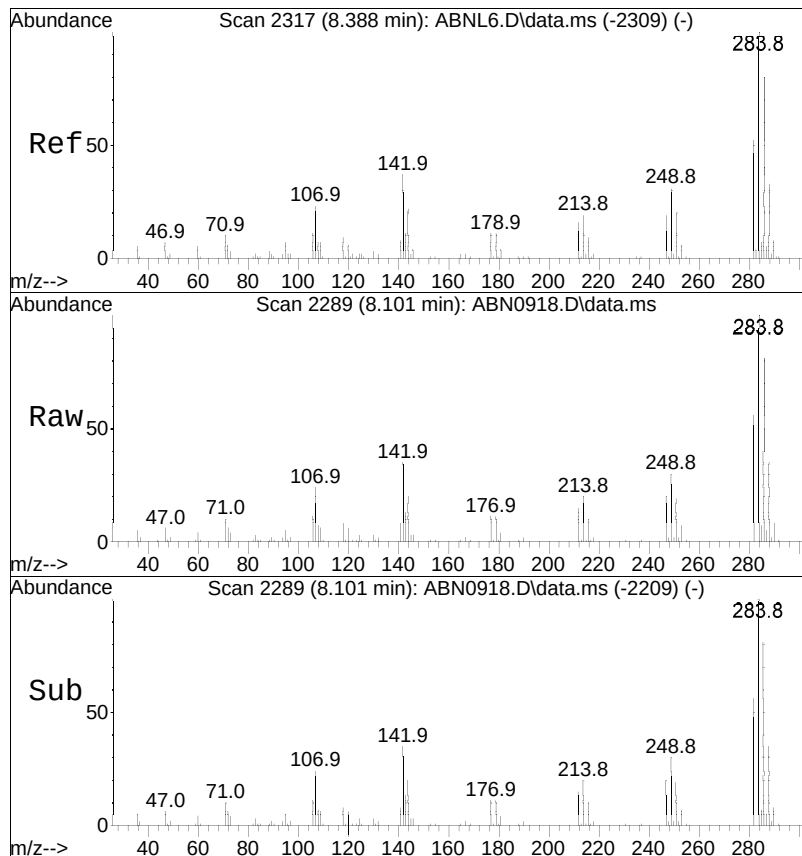




#80
 4-Bromophenyl phenyl ether
 Concen: 4.72 ug/ml
 RT: 8.067 min Scan# 2278
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

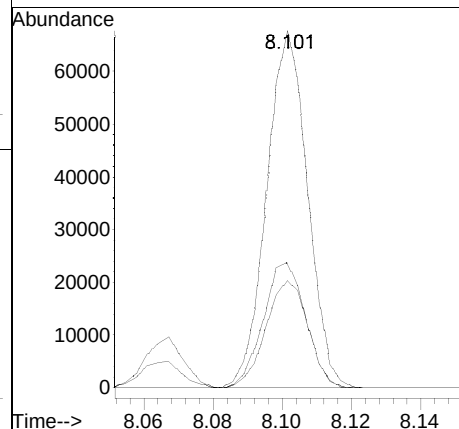
Tgt	Ion:248	Resp:	48746
Ion	Ratio	Lower	Upper
248	100		
141	65.9	76.6	114.8#
250	93.1	77.3	115.9

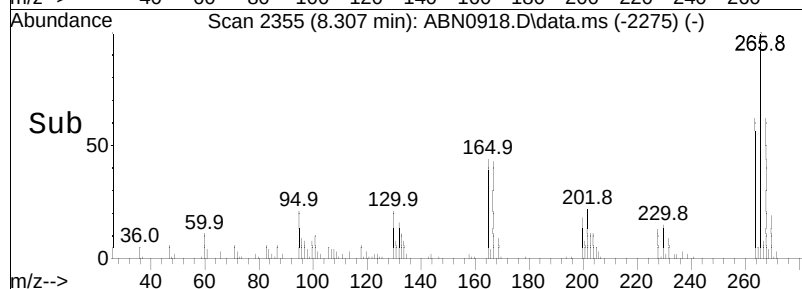
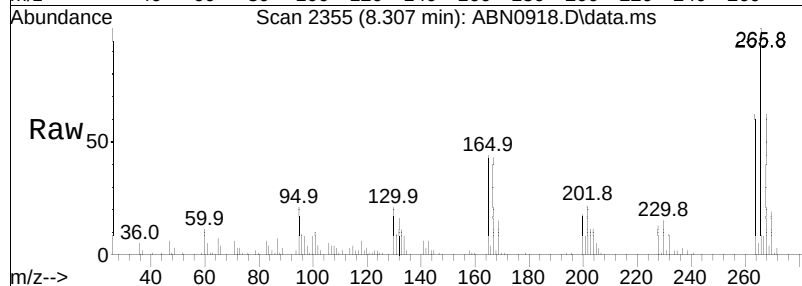
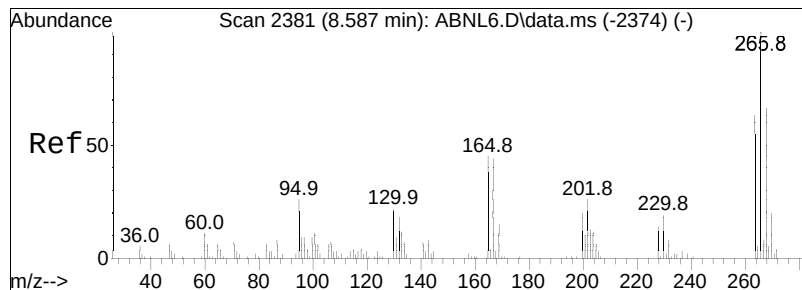




#81
 Hexachlorobenzene
 Concen: 4.78 ug/ml
 RT: 8.101 min Scan# 2289
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

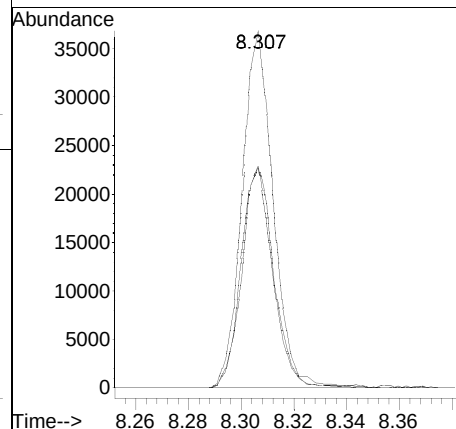
Tgt Ion:	284	Resp:	55254
Ion Ratio	Lower	Upper	
284	100		
142	36.5	41.9	62.9#
249	31.1	24.1	36.1

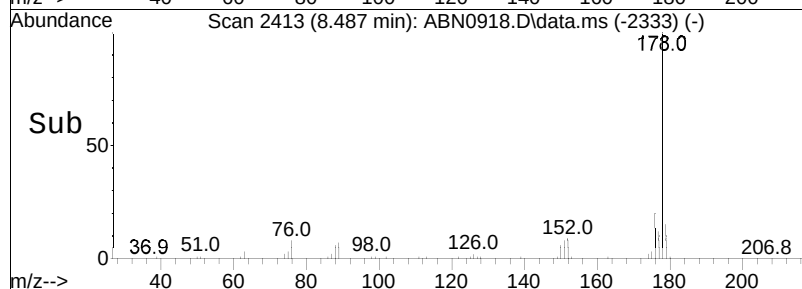
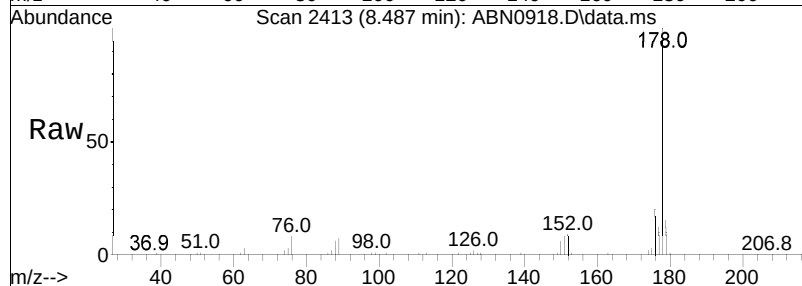
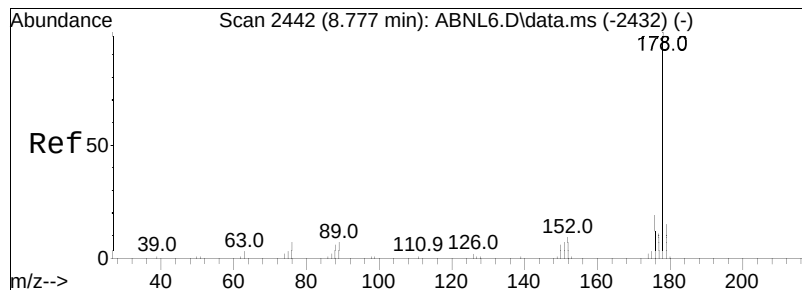




#82
 Pentachlorophenol
 Concen: 4.45 ug/ml
 RT: 8.307 min Scan# 2355
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.6	49.7	74.5
268	65.2	50.5	75.7





#89

Phenanthrene

Concen: 4.47 ug/ml

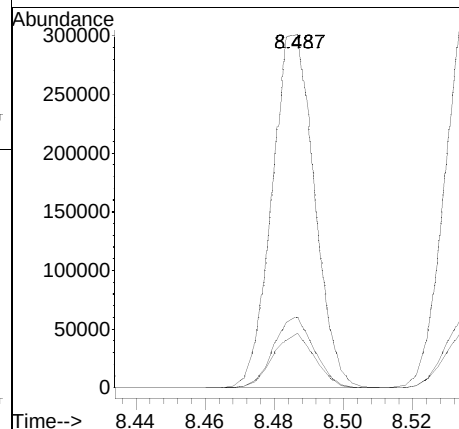
RT: 8.487 min Scan# 2413

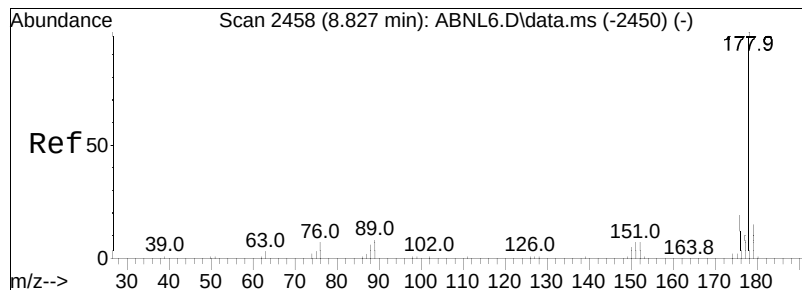
Delta R.T. 0.000 min

Lab File: ABN0918.D

Acq: 18 Sep 2025 7:46 am

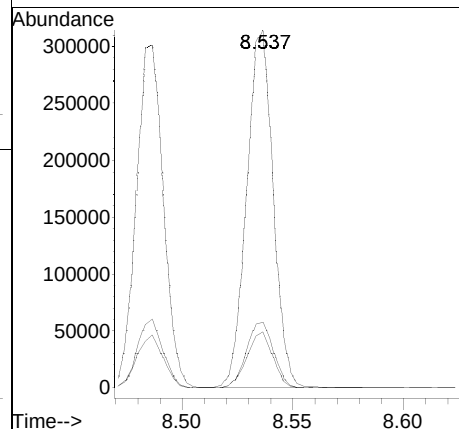
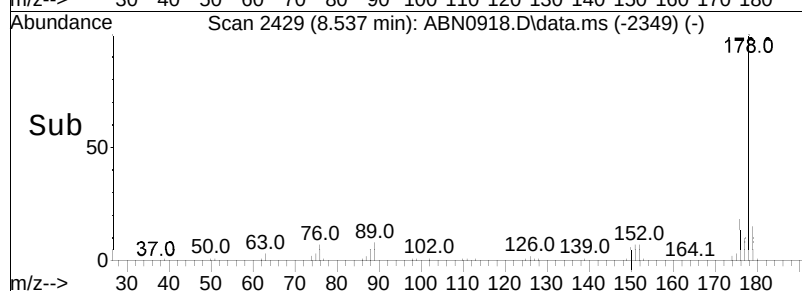
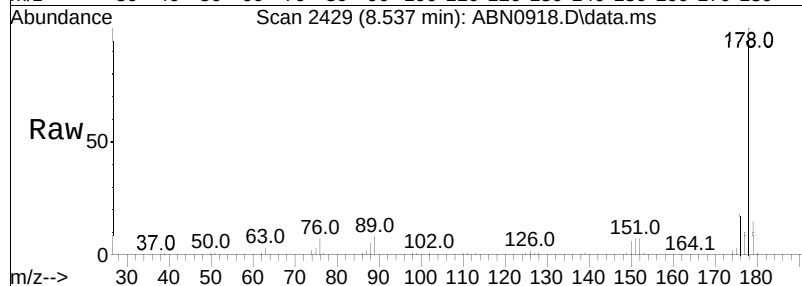
Tgt Ion:	178	Resp:	256825
Ion Ratio	Lower	Upper	
178	100		
179	15.1	12.2	18.2
176	19.1	15.4	23.2

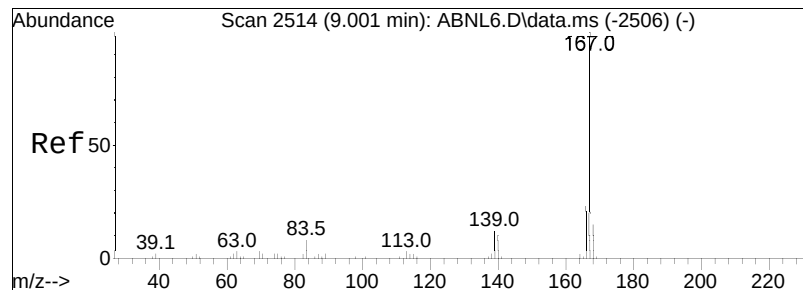




#90
 Anthracene
 Concen: 4.65 ug/ml
 RT: 8.537 min Scan# 2429
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	18.8	14.6	22.0





#91

Carbazole

Concen: 4.69 ug/ml

RT: 8.717 min Scan# 2487

Delta R.T. 0.000 min

Lab File: ABN0918.D

Acq: 18 Sep 2025 7:46 am

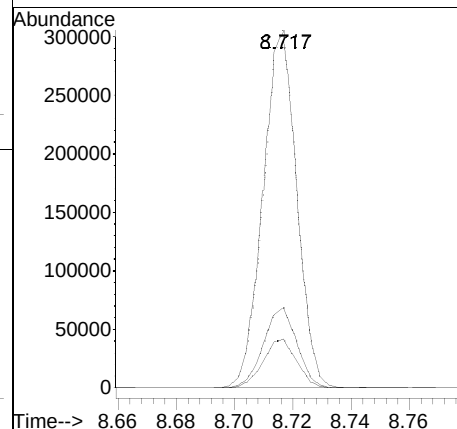
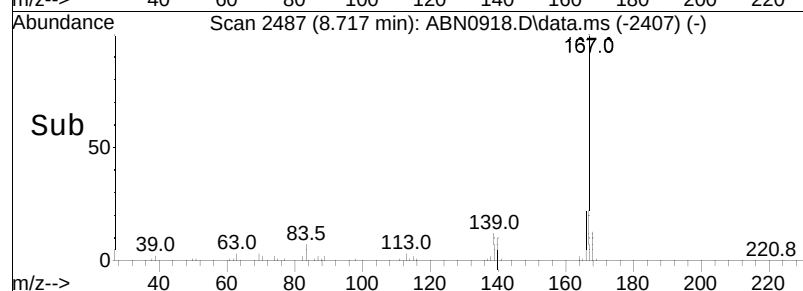
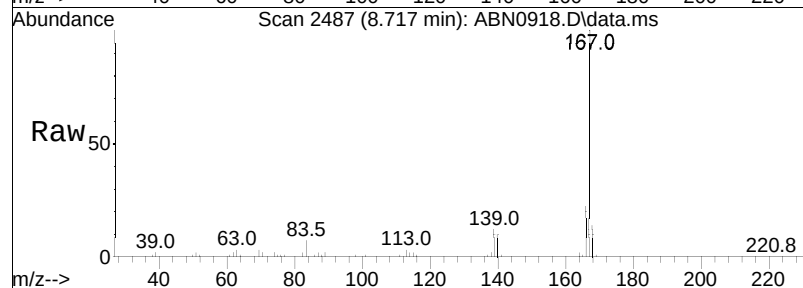
Tgt Ion:167 Resp: 242558

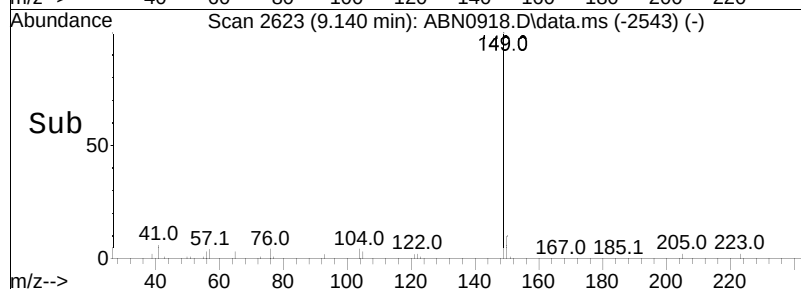
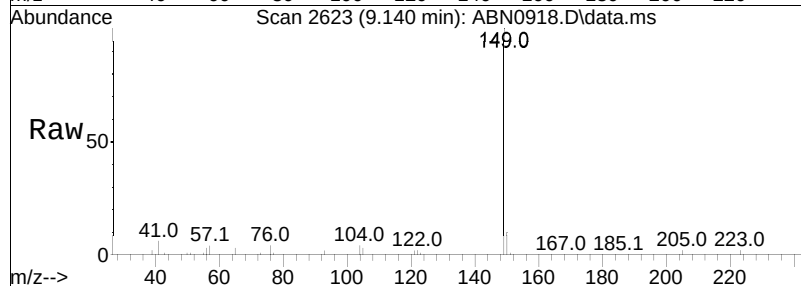
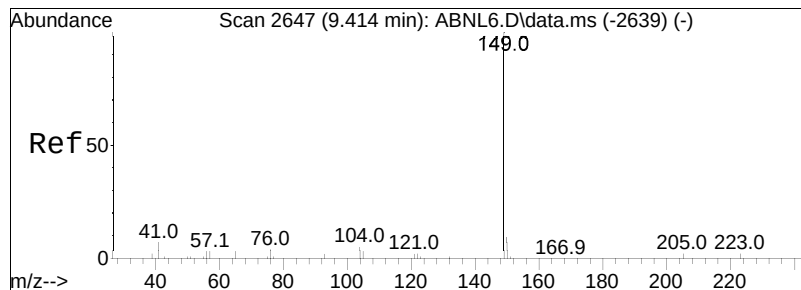
Ion Ratio Lower Upper

167 100

168 13.7 10.6 15.8

166 22.4 17.4 26.0





#92

Di-n-butylphthalate

Concen: 4.98 ug/ml

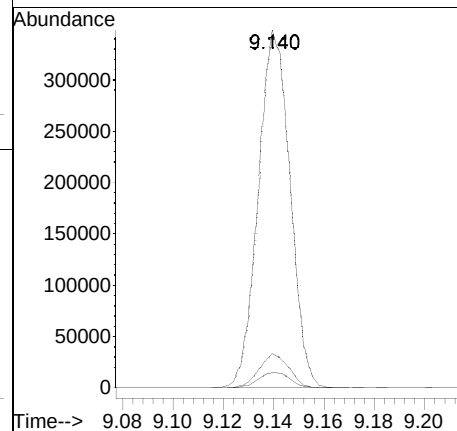
RT: 9.140 min Scan# 2623

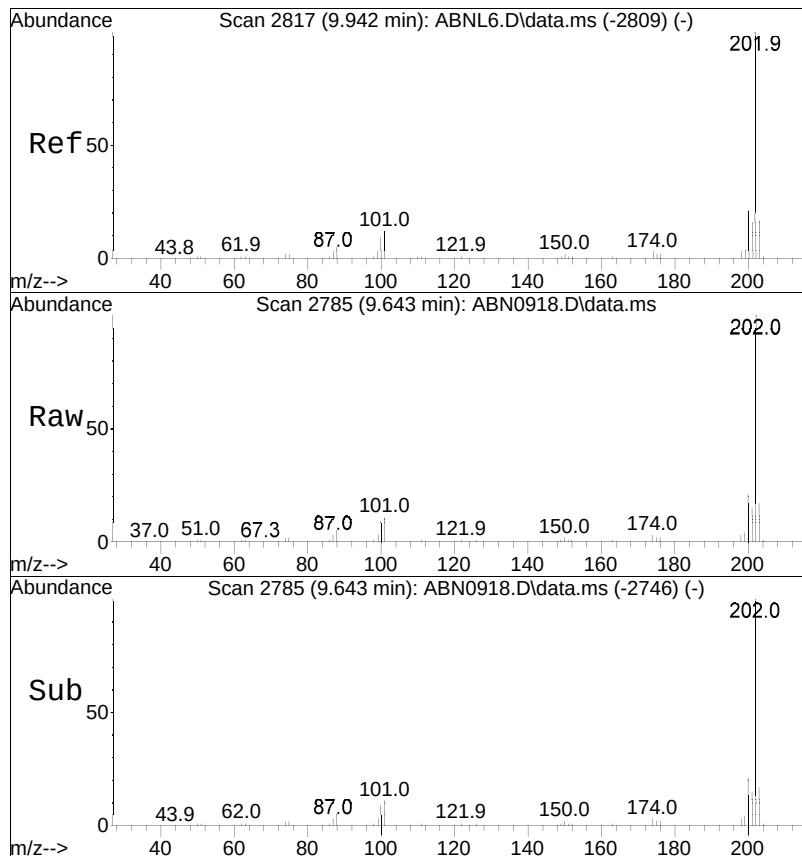
Delta R.T. 0.000 min

Lab File: ABN0918.D

Acq: 18 Sep 2025 7:46 am

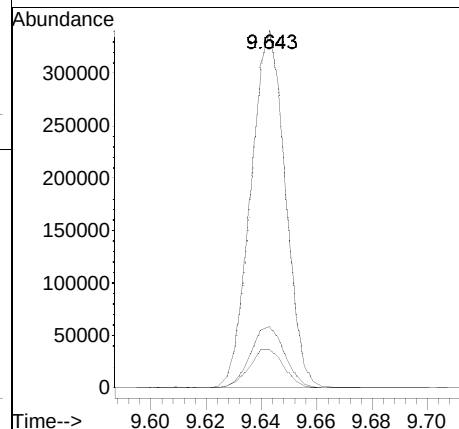
Tgt	Ion:149	Resp:	301438
Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.0	10.6
104	4.5	4.5	6.7

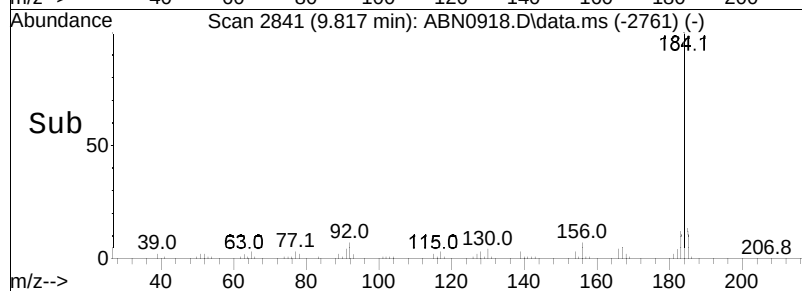
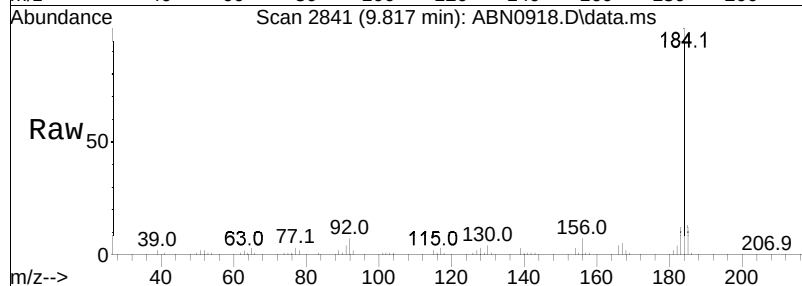
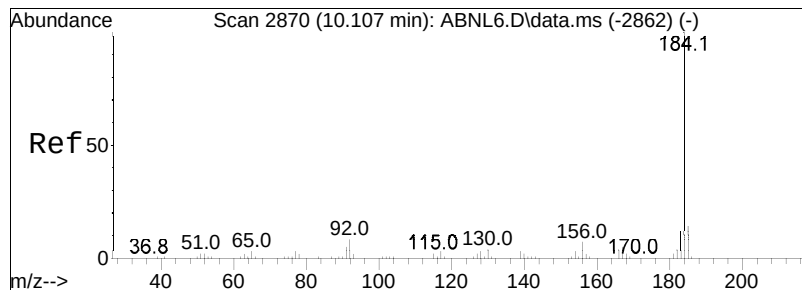




#93
 Fluoranthene
 Concen: 4.71 ug/ml
 RT: 9.643 min Scan# 2785
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	291833		
101	11.1		13.5	20.3#
203	17.3		13.6	20.4





#94

Benzidine

Concen: 4.91 ug/ml

RT: 9.817 min Scan# 2841

Delta R.T. 0.000 min

Lab File: ABN0918.D

Acq: 18 Sep 2025 7:46 am

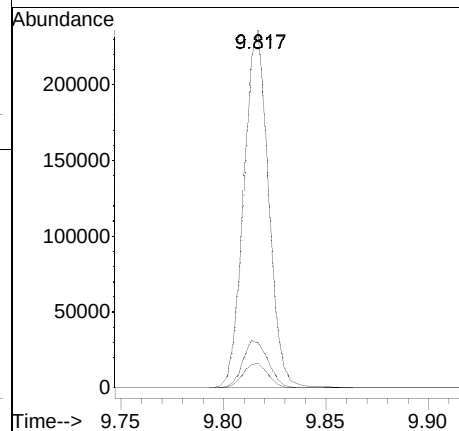
Tgt Ion:184 Resp: 195365

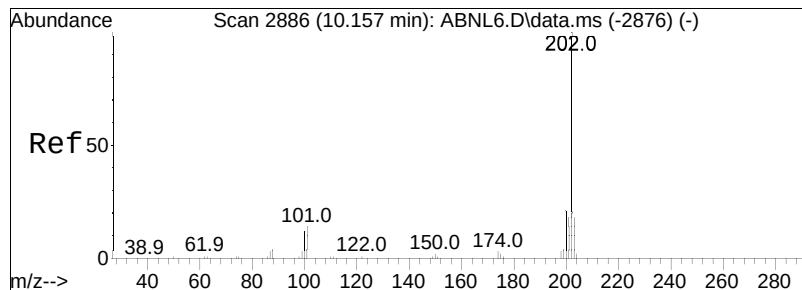
Ion Ratio Lower Upper

184 100

92 7.0 9.1 13.7#

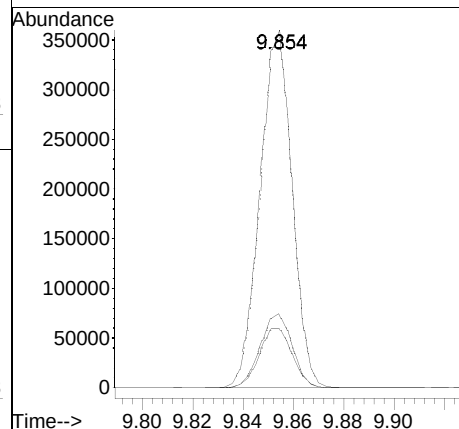
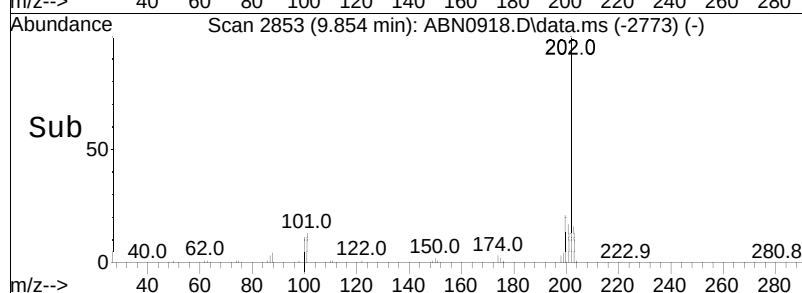
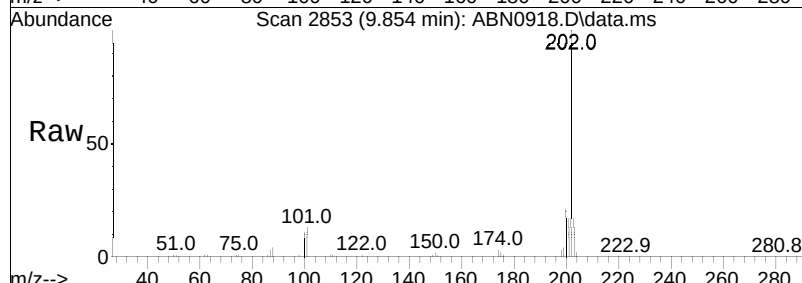
185 13.7 11.1 16.7

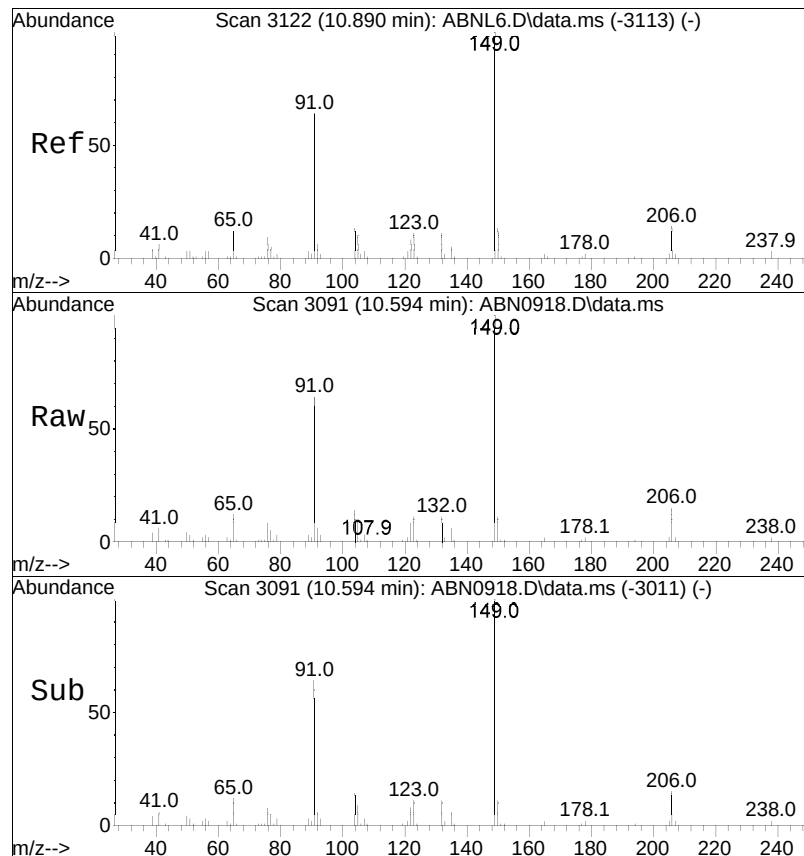




#95
 Pyrene
 Concen: 4.76 ug/ml
 RT: 9.854 min Scan# 2853
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

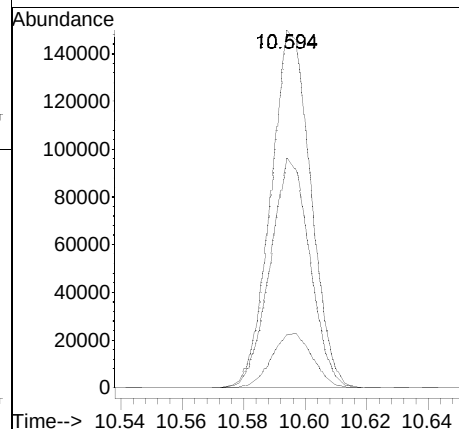
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.4	14.2	21.4

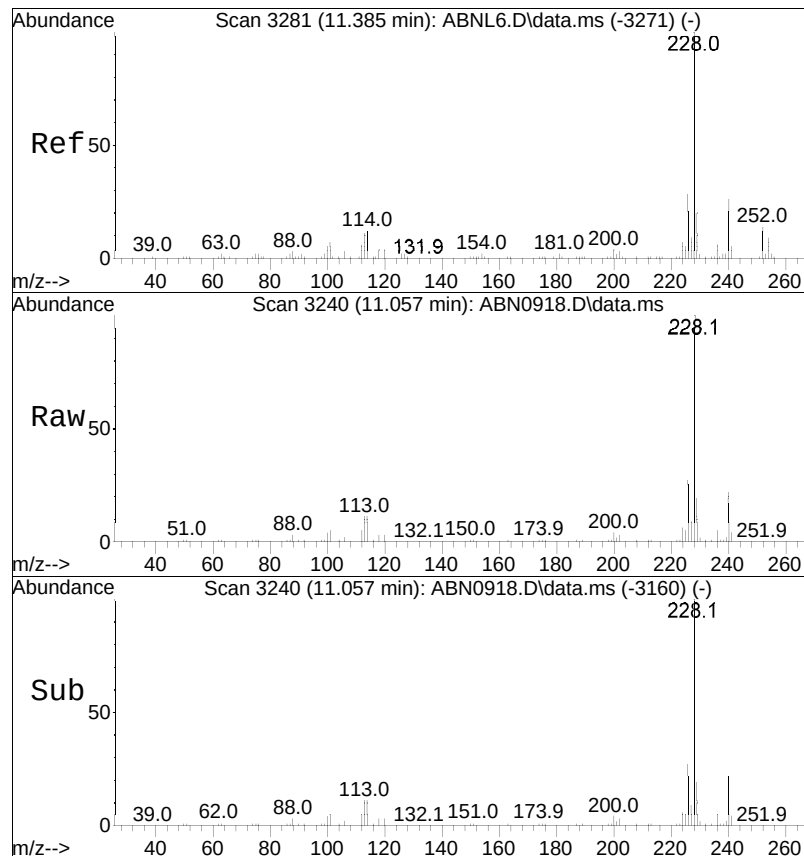




#97
 Butyl benzyl phthalate
 Concen: 5.31 ug/ml
 RT: 10.594 min Scan# 3091
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

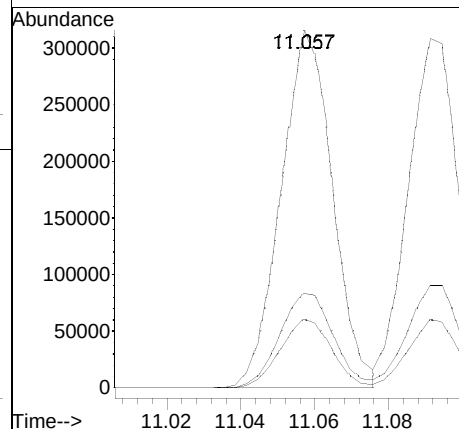
Tgt Ion:	149	Resp:	134244
Ion Ratio	Lower	Upper	
149	100		
91	64.3	63.3	94.9
206	15.7	13.9	20.9

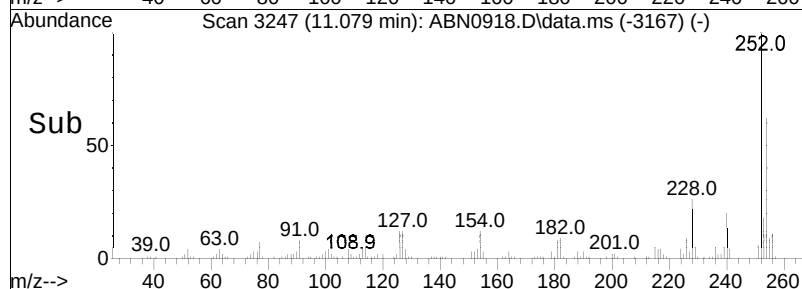
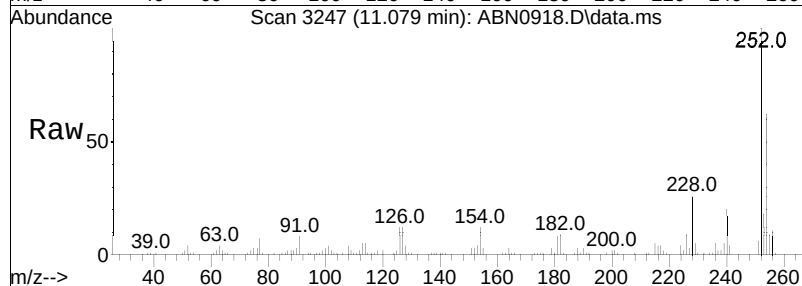
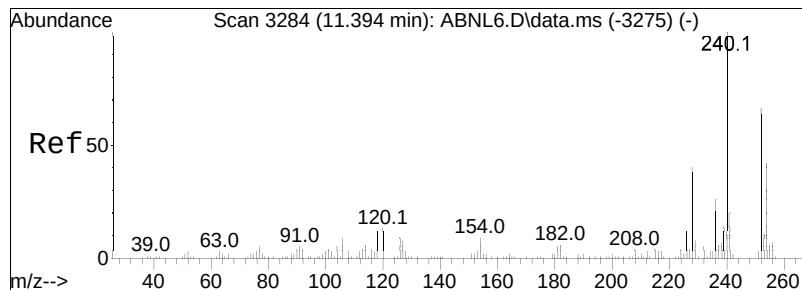




#105
 Benzo(a)anthracene
 Concen: 4.63 ug/ml
 RT: 11.057 min Scan# 3240
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

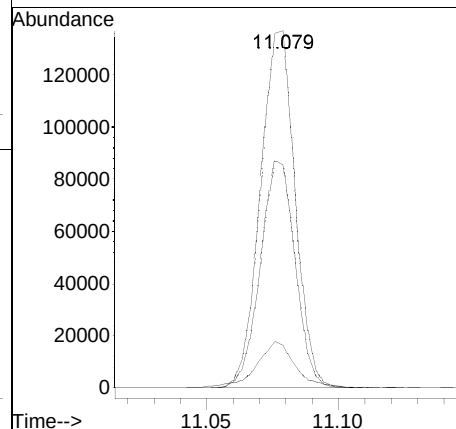
Tgt	Ion:228	Resp:	306571
Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.4
229	19.3	15.6	23.4

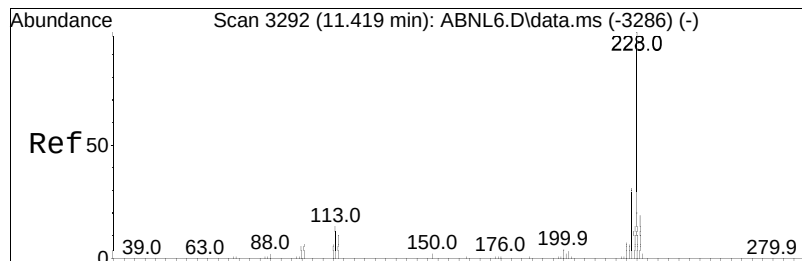




#106
 3,3'-Dichlorobenzidine
 Concen: 5.48 ug/ml
 RT: 11.079 min Scan# 3247
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

Tgt Ion	Ratio	Lower	Upper
252	100		
126	14.5	14.5	21.7#
254	64.0	51.2	76.8





#107

Chrysene

Concen: 4.49 ug/ml

RT: 11.091 min Scan# 3251

Delta R.T. 0.000 min

Lab File: ABN0918.D

Acq: 18 Sep 2025 7:46 am

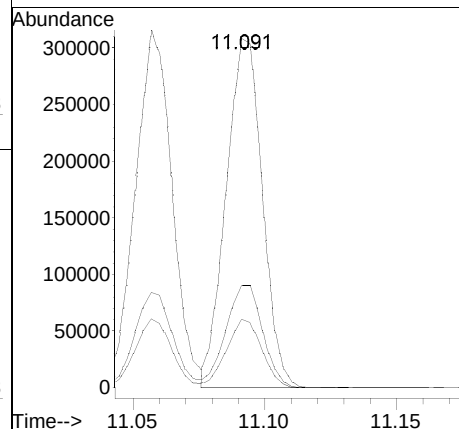
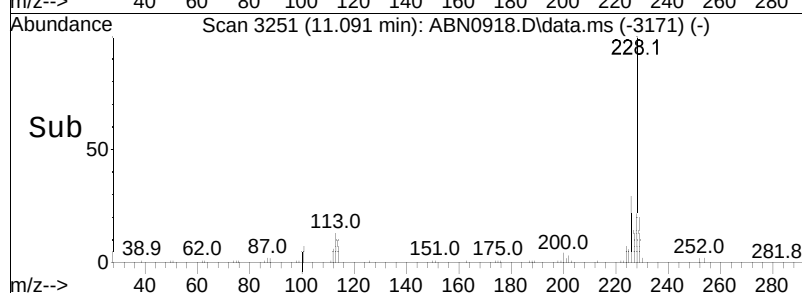
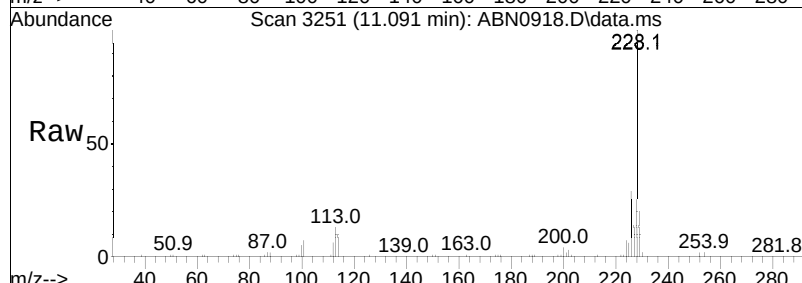
Tgt Ion: 228 Resp: 294300

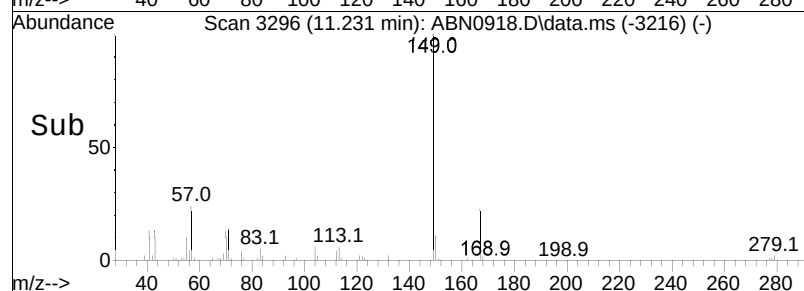
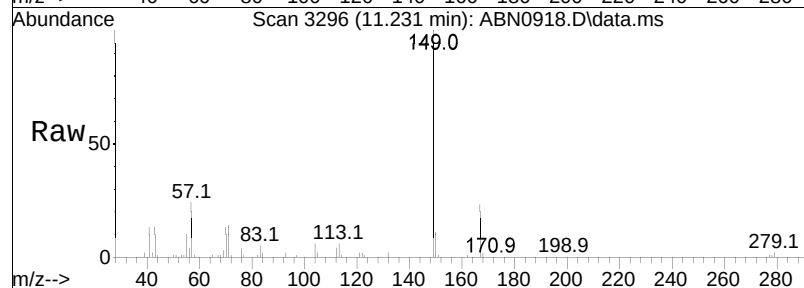
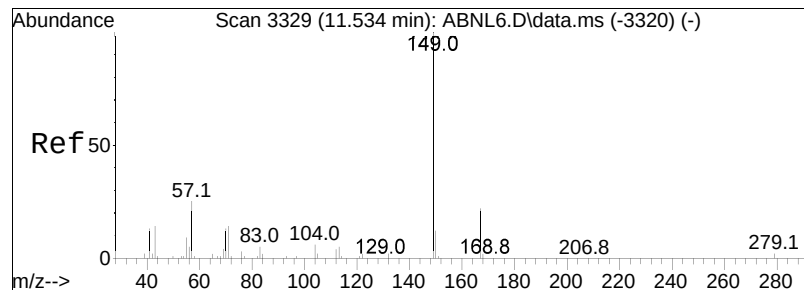
Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

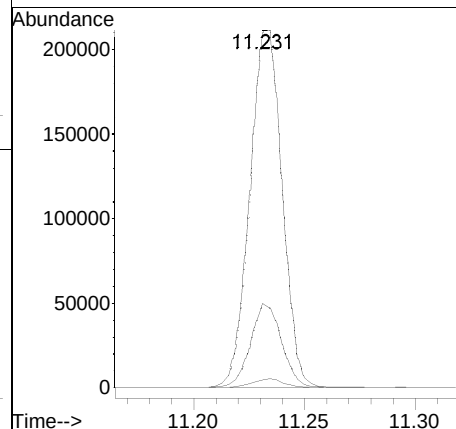
229 19.2 15.8 23.8

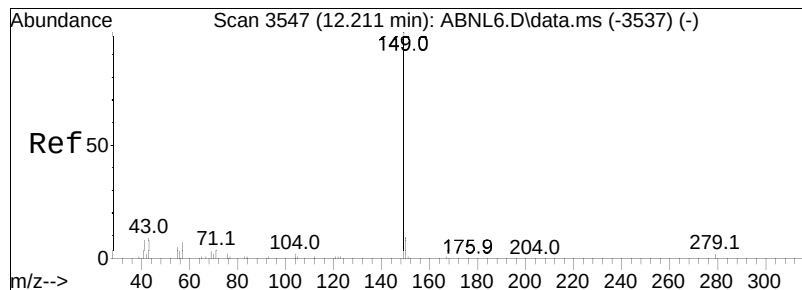




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 5.11 ug/ml
 RT: 11.231 min Scan# 3296
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

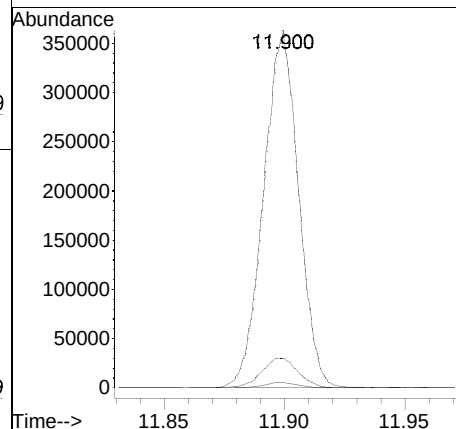
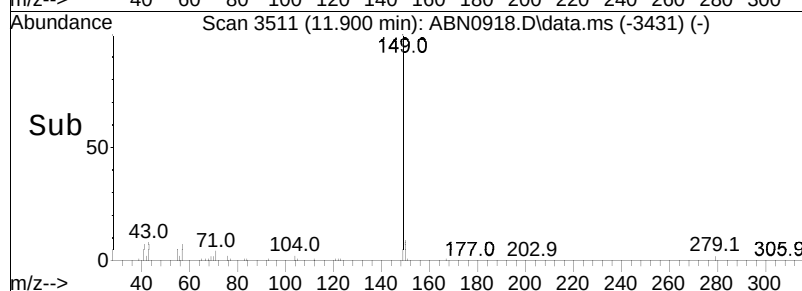
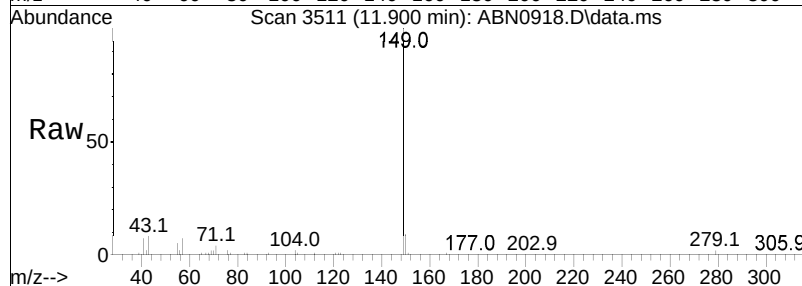
Tgt	Ion:149	Resp:	212240
Ion	Ratio	Lower	Upper
149	100		
167	22.6	22.1	33.1
279	2.1	3.0	4.4#

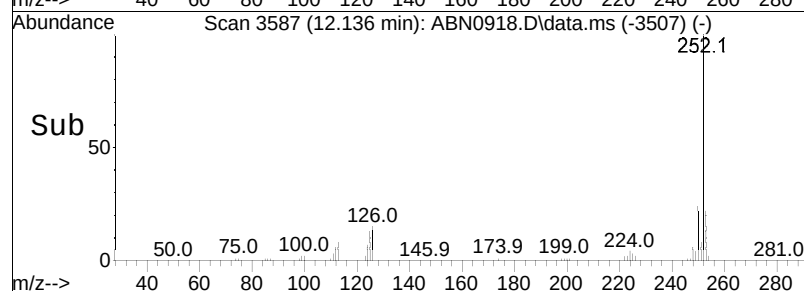
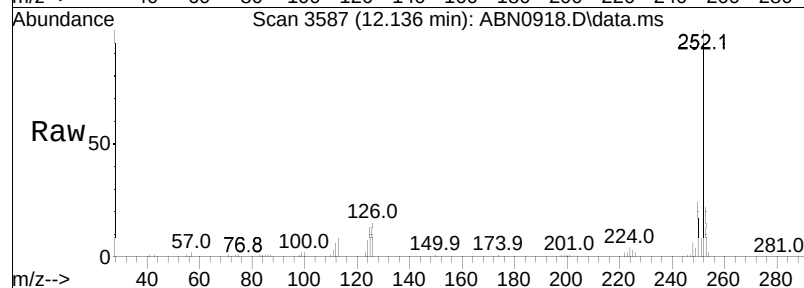
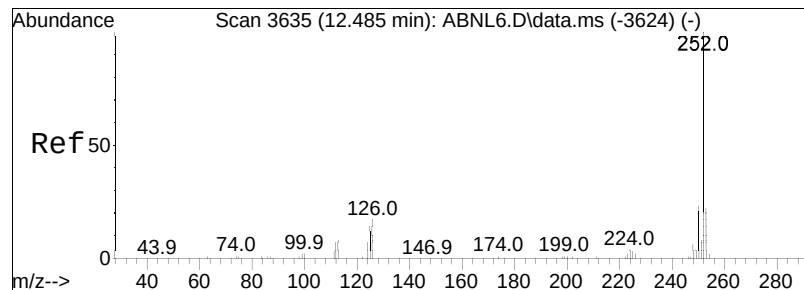




#109
 Di-n-octylphthalate
 Concen: 5.19 ug/ml
 RT: 11.900 min Scan# 3511
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

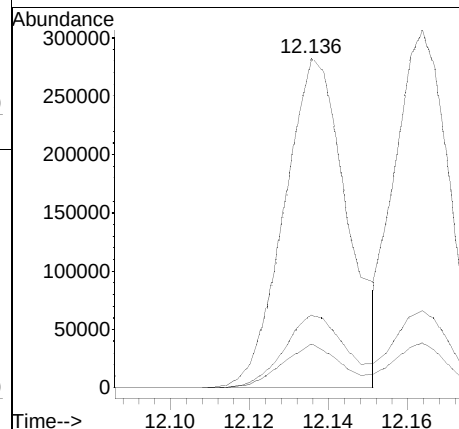
Tgt	Ion:149	Resp:	361409
Ion	Ratio	Lower	Upper
149	100		
43	8.8	18.8	28.2#
167	1.4	1.3	1.9

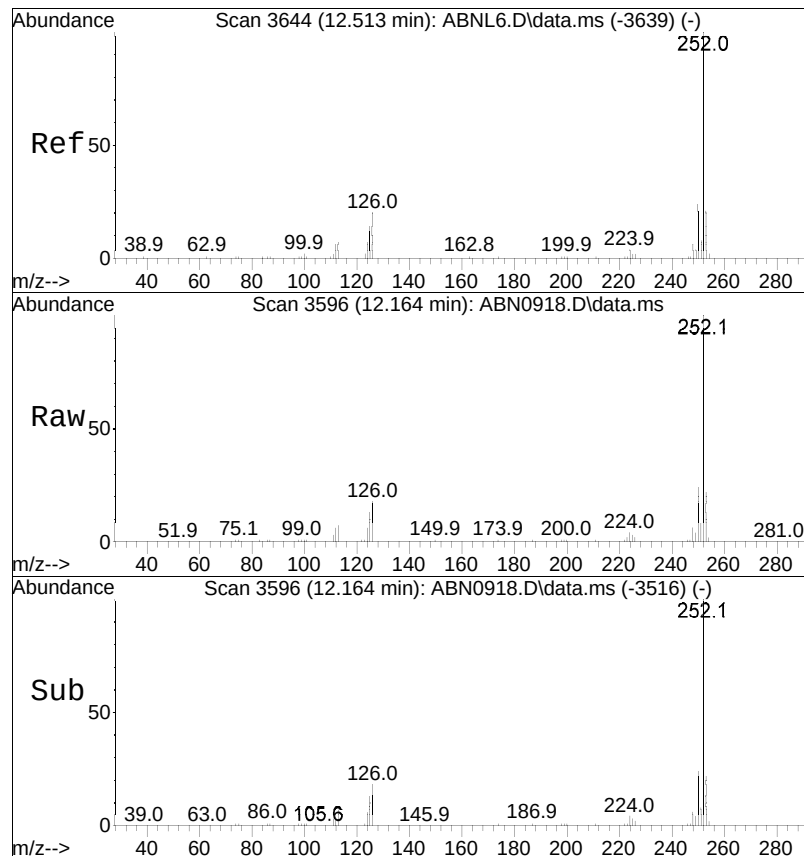




#110
Benzo(b)fluoranthene
Concen: 5.00 ug/ml M3
RT: 12.136 min Scan# 3587
Delta R.T. 0.000 min
Lab File: ABN0918.D
Acq: 18 Sep 2025 7:46 am

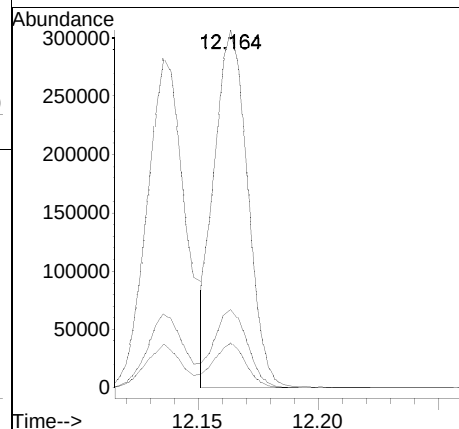
Tgt Ion	Ratio	Lower	Upper
252	100		
125	12.3	13.3	19.9#
253	20.9	17.1	25.7

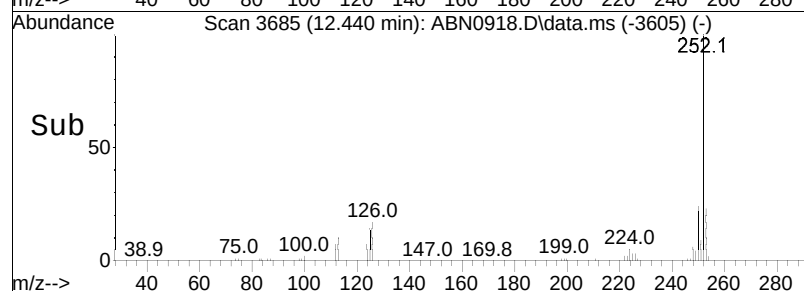
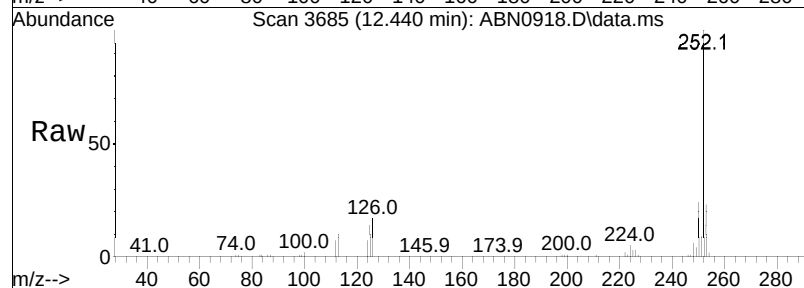
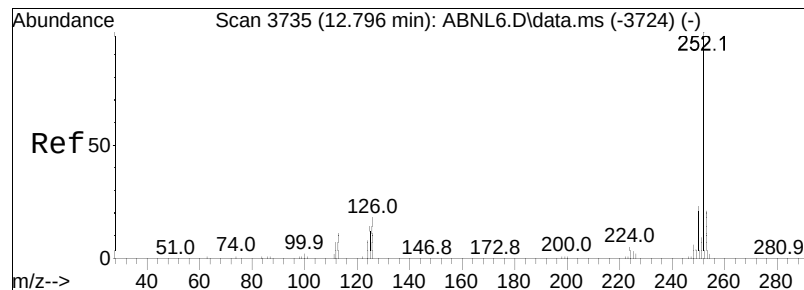




#111
 Benzo(k)fluoranthene
 Concen: 4.61 ug/ml
 RT: 12.164 min Scan# 3596
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

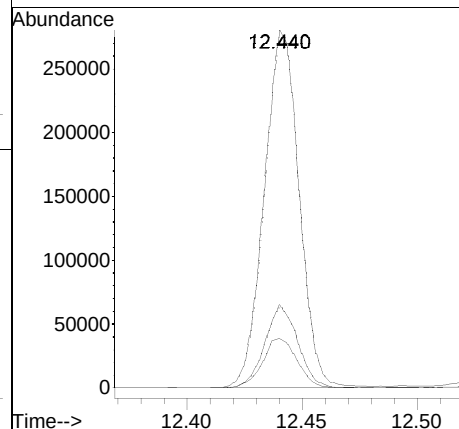
Tgt Ion	Ratio	Lower	Upper
252	100		
125	12.7	13.0	19.6#
253	23.1	16.8	25.2

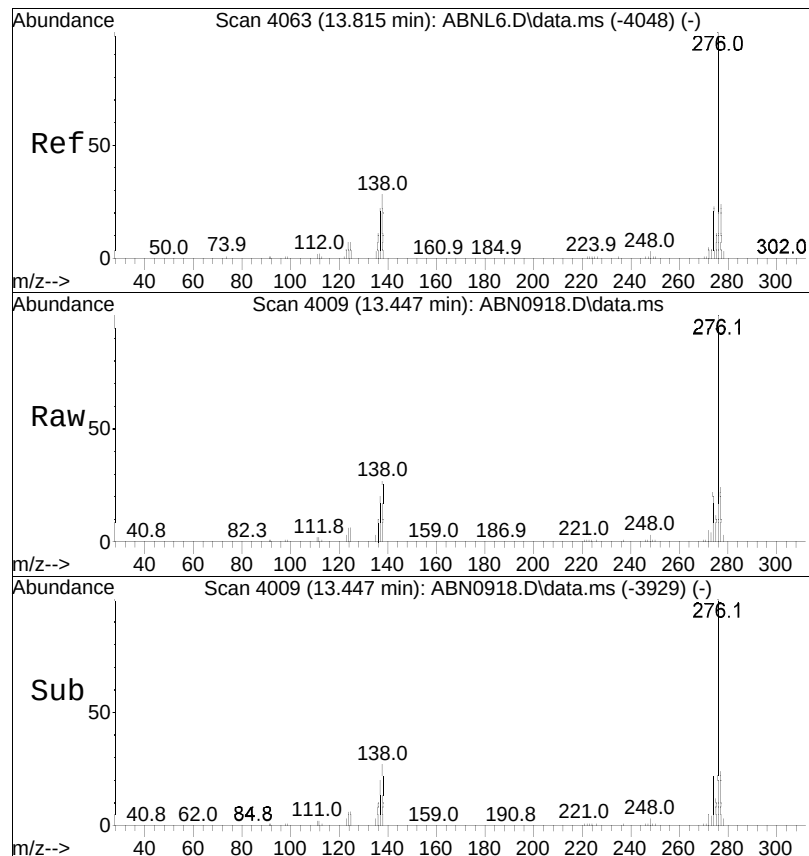




#112
Benzo(a)pyrene
Concen: 4.97 ug/ml
RT: 12.440 min Scan# 3685
Delta R.T. 0.000 min
Lab File: ABN0918.D
Acq: 18 Sep 2025 7:46 am

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		291727		
125	13.9	14.2		21.2#	
253	22.0	16.9		25.3	





#114

Indeno(1,2,3-cd)pyrene

Concen: 4.78 ug/mL

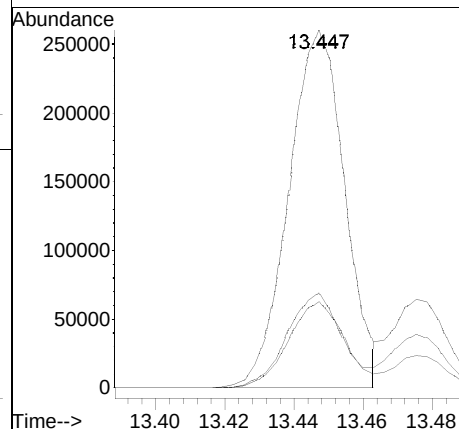
RT: 13.447 min Scan# 4009

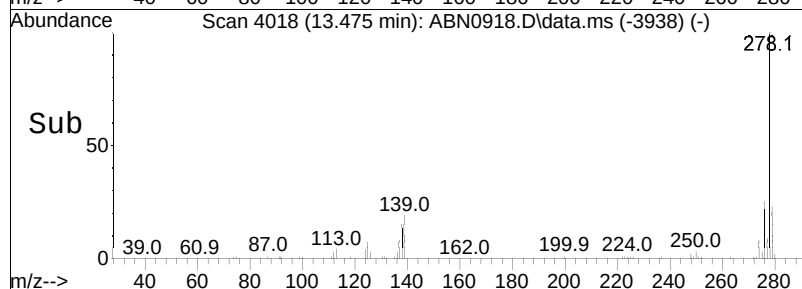
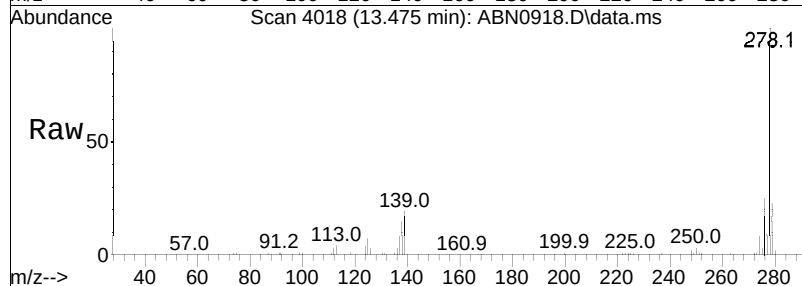
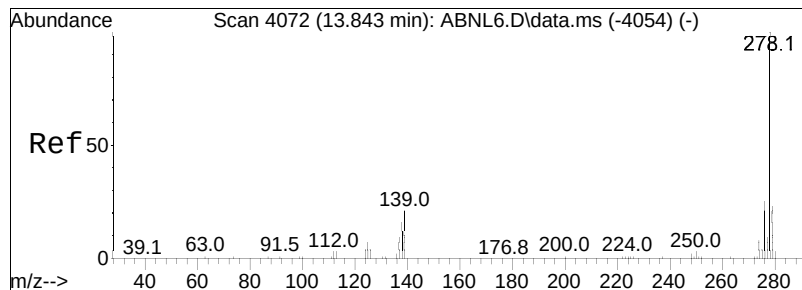
Delta R.T. 0.000 min

Lab File: ABN0918.D

Acq: 18 Sep 2025 7:46 am

Tgt Ion:	276	Resp:	291522
Ion Ratio	Lower	Upper	
276	100		
138	26.6	25.1	37.7
277	24.3	18.6	28.0





#115

Dibenzo(a,h)anthracene

Concen: 4.83 ug/ml

RT: 13.475 min Scan# 4018

Delta R.T. 0.000 min

Lab File: ABN0918.D

Acq: 18 Sep 2025 7:46 am

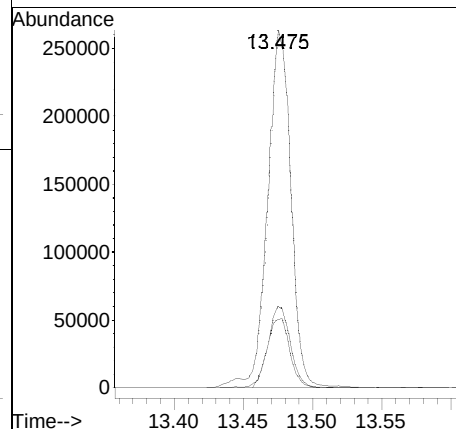
Tgt Ion: 278 Resp: 304761

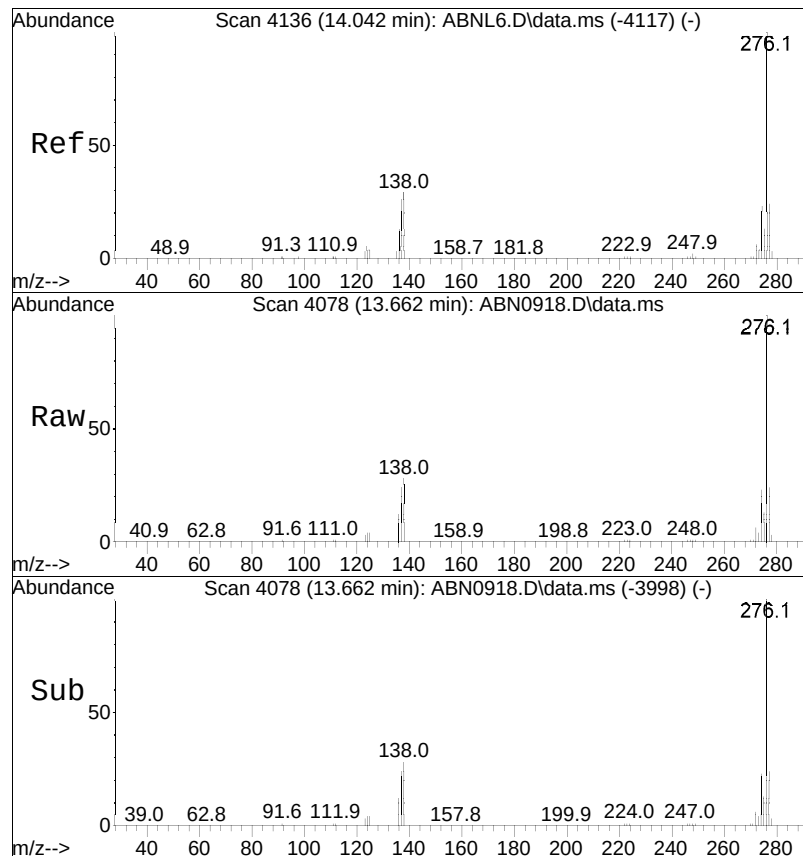
Ion Ratio Lower Upper

278 100

139 19.1 20.8 31.2#

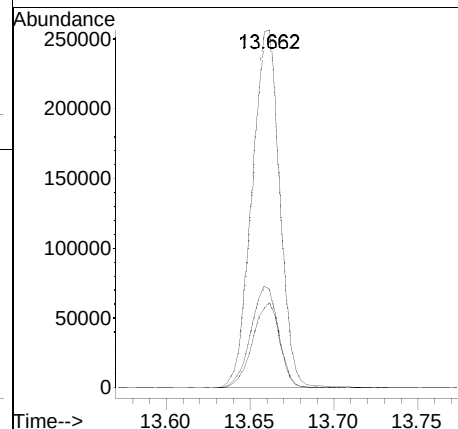
279 22.3 18.3 27.5





#116
 Benzo(ghi)perylene
 Concen: 4.70 ug/ml
 RT: 13.662 min Scan# 4078
 Delta R.T. 0.000 min
 Lab File: ABN0918.D
 Acq: 18 Sep 2025 7:46 am

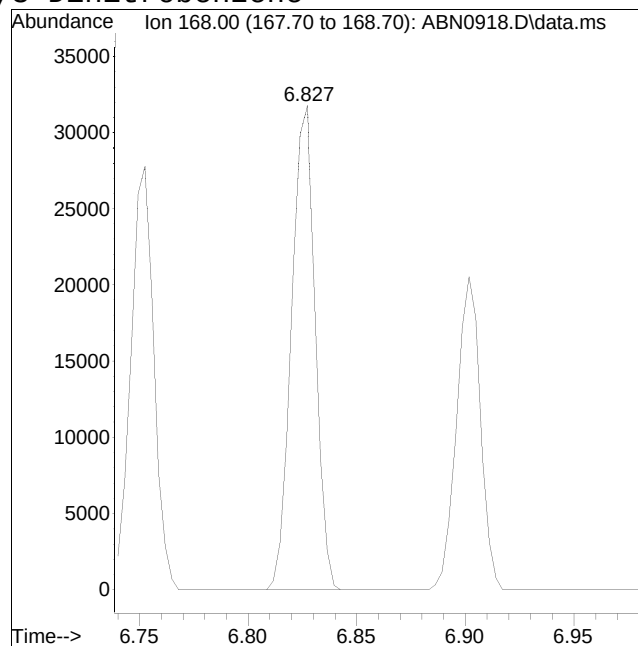
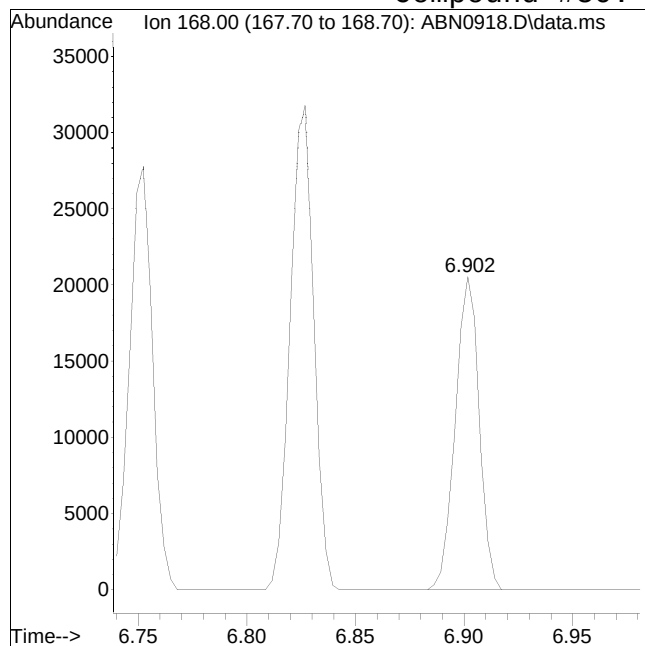
Tgt Ion:	276	Resp:	292315
Ion Ratio	Lower	Upper	
276	100		
138	28.4	29.2	43.8#
277	23.6	18.8	28.2



Manual Integration Report

Data Path : I:\8270\SV106\250918RVT\ QMethod : FS250827SV106.m
Data File : ABN0918.D Operator : SV106:jg
Date Inj'd : 9/18/2025 7:46 am Instrument : SV 106
Sample : WG2116472-3,32,,ABN 11979 Aug0900 Date : 9/18/2025 8:45 am

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 15659

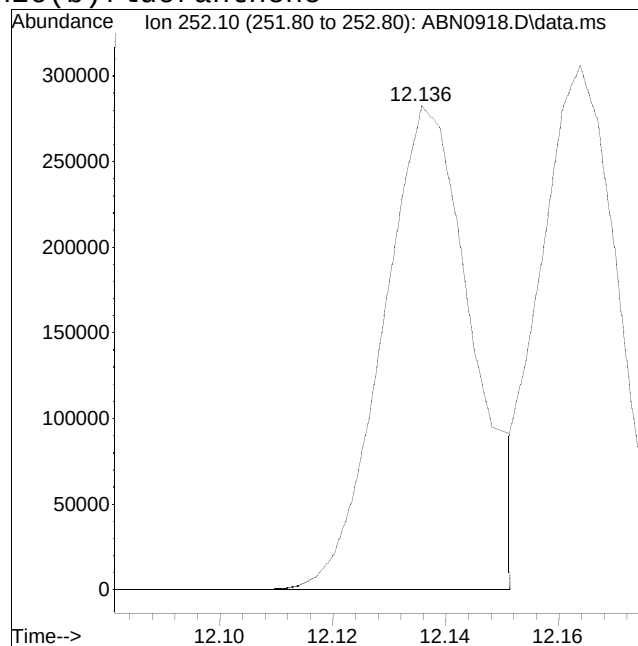
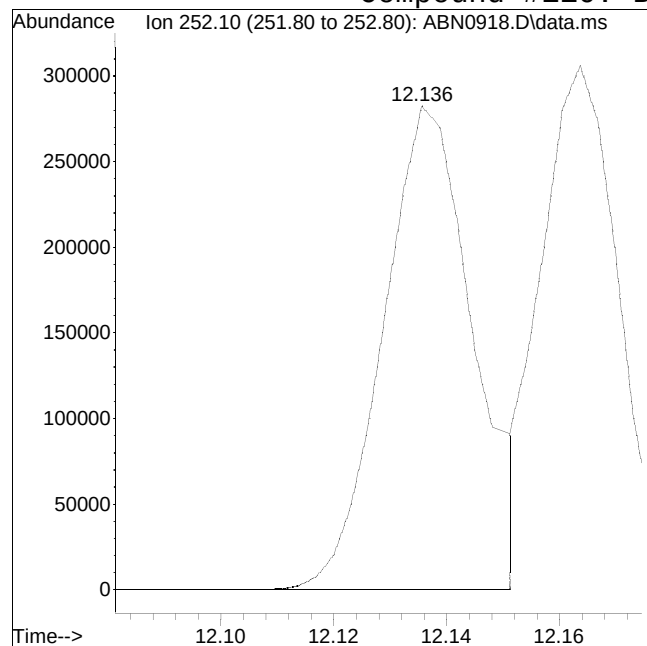
Manual Peak Response = 23987 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250918RVT\ QMethod : FS250827SV106.m
Data File : ABN0918.D Operator : SV106:jg
Date Inj'd : 9/18/2025 7:46 am Instrument : SV 106
Sample : WG2116472-3,32,,ABN 11979 Aug090000 Date : 9/18/2025 8:45 am

Compound #110: Benzo(b)fluoranthene



Original Peak Response = 313565

Manual Peak Response = 313621 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250918RVT\
 Data File : AP90918.D
 Acq On : 18 Sep 2025 8:07 am
 Operator : SV106:jg
 Sample : WG2116472-4,32,,AP9 11990 gmr0916A
 Misc : WG2116472,,ical22591
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 18 08:45:44 2025
 Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:46:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	119	0.00
28 T	Benzaldehyde	0.645	0.577	10.5	109	0.00
29 T	Acetophenone	1.905	1.506	20.9#	96	0.00
30 T	m-Toluidine	1.123	1.023	8.9	101	0.00
31 T	2-Chloroaniline	1.724	1.445	16.2	98	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	120	0.00
56 T	a-Terpineol	0.267	0.210	21.3#	94	0.00
57 T	3-Chloroaniline	0.114	0.098	14.0	95	0.00
58 T	2,6-Dichlorophenol	0.285	0.252	11.6	104	0.00
59 T	1-chloro-2-nitrobenzene	0.135	0.121	10.4	106	0.00
60 T	Caprolactam	0.142	0.115	19.0	93	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.373	0.315	15.5	104	0.00
62 T	Biphenyl	0.931	0.740	20.5#	98	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	121	0.00
84 T	Dichloran	0.158	0.147	7.0	111	0.00
85 T	Pentachloronitrobenzene	0.154	0.147	4.5	109	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	122	0.00
99 T	Diphenamid	0.487	0.420	13.8	100	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250918RVT\
 Data File : AP90918.D
 Acq On : 18 Sep 2025 8:07 am
 Operator : SV106:jg
 Sample : WG2116472-4,32,,AP9 11990 gmr0916A
 Misc : WG2116472,,ical22591
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 18 08:45:44 2025
 Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:46:21 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.030	152	36883	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	5.304	136	146397	4.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	7.029	164	85684	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	8.465	188	173850	4.000	ug/ml	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.570	105	26603	4.473	ug/ml	87
29) Acetophenone	4.459	105	69450	3.954	ug/ml#	79
30) m-Toluidine	4.549	106	47148	4.555	ug/ml	95
31) 2-Chloroaniline	4.912	127	66608	4.191	ug/ml#	89
56) a-Terpineol	5.385	59	38465	3.935	ug/ml#	83
57) 3-Chloroaniline	5.394	65	17879	4.269	ug/ml	86
58) 2,6-Dichlorophenol	5.416	162	46060	4.413	ug/ml#	84
59) 1-chloro-2-nitrobenzene	5.674	111	22182	4.498	ug/ml#	1
60) Caprolactam	5.718	55	21028	4.053	ug/ml#	70
61) 1,2,4,5-Tetrachloroben...	6.190	216	57705	4.225	ug/ml	98
62) Biphenyl	6.491	154	135413	3.975	ug/ml	98
84) Dichloran	8.173	206	15734	4.638	ug/ml#	66
85) Pentachloronitrobenzene	8.319	237	15777	4.771	ug/ml#	83
99) Diphenamid	9.404	167	91237	4.313	ug/ml#	76

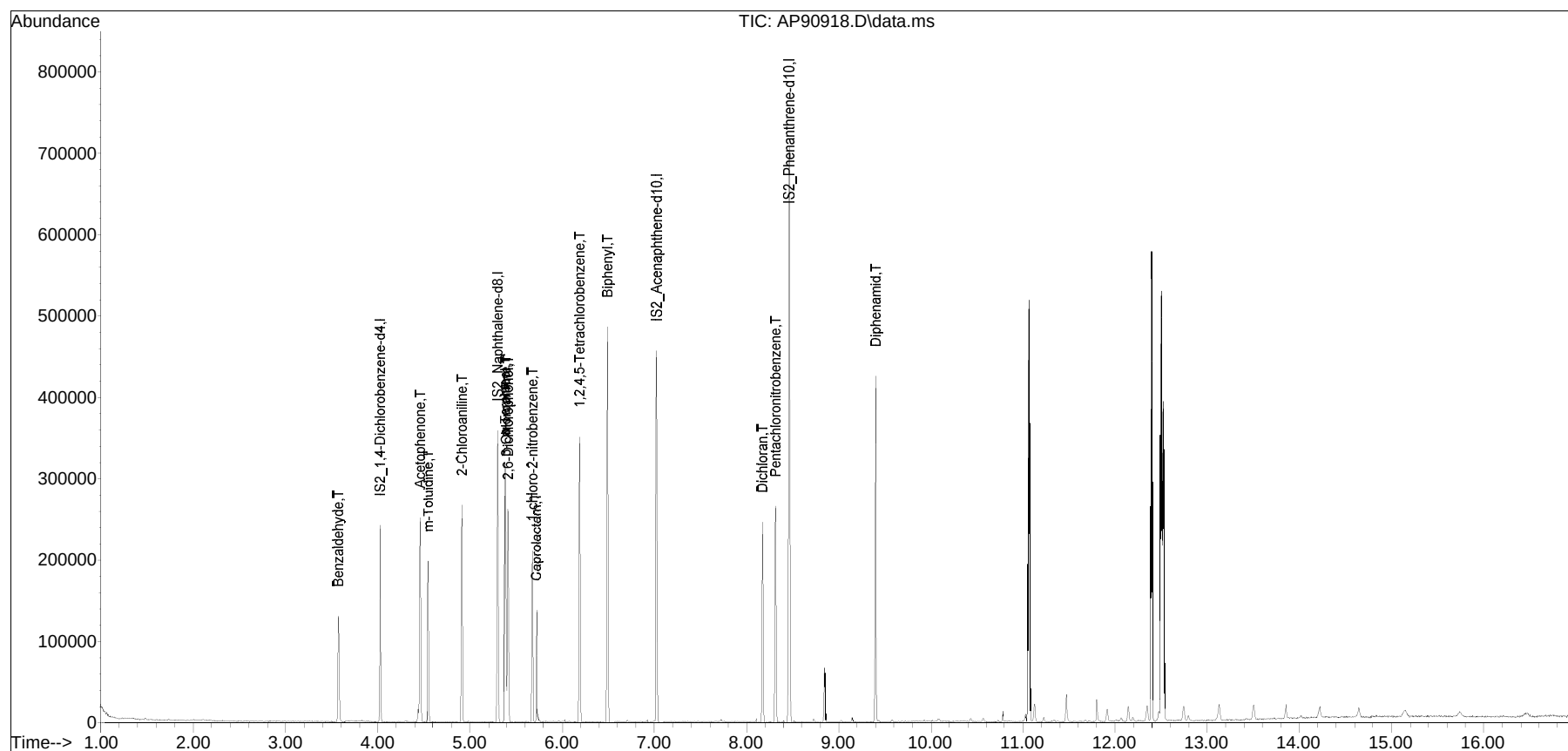
(#) = qualifier out of range (m) = manual integration (+) = signals summed

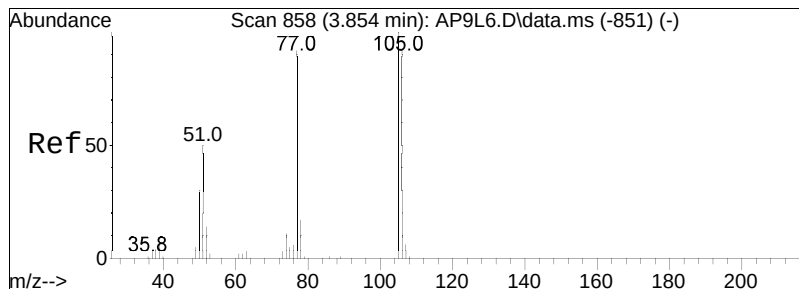
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250918RVT\
 Data File : AP90918.D
 Acq On : 18 Sep 2025 8:07 am
 Operator : SV106:jg
 Sample : WG2116472-4,32,,AP9 11990 gmr0916A
 Misc : WG2116472,,ical22591
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 18 08:45:44 2025
 Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:46:21 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist





#28

Benzaldehyde

Concen: 4.47 ug/ml

RT: 3.570 min Scan# 831

Delta R.T. 0.000 min

Lab File: AP90918.D

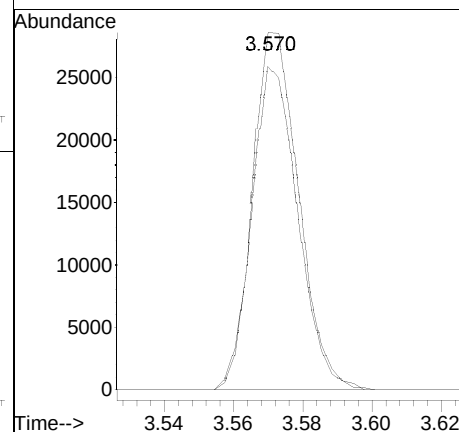
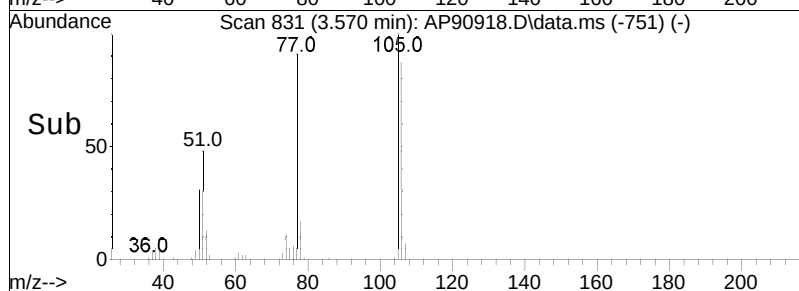
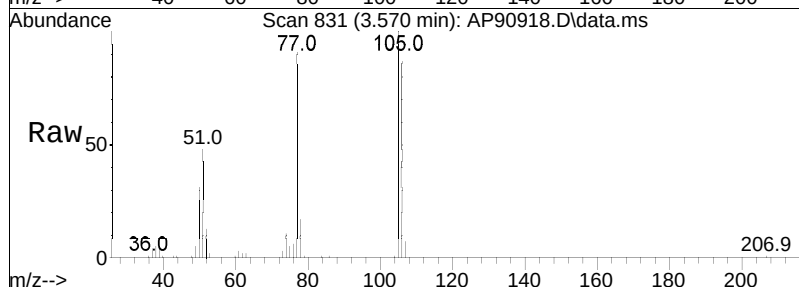
Acq: 18 Sep 2025 8:07 am

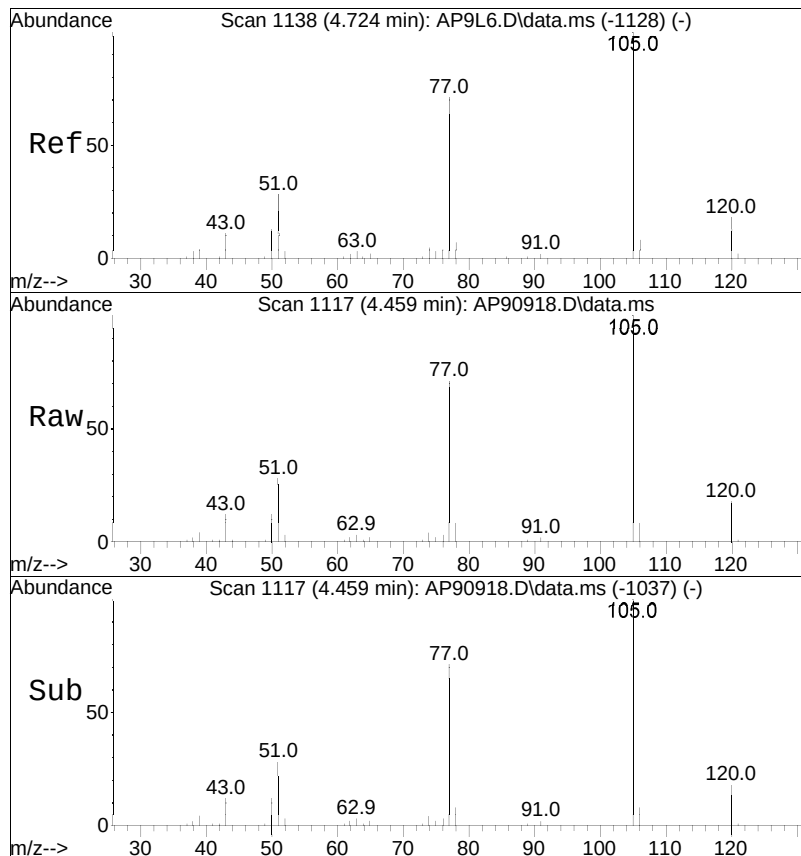
Tgt Ion:105 Resp: 26603

Ion Ratio Lower Upper

105 100

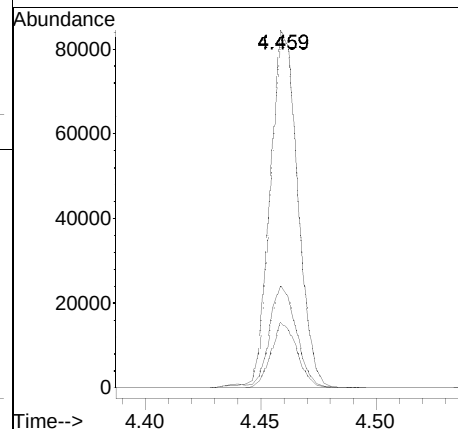
77 89.3 82.2 123.4

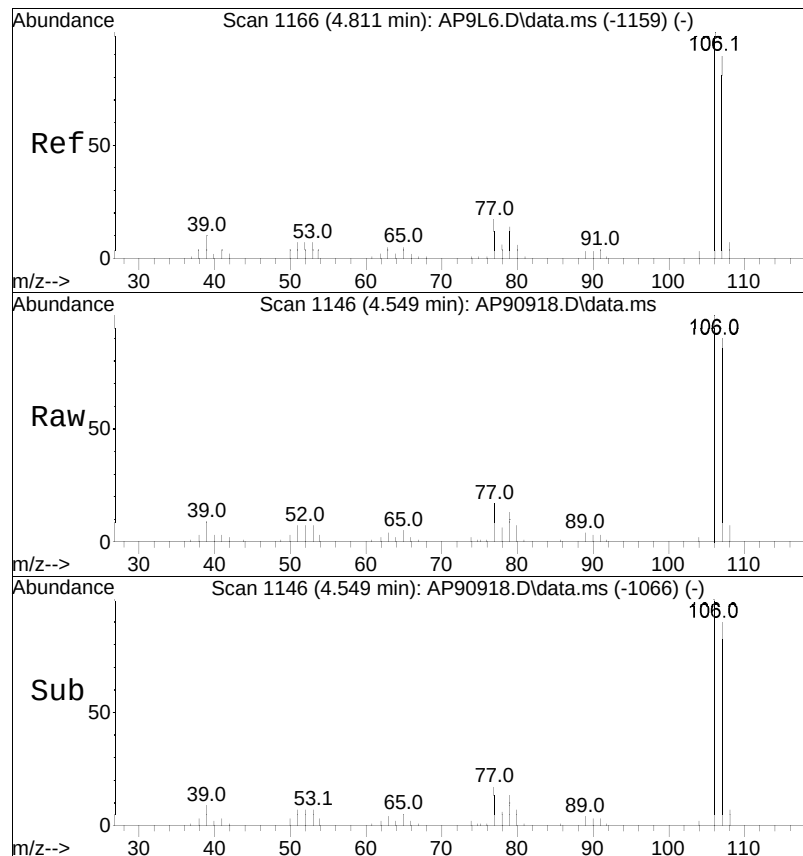




#29
 Acetophenone
 Concen: 3.95 ug/ml
 RT: 4.459 min Scan# 1117
 Delta R.T. 0.000 min
 Lab File: AP90918.D
 Acq: 18 Sep 2025 8:07 am

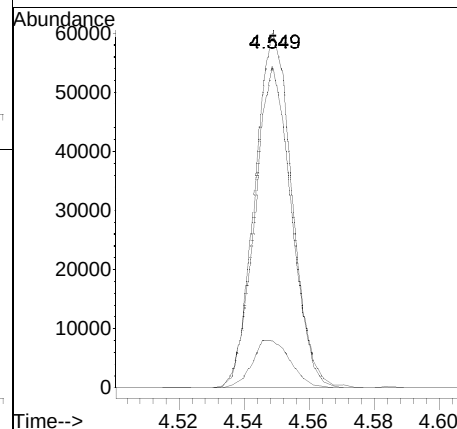
Tgt	Ion:105	Resp:	69450
Ion	Ratio	Lower	Upper
105	100		
120	17.4	20.5	30.7#
51	28.7	34.9	52.3#

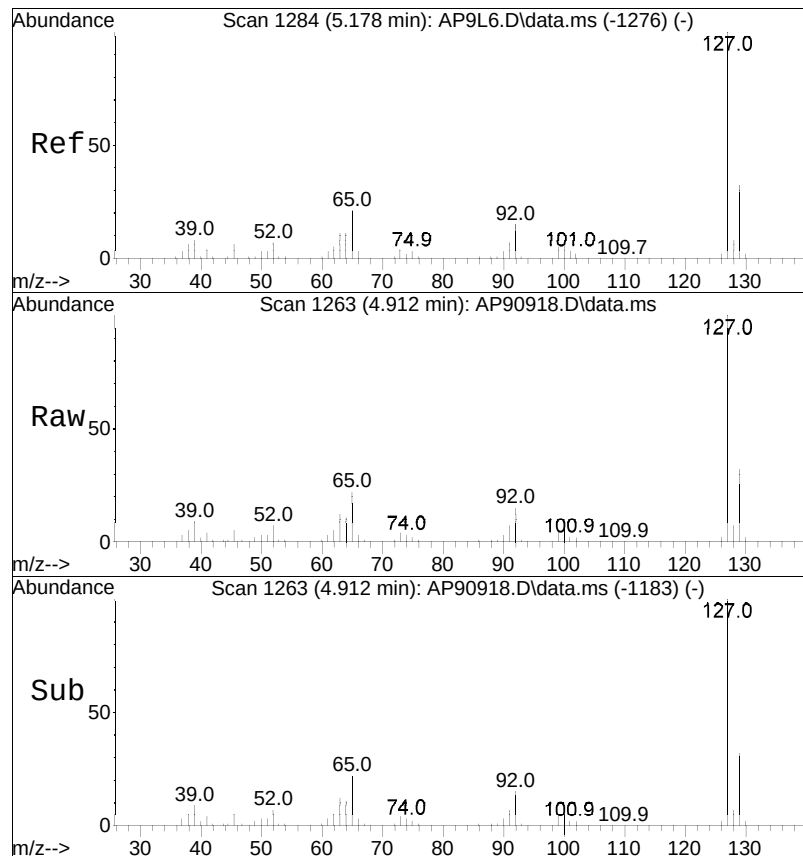




#30
 m-Toluidine
 Concen: 4.55 ug/ml
 RT: 4.549 min Scan# 1146
 Delta R.T. 0.000 min
 Lab File: AP90918.D
 Acq: 18 Sep 2025 8:07 am

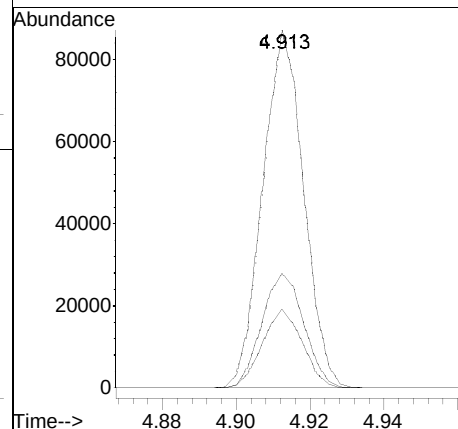
Tgt Ion:	106	Resp:	47148
Ion Ratio	Lower	Upper	
106	100		
107	89.0	75.7	113.5
79	13.8	11.8	17.8

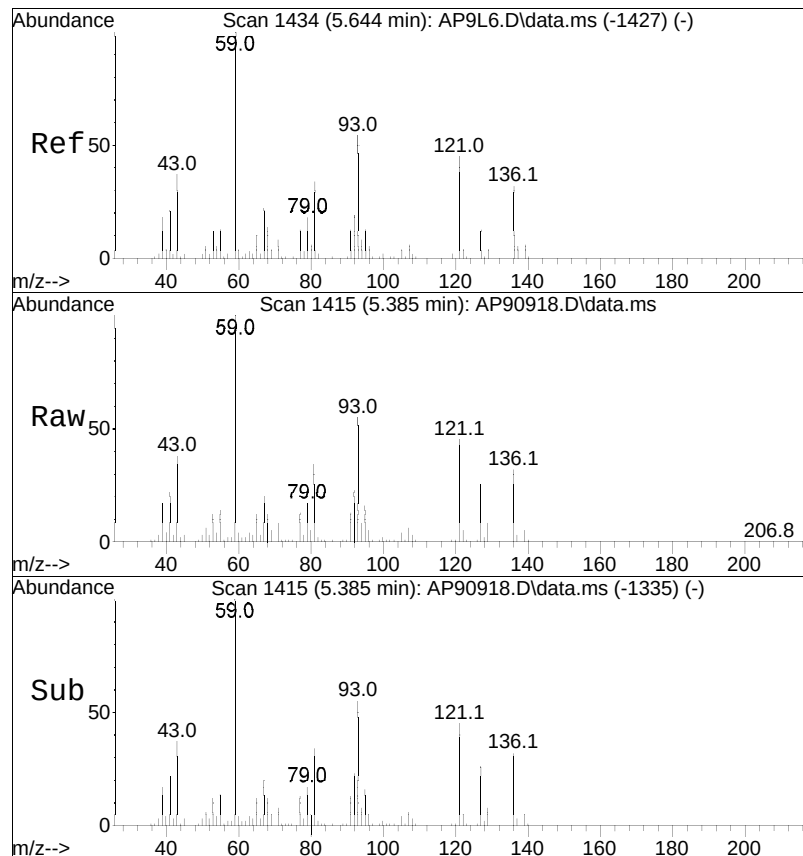




#31
 2-Chloroaniline
 Concen: 4.19 ug/ml
 RT: 4.912 min Scan# 1263
 Delta R.T. 0.000 min
 Lab File: AP90918.D
 Acq: 18 Sep 2025 8:07 am

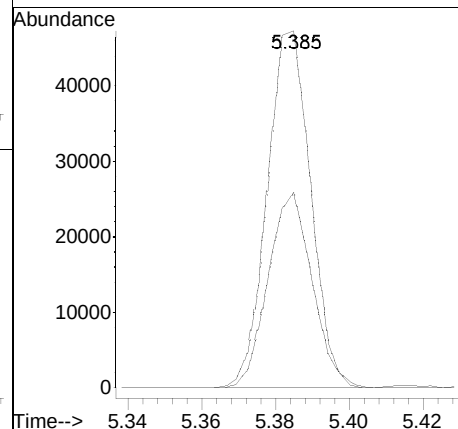
Tgt Ion:	127	Resp:	66608
Ion Ratio	Lower	Upper	
127	100		
129	33.0	25.9	38.9
65	21.7	26.3	39.5#

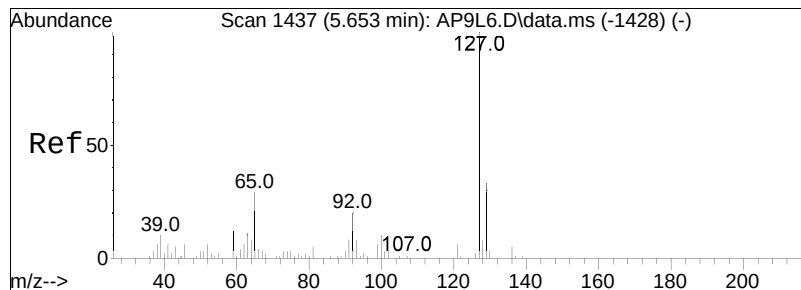




#56
a-Terpineol
Concen: 3.94 ug/ml
RT: 5.385 min Scan# 1415
Delta R.T. 0.000 min
Lab File: AP90918.D
Acq: 18 Sep 2025 8:07 am

Tgt Ion:	59	93	Ratio	100	55.6	Resp:	38465	Lower	Upper





#57

3-Chloroaniline

Concen: 4.27 ug/ml

RT: 5.394 min Scan# 1418

Delta R.T. 0.000 min

Lab File: AP90918.D

Acq: 18 Sep 2025 8:07 am

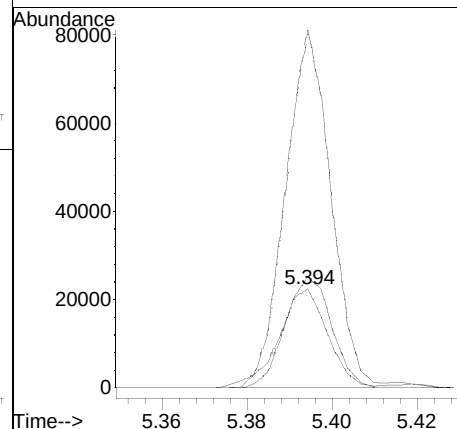
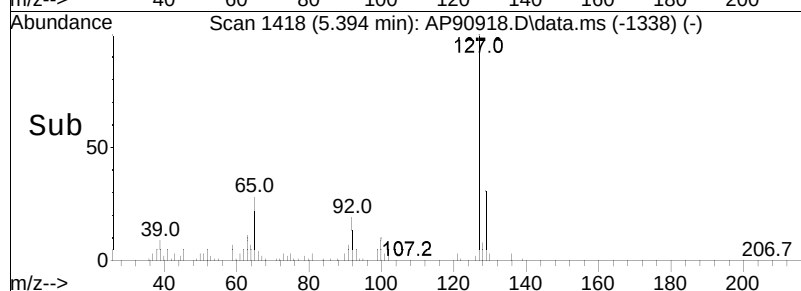
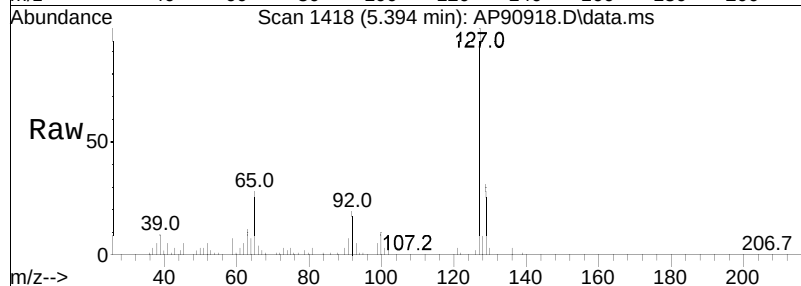
Tgt Ion: 65 Resp: 17879

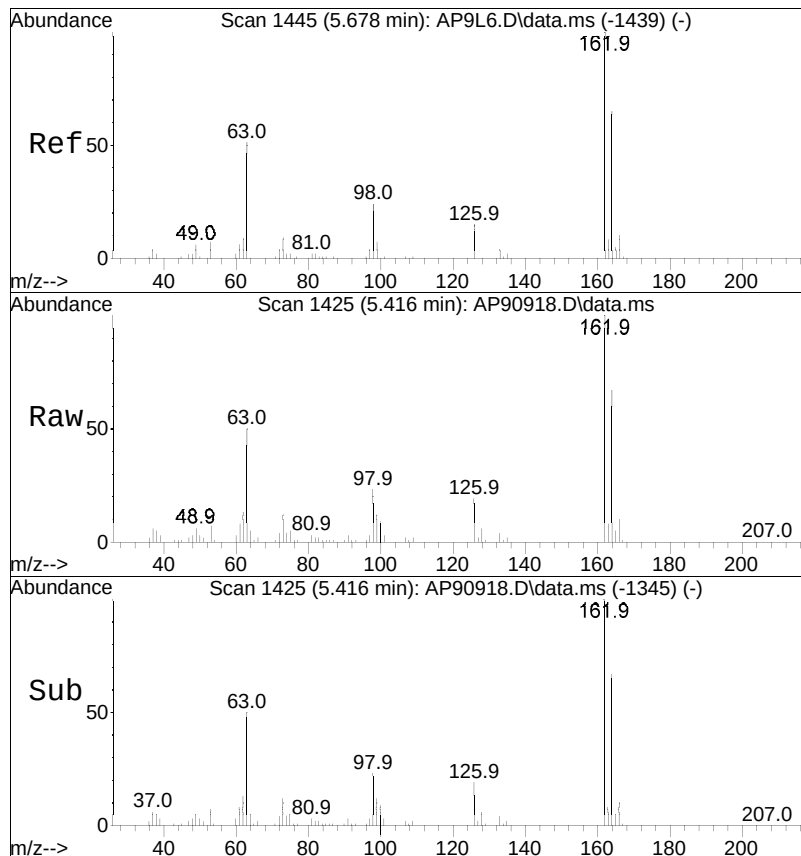
Ion Ratio Lower Upper

65 100

127 336.1 243.2 364.8

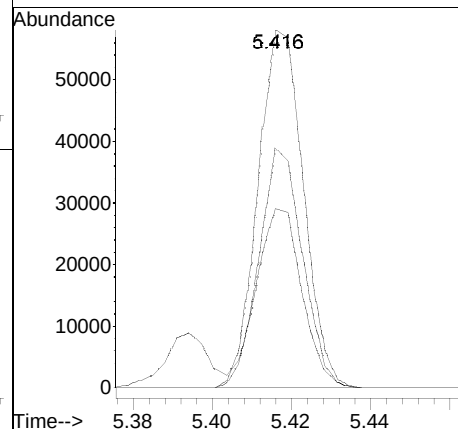
129 107.2 78.8 118.2

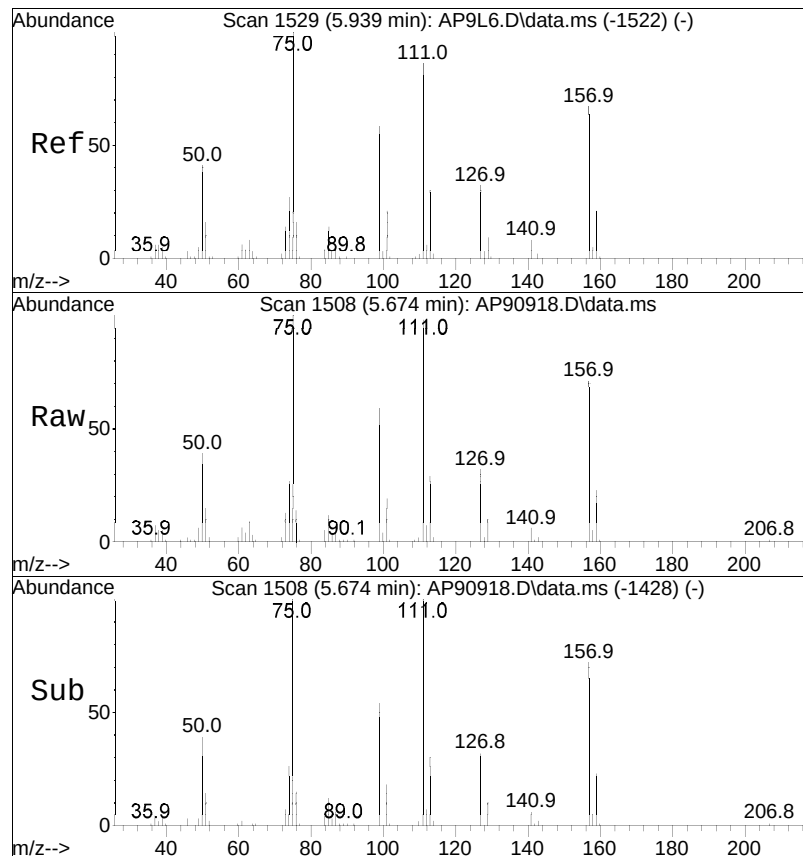




#58
 2,6-Dichlorophenol
 Concen: 4.41 ug/ml
 RT: 5.416 min Scan# 1425
 Delta R.T. 0.000 min
 Lab File: AP90918.D
 Acq: 18 Sep 2025 8:07 am

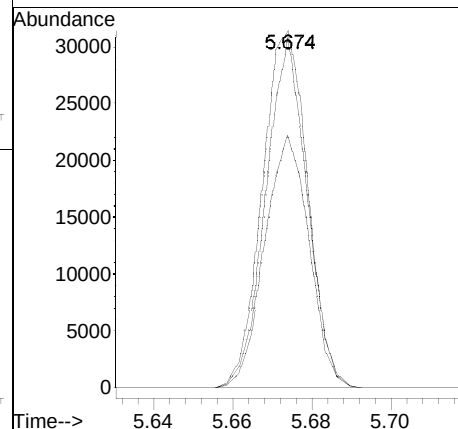
Tgt Ion:	162	Resp:	46060
Ion Ratio	Lower	Upper	
162	100		
164	64.2	51.1	76.7
63	50.4	60.8	91.2#

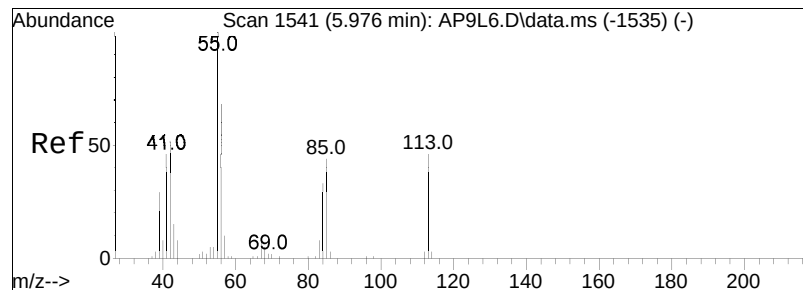




#59
 1-chloro-2-nitrobenzene
 Concen: 4.50 ug/ml
 RT: 5.674 min Scan# 1508
 Delta R.T. 0.000 min
 Lab File: AP90918.D
 Acq: 18 Sep 2025 8:07 am

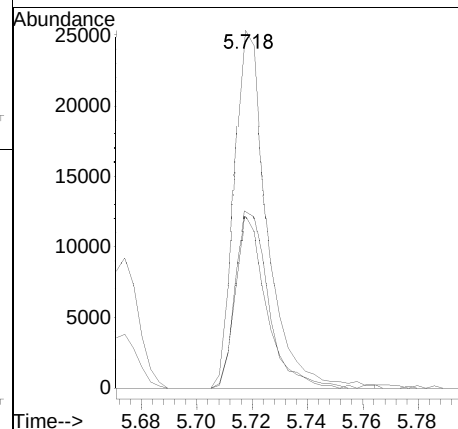
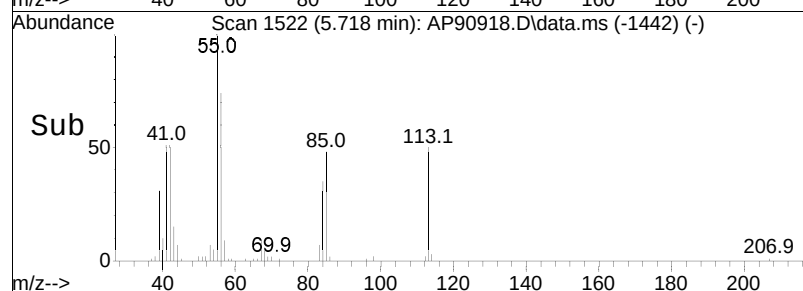
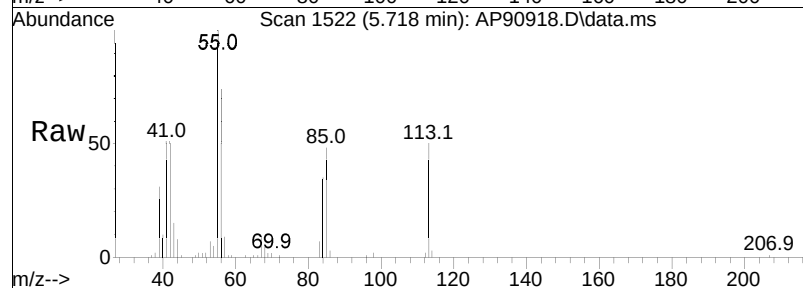
Tgt Ion:	111	Resp:	22182
Ion Ratio	Lower	Upper	
111	100		
157	77.6	0.0	0.0#
75	112.2	28.2	42.2#

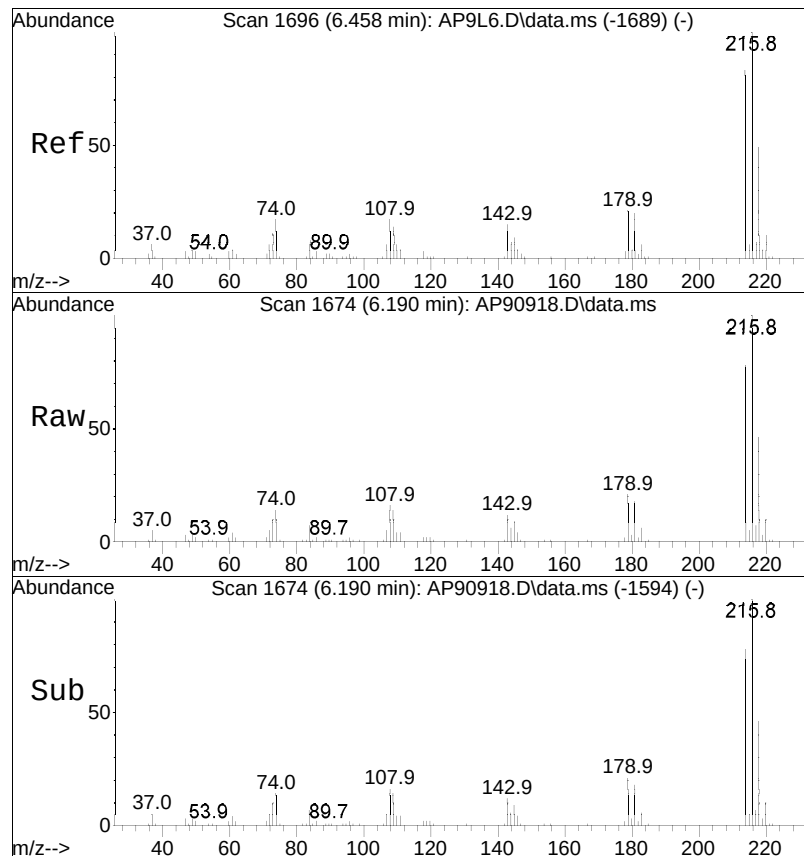




#60
 Caprolactam
 Concen: 4.05 ug/ml
 RT: 5.718 min Scan# 1522
 Delta R.T. 0.000 min
 Lab File: AP90918.D
 Acq: 18 Sep 2025 8:07 am

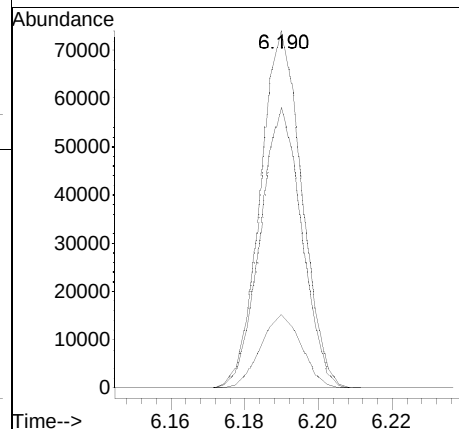
Tgt Ion	Ratio	Lower	Upper
55	100		
85	45.2	19.8	29.6#
113	50.1	29.6	44.4#

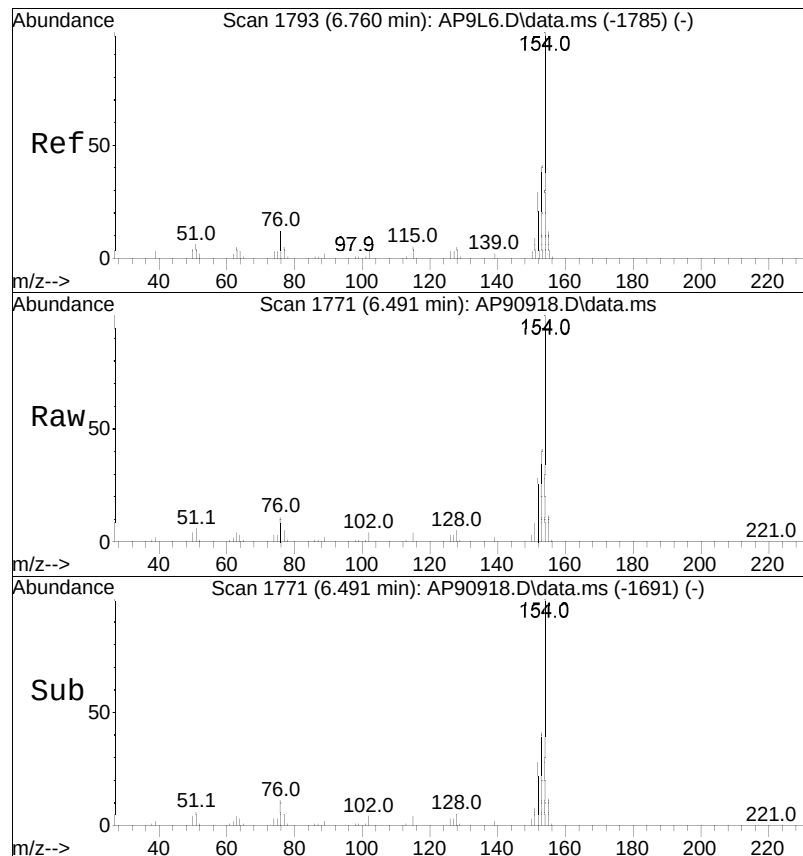




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.23 ug/ml
 RT: 6.190 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: AP90918.D
 Acq: 18 Sep 2025 8:07 am

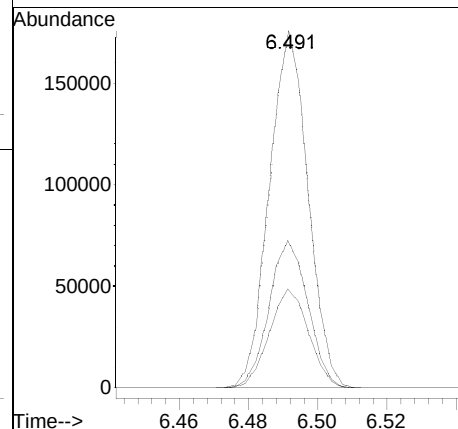
Tgt Ion:	216	Resp:	57705
Ion Ratio	Lower	Upper	
216	100		
214	78.6	63.7	95.5
179	20.4	19.0	28.6

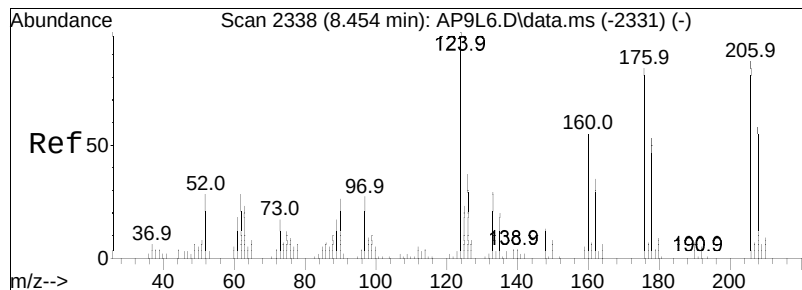




#62
 Biphenyl
 Concen: 3.97 ug/ml
 RT: 6.491 min Scan# 1771
 Delta R.T. 0.000 min
 Lab File: AP90918.D
 Acq: 18 Sep 2025 8:07 am

Tgt Ion:	154	Resp:	135413
Ion Ratio	Lower	Upper	
154	100		
153	41.7	32.3	48.5
152	28.4	22.5	33.7





#84

Dichloran

Concen: 4.64 ug/ml

RT: 8.173 min Scan# 2312

Delta R.T. 0.000 min

Lab File: AP90918.D

Acq: 18 Sep 2025 8:07 am

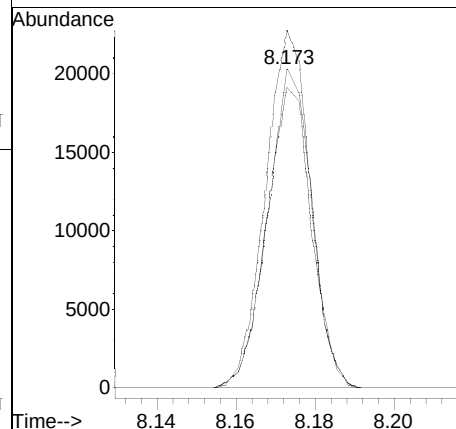
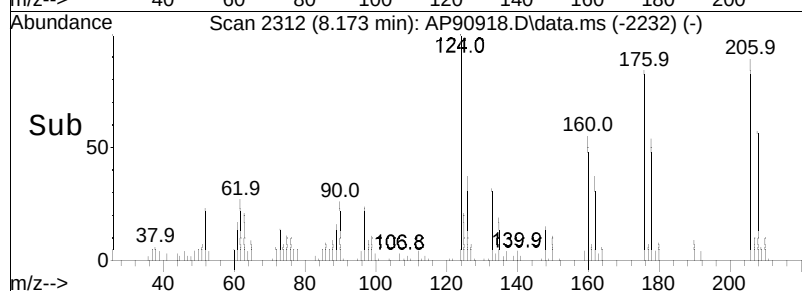
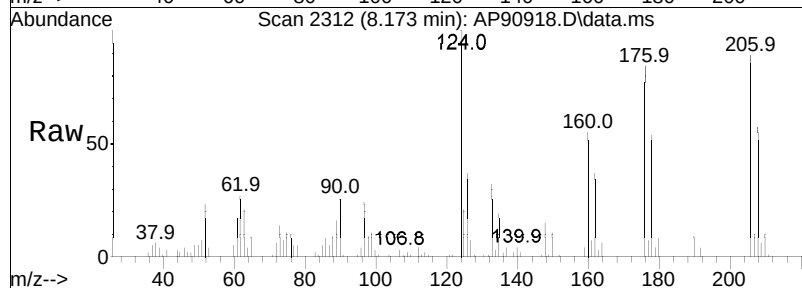
Tgt Ion:206 Resp: 15734

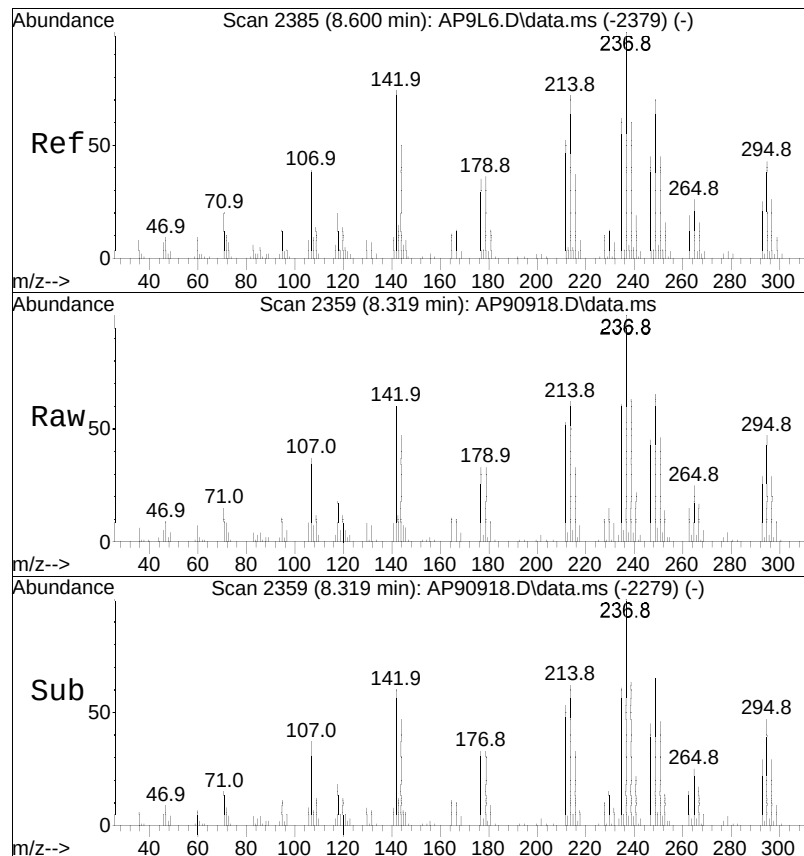
Ion Ratio Lower Upper

206 100

176 95.5 104.6 157.0#

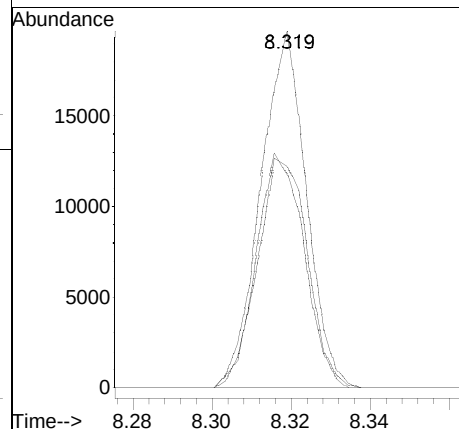
124 113.3 130.5 195.7#

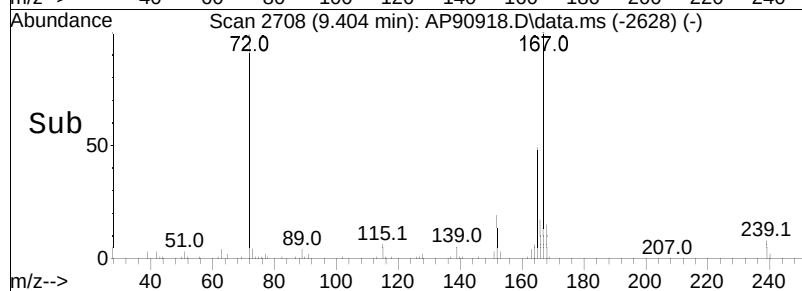
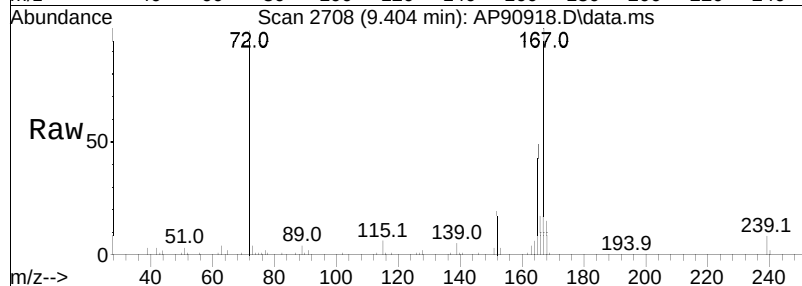
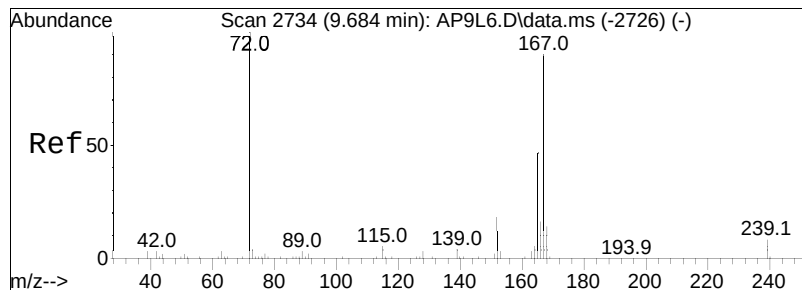




#85
 Pentachloronitrobenzene
 Concen: 4.77 ug/ml
 RT: 8.319 min Scan# 2359
 Delta R.T. 0.000 min
 Lab File: AP90918.D
 Acq: 18 Sep 2025 8:07 am

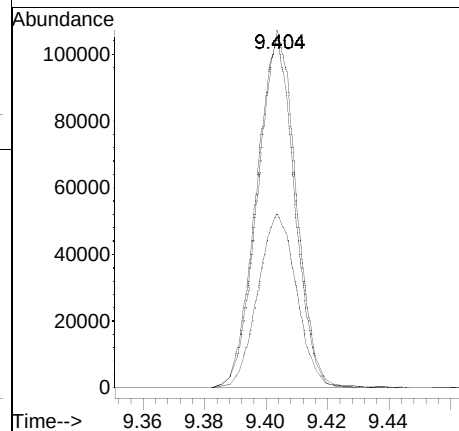
Tgt Ion	Ratio	Lower	Upper
237	100		
142	68.9	77.0	115.4#
214	70.3	58.2	87.4





#99
 Diphenamid
 Concen: 4.31 ug/ml
 RT: 9.404 min Scan# 2708
 Delta R.T. 0.000 min
 Lab File: AP90918.D
 Acq: 18 Sep 2025 8:07 am

Tgt Ion	Ratio	Lower	Upper
167	100		
72	98.3	109.7	164.5#
165	50.0	41.8	62.6



Manual Integration Report

Data Path : I:\8270\SV106\250918RVT\ QMethod : FS250827SV106.m
Data File : AP90918.D Operator : SV106:jg
Date Inj'd : 9/18/2025 8:07 am Instrument : SV 106
Sample : WG2116472-4,32,,AP9 11990 QMethod : 9/18/2025 8:46 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250918RVT\
 Data File : ADP0918.D
 Acq On : 18 Sep 2025 8:29 am
 Operator : SV106:jg
 Sample : WG2116472-5,32,,ADP 11661 gmr0913A
 Misc : WG2116472,,ical22591
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 18 08:58:04 2025
 Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:58:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	126	0.00
33 t	1,4-Dioxane	0.477	0.416	12.8	116	0.00
34 T	n-Decane	1.449	1.280	11.7	113	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	128	0.00
87 T	Atrazine	0.372	0.384	-3.2	131	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	130	0.00
101 T	n-Octadecane	0.480	0.426	11.2	113	0.00
102 T	Parathion	* 5.000	4.370	12.6	132	0.00
103 T	3,3'-Dimethylbenzidine	* 5.000	3.904	21.9#	98	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250918RVT\
 Data File : ADP0918.D
 Acq On : 18 Sep 2025 8:29 am
 Operator : SV106:jg
 Sample : WG2116472-5,32,,ADP 11661 gmr0913A
 Misc : WG2116472,,ical22591
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 18 08:58:04 2025
 Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Sep 18 08:58:41 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.030	152	39584	4.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	7.029	164	89364	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	8.462	188	181181	4.000	ug/ml	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.124	88	20586	4.364	ug/ml#	82
34) n-Decane	3.943	57	63341	4.416	ug/ml#	41
87) Atrazine	8.275	200	42932	5.167	ug/ml	94
101) n-Octadecane	8.496	57	96571	4.443	ug/ml#	1
102) Parathion	9.286	109	24759	4.370	ug/ml	98
103) 3,3'-Dimethylbenzidine	10.541	212	110077	3.904	ug/ml	99

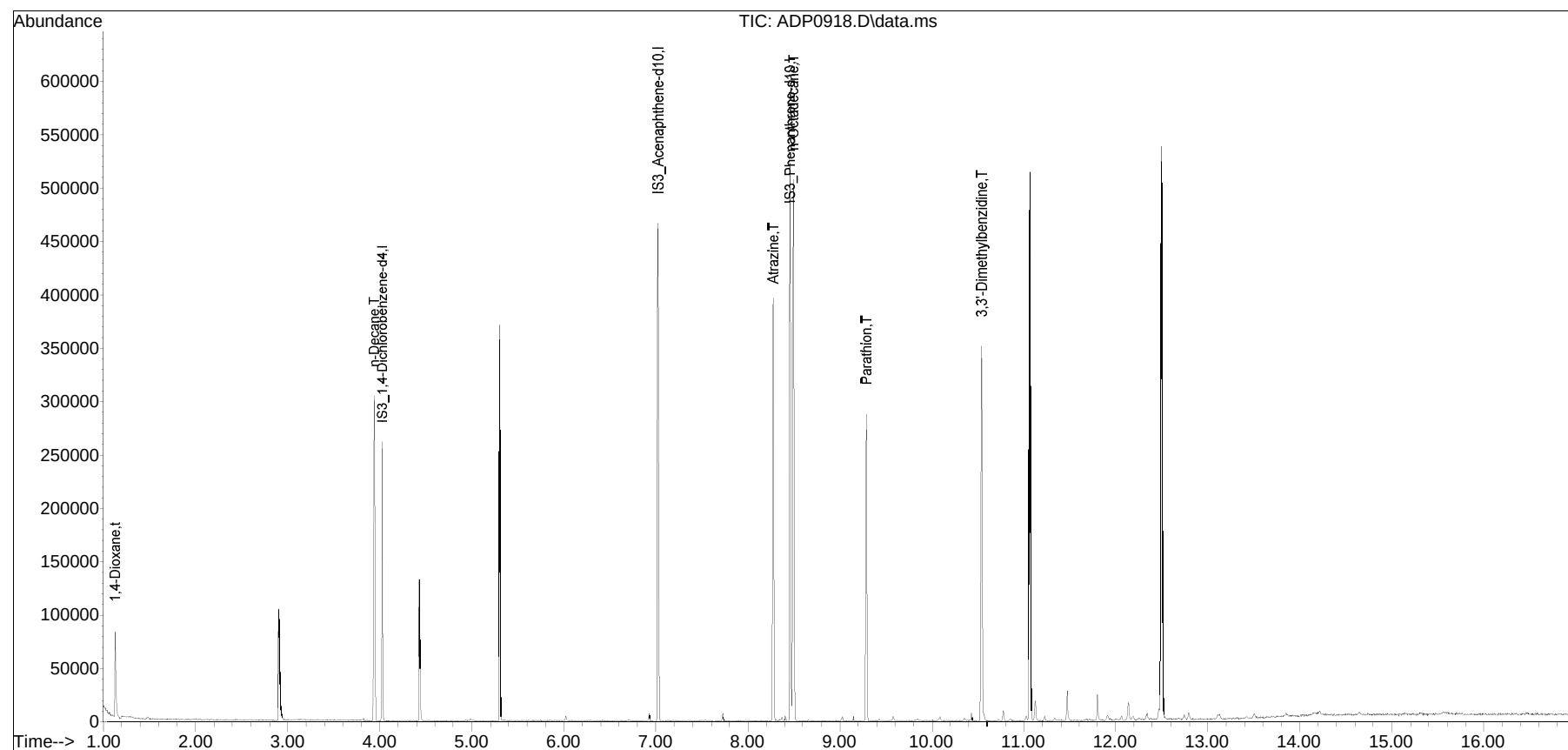
(#) = qualifier out of range (m) = manual integration (+) = signals summed

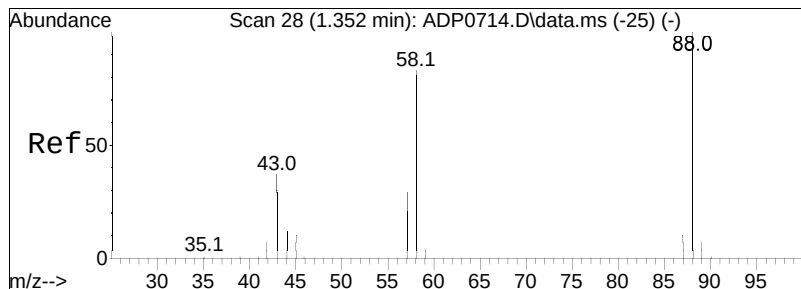
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250918RVT\
Data File : ADP0918.D
Acq On : 18 Sep 2025 8:29 am
Operator : SV106:jg
Sample : WG2116472-5,32,,ADP 11661 gmr0913A
Misc : WG2116472,,ical22591
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 18 08:58:04 2025
Quant Method : I:\8270\SV106\250918RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Sep 18 08:58:41 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist





#33

1,4-Dioxane

Concen: 4.36 ug/ml

RT: 1.124 min Scan# 44

Delta R.T. 0.000 min

Lab File: ADP0918.D

Acq: 18 Sep 2025 8:29 am

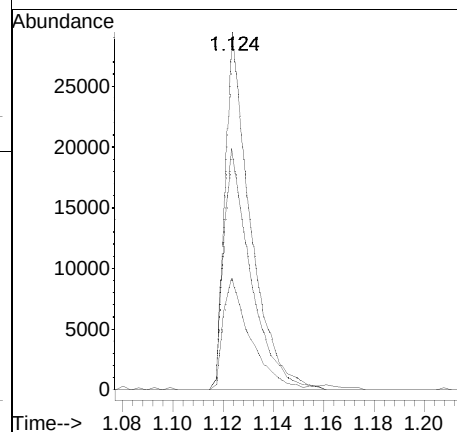
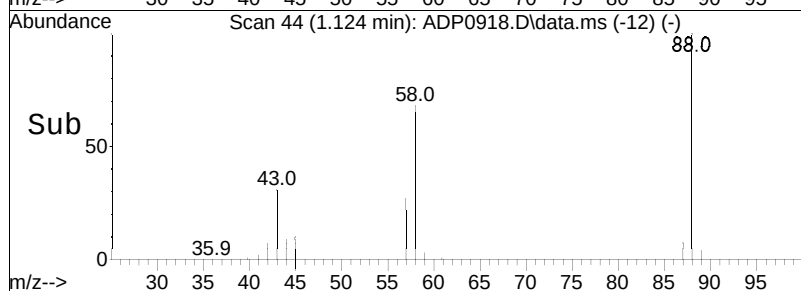
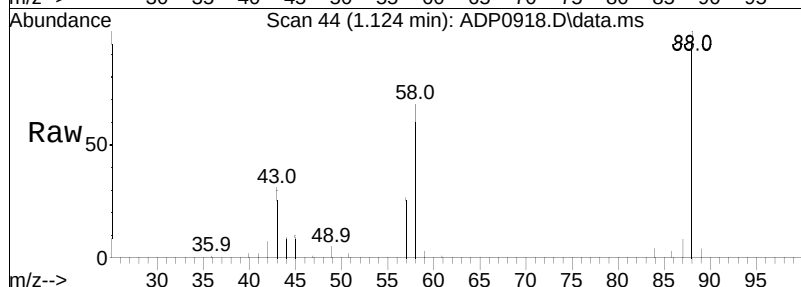
Tgt Ion: 88 Resp: 20586

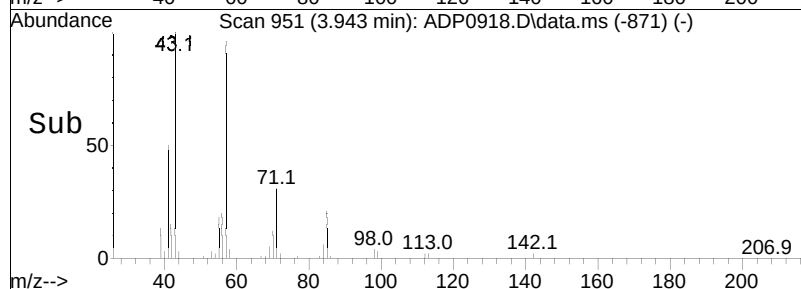
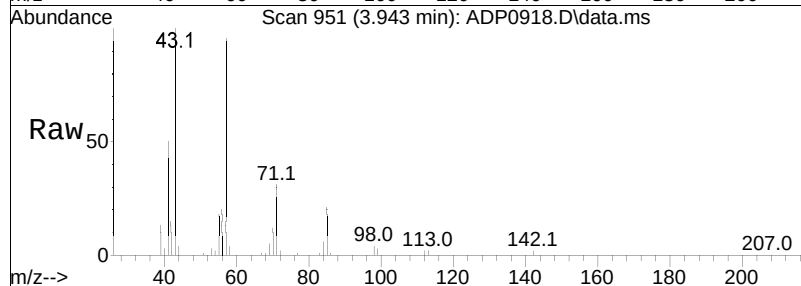
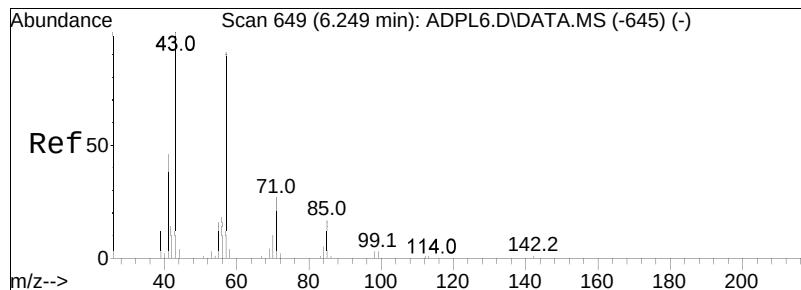
Ion Ratio Lower Upper

88 100

58 71.5 44.8 67.2#

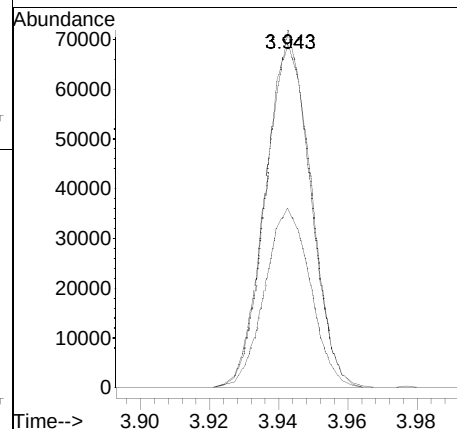
43 34.0 22.4 33.6#

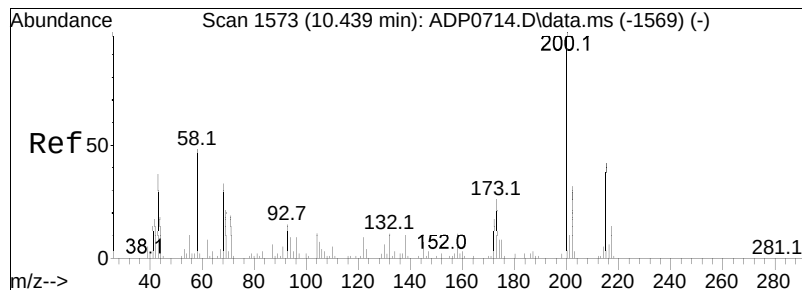




#34
n-Decane
Concen: 4.42 ug/ml
RT: 3.943 min Scan# 951
Delta R.T. 0.000 min
Lab File: ADP0918.D
Acq: 18 Sep 2025 8:29 am

Tgt	Ion	Ratio	Resp	Lower	Upper
57	100		63341		
43	100.3	0.2		0.2#	
41	51.8	0.2		0.2#	





#87

Atrazine

Concen: 5.17 ug/ml

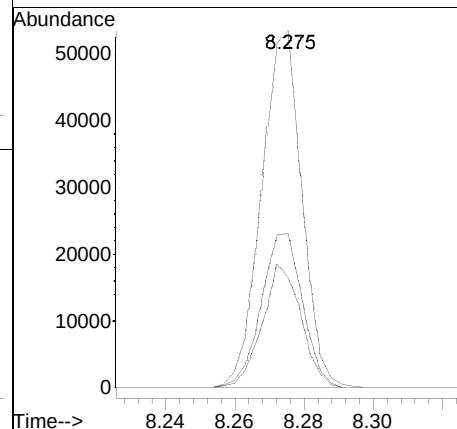
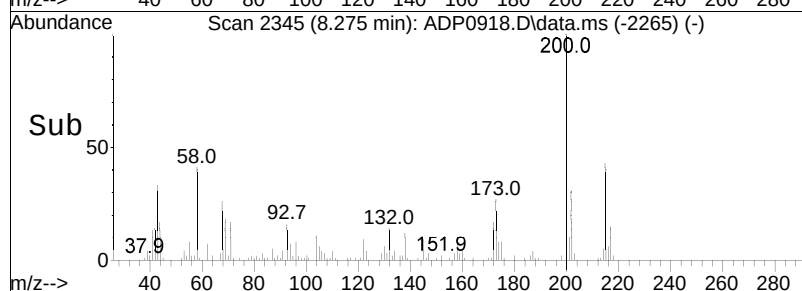
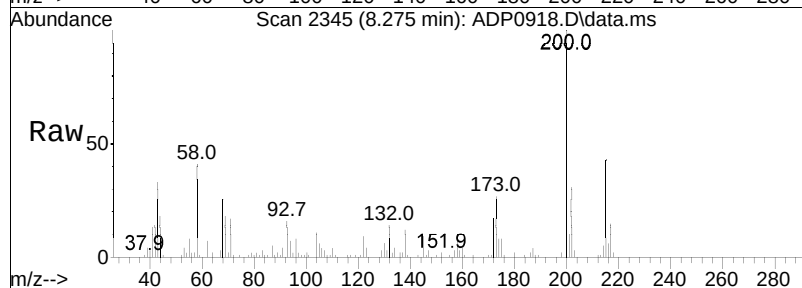
RT: 8.275 min Scan# 2345

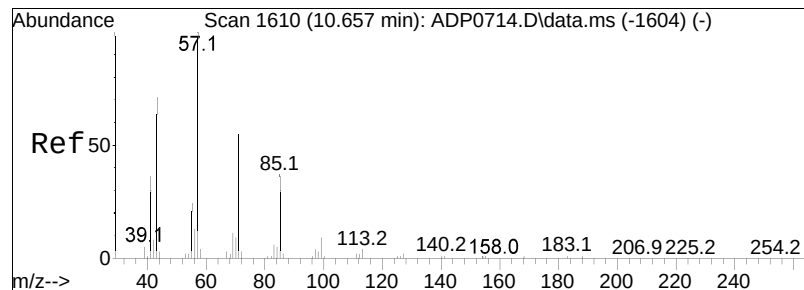
Delta R.T. 0.000 min

Lab File: ADP0918.D

Acq: 18 Sep 2025 8:29 am

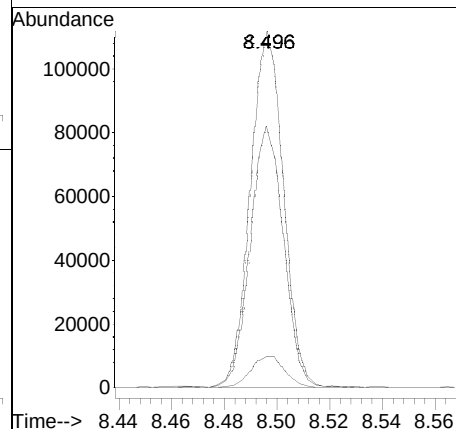
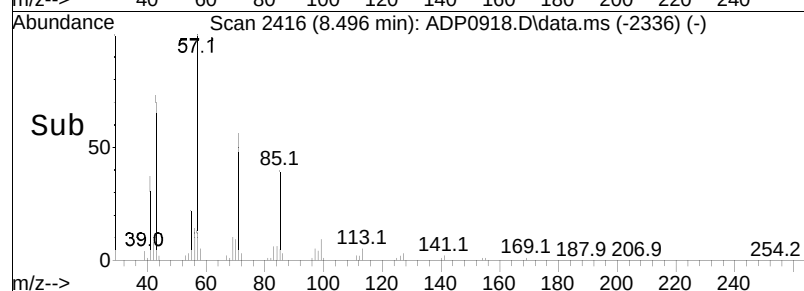
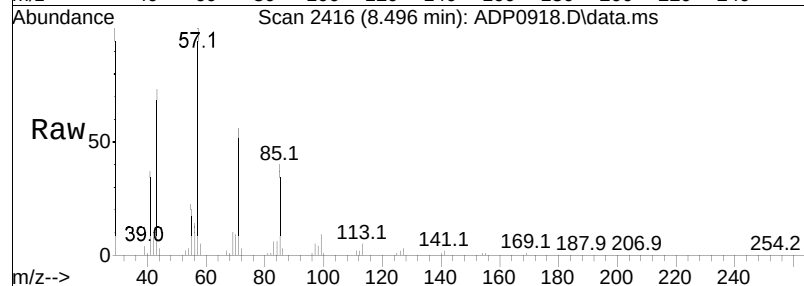
Tgt	Ion:200	Resp:	42932
Ion	Ratio	Lower	Upper
200	100		
202	33.3	25.8	38.6
215	44.3	40.2	60.4

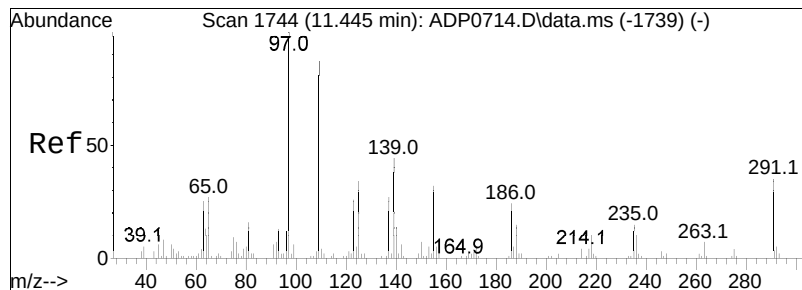




#101
 n-Octadecane
 Concen: 4.44 ug/ml
 RT: 8.496 min Scan# 2416
 Delta R.T. 0.000 min
 Lab File: ADP0918.D
 Acq: 18 Sep 2025 8:29 am

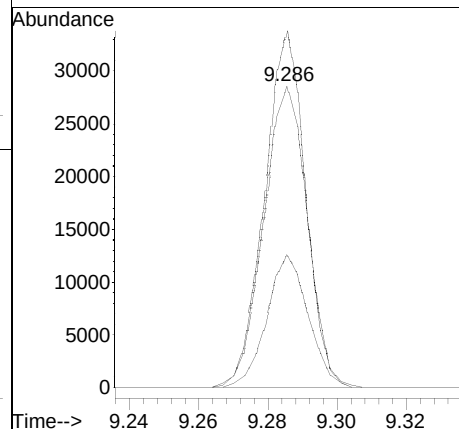
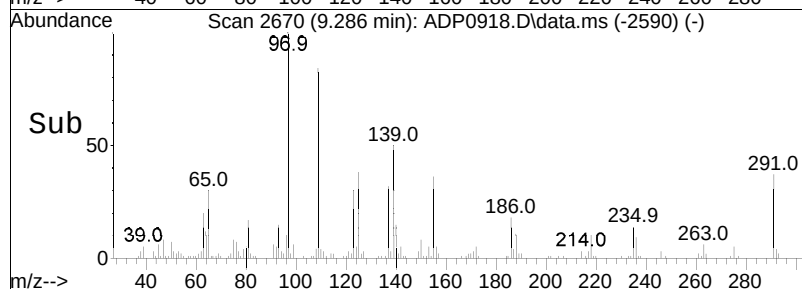
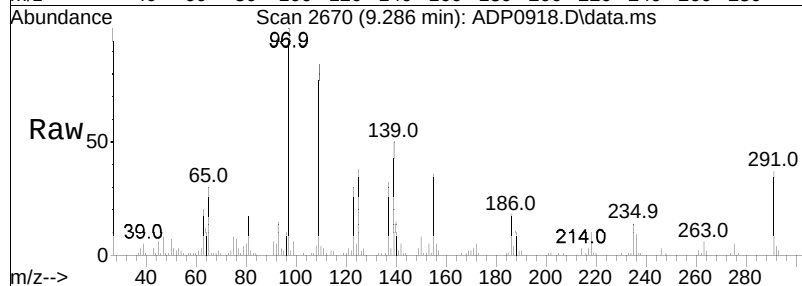
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	96571		
43	74.2		9.0	13.6#
70	9.1		0.2	0.2#

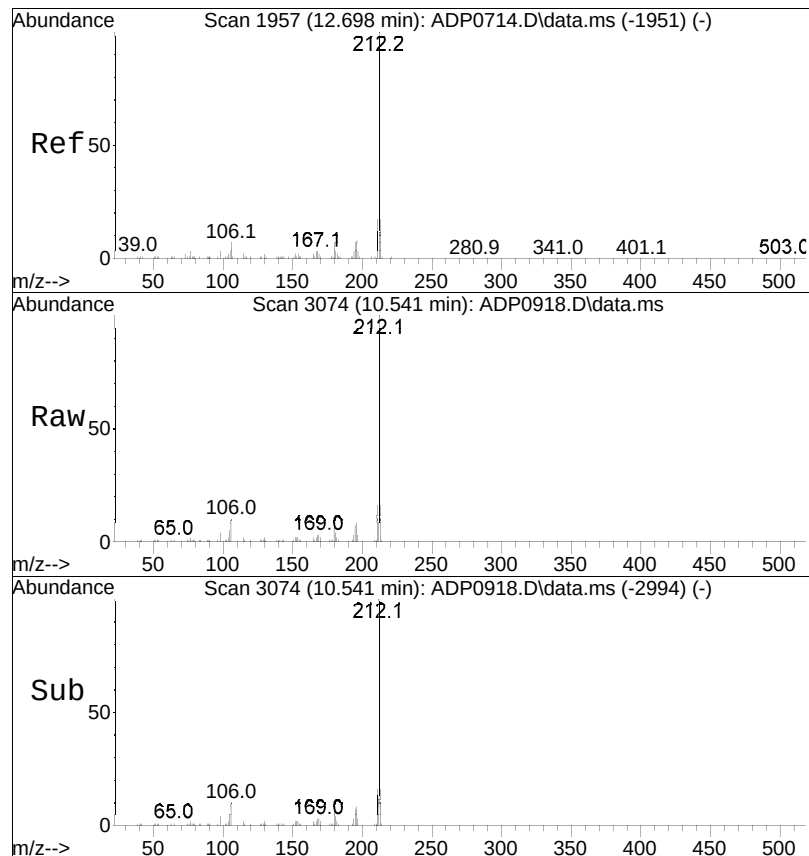




#102
 Parathion
 Concen: 4.37 ug/ml
 RT: 9.286 min Scan# 2670
 Delta R.T. 0.000 min
 Lab File: ADP0918.D
 Acq: 18 Sep 2025 8:29 am

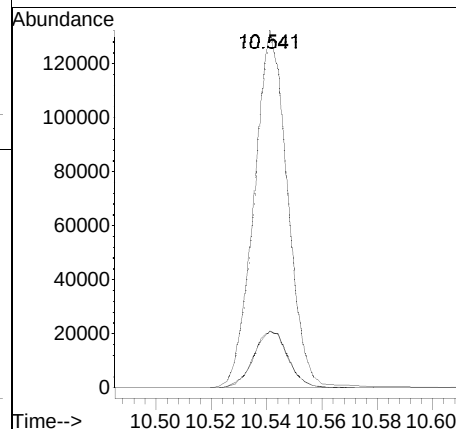
Tgt Ion	Ratio	Lower	Upper
109	100		
97	111.9	87.4	131.2
291	42.0	34.2	51.2





#103
 3,3'-Dimethylbenzidine
 Concen: 3.90 ug/ml
 RT: 10.541 min Scan# 3074
 Delta R.T. 0.000 min
 Lab File: ADP0918.D
 Acq: 18 Sep 2025 8:29 am

Tgt Ion:	212	Resp:	110077
Ion Ratio	Lower	Upper	
212	100		
211	16.5	12.9	19.3
213	16.3	13.2	19.8



Manual Integration Report

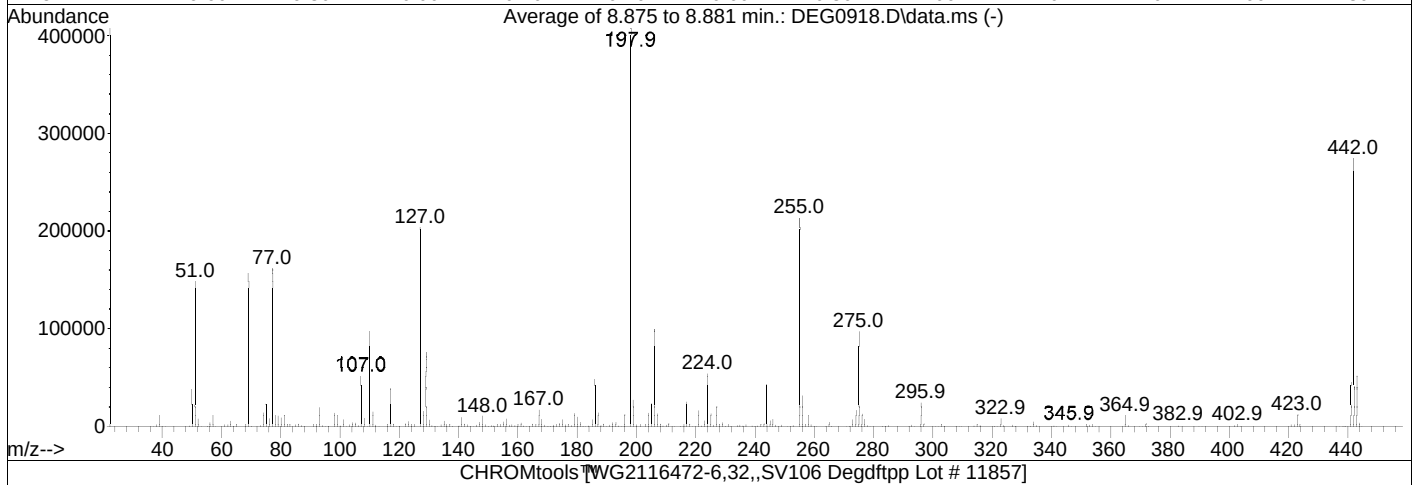
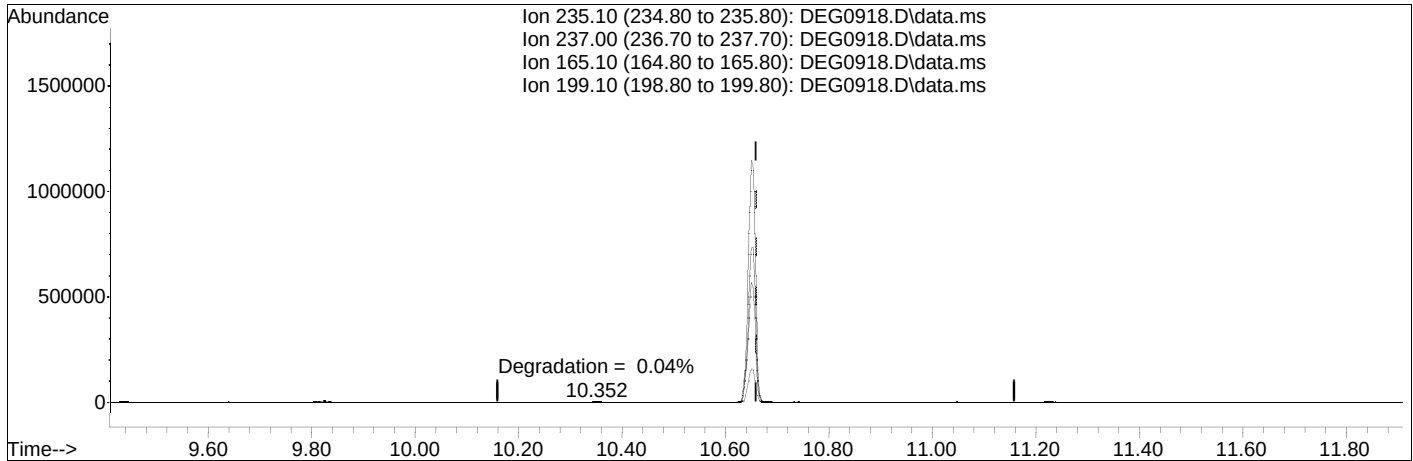
Data Path : I:\8270\SV106\250918RVT\ QMethod : FS250827SV106.m
Data File : ADP0918.D Operator : SV106:jg
Date Inj'd : 9/18/2025 8:29 am Instrument : SV 106
Sample : WG2116472-5,32,,ADP 11661 QMethod : 9/18/2025 8:58 am

There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250918RVT\
Data File : DEG0918.D
Acq On : 18 Sep 2025 7:24 am
Operator : SV106:jg
Sample : WG2116472-2,32,,SV106 Degdftpp Lot # 11857
Misc : WG2116472,,ical22591
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 18 07:56:14 2025
Quant Method : I:\8270\SV106\250918RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 16 21:08:36 2025
Response via : Initial Calibration



CHROMtools [WG2116472-6,32,,SV106 Degdftpp Lot # 11857]

(6) DDT (T)

10.650min (-0.009) 173.45

response 1057289

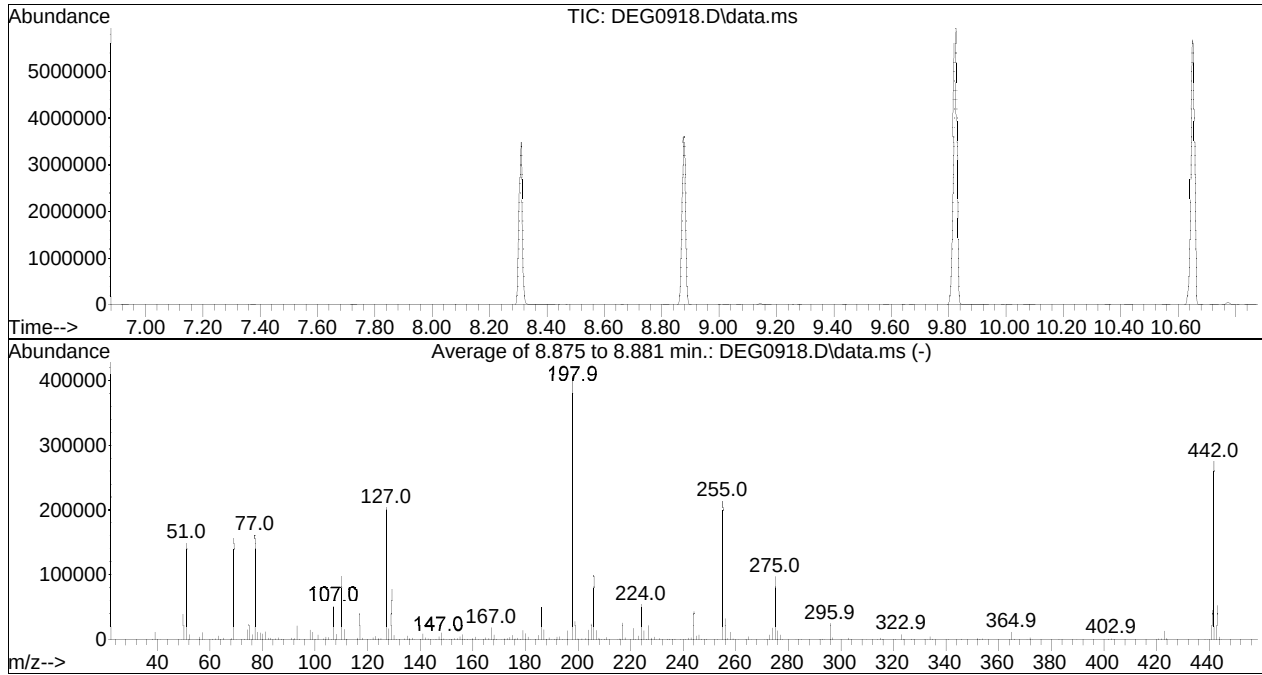
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.58
165.10	44.50	48.88
199.10	14.80	13.92

DFTPP

Data Path : I:\8270\SV106\250918RVT\
 Data File : DEG0918.D
 Acq On : 18 Sep 2025 7:24 am
 Operator : SV106:gmr
 Sample : WG2116472-1,32,,SV106 Degdftpp Lot # 11857
 Misc : WG2116472,,ical22591
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250918RVT\FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Sep 18 08:46:19 2025



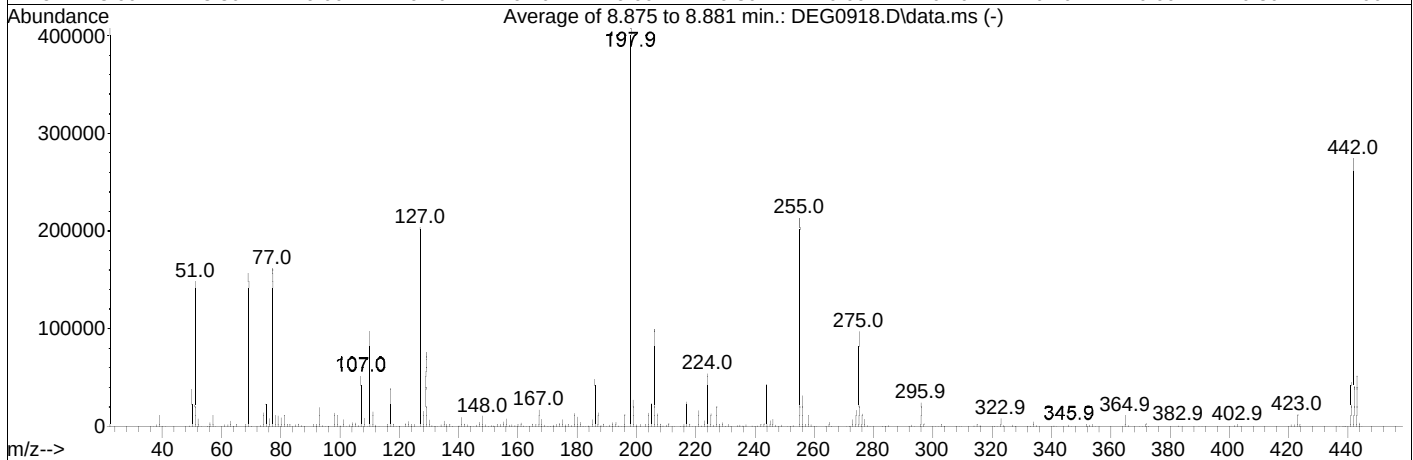
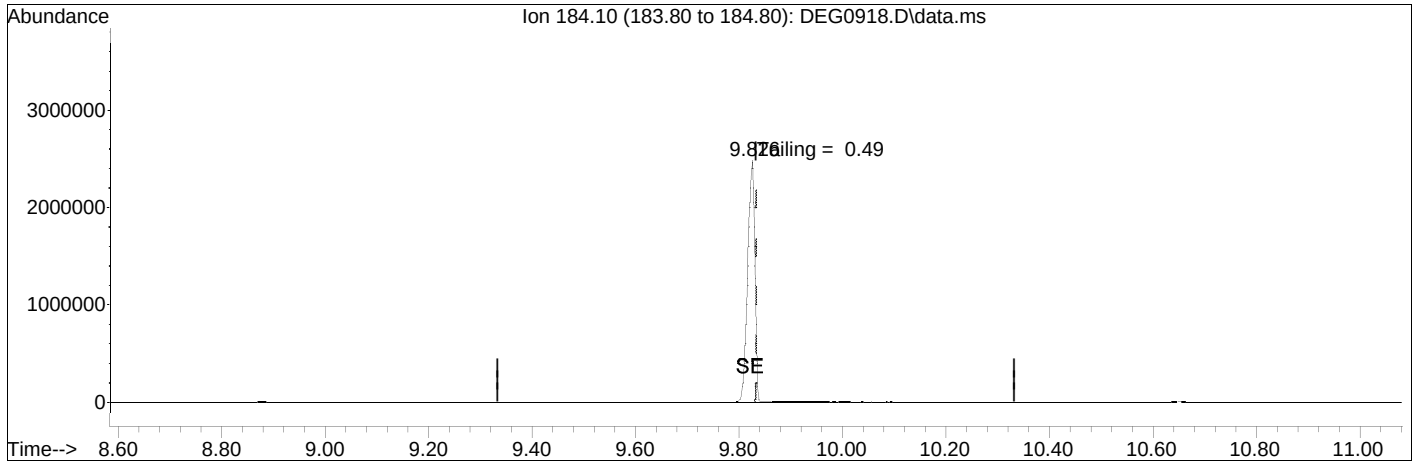
Spectrum Information: Average of 8.875 to 8.881 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.4	148224	PASS
68	69	0.00	2	1.7	2604	PASS
69	69	100	100	100.0	156568	PASS
70	69	0.00	2	0.5	771	PASS
127	198	10	80	50.0	203797	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	407659	PASS
199	198	5	9	6.7	27253	PASS
275	198	10	60	23.8	96955	PASS
365	198	1	100	2.6	10721	PASS
441	442	0.01	24	16.7	45883	PASS
442	198	50	100	67.3	274304	PASS
443	442	15	24	19.1	52504	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250918RVT\
Data File : DEG0918.D
Acq On : 18 Sep 2025 7:24 am
Operator : SV106:jg
Sample : WG2116472-6,32,,SV106 Degdftpp Lot # 11857
Misc : WG2116472,,ical22591
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 18 07:56:14 2025
Quant Method : I:\8270\SV106\250918RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 16 21:08:36 2025
Response via : Initial Calibration



CHROMtools [WG2116472-7,32,,SV106 Degdftpp Lot # 11857]

(3) Benzidine (T)

9.826min (-0.007) 224.88

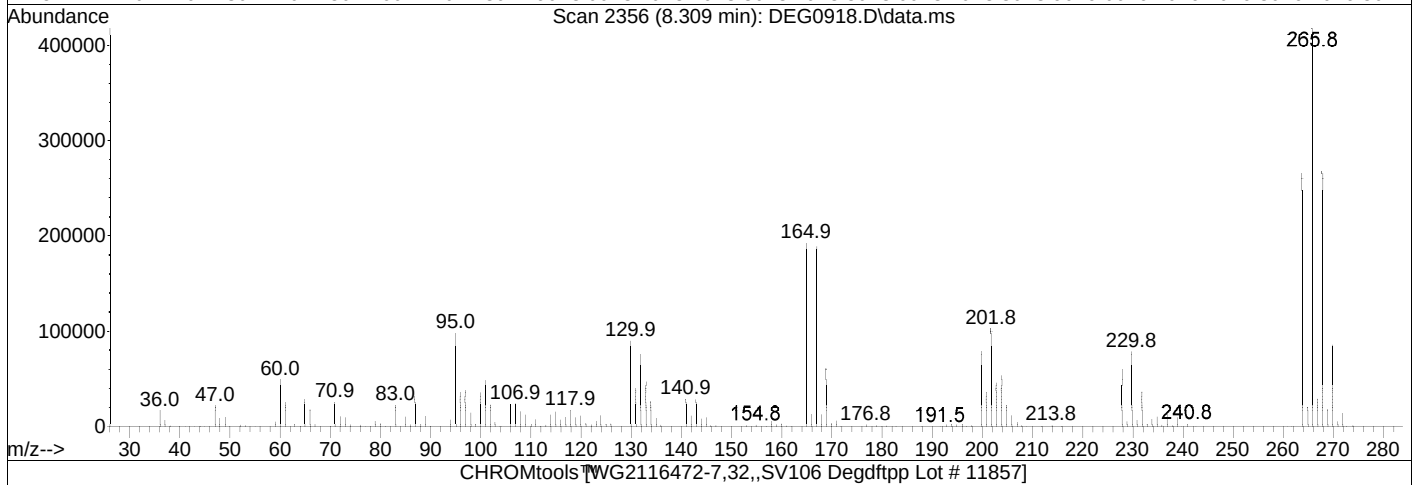
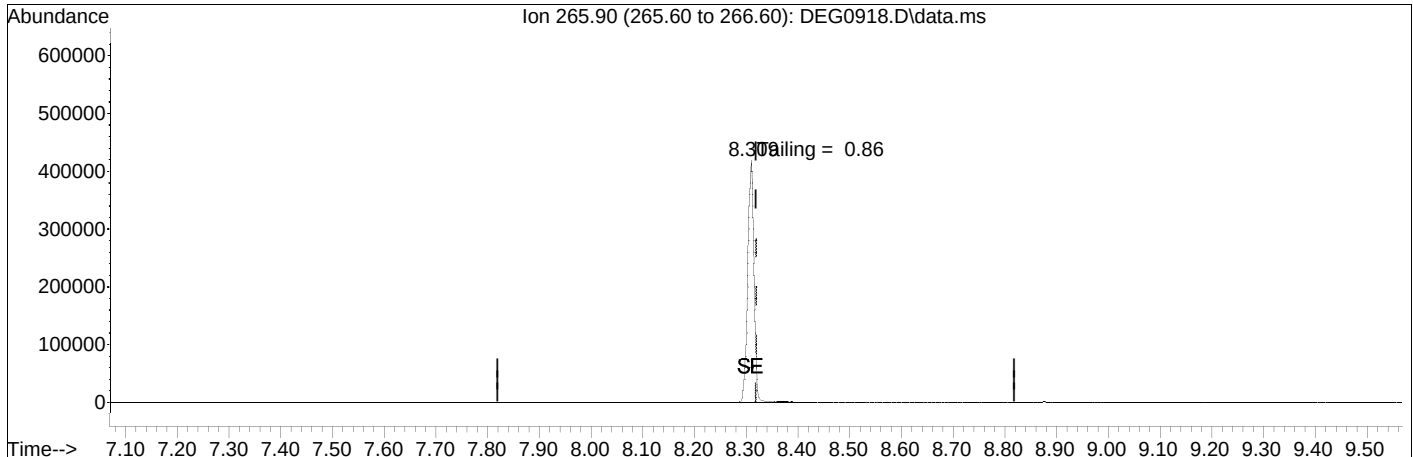
response 2289314

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250918RVT\
Data File : DEG0918.D
Acq On : 18 Sep 2025 7:24 am
Operator : SV106:jg
Sample : WG2116472-7,32,,SV106 Degdftpp Lot # 11857
Misc : WG2116472,,ical22591
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 18 07:56:14 2025
Quant Method : I:\8270\SV106\250918RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 16 21:08:36 2025
Response via : Initial Calibration



(1) Pentachlorophenol (T)

8.309min (-0.010) 159.54

response 335099

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	124	0
n-Nitrosodimethylamine	0.659	0.699	-	-6.1	20	119	0
Pyridine	1.237	0.692	-	44.1*	20	68	0
2-Fluorophenol	1.032	1.016	-	1.6	20	115	0
Aniline	1.692	1.67	-	1.3	20	114	0
2-Chlorophenol	1.228	1.22	-	0.7	20	118	0
Phenol-d6	1.268	1.281	-	-1	20	117	0
Phenol	1.412	1.396	-	1.1	20	118	0
Bis(2-chloroethyl)ether	1.193	1.123	-	5.9	20	118	0
1,3-Dichlorobenzene	1.558	1.416	-	9.1	20	113	0
1,4-Dichlorobenzene	1.592	1.457	-	8.5	20	114	0
1,2-Dichlorobenzene	1.528	1.43	-	6.4	20	117	0
Benzyl alcohol	0.928	0.94	-	-1.3	20	120	0
Bis(2-chloroisopropyl)ethe	1.867	1.858	-	0.5	20	123	0
2-Methylphenol	1.04	1.058	-	-1.7	20	121	0
Hexachloroethane	0.584	0.539	-	7.7	20	114	0
n-Nitrosodi-n-propylamine	0.823	0.804	-	2.3	20	116	0
3-Methylphenol/4-Methylphe	1.102	1.152	-	-4.5	20	122	0
Nitrobenzene-d5	1.172	1.178	-	-0.5	20	121	0
Nitrobenzene	1.19	1.205	-	-1.3	20	124	0
Isophorone	2.158	2.127	-	1.4	20	118	0
2-Nitrophenol	0.494	0.619	-	-25.3*	20	146	0
2,4-Dimethylphenol	1.154	1.216	-	-5.4	20	124	0
Bis(2-chloroethoxy)methane	1.45	1.451	-	-0.1	20	123	0
2,4-Dichlorophenol	1.111	1.175	-	-5.8	20	122	0
1,2,4-Trichlorobenzene	1.448	1.329	-	8.2	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	1.054	0.954	-	9.5	20	119	0
Benzoic Acid	5	4.118	-	17.6	20	105	0
4-Chloroaniline	0.12	0.113	-	5.8	20	119	0
Hexachlorobutadiene	0.231	0.197	-	14.7	20	115	0
p-Chloro-m-cresol	0.256	0.27	-	-5.5	20	129	0
2-Methylnaphthalene	0.632	0.597	-	5.5	20	121	0
1-Methylnaphthalene	0.24	0.223	-	7.1	20	120	0
Hexachlorocyclopentadiene	0.244	0.236	-	3.3	20	125	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	125	0
2,4,5-Trichlorophenol	0.23	0.254	-	-10.4	20	134	0
2-Fluorobiphenyl	0.872	0.8	-	8.3	20	121	0
2-Chloronaphthalene	0.734	0.687	-	6.4	20	123	0
2-Nitroaniline	0.159	0.189	-	-18.9	20	146	0
1,4-Dinitrobenzene	0.077	0.101	-	-31.2*	20	165	0
1,3-Dinitrobenzene	0.093	0.112	-	-20.4*	20	150	0
Dimethyl phthalate	0.769	0.795	-	-3.4	20	130	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.089	-	1	20	126	0
2,6-Dinitrotoluene	0.131	0.168	-	-28.2*	20	146	0
1,2-Dinitrobenzene	0.06	0.078	-	-30*	20	158	0
IS1_Acenaphthene-d10	1	1	-	0	20	136	0
3-Nitroaniline	0.246	0.303	-	-23.2*	20	151	0
Acenaphthene	1.144	1.06	-	7.3	20	131	0
2,4-Dinitrophenol	5	5.306	-	-6.1	20	164	0
Dibenzofuran	1.834	1.712	-	6.7	20	129	0
2,4-Dinitrotoluene	5	5.411	-	-8.2	20	154	0
4-Nitrophenol	0.185	0.225	-	-21.6*	20	153	0
2,3,5,6-Tetrachlorophenol	0.304	0.338	-	-11.2	20	140	0
2,3,4,6-Tetrachlorophenol	0.3	0.338	-	-12.7	20	142	0
Diethyl phthalate	1.28	1.274	-	0.5	20	133	0
Fluorene	1.409	1.368	-	2.9	20	131	0
4-Chlorophenyl phenyl ethe	0.719	0.665	-	7.5	20	130	0
4-Nitroaniline	0.246	0.294	-	-19.5	20	159	0
4,6-Dinitro-o-cresol	5	6.143	-	-22.9*	20	187	0
NDPA/DPA	1.112	1.112	-	0	20	131	0
Azobenzene	1.133	1.146	-	-1.1	20	134	0
2,4,6-Tribromophenol	0.152	0.171	-	-12.5	20	141	0
4-Bromophenyl phenyl ether	0.383	0.354	-	7.6	20	127	0
Hexachlorobenzene	0.399	0.381	-	4.5	20	134	0
Pentachlorophenol	0.216	0.237	-	-9.7	20	146	0
IS1_Phenanthrene-d10	1	1	-	0	20	149	0
Phenanthrene	1.146	1.048	-	8.6	20	139	0
Anthracene	1.122	1.041	-	7.2	20	138	0
Carbazole	0.975	0.984	-	-0.9	20	143	0
Di-n-butylphthalate	1.07	1.044	-	2.4	20	136	0
Fluoranthene	1.217	1.202	-	1.2	20	142	0
Benzidine	5	4.829	-	3.4	20	147	0
Pyrene	1.292	1.283	-	0.7	20	142	0
4-Terphenyl-d14	0.865	0.85	-	1.7	20	143	0
Butyl benzyl phthalate	5	4.759	-	4.8	20	161	0
IS1_Chrysene-d12	1	1	-	0	20	167	0
Benzo(a)anthracene	1.367	1.29	-	5.6	20	159	0
3,3'-Dichlorobenzidine	0.436	0.436	-	0	20	165	0
Chrysene	1.352	1.234	-	8.7	20	158	0
Bis(2-ethylhexyl)phthalate	5	4.147	-	17.1	20	150	0
Di-n-octylphthalate	5	4.228	-	15.4	20	159	0
Benzo(b)fluoranthene	1.185	1.148	-	3.1	20	166	0
Benzo(k)fluoranthene	1.199	1.178	-	1.8	20	163	0
Benzo(a)pyrene	1.101	1.057	-	4	20	162	0
IS1_Perylene-d12	1	1	-	0	20	181	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0916
Sample No : WG2115301-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/16/25 07:02
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.14	-	-2.6	20	175	0
Dibenzo(a,h)anthracene	1.154	1.167	-	-1.1	20	172	0
Benzo(ghi)perylene	1.15	1.159	-	-0.8	20	169	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0916
 Sample No : WG2115301-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:52
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
1,4-Dioxane	0.545	0.496	-	9	20	91	0
n-Decane	1.567	1.423	-	9.2	20	87	0
IS3_Acenaphthene-d10	1	1	-	0	20	95	0
Atrazine	0.33	0.365	-	-10.6	20	103	0
IS3_Phenanthrene-d10	1	1	-	0	20	105	0
n-Octadecane	0.441	0.392	-	11.1	20	90	0
Parathion	5	5.065	-	-1.3	20	121	0
3,3'-Dimethylbenzidine	5	4.241	-	15.2	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90916A
 Sample No : WG2115301-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 08:17
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
Benzaldehyde	0.605	0.676	-	-11.7	20	115	0
Acetophenone	1.796	1.783	-	0.7	20	102	0
m-Toluidine	1.129	1.24	-	-9.8	20	114	0
2-Chloroaniline	1.545	1.593	-	-3.1	20	105	0
IS2_Naphthalene-d8	1	1	-	0	20	106	0
a-Terpineol	0.25	0.259	-	-3.6	20	106	0
3-Chloroaniline	0.117	0.124	-	-6	20	102	0
2,6-Dichlorophenol	0.264	0.308	-	-16.7	20	114	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	115	0
Caprolactam	0.125	0.131	-	-4.8	20	115	0
1,2,4,5-Tetrachlorobenzene	0.415	0.407	-	1.9	20	107	0
Biphenyl	0.948	0.945	-	0.3	20	108	0
IS2_Acenaphthene-d10	1	1	-	0	20	110	0
Dichloran	0.145	0.149	-	-2.8	20	131	0
Pentachloronitrobenzene	0.133	0.159	-	-19.5	20	128	0
IS2_Phenanthrene-d10	1	1	-	0	20	121	0
Diphenamid	0.435	0.444	-	-2.1	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
n-Nitrosodimethylamine	0.66	0.638	-	3.3	20	117	0
Pyridine	1.131	0.712	-	37*	20	74	0
2-Fluorophenol	1.106	1.161	-	-5	20	124	0
Aniline	1.738	1.626	-	6.4	20	109	0
2-Chlorophenol	1.332	1.351	-	-1.4	20	120	0
Phenol-d6	1.318	1.355	-	-2.8	20	123	0
Phenol	1.441	1.371	-	4.9	20	115	0
Bis(2-chloroethyl)ether	1.143	1.093	-	4.4	20	117	0
1,3-Dichlorobenzene	1.598	1.561	-	2.3	20	119	0
1,4-Dichlorobenzene	1.634	1.607	-	1.7	20	121	0
1,2-Dichlorobenzene	1.572	1.532	-	2.5	20	121	0
Benzyl alcohol	0.964	0.925	-	4	20	116	0
Bis(2-chloroisopropyl)ethe	1.867	1.756	-	5.9	20	115	0
2-Methylphenol	1.104	1.097	-	0.6	20	119	0
Hexachloroethane	0.602	0.61	-	-1.3	20	121	0
n-Nitrosodi-n-propylamine	0.815	0.804	-	1.3	20	117	0
3-Methylphenol/4-Methylphe	1.207	1.177	-	2.5	20	118	0
Nitrobenzene-d5	1.226	1.242	-	-1.3	20	121	0
Nitrobenzene	1.26	1.251	-	0.7	20	118	0
Isophorone	2.296	2.198	-	4.3	20	114	0
2-Nitrophenol	0.64	0.694	-	-8.4	20	128	0
2,4-Dimethylphenol	1.271	1.264	-	0.6	20	116	0
Bis(2-chloroethoxy)methane	1.546	1.501	-	2.9	20	118	0
2,4-Dichlorophenol	1.17	1.185	-	-1.3	20	118	0
1,2,4-Trichlorobenzene	1.374	1.358	-	1.2	20	121	0
IS1_Naphthalene-d8	1	1	-	0	20	122	0
Naphthalene	1.082	1.044	-	3.5	20	118	0
Benzoic Acid	5	3.799	-	24*	20	103	0
4-Chloroaniline	0.117	0.109	-	6.8	20	109	0
Hexachlorobutadiene	0.2	0.201	-	-0.5	20	122	0
p-Chloro-m-cresol	0.284	0.276	-	2.8	20	116	0
2-Methylnaphthalene	0.641	0.634	-	1.1	20	122	0
1-Methylnaphthalene	0.227	0.223	-	1.8	20	122	0
Hexachlorocyclopentadiene	0.254	0.256	-	-0.8	20	121	0
2,4,6-Trichlorophenol	0.213	0.22	-	-3.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.251	-	-5	20	121	0
2-Fluorobiphenyl	0.821	0.804	-	2.1	20	121	0
2-Chloronaphthalene	0.727	0.702	-	3.4	20	119	0
2-Nitroaniline	0.206	0.221	-	-7.3	20	120	0
1,4-Dinitrobenzene	0.097	0.098	-	-1	20	118	0
1,3-Dinitrobenzene	0.112	0.114	-	-1.8	20	116	0
Dimethyl phthalate	0.857	0.822	-	4.1	20	115	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.157	-	1.1	20	116	0
2,6-Dinitrotoluene	0.167	0.177	-	-6	20	123	0
1,2-Dinitrobenzene	0.073	0.074	-	-1.4	20	114	0
IS1_Acenaphthene-d10	1	1	-	0	20	125	0
3-Nitroaniline	0.342	0.345	-	-0.9	20	118	0
Acenaphthene	1.136	1.055	-	7.1	20	118	0
2,4-Dinitrophenol	0.166	0.119	-	28.3*	20	95	0
Dibenzofuran	1.844	1.721	-	6.7	20	119	0
2,4-Dinitrotoluene	0.385	0.399	-	-3.6	20	117	0
4-Nitrophenol	0.238	0.248	-	-4.2	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.342	-	-0.6	20	117	0
2,3,4,6-Tetrachlorophenol	0.33	0.342	-	-3.6	20	117	0
Diethyl phthalate	1.516	1.384	-	8.7	20	113	0
Fluorene	1.447	1.31	-	9.5	20	115	0
4-Chlorophenyl phenyl ethe	0.688	0.639	-	7.1	20	117	0
4-Nitroaniline	0.337	0.338	-	-0.3	20	116	0
4,6-Dinitro-o-cresol	0.214	0.199	-	7	20	114	0
NDPA/DPA	1.209	1.153	-	4.6	20	117	0
Azobenzene	1.272	1.187	-	6.7	20	113	0
2,4,6-Tribromophenol	0.194	0.204	-	-5.2	20	128	0
4-Bromophenyl phenyl ether	0.424	0.399	-	5.9	20	121	0
Hexachlorobenzene	0.475	0.451	-	5.1	20	123	0
Pentachlorophenol	0.28	0.239	-	14.6	20	109	0
IS1_Phenanthrene-d10	1	1	-	0	20	126	0
Phenanthrene	1.202	1.076	-	10.5	20	116	0
Anthracene	1.178	1.095	-	7	20	117	0
Carbazole	1.081	1.02	-	5.6	20	115	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	119	0
Fluoranthene	1.296	1.224	-	5.6	20	118	0
Benzidine	0.831	0.838	-	-0.8	20	126	0
Pyrene	1.383	1.319	-	4.6	20	119	0
4-Terphenyl-d14	0.982	0.936	-	4.7	20	123	0
Butyl benzyl phthalate	0.529	0.571	-	-7.9	20	128	0
IS1_Chrysene-d12	1	1	-	0	20	129	0
Benzo(a)anthracene	1.349	1.235	-	8.5	20	121	0
3,3'-Dichlorobenzidine	0.464	0.498	-	-7.3	20	130	0
Chrysene	1.336	1.194	-	10.6	20	120	0
Bis(2-ethylhexyl)phthalate	0.846	0.886	-	-4.7	20	126	0
Di-n-octylphthalate	1.419	1.462	-	-3	20	130	0
Benzo(b)fluoranthene	1.278	1.219	-	4.6	20	126	0
Benzo(k)fluoranthene	1.303	1.236	-	5.1	20	119	0
Benzo(a)pyrene	1.197	1.178	-	1.6	20	124	0
IS1_Perylene-d12	1	1	-	0	20	131	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ABN0917
Sample No : WG2116036-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/17/25 09:51
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.067	-	6.5	20	121	0
Dibenzo(a,h)anthracene	1.181	1.118	-	5.3	20	122	0
Benzo(ghi)perylene	1.164	1.085	-	6.8	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90917
 Sample No : WG2116036-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:13
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
Benzaldehyde	0.645	0.553	-	14.3	20	107	0
Acetophenone	1.905	1.537	-	19.3	20	101	0
m-Toluidine	1.123	1.012	-	9.9	20	103	0
2-Chloroaniline	1.724	1.451	-	15.8	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	122	0
a-Terpineol	0.267	0.217	-	18.7	20	99	0
3-Chloroaniline	0.114	0.097	-	14.9	20	96	0
2,6-Dichlorophenol	0.285	0.255	-	10.5	20	107	0
1-chloro-2-nitrobenzene	0.135	0.119	-	11.9	20	107	0
Caprolactam	0.142	0.119	-	16.2	20	98	0
1,2,4,5-Tetrachlorobenzene	0.373	0.3	-	19.6	20	100	0
Biphenyl	0.931	0.735	-	21.1*	20	99	0
IS2_Acenaphthene-d10	1	1	-	0	20	122	0
Dichloran	0.158	0.129	-	18.4	20	98	0
Pentachloronitrobenzene	0.154	0.133	-	13.6	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	119	0
Diphenamid	0.487	0.403	-	17.2	20	94	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ADP0917
 Sample No : WG2116036-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:34
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
1,4-Dioxane	0.477	0.433	-	9.2	20	118	0
n-Decane	1.449	1.281	-	11.6	20	111	0
IS3_Acenaphthene-d10	1	1	-	0	20	125	0
Atrazine	0.372	0.371	-	0.3	20	123	0
IS3_Phenanthrene-d10	1	1	-	0	20	125	0
n-Octadecane	0.48	0.416	-	13.3	20	106	0
Parathion	5	4.144	-	17.1	20	119	0
3,3'-Dimethylbenzidine	5	4.075	-	18.5	20	101	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	135	0
n-Nitrosodimethylamine	0.594	0.581	-	2.2	20	133	0
Pyridine	5	4.372	-	12.6	20	139	0
2-Fluorophenol	0.881	0.967	-	-9.8	20	145	0
Aniline	1.484	1.494	-	-0.7	20	132	0
2-Chlorophenol	1.075	1.163	-	-8.2	20	146	0
Phenol-d6	1.175	1.279	-	-8.9	20	152	0
Phenol	1.351	1.313	-	2.8	20	131	0
Bis(2-chloroethyl)ether	0.968	0.948	-	2.1	20	137	0
1,3-Dichlorobenzene	1.515	1.415	-	6.6	20	131	0
1,4-Dichlorobenzene	1.532	1.444	-	5.7	20	130	0
1,2-Dichlorobenzene	1.467	1.458	-	0.6	20	136	0
Benzyl alcohol	0.829	0.931	-	-12.3	20	152	0
Bis(2-chloroisopropyl)ethe	1.724	1.349	-	21.8*	20	110	0
2-Methylphenol	0.915	0.985	-	-7.7	20	142	0
Hexachloroethane	0.539	0.504	-	6.5	20	131	0
n-Nitrosodi-n-propylamine	0.797	0.804	-	-0.9	20	139	0
3-Methylphenol/4-Methylphe	1.028	1.089	-	-5.9	20	147	0
Nitrobenzene-d5	1.117	1.136	-	-1.7	20	137	0
Nitrobenzene	1.128	1.171	-	-3.8	20	136	0
Isophorone	2.059	2.106	-	-2.3	20	135	0
2-Nitrophenol	0.53	0.609	-	-14.9	20	162	0
2,4-Dimethylphenol	1.061	1.17	-	-10.3	20	144	0
Bis(2-chloroethoxy)methane	1.369	1.283	-	6.3	20	128	0
2,4-Dichlorophenol	1.189	1.289	-	-8.4	20	150	0
1,2,4-Trichlorobenzene	1.494	1.478	-	1.1	20	134	0
IS1_Naphthalene-d8	1	1	-	0	20	139	0
Naphthalene	0.993	0.985	-	0.8	20	142	0
Benzoic Acid	5	8.053	-	-61.1*	20	283	0
4-Chloroaniline	0.127	0.109	-	14.2	20	129	0
Hexachlorobutadiene	0.27	0.221	-	18.1	20	118	0
p-Chloro-m-cresol	0.263	0.288	-	-9.5	20	154	0
2-Methylnaphthalene	0.656	0.673	-	-2.6	20	145	0
1-Methylnaphthalene	0.245	0.238	-	2.9	20	144	0
Hexachlorocyclopentadiene	0.306	0.291	-	4.9	20	129	0
2,4,6-Trichlorophenol	0.28	0.279	-	0.4	20	139	0
2,4,5-Trichlorophenol	0.31	0.341	-	-10	20	149	0
2-Fluorobiphenyl	0.987	0.947	-	4.1	20	136	0
2-Chloronaphthalene	0.81	0.81	-	0	20	141	0
2-Nitroaniline	0.204	0.233	-	-14.2	20	162	0
1,4-Dinitrobenzene	0.103	0.114	-	-10.7	20	156	0
1,3-Dinitrobenzene	0.117	0.128	-	-9.4	20	148	0
Dimethyl phthalate	1.014	0.999	-	1.5	20	136	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.314	-	-3.8	20	141	0
2,6-Dinitrotoluene	0.199	0.203	-	-2	20	144	0
1,2-Dinitrobenzene	0.074	0.076	-	-2.7	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	138	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	153	0
Acenaphthene	1.035	0.972	-	6.1	20	139	0
2,4-Dinitrophenol	0.158	0.137	-	13.3	20	128	0
Dibenzofuran	1.815	1.719	-	5.3	20	140	0
2,4-Dinitrotoluene	0.369	0.392	-	-6.2	20	145	0
4-Nitrophenol	0.204	0.219	-	-7.4	20	149	0
2,3,5,6-Tetrachlorophenol	0.37	0.42	-	-13.5	20	157	0
2,3,4,6-Tetrachlorophenol	0.387	0.397	-	-2.6	20	146	0
Diethyl phthalate	1.394	1.388	-	0.4	20	140	0
Fluorene	1.408	1.383	-	1.8	20	144	0
4-Chlorophenyl phenyl ethe	0.76	0.694	-	8.7	20	131	0
4-Nitroaniline	0.27	0.308	-	-14.1	20	159	0
4,6-Dinitro-o-cresol	0.236	0.231	-	2.1	20	141	0
NDPA/DPA	1.224	1.243	-	-1.6	20	146	0
Azobenzene	1.155	1.104	-	4.4	20	133	0
2,4,6-Tribromophenol	0.229	0.286	-	-24.9*	20	185	0
4-Bromophenyl phenyl ether	0.488	0.436	-	10.7	20	136	0
Hexachlorobenzene	0.564	0.548	-	2.8	20	143	0
Pentachlorophenol	0.306	0.338	-	-10.5	20	159	0
IS1_Phenanthrene-d10	1	1	-	0	20	140	0
Phenanthrene	1.097	1.023	-	6.7	20	140	0
Anthracene	1.058	1.024	-	3.2	20	140	0
Carbazole	0.981	0.972	-	0.9	20	143	0
Di-n-butylphthalate	1.04	1.069	-	-2.8	20	141	0
Fluoranthene	1.319	1.27	-	3.7	20	138	0
Benzidine	0.744	0.863	-	-16	20	164	0
Pyrene	1.411	1.339	-	5.1	20	135	0
4-Terphenyl-d14	1.035	0.972	-	6.1	20	133	0
Butyl benzyl phthalate	0.461	0.484	-	-5	20	152	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.167	-	4	20	129	0
3,3'-Dichlorobenzidine	0.438	0.518	-	-18.3	20	149	0
Chrysene	1.234	1.188	-	3.7	20	134	0
Bis(2-ethylhexyl)phthalate	0.579	0.7	-	-20.9*	20	141	0
Di-n-octylphthalate	1.024	1.181	-	-15.3	20	145	0
Benzo(b)fluoranthene	1.227	1.307	-	-6.5	20	142	0
Benzo(k)fluoranthene	1.227	1.307	-	-6.5	20	138	0
Benzo(a)pyrene	1.119	1.28	-	-14.4	20	147	0
IS1_Perylene-d12	1	1	-	0	20	139	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Calibration Date : 09/17/25 10:42
Lab File ID : ABN0917	Init. Calib. Date(s) : 08/20/25 08/20/25
Sample No : WG2116041-3	Init. Calib. Times : 12:47 23:44
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.144	-	-2	20	144	0
Dibenzo(a,h)anthracene	1.132	1.16	-	-2.5	20	145	0
Benzo(ghi)perylene	1.145	1.14	-	0.4	20	143	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90917
 Sample No : WG2116041-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 11:05
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	133	0
Benzaldehyde	0.534	0.502	-	6	20	136	0
Acetophenone	1.663	1.348	-	18.9	20	118	0
m-Toluidine	0.957	0.942	-	1.6	20	131	0
2-Chloroaniline	1.447	1.328	-	8.2	20	126	0
IS2_Naphthalene-d8	1	1	-	0	20	141	0
a-Terpineol	0.245	0.191	-	22*	20	116	0
3-Chloroaniline	0.122	0.099	-	18.9	20	121	0
2,6-Dichlorophenol	0.33	0.301	-	8.8	20	134	0
1-chloro-2-nitrobenzene	0.135	0.114	-	15.6	20	125	0
Caprolactam	0.128	0.101	-	21.1*	20	118	0
1,2,4,5-Tetrachlorobenzene	0.495	0.377	-	23.8*	20	115	0
Biphenyl	1.02	0.84	-	17.6	20	124	0
IS2_Acenaphthene-d10	1	1	-	0	20	142	0
Dichloran	0.199	0.145	-	27.1*	20	118	0
Pentachloronitrobenzene	0.197	0.151	-	23.4*	20	117	0
IS2_Phenanthrene-d10	1	1	-	0	20	144	0
Diphenamid	0.486	0.4	-	17.7	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Calibration Date : 09/17/25 11:27
Lab File ID : ADP0917	Init. Calib. Date(s) : 08/20/25 08/20/25
Sample No : WG2116041-5	Init. Calib. Times : 12:47 23:44
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	134	0
1,4-Dioxane	0.411	0.375	-	8.8	20	125	0
n-Decane	1.27	0.912	-	28.2*	20	102	0
IS3_Acenaphthene-d10	1	1	-	0	20	146	0
Atrazine	0.486	0.418	-	14	20	132	0
IS3_Phenanthrene-d10	1	1	-	0	20	148	0
n-Octadecane	0.368	0.268	-	27.2*	20	114	0
Parathion	5	4.91	-	1.8	20	144	0
3,3'-Dimethylbenzidine	5	3.277	-	34.5*	20	99	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
n-Nitrosodimethylamine	0.66	0.8	-	-21.2*	20	133	0
Pyridine	1.131	0.872	-	22.9*	20	82	0
2-Fluorophenol	1.106	1.244	-	-12.5	20	120	0
Aniline	1.738	1.633	-	6	20	99	0
2-Chlorophenol	1.332	1.386	-	-4.1	20	111	0
Phenol-d6	1.318	1.377	-	-4.5	20	113	0
Phenol	1.441	1.406	-	2.4	20	107	0
Bis(2-chloroethyl)ether	1.143	1.104	-	3.4	20	106	0
1,3-Dichlorobenzene	1.598	1.574	-	1.5	20	108	0
1,4-Dichlorobenzene	1.634	1.577	-	3.5	20	107	0
1,2-Dichlorobenzene	1.572	1.527	-	2.9	20	108	0
Benzyl alcohol	0.964	0.913	-	5.3	20	103	0
Bis(2-chloroisopropyl)ethe	1.867	1.527	-	18.2	20	90	0
2-Methylphenol	1.104	1.083	-	1.9	20	106	0
Hexachloroethane	0.602	0.581	-	3.5	20	104	0
n-Nitrosodi-n-propylamine	0.815	0.734	-	9.9	20	96	0
3-Methylphenol/4-Methylphe	1.207	1.129	-	6.5	20	102	0
Nitrobenzene-d5	1.226	1.172	-	4.4	20	103	0
Nitrobenzene	1.26	1.161	-	7.9	20	99	0
Isophorone	2.296	2.205	-	4	20	104	0
2-Nitrophenol	0.64	0.742	-	-15.9	20	124	0
2,4-Dimethylphenol	1.271	1.332	-	-4.8	20	110	0
Bis(2-chloroethoxy)methane	1.546	1.517	-	1.9	20	108	0
2,4-Dichlorophenol	1.17	1.274	-	-8.9	20	115	0
1,2,4-Trichlorobenzene	1.374	1.414	-	-2.9	20	114	0
IS1_Naphthalene-d8	1	1	-	0	20	114	0
Naphthalene	1.082	1.021	-	5.6	20	108	0
Benzoic Acid	5	3.814	-	23.7*	20	97	0
4-Chloroaniline	0.117	0.105	-	10.3	20	97	0
Hexachlorobutadiene	0.2	0.205	-	-2.5	20	116	0
p-Chloro-m-cresol	0.284	0.292	-	-2.8	20	115	0
2-Methylnaphthalene	0.641	0.661	-	-3.1	20	119	0
1-Methylnaphthalene	0.227	0.228	-	-0.4	20	116	0
Hexachlorocyclopentadiene	0.254	0.278	-	-9.4	20	123	0
2,4,6-Trichlorophenol	0.213	0.237	-	-11.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.273	-	-14.2	20	123	0
2-Fluorobiphenyl	0.821	0.835	-	-1.7	20	117	0
2-Chloronaphthalene	0.727	0.738	-	-1.5	20	116	0
2-Nitroaniline	0.206	0.234	-	-13.6	20	119	0
1,4-Dinitrobenzene	0.097	0.107	-	-10.3	20	120	0
1,3-Dinitrobenzene	0.112	0.125	-	-11.6	20	119	0
Dimethyl phthalate	0.857	0.884	-	-3.2	20	116	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.213	-	-3.7	20	114	0
2,6-Dinitrotoluene	0.167	0.185	-	-10.8	20	120	0
1,2-Dinitrobenzene	0.073	0.081	-	-11	20	117	0
IS1_Acenaphthene-d10	1	1	-	0	20	121	0
3-Nitroaniline	0.342	0.341	-	0.3	20	114	0
Acenaphthene	1.136	1.069	-	5.9	20	116	0
2,4-Dinitrophenol	0.166	0.15	-	9.6	20	115	0
Dibenzofuran	1.844	1.734	-	6	20	116	0
2,4-Dinitrotoluene	0.385	0.411	-	-6.8	20	117	0
4-Nitrophenol	0.238	0.256	-	-7.6	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.362	-	-6.5	20	120	0
2,3,4,6-Tetrachlorophenol	0.33	0.35	-	-6.1	20	116	0
Diethyl phthalate	1.516	1.437	-	5.2	20	114	0
Fluorene	1.447	1.338	-	7.5	20	114	0
4-Chlorophenyl phenyl ethe	0.688	0.66	-	4.1	20	117	0
4-Nitroaniline	0.337	0.34	-	-0.9	20	113	0
4,6-Dinitro-o-cresol	0.214	0.234	-	-9.3	20	130	0
NDPA/DPA	1.209	1.152	-	4.7	20	113	0
Azobenzene	1.272	1.181	-	7.2	20	109	0
2,4,6-Tribromophenol	0.194	0.212	-	-9.3	20	129	0
4-Bromophenyl phenyl ether	0.424	0.4	-	5.7	20	118	0
Hexachlorobenzene	0.475	0.454	-	4.4	20	120	0
Pentachlorophenol	0.28	0.249	-	11.1	20	110	0
IS1_Phenanthrene-d10	1	1	-	0	20	124	0
Phenanthrene	1.202	1.074	-	10.6	20	114	0
Anthracene	1.178	1.096	-	7	20	115	0
Carbazole	1.081	1.014	-	6.2	20	112	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	117	0
Fluoranthene	1.296	1.221	-	5.8	20	116	0
Benzidine	0.831	0.817	-	1.7	20	121	0
Pyrene	1.383	1.316	-	4.8	20	117	0
4-Terphenyl-d14	0.982	0.938	-	4.5	20	121	0
Butyl benzyl phthalate	0.529	0.561	-	-6	20	123	0
IS1_Chrysene-d12	1	1	-	0	20	125	0
Benzo(a)anthracene	1.349	1.25	-	7.3	20	119	0
3,3'-Dichlorobenzidine	0.464	0.508	-	-9.5	20	129	0
Chrysene	1.336	1.2	-	10.2	20	117	0
Bis(2-ethylhexyl)phthalate	0.846	0.865	-	-2.2	20	120	0
Di-n-octylphthalate	1.419	1.473	-	-3.8	20	127	0
Benzo(b)fluoranthene	1.278	1.279	-	-0.1	20	129	0
Benzo(k)fluoranthene	1.303	1.202	-	7.8	20	113	0
Benzo(a)pyrene	1.197	1.189	-	0.7	20	121	0
IS1_Perylene-d12	1	1	-	0	20	130	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ABN0918
Sample No : WG2116472-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/18/25 07:46
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.09	-	4.5	20	123	0
Dibenzo(a,h)anthracene	1.181	1.14	-	3.5	20	124	0
Benzo(ghi)perylene	1.164	1.093	-	6.1	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90918
 Sample No : WG2116472-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 08:07
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	119	0
Benzaldehyde	0.645	0.577	-	10.5	20	109	0
Acetophenone	1.905	1.506	-	20.9*	20	96	0
m-Toluidine	1.123	1.023	-	8.9	20	101	0
2-Chloroaniline	1.724	1.445	-	16.2	20	98	0
IS2_Naphthalene-d8	1	1	-	0	20	120	0
a-Terpineol	0.267	0.21	-	21.3*	20	94	0
3-Chloroaniline	0.114	0.098	-	14	20	95	0
2,6-Dichlorophenol	0.285	0.252	-	11.6	20	104	0
1-chloro-2-nitrobenzene	0.135	0.121	-	10.4	20	106	0
Caprolactam	0.142	0.115	-	19	20	93	0
1,2,4,5-Tetrachlorobenzene	0.373	0.315	-	15.5	20	104	0
Biphenyl	0.931	0.74	-	20.5*	20	98	0
IS2_Acenaphthene-d10	1	1	-	0	20	121	0
Dichloran	0.158	0.147	-	7	20	111	0
Pentachloronitrobenzene	0.154	0.147	-	4.5	20	109	0
IS2_Phenanthrene-d10	1	1	-	0	20	122	0
Diphenamid	0.487	0.42	-	13.8	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ADP0918
 Sample No : WG2116472-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 08:29
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	126	0
1,4-Dioxane	0.477	0.416	-	12.8	20	116	0
n-Decane	1.449	1.28	-	11.7	20	113	0
IS3_Acenaphthene-d10	1	1	-	0	20	128	0
Atrazine	0.372	0.384	-	-3.2	20	131	0
IS3_Phenanthrene-d10	1	1	-	0	20	130	0
n-Octadecane	0.48	0.426	-	11.2	20	113	0
Parathion	5	4.37	-	12.6	20	132	0
3,3'-Dimethylbenzidine	5	3.904	-	21.9*	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
n-Nitrosodimethylamine	0.792	0.687	-	13.3	20	83	0
Pyridine	1.349	0.723	-	46.4*	20	55	0
2-Fluorophenol	1.105	1.046	-	5.3	20	89	0
Aniline	5	3.882	-	22.4*	20	83	0
2-Chlorophenol	1.287	1.18	-	8.3	20	85	0
Phenol-d6	1.428	1.281	-	10.3	20	83	0
Phenol	1.581	1.444	-	8.7	20	87	0
Bis(2-chloroethyl)ether	1.319	1.125	-	14.7	20	84	0
1,3-Dichlorobenzene	1.573	1.402	-	10.9	20	88	0
1,4-Dichlorobenzene	1.611	1.427	-	11.4	20	87	0
1,2-Dichlorobenzene	1.557	1.381	-	11.3	20	87	0
Benzyl alcohol	1.122	0.955	-	14.9	20	82	0
Bis(2-chloroisopropyl)ethe	2.148	1.727	-	19.6	20	78	0
2-Methylphenol	1.155	1.052	-	8.9	20	85	0
Hexachloroethane	0.596	0.511	-	14.3	20	84	0
n-Nitrosodi-n-propylamine	1.032	0.807	-	21.8*	20	75	0
3-Methylphenol/4-Methylphe	1.27	1.141	-	10.2	20	86	0
Nitrobenzene-d5	1.354	1.239	-	8.5	20	86	0
Nitrobenzene	1.405	1.24	-	11.7	20	84	0
Isophorone	2.849	2.221	-	22*	20	73	0
2-Nitrophenol	5	4.382	-	12.4	20	100	0
2,4-Dimethylphenol	1.51	1.236	-	18.1	20	80	0
Bis(2-chloroethoxy)methane	1.807	1.522	-	15.8	20	80	0
2,4-Dichlorophenol	1.335	1.192	-	10.7	20	86	0
1,2,4-Trichlorobenzene	1.539	1.35	-	12.3	20	87	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.063	0.98	-	7.8	20	85	0
Benzoic Acid	5	3.085	-	38.3*	20	48	0
4-Chloroaniline	0.144	0.127	-	11.8	20	79	0
Hexachlorobutadiene	0.253	0.232	-	8.3	20	85	0
p-Chloro-m-cresol	0.329	0.283	-	14	20	76	0
2-Methylnaphthalene	0.674	0.628	-	6.8	20	85	0
1-Methylnaphthalene	0.269	0.228	-	15.2	20	79	0
Hexachlorocyclopentadiene	5	4.52	-	9.6	20	90	0
2,4,6-Trichlorophenol	5	4.244	-	15.1	20	86	0
2,4,5-Trichlorophenol	5	4.237	-	15.3	20	80	0
2-Fluorobiphenyl	0.927	0.839	-	9.5	20	80	0
2-Chloronaphthalene	0.786	0.715	-	9	20	82	0
2-Nitroaniline	5	4.043	-	19.1	20	85	0
1,4-Dinitrobenzene	0.128	0.106	-	17.2	20	85	0
1,3-Dinitrobenzene	0.145	0.125	-	13.8	20	89	0
Dimethyl phthalate	0.996	0.9	-	9.6	20	78	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.282	1.189	-	7.3	20	79	0
2,6-Dinitrotoluene	5	4.107	-	17.9	20	82	0
1,2-Dinitrobenzene	0.094	0.084	-	10.6	20	90	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	5	4.254	-	14.9	20	80	0
Acenaphthene	1.102	1.024	-	7.1	20	81	0
2,4-Dinitrophenol	5	3.852	-	23*	20	72	0
Dibenzofuran	1.833	1.733	-	5.5	20	80	0
2,4-Dinitrotoluene	5	4.624	-	7.5	20	88	0
4-Nitrophenol	5	4.252	-	15	20	76	0
2,3,5,6-Tetrachlorophenol	5	4.361	-	12.8	20	82	0
2,3,4,6-Tetrachlorophenol	5	4.288	-	14.2	20	78	0
Diethyl phthalate	1.565	1.414	-	9.6	20	75	0
Fluorene	1.489	1.373	-	7.8	20	78	0
4-Chlorophenyl phenyl ethe	0.783	0.711	-	9.2	20	80	0
4-Nitroaniline	5	4.242	-	15.2	20	78	0
4,6-Dinitro-o-cresol	5	4.413	-	11.7	20	85	0
NDPA/DPA	1.246	1.19	-	4.5	20	80	0
Azobenzene	1.371	1.235	-	9.9	20	72	0
2,4,6-Tribromophenol	0.254	0.244	-	3.9	20	83	0
4-Bromophenyl phenyl ether	0.512	0.46	-	10.2	20	77	0
Hexachlorobenzene	0.607	0.541	-	10.9	20	79	0
Pentachlorophenol	5	4.673	-	6.5	20	91	0
IS1_Phenanthrene-d10	1	1	-	0	20	92	0
Phenanthrene	1.099	1.039	-	5.5	20	80	0
Anthracene	1.091	1.061	-	2.7	20	80	0
Carbazole	0.993	0.963	-	3	20	78	0
Di-n-butylphthalate	1.164	1.109	-	4.7	20	75	0
Fluoranthene	1.329	1.263	-	5	20	77	0
Benzidine	5	4.422	-	11.6	20	77	0
Pyrene	1.367	1.336	-	2.3	20	78	0
4-Terphenyl-d14	1.068	1.018	-	4.7	20	79	0
Butyl benzyl phthalate	5	4.323	-	13.5	20	80	0
IS1_Chrysene-d12	1	1	-	0	20	93	0
Benzo(a)anthracene	1.308	1.21	-	7.5	20	79	0
3,3'-Dichlorobenzidine	0.473	0.447	-	5.5	20	75	0
Chrysene	1.216	1.17	-	3.8	20	80	0
Bis(2-ethylhexyl)phthalate	5	4.21	-	15.8	20	76	0
Di-n-octylphthalate	5	3.913	-	21.7*	20	76	0
Benzo(b)fluoranthene	1.283	1.311	-	-2.2	20	88	0
Benzo(k)fluoranthene	1.251	1.105	-	11.7	20	70	0
Benzo(a)pyrene	1.188	1.116	-	6.1	20	77	0
IS1_Perylene-d12	1	1	-	0	20	93	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV112
Lab File ID : ABN0928
Sample No : WG2120745-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 17:46
Init. Calib. Date(s) : 08/17/25 08/18/25
Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.105	1.13	-	-2.3	20	84	0
Dibenzo(a,h)anthracene	1.064	1.082	-	-1.7	20	82	0
Benzo(ghi)perylene	1.105	1.085	-	1.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : AP90928
 Sample No : WG2120745-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:09
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
Benzaldehyde	0.597	0.984	-	-64.8*	20	163	0
Acetophenone	1.98	1.731	-	12.6	20	86	0
m-Toluidine	1.191	1.473	-	-23.7*	20	115	0
2-Chloroaniline	1.688	1.55	-	8.2	20	88	0
IS2_Naphthalene-d8	1	1	-	0	20	89	0
a-Terpineol	0.298	0.305	-	-2.3	20	94	0
3-Chloroaniline	0.138	0.151	-	-9.4	20	99	0
2,6-Dichlorophenol	0.282	0.319	-	-13.1	20	99	0
1-chloro-2-nitrobenzene	0.137	0.141	-	-2.9	20	93	0
Caprolactam	0.177	0.153	-	13.6	20	79	0
1,2,4,5-Tetrachlorobenzene	0.443	0.425	-	4.1	20	89	0
Biphenyl	0.978	0.915	-	6.4	20	87	0
IS2_Acenaphthene-d10	1	1	-	0	20	86	0
Dichloran	0.179	0.192	-	-7.3	20	99	0
Pentachloronitrobenzene	0.205	0.208	-	-1.5	20	92	0
IS2_Phenanthrene-d10	1	1	-	0	20	86	0
Diphenamid	0.494	0.478	-	3.2	20	85	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ADP0928
 Sample No : WG2120745-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:31
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	105	0
1,4-Dioxane	0.546	0.465	-	14.8	20	97	0
n-Decane	1.602	1.494	-	6.7	20	99	0
IS3_Acenaphthene-d10	1	1	-	0	20	88	0
Atrazine	0.463	0.429	-	7.3	20	80	0
IS3_Phenanthrene-d10	1	1	-	0	20	84	0
n-Octadecane	0.496	0.435	-	12.3	20	74	0
Parathion	0.106	0.091	-	14.2	20	77	0
3,3'-Dimethylbenzidine	0.737	0.592	-	19.7	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	128	0
n-Nitrosodimethylamine	0.594	0.512	-	13.8	20	111	0
Pyridine	5	3.261	-	34.8*	20	97	0
2-Fluorophenol	0.881	0.827	-	6.1	20	118	0
Aniline	1.484	1.336	-	10	20	112	0
2-Chlorophenol	1.075	1.088	-	-1.2	20	129	0
Phenol-d6	1.175	1.084	-	7.7	20	122	0
Phenol	1.351	1.181	-	12.6	20	112	0
Bis(2-chloroethyl)ether	0.968	0.811	-	16.2	20	111	0
1,3-Dichlorobenzene	1.515	1.373	-	9.4	20	120	0
1,4-Dichlorobenzene	1.532	1.408	-	8.1	20	120	0
1,2-Dichlorobenzene	1.467	1.396	-	4.8	20	123	0
Benzyl alcohol	0.829	0.838	-	-1.1	20	130	0
Bis(2-chloroisopropyl)ethe	1.724	1.05	-	39.1*	20	81	0
2-Methylphenol	0.915	0.908	-	0.8	20	125	0
Hexachloroethane	0.539	0.502	-	6.9	20	124	0
n-Nitrosodi-n-propylamine	0.797	0.735	-	7.8	20	120	0
3-Methylphenol/4-Methylphe	1.028	1.003	-	2.4	20	129	0
Nitrobenzene-d5	1.117	1.094	-	2.1	20	125	0
Nitrobenzene	1.128	1.053	-	6.6	20	116	0
Isophorone	2.059	1.916	-	6.9	20	117	0
2-Nitrophenol	0.53	0.633	-	-19.4	20	160	0
2,4-Dimethylphenol	1.061	1.136	-	-7.1	20	133	0
Bis(2-chloroethoxy)methane	1.369	1.153	-	15.8	20	110	0
2,4-Dichlorophenol	1.189	1.272	-	-7	20	141	0
1,2,4-Trichlorobenzene	1.494	1.504	-	-0.7	20	130	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	0.993	0.934	-	5.9	20	125	0
Benzoic Acid	5	5.504	-	-10.1	20	170	0
4-Chloroaniline	0.127	0.103	-	18.9	20	113	0
Hexachlorobutadiene	0.27	0.246	-	8.9	20	122	0
p-Chloro-m-cresol	0.263	0.267	-	-1.5	20	133	0
2-Methylnaphthalene	0.656	0.659	-	-0.5	20	132	0
1-Methylnaphthalene	0.245	0.24	-	2	20	135	0
Hexachlorocyclopentadiene	0.306	0.327	-	-6.9	20	135	0
2,4,6-Trichlorophenol	0.28	0.302	-	-7.9	20	140	0
2,4,5-Trichlorophenol	0.31	0.333	-	-7.4	20	136	0
2-Fluorobiphenyl	0.987	0.943	-	4.5	20	126	0
2-Chloronaphthalene	0.81	0.817	-	-0.9	20	132	0
2-Nitroaniline	0.204	0.226	-	-10.8	20	146	0
1,4-Dinitrobenzene	0.103	0.119	-	-15.5	20	151	0
1,3-Dinitrobenzene	0.117	0.135	-	-15.4	20	145	0
Dimethyl phthalate	1.014	1.016	-	-0.2	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.291	-	-2	20	129	0
2,6-Dinitrotoluene	0.199	0.21	-	-5.5	20	138	0
1,2-Dinitrobenzene	0.074	0.082	-	-10.8	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	128	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	142	0
Acenaphthene	1.035	0.964	-	6.9	20	128	0
2,4-Dinitrophenol	0.158	0.172	-	-8.9	20	149	0
Dibenzofuran	1.815	1.71	-	5.8	20	128	0
2,4-Dinitrotoluene	0.369	0.418	-	-13.3	20	143	0
4-Nitrophenol	0.204	0.244	-	-19.6	20	154	0
2,3,5,6-Tetrachlorophenol	0.37	0.41	-	-10.8	20	142	0
2,3,4,6-Tetrachlorophenol	0.387	0.406	-	-4.9	20	138	0
Diethyl phthalate	1.394	1.394	-	0	20	130	0
Fluorene	1.408	1.398	-	0.7	20	134	0
4-Chlorophenyl phenyl ethe	0.76	0.71	-	6.6	20	124	0
4-Nitroaniline	0.27	0.307	-	-13.7	20	147	0
4,6-Dinitro-o-cresol	0.236	0.27	-	-14.4	20	152	0
NDPA/DPA	1.224	1.207	-	1.4	20	131	0
Azobenzene	1.155	1.03	-	10.8	20	115	0
2,4,6-Tribromophenol	0.229	0.302	-	-31.9*	20	181	0
4-Bromophenyl phenyl ether	0.488	0.457	-	6.4	20	132	0
Hexachlorobenzene	0.564	0.586	-	-3.9	20	142	0
Pentachlorophenol	0.306	0.362	-	-18.3	20	158	0
IS1_Phenanthrene-d10	1	1	-	0	20	132	0
Phenanthrene	1.097	1.005	-	8.4	20	130	0
Anthracene	1.058	1.031	-	2.6	20	133	0
Carbazole	0.981	0.962	-	1.9	20	134	0
Di-n-butylphthalate	1.04	1.072	-	-3.1	20	133	0
Fluoranthene	1.319	1.266	-	4	20	130	0
Benzidine	0.744	0.76	-	-2.2	20	136	0
Pyrene	1.411	1.344	-	4.7	20	128	0
4-Terphenyl-d14	1.035	1.012	-	2.2	20	131	0
Butyl benzyl phthalate	0.461	0.502	-	-8.9	20	149	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.184	-	2.6	20	130	0
3,3'-Dichlorobenzidine	0.438	0.477	-	-8.9	20	136	0
Chrysene	1.234	1.156	-	6.3	20	129	0
Bis(2-ethylhexyl)phthalate	0.579	0.683	-	-18	20	137	0
Di-n-octylphthalate	1.024	1.168	-	-14.1	20	142	0
Benzo(b)fluoranthene	1.227	1.318	-	-7.4	20	143	0
Benzo(k)fluoranthene	1.227	1.282	-	-4.5	20	135	0
Benzo(a)pyrene	1.119	1.198	-	-7.1	20	136	0
IS1_Perylene-d12	1	1	-	0	20	140	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.105	-	1.5	20	141	0
Dibenzo(a,h)anthracene	1.132	1.115	-	1.5	20	141	0
Benzo(ghi)perylene	1.145	1.159	-	-1.2	20	147	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90928A
 Sample No : WG2120752-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:55
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	136	0
Benzaldehyde	0.534	0.818	-	-53.2*	20	227	0
Acetophenone	1.663	1.562	-	6.1	20	140	0
m-Toluidine	0.957	1.326	-	-38.6*	20	188	0
2-Chloroaniline	1.447	1.49	-	-3	20	144	0
IS2_Naphthalene-d8	1	1	-	0	20	145	0
a-Terpineol	0.245	0.203	-	17.1	20	128	0
3-Chloroaniline	0.122	0.119	-	2.5	20	149	0
2,6-Dichlorophenol	0.33	0.359	-	-8.8	20	165	0
1-chloro-2-nitrobenzene	0.135	0.134	-	0.7	20	151	0
Caprolactam	0.128	0.102	-	20.3*	20	123	0
1,2,4,5-Tetrachlorobenzene	0.495	0.46	-	7.1	20	145	0
Biphenyl	1.02	0.971	-	4.8	20	148	0
IS2_Acenaphthene-d10	1	1	-	0	20	143	0
Dichloran	0.199	0.2	-	-0.5	20	163	0
Pentachloronitrobenzene	0.197	0.211	-	-7.1	20	164	0
IS2_Phenanthrene-d10	1	1	-	0	20	143	0
Diphenamid	0.486	0.5	-	-2.9	20	161	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
n-Nitrosodimethylamine	0.659	0.692	-	-5	20	89	0
Pyridine	1.237	0.667	-	46.1*	20	49	0
2-Fluorophenol	1.032	1.038	-	-0.6	20	89	0
Aniline	1.692	1.612	-	4.7	20	83	0
2-Chlorophenol	1.228	1.177	-	4.2	20	86	0
Phenol-d6	1.268	1.241	-	2.1	20	85	0
Phenol	1.412	1.424	-	-0.8	20	91	0
Bis(2-chloroethyl)ether	1.193	1.114	-	6.6	20	88	0
1,3-Dichlorobenzene	1.558	1.413	-	9.3	20	85	0
1,4-Dichlorobenzene	1.592	1.461	-	8.2	20	86	0
1,2-Dichlorobenzene	1.528	1.395	-	8.7	20	86	0
Benzyl alcohol	0.928	0.891	-	4	20	86	0
Bis(2-chloroisopropyl)ethe	1.867	1.818	-	2.6	20	91	0
2-Methylphenol	1.04	1.031	-	0.9	20	89	0
Hexachloroethane	0.584	0.514	-	12	20	82	0
n-Nitrosodi-n-propylamine	0.823	0.783	-	4.9	20	85	0
3-Methylphenol/4-Methylphe	1.102	1.115	-	-1.2	20	89	0
Nitrobenzene-d5	1.172	1.194	-	-1.9	20	92	0
Nitrobenzene	1.19	1.207	-	-1.4	20	93	0
Isophorone	2.158	2.11	-	2.2	20	88	0
2-Nitrophenol	0.494	0.593	-	-20	20	106	0
2,4-Dimethylphenol	1.154	1.198	-	-3.8	20	92	0
Bis(2-chloroethoxy)methane	1.45	1.415	-	2.4	20	90	0
2,4-Dichlorophenol	1.111	1.097	-	1.3	20	86	0
1,2,4-Trichlorobenzene	1.448	1.246	-	14	20	82	0
IS1_Naphthalene-d8	1	1	-	0	20	93	0
Naphthalene	1.054	0.971	-	7.9	20	87	0
Benzoic Acid	5	4.41	-	11.8	20	83	0
4-Chloroaniline	0.12	0.122	-	-1.7	20	92	0
Hexachlorobutadiene	0.231	0.195	-	15.6	20	82	0
p-Chloro-m-cresol	0.256	0.269	-	-5.1	20	93	0
2-Methylnaphthalene	0.632	0.606	-	4.1	20	89	0
1-Methylnaphthalene	0.24	0.208	-	13.3	20	81	0
Hexachlorocyclopentadiene	0.244	0.244	-	0	20	93	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	90	0
2,4,5-Trichlorophenol	0.23	0.247	-	-7.4	20	94	0
2-Fluorobiphenyl	0.872	0.779	-	10.7	20	85	0
2-Chloronaphthalene	0.734	0.659	-	10.2	20	85	0
2-Nitroaniline	0.159	0.181	-	-13.8	20	101	0
1,4-Dinitrobenzene	0.077	0.095	-	-23.4*	20	111	0
1,3-Dinitrobenzene	0.093	0.11	-	-18.3	20	105	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	90	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.063	-	3.4	20	88	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	101	0
1,2-Dinitrobenzene	0.06	0.074	-	-23.3*	20	108	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	0.246	0.287	-	-16.7	20	99	0
Acenaphthene	1.144	1.049	-	8.3	20	89	0
2,4-Dinitrophenol	5	5.319	-	-6.4	20	114	0
Dibenzofuran	1.834	1.671	-	8.9	20	87	0
2,4-Dinitrotoluene	5	5.298	-	-6	20	104	0
4-Nitrophenol	0.185	0.218	-	-17.8	20	103	0
2,3,5,6-Tetrachlorophenol	0.304	0.33	-	-8.6	20	95	0
2,3,4,6-Tetrachlorophenol	0.3	0.318	-	-6	20	92	0
Diethyl phthalate	1.28	1.252	-	2.2	20	91	0
Fluorene	1.409	1.324	-	6	20	88	0
4-Chlorophenyl phenyl ethe	0.719	0.649	-	9.7	20	87	0
4-Nitroaniline	0.246	0.257	-	-4.5	20	96	0
4,6-Dinitro-o-cresol	5	5.867	-	-17.3	20	123	0
NDPA/DPA	1.112	1.095	-	1.5	20	90	0
Azobenzene	1.133	1.15	-	-1.5	20	93	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	87	0
4-Bromophenyl phenyl ether	0.383	0.331	-	13.6	20	82	0
Hexachlorobenzene	0.399	0.347	-	13	20	85	0
Pentachlorophenol	0.216	0.201	-	6.9	20	86	0
IS1_Phenanthrene-d10	1	1	-	0	20	94	0
Phenanthrene	1.146	1.063	-	7.2	20	89	0
Anthracene	1.122	1.075	-	4.2	20	90	0
Carbazole	0.975	0.935	-	4.1	20	86	0
Di-n-butylphthalate	1.07	1.101	-	-2.9	20	91	0
Fluoranthene	1.217	1.154	-	5.2	20	86	0
Benzidine	5	4.315	-	13.7	20	82	0
Pyrene	1.292	1.202	-	7	20	84	0
4-Terphenyl-d14	0.865	0.775	-	10.4	20	83	0
Butyl benzyl phthalate	5	4.552	-	9	20	97	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.304	-	4.6	20	83	0
3,3'-Dichlorobenzidine	0.436	0.407	-	6.7	20	79	0
Chrysene	1.352	1.286	-	4.9	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.82	-	3.6	20	90	0
Di-n-octylphthalate	5	4.589	-	8.2	20	89	0
Benzo(b)fluoranthene	1.185	1.073	-	9.5	20	80	0
Benzo(k)fluoranthene	1.199	1.063	-	11.3	20	75	0
Benzo(a)pyrene	1.101	0.971	-	11.8	20	77	0
IS1_Perylene-d12	1	1	-	0	20	87	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0928
Sample No : WG2120753-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 19:00
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.109	-	0.2	20	82	0
Dibenzo(a,h)anthracene	1.154	1.132	-	1.9	20	81	0
Benzo(ghi)perylene	1.15	1.146	-	0.3	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: DAKOTA	Calibration Date	: 09/28/25 19:18
Lab File ID	: ADP0928	Init. Calib. Date(s)	: 08/20/25 08/20/25
Sample No	: WG2120752-5	Init. Calib. Times	: 12:47 23:44
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	118	0
1,4-Dioxane	0.411	0.366	-	10.9	20	108	0
n-Decane	1.27	0.872	-	31.3*	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	131	0
Atrazine	0.486	0.432	-	11.1	20	122	0
IS3_Phenanthrene-d10	1	1	-	0	20	135	0
n-Octadecane	0.368	0.238	-	35.3*	20	93	0
Parathion	5	5.216	-	-4.3	20	140	0
3,3'-Dimethylbenzidine	5	3.238	-	35.2*	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90928
 Sample No : WG2120753-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:25
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
Benzaldehyde	0.605	0.929	-	-53.6*	20	162	0
Acetophenone	1.796	1.649	-	8.2	20	97	0
m-Toluidine	1.129	1.422	-	-26*	20	133	0
2-Chloroaniline	1.545	1.525	-	1.3	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	104	0
a-Terpineol	0.25	0.305	-	-22*	20	124	0
3-Chloroaniline	0.117	0.137	-	-17.1	20	112	0
2,6-Dichlorophenol	0.264	0.291	-	-10.2	20	107	0
1-chloro-2-nitrobenzene	0.124	0.133	-	-7.3	20	112	0
Caprolactam	0.125	0.146	-	-16.8	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.364	-	12.3	20	95	0
Biphenyl	0.948	0.859	-	9.4	20	97	0
IS2_Acenaphthene-d10	1	1	-	0	20	102	0
Dichloran	0.145	0.14	-	3.4	20	113	0
Pentachloronitrobenzene	0.133	0.139	-	-4.5	20	103	0
IS2_Phenanthrene-d10	1	1	-	0	20	100	0
Diphenamid	0.435	0.43	-	1.1	20	93	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0928
 Sample No : WG2120753-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:50
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	86	0
1,4-Dioxane	0.545	0.494	-	9.4	20	85	0
n-Decane	1.567	1.729	-	-10.3	20	100	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.33	0.354	-	-7.3	20	90	0
IS3_Phenanthrene-d10	1	1	-	0	20	85	0
n-Octadecane	0.441	0.539	-	-22.2*	20	101	0
Parathion	5	5.725	-	-14.5	20	112	0
3,3'-Dimethylbenzidine	5	3.591	-	28.2*	20	64	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	82	0
n-Nitrosodimethylamine	0.659	0.72	-	-9.3	20	82	0
Pyridine	1.237	0.748	-	39.5*	20	49	0
2-Fluorophenol	1.032	1.043	-	-1.1	20	79	0
Aniline	1.692	1.68	-	0.7	20	76	0
2-Chlorophenol	1.228	1.208	-	1.6	20	78	0
Phenol-d6	1.268	1.312	-	-3.5	20	80	0
Phenol	1.412	1.48	-	-4.8	20	84	0
Bis(2-chloroethyl)ether	1.193	1.133	-	5	20	79	0
1,3-Dichlorobenzene	1.558	1.449	-	7	20	77	0
1,4-Dichlorobenzene	1.592	1.479	-	7.1	20	77	0
1,2-Dichlorobenzene	1.528	1.403	-	8.2	20	77	0
Benzyl alcohol	0.928	0.959	-	-3.3	20	81	0
Bis(2-chloroisopropyl)ethe	1.867	1.944	-	-4.1	20	86	0
2-Methylphenol	1.04	1.088	-	-4.6	20	83	0
Hexachloroethane	0.584	0.534	-	8.6	20	75	0
n-Nitrosodi-n-propylamine	0.823	0.818	-	0.6	20	79	0
3-Methylphenol/4-Methylphe	1.102	1.137	-	-3.2	20	80	0
Nitrobenzene-d5	1.172	1.245	-	-6.2	20	85	0
Nitrobenzene	1.19	1.262	-	-6.1	20	86	0
Isophorone	2.158	2.184	-	-1.2	20	81	0
2-Nitrophenol	0.494	0.614	-	-24.3*	20	97	0
2,4-Dimethylphenol	1.154	1.195	-	-3.6	20	81	0
Bis(2-chloroethoxy)methane	1.45	1.403	-	3.2	20	79	0
2,4-Dichlorophenol	1.111	1.1	-	1	20	76	0
1,2,4-Trichlorobenzene	1.448	1.271	-	12.2	20	74	0
IS1_Naphthalene-d8	1	1	-	0	20	84	0
Naphthalene	1.054	0.973	-	7.7	20	79	0
Benzoic Acid	5	4.088	-	18.2	20	67	0
4-Chloroaniline	0.12	0.126	-	-5	20	85	0
Hexachlorobutadiene	0.231	0.199	-	13.9	20	75	0
p-Chloro-m-cresol	0.256	0.274	-	-7	20	85	0
2-Methylnaphthalene	0.632	0.592	-	6.3	20	78	0
1-Methylnaphthalene	0.24	0.207	-	13.8	20	72	0
Hexachlorocyclopentadiene	0.244	0.233	-	4.5	20	80	0
2,4,6-Trichlorophenol	0.214	0.228	-	-6.5	20	80	0
2,4,5-Trichlorophenol	0.23	0.25	-	-8.7	20	85	0
2-Fluorobiphenyl	0.872	0.766	-	12.2	20	75	0
2-Chloronaphthalene	0.734	0.65	-	11.4	20	75	0
2-Nitroaniline	0.159	0.188	-	-18.2	20	94	0
1,4-Dinitrobenzene	0.077	0.099	-	-28.6*	20	105	0
1,3-Dinitrobenzene	0.093	0.113	-	-21.5*	20	98	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.066	-	3.1	20	79	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	90	0
1,2-Dinitrobenzene	0.06	0.075	-	-25*	20	98	0
IS1_Acenaphthene-d10	1	1	-	0	20	82	0
3-Nitroaniline	0.246	0.299	-	-21.5*	20	90	0
Acenaphthene	1.144	1.066	-	6.8	20	80	0
2,4-Dinitrophenol	5	6.285	-	-25.7*	20	120	0
Dibenzofuran	1.834	1.715	-	6.5	20	79	0
2,4-Dinitrotoluene	5	5.542	-	-10.8	20	96	0
4-Nitrophenol	0.185	0.243	-	-31.4*	20	100	0
2,3,5,6-Tetrachlorophenol	0.304	0.331	-	-8.9	20	83	0
2,3,4,6-Tetrachlorophenol	0.3	0.327	-	-9	20	83	0
Diethyl phthalate	1.28	1.238	-	3.3	20	79	0
Fluorene	1.409	1.331	-	5.5	20	77	0
4-Chlorophenyl phenyl ethe	0.719	0.658	-	8.5	20	78	0
4-Nitroaniline	0.246	0.284	-	-15.4	20	93	0
4,6-Dinitro-o-cresol	5	6.438	-	-28.8*	20	119	0
NDPA/DPA	1.112	1.109	-	0.3	20	79	0
Azobenzene	1.133	1.198	-	-5.7	20	85	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	76	0
4-Bromophenyl phenyl ether	0.383	0.344	-	10.2	20	75	0
Hexachlorobenzene	0.399	0.351	-	12	20	75	0
Pentachlorophenol	0.216	0.216	-	0	20	81	0
IS1_Phenanthrene-d10	1	1	-	0	20	85	0
Phenanthrene	1.146	1.092	-	4.7	20	83	0
Anthracene	1.122	1.095	-	2.4	20	83	0
Carbazole	0.975	0.959	-	1.6	20	80	0
Di-n-butylphthalate	1.07	1.054	-	1.5	20	79	0
Fluoranthene	1.217	1.186	-	2.5	20	80	0
Benzidine	5	4.494	-	10.1	20	77	0
Pyrene	1.292	1.273	-	1.5	20	80	0
4-Terphenyl-d14	0.865	0.791	-	8.6	20	76	0
Butyl benzyl phthalate	5	4.681	-	6.4	20	90	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.313	-	4	20	84	0
3,3'-Dichlorobenzidine	0.436	0.415	-	4.8	20	81	0
Chrysene	1.352	1.279	-	5.4	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.277	-	14.5	20	80	0
Di-n-octylphthalate	5	4.489	-	10.2	20	88	0
Benzo(b)fluoranthene	1.185	1.187	-	-0.2	20	89	0
Benzo(k)fluoranthene	1.199	1.195	-	0.3	20	85	0
Benzo(a)pyrene	1.101	1.109	-	-0.7	20	88	0
IS1_Perylene-d12	1	1	-	0	20	98	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0929
Sample No : WG2121049-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/29/25 12:24
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.08	-	2.8	20	90	0
Dibenzo(a,h)anthracene	1.154	1.088	-	5.7	20	87	0
Benzo(ghi)perylene	1.15	1.106	-	3.8	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90929
 Sample No : WG2121049-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:49
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	101	0
Benzaldehyde	0.605	0.952	-	-57.4*	20	158	0
Acetophenone	1.796	1.651	-	8.1	20	93	0
m-Toluidine	1.129	1.421	-	-25.9*	20	127	0
2-Chloroaniline	1.545	1.51	-	2.3	20	97	0
IS2_Naphthalene-d8	1	1	-	0	20	99	0
a-Terpineol	0.25	0.309	-	-23.6*	20	118	0
3-Chloroaniline	0.117	0.145	-	-23.9*	20	112	0
2,6-Dichlorophenol	0.264	0.296	-	-12.1	20	103	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	108	0
Caprolactam	0.125	0.155	-	-24*	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.37	-	10.8	20	91	0
Biphenyl	0.948	0.845	-	10.9	20	90	0
IS2_Acenaphthene-d10	1	1	-	0	20	97	0
Dichloran	0.145	0.146	-	-0.7	20	113	0
Pentachloronitrobenzene	0.133	0.14	-	-5.3	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	94	0
Diphenamid	0.435	0.433	-	0.5	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0929
 Sample No : WG2121049-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 13:14
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	75	0
1,4-Dioxane	0.545	0.522	-	4.2	20	79	0
n-Decane	1.567	1.708	-	-9	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	75	0
Atrazine	0.33	0.353	-	-7	20	79	0
IS3_Phenanthrene-d10	1	1	-	0	20	75	0
n-Octadecane	0.441	0.466	-	-5.7	20	77	0
Parathion	5	5.458	-	-9.2	20	94	0
3,3'-Dimethylbenzidine	5	4.145	-	17.1	20	69	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250928RVT\
 Data File : ABN0928.D
 Acq On : 28 Sep 2025 05:46 pm
 Operator : SV112:smz
 Sample : wg2120745-3,32,,ABN 11823 gmr0814A
 Misc : wg2120745,,ical22560
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 18:10:03 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2 T	n-Nitrosodimethylamine	0.792	0.687	13.3	83	0.00
3 T	Pyridine	1.349	0.723	46.4#	55	0.00
4 S	2-Fluorophenol	1.105	1.046	5.3	89	0.00
5 T	Aniline	* 5.000	3.882	22.4#	83	0.00
6 T	2-Chlorophenol	1.287	1.180	8.3	85	0.00
7 S	Phenol-d6	1.428	1.281	10.3	83	0.00
8 T	Phenol	1.581	1.444	8.7	87	0.00
9 T	Bis(2-chloroethyl)ether	1.319	1.125	14.7	84	0.00
10 T	1,3-Dichlorobenzene	1.573	1.402	10.9	88	0.00
11 T	1,4-Dichlorobenzene	1.611	1.427	11.4	87	0.00
12 T	1,2-Dichlorobenzene	1.557	1.381	11.3	87	0.00
13 T	Benzyl alcohol	1.122	0.955	14.9	82	0.00
14 T	Bis(2-chloroisopropyl)ether	2.148	1.727	19.6	78	0.00
15 T	2-Methylphenol	1.155	1.052	8.9	85	0.00
16 T	Hexachloroethane	0.596	0.511	14.3	84	0.00
17 T	n-Nitrosodi-n-propylamine	1.032	0.807	21.8#	75	0.00
18 T	3-Methylphenol/4-Methylphen	1.270	1.141	10.2	86	0.00
19 S	Nitrobenzene-d5	1.354	1.239	8.5	86	0.00
20 T	Nitrobenzene	1.405	1.240	11.7	84	0.00
21 T	Isophorone	2.849	2.221	22.0#	73	0.00
22 T	2-Nitrophenol	* 5.000	4.382	12.4	100	0.00
23 T	2,4-Dimethylphenol	1.510	1.236	18.1	80	0.00
24 T	Bis(2-chloroethoxy)methane	1.807	1.522	15.8	80	0.00
25 T	2,4-Dichlorophenol	1.335	1.192	10.7	86	0.00
26 T	1,2,4-Trichlorobenzene	1.539	1.350	12.3	87	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	99	0.00
36 T	Naphthalene	1.063	0.980	7.8	85	0.00
37 T	Benzoic Acid	* 5.000	3.085	38.3#	48	0.00
38 T	4-Chloroaniline	0.144	0.127	11.8	79	0.00
39 T	Hexachlorobutadiene	0.253	0.232	8.3	85	0.00
40 T	p-Chloro-m-cresol	0.329	0.283	14.0	76	0.00
41 T	2-Methylnaphthalene	0.674	0.628	6.8	85	0.00
42 T	1-Methylnaphthalene	0.269	0.228	15.2	79	0.00
43 T	Hexachlorocyclopentadiene	* 5.000	4.520	9.6	90	0.00
44 T	2,4,6-Trichlorophenol	* 5.000	4.244	15.1	86	0.00
45 T	2,4,5-Trichlorophenol	* 5.000	4.237	15.3	80	0.00
46 S	2-Fluorobiphenyl	0.927	0.839	9.5	80	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250928RVT\
 Data File : ABN0928.D
 Acq On : 28 Sep 2025 05:46 pm
 Operator : SV112:smz
 Sample : wg2120745-3,32,,ABN 11823 gmr0814A
 Misc : wg2120745,,ical22560
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 18:10:03 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene		0.786	0.715	9.0	82	0.00
48 T	2-Nitroaniline	*	5.000	4.043	19.1	85	0.00
49 T	1,4-Dinitrobenzene		0.128	0.106	17.2	85	0.00
50 T	1,3-Dinitrobenzene		0.145	0.125	13.8	89	0.00
51 T	Dimethyl phthalate		0.996	0.900	9.6	78	0.00
52 T	Acenaphthylene		1.282	1.189	7.3	79	0.00
53 T	2,6-Dinitrotoluene	*	5.000	4.107	17.9	82	0.00
54 T	1,2-Dinitrobenzene		0.094	0.084	10.6	90	0.00
63 I	IS1_Acenaphthene-d10		1.000	1.000	0.0	94	0.00
64 T	3-Nitroaniline	*	5.000	4.254	14.9	80	0.00
65 T	Acenaphthene		1.102	1.024	7.1	81	0.00
66 T	2,4-Dinitrophenol	*	5.000	3.852	23.0#	72	0.00
67 T	Dibenzofuran		1.833	1.733	5.5	80	0.00
68 T	2,4-Dinitrotoluene	*	5.000	4.624	7.5	88	0.00
69 T	4-Nitrophenol	*	5.000	4.252	15.0	76	0.00
70 T	2,3,5,6-Tetrachlorophenol	*	5.000	4.361	12.8	82	0.00
71 T	2,3,4,6-Tetrachlorophenol	*	5.000	4.288	14.2	78	0.00
72 T	Diethyl phthalate		1.565	1.414	9.6	75	0.00
73 T	Fluorene		1.489	1.373	7.8	78	0.00
74 T	4-Chlorophenyl phenyl ether		0.783	0.711	9.2	80	0.00
75 T	4-Nitroaniline	*	5.000	4.242	15.2	78	0.00
76 T	4,6-Dinitro-o-cresol	*	5.000	4.413	11.7	85	0.00
77 T	NDPA/DPA		1.246	1.190	4.5	80	0.00
78 T	Azobenzene		1.371	1.235	9.9	72	0.00
79 S	2,4,6-Tribromophenol		0.254	0.244	3.9	83	0.00
80 T	4-Bromophenyl phenyl ether		0.512	0.460	10.2	77	0.00
81 T	Hexachlorobenzene		0.607	0.541	10.9	79	0.00
82 T	Pentachlorophenol	*	5.000	4.673	6.5	91	0.00
88 I	IS1_Phenanthrene-d10		1.000	1.000	0.0	92	0.00
89 T	Phenanthrene		1.099	1.039	5.5	80	0.00
90 T	Anthracene		1.091	1.061	2.7	80	0.00
91 T	Carbazole		0.993	0.963	3.0	78	0.00
92 T	Di-n-butylphthalate		1.164	1.109	4.7	75	0.00
93 T	Fluoranthene		1.329	1.263	5.0	77	0.00
94 T	Benzidine	*	5.000	4.422	11.6	77	0.00
95 T	Pyrene		1.367	1.336	2.3	78	0.00
96 S	4-Terphenyl-d14		1.068	1.018	4.7	79	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250928RVT\
 Data File : ABN0928.D
 Acq On : 28 Sep 2025 05:46 pm
 Operator : SV112:smz
 Sample : wg2120745-3,32,,ABN 11823 gmr0814A
 Misc : wg2120745,,ical22560
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 18:10:03 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	*	5.000	4.323	13.5	80	0.00
104 I	IS1_Chrysene-d12		1.000	1.000	0.0	93	0.00
105 T	Benzo(a)anthracene		1.308	1.210	7.5	79	0.00
106 T	3,3'-Dichlorobenzidine		0.473	0.447	5.5	75	0.00
107 T	Chrysene		1.216	1.170	3.8	80	0.00
108 T	Bis(2-ethylhexyl)phthalate	*	5.000	4.210	15.8	76	0.00
109 T	Di-n-octylphthalate	*	5.000	3.913	21.7#	76	0.00
110 T	Benzo(b)fluoranthene		1.283	1.311	-2.2	88	0.00
111 T	Benzo(k)fluoranthene		1.251	1.105	11.7	70	0.00
112 T	Benzo(a)pyrene		1.188	1.116	6.1	77	0.00
113 I	IS1_Perylene-d12		1.000	1.000	0.0	93	0.00
114 T	Indeno(1,2,3-cd)pyrene		1.105	1.130	-2.3	84	0.00
115 T	Dibenzo(a,h)anthracene		1.064	1.082	-1.7	82	0.00
116 T	Benzo(ghi)perylene		1.105	1.085	1.8	81	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : ABN0928.D
 Acq On : 28 Sep 2025 05:46 pm
 Operator : SV112:smz
 Sample : wg2120745-3,32,,ABN 11823 gmr0814A
 Misc : wg2120745,,ical22560
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 18:10:03 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.496	152	19896	4.000	ug/ml	0.00
35) IS1_Naphthalene-d8	5.725	136	75600	4.000	ug/ml	0.00
63) IS1_Acenaphthene-d10	7.419	164	48212	4.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	8.837	188	103206	4.000	ug/ml	# 0.00
104) IS1_Chrysene-d12	11.437	240	116026	4.000	ug/ml	# 0.00
113) IS1_Perylene-d12	12.878	264	125196	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.231	112	26009	4.733	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	236.65%#	
7) Phenol-d6	4.202	99	31868	4.487	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	224.35%#	
19) Nitrobenzene-d5	5.037	82	30823	4.577	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	457.70%#	
46) 2-Fluorobiphenyl	6.796	172	79282	4.525	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	452.50%#	
79) 2,4,6-Tribromophenol	8.178	330	14694	4.793	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	239.65%#	
96) 4-Terphenyl-d14	10.407	244	131322	4.767	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	476.70%#	
Target Compounds						
					Qvalue	
2) n-Nitrosodimethylamine	1.808	74	17085	4.338	ug/ml#	83
3) Pyridine	1.855	79	17980M1	2.679	ug/ml	
5) Aniline	4.178	93	43471	3.882	ug/ml	97
6) 2-Chlorophenol	4.296	128	29344	4.584	ug/ml	99
8) Phenol	4.214	94	35920	4.568	ug/ml#	60
9) Bis(2-chloroethyl)ether	4.266	93	27991	4.266	ug/ml	94
10) 1,3-Dichlorobenzene	4.437	146	34874	4.456	ug/ml	97
11) 1,4-Dichlorobenzene	4.514	146	35501	4.431	ug/ml	96
12) 1,2-Dichlorobenzene	4.661	146	34345	4.435	ug/ml	96
13) Benzyl alcohol	4.655	79	23749	4.257	ug/ml	100
14) Bis(2-chloroisopropyl)...	4.796	45	42960	4.021	ug/ml#	73
15) 2-Methylphenol	4.796	108	26167	4.555	ug/ml	98
16) Hexachloroethane	4.984	117	12720	4.290	ug/ml#	62
17) n-Nitrosodi-n-propylamine	4.919	70	20074	3.910	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.949	108	28388	4.492	ug/ml	96
20) Nitrobenzene	5.055	77	30850	4.414	ug/ml	99
21) Isophorone	5.296	82	55232	3.897	ug/ml	99
22) 2-Nitrophenol	5.372	139	16531	4.382	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : ABN0928.D
 Acq On : 28 Sep 2025 05:46 pm
 Operator : SV112:smz
 Sample : wg2120745-3,32,,ABN 11823 gmr0814A
 Misc : wg2120745,,ical22560
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 18:10:03 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23)	2,4-Dimethylphenol	5.455	107	30746	4.095	ug/ml	99
24)	Bis(2-chloroethoxy)met...	5.537	93	37855	4.211	ug/ml	99
25)	2,4-Dichlorophenol	5.614	162	29646	4.466	ug/ml	95
26)	1,2,4-Trichlorobenzene	5.684	180	33573	4.387	ug/ml	97
36)	Naphthalene	5.743	128	92572	4.609	ug/ml	99
37)	Benzoic Acid	5.537	105	10098	3.085	ug/ml	98
38)	4-Chloroaniline	5.819	65	11968	4.398	ug/ml	98
39)	Hexachlorobutadiene	5.902	225	21908	4.581	ug/ml	99
40)	p-Chloro-m-cresol	6.325	107	26705	4.297	ug/ml	93
41)	2-Methylnaphthalene	6.419	142	59359	4.663	ug/ml	98
42)	1-Methylnaphthalene	6.513	115	21581	4.238	ug/ml	94
43)	Hexachlorocyclopentadiene	6.596	237	28427	4.520	ug/ml	98
44)	2,4,6-Trichlorophenol	6.713	196	25149	4.244	ug/ml	99
45)	2,4,5-Trichlorophenol	6.743	196	26306	4.237	ug/ml	98
47)	2-Chloronaphthalene	6.884	162	67607	4.552	ug/ml	93
48)	2-Nitroaniline	7.002	138	19584	4.043	ug/ml	98
49)	1,4-Dinitrobenzene	7.131	168	9997	4.131	ug/ml	86
50)	1,3-Dinitrobenzene	7.208	168	11828	4.314	ug/ml	85
51)	Dimethyl phthalate	7.202	163	85010	4.514	ug/ml	100
52)	Acenaphthylene	7.278	152	112318	4.635	ug/ml	99
53)	2,6-Dinitrotoluene	7.243	165	17454	4.107	ug/ml	91
54)	1,2-Dinitrobenzene	7.284	168	7926	4.474	ug/ml#	1
64)	3-Nitroaniline	7.396	138	18479	4.254	ug/ml	97
65)	Acenaphthene	7.449	154	61687	4.643	ug/ml	97
66)	2,4-Dinitrophenol	7.496	184	8154	3.852	ug/ml#	81
67)	Dibenzofuran	7.619	168	104441	4.726	ug/ml	87
68)	2,4-Dinitrotoluene	7.625	165	25520	4.624	ug/ml	84
69)	4-Nitrophenol	7.602	65	15659	4.252	ug/ml#	1
70)	2,3,5,6-Tetrachlorophenol	7.713	232	23992	4.361	ug/ml	99
71)	2,3,4,6-Tetrachlorophenol	7.755	232	23443	4.288	ug/ml	98
72)	Diethyl phthalate	7.890	149	85243	4.520	ug/ml	97
73)	Fluorene	7.943	166	82730	4.608	ug/ml	97
74)	4-Chlorophenyl phenyl ...	7.966	204	42861	4.541	ug/ml#	83
75)	4-Nitroaniline	7.978	138	18176	4.242	ug/ml	93
76)	4,6-Dinitro-o-cresol	8.013	198	14256	4.413	ug/ml#	83
77)	NDPA/DPA	8.084	169	71721	4.778	ug/ml	97
78)	Azobenzene	8.119	77	74414	4.504	ug/ml#	94
80)	4-Bromophenyl phenyl e...	8.431	248	27708	4.489	ug/ml#	83
81)	Hexachlorobenzene	8.484	284	32605	4.459	ug/ml#	87
82)	Pentachlorophenol	8.678	266	20722	4.673	ug/ml	97
89)	Phenanthrene	8.860	178	134047	4.727	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : ABN0928.D
 Acq On : 28 Sep 2025 05:46 pm
 Operator : SV112:smz
 Sample : wg2120745-3,32,,ABN 11823 gmr0814A
 Misc : wg2120745,,ical22560
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 18:10:03 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

90)	Anthracene	8.907	178	136918	4.863	ug/ml	99
91)	Carbazole	9.078	167	124267	4.848	ug/ml	98
92)	Di-n-butylphthalate	9.472	149	143059	4.765	ug/ml	100
93)	Fluoranthene	10.002	202	162909M3	4.749	ug/ml	
94)	Benazidine	10.160	184	97208	4.422	ug/ml#	95
95)	Pyrene	10.213	202	172371	4.886	ug/ml	99
97)	Butyl benzyl phthalate	10.931	149	64900	4.323	ug/ml	93
105)	Benzo(a)anthracene	11.425	228	175559	4.627	ug/ml	98
106)	3,3'-Dichlorobenzidine	11.431	252	64854	4.723	ug/ml#	97
107)	Chrysene	11.460	228	169679	4.811	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.560	149	99362	4.210	ug/ml#	98
109)	Di-n-octylphthalate	12.231	149	164089	3.913	ug/ml	98
110)	Benzo(b)fluoranthene	12.513	252	190195	5.109	ug/ml#	95
111)	Benzo(k)fluoranthene	12.543	252	160197M3	4.414	ug/ml	
112)	Benzo(a)pyrene	12.825	252	161905	4.698	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	13.831	276	176913M6	5.117	ug/mL	
115)	Dibenzo(a,h)anthracene	13.854	278	169295	5.082	ug/ml#	91
116)	Benzo(ghi)perylene	14.054	276	169779	4.908	ug/ml#	92

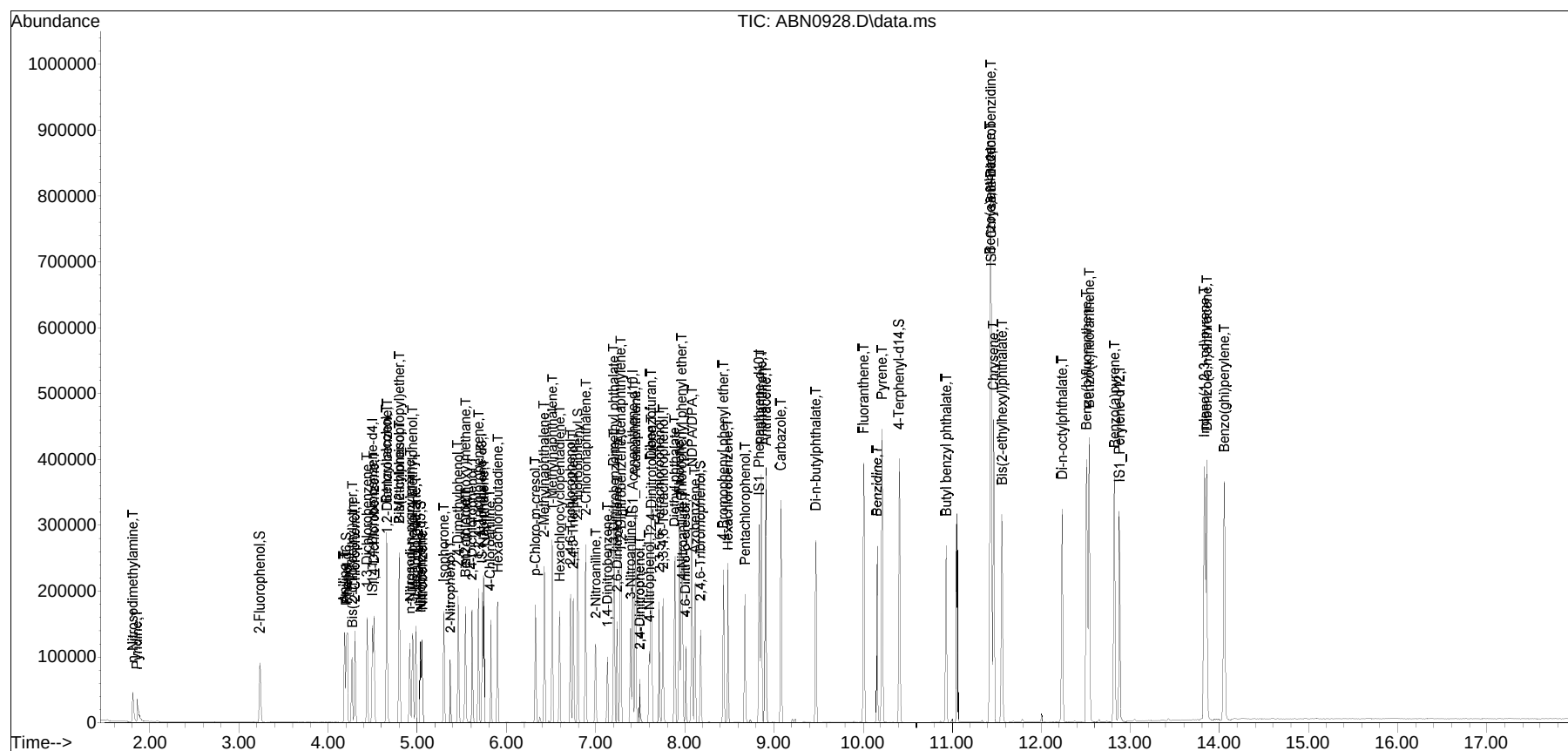
(#) = qualifier out of range (m) = manual integration (+) = signals summed

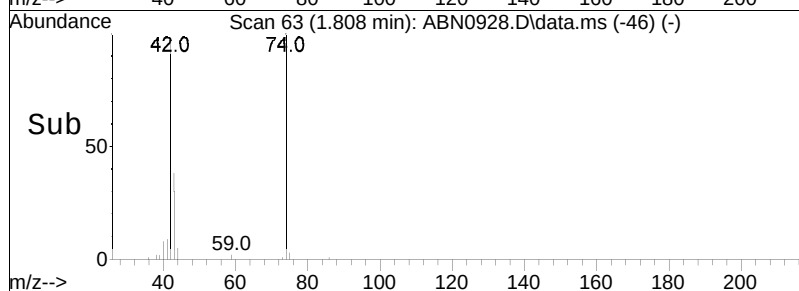
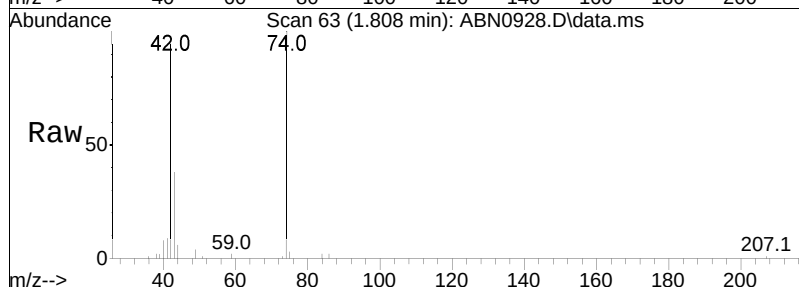
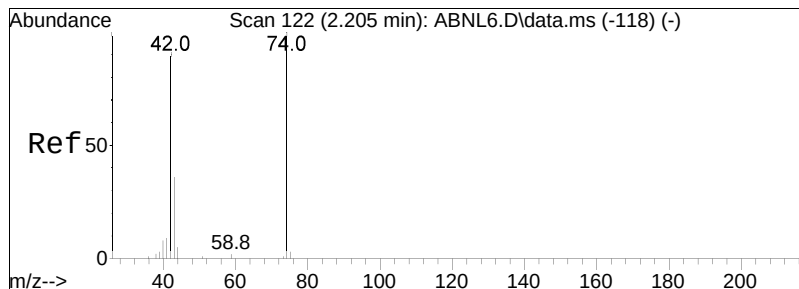
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
Data File : ABN0928.D
Acq On : 28 Sep 2025 05:46 pm
Operator : SV112:smz
Sample : wg2120745-3,32,,ABN 11823 gmr0814A
Misc : wg2120745,,ical22560
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 18:10:03 2025
Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Sep 26 13:23:41 2025
Response via : Initial Calibration

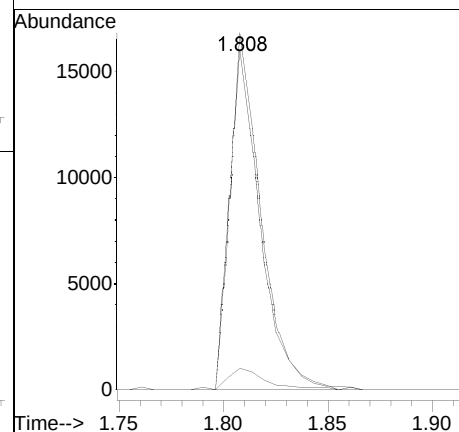
Sub List : ABNical - ABN ical sublist

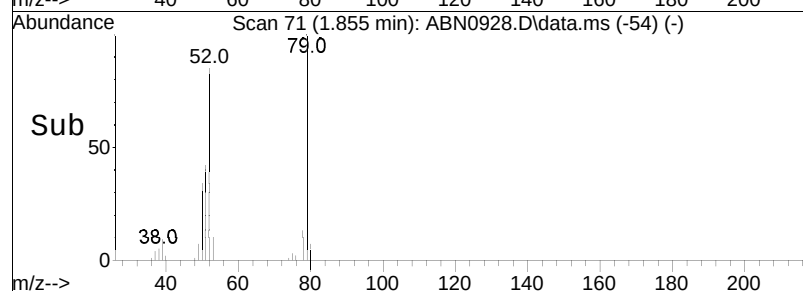
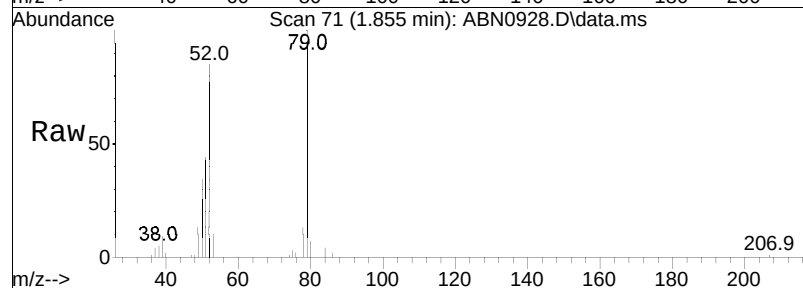
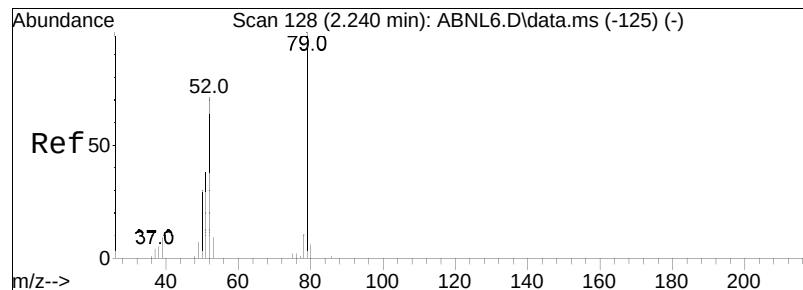




#2
 n-Nitrosodimethylamine
 Concen: 4.34 ug/ml
 RT: 1.808 min Scan# 63
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

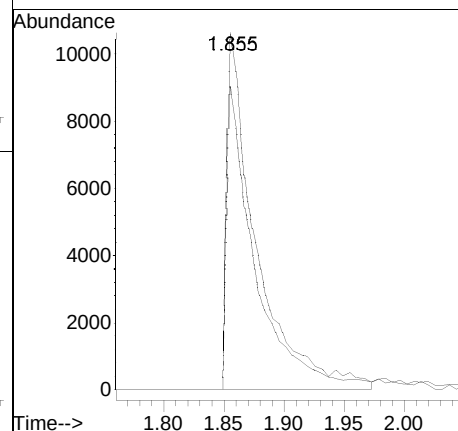
Tgt Ion: 74 Resp: 17085
 Ion Ratio Lower Upper
 74 100
 42 95.4 63.8 95.8
 44 7.5 4.3 6.5#

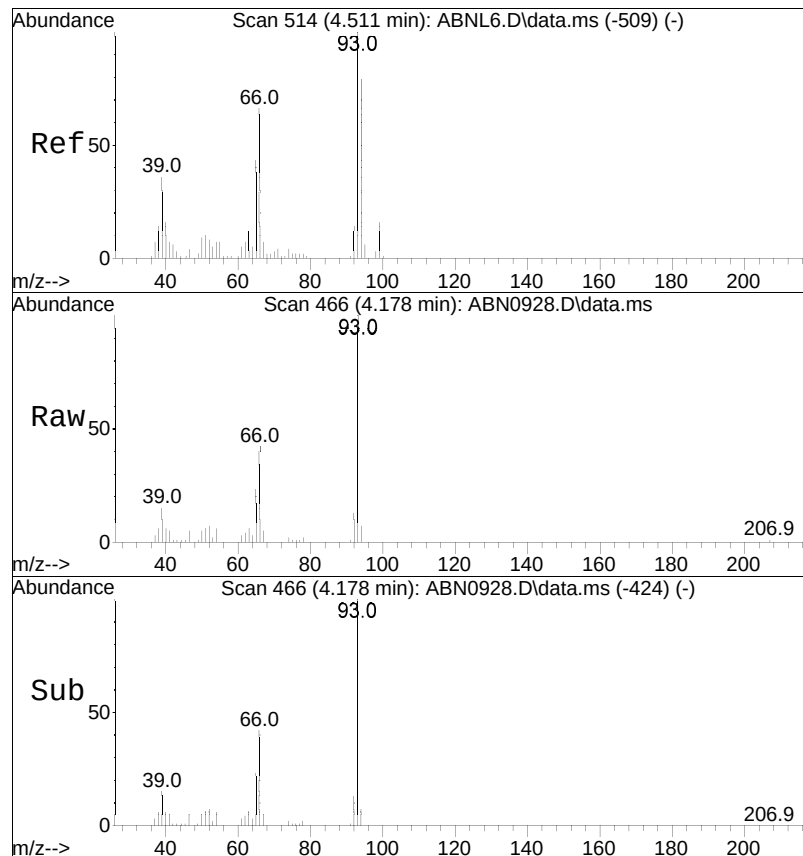




#3
 Pyridine
 Concen: 2.68 ug/ml M1
 RT: 1.855 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

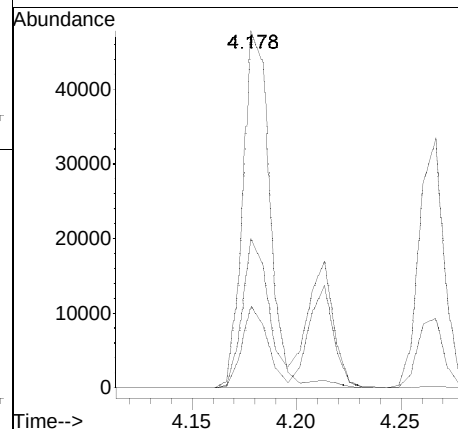
Tgt Ion	Ratio	Lower	Upper
79	100		
52	79.0	64.6	96.8

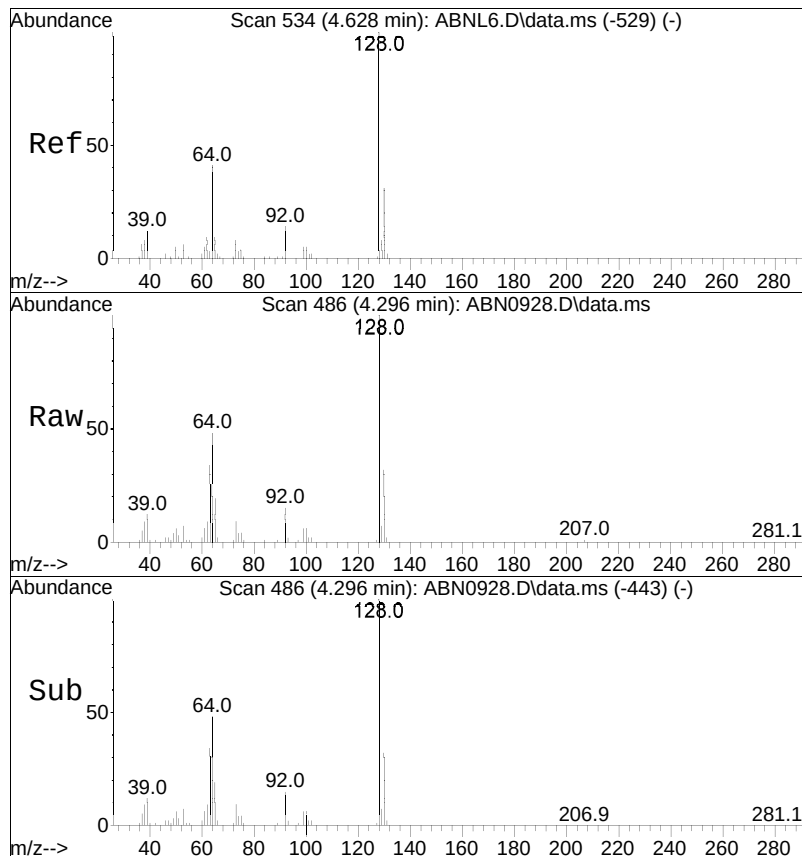




#5
 Aniline
 Concen: 3.88 ug/ml
 RT: 4.178 min Scan# 466
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

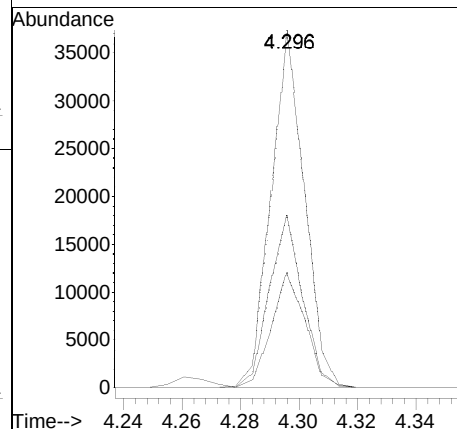
Tgt Ion:	93	Resp:	43471
Ion	Ratio	Lower	Upper
93	100		
66	41.3	31.3	46.9
65	21.8	16.6	25.0

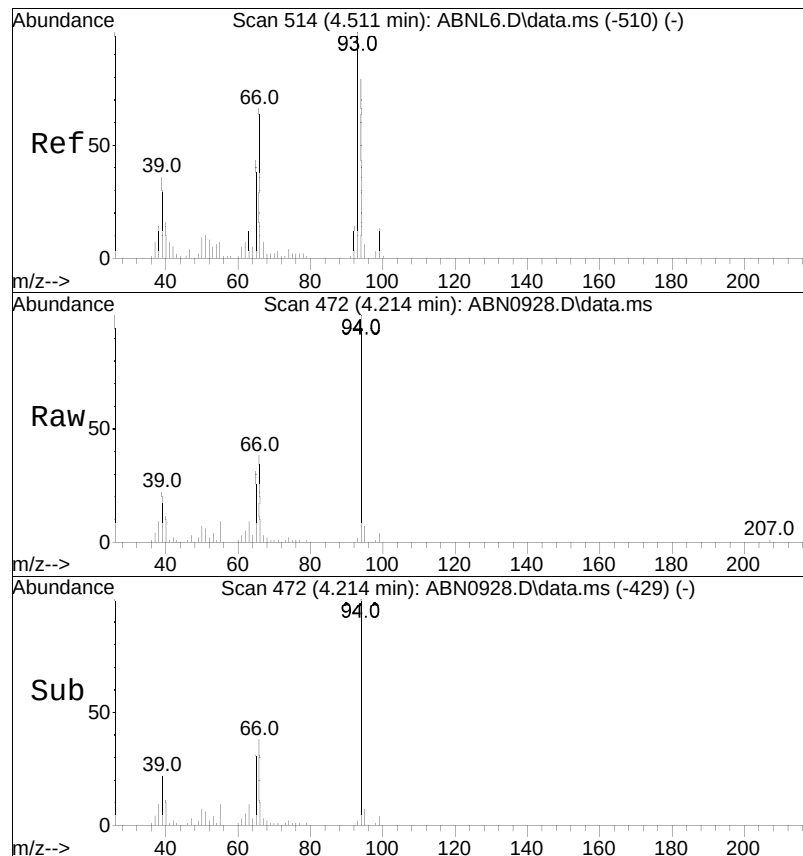




#6
 2-Chlorophenol
 Concen: 4.58 ug/ml
 RT: 4.296 min Scan# 486
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

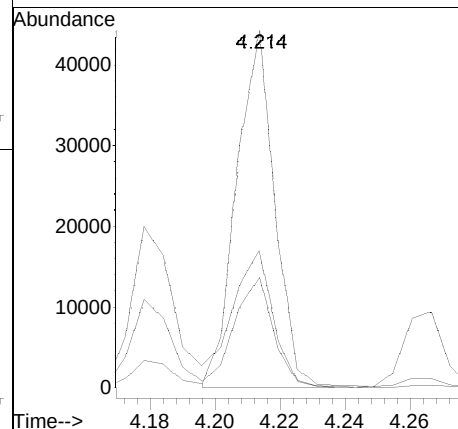
Tgt Ion:	128	Resp:	29344
Ion Ratio	Lower	Upper	
128	100		
64	48.3	38.2	57.4
130	33.0	26.2	39.2

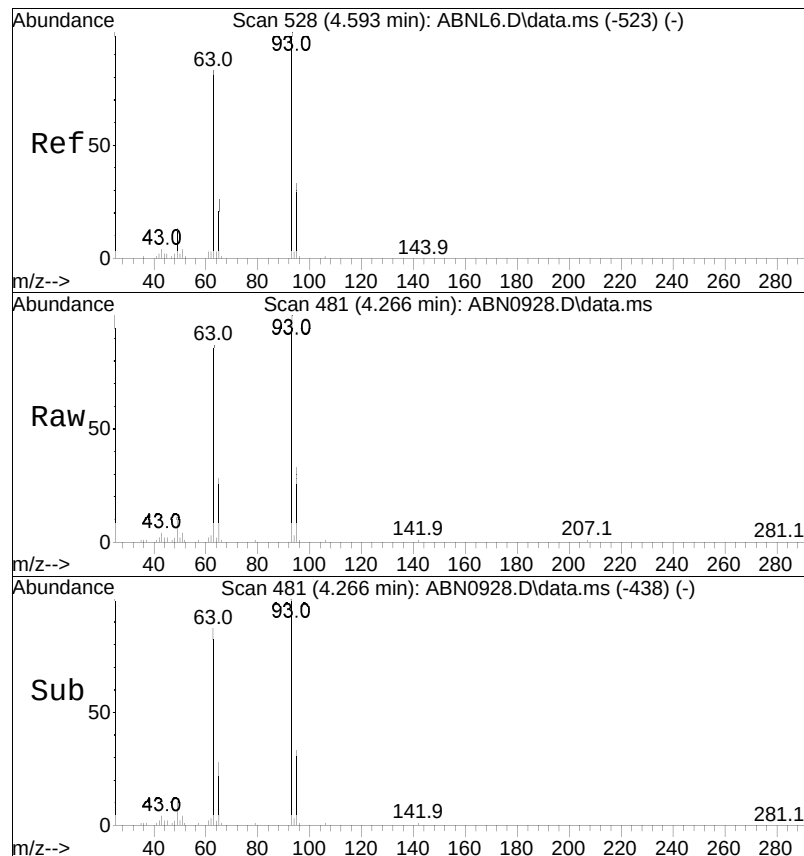




#8
 Phenol
 Concen: 4.57 ug/ml
 RT: 4.214 min Scan# 472
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

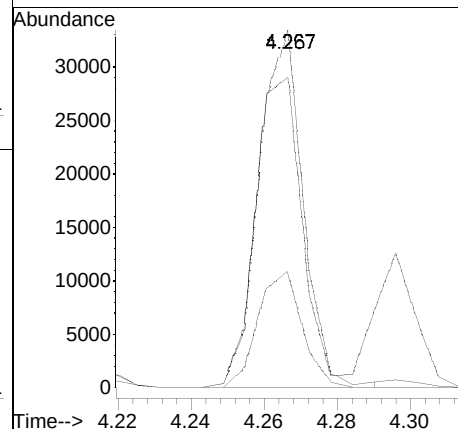
Tgt Ion:	94	Resp:	35920
Ion Ratio	Lower	Upper	
94	100		
65	31.8	23.0	34.6
66	0.0	32.1	48.1#

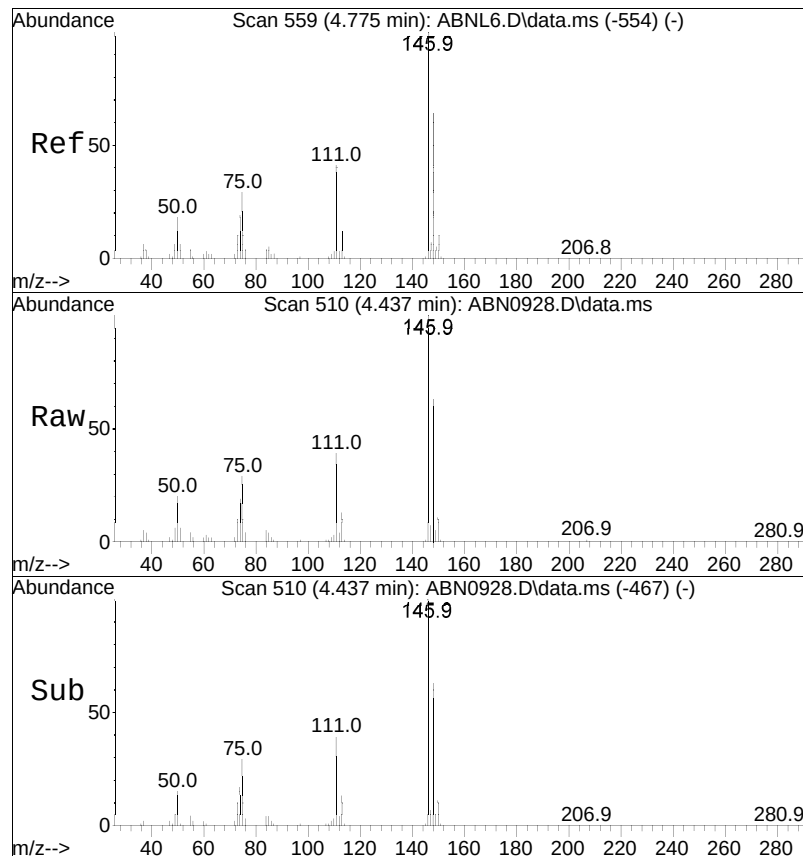




#9
 Bis(2-chloroethyl)ether
 Concen: 4.27 ug/ml
 RT: 4.266 min Scan# 481
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

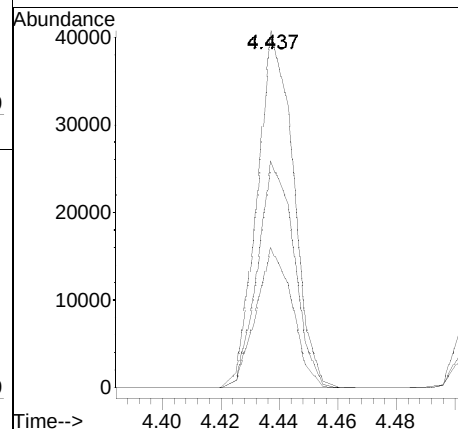
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	27991		
63	91.4		67.0	100.4
95	32.5		26.1	39.1

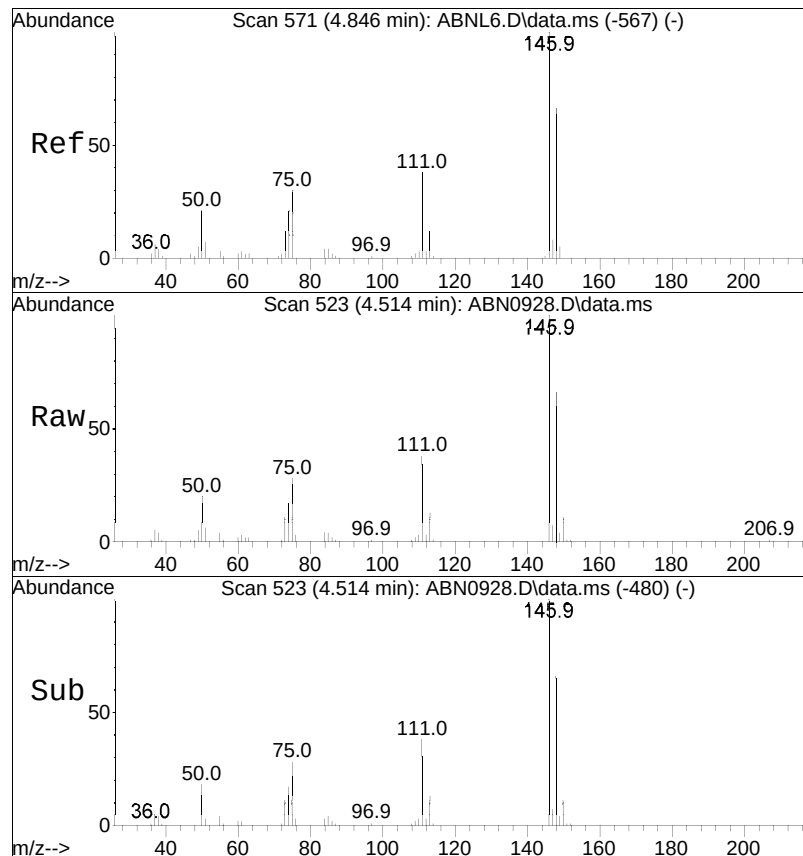




#10
 1,3-Dichlorobenzene
 Concen: 4.46 ug/ml
 RT: 4.437 min Scan# 510
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

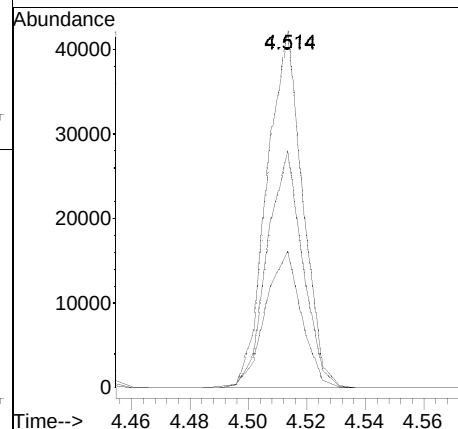
Tgt Ion:	146	Resp:	34874
Ion Ratio	Lower	Upper	
146	100		
111	39.5	35.0	52.4
148	63.9	51.3	76.9

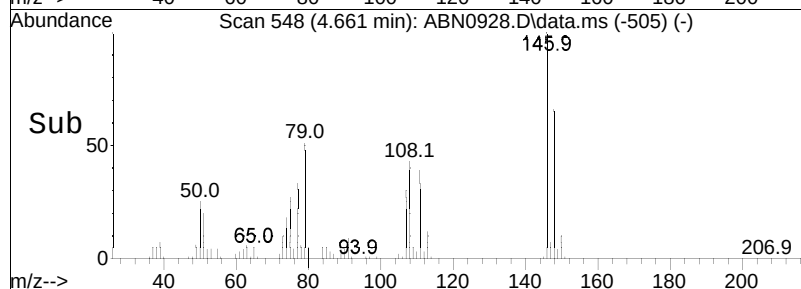
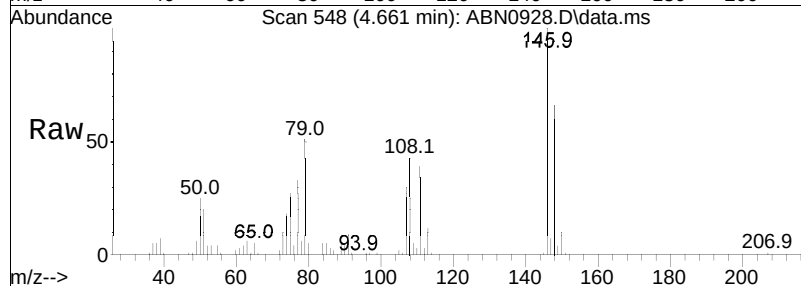
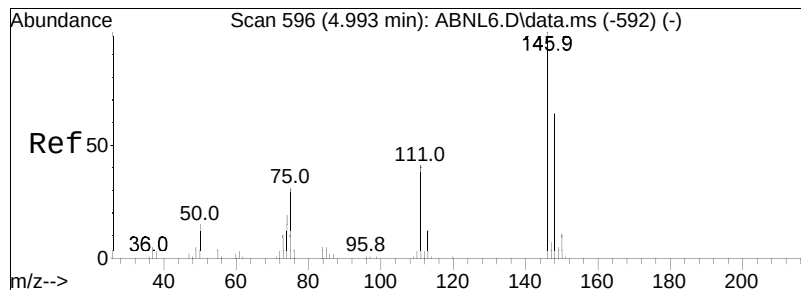




#11
 1,4-Dichlorobenzene
 Concen: 4.43 ug/ml
 RT: 4.514 min Scan# 523
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

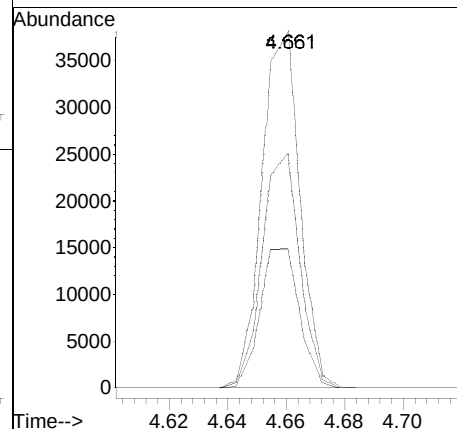
Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.9	51.1	76.7
111	39.2	34.4	51.6

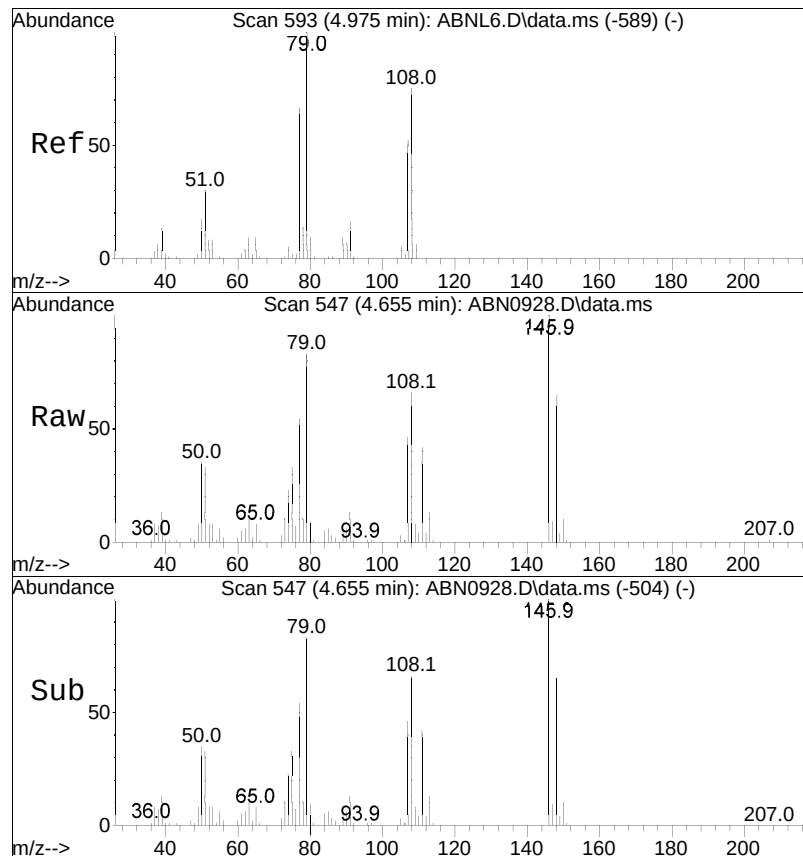




#12
 1,2-Dichlorobenzene
 Concen: 4.44 ug/ml
 RT: 4.661 min Scan# 548
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

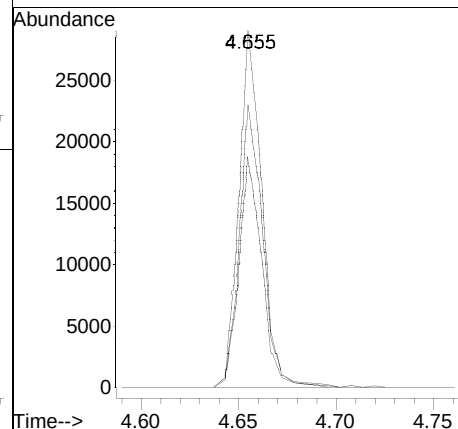
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	35.5	53.3
148	65.3	50.6	76.0

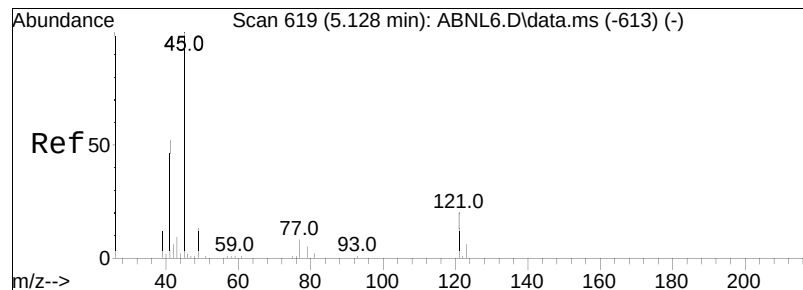




#13
 Benzyl alcohol
 Concen: 4.26 ug/ml
 RT: 4.655 min Scan# 547
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

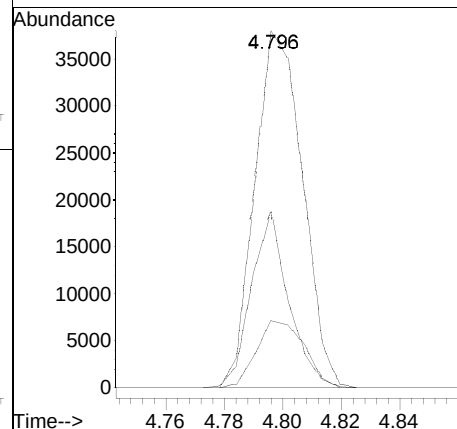
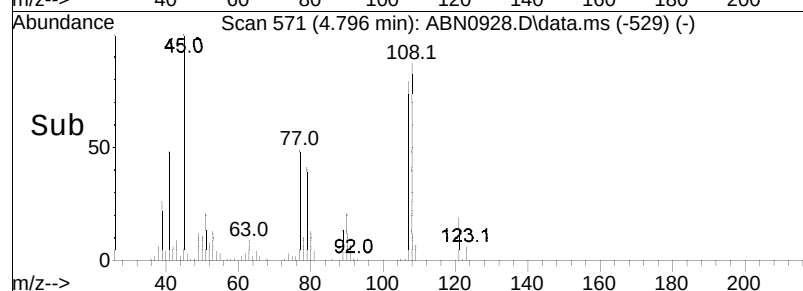
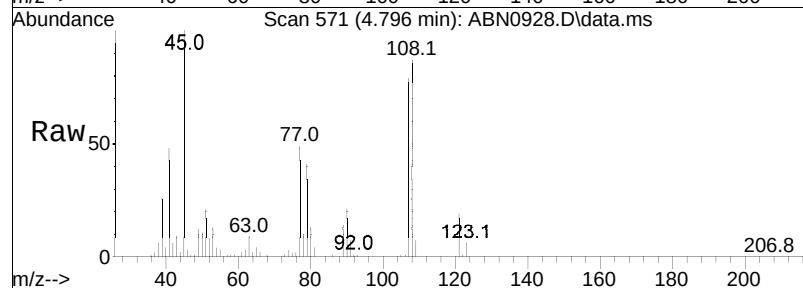
Tgt Ion:	79	Resp:	23749
Ion Ratio	Lower	Upper	
79	100		
77	64.2	51.8	77.6
108	79.9	63.9	95.9

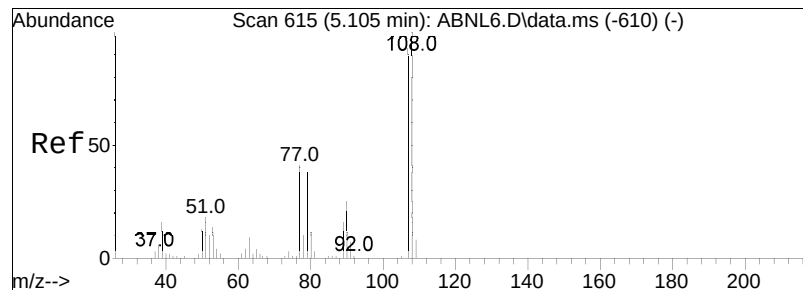




#14
 Bis(2-chloroisopropyl)ether
 Concen: 4.02 ug/ml
 RT: 4.796 min Scan# 571
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

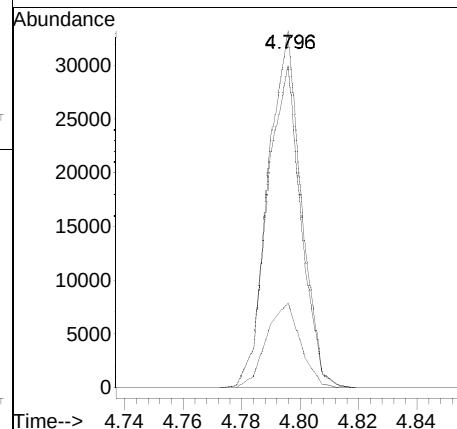
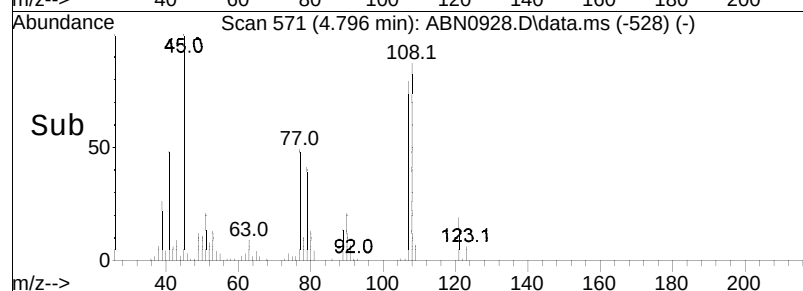
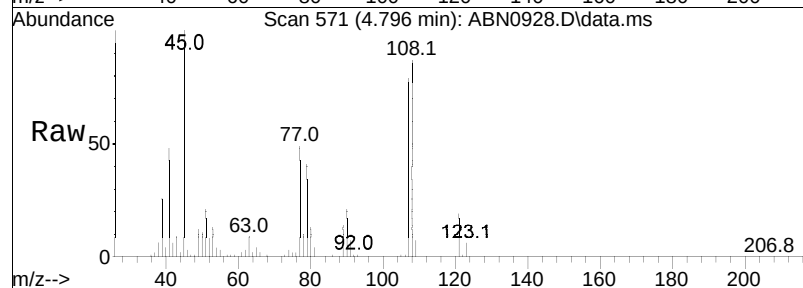
Tgt Ion	Ratio	Lower	Upper
45	100		
121	18.8	14.8	22.2
77	38.8	10.5	15.7

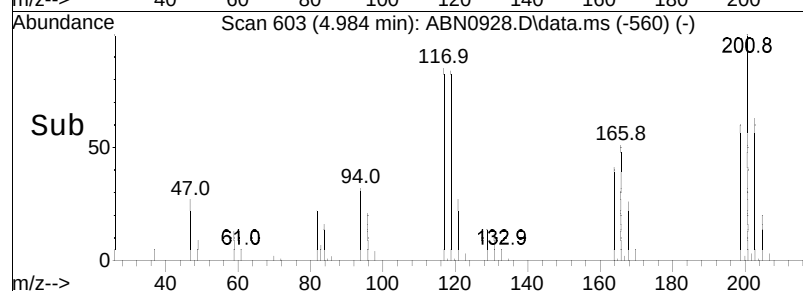
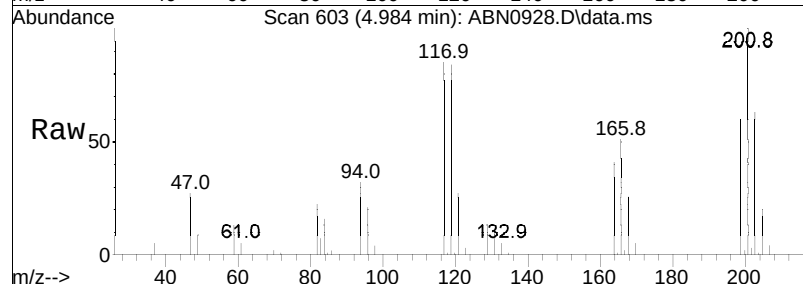
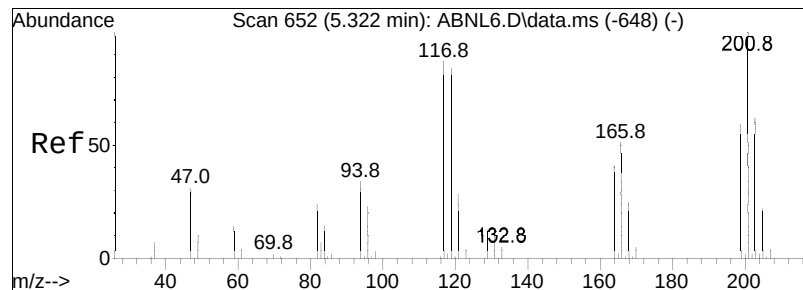




#15
 2-Methylphenol
 Concen: 4.56 ug/ml
 RT: 4.796 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

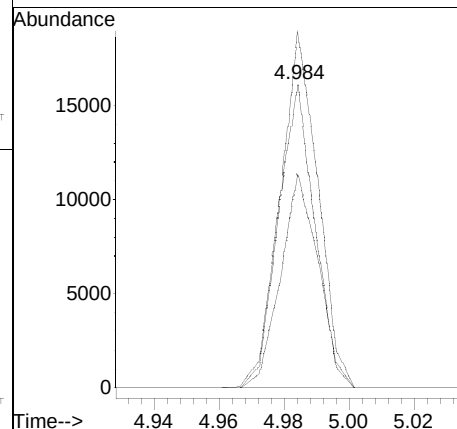
Tgt Ion	Ratio	Lower	Upper
108	100		
107	91.5	71.0	106.4
90	24.4	19.7	29.5

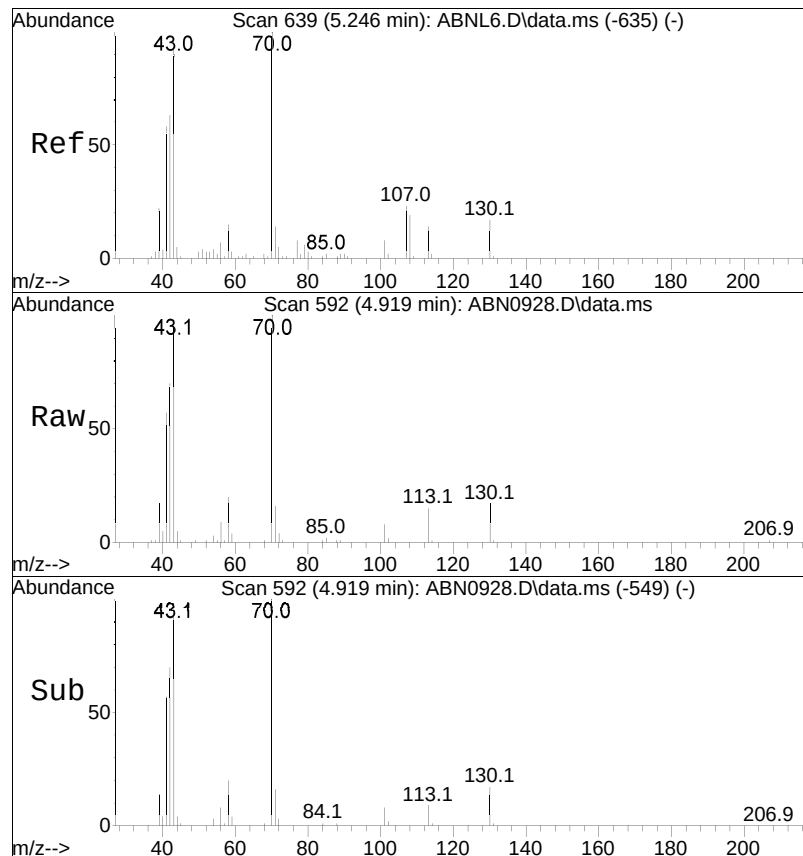




#16
 Hexachloroethane
 Concen: 4.29 ug/ml
 RT: 4.984 min Scan# 603
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

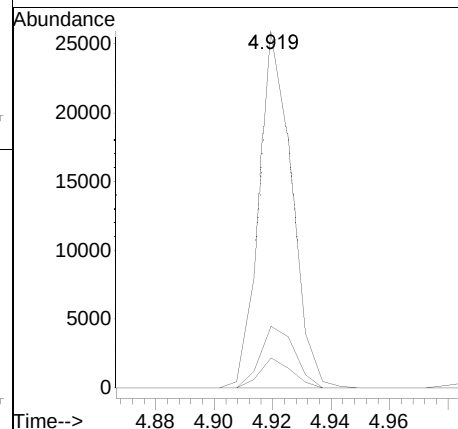
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	12720		
201	118.3		64.4	96.6#
199	72.0		40.5	60.7#

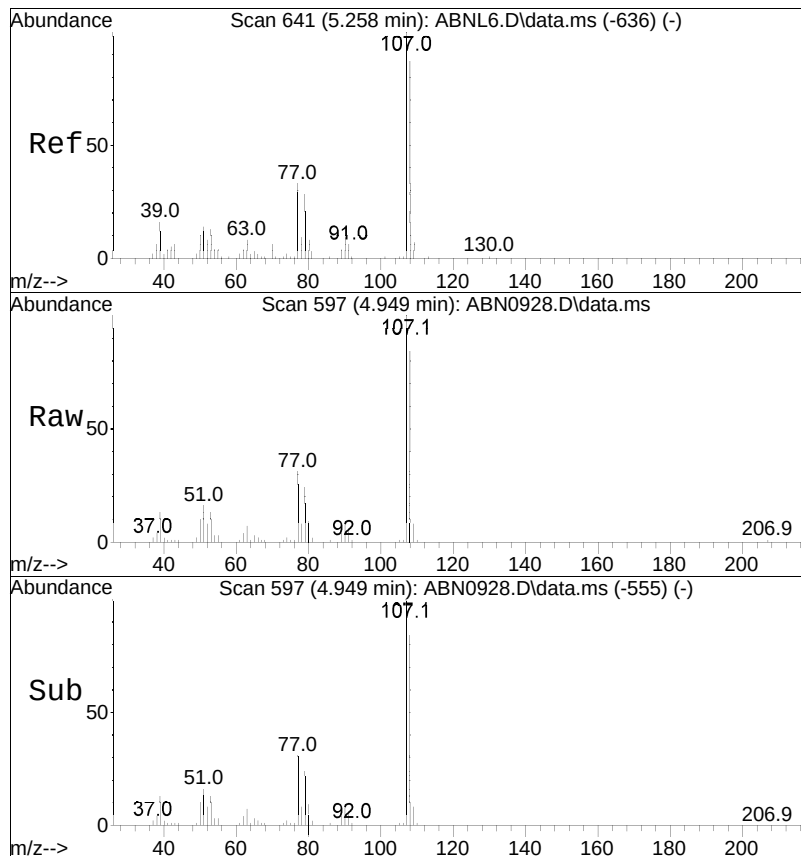




#17
 n-Nitrosodi-n-propylamine
 Concen: 3.91 ug/ml
 RT: 4.919 min Scan# 592
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

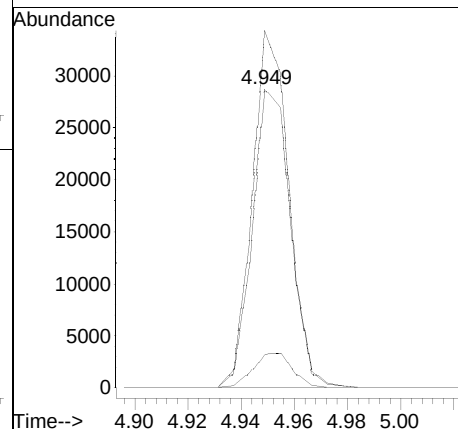
Tgt Ion:	70	Resp:	20074
Ion Ratio	Lower	Upper	
70	100		
130	18.1	16.2	24.4
101	8.1	7.6	11.4

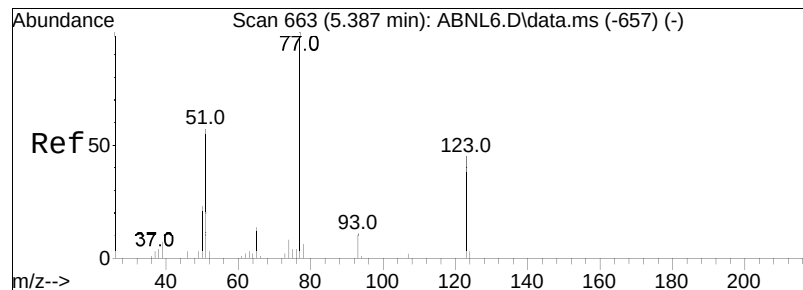




#18
 3-Methylphenol/4-Methylphenol
 Concen: 4.49 ug/ml
 RT: 4.949 min Scan# 597
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

Tgt	Ion:108	Resp:	28388
Ion	Ratio	Lower	Upper
108	100		
107	115.3	88.8	133.2
90	11.9	9.0	13.6





#20

Nitrobenzene

Concen: 4.41 ug/ml

RT: 5.055 min Scan# 615

Delta R.T. 0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm

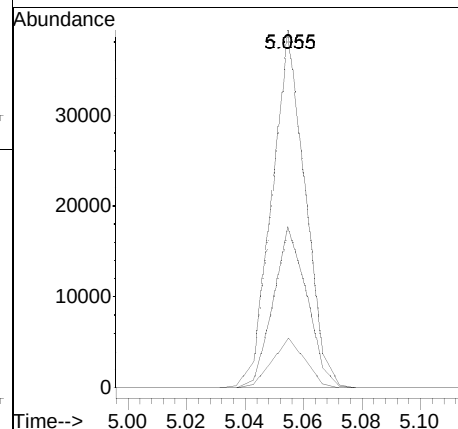
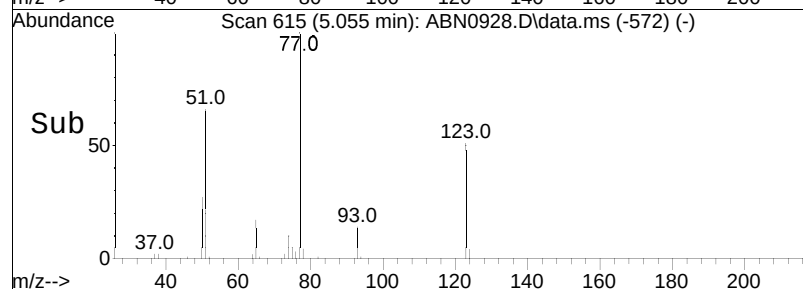
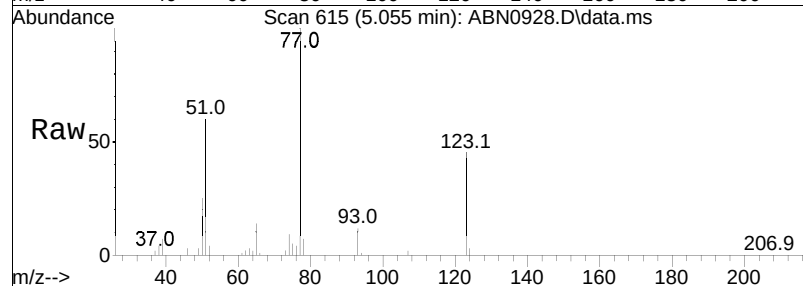
Tgt Ion: 77 Resp: 30850

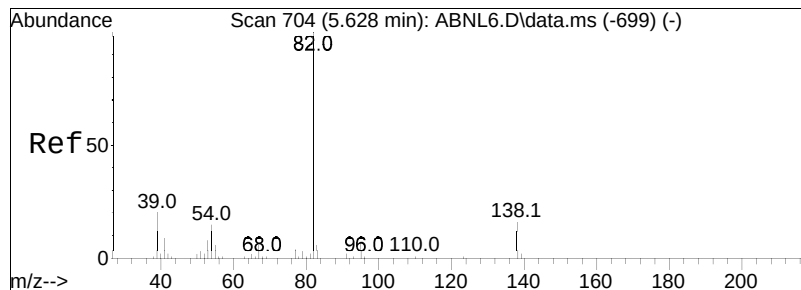
Ion Ratio Lower Upper

77 100

123 45.9 37.3 55.9

65 13.9 10.9 16.3





#21

Isophorone

Concen: 3.90 ug/ml

RT: 5.296 min Scan# 656

Delta R.T. 0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm

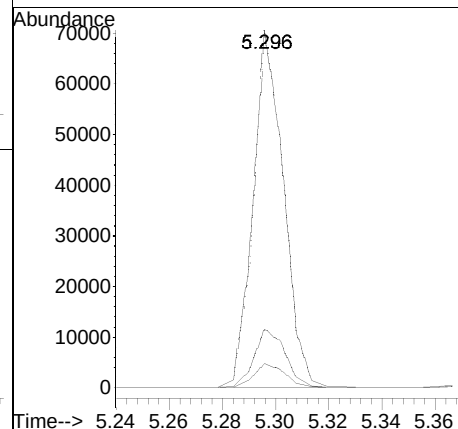
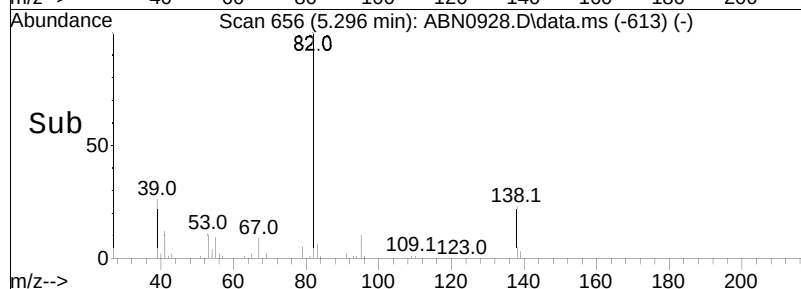
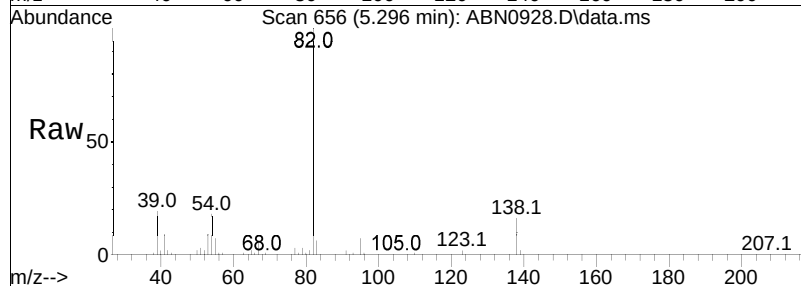
Tgt Ion: 82 Resp: 55232

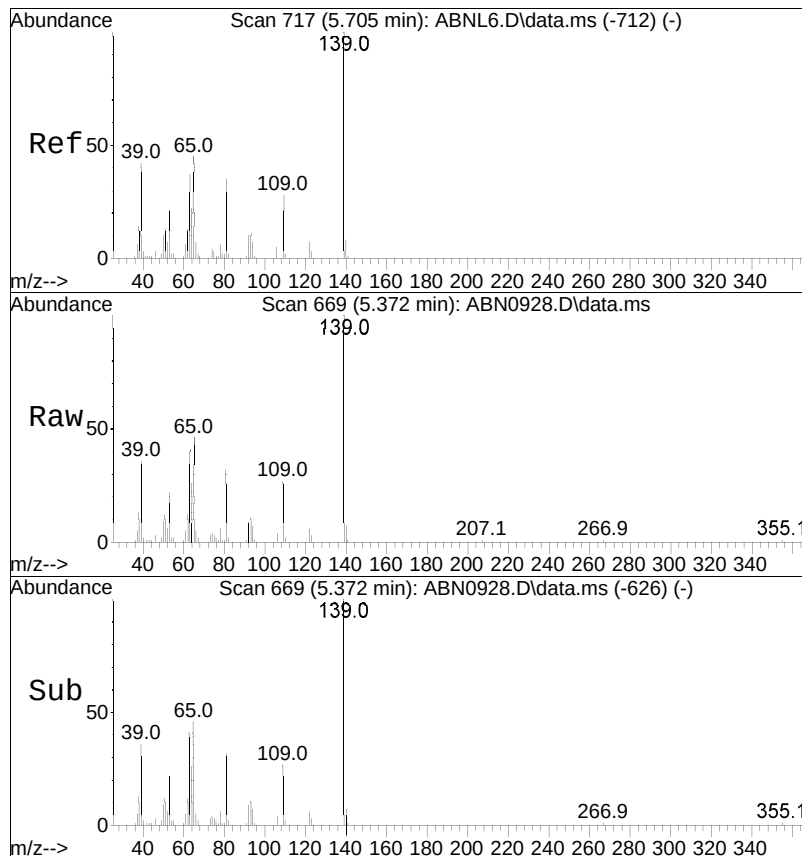
Ion Ratio Lower Upper

82 100

138 16.8 13.0 19.4

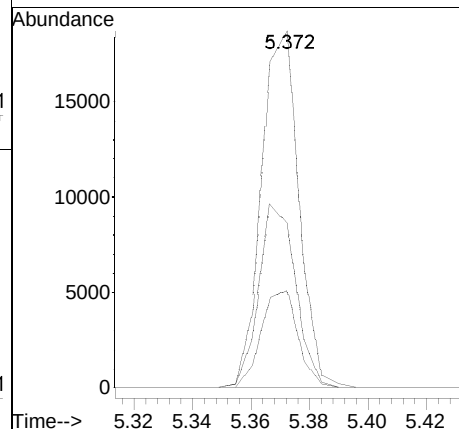
95 6.9 5.5 8.3

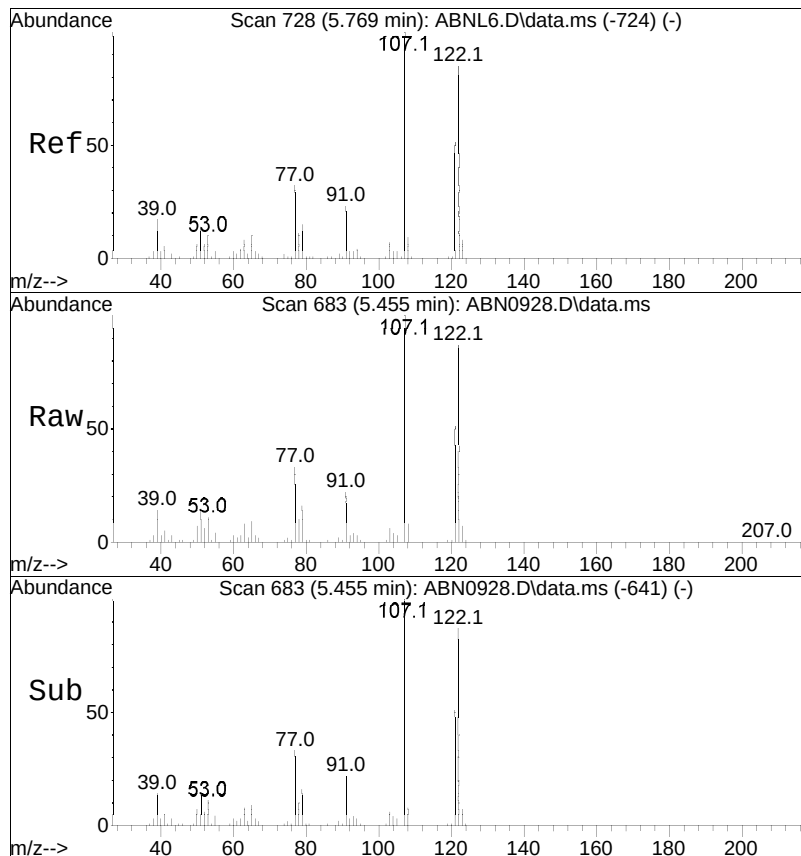




#22
 2-Nitrophenol
 Concen: 4.38 ug/ml
 RT: 5.372 min Scan# 669
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

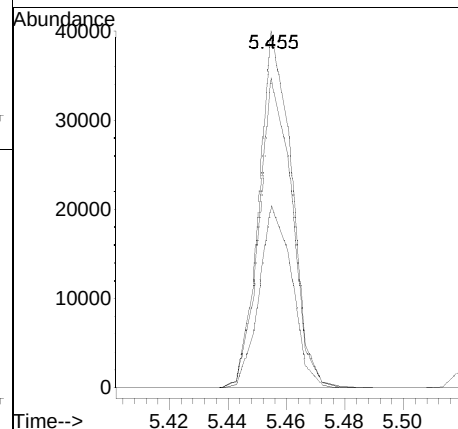
Tgt Ion:	139	Resp:	16531
Ion Ratio	Lower	Upper	
139	100		
109	26.9	23.1	34.7
65	50.7	41.4	62.2

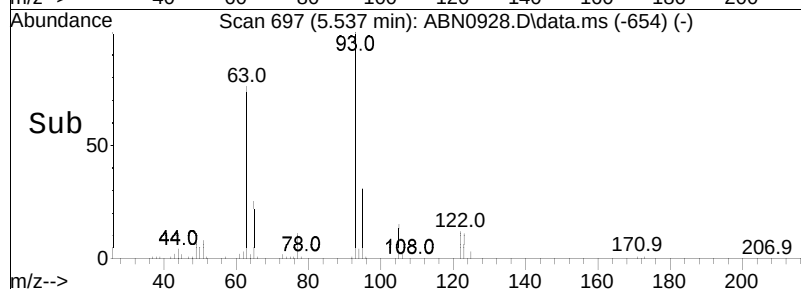
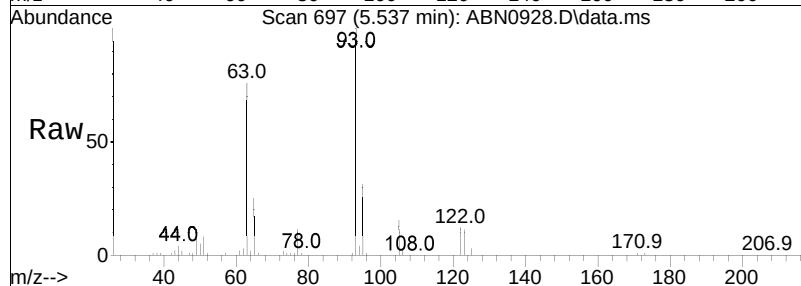
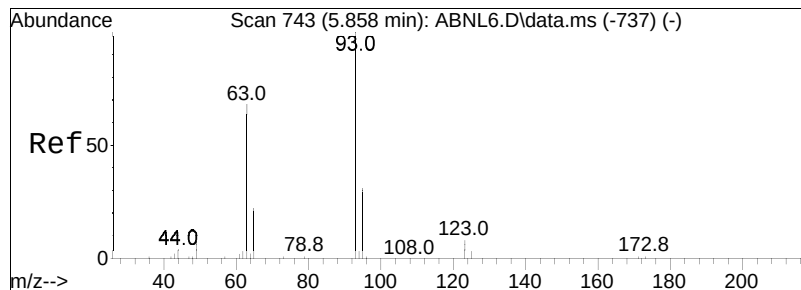




#23
 2,4-Dimethylphenol
 Concen: 4.09 ug/ml
 RT: 5.455 min Scan# 683
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

Tgt Ion	Ratio	Lower	Upper
107	100		
121	51.9	41.3	61.9
122	88.1	69.3	103.9





#24

Bis(2-chloroethoxy)methane

Concen: 4.21 ug/ml

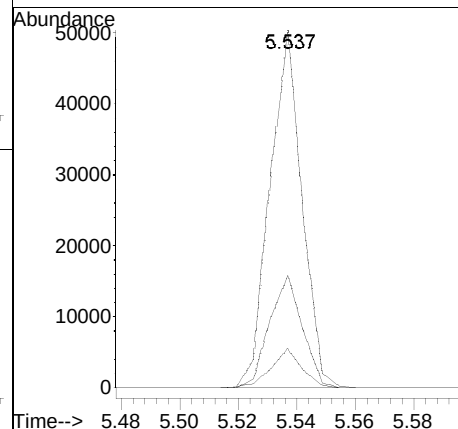
RT: 5.537 min Scan# 697

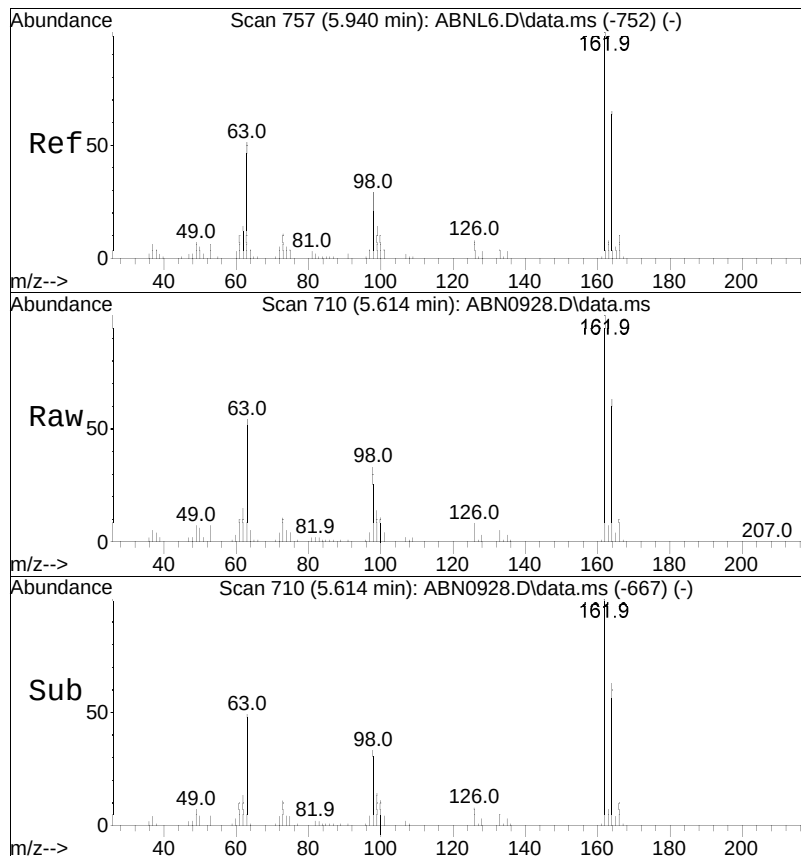
Delta R.T. 0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm

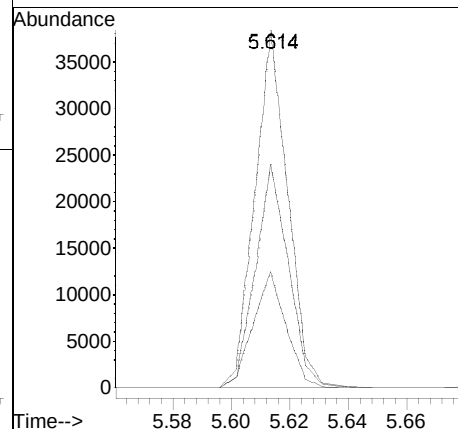
Tgt Ion:	93	Resp:	37855
Ion Ratio	Lower	Upper	
93	100		
95	32.4	25.8	38.8
123	10.6	9.6	14.4

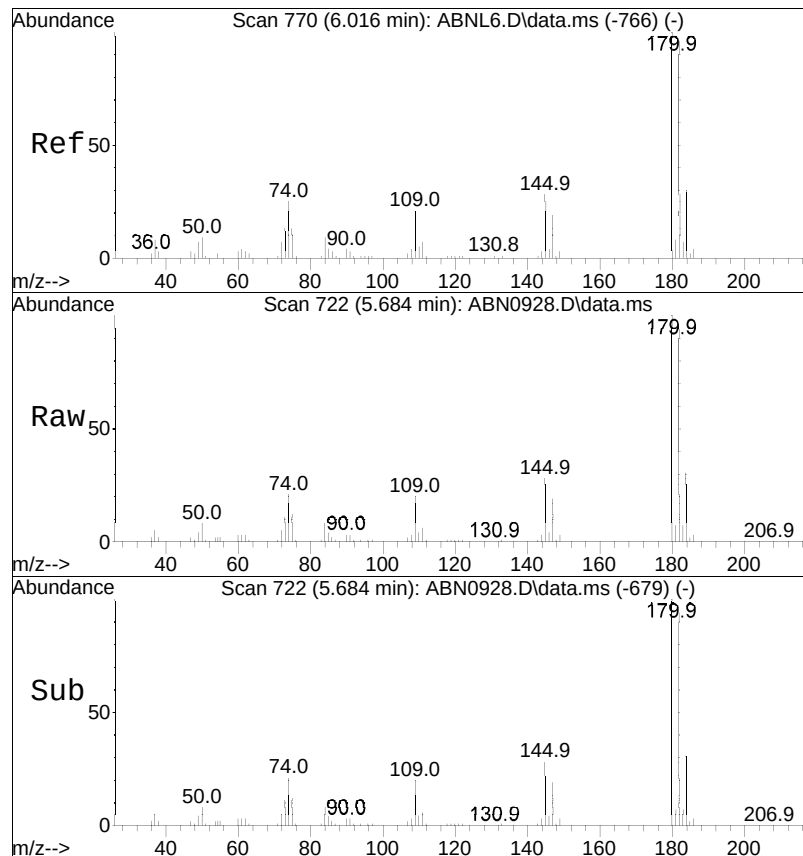




#25
 2,4-Dichlorophenol
 Concen: 4.47 ug/ml
 RT: 5.614 min Scan# 710
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

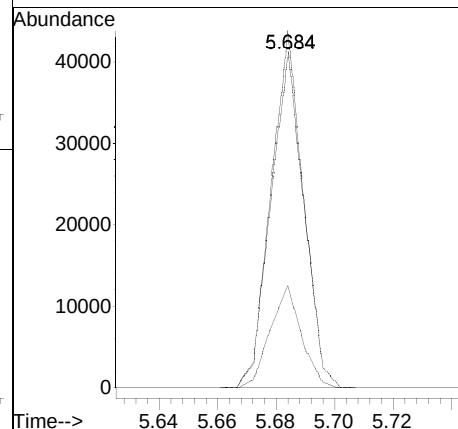
Tgt	Ion:162	Resp:	29646
Ion	Ratio	Lower	Upper
162	100		
164	62.9	51.1	76.7
98	32.8	32.2	48.2

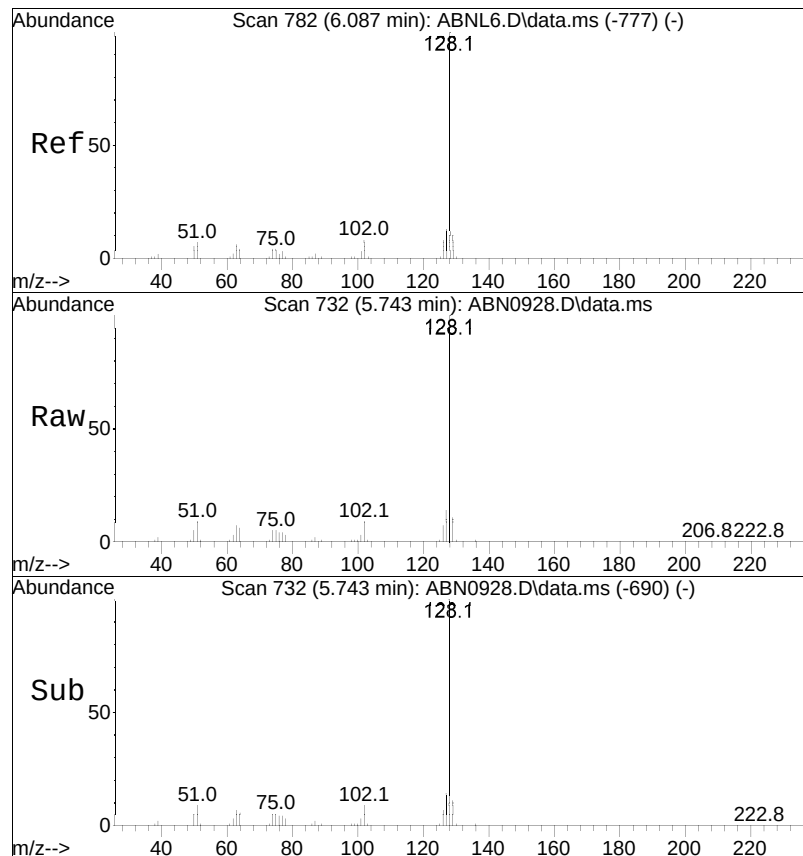




#26
 1,2,4-Trichlorobenzene
 Concen: 4.39 ug/ml
 RT: 5.684 min Scan# 722
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

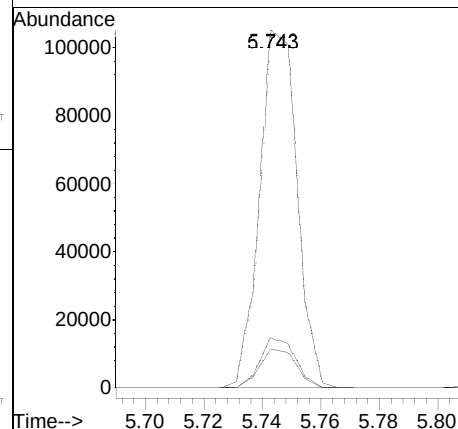
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.8
145	27.7	26.3	39.5

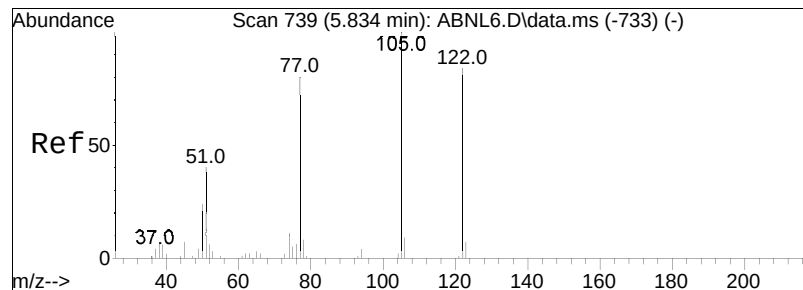




#36
 Naphthalene
 Concen: 4.61 ug/ml
 RT: 5.743 min Scan# 732
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	92572		
129	10.9		8.9	13.3
127	13.5		10.6	15.8





#37

Benzoic Acid

Concen: 3.08 ug/ml

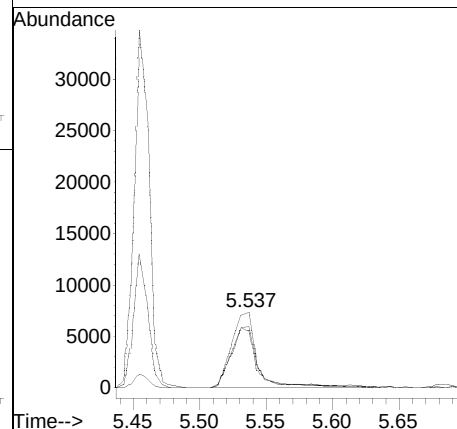
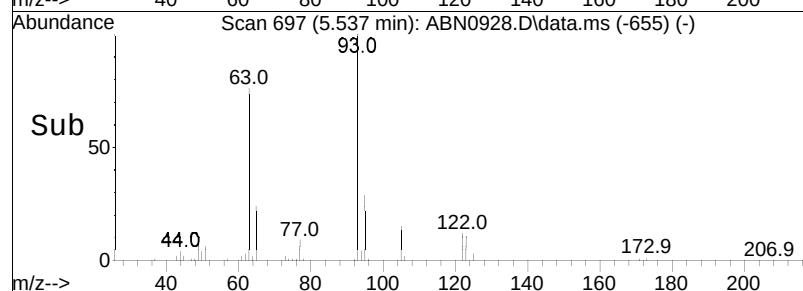
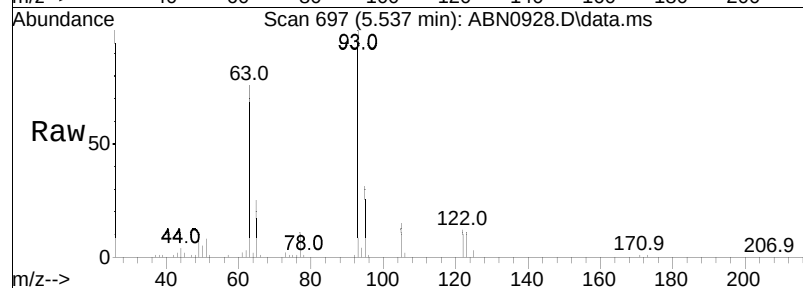
RT: 5.537 min Scan# 697

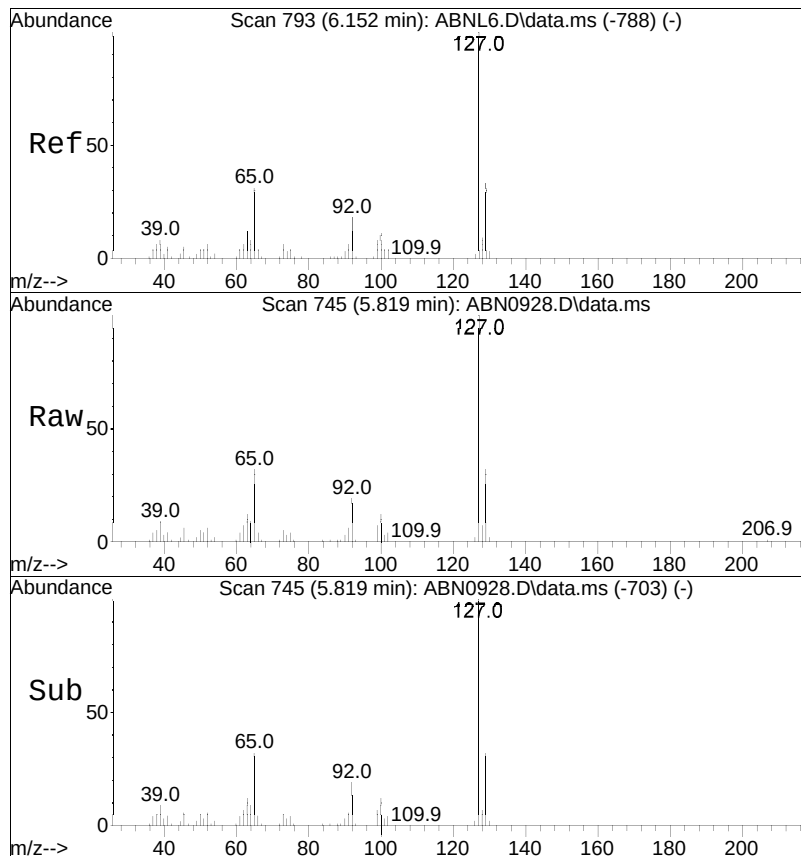
Delta R.T. -0.006 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm

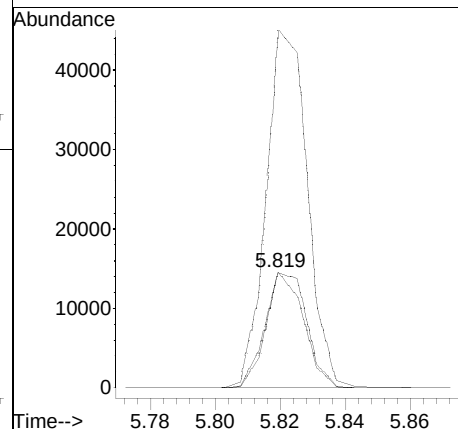
Tgt Ion:	105	Resp:	10098
Ion Ratio	Lower	Upper	
105	100		
122	77.5	62.6	93.8
77	76.9	59.1	88.7

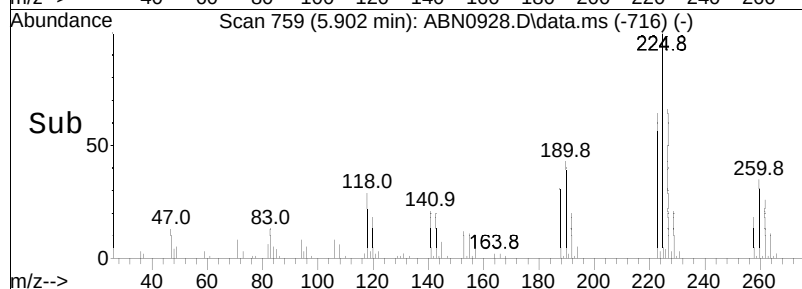
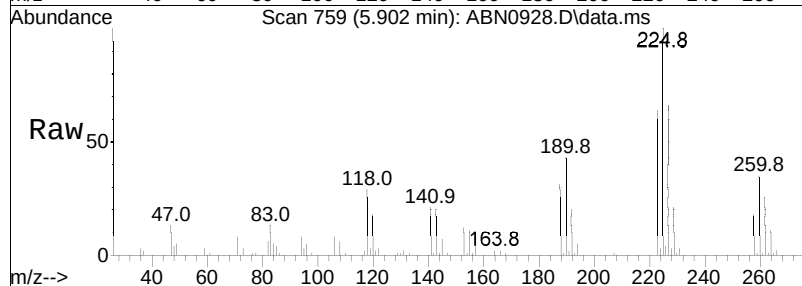
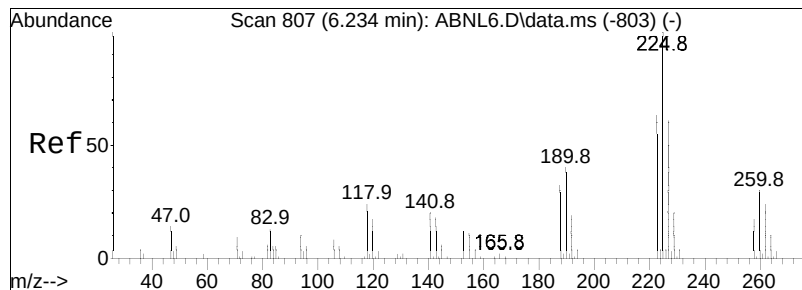




#38
 4-Chloroaniline
 Concen: 4.40 ug/ml
 RT: 5.819 min Scan# 745
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

Tgt Ion	Ratio	Lower	Upper
65	100		
127	328.7	266.2	399.4
129	104.9	85.0	127.4





#39

Hexachlorobutadiene

Concen: 4.58 ug/ml

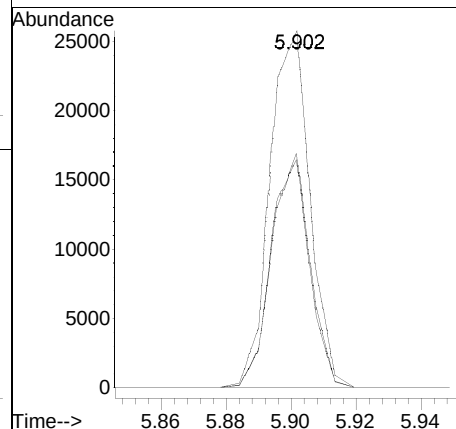
RT: 5.902 min Scan# 759

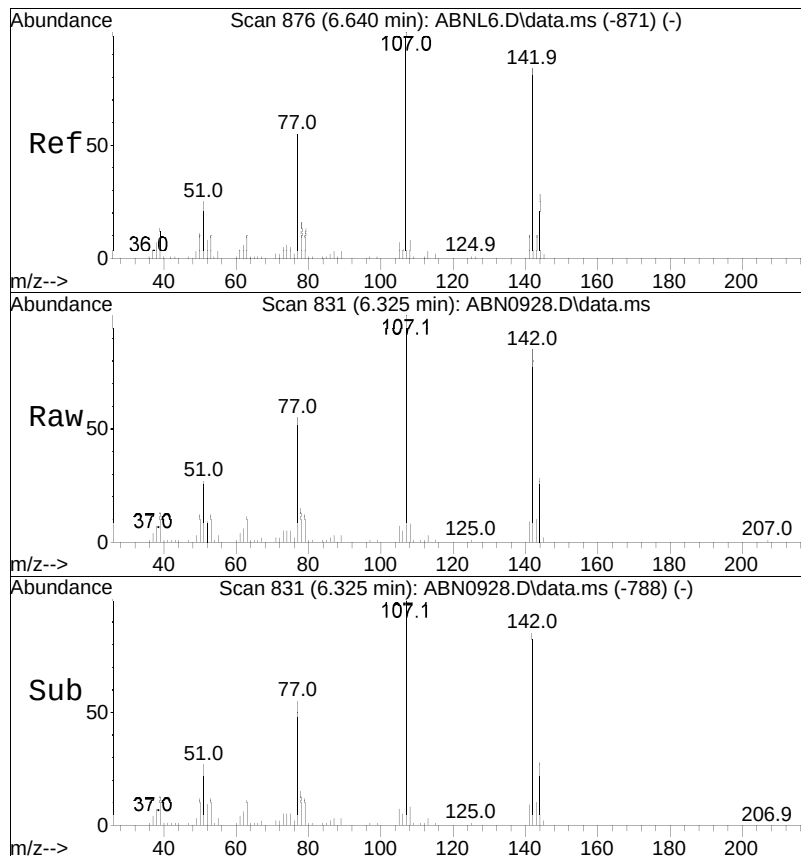
Delta R.T. 0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm

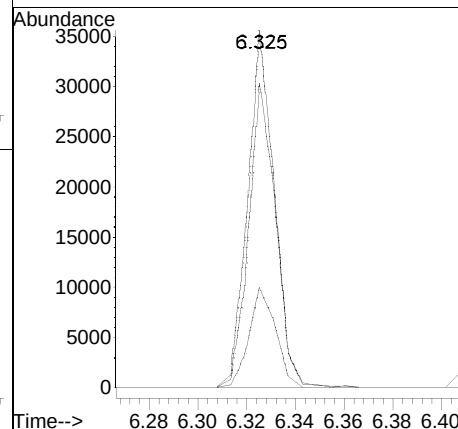
Tgt Ion:	225	Resp:	21908
Ion Ratio	Lower	Upper	
225	100		
223	61.9	50.5	75.7
227	62.9	50.4	75.6

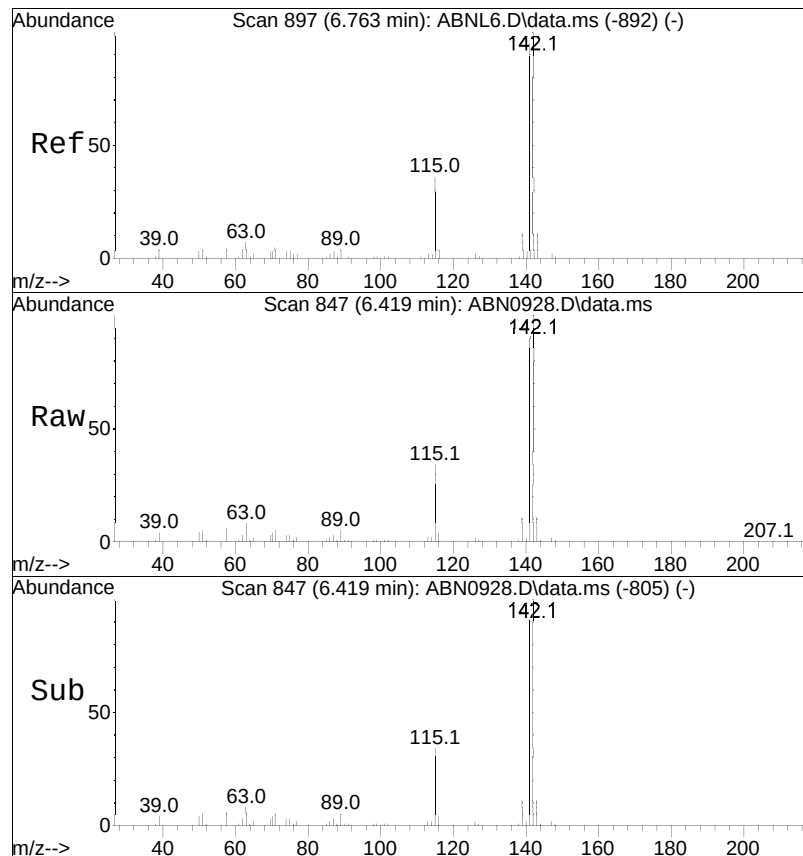




#40
 p-Chloro-m-cresol
 Concen: 4.30 ug/ml
 RT: 6.325 min Scan# 831
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

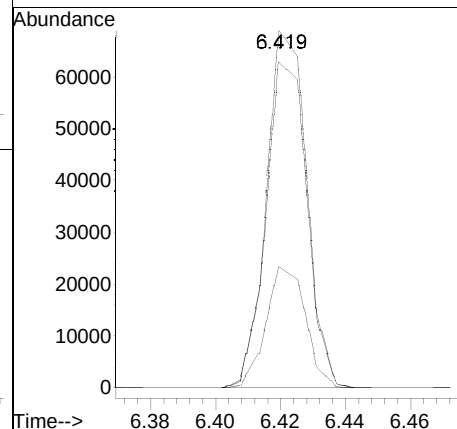
Tgt Ion:	107	Resp:	26705
Ion Ratio	Lower	Upper	
107	100		
144	28.1	20.3	30.5
142	85.9	63.8	95.6

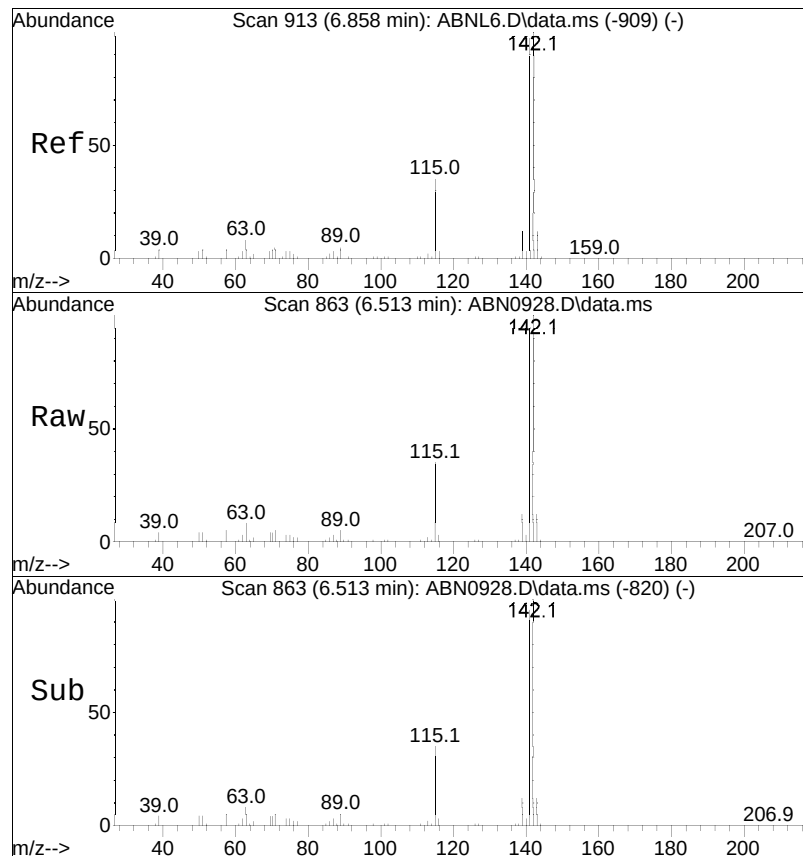




#41
 2-Methylnaphthalene
 Concen: 4.66 ug/ml
 RT: 6.419 min Scan# 847
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

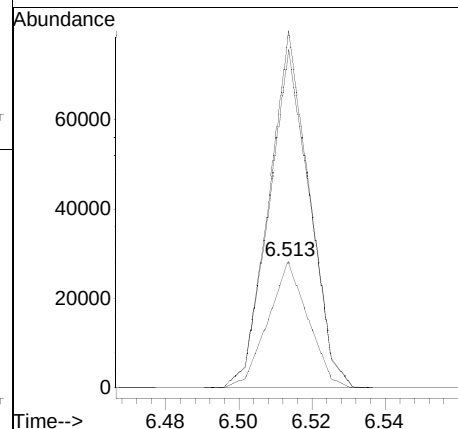
Tgt Ion:	142	Resp:	59359
Ion Ratio	Lower	Upper	
142	100		
141	92.7	72.2	108.4
115	33.4	27.8	41.6

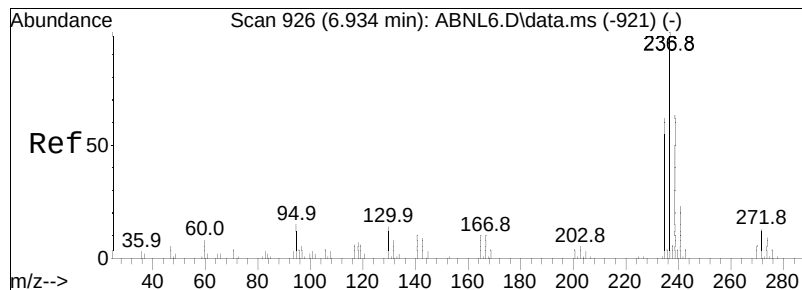




#42
 1-Methylnaphthalene
 Concen: 4.24 ug/ml
 RT: 6.513 min Scan# 863
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

Tgt Ion:	115	Resp:	21581
Ion Ratio	Lower	Upper	
115	100		
141	270.7	205.4	308.2
142	282.5	220.2	330.4





#43

Hexachlorocyclopentadiene

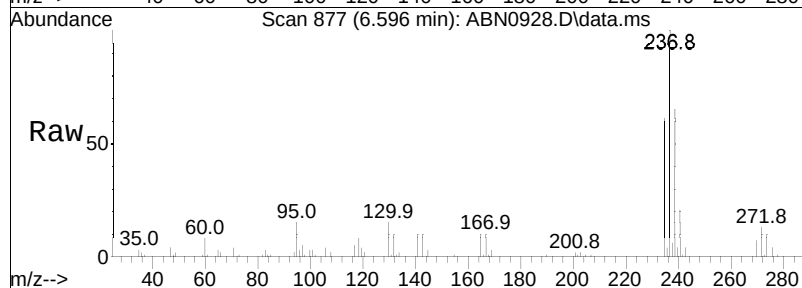
Concen: 4.52 ug/ml

RT: 6.596 min Scan# 877

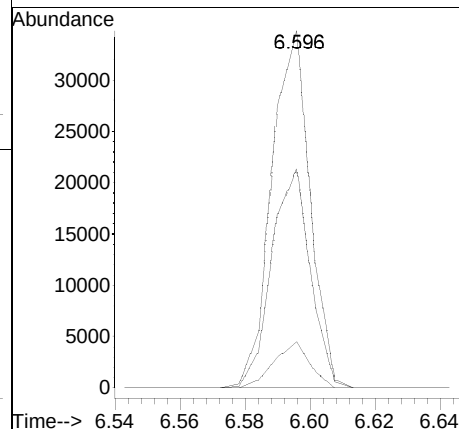
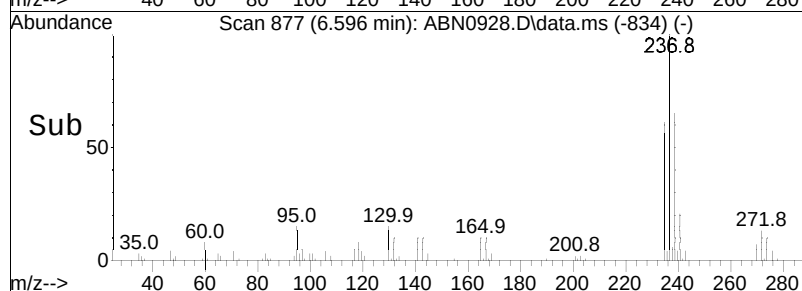
Delta R.T. 0.000 min

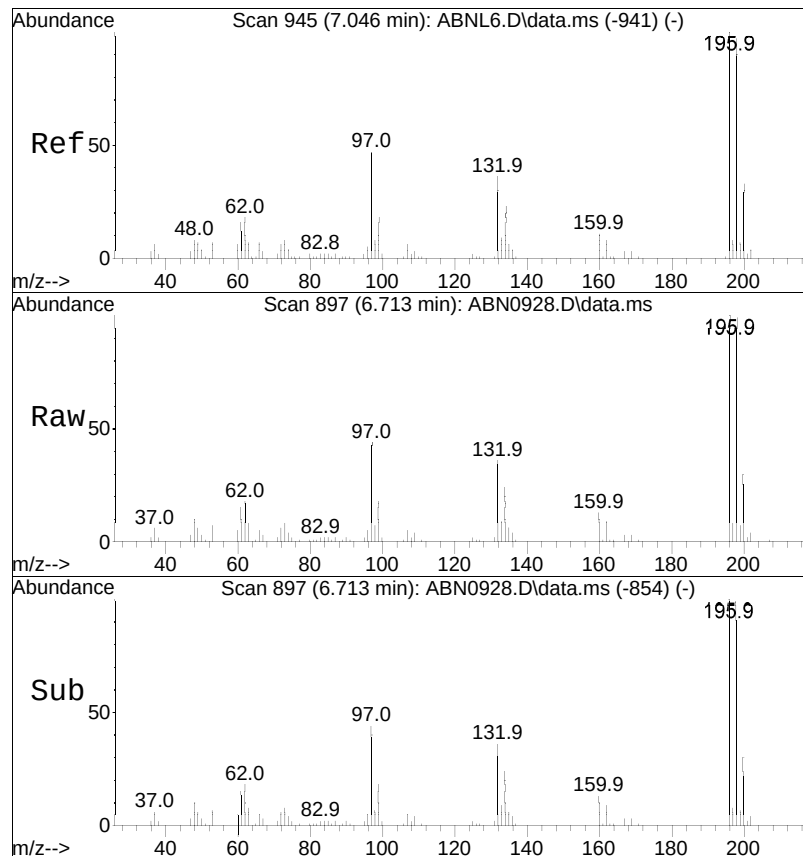
Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm



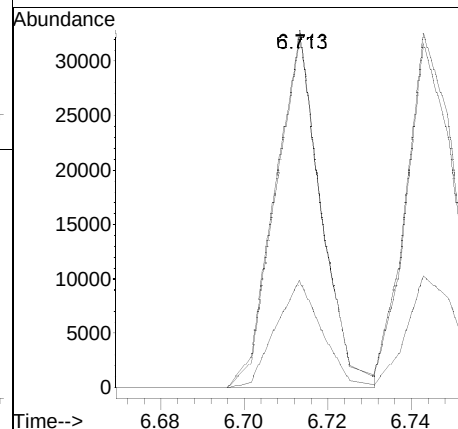
Tgt Ion:	237	Resp:	28427
Ion Ratio	Lower	Upper	
237	100		
235	62.0	50.9	76.3
272	12.1	10.1	15.1

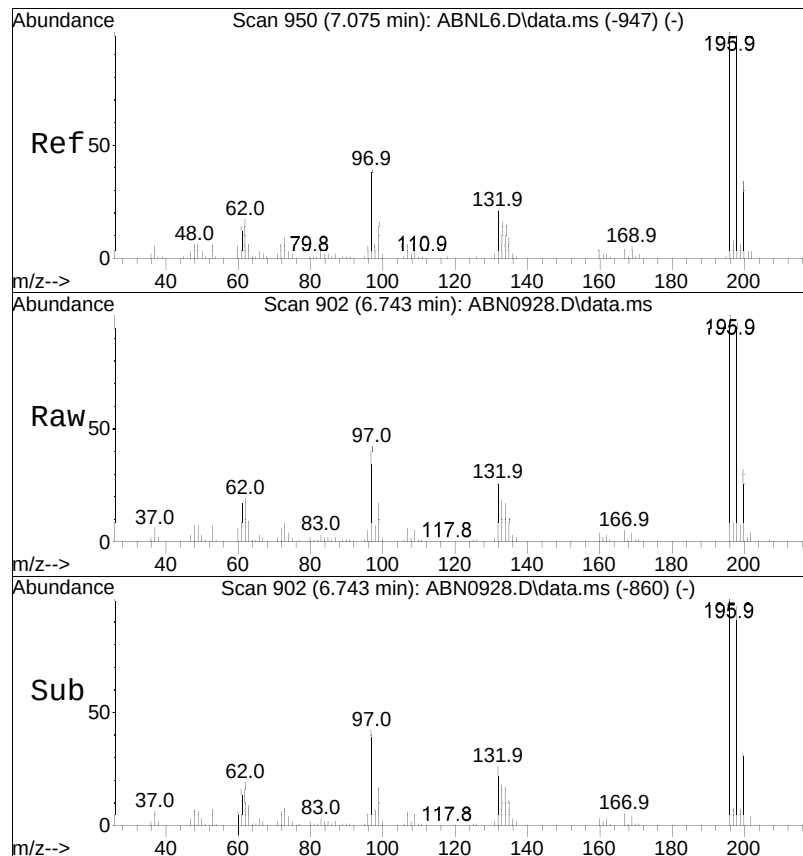




#44
 2,4,6-Trichlorophenol
 Concen: 4.24 ug/ml
 RT: 6.713 min Scan# 897
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

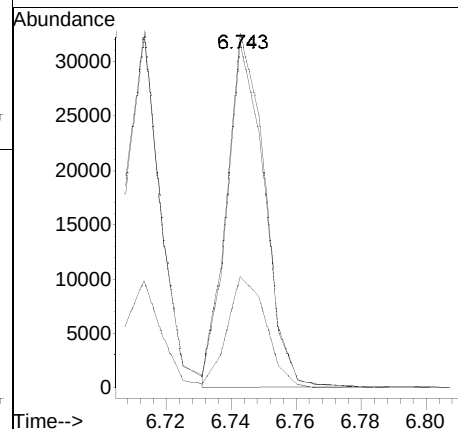
Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.2	76.4	114.6
200	30.5	24.4	36.6

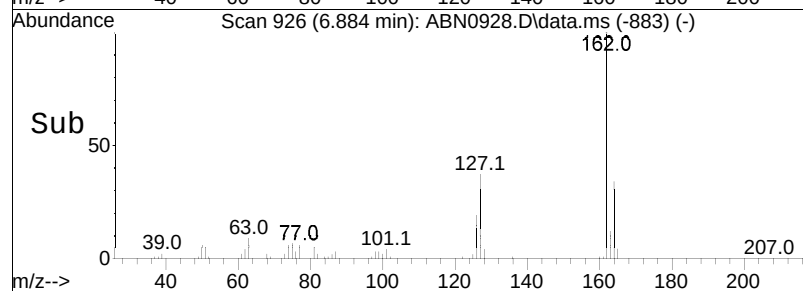
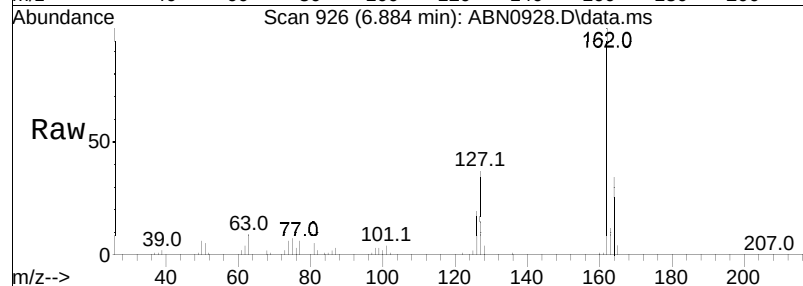
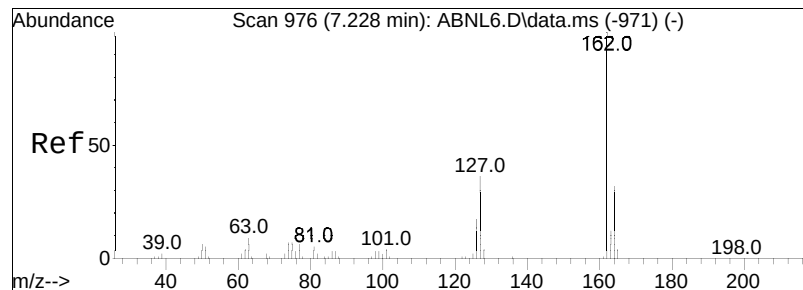




#45
 2,4,5-Trichlorophenol
 Concen: 4.24 ug/ml
 RT: 6.743 min Scan# 902
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

Tgt Ion:	196	Resp:	26306
Ion Ratio	Lower	Upper	
196	100		
200	32.1	24.2	36.4
198	96.8	76.2	114.2





#47

2-Chloronaphthalene

Concen: 4.55 ug/ml

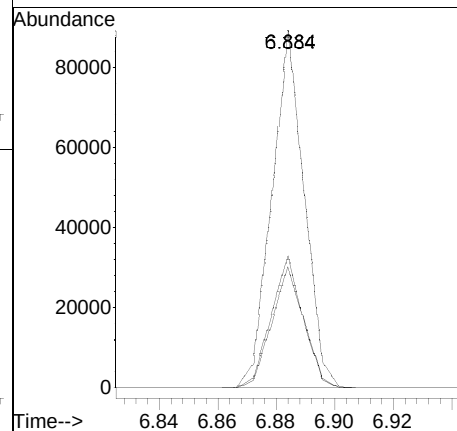
RT: 6.884 min Scan# 926

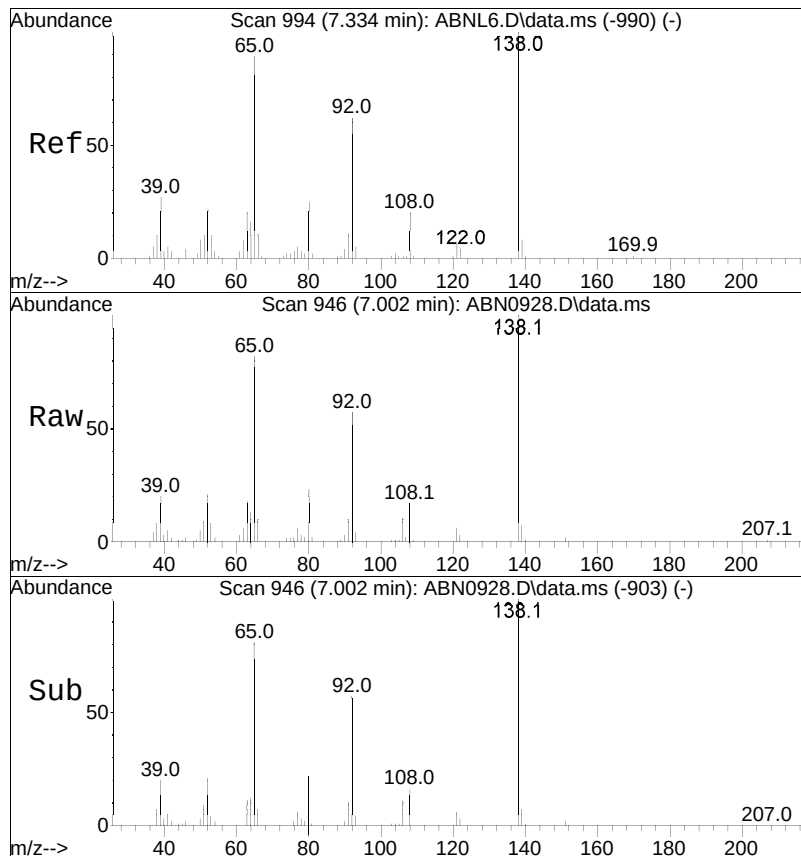
Delta R.T. 0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm

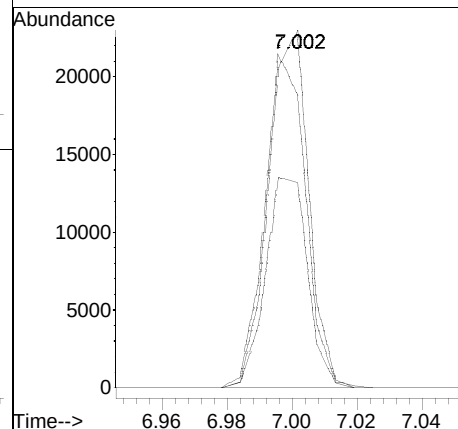
Tgt Ion:	162	Resp:	67607
Ion Ratio	Lower	Upper	
162	100		
127	36.7	33.8	50.6
164	34.3	25.8	38.6

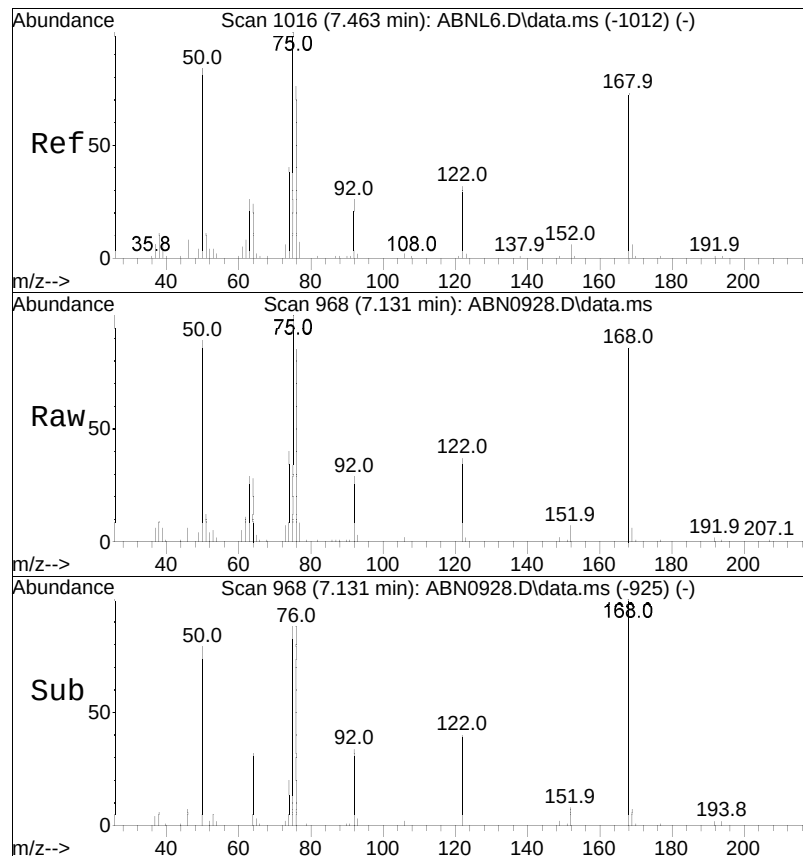




#48
 2-Nitroaniline
 Concen: 4.04 ug/ml
 RT: 7.002 min Scan# 946
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

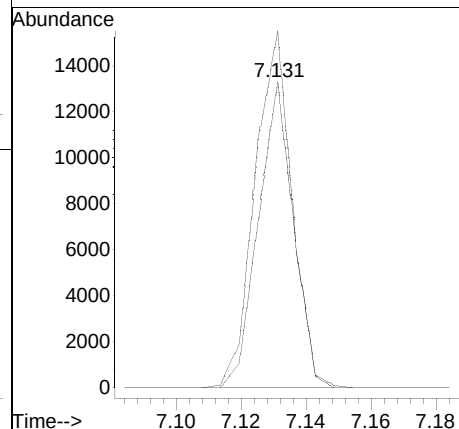
Tgt Ion:	138	Resp:	19584
Ion Ratio	Lower	Upper	
138	100		
92	61.5	52.1	78.1
65	94.5	75.9	113.9

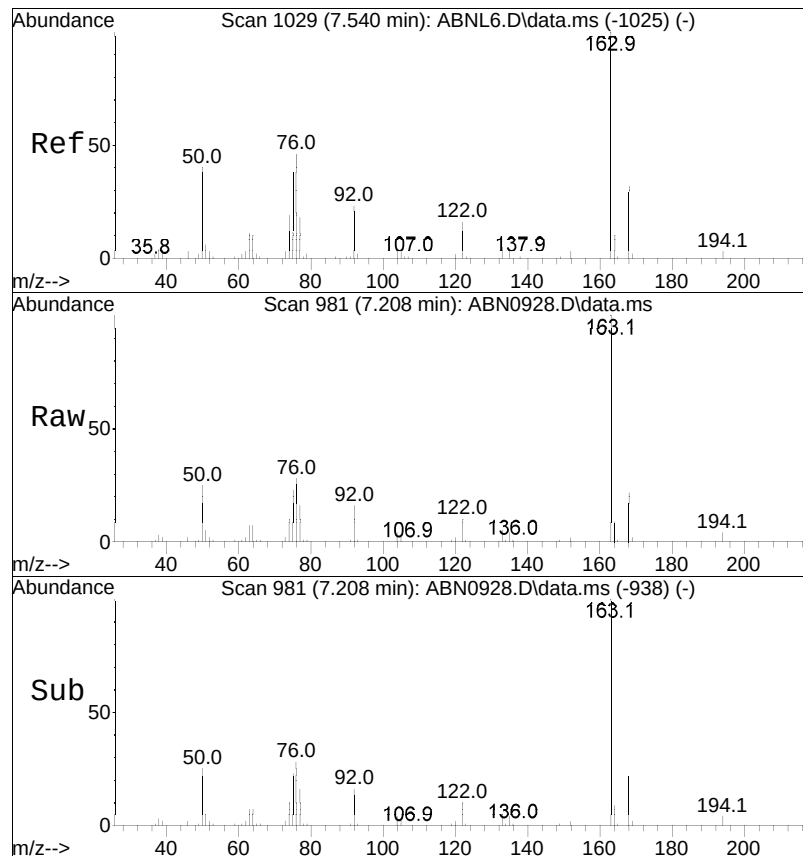




#49
 1,4-Dinitrobenzene
 Concen: 4.13 ug/ml
 RT: 7.131 min Scan# 968
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

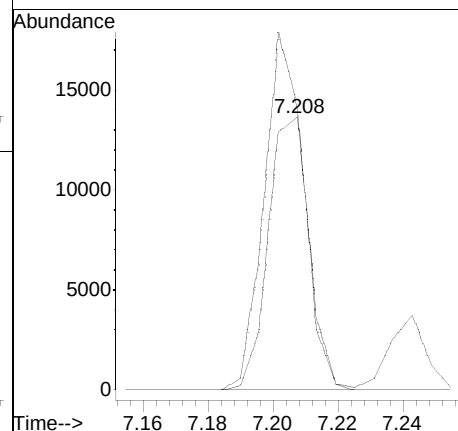
Tgt Ion:	168	Resp:	9997
Ion Ratio	Lower	Upper	
168	100		
75	122.2	111.0	166.4

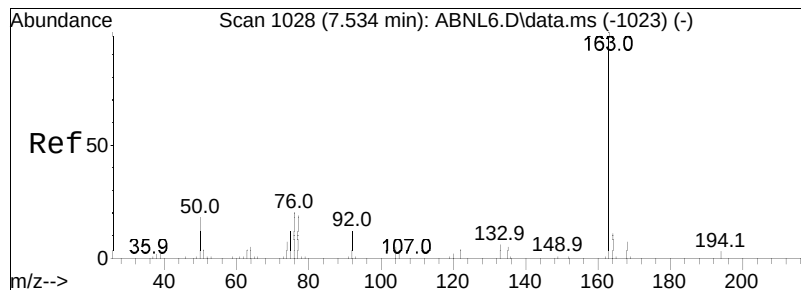




#50
 1,3-Dinitrobenzene
 Concen: 4.31 ug/ml
 RT: 7.208 min Scan# 981
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

Tgt Ion	Ratio	Lower	Upper
168	100		
75	126.3	116.4	174.6





#51

Dimethyl phthalate

Concen: 4.51 ug/ml

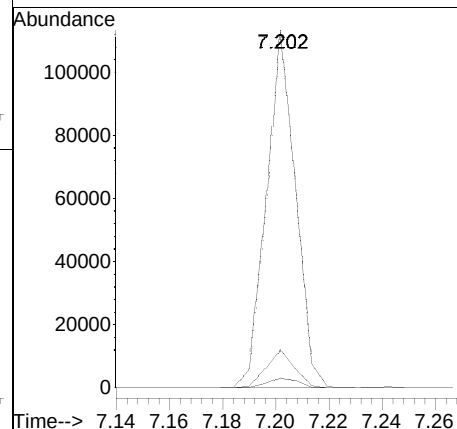
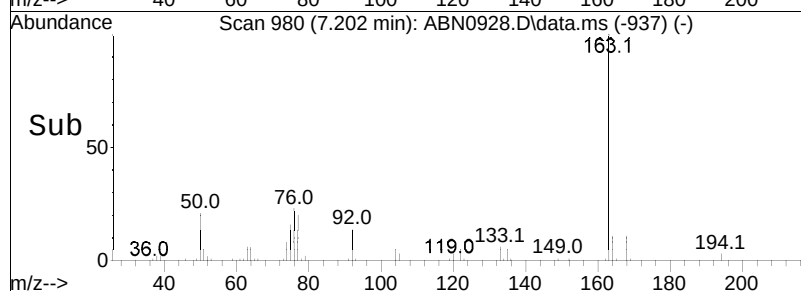
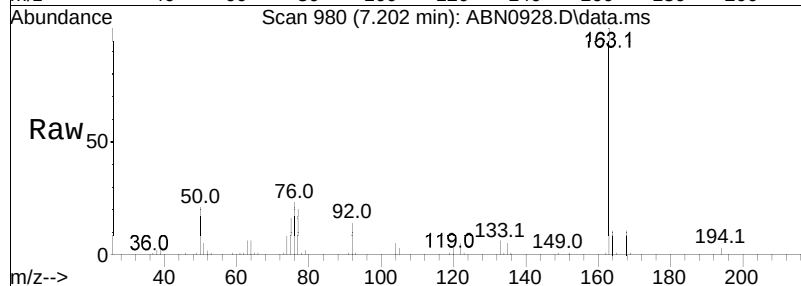
RT: 7.202 min Scan# 980

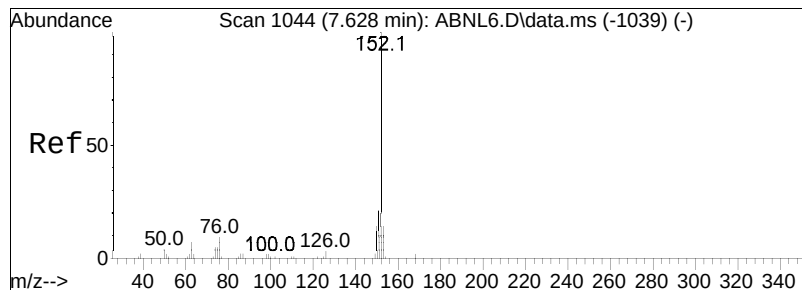
Delta R.T. 0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm

Tgt Ion:	163	Resp:	85010
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.3	3.5
164	10.4	8.2	12.2





#52

Acenaphthylene

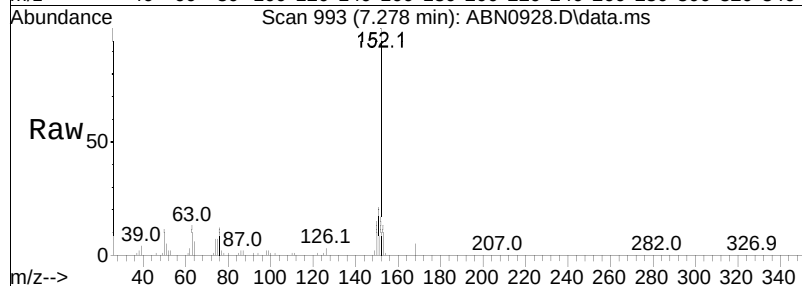
Concen: 4.64 ug/ml

RT: 7.278 min Scan# 993

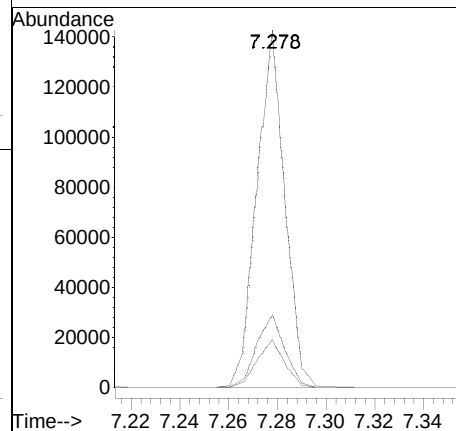
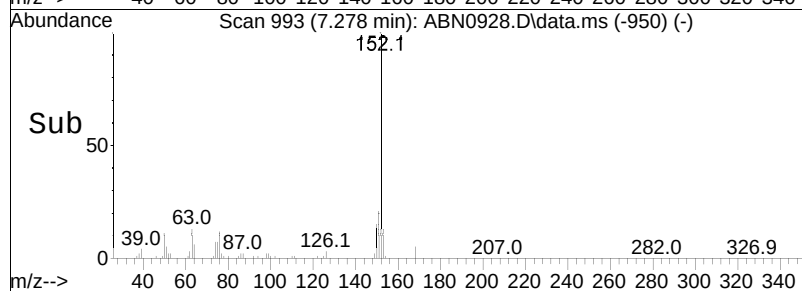
Delta R.T. 0.000 min

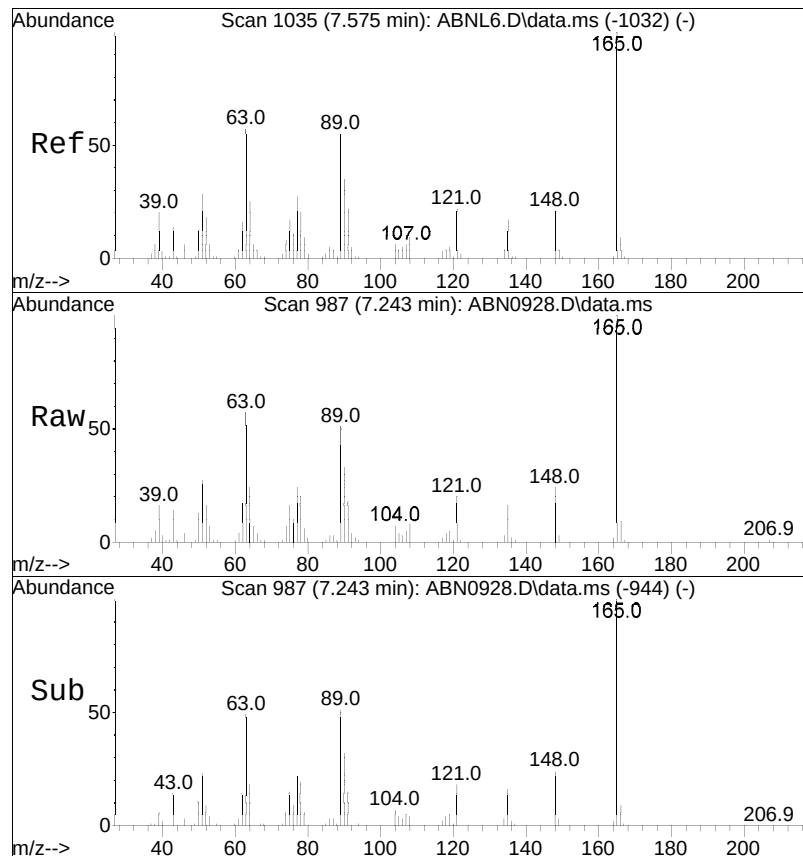
Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm



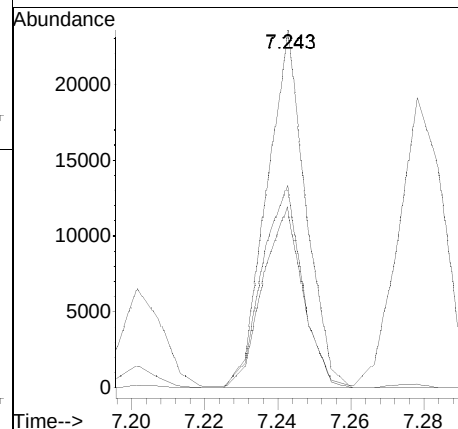
Tgt Ion:	152	Resp:	112318
Ion Ratio	Lower	Upper	
152	100		
151	20.7	15.9	23.9
153	13.2	10.5	15.7

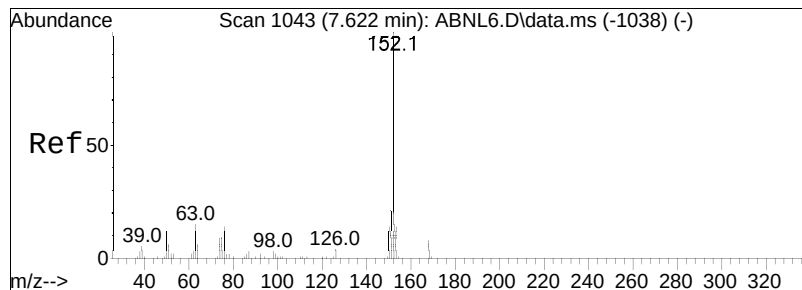




#53
 2,6-Dinitrotoluene
 Concen: 4.11 ug/ml
 RT: 7.243 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

Tgt Ion:	165	Resp:	17454
Ion Ratio	Lower	Upper	
165	100		
89	52.1	48.8	73.2
63	58.6	50.5	75.7





#54

1,2-Dinitrobenzene

Concen: 4.47 ug/ml

RT: 7.284 min Scan# 994

Delta R.T. 0.000 min

Lab File: ABN0928.D

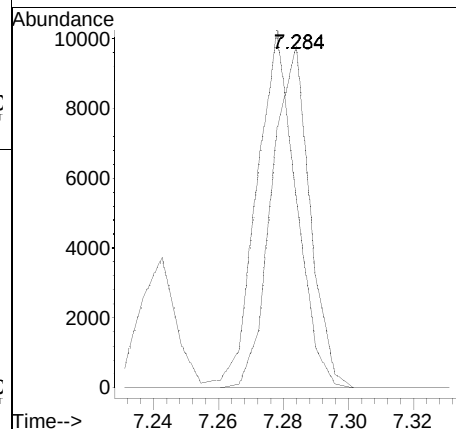
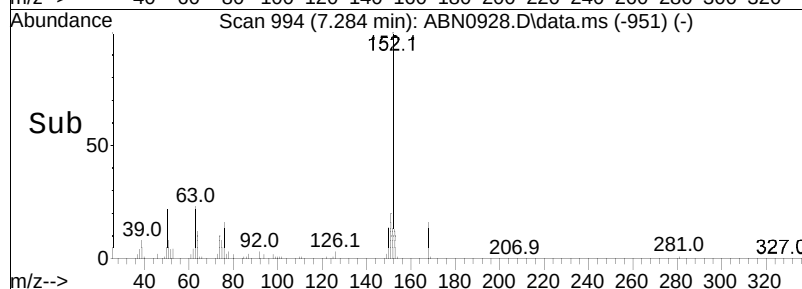
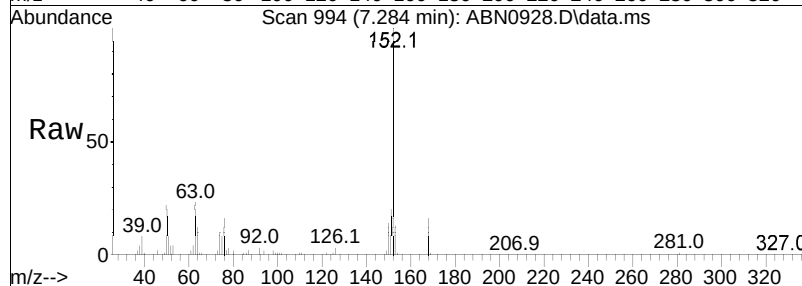
Acq: 28 Sep 2025 05:46 pm

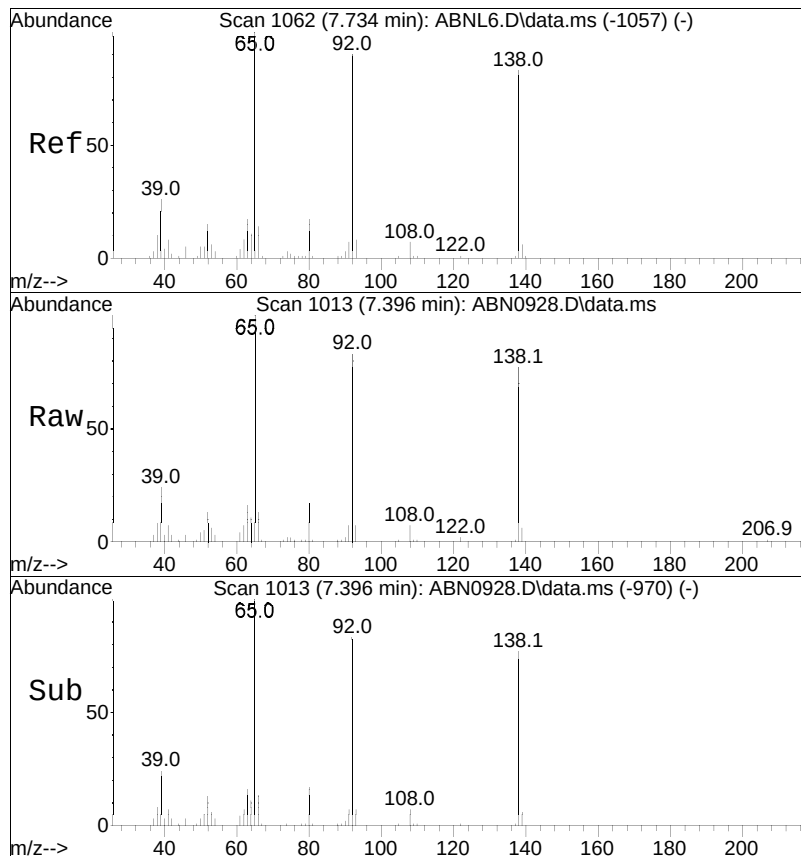
Tgt Ion:168 Resp: 7926

Ion Ratio Lower Upper

168 100

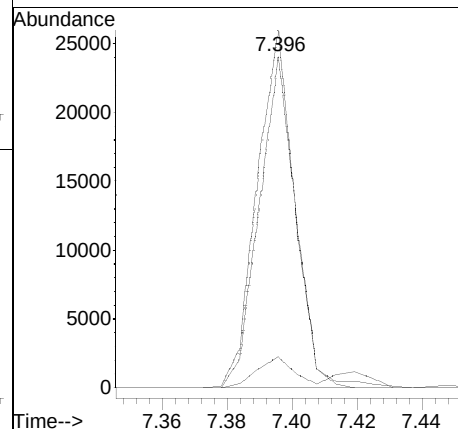
75 108.1 32.2 48.2#

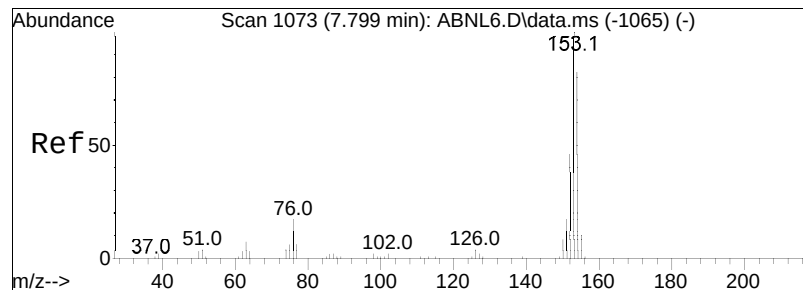




#64
 3-Nitroaniline
 Concen: 4.25 ug/ml
 RT: 7.396 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

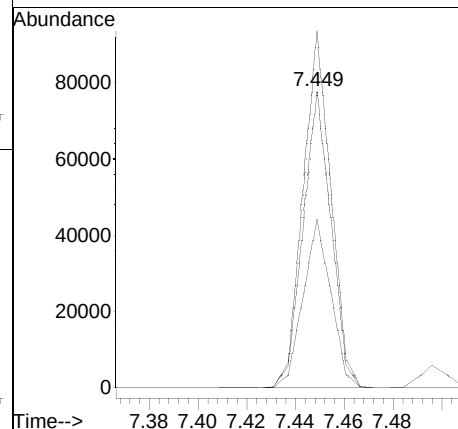
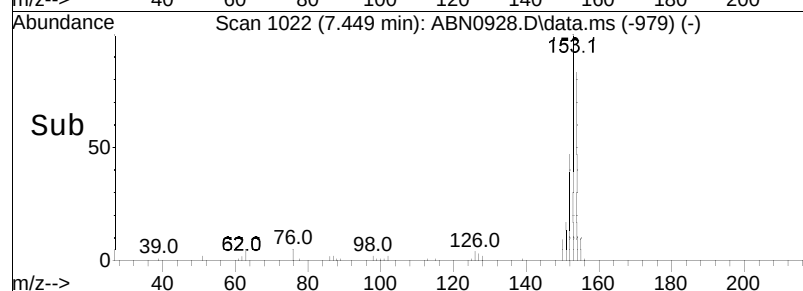
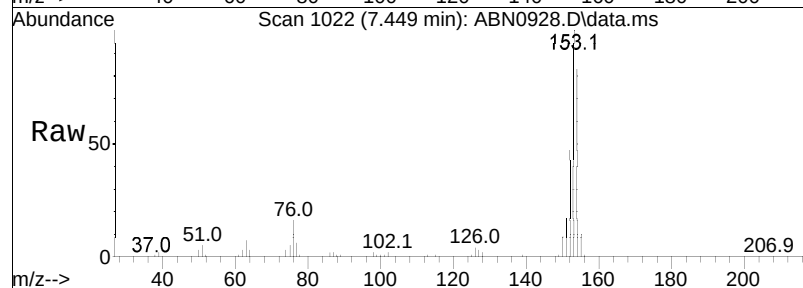
Tgt Ion:	138	Resp:	18479
Ion Ratio	Lower	Upper	
138	100		
92	112.6	92.8	139.2
108	10.0	7.9	11.9

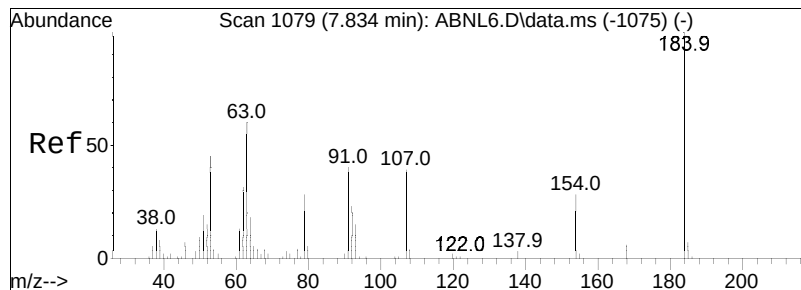




#65
 Acenaphthene
 Concen: 4.64 ug/ml
 RT: 7.449 min Scan# 1022
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

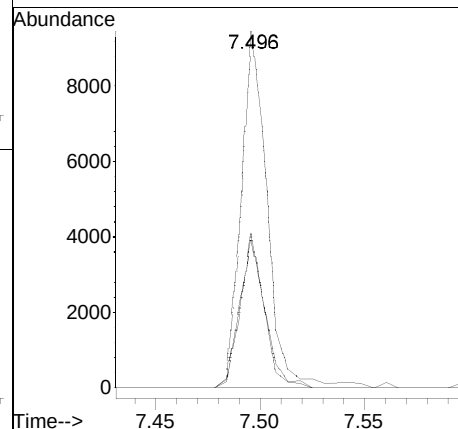
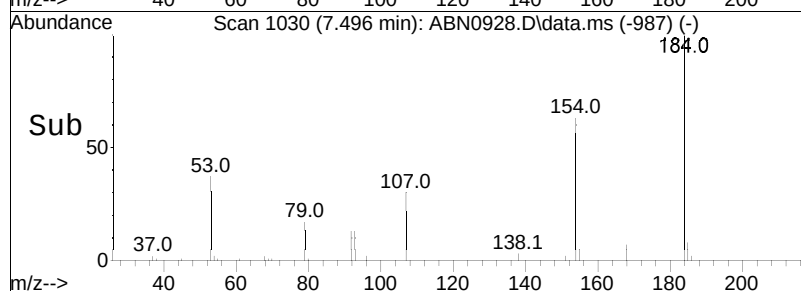
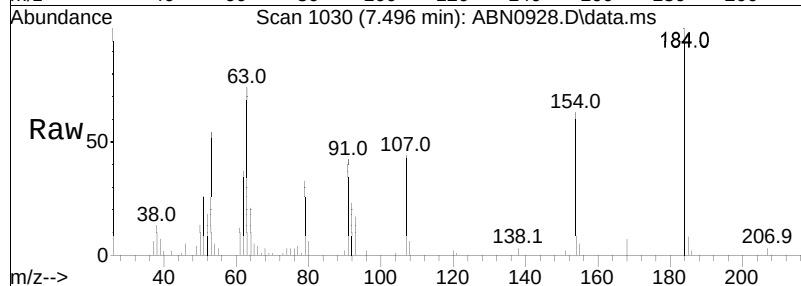
Tgt Ion	Ratio	Lower	Upper
154	100		
153	119.7	93.0	139.4
152	56.8	43.3	64.9

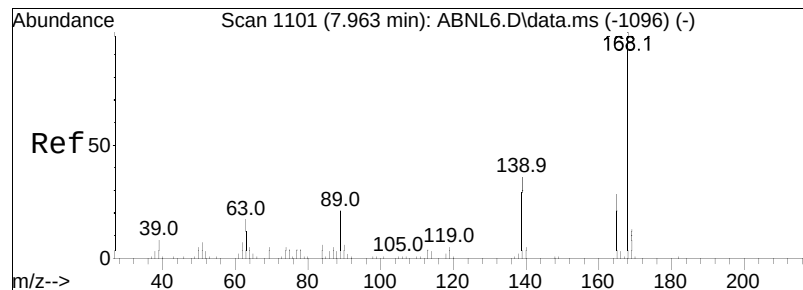




#66
 2,4-Dinitrophenol
 Concen: 3.85 ug/ml
 RT: 7.496 min Scan# 1030
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

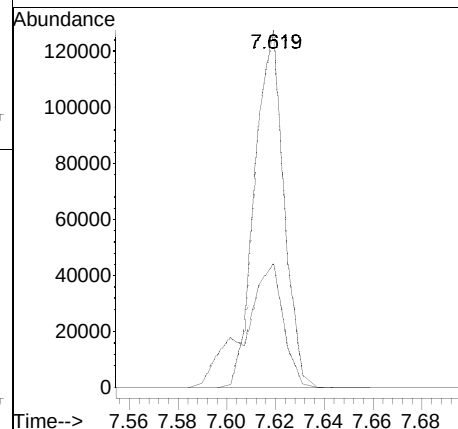
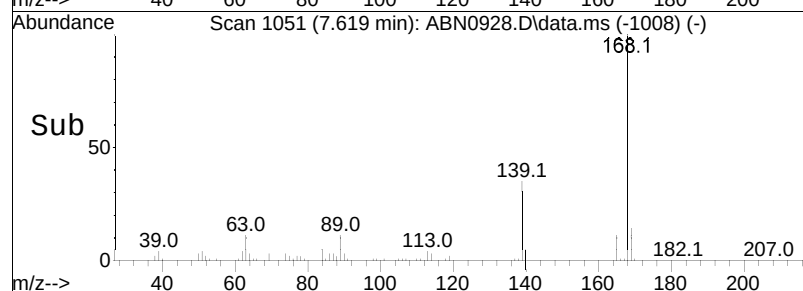
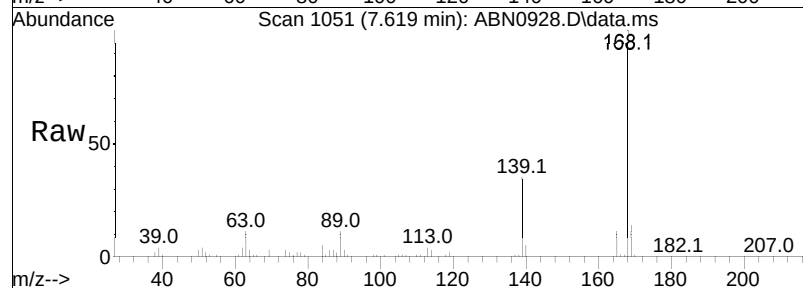
Tgt Ion	Ratio	Lower	Upper
184	100		
107	39.2	41.8	62.6#
91	40.6	44.2	66.2#

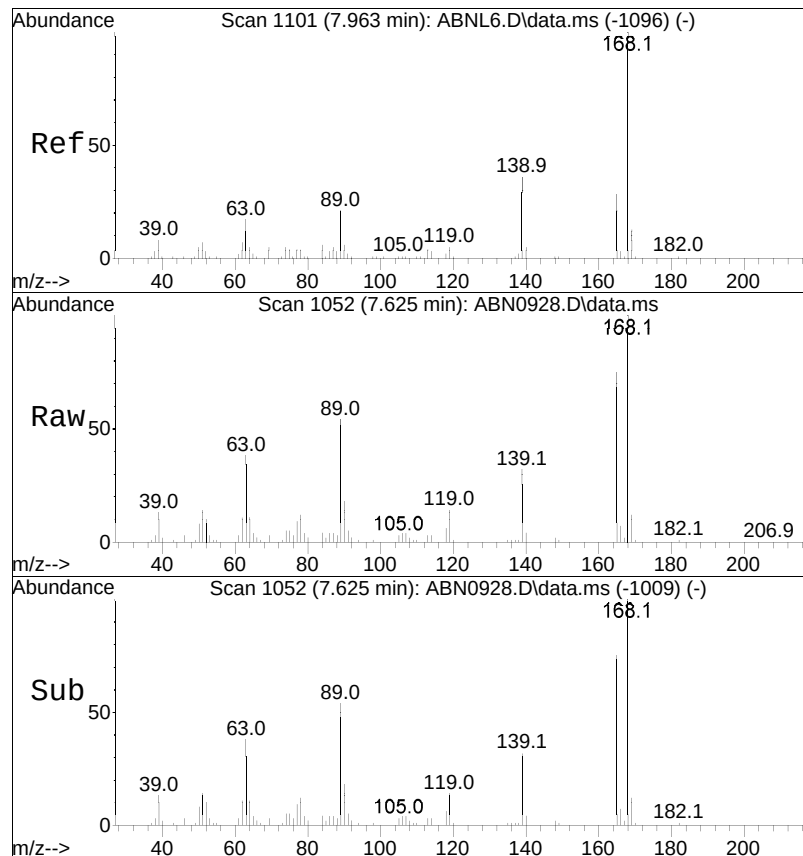




#67
 Dibenzofuran
 Concen: 4.73 ug/ml
 RT: 7.619 min Scan# 1051
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

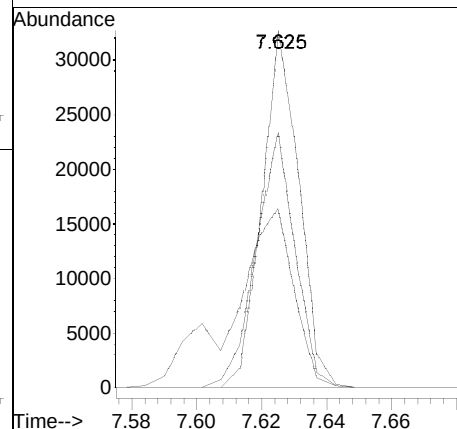
Tgt Ion	Ratio	Lower	Upper
168	100		
139	48.3	32.3	48.5

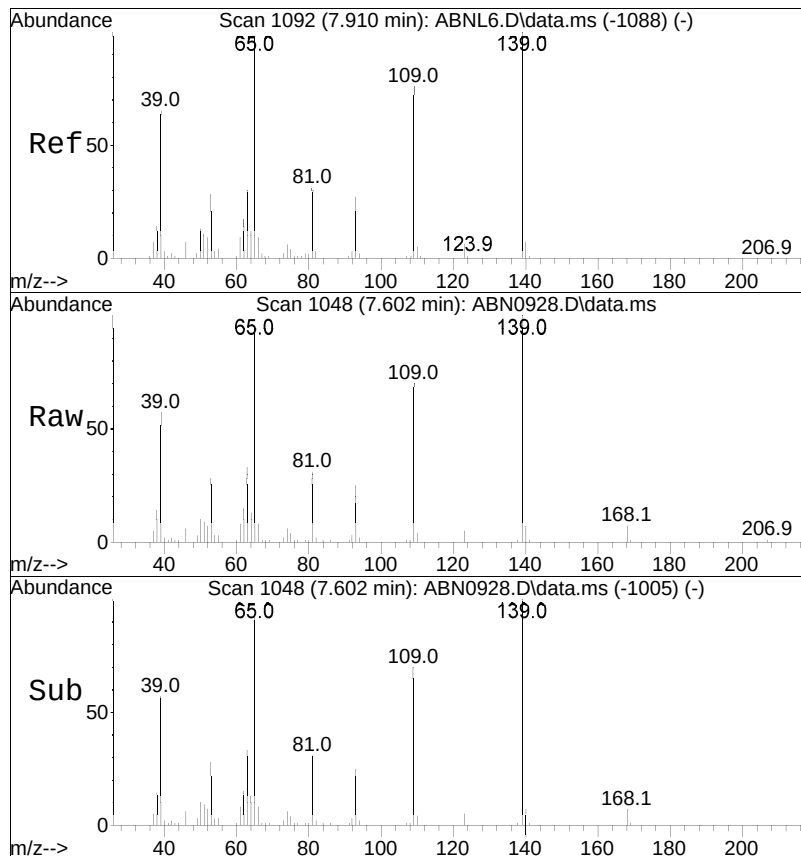




#68
 2,4-Dinitrotoluene
 Concen: 4.62 ug/ml
 RT: 7.625 min Scan# 1052
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

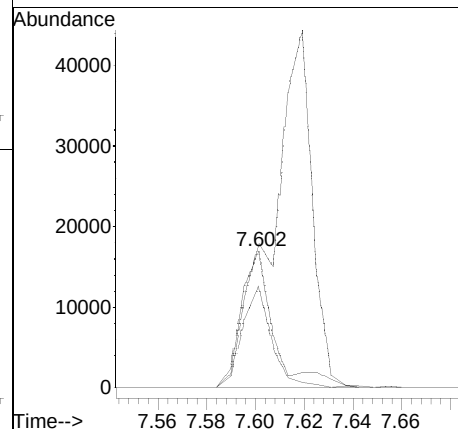
Tgt Ion:	165	Resp:	25520
Ion Ratio	Lower	Upper	
165	100		
89	76.1	73.0	109.4
63	83.9	56.3	84.5

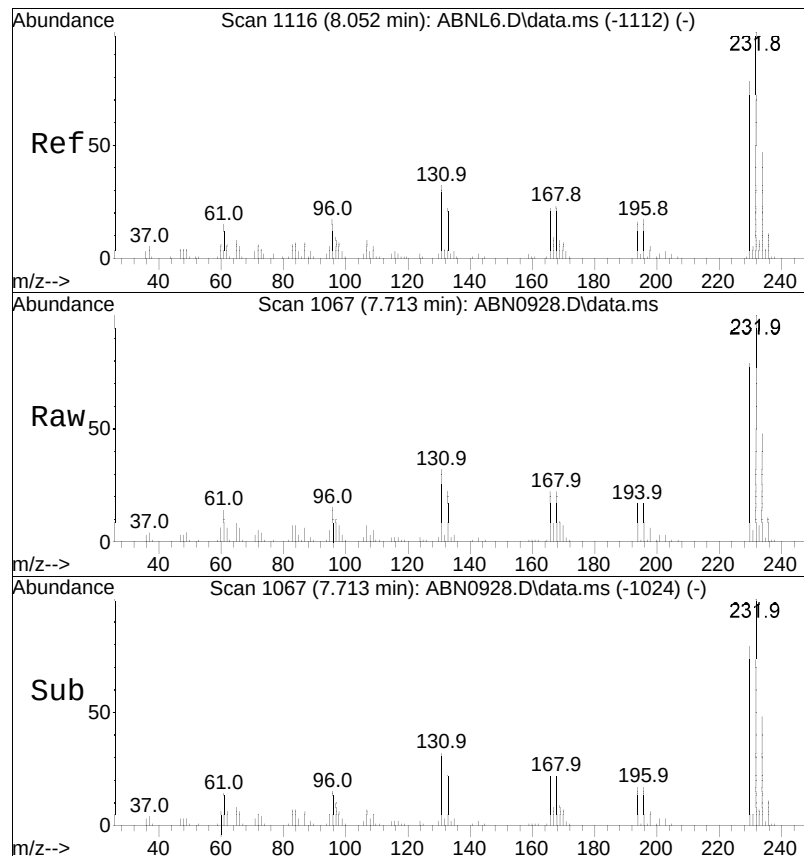




#69
 4-Nitrophenol
 Concen: 4.25 ug/ml
 RT: 7.602 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

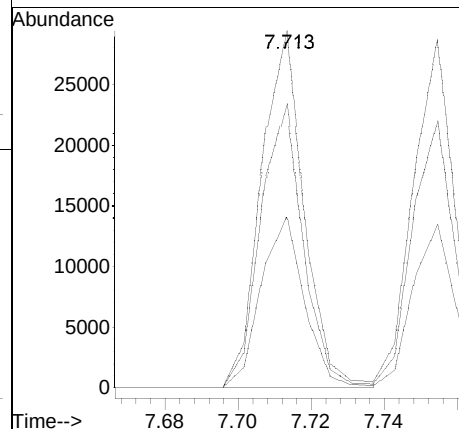
Tgt	Ion: 65	Resp:	15659
Ion	Ratio	Lower	Upper
65	100		
109	66.7	60.2	90.2
139	322.3	81.1	121.7#

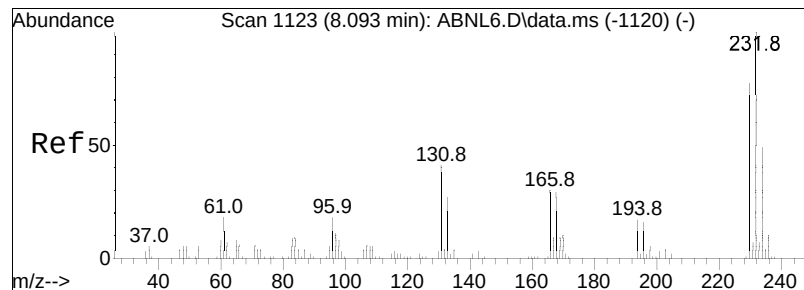




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 4.36 ug/ml
 RT: 7.713 min Scan# 1067
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

Tgt Ion:	232	Resp:	23992
Ion Ratio	Lower	Upper	
232	100		
230	79.1	63.8	95.8
234	48.5	38.3	57.5





#71

2,3,4,6-Tetrachlorophenol

Concen: 4.29 ug/ml

RT: 7.755 min Scan# 1074

Delta R.T. 0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm

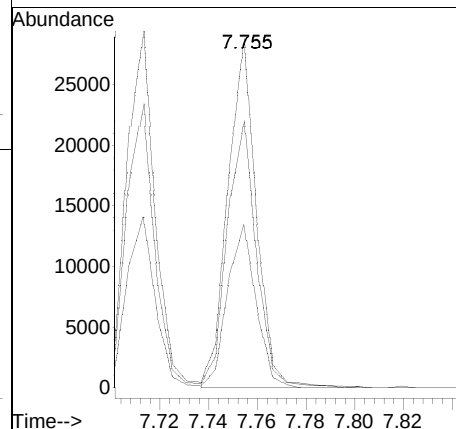
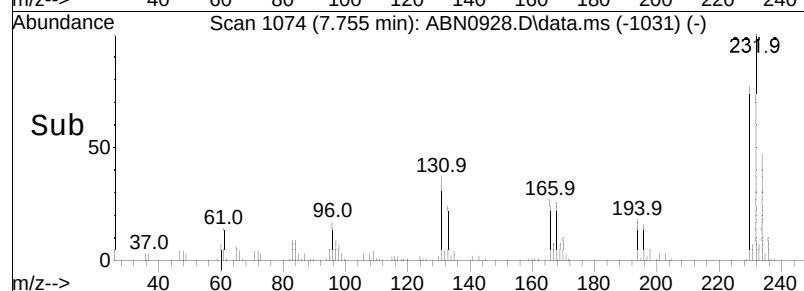
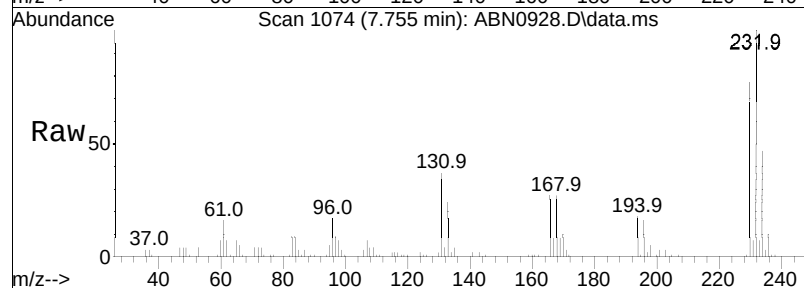
Tgt Ion: 232 Resp: 23443

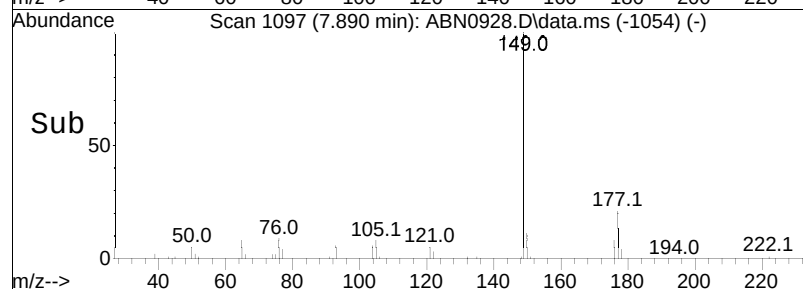
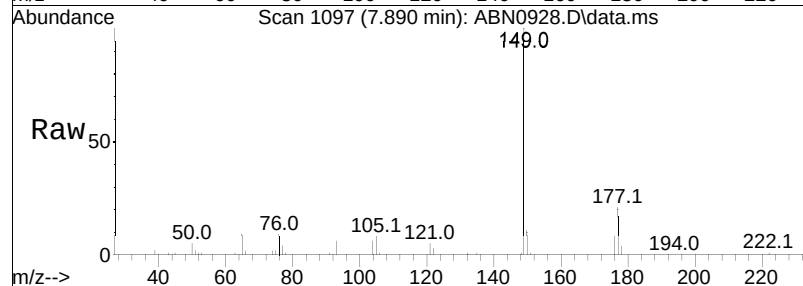
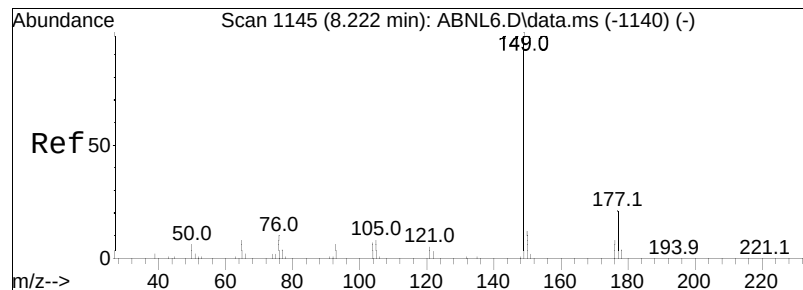
Ion Ratio Lower Upper

232 100

230 78.1 63.8 95.8

234 47.0 39.0 58.6





#72

Diethyl phthalate

Concen: 4.52 ug/ml

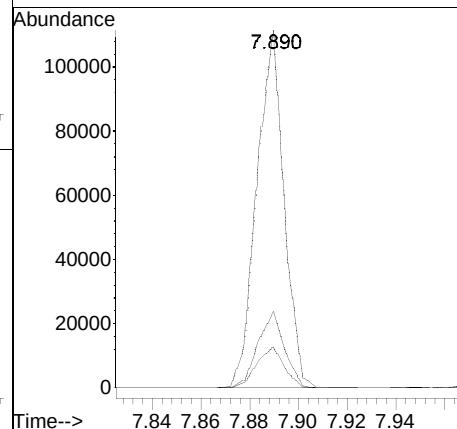
RT: 7.890 min Scan# 1097

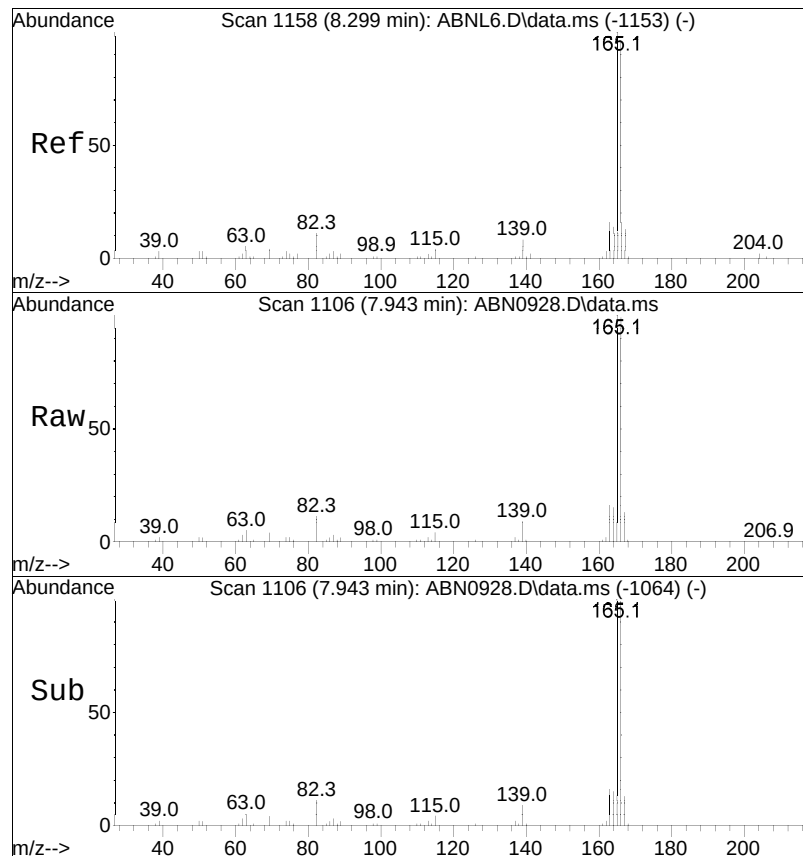
Delta R.T. 0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm

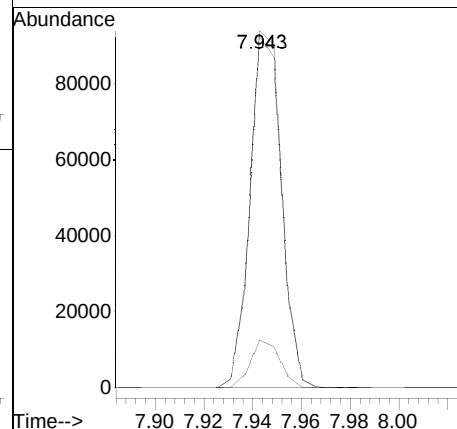
Tgt Ion:	149	Resp:	85243
Ion Ratio	Lower	Upper	
149	100		
177	21.1	15.0	22.6
150	11.8	9.8	14.6

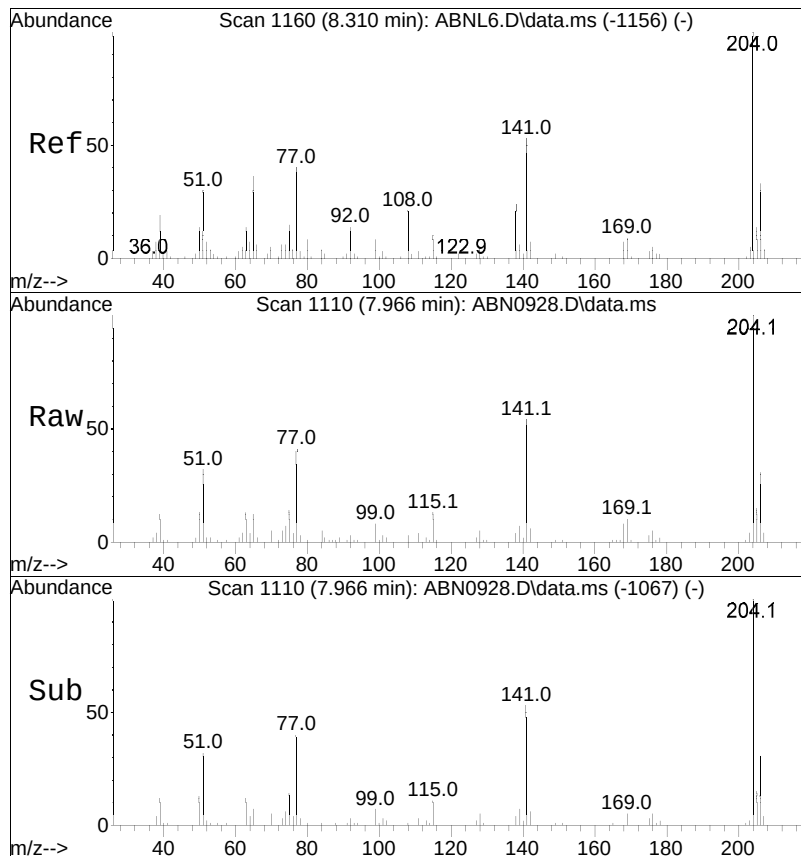




#73
 Fluorene
 Concen: 4.61 ug/ml
 RT: 7.943 min Scan# 1106
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

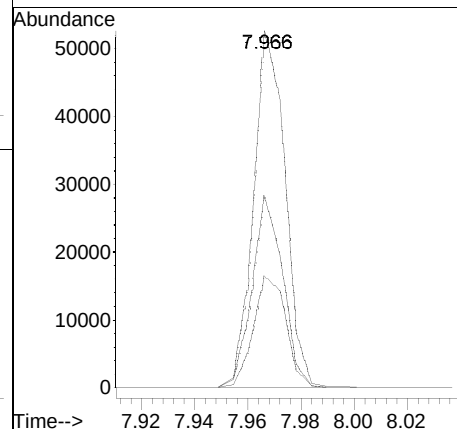
Tgt Ion:	166	Resp:	82730
Ion Ratio	Lower	Upper	
166	100		
165	103.3	80.0	120.0
167	13.3	10.7	16.1

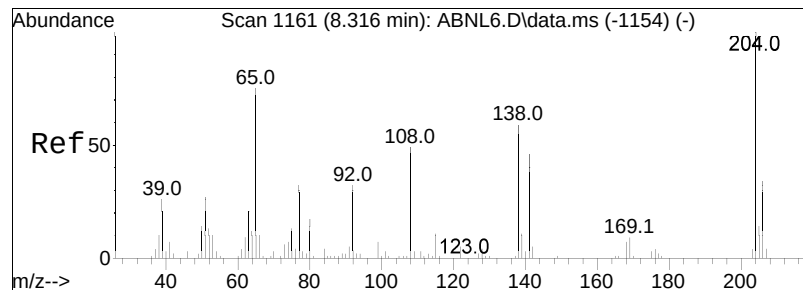




#74
 4-Chlorophenyl phenyl ether
 Concen: 4.54 ug/ml
 RT: 7.966 min Scan# 1110
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

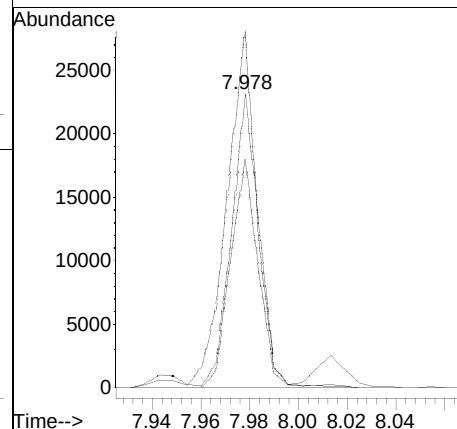
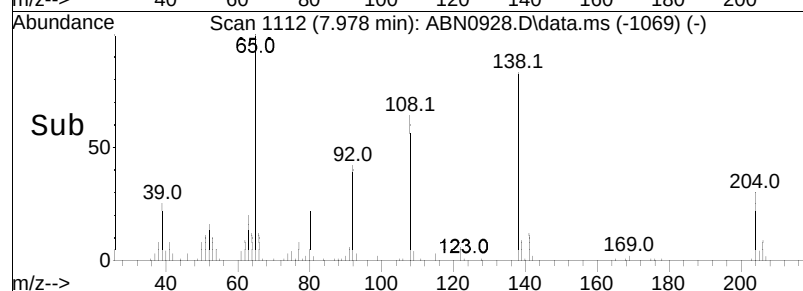
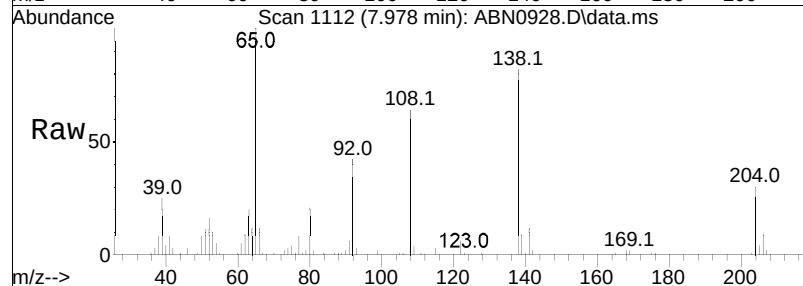
Tgt Ion:	204	Resp:	42861
Ion Ratio	Lower	Upper	
204	100		
206	32.4	26.3	39.5
141	52.1	58.4	87.6#

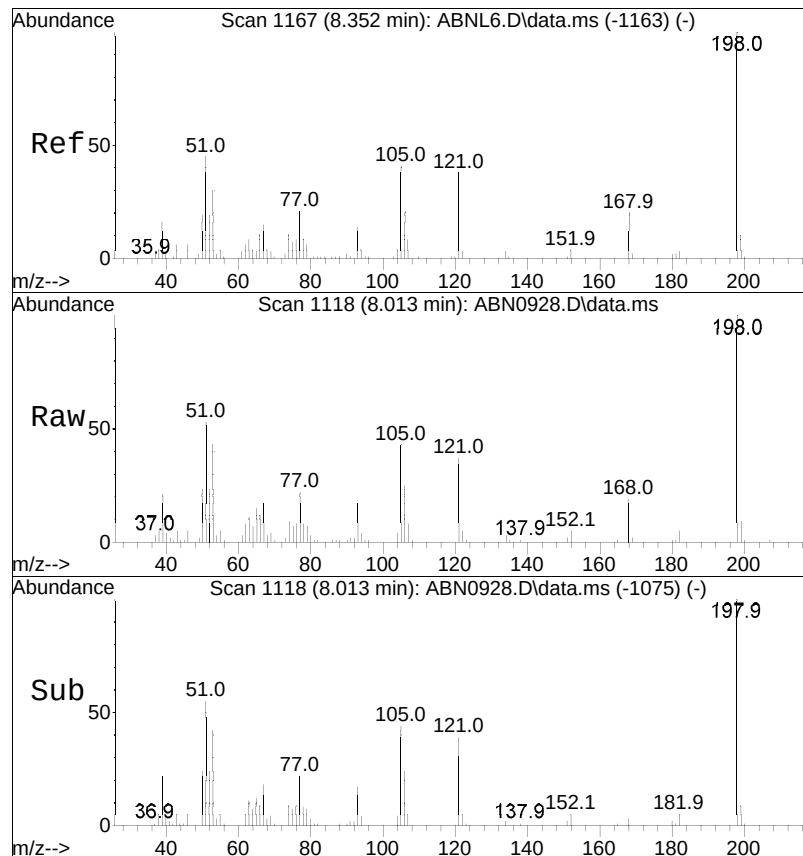




#75
 4-Nitroaniline
 Concen: 4.24 ug/ml
 RT: 7.978 min Scan# 1112
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

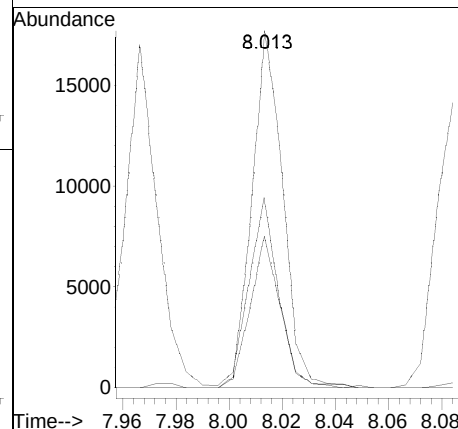
Tgt Ion	Ratio	Lower	Upper
138	100		
108	77.4	59.2	88.8
65	132.2	97.6	146.4

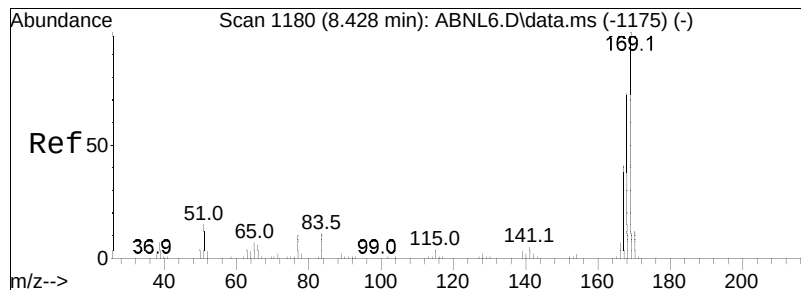




#76
 4,6-Dinitro-o-cresol
 Concen: 4.41 ug/ml
 RT: 8.013 min Scan# 1118
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

Tgt Ion:	198	Resp:	14256
Ion Ratio	Lower	Upper	
198	100		
51	51.8	49.9	74.9
105	41.9	45.8	68.6#





#77

NDPA/DPA

Concen: 4.78 ug/ml

RT: 8.084 min Scan# 1130

Delta R.T. 0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm

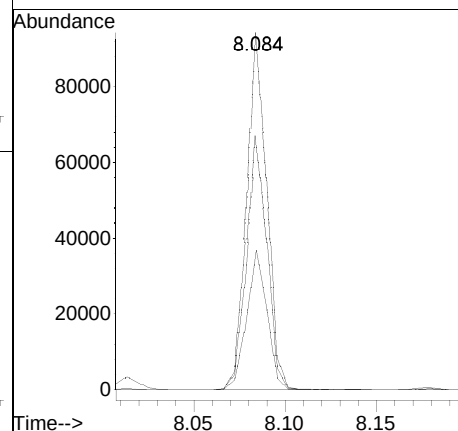
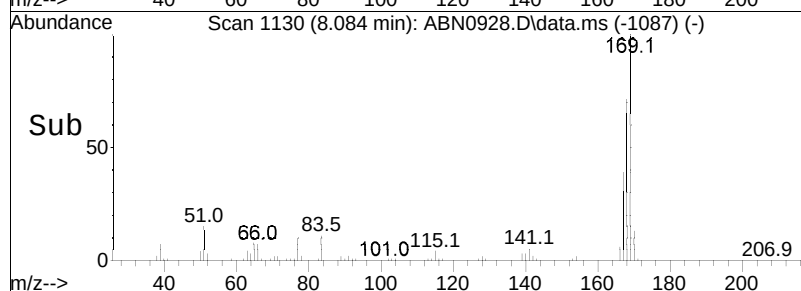
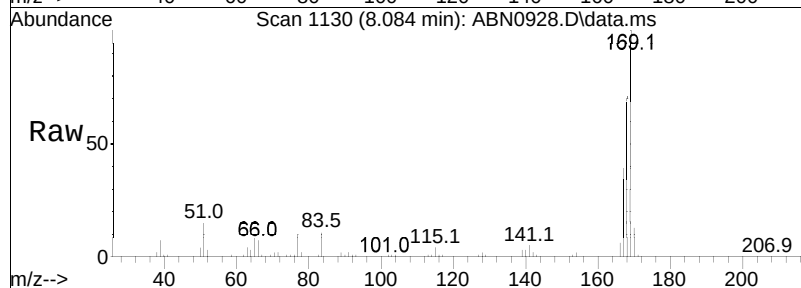
Tgt Ion:169 Resp: 71721

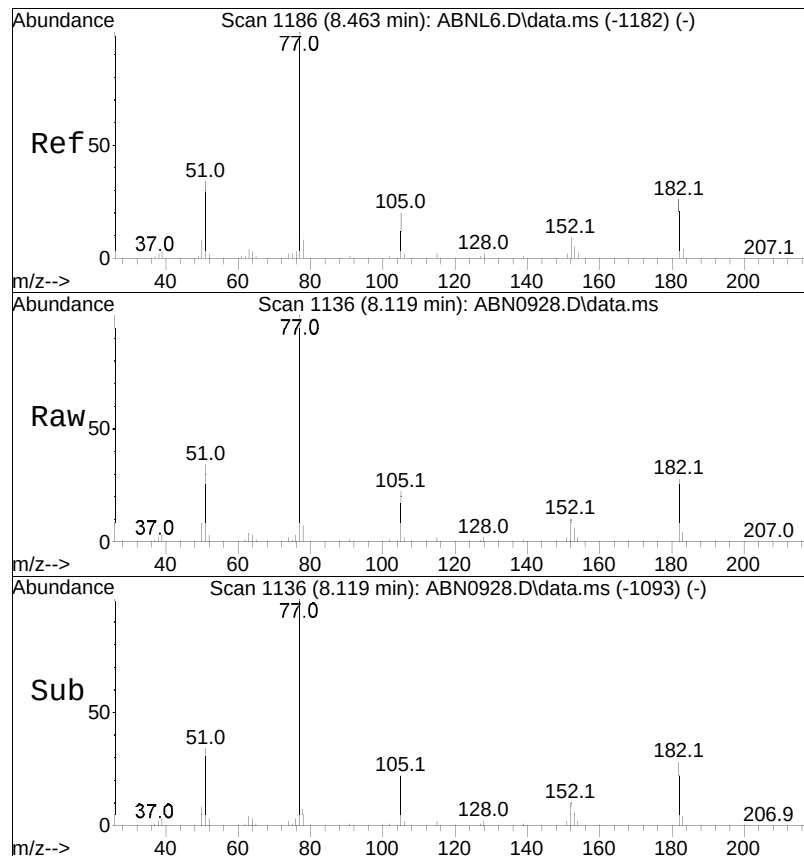
Ion Ratio Lower Upper

169 100

168 72.1 55.2 82.8

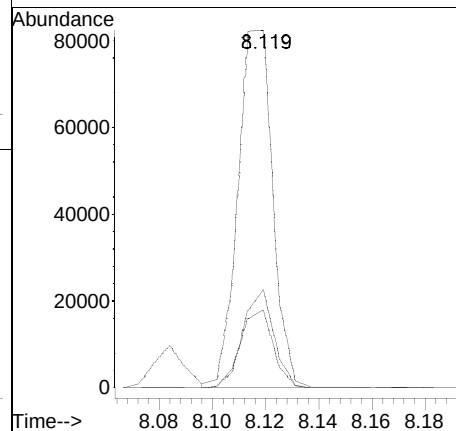
167 39.7 30.4 45.6

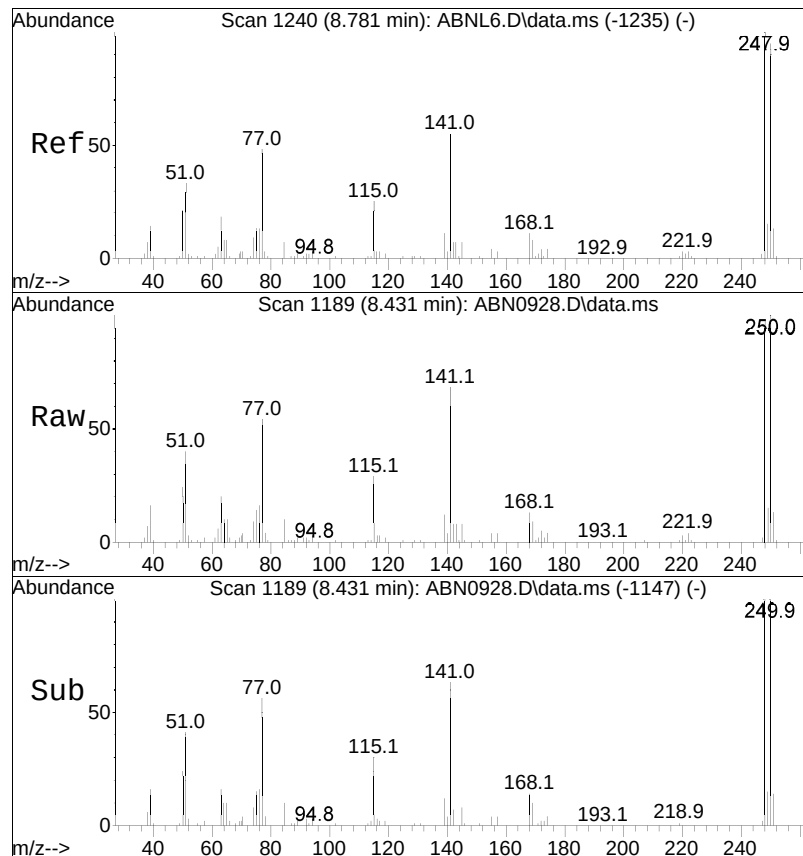




#78
 Azobenzene
 Concen: 4.50 ug/ml
 RT: 8.119 min Scan# 1136
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

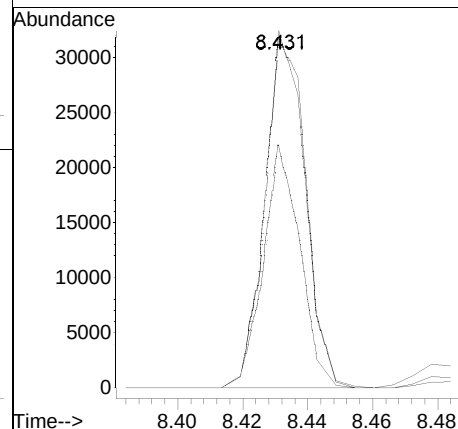
Tgt Ion:	77	Resp:	74414
Ion Ratio	100	Lower	Upper
182	24.5	16.2	24.2#
105	20.8	17.9	26.9

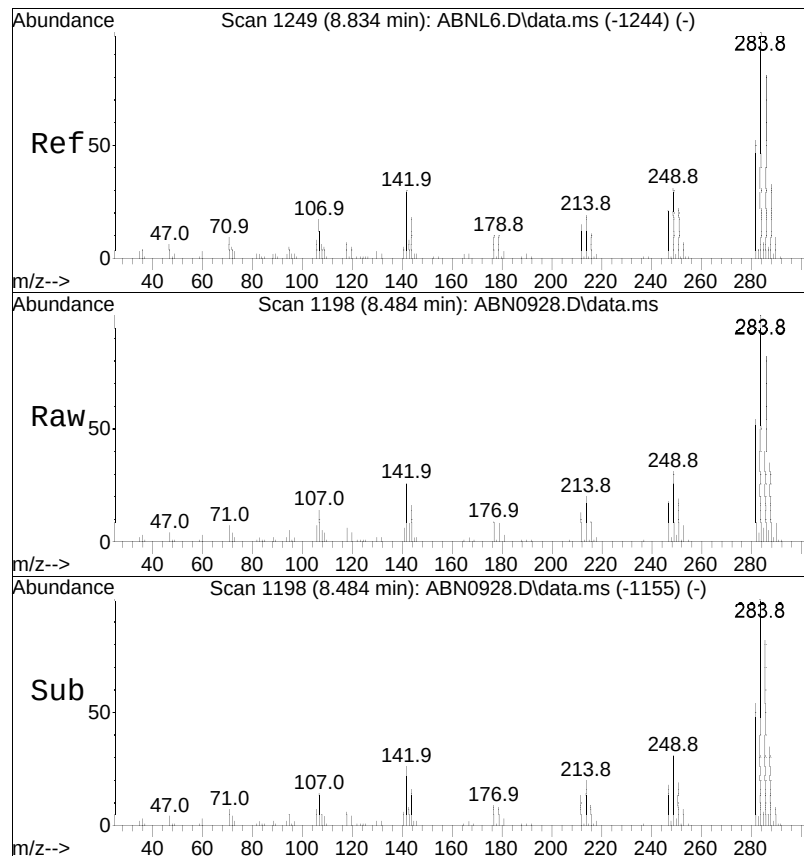




#80
 4-Bromophenyl phenyl ether
 Concen: 4.49 ug/ml
 RT: 8.431 min Scan# 1189
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

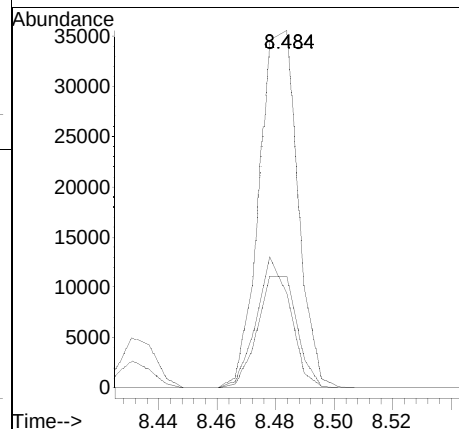
Tgt Ion:	248	Resp:	27708
Ion Ratio	Lower	Upper	
248	100		
141	62.0	74.6	111.8#
250	97.9	76.9	115.3

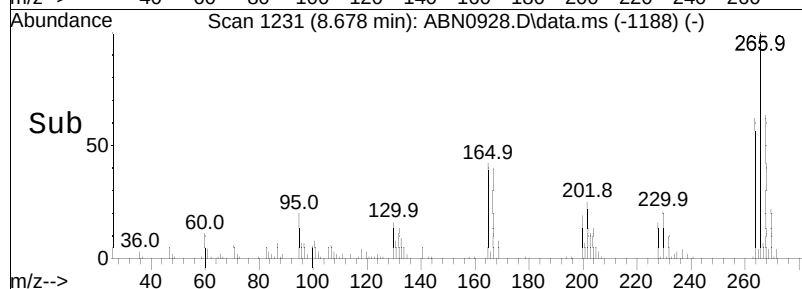
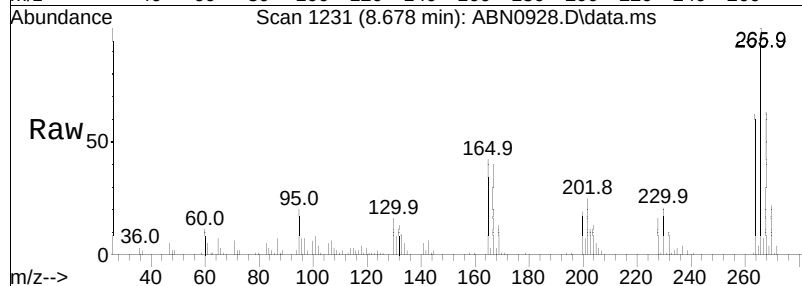
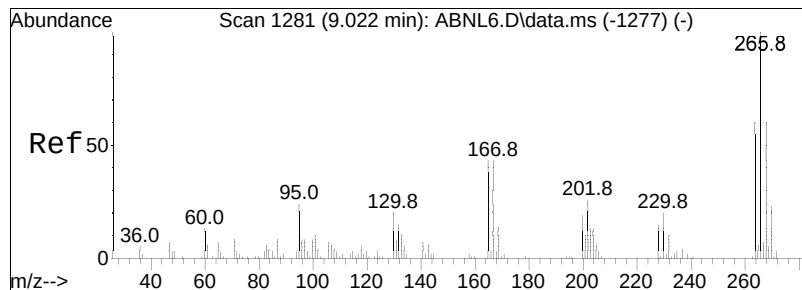




#81
 Hexachlorobenzene
 Concen: 4.46 ug/ml
 RT: 8.484 min Scan# 1198
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

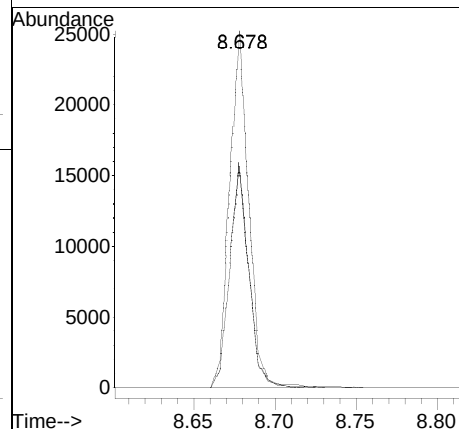
Tgt Ion:	284	Resp:	32605
Ion Ratio	Lower	Upper	
284	100		
142	32.1	37.6	56.4#
249	31.8	25.4	38.2

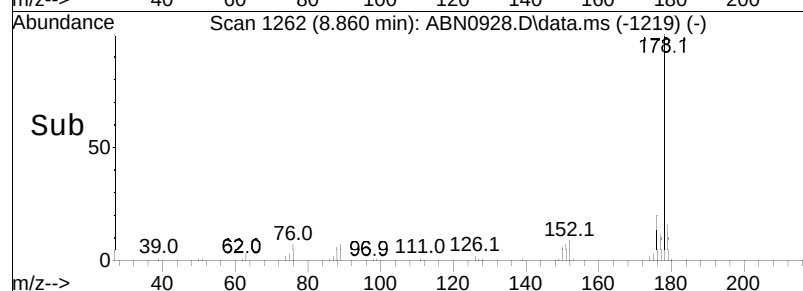
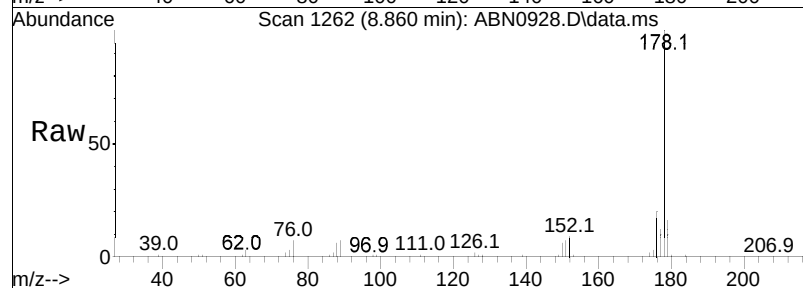
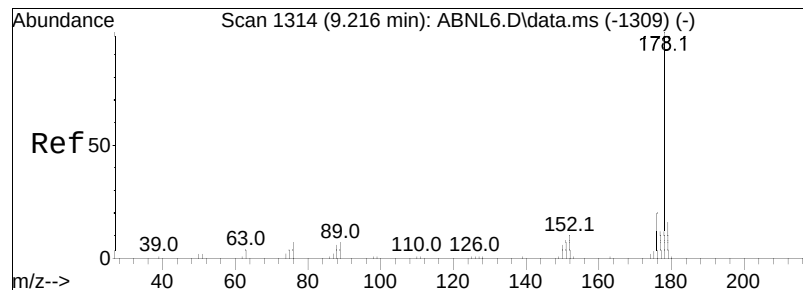




#82
 Pentachlorophenol
 Concen: 4.67 ug/ml
 RT: 8.678 min Scan# 1231
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

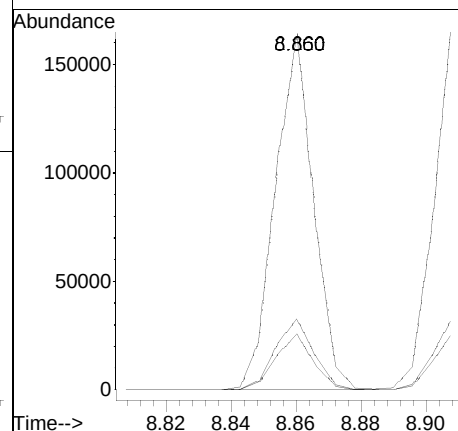
Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.1	50.7	76.1
268	62.6	52.5	78.7

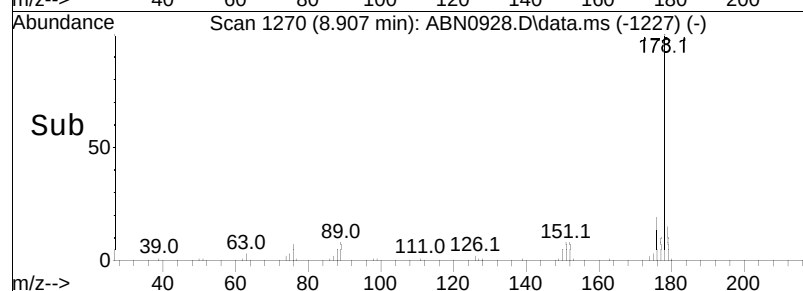
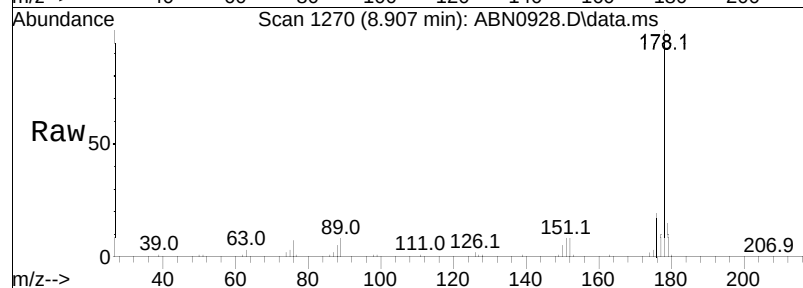
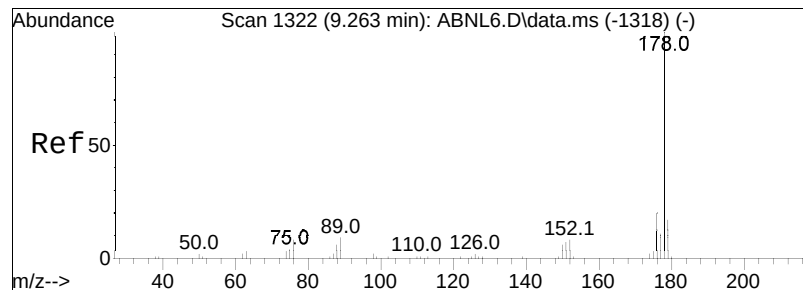




#89
 Phenanthrene
 Concen: 4.73 ug/ml
 RT: 8.860 min Scan# 1262
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

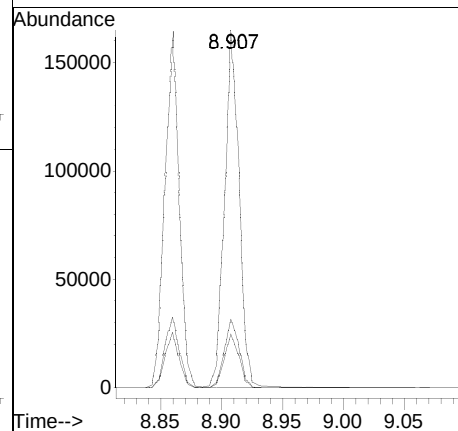
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	20.0	15.4	23.2

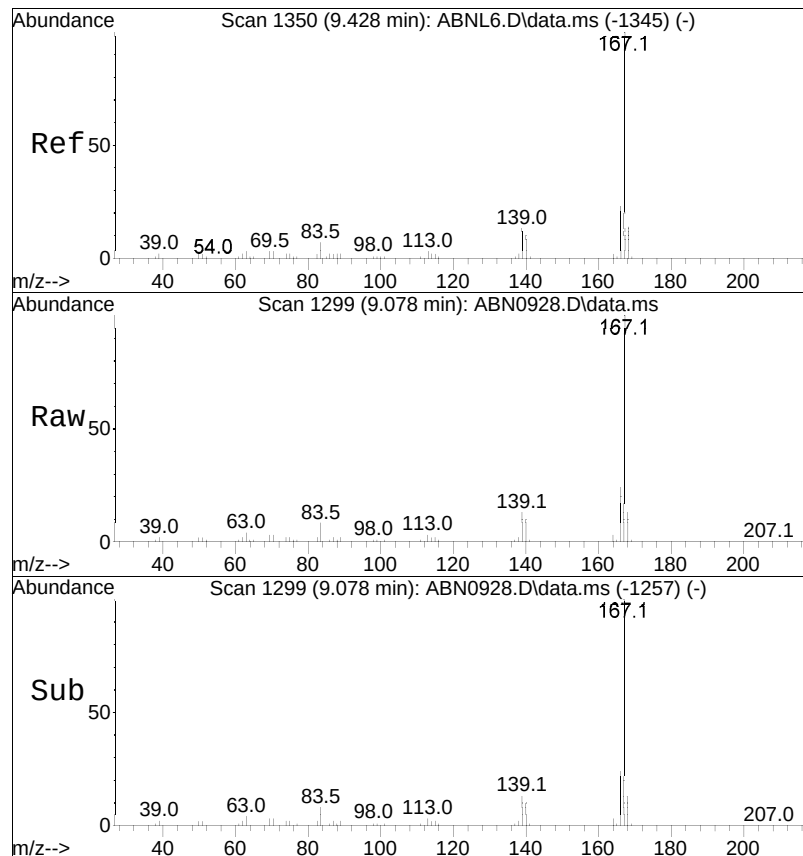




#90
 Anthracene
 Concen: 4.86 ug/ml
 RT: 8.907 min Scan# 1270
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

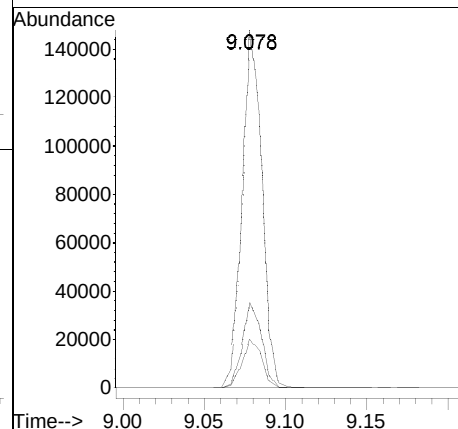
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	19.7	15.1	22.7

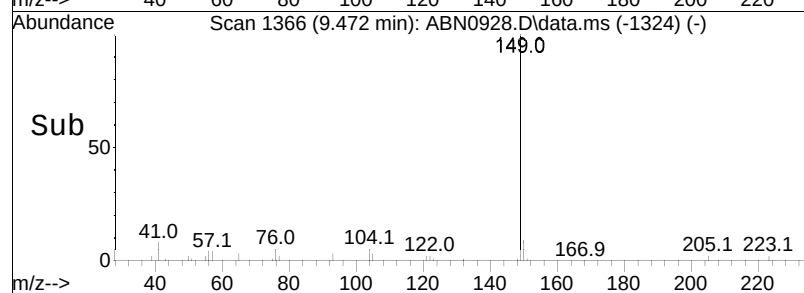
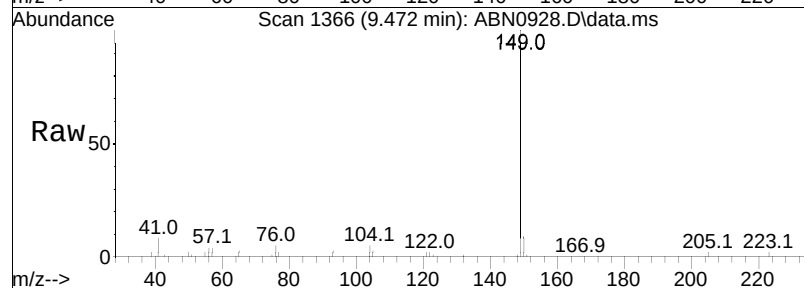
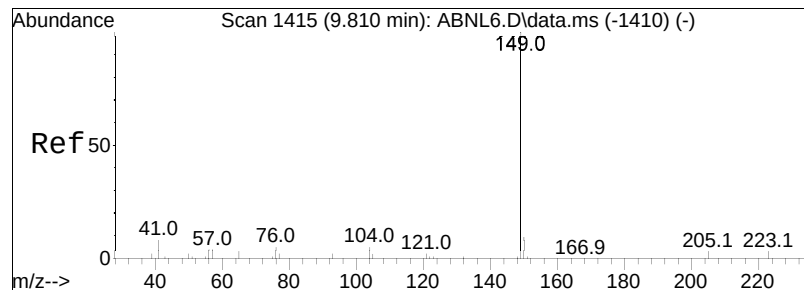




#91
 Carbazole
 Concen: 4.85 ug/ml
 RT: 9.078 min Scan# 1299
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

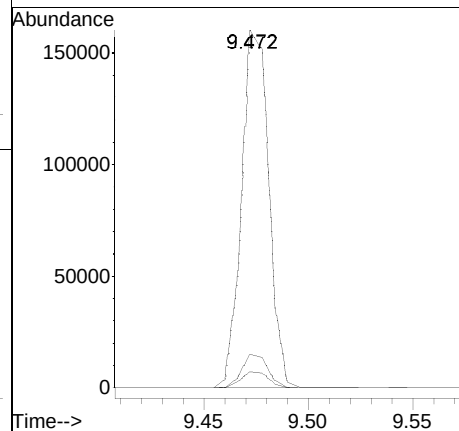
Tgt Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.8	16.2
166	23.3	17.7	26.5

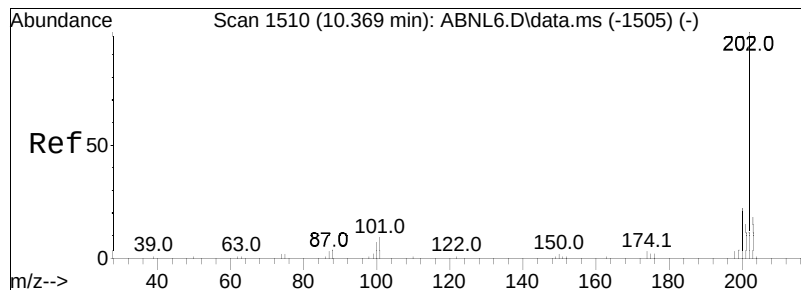




#92
 Di-n-butylphthalate
 Concen: 4.76 ug/ml
 RT: 9.472 min Scan# 1366
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.7	4.0	6.0





#93

Fluoranthene

Concen: 4.75 ug/ml M3

RT: 10.002 min Scan# 1456

Delta R.T. -0.006 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm

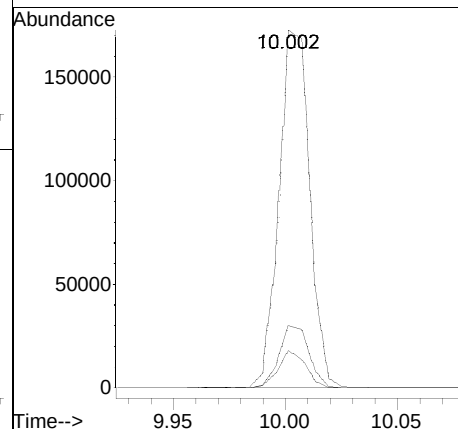
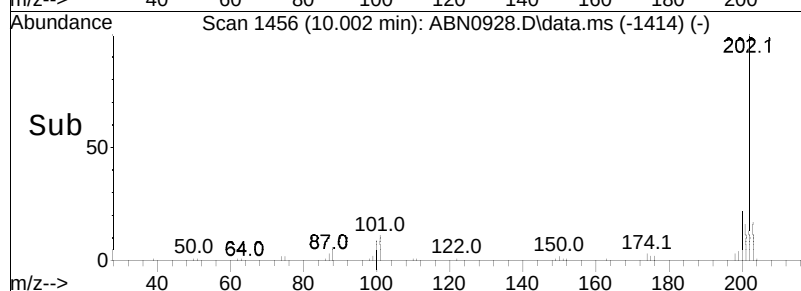
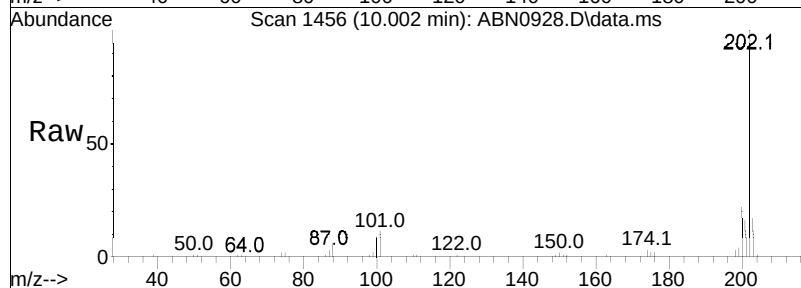
Tgt Ion: 202 Resp: 162909

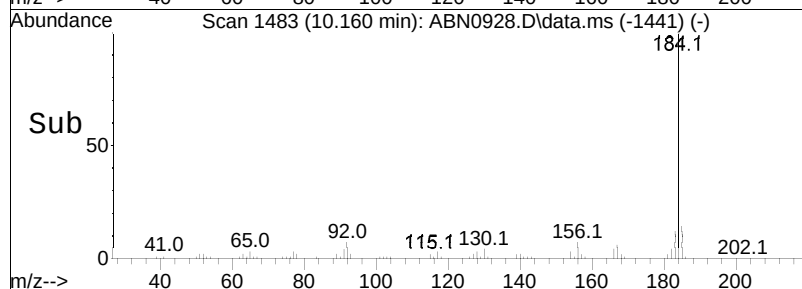
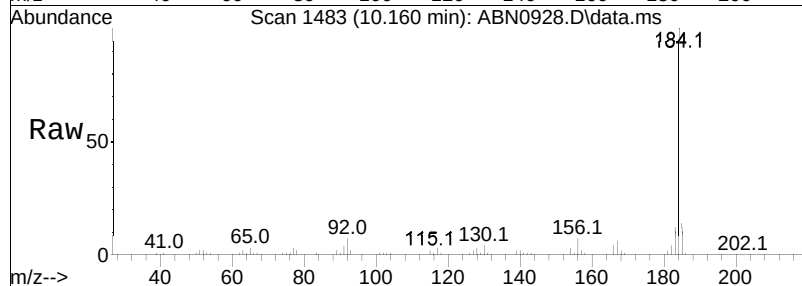
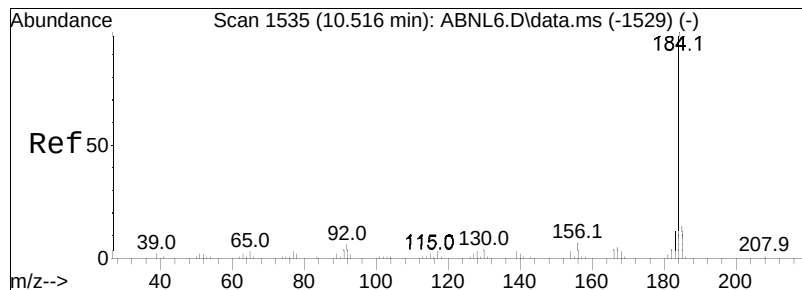
Ion Ratio Lower Upper

202 100

101 12.0 11.2 16.8

203 18.9 13.7 20.5





#94

Benzidine

Concen: 4.42 ug/ml

RT: 10.160 min Scan# 1483

Delta R.T. -0.006 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm

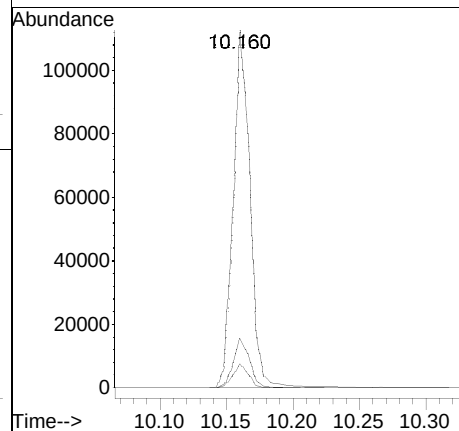
Tgt Ion:184 Resp: 97208

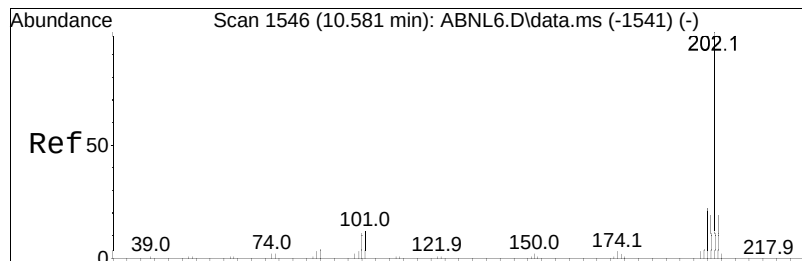
Ion Ratio Lower Upper

184 100

92 6.2 7.3 10.9#

185 13.6 11.8 17.8





#95

Pyrene

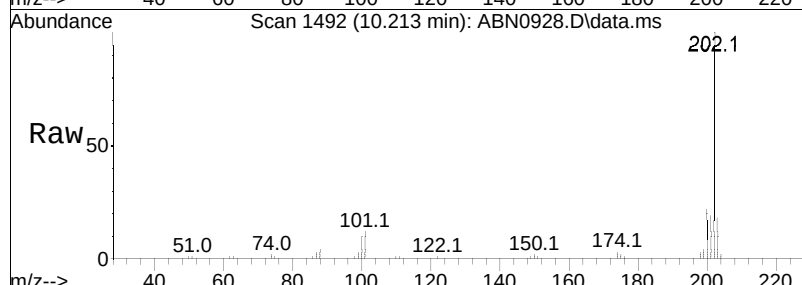
Concen: 4.89 ug/ml

RT: 10.213 min Scan# 1492

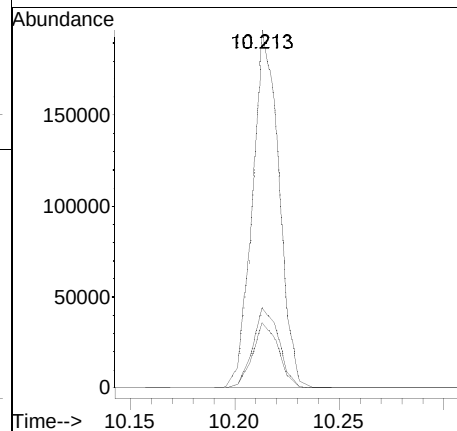
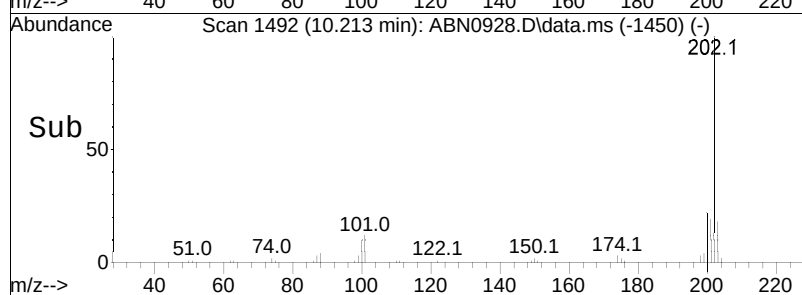
Delta R.T. -0.006 min

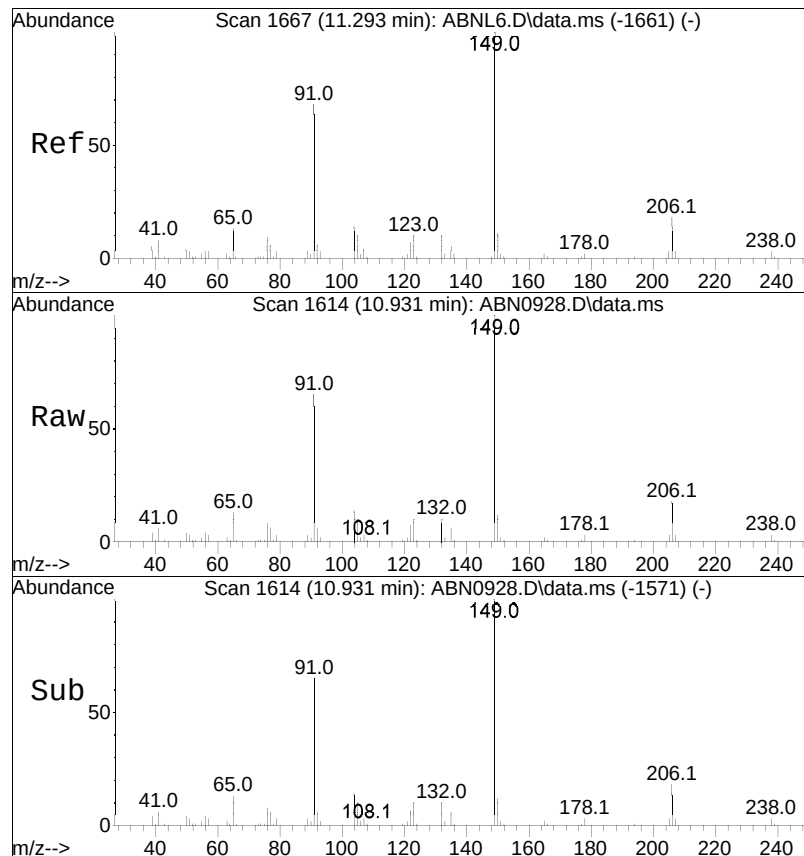
Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm



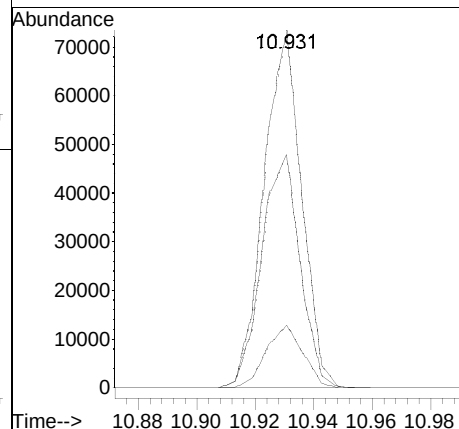
Tgt Ion:	202	Resp:	172371
Ion Ratio	Lower	Upper	
202	100		
200	22.1	16.9	25.3
203	17.9	14.3	21.5

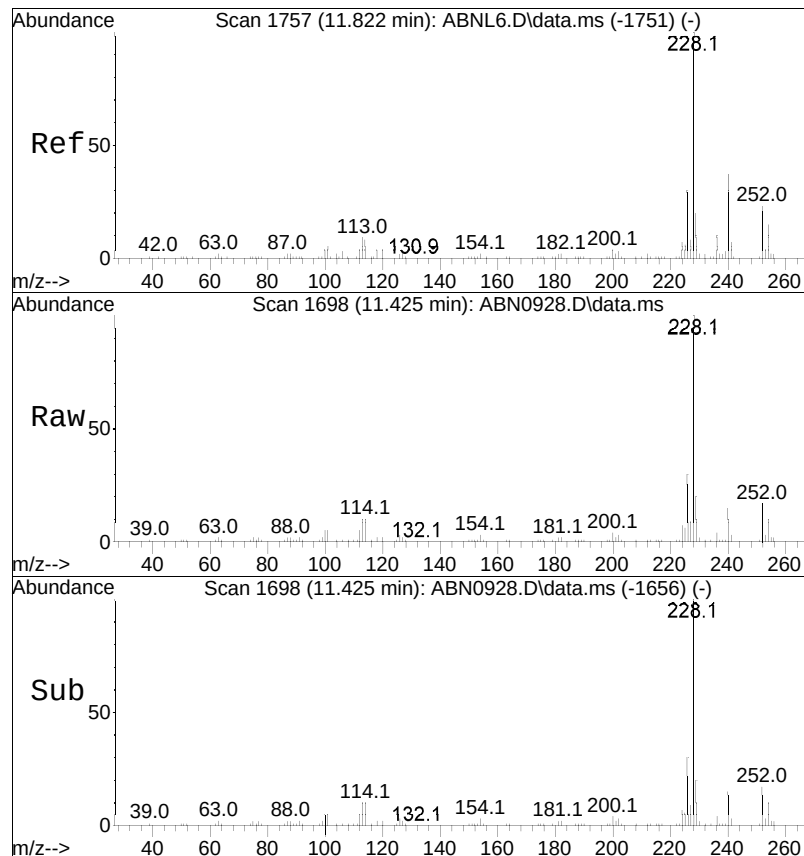




#97
 Butyl benzyl phthalate
 Concen: 4.32 ug/ml
 RT: 10.931 min Scan# 1614
 Delta R.T. 0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

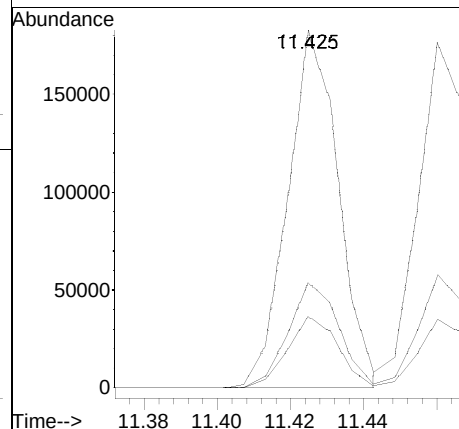
Tgt Ion:	149	Resp:	64900
Ion Ratio	Lower	Upper	
149	100		
91	66.7	57.9	86.9
206	17.4	11.9	17.9

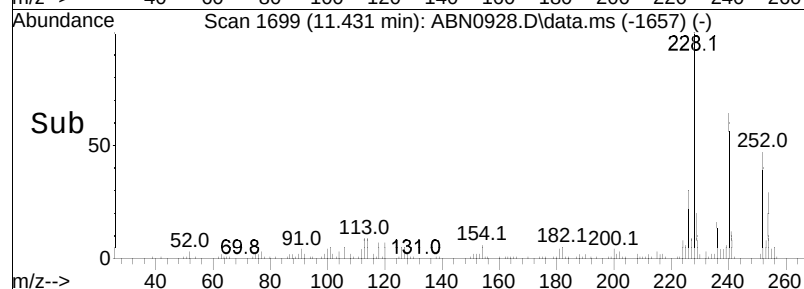
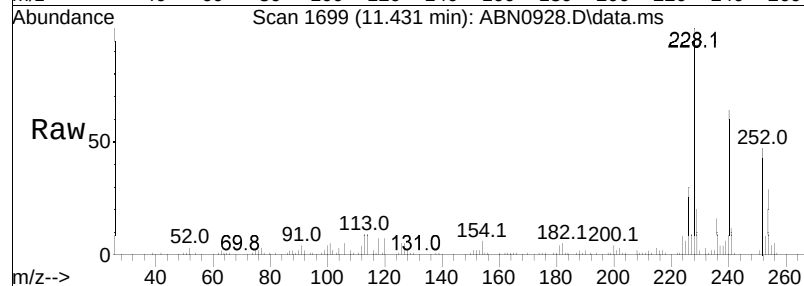
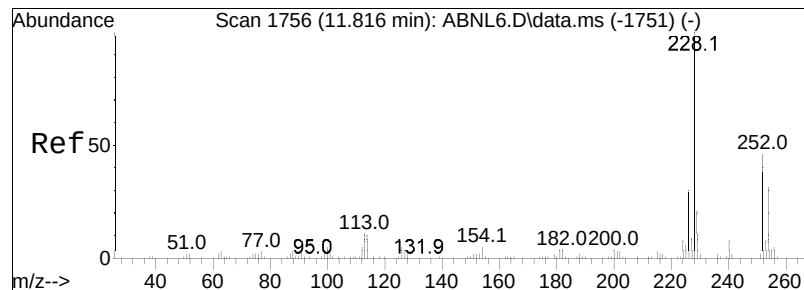




#105
 Benzo(a)anthracene
 Concen: 4.63 ug/ml
 RT: 11.425 min Scan# 1698
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

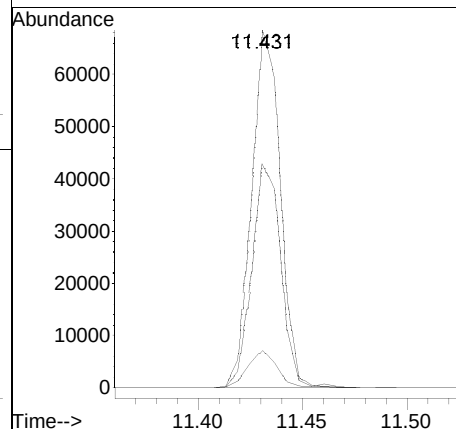
Tgt	Ion:228	Resp:	175559
Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	34.0
229	20.0	15.8	23.6

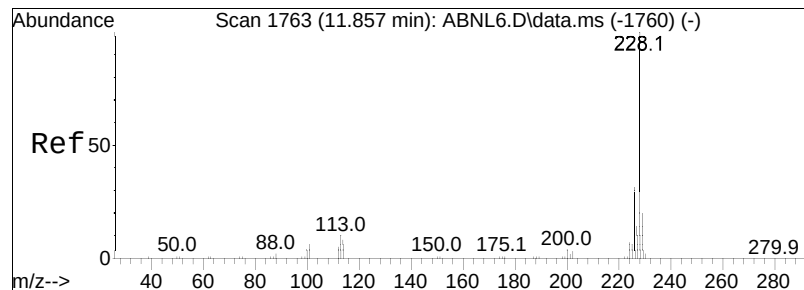




#106
 3,3'-Dichlorobenzidine
 Concen: 4.72 ug/ml
 RT: 11.431 min Scan# 1699
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

Tgt Ion	Ratio	Lower	Upper
252	100		
126	10.9	12.6	19.0#
254	63.2	51.1	76.7





#107

Chrysene

Concen: 4.81 ug/ml

RT: 11.460 min Scan# 1704

Delta R.T. -0.006 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 05:46 pm

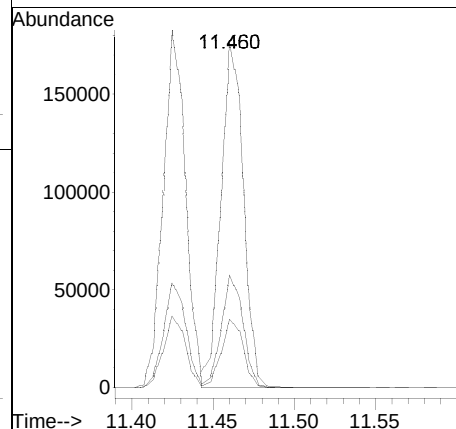
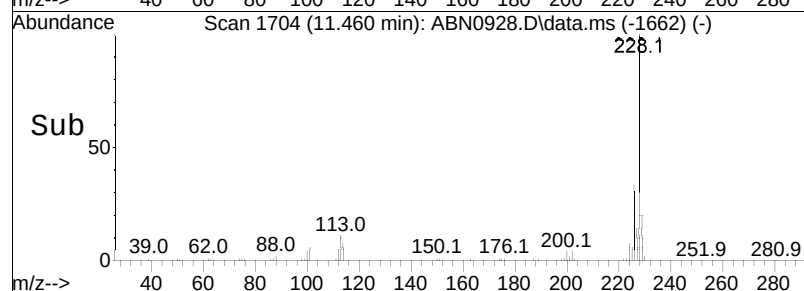
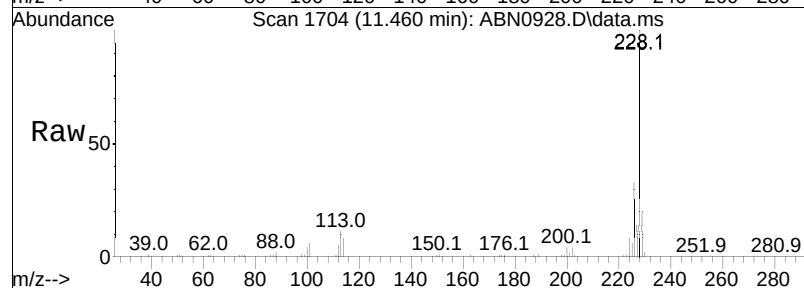
Tgt Ion: 228 Resp: 169679

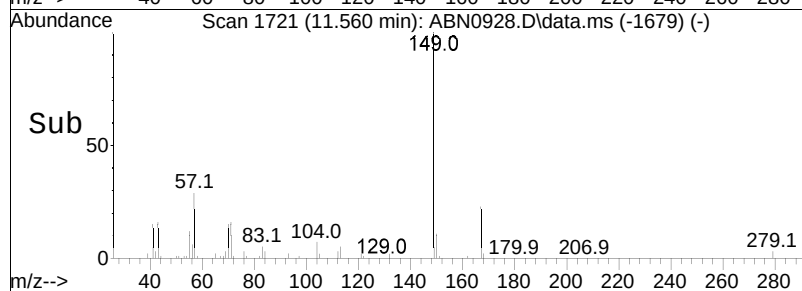
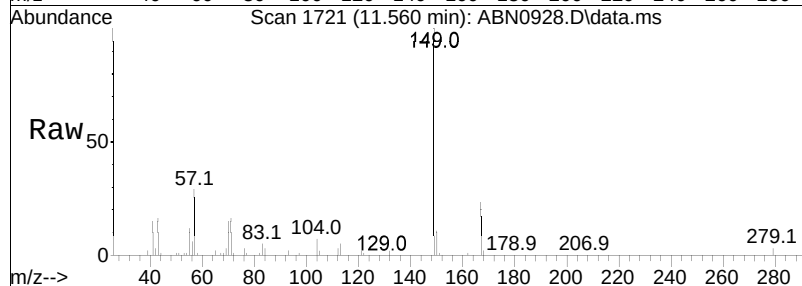
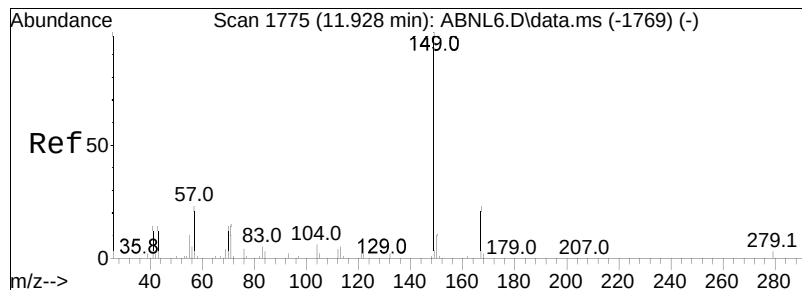
Ion Ratio Lower Upper

228 100

226 31.6 24.7 37.1

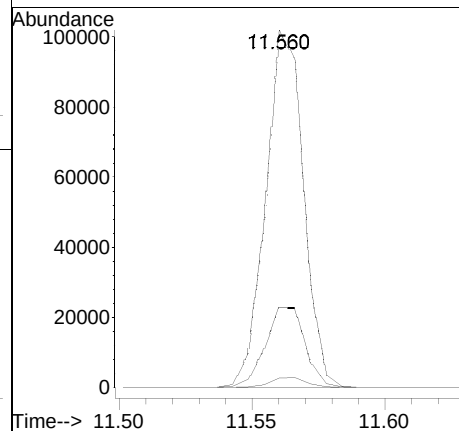
229 19.4 15.5 23.3

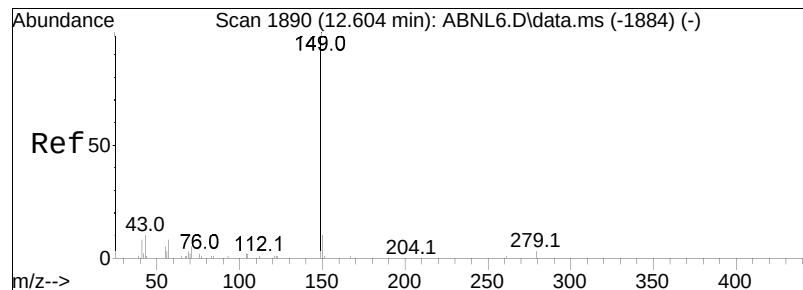




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 4.21 ug/ml
 RT: 11.560 min Scan# 1721
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

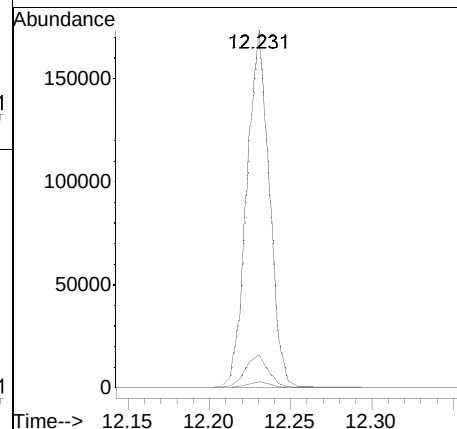
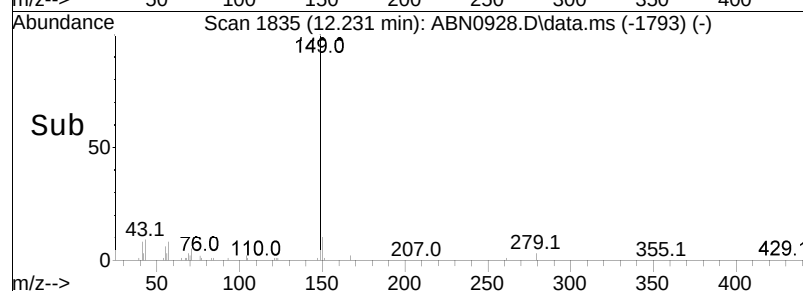
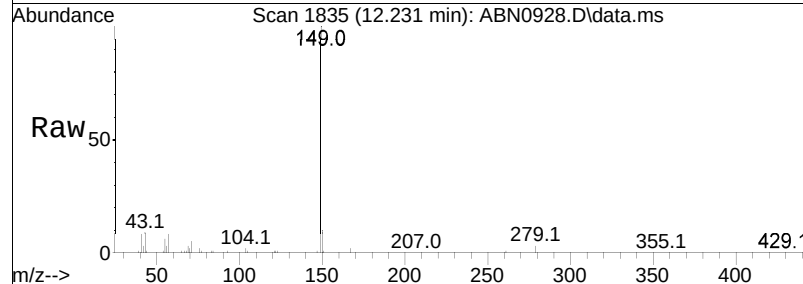
Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.8	18.4	27.6
279	2.5	1.7	2.5#

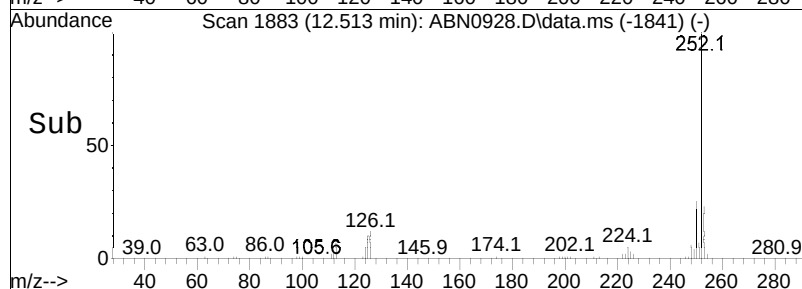
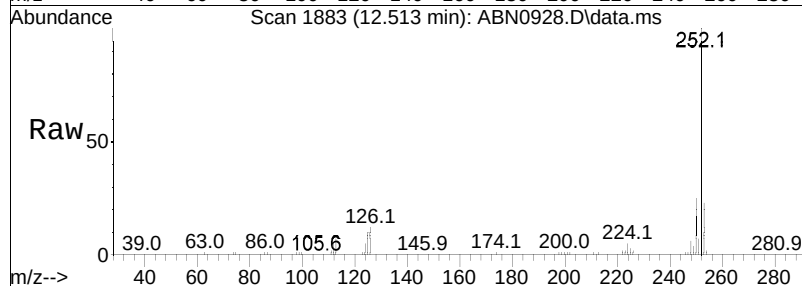
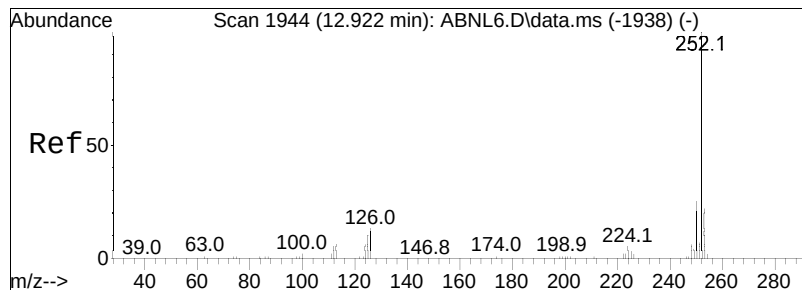




#109
 Di-n-octylphthalate
 Concen: 3.91 ug/ml
 RT: 12.231 min Scan# 1835
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

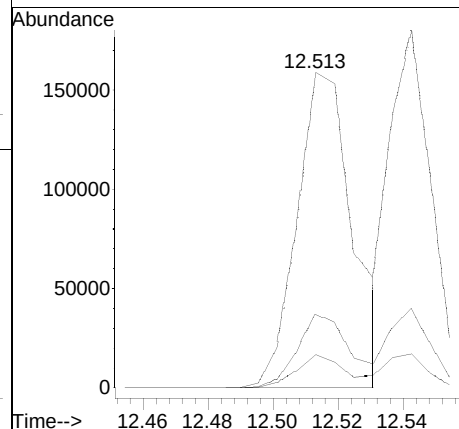
Tgt Ion	Ratio	Lower	Upper
149	100		
43	9.5	8.2	12.2
167	1.4	1.1	1.7

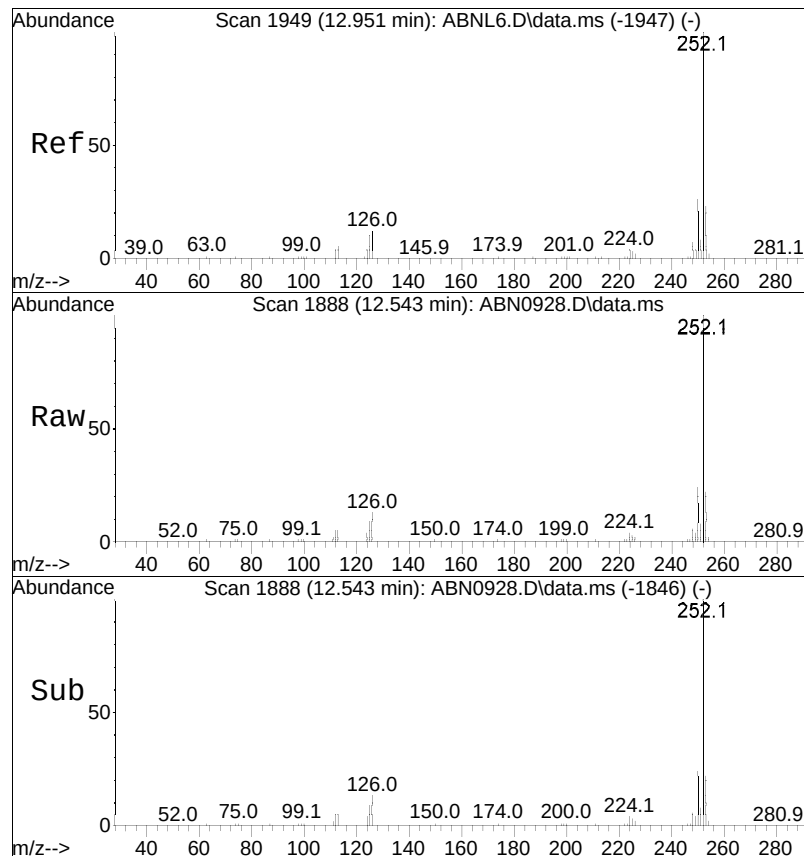




#110
 Benzo(b)fluoranthene
 Concen: 5.11 ug/ml
 RT: 12.513 min Scan# 1883
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

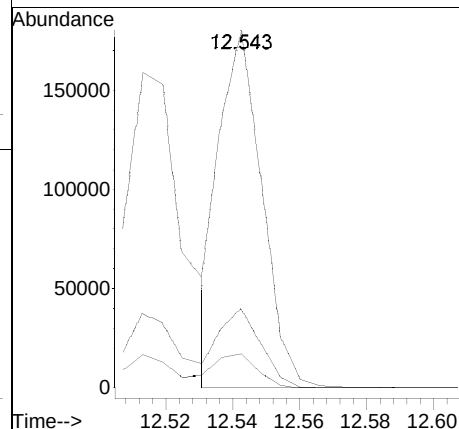
Tgt Ion	Ratio	Lower	Upper
252	100		
125	8.7	11.3	16.9#
253	22.4	17.8	26.8

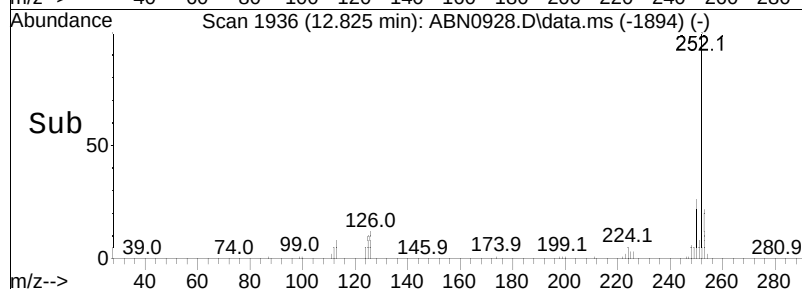
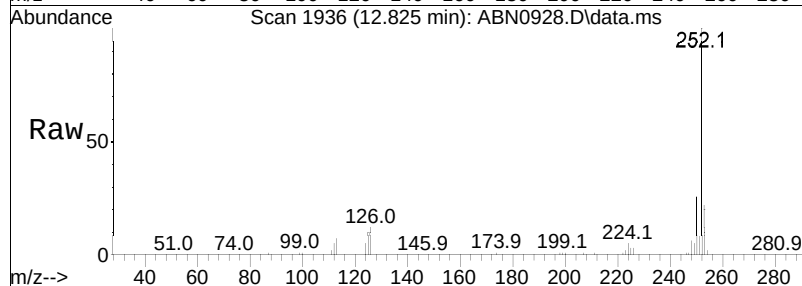
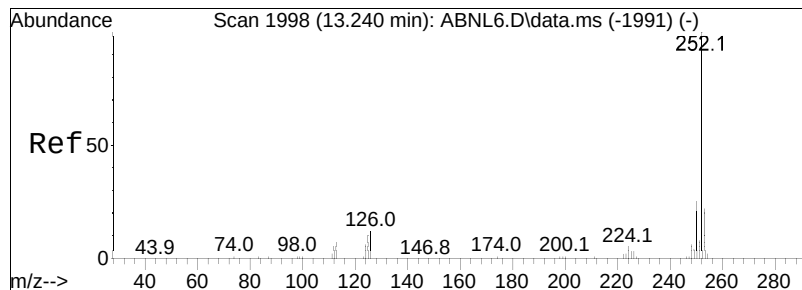




#111
 Benzo(k)fluoranthene
 Concen: 4.41 ug/ml M3
 RT: 12.543 min Scan# 1888
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

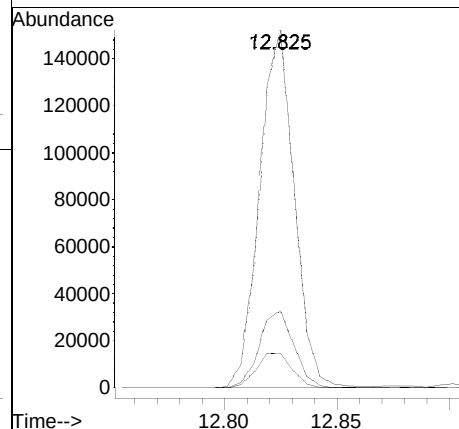
Tgt Ion:	252	Resp:	160197
Ion Ratio	Lower	Upper	
252	100		
125	10.3	11.5	17.3#
253	26.6	17.6	26.4#

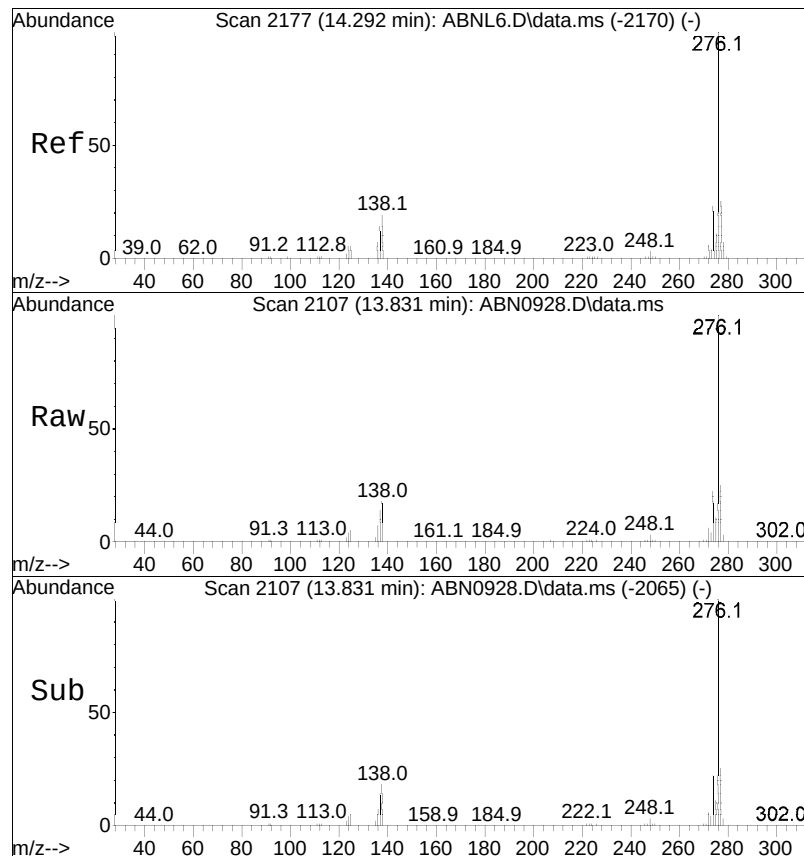




#112
Benzo(a)pyrene
Concen: 4.70 ug/ml
RT: 12.825 min Scan# 1936
Delta R.T. -0.006 min
Lab File: ABN0928.D
Acq: 28 Sep 2025 05:46 pm

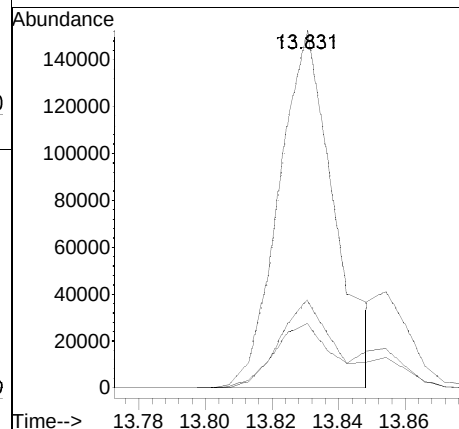
Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		161905		
125	10.3	12.6		18.8#	
253	21.8	17.5		26.3	

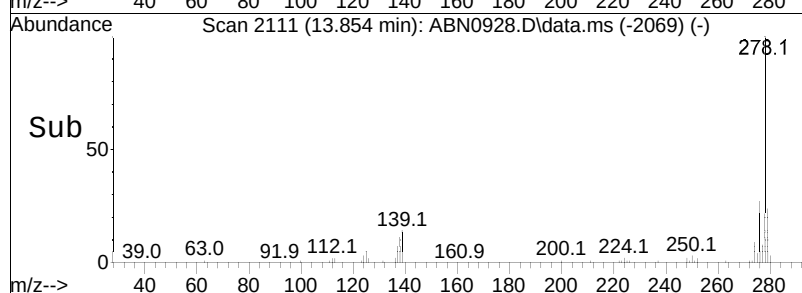
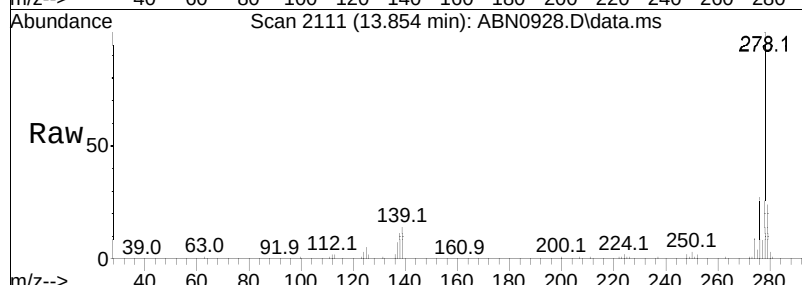
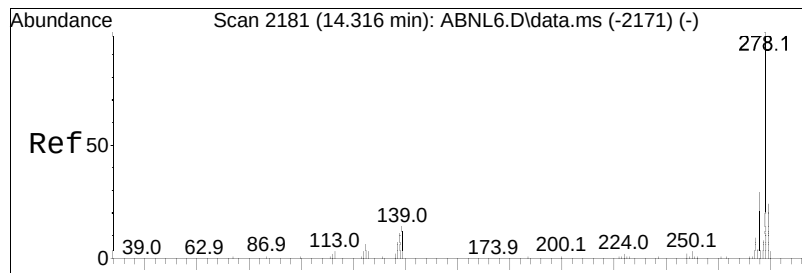




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 5.12 ug/mL M6
 RT: 13.831 min Scan# 2107
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

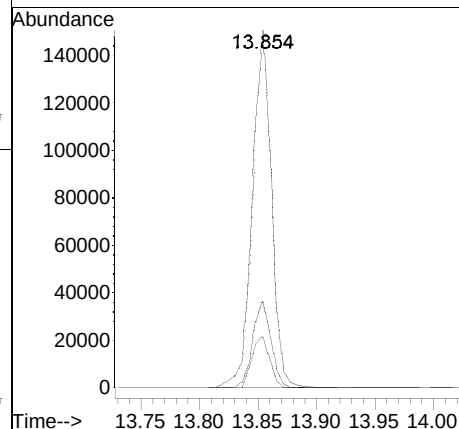
Tgt Ion:	276	Resp:	176913
Ion Ratio	Lower	Upper	
276	100		
138	18.5	22.1	33.1#
277	29.7	19.0	28.6#

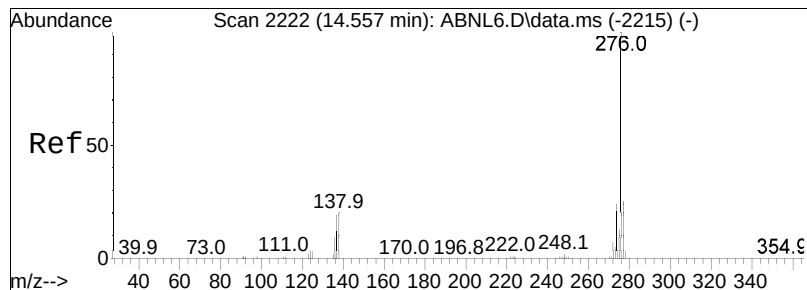




#115
 Dibenzo(a,h)anthracene
 Concen: 5.08 ug/ml
 RT: 13.854 min Scan# 2111
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

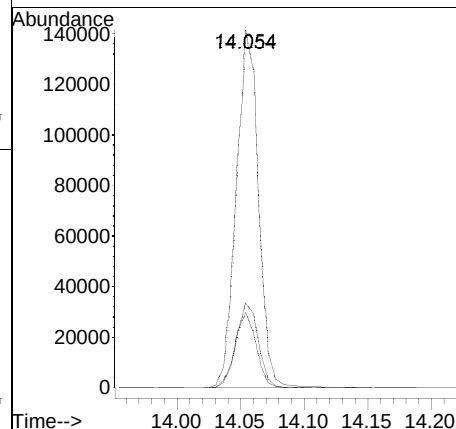
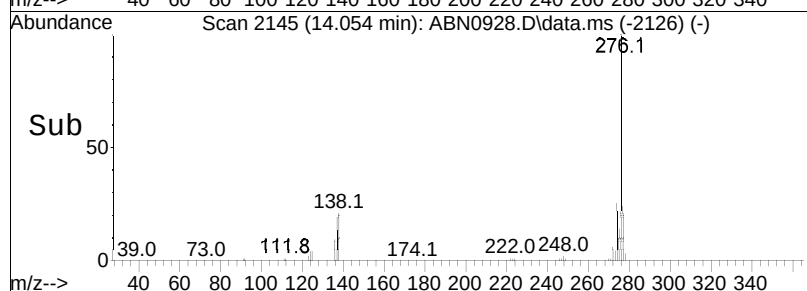
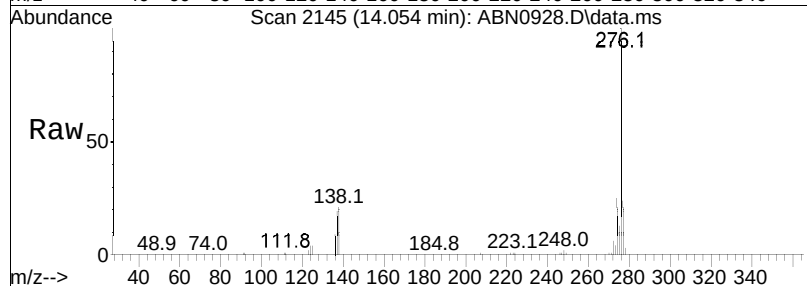
Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.6	17.8	26.8#
279	23.6	19.2	28.8





#116
 Benzo(ghi)perylene
 Concen: 4.91 ug/ml
 RT: 14.054 min Scan# 2145
 Delta R.T. -0.012 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 05:46 pm

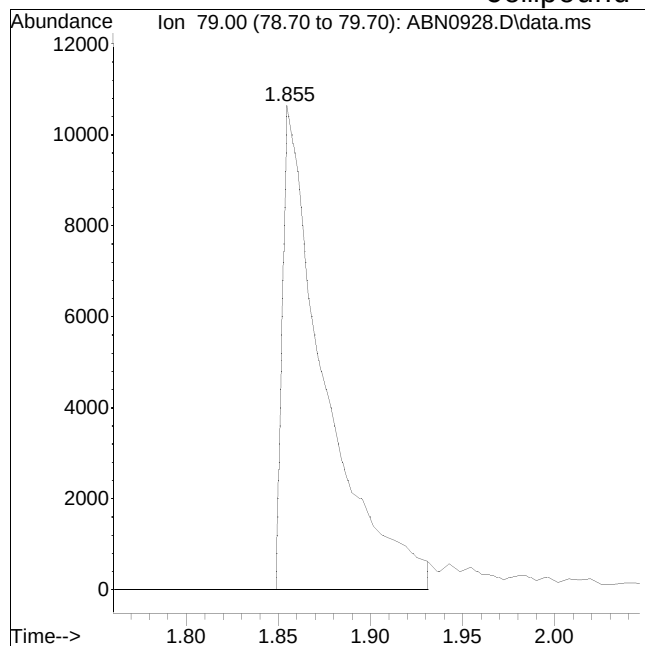
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	21.9	32.9#
277	23.6	18.4	27.6



Manual Integration Report

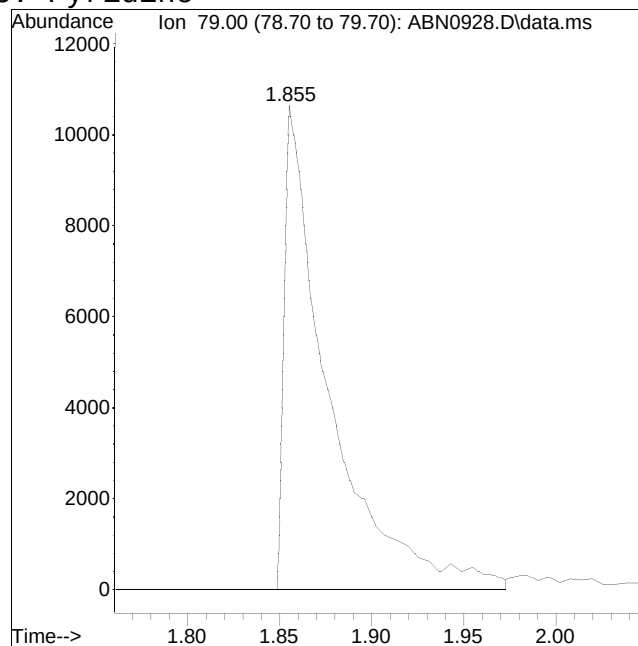
Data Path : I:\8270\SV112\250928RVT\ QMethod : FS250817SV112RVT.m
Data File : ABN0928.D Operator : SV112:smz
Date Inj'd : 9/28/2025 5:46 pm Instrument : SV112
Sample : wg2120745-3,32,,ABN 11823 QMethod : 9/28/2025 6:04 pm

Compound #3: Pyridine



Original Peak Response = 17014

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

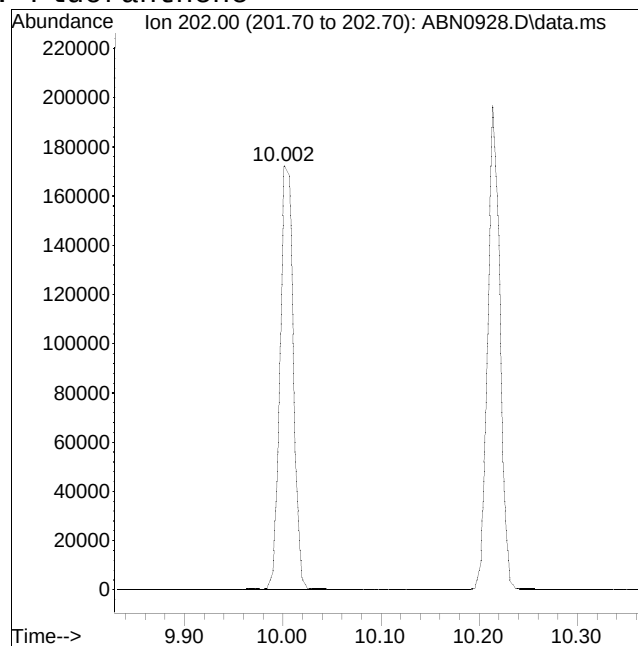
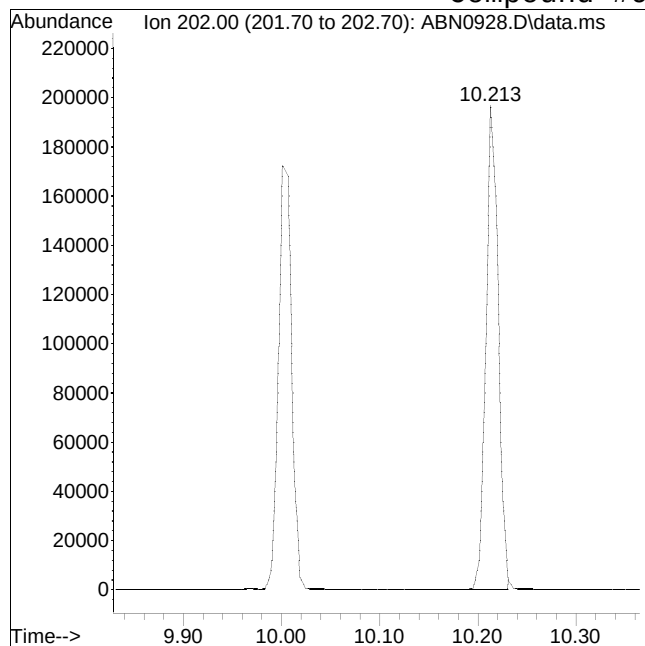


Manual Peak Response = 17980 M1

Manual Integration Report

Data Path : I:\8270\SV112\250928RVT\ QMethod : FS250817SV112RVT.m
Data File : ABN0928.D Operator : SV112:smz
Date Inj'd : 9/28/2025 5:46 pm Instrument : SV112
Sample : wg2120745-3,32,,ABN 11823 QMethod : 9/28/2025 6:04 pm

Compound #93: Fluoranthene



Original Peak Response = 171737

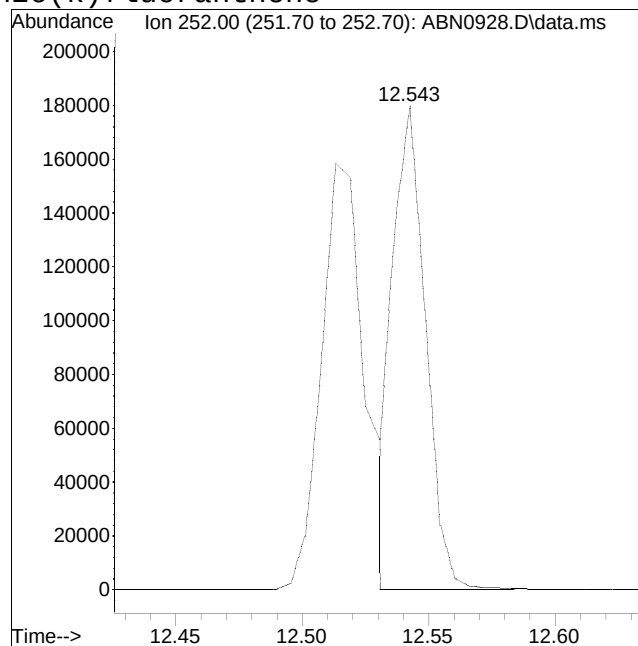
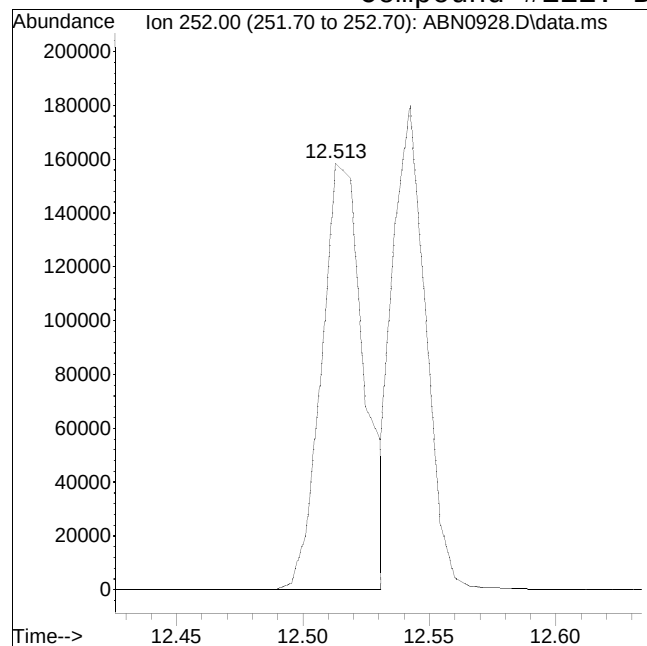
Manual Peak Response = 162909 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250928RVT\ QMethod : FS250817SV112RVT.m
 Data File : ABN0928.D Operator : SV112:smz
 Date Inj'd : 9/28/2025 5:46 pm Instrument : SV112
 Sample : wg2120745-3,32,,ABN 11823 Qma0810Ate : 9/28/2025 6:04 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 190195

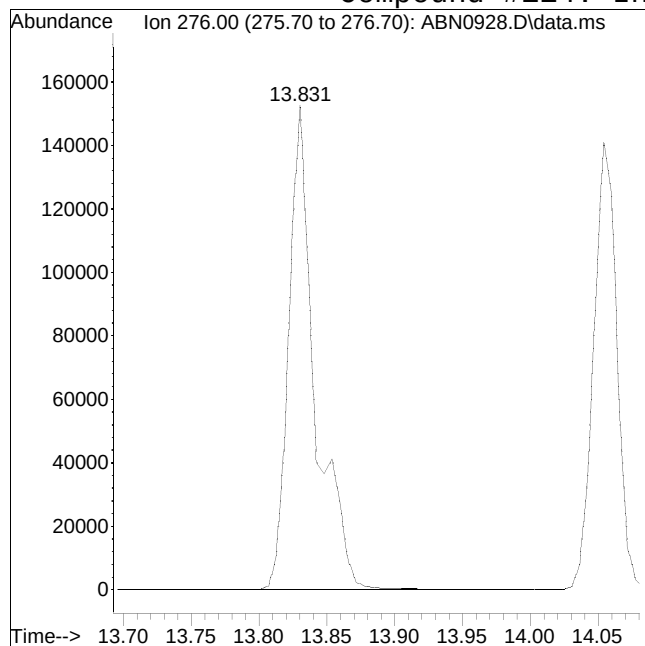
Manual Peak Response = 160197 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

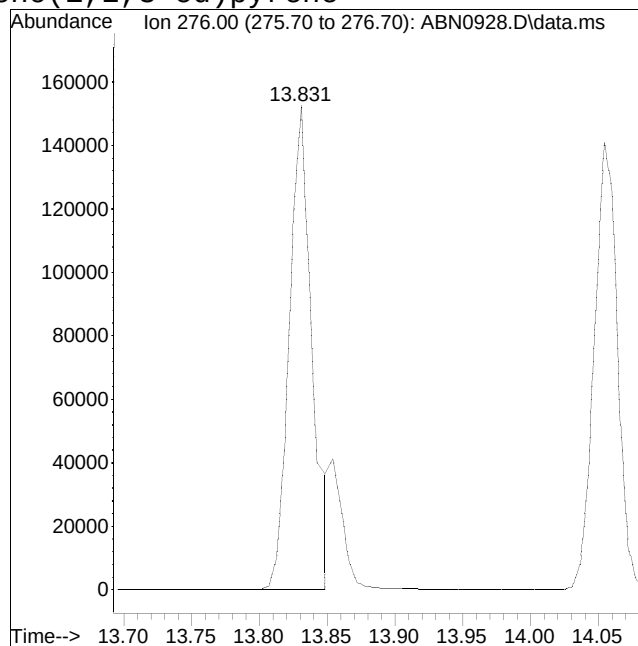
Data Path : I:\8270\SV112\250928RVT\ QMethod : FS250817SV112RVT.m
Data File : ABN0928.D Operator : SV112:smz
Date Inj'd : 9/28/2025 5:46 pm Instrument : SV112
Sample : wg2120745-3,32,,ABN 11823 QMethod : 9/28/2025 6:04 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 207204

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 176913 M6

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250928RVT\
 Data File : AP90928.D
 Acq On : 28 Sep 2025 06:09 pm
 Operator : SV112:smz
 Sample : wg2120745-4,32,,AP9 11662 gmr0814A
 Misc : wg2120745,,ical22560
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 28 18:26:37 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
28 T	Benzaldehyde	0.597	0.984	-64.8#	163	0.00
29 T	Acetophenone	1.980	1.731	12.6	86	0.00
30 T	m-Toluidine	1.191	1.473	-23.7#	115	0.00
31 T	2-Chloroaniline	1.688	1.550	8.2	88	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	89	0.00
56 T	a-Terpineol	0.298	0.305	-2.3	94	0.00
57 T	3-Chloroaniline	0.138	0.151	-9.4	99	0.00
58 T	2,6-Dichlorophenol	0.282	0.319	-13.1	99	0.00
59 T	1-chloro-2-nitrobenzene	0.137	0.141	-2.9	93	0.00
60 T	Caprolactam	0.177	0.153	13.6	79	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.443	0.425	4.1	89	0.00
62 T	Biphenyl	0.978	0.915	6.4	87	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	86	0.00
84 T	Dichloran	0.179	0.192	-7.3	99	0.00
85 T	Pentachloronitrobenzene	0.205	0.208	-1.5	92	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	86	0.00
99 T	Diphenamid	0.494	0.478	3.2	85	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : AP90928.D
 Acq On : 28 Sep 2025 06:09 pm
 Operator : SV112:smz
 Sample : wg2120745-4,32,,AP9 11662 gmr0814A
 Misc : wg2120745,,ical22560
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 28 18:26:37 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.496	152	20764	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	5.725	136	77713	4.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	7.419	164	48169	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	8.837	188	106426	4.000	ug/ml	# 0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.060	105	25550	8.247	ug/ml	96
29) Acetophenone	4.896	105	44922	4.370	ug/ml	96
30) m-Toluidine	4.984	106	38237	6.183	ug/ml	96
31) 2-Chloroaniline	5.337	127	40233	4.592	ug/ml	100
56) a-Terpineol	5.790	59	29619	5.117	ug/ml	94
57) 3-Chloroaniline	5.802	65	14664	5.454	ug/ml	91
58) 2,6-Dichlorophenol	5.831	162	31013	5.651	ug/ml	94
59) 1-chloro-2-nitrobenzene	6.078	111	13690	5.128	ug/ml	95
60) Caprolactam	6.119	55	14880	4.318	ug/ml	96
61) 1,2,4,5-Tetrachloroben...	6.590	216	41245	4.788	ug/ml	96
62) Biphenyl	6.884	154	88877	4.676	ug/ml	99
84) Dichloran	8.543	206	11565	5.352	ug/ml#	67
85) Pentachloronitrobenzene	8.690	237	12531	5.084	ug/ml#	82
99) Diphenamid	9.742	167	63562	4.832	ug/ml	84

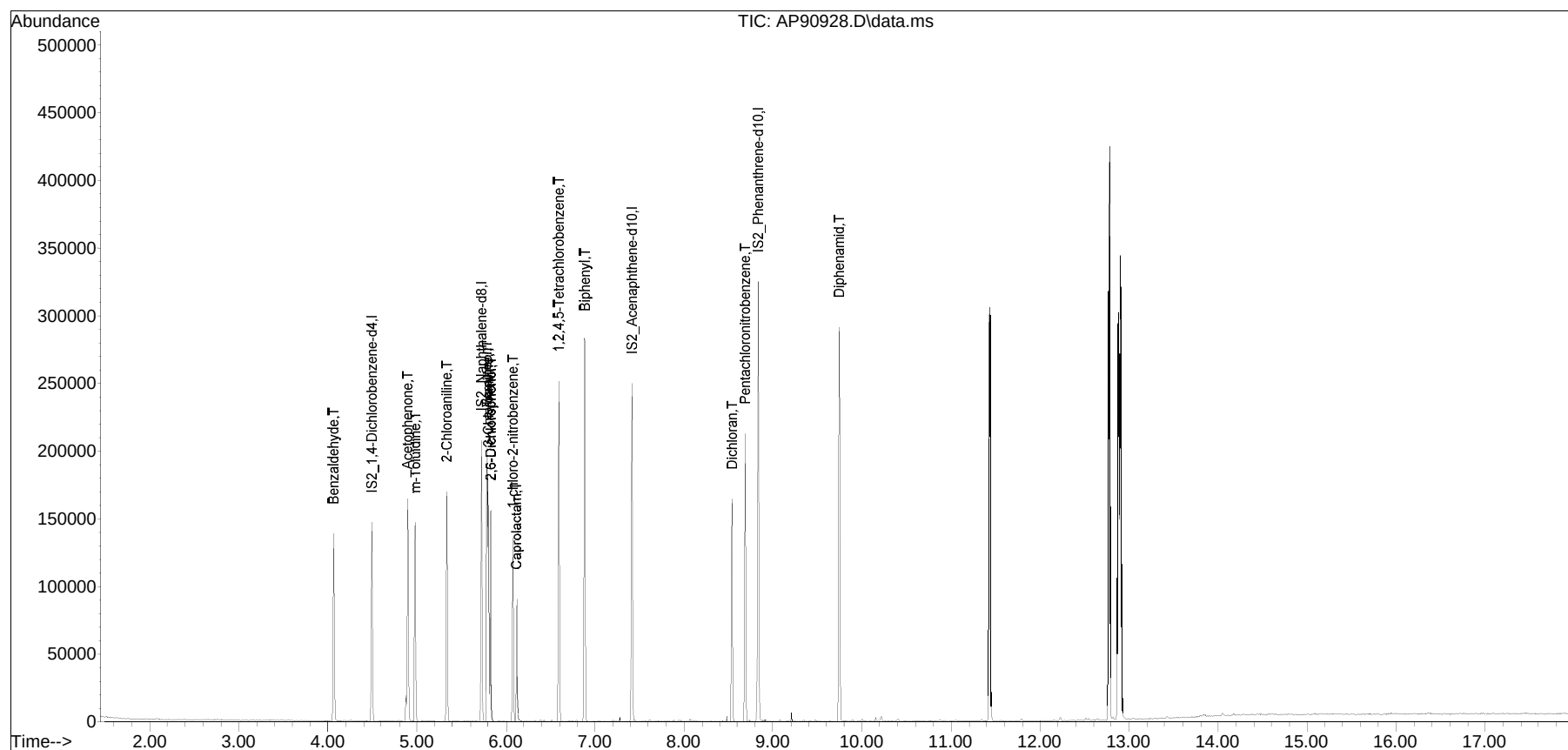
(#) = qualifier out of range (m) = manual integration (+) = signals summed

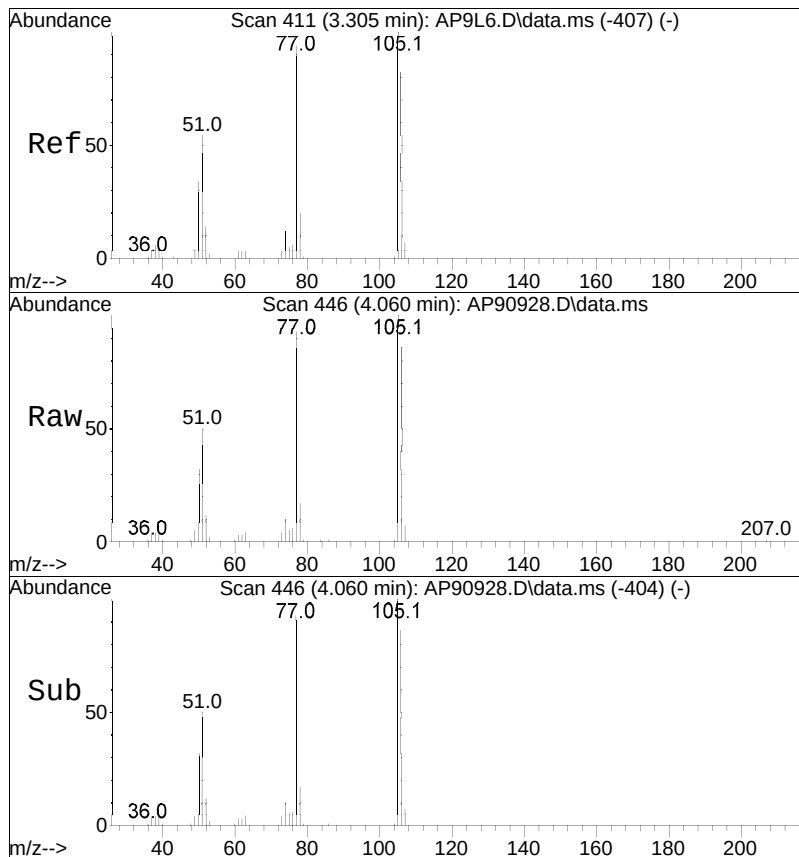
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : AP90928.D
 Acq On : 28 Sep 2025 06:09 pm
 Operator : SV112:smz
 Sample : wg2120745-4,32,,AP9 11662 gmr0814A
 Misc : wg2120745,,ical22560
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 28 18:26:37 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

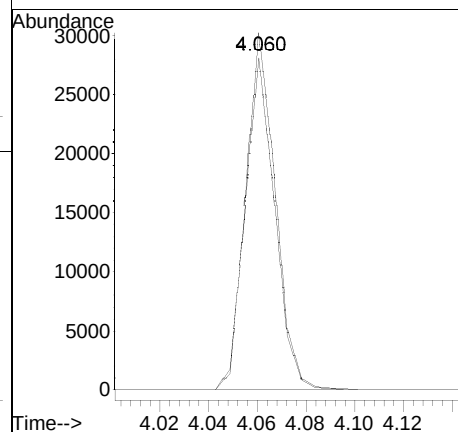
Sub List : AP9ical - AP9 ical sublist

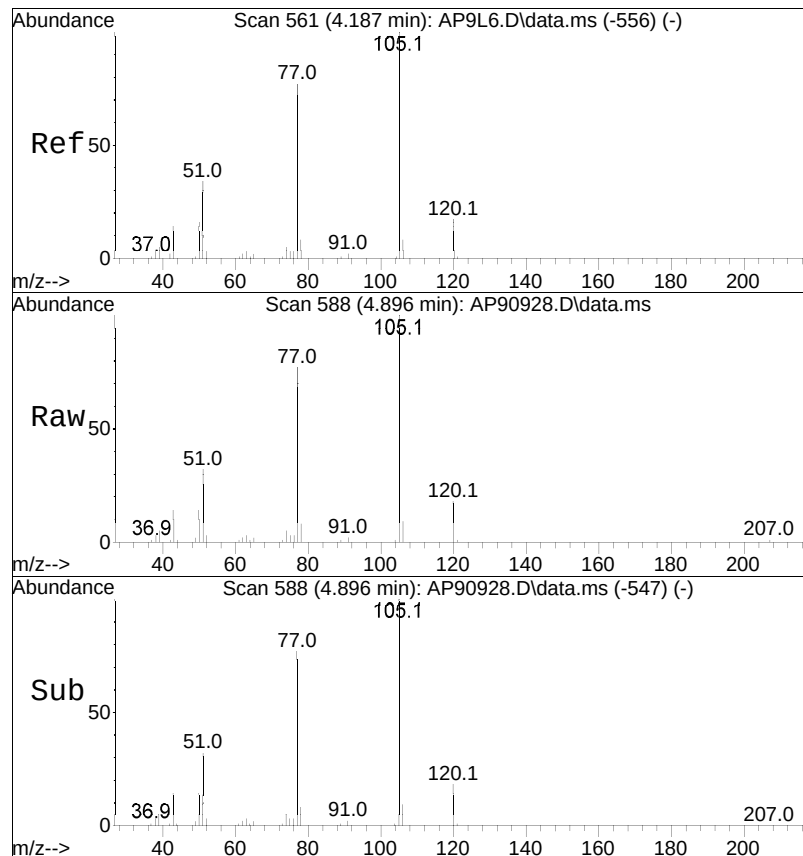




#28
 Benzaldehyde
 Concen: 8.25 ug/ml
 RT: 4.060 min Scan# 446
 Delta R.T. -0.000 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 06:09 pm

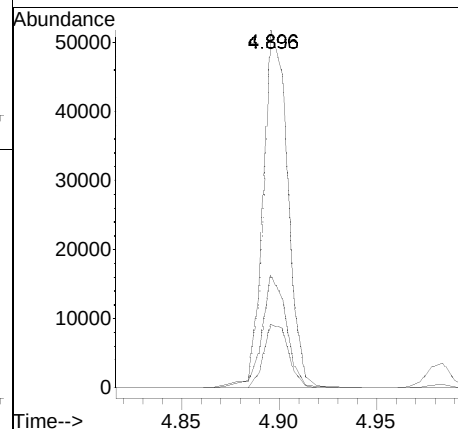
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	25550		
77	92.8		77.0	115.6

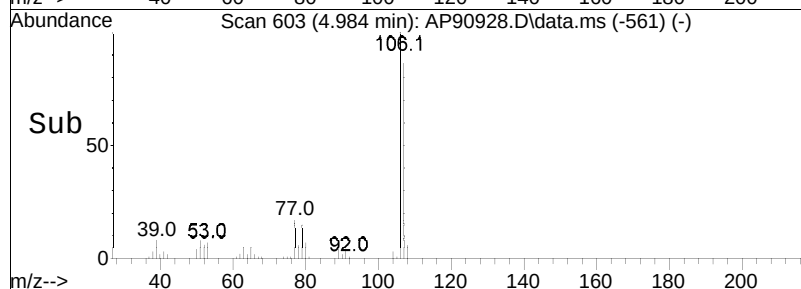
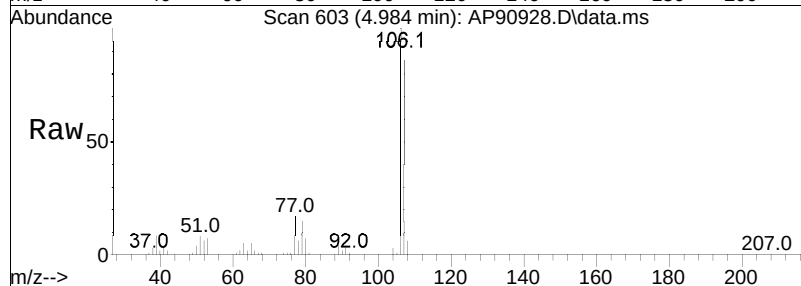
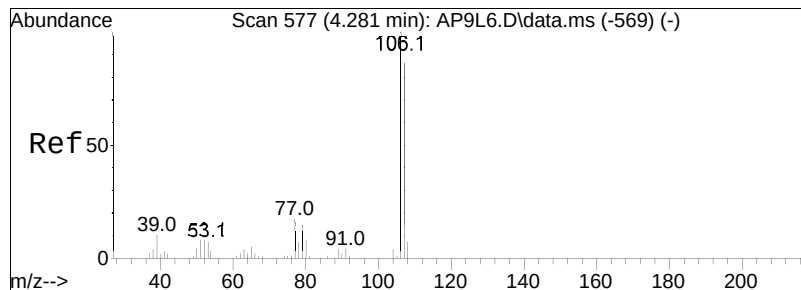




#29
 Acetophenone
 Concen: 4.37 ug/ml
 RT: 4.896 min Scan# 588
 Delta R.T. -0.006 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 06:09 pm

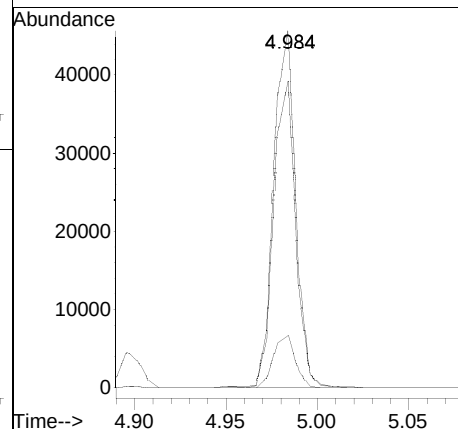
Tgt Ion:	105	Resp:	44922
Ion Ratio	Lower	Upper	
105	100		
120	18.0	15.2	22.8
51	32.0	23.1	34.7

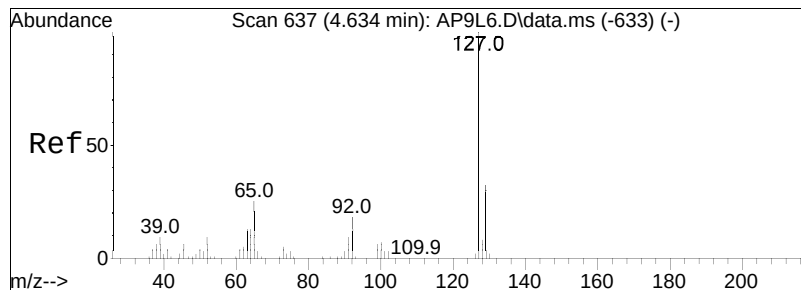




#30
 m-Toluidine
 Concen: 6.18 ug/ml
 RT: 4.984 min Scan# 603
 Delta R.T. -0.000 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 06:09 pm

Tgt Ion	Ratio	Lower	Upper
106	100		
107	86.4	72.3	108.5
79	14.7	12.2	18.2





#31

2-Chloroaniline

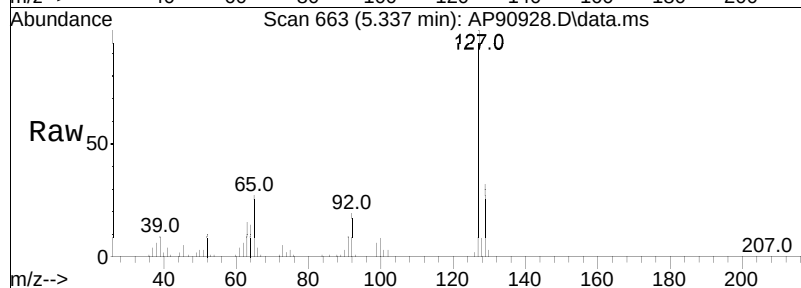
Concen: 4.59 ug/ml

RT: 5.337 min Scan# 663

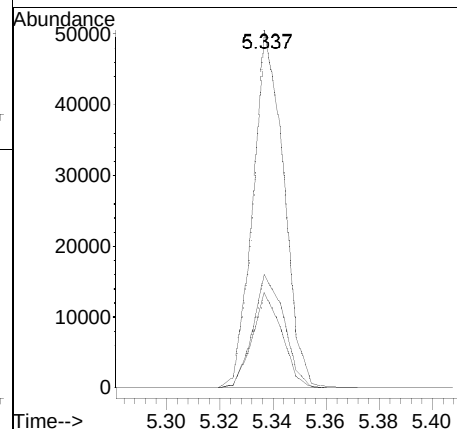
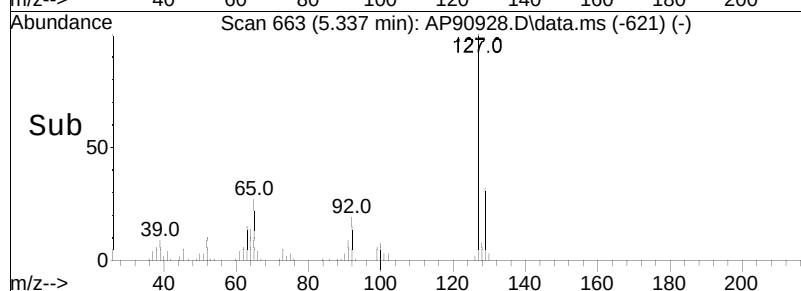
Delta R.T. -0.000 min

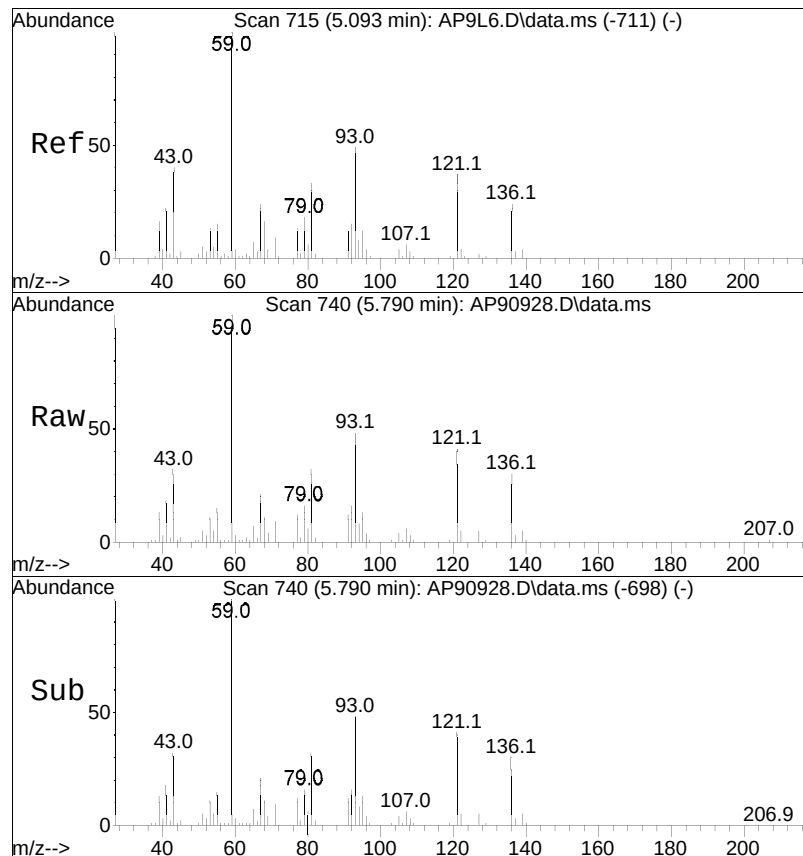
Lab File: AP90928.D

Acq: 28 Sep 2025 06:09 pm



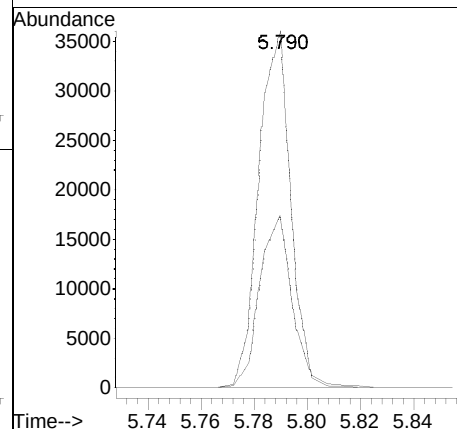
Tgt Ion:	127	Resp:	40233
Ion Ratio	Lower	Upper	
127	100		
129	32.2	25.7	38.5
65	26.0	20.5	30.7

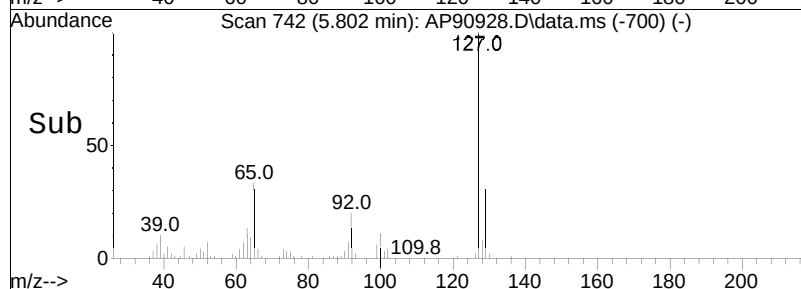
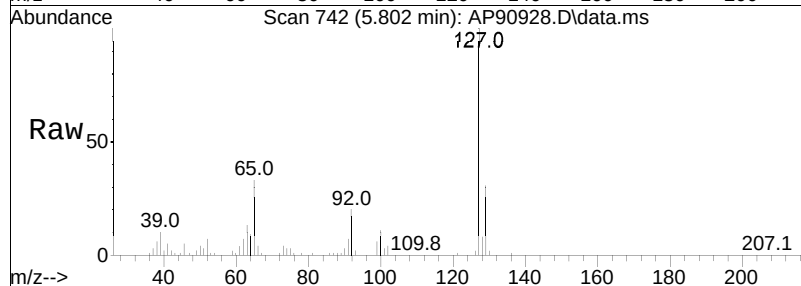
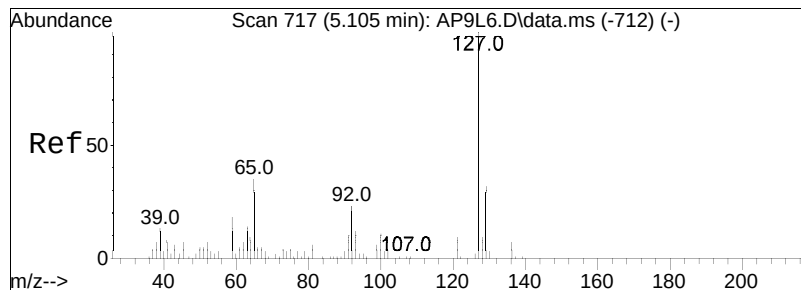




#56
a-Terpineol
Concen: 5.12 ug/ml
RT: 5.790 min Scan# 740
Delta R.T. -0.000 min
Lab File: AP90928.D
Acq: 28 Sep 2025 06:09 pm

Tgt	Ion	Ratio	Lower	Upper
59	100			
93	49.8	43.5	65.3	





#57

3-Chloroaniline

Concen: 5.45 ug/ml

RT: 5.802 min Scan# 742

Delta R.T. -0.000 min

Lab File: AP90928.D

Acq: 28 Sep 2025 06:09 pm

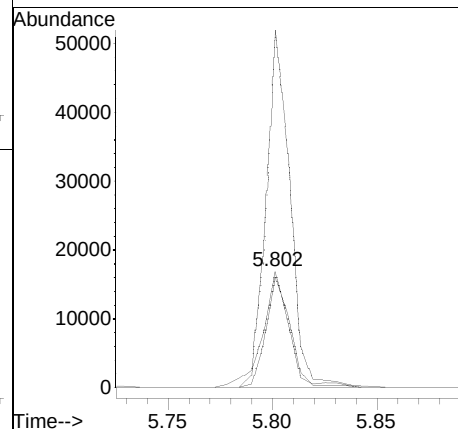
Tgt Ion: 65 Resp: 14664

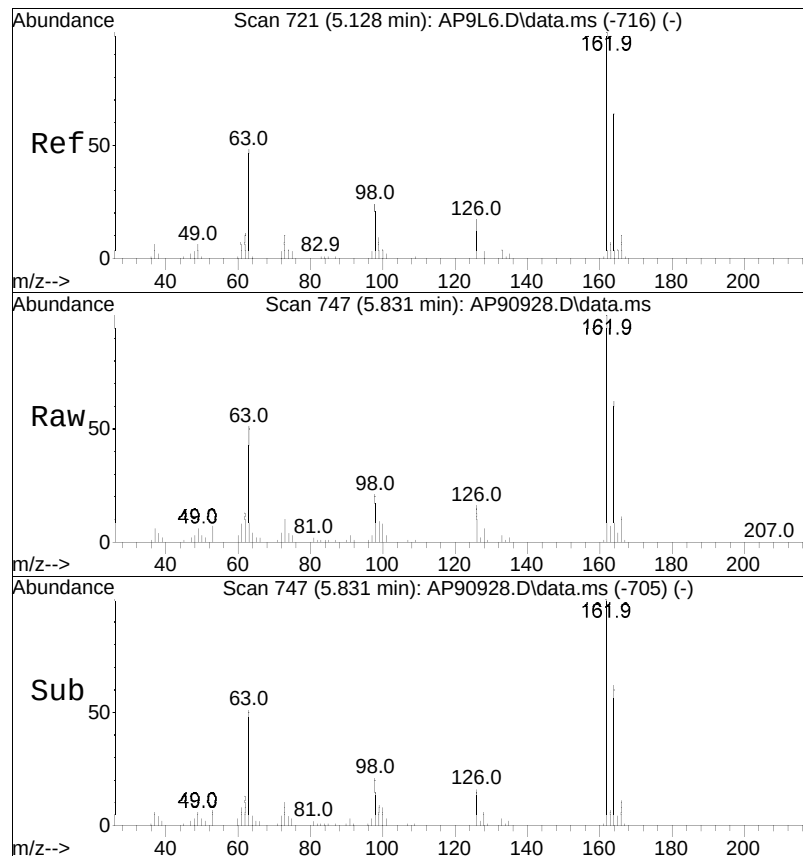
Ion Ratio Lower Upper

65 100

127 277.1 236.6 355.0

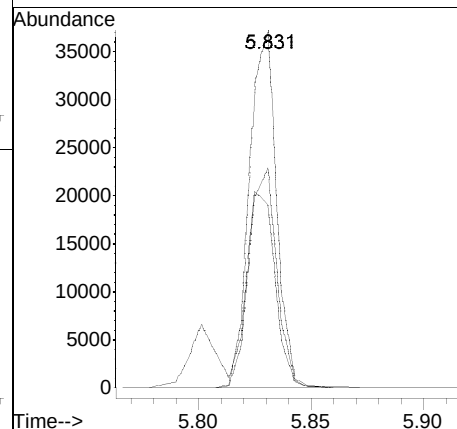
129 87.8 76.6 115.0

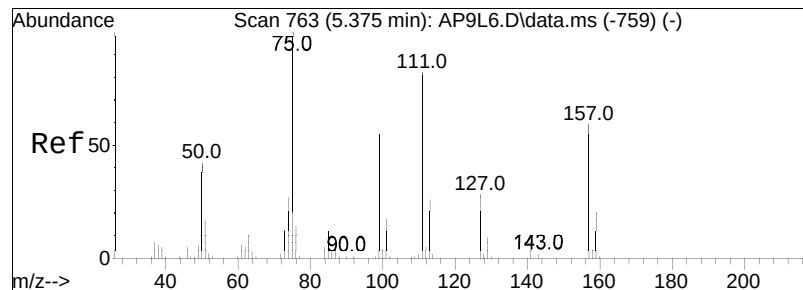




#58
 2,6-Dichlorophenol
 Concen: 5.65 ug/ml
 RT: 5.831 min Scan# 747
 Delta R.T. -0.000 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 06:09 pm

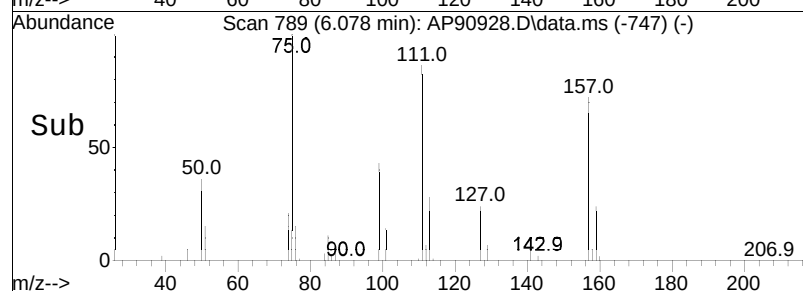
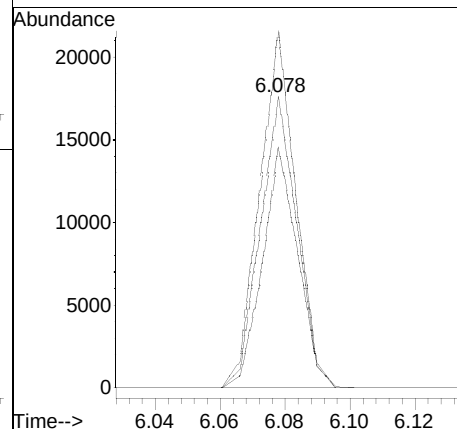
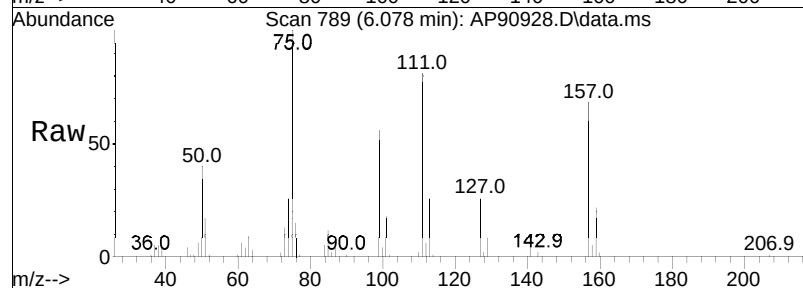
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	31013		
164	62.8		50.8	76.2
63	57.7		53.6	80.4

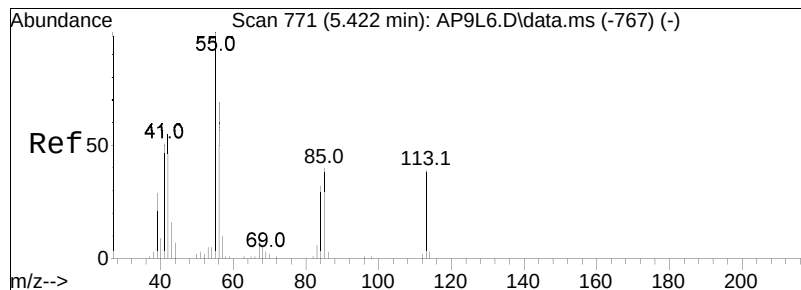




#59
 1-chloro-2-nitrobenzene
 Concen: 5.13 ug/ml
 RT: 6.078 min Scan# 789
 Delta R.T. -0.000 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 06:09 pm

Tgt Ion	Ratio	Lower	Upper
111	100		
157	79.7	56.2	84.2
75	120.8	97.8	146.6





#60

Caprolactam

Concen: 4.32 ug/ml

RT: 6.119 min Scan# 796

Delta R.T. -0.006 min

Lab File: AP90928.D

Acq: 28 Sep 2025 06:09 pm

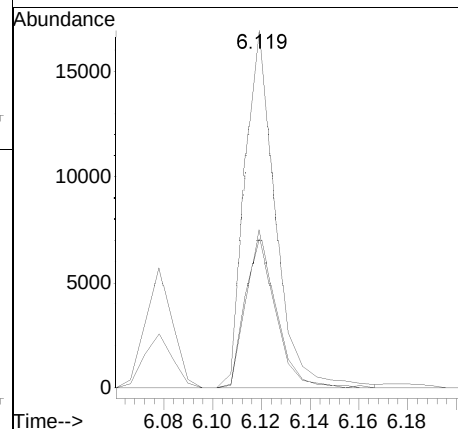
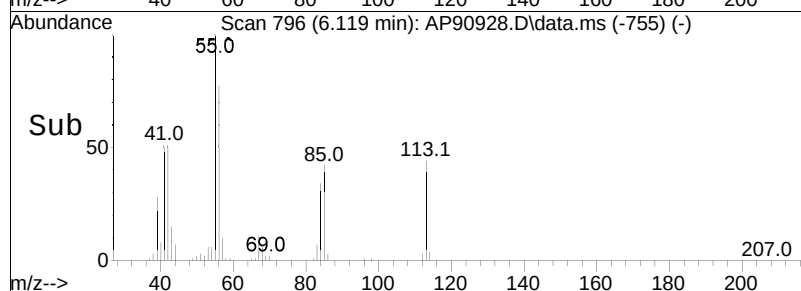
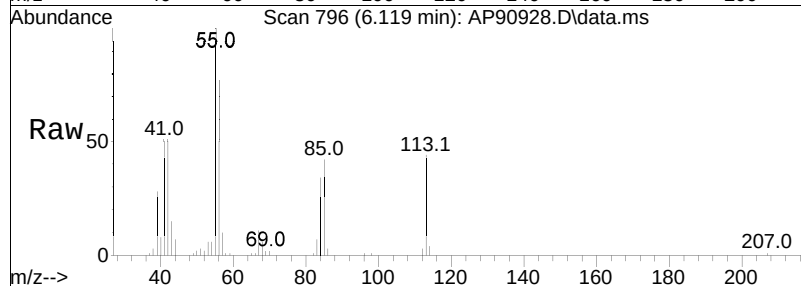
Tgt Ion: 55 Resp: 14880

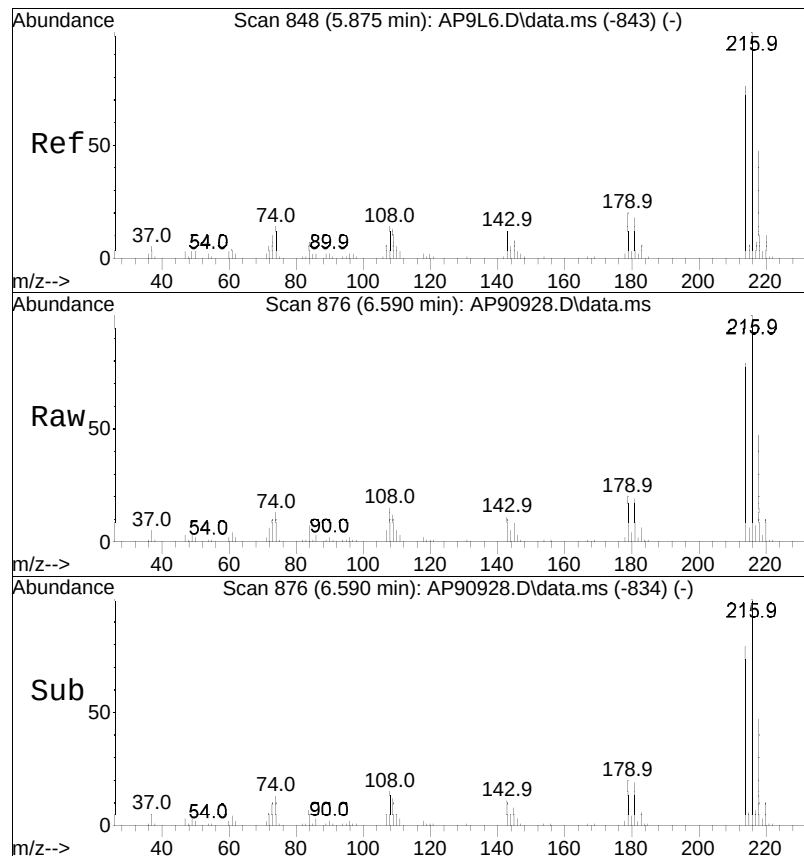
Ion Ratio Lower Upper

55 100

85 41.7 35.2 52.8

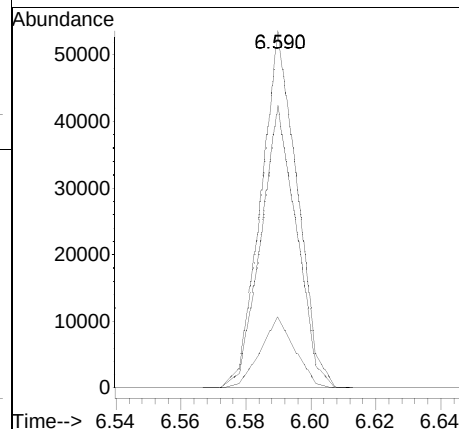
113 42.7 36.6 55.0

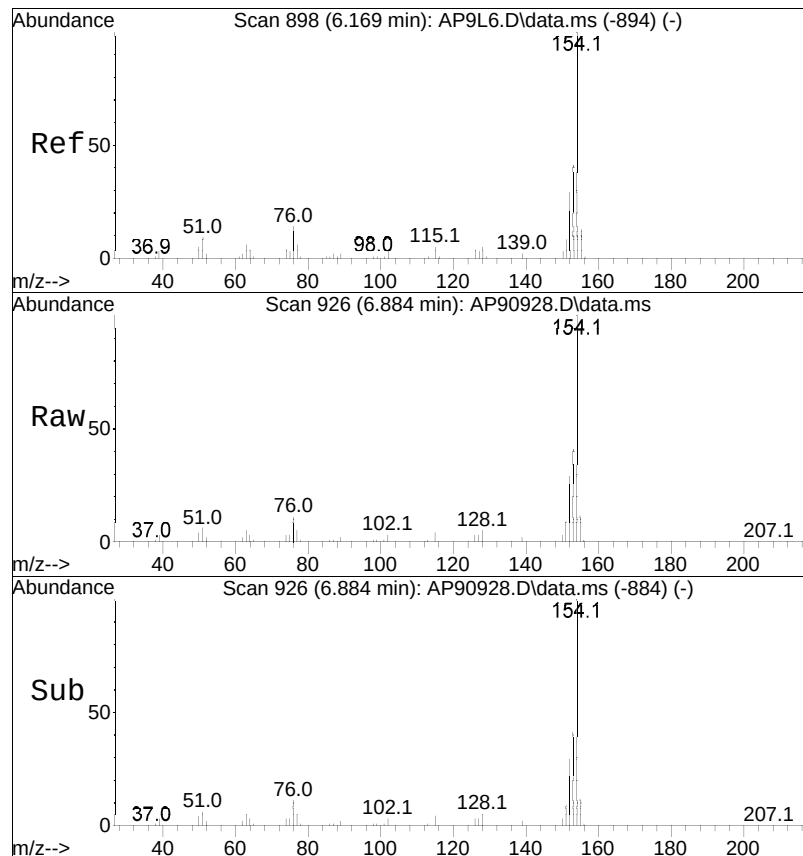




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.79 ug/ml
 RT: 6.590 min Scan# 876
 Delta R.T. -0.000 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 06:09 pm

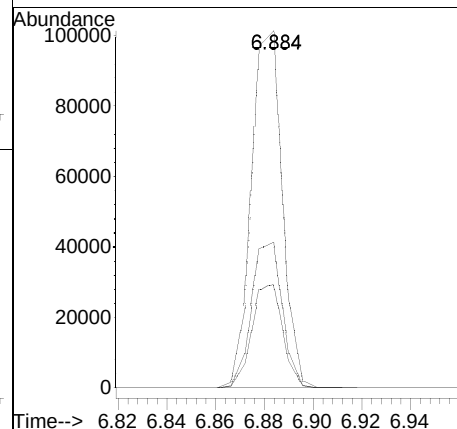
Tgt Ion:	216	Resp:	41245
Ion Ratio	Lower	Upper	
216	100		
214	78.0	64.0	96.0
179	19.1	18.7	28.1

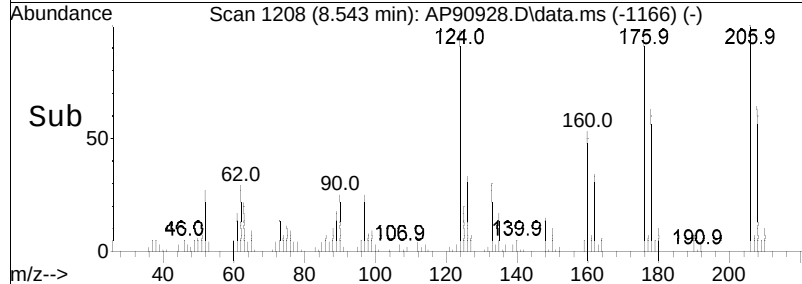
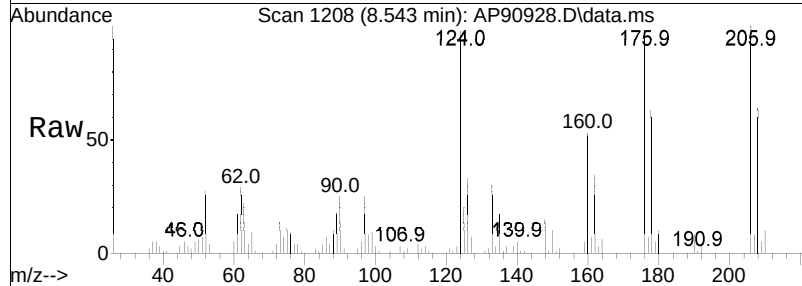
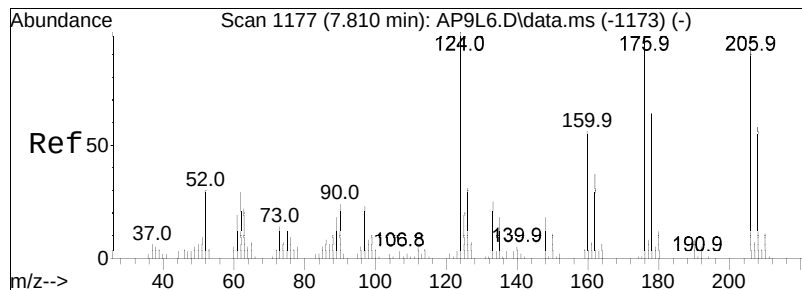




#62
 Biphenyl
 Concen: 4.68 ug/ml
 RT: 6.884 min Scan# 926
 Delta R.T. -0.000 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 06:09 pm

Tgt Ion:	154	Resp:	88877
Ion Ratio	Lower	Upper	
154	100		
153	40.8	32.5	48.7
152	29.1	22.6	34.0





#84

Dichloran

Concen: 5.35 ug/ml

RT: 8.543 min Scan# 1208

Delta R.T. -0.000 min

Lab File: AP90928.D

Acq: 28 Sep 2025 06:09 pm

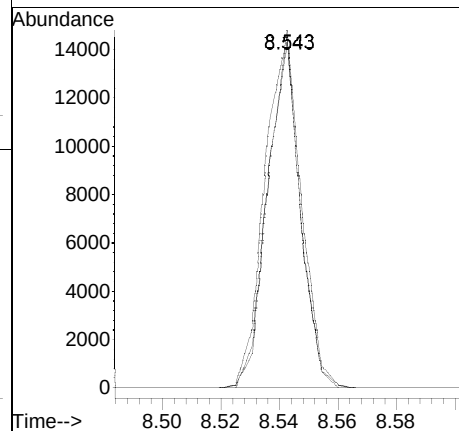
Tgt Ion: 206 Resp: 11565

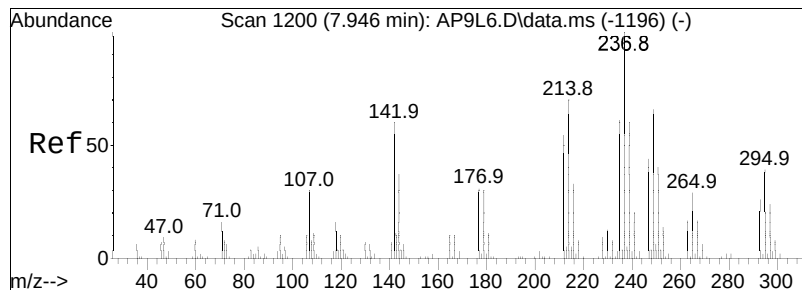
Ion Ratio Lower Upper

206 100

176 96.2 98.8 148.2#

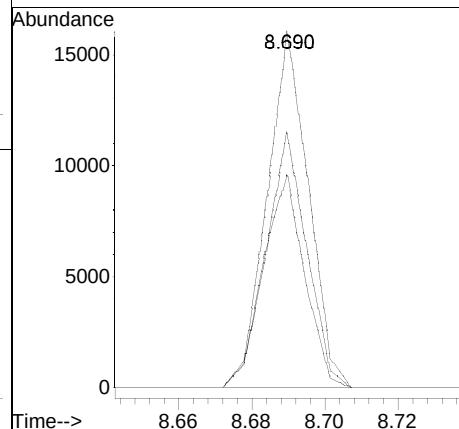
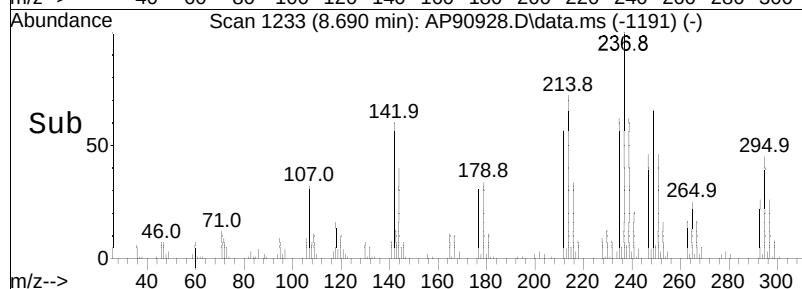
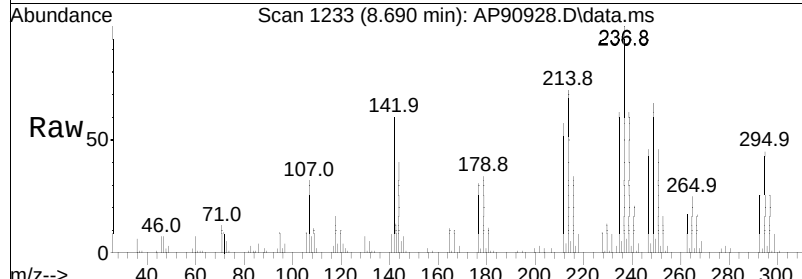
124 104.4 125.8 188.6#

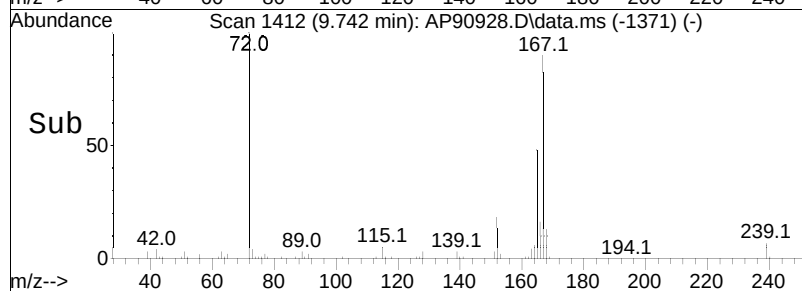
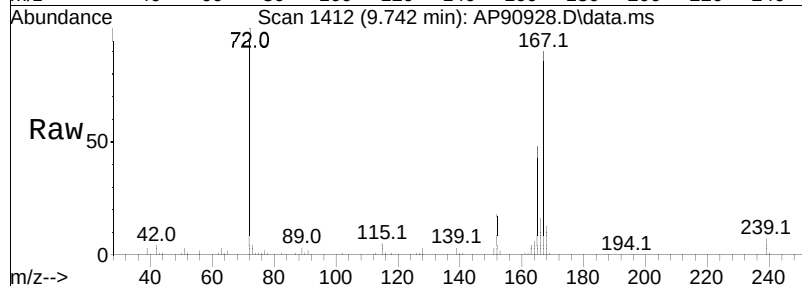
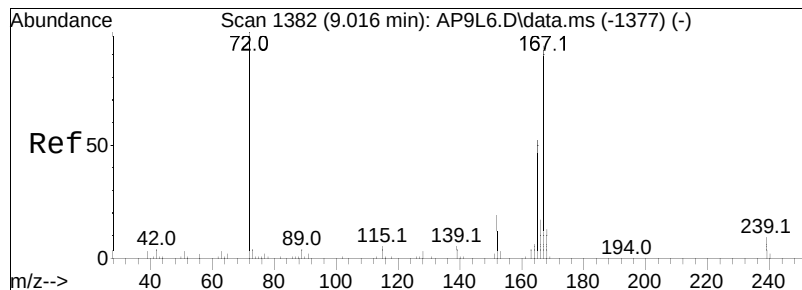




#85
 Pentachloronitrobenzene
 Concen: 5.08 ug/ml
 RT: 8.690 min Scan# 1233
 Delta R.T. -0.000 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 06:09 pm

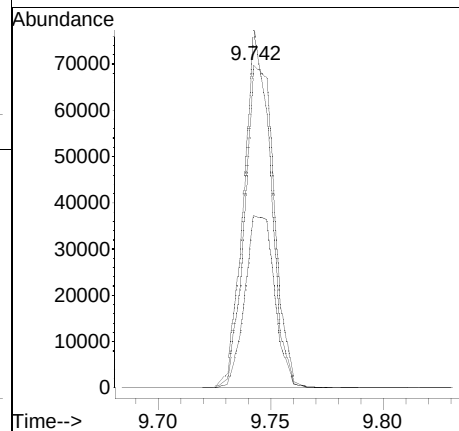
Tgt Ion	Ratio	Lower	Upper
237	100		
142	60.4	70.3	105.5#
214	70.6	59.4	89.2





#99
 Diphenamid
 Concen: 4.83 ug/ml
 RT: 9.742 min Scan# 1412
 Delta R.T. -0.006 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 06:09 pm

Tgt Ion	Ratio	Lower	Upper
167	100		
72	100.7	98.9	148.3
165	53.8	40.4	60.6



Manual Integration Report

Data Path : I:\8270\SV112\250928RVT\ QMethod : FS250817SV112RVT.m
Data File : AP90928.D Operator : SV112:smz
Date Inj'd : 9/28/2025 6:09 pm Instrument : SV112
Sample : wg2120745-4,32,,AP9 11662 QMethod : 9/28/2025 6:27 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250928RVT\
 Data File : ADP0928.D
 Acq On : 28 Sep 2025 06:31 pm
 Operator : SV112:smz
 Sample : wg2120745-5,32,,ADP 11661 gmr0913A
 Misc : wg2120745,,ical22560
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 28 18:49:21 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
33 T	1,4-Dioxane	0.546	0.465	14.8	97	0.00
34 T	n-Decane	1.602	1.494	6.7	99	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	88	0.00
87 T	Atrazine	0.463	0.429	7.3	80	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	84	0.00
101 T	n-Octadecane	0.496	0.435	12.3	74	0.00
102 T	Parathion	0.106	0.091	14.2	77	0.00
103 T	3,3'-Dimethylbenzidine	0.737	0.592	19.7	65	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : ADP0928.D
 Acq On : 28 Sep 2025 06:31 pm
 Operator : SV112:smz
 Sample : wg2120745-5,32,,ADP 11661 gmr0913A
 Misc : wg2120745,,ical22560
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 28 18:49:21 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.496	152	18530	4.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	7.419	164	41487	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	8.837	188	92101	4.000	ug/ml #	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.573	88	10768	4.257	ug/ml#	72
34) n-Decane	4.390	57	34594	4.662	ug/ml	95
87) Atrazine	8.625	200	22264	4.638	ug/ml	98
101) n-Octadecane	8.831	57	50099	4.386	ug/ml	98
102) Parathion	9.625	109	10492	4.283	ug/ml#	87
103) 3,3'-Dimethylbenzidine	10.884	212	68174	4.018	ug/ml	99

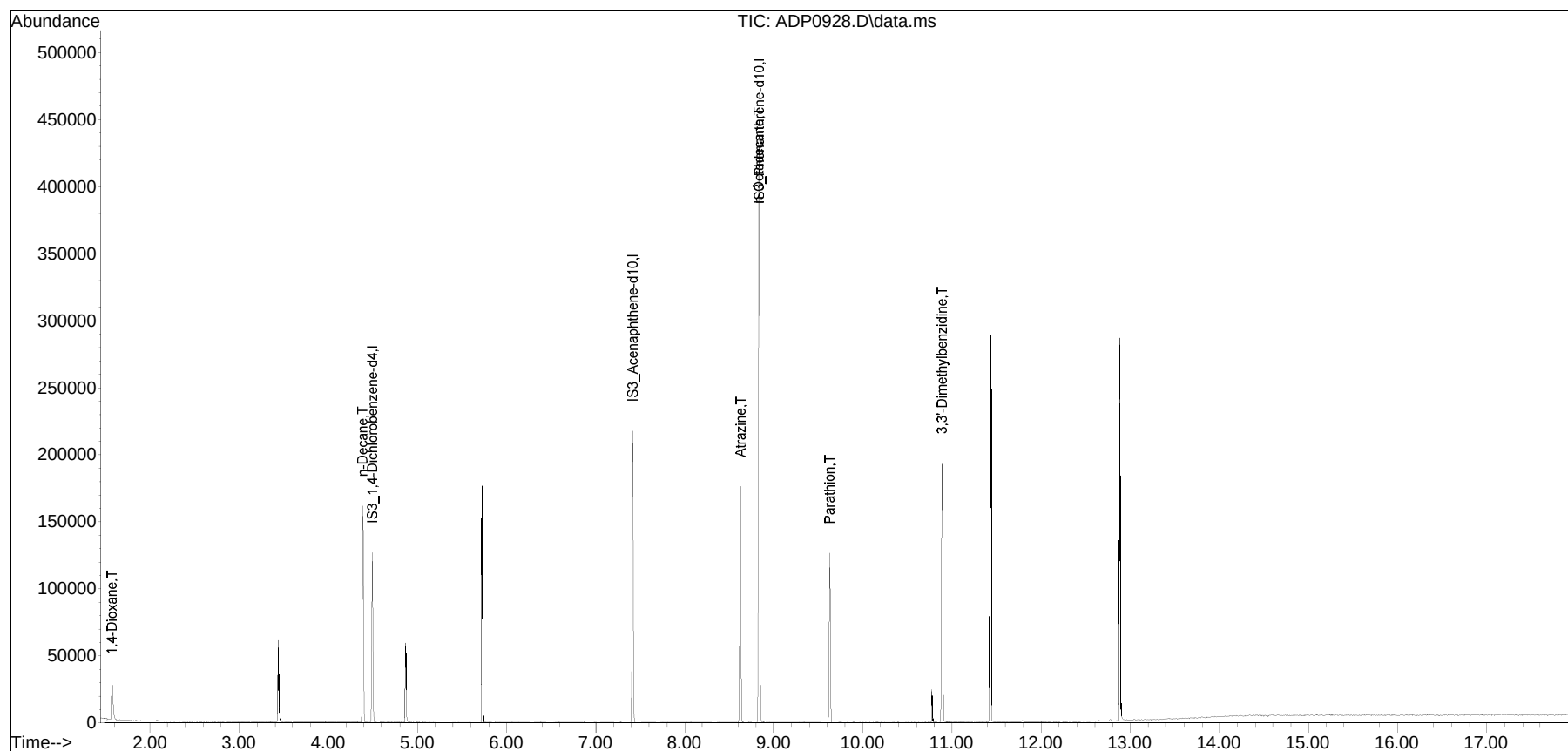
(#) = qualifier out of range (m) = manual integration (+) = signals summed

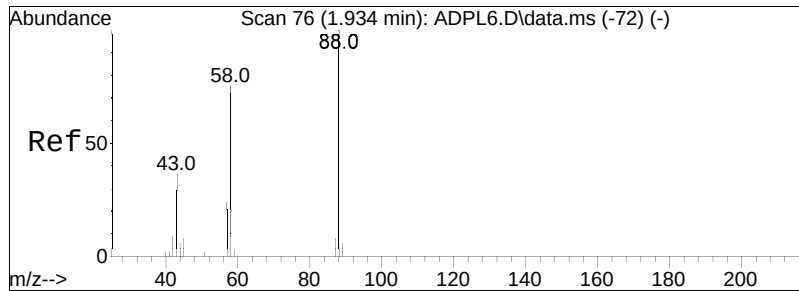
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250928RVT\
 Data File : ADP0928.D
 Acq On : 28 Sep 2025 06:31 pm
 Operator : SV112:smz
 Sample : wg2120745-5,32,,ADP 11661 gmr0913A
 Misc : wg2120745,,ical22560
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 28 18:49:21 2025
 Quant Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 13:23:41 2025
 Response via : Initial Calibration

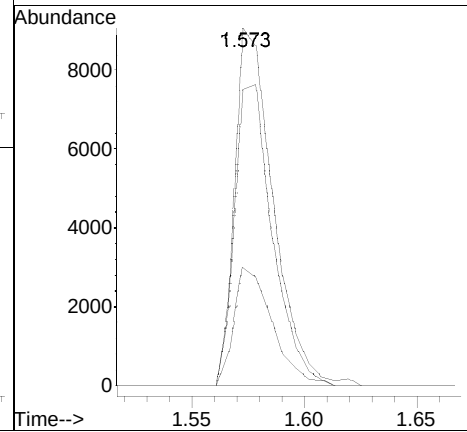
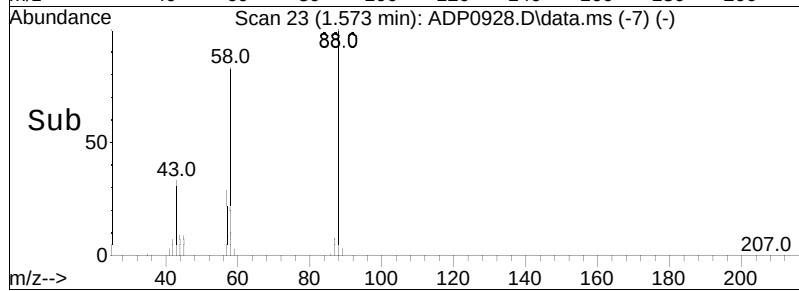
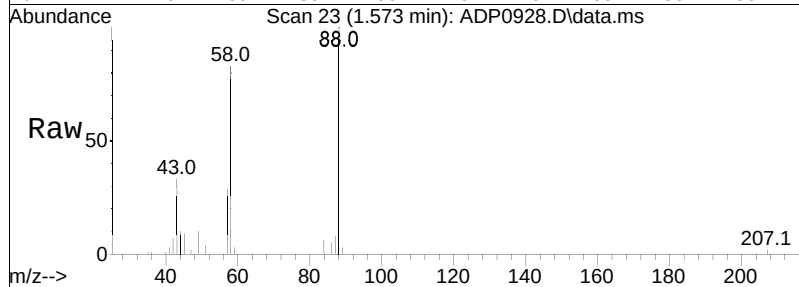
Sub List : ADPical_REV2 - ADP sublist

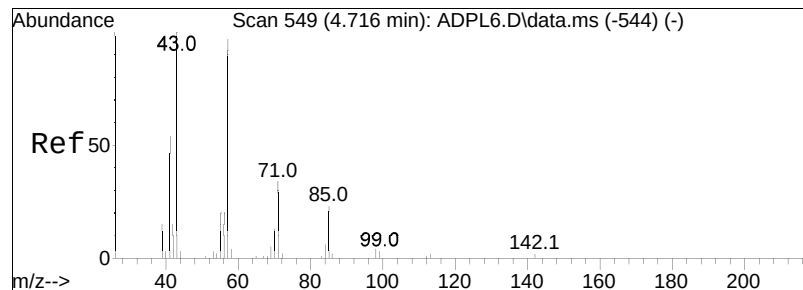




#33
 1,4-Dioxane
 Concen: 4.26 ug/ml
 RT: 1.573 min Scan# 23
 Delta R.T. -0.006 min
 Lab File: ADP0928.D
 Acq: 28 Sep 2025 06:31 pm

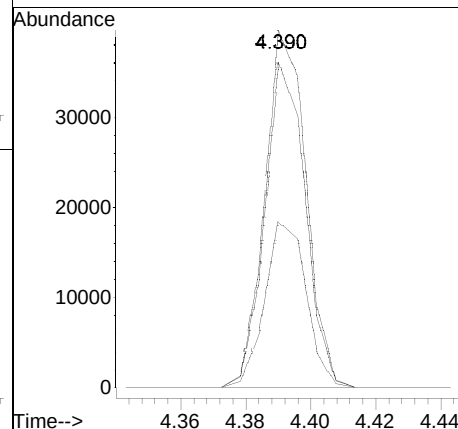
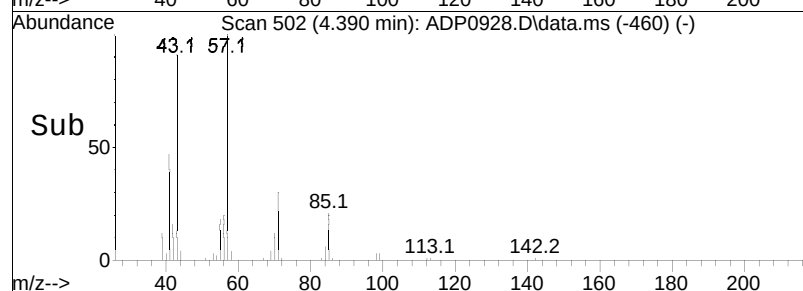
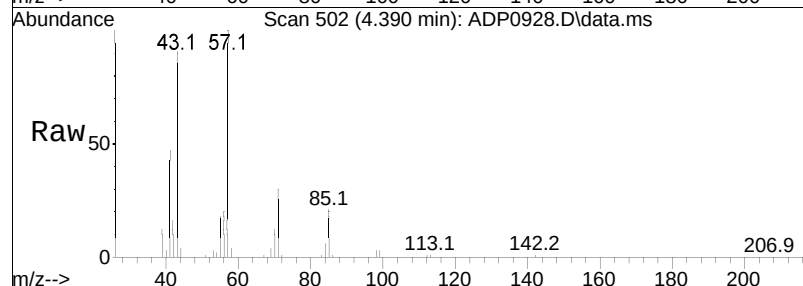
Tgt Ion: 88 Resp: 10768
 Ion Ratio Lower Upper
 88 100
 58 82.6 44.8 67.2#
 43 33.1 22.4 33.6

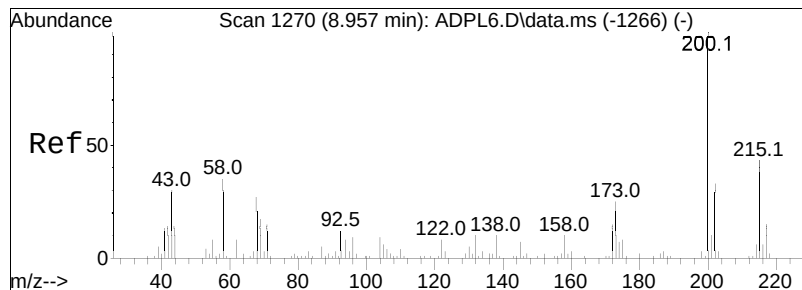




#34
 n-Decane
 Concen: 4.66 ug/ml
 RT: 4.390 min Scan# 502
 Delta R.T. -0.006 min
 Lab File: ADP0928.D
 Acq: 28 Sep 2025 06:31 pm

Tgt Ion	Ratio	Lower	Upper
57	100		
43	89.2	75.4	113.2
41	47.0	35.0	52.6





#87

Atrazine

Concen: 4.64 ug/ml

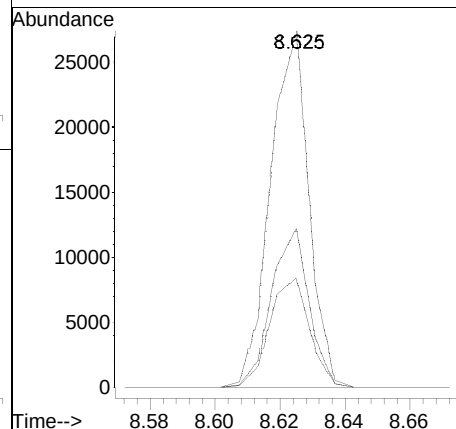
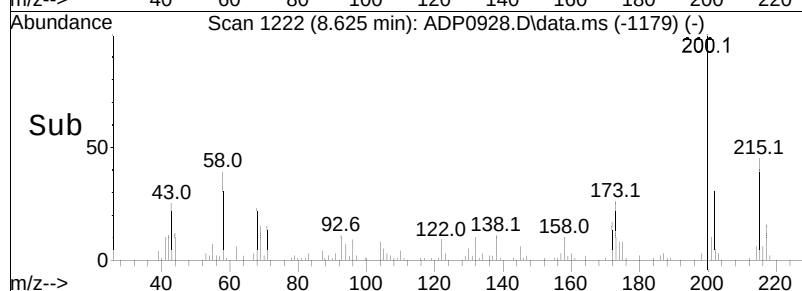
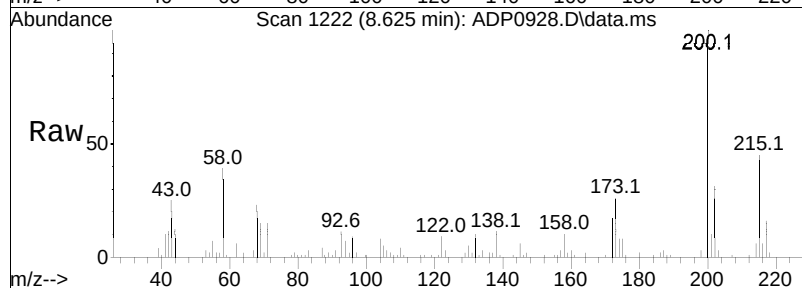
RT: 8.625 min Scan# 1222

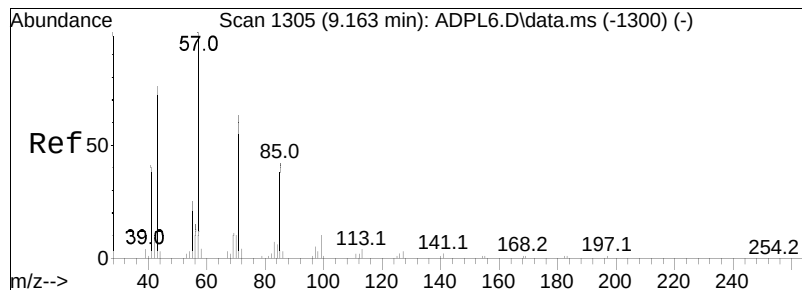
Delta R.T. 0.000 min

Lab File: ADP0928.D

Acq: 28 Sep 2025 06:31 pm

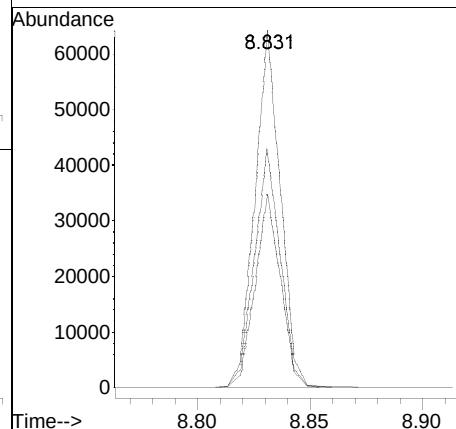
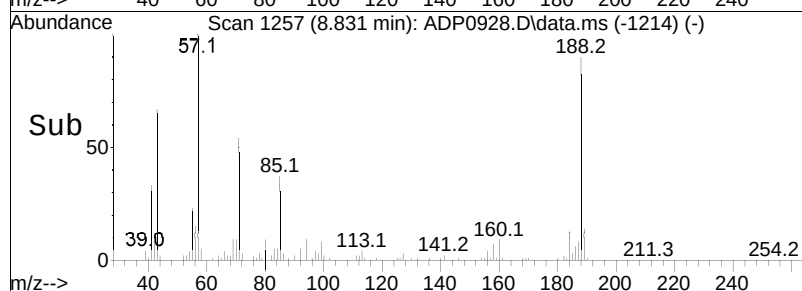
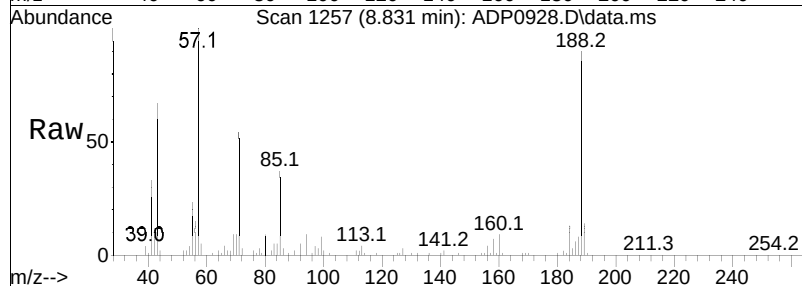
Tgt Ion:	200	Resp:	22264
Ion Ratio	Lower	Upper	
200	100		
202	32.3	25.0	37.6
215	44.0	34.5	51.7

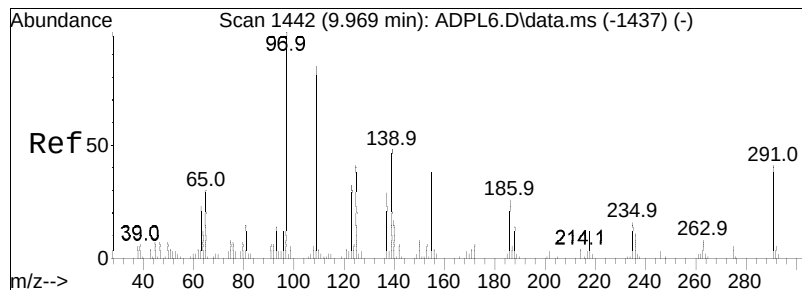




#101
n-Octadecane
Concen: 4.39 ug/ml
RT: 8.831 min Scan# 1257
Delta R.T. 0.000 min
Lab File: ADP0928.D
Acq: 28 Sep 2025 06:31 pm

Tgt	Ion: 57	Resp:	50099
Ion	Ratio	Lower	Upper
57	100		
43	67.5	54.3	81.5
71	53.8	45.1	67.7





#102

Parathion

Concen: 4.28 ug/ml

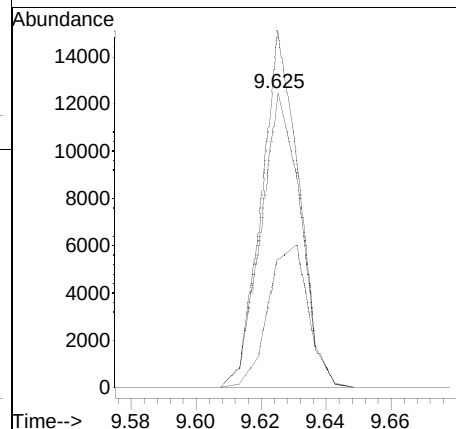
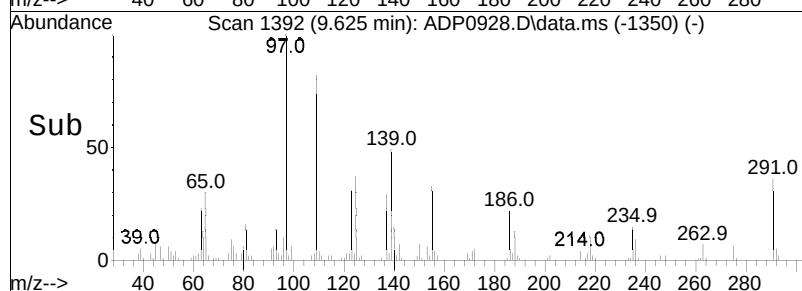
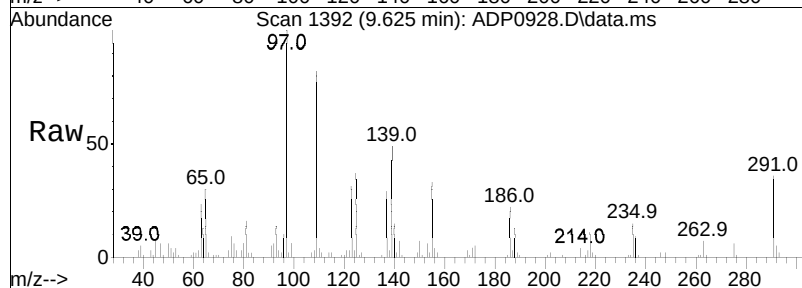
RT: 9.625 min Scan# 1392

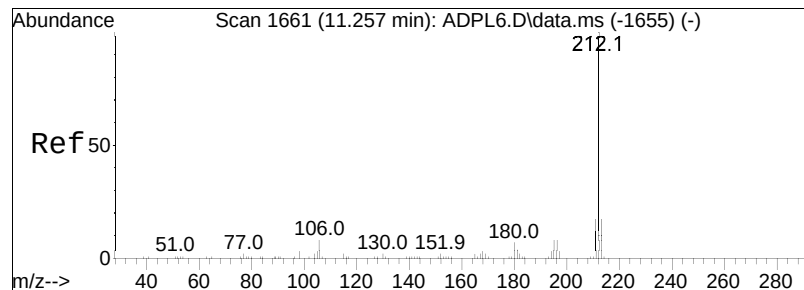
Delta R.T. -0.006 min

Lab File: ADP0928.D

Acq: 28 Sep 2025 06:31 pm

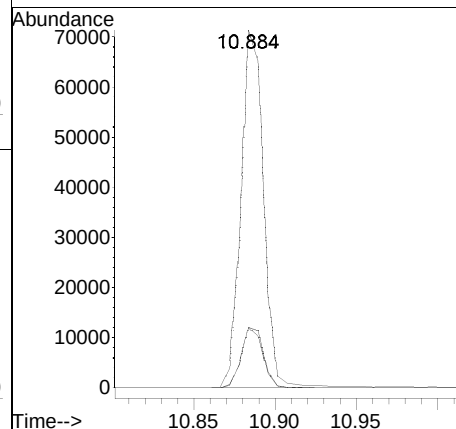
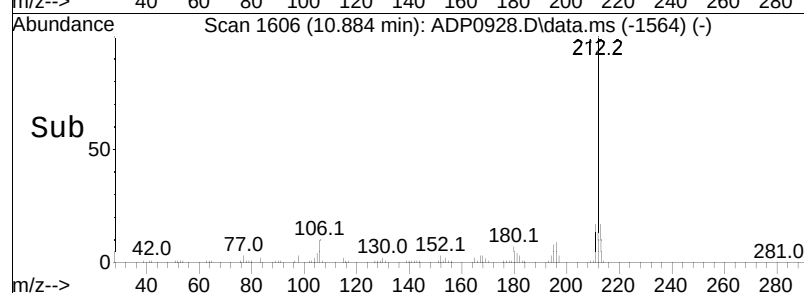
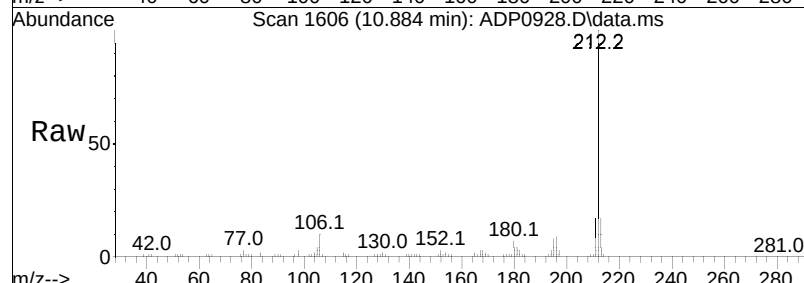
Tgt Ion	Ratio	Lower	Upper
109	100		
97	114.0	85.4	128.2
291	49.3	25.4	38.2





#103
 3,3'-Dimethylbenzidine
 Concen: 4.02 ug/ml
 RT: 10.884 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: ADP0928.D
 Acq: 28 Sep 2025 06:31 pm

Tgt Ion	Ratio	Lower	Upper
212	100		
211	16.9	13.3	19.9
213	16.1	13.4	20.2



Manual Integration Report

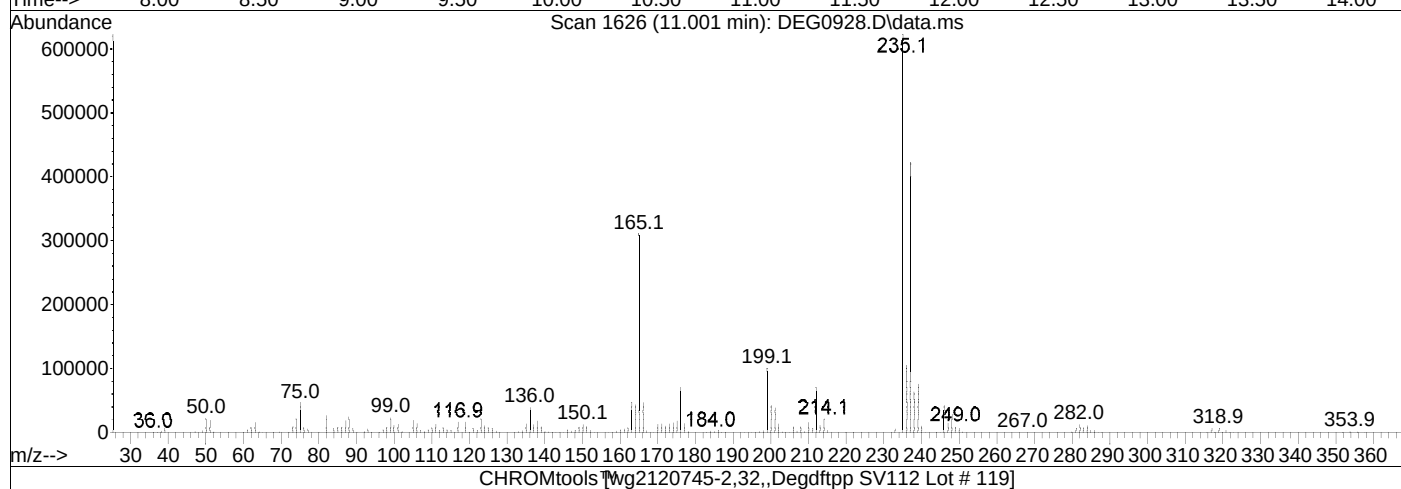
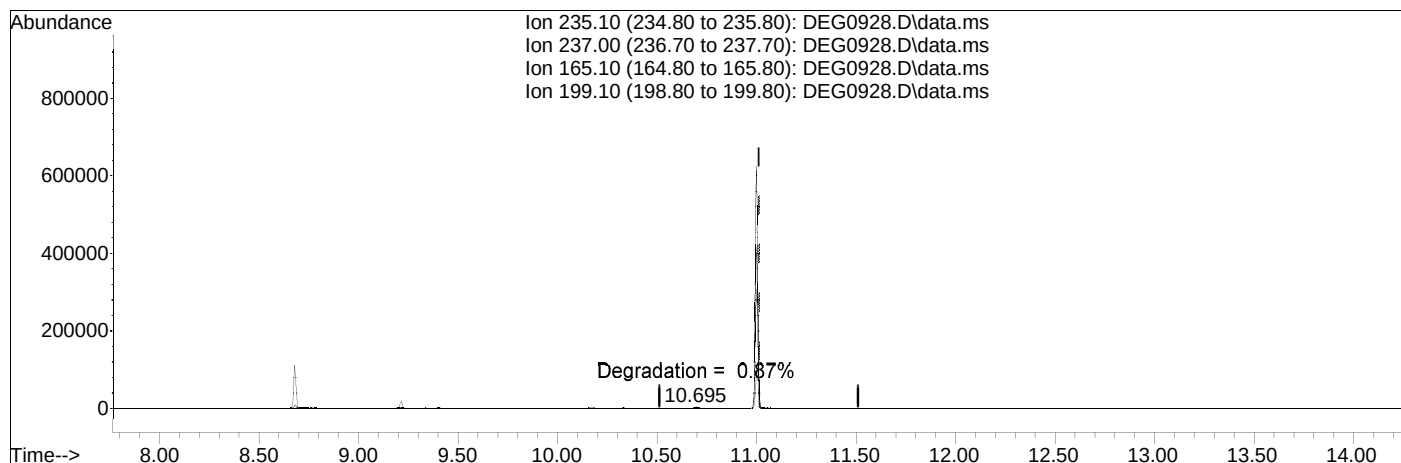
Data Path : I:\8270\SV112\250928RVT\ QMethod : FS250817SV112RVT.m
Data File : ADP0928.D Operator : SV112:smz
Date Inj'd : 9/28/2025 6:31 pm Instrument : SV112
Sample : wg2120745-5,32,,ADP 11661 Qma0010Ate : 9/28/2025 6:50 pm

There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250928RVT\
Data File : DEG0928.D
Acq On : 28 Sep 2025 05:23 pm
Operator : SV112:smz
Sample : wg2120745-2,32,,Degdftpp SV112 Lot # 119
Misc : wg2120745,,ical22560
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 28 17:51:01 2025
Quant Method : I:\8270\SV112\250928RVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration



CHROMtools [wg2120745-2,32,,Degdftpp SV112 Lot # 119]

(6) DDT (T)

11.001min (-0.012) 0.00

response 566997

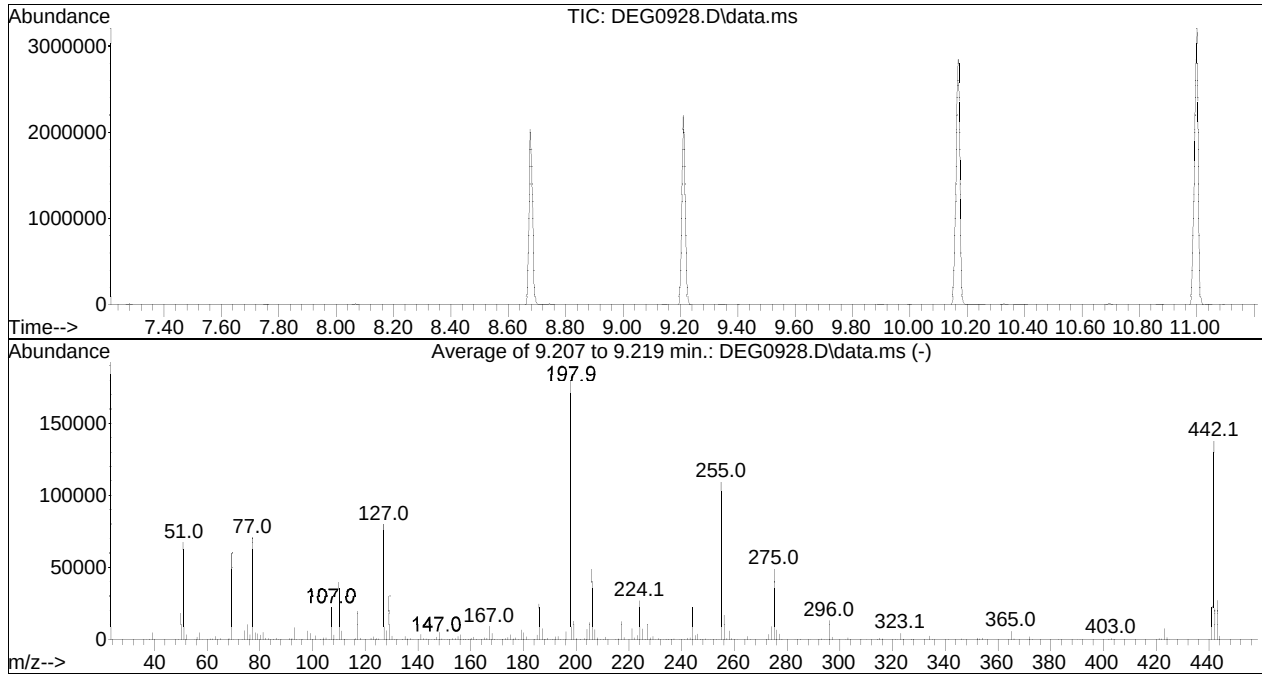
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	71.30	66.69
165.10	47.10	49.82
199.10	16.40	15.81

DFTPP

Data Path : I:\8270\SV112\250928RVT\
 Data File : DEG0928.D
 Acq On : 28 Sep 2025 05:23 pm
 Operator : SV112:smz
 Sample : wg2120745-1,32,,Degdftpp SV112 Lot # 119
 Misc : wg2120745,,ical22560
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\250928RVT\FS250817SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Sep 29 09:51:33 2025



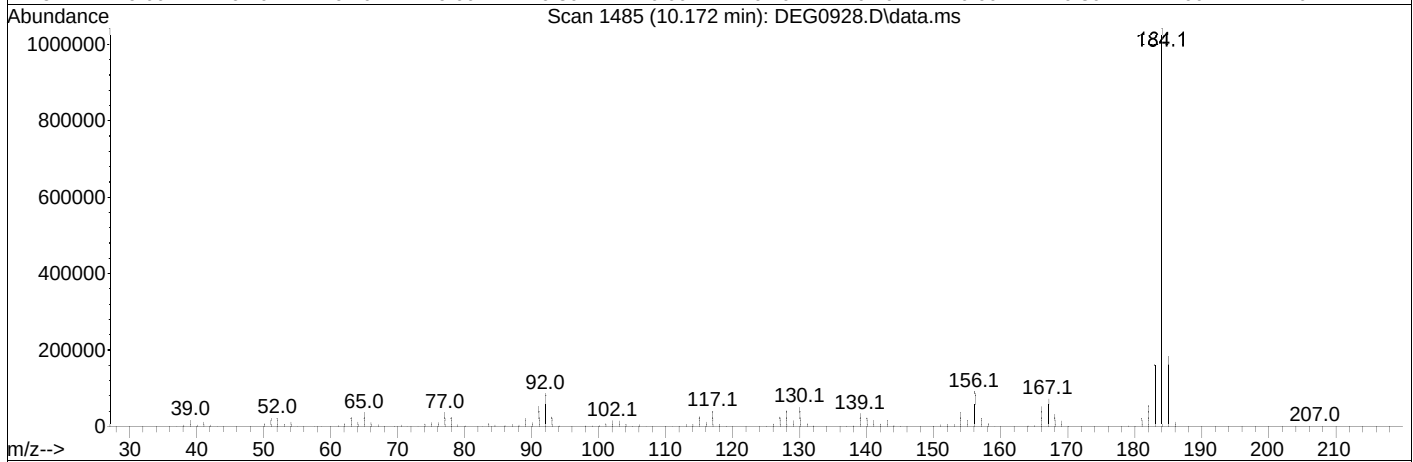
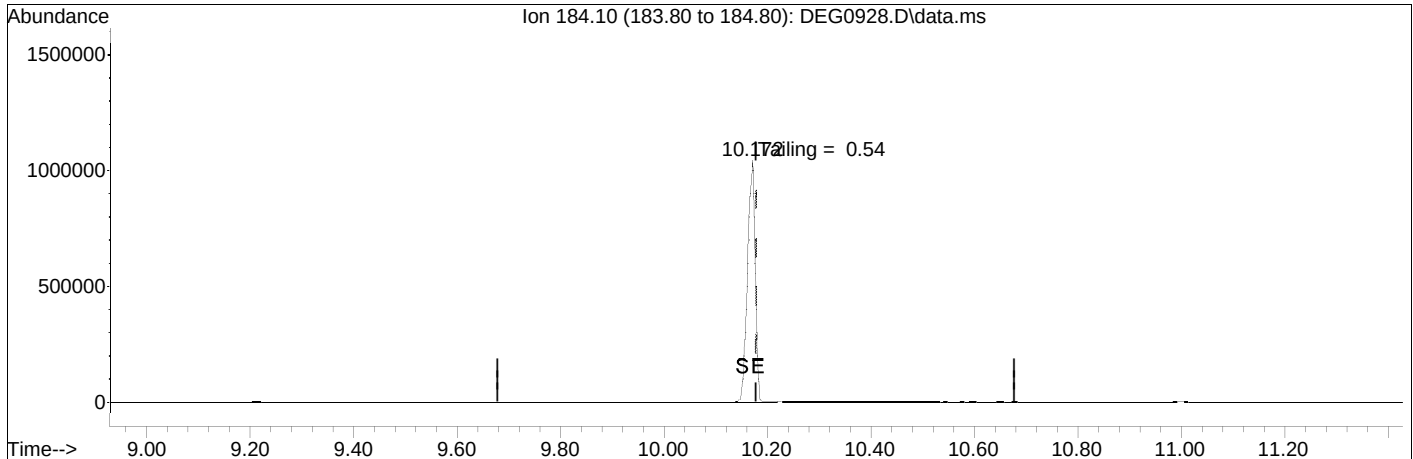
Spectrum Information: Average of 9.207 to 9.219 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.8	67400	PASS
68	69	0.00	2	1.8	1068	PASS
69	69	100	100	100.0	60475	PASS
70	69	0.00	2	0.5	293	PASS
127	198	10	80	43.5	79707	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	183152	PASS
199	198	5	9	6.9	12588	PASS
275	198	10	60	26.6	48715	PASS
365	198	1	100	3.1	5604	PASS
441	442	0.01	24	17.2	23619	PASS
442	198	50	100	75.1	137611	PASS
443	442	15	24	19.8	27229	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250928RVT\
 Data File : DEG0928.D
 Acq On : 28 Sep 2025 05:23 pm
 Operator : SV112:smz
 Sample : wg2120745-6,32,,Degdftpp SV112 Lot # 119
 Misc : wg2120745,,ical22560
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 28 17:51:01 2025
 Quant Method : I:\8270\SV112\250928RVT\DftppSV112.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Feb 26 15:45:52 2025
 Response via : Initial Calibration



CHROMtools [wg2120745-6,32,,Degdftpp SV112 Lot # 119]

(3) Benizidine (T)

10.172min (-0.006) 0.00

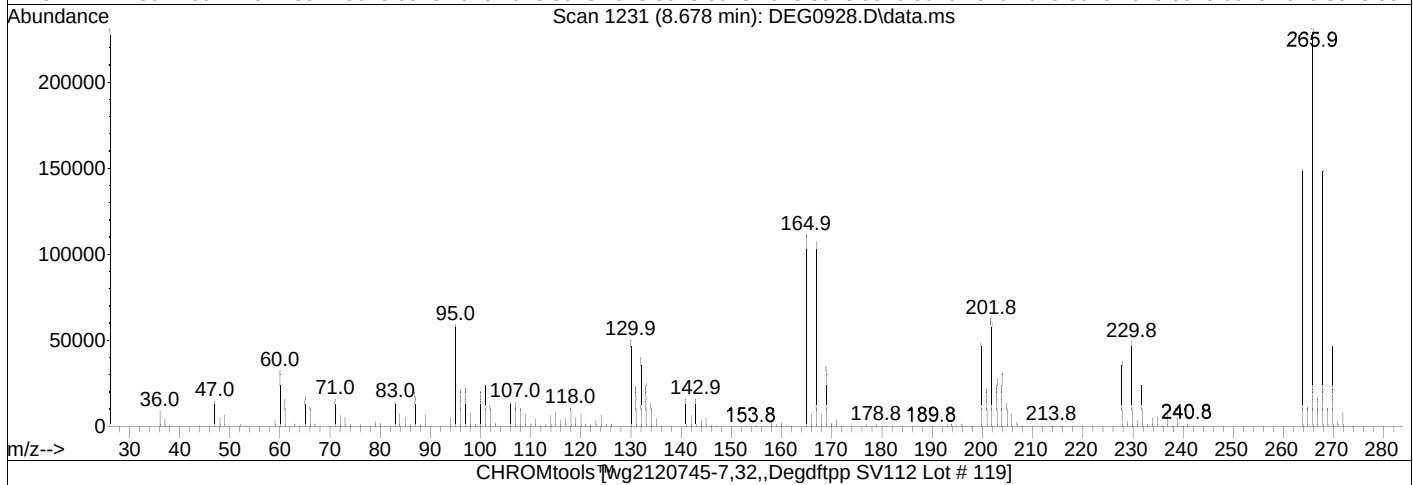
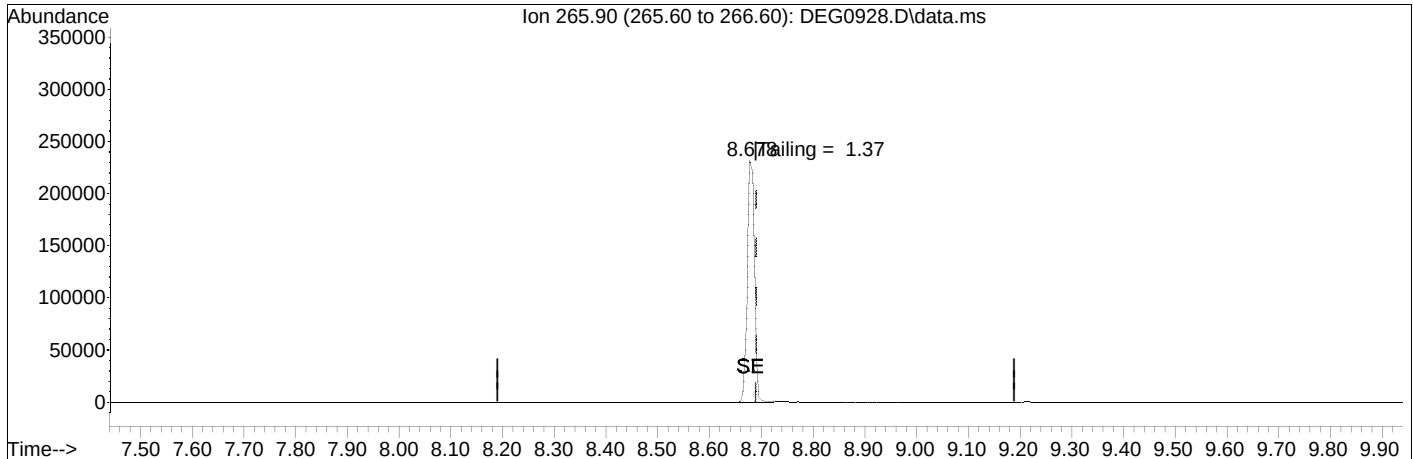
response 1028947

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250928RVT\
Data File : DEG0928.D
Acq On : 28 Sep 2025 05:23 pm
Operator : SV112:smz
Sample : wg2120745-7,32,,Degdftpp SV112 Lot # 119
Misc : wg2120745,,ical22560
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 28 17:51:01 2025
Quant Method : I:\8270\SV112\250928RVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration



(1) Pentachlorophenol (T)

8.678min (-0.012) 0.00

response 213167

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	124	0
n-Nitrosodimethylamine	0.659	0.699	-	-6.1	20	119	0
Pyridine	1.237	0.692	-	44.1*	20	68	0
2-Fluorophenol	1.032	1.016	-	1.6	20	115	0
Aniline	1.692	1.67	-	1.3	20	114	0
2-Chlorophenol	1.228	1.22	-	0.7	20	118	0
Phenol-d6	1.268	1.281	-	-1	20	117	0
Phenol	1.412	1.396	-	1.1	20	118	0
Bis(2-chloroethyl)ether	1.193	1.123	-	5.9	20	118	0
1,3-Dichlorobenzene	1.558	1.416	-	9.1	20	113	0
1,4-Dichlorobenzene	1.592	1.457	-	8.5	20	114	0
1,2-Dichlorobenzene	1.528	1.43	-	6.4	20	117	0
Benzyl alcohol	0.928	0.94	-	-1.3	20	120	0
Bis(2-chloroisopropyl)ethe	1.867	1.858	-	0.5	20	123	0
2-Methylphenol	1.04	1.058	-	-1.7	20	121	0
Hexachloroethane	0.584	0.539	-	7.7	20	114	0
n-Nitrosodi-n-propylamine	0.823	0.804	-	2.3	20	116	0
3-Methylphenol/4-Methylphe	1.102	1.152	-	-4.5	20	122	0
Nitrobenzene-d5	1.172	1.178	-	-0.5	20	121	0
Nitrobenzene	1.19	1.205	-	-1.3	20	124	0
Isophorone	2.158	2.127	-	1.4	20	118	0
2-Nitrophenol	0.494	0.619	-	-25.3*	20	146	0
2,4-Dimethylphenol	1.154	1.216	-	-5.4	20	124	0
Bis(2-chloroethoxy)methane	1.45	1.451	-	-0.1	20	123	0
2,4-Dichlorophenol	1.111	1.175	-	-5.8	20	122	0
1,2,4-Trichlorobenzene	1.448	1.329	-	8.2	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	1.054	0.954	-	9.5	20	119	0
Benzoic Acid	5	4.118	-	17.6	20	105	0
4-Chloroaniline	0.12	0.113	-	5.8	20	119	0
Hexachlorobutadiene	0.231	0.197	-	14.7	20	115	0
p-Chloro-m-cresol	0.256	0.27	-	-5.5	20	129	0
2-Methylnaphthalene	0.632	0.597	-	5.5	20	121	0
1-Methylnaphthalene	0.24	0.223	-	7.1	20	120	0
Hexachlorocyclopentadiene	0.244	0.236	-	3.3	20	125	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	125	0
2,4,5-Trichlorophenol	0.23	0.254	-	-10.4	20	134	0
2-Fluorobiphenyl	0.872	0.8	-	8.3	20	121	0
2-Chloronaphthalene	0.734	0.687	-	6.4	20	123	0
2-Nitroaniline	0.159	0.189	-	-18.9	20	146	0
1,4-Dinitrobenzene	0.077	0.101	-	-31.2*	20	165	0
1,3-Dinitrobenzene	0.093	0.112	-	-20.4*	20	150	0
Dimethyl phthalate	0.769	0.795	-	-3.4	20	130	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.089	-	1	20	126	0
2,6-Dinitrotoluene	0.131	0.168	-	-28.2*	20	146	0
1,2-Dinitrobenzene	0.06	0.078	-	-30*	20	158	0
IS1_Acenaphthene-d10	1	1	-	0	20	136	0
3-Nitroaniline	0.246	0.303	-	-23.2*	20	151	0
Acenaphthene	1.144	1.06	-	7.3	20	131	0
2,4-Dinitrophenol	5	5.306	-	-6.1	20	164	0
Dibenzofuran	1.834	1.712	-	6.7	20	129	0
2,4-Dinitrotoluene	5	5.411	-	-8.2	20	154	0
4-Nitrophenol	0.185	0.225	-	-21.6*	20	153	0
2,3,5,6-Tetrachlorophenol	0.304	0.338	-	-11.2	20	140	0
2,3,4,6-Tetrachlorophenol	0.3	0.338	-	-12.7	20	142	0
Diethyl phthalate	1.28	1.274	-	0.5	20	133	0
Fluorene	1.409	1.368	-	2.9	20	131	0
4-Chlorophenyl phenyl ethe	0.719	0.665	-	7.5	20	130	0
4-Nitroaniline	0.246	0.294	-	-19.5	20	159	0
4,6-Dinitro-o-cresol	5	6.143	-	-22.9*	20	187	0
NDPA/DPA	1.112	1.112	-	0	20	131	0
Azobenzene	1.133	1.146	-	-1.1	20	134	0
2,4,6-Tribromophenol	0.152	0.171	-	-12.5	20	141	0
4-Bromophenyl phenyl ether	0.383	0.354	-	7.6	20	127	0
Hexachlorobenzene	0.399	0.381	-	4.5	20	134	0
Pentachlorophenol	0.216	0.237	-	-9.7	20	146	0
IS1_Phenanthrene-d10	1	1	-	0	20	149	0
Phenanthrene	1.146	1.048	-	8.6	20	139	0
Anthracene	1.122	1.041	-	7.2	20	138	0
Carbazole	0.975	0.984	-	-0.9	20	143	0
Di-n-butylphthalate	1.07	1.044	-	2.4	20	136	0
Fluoranthene	1.217	1.202	-	1.2	20	142	0
Benzidine	5	4.829	-	3.4	20	147	0
Pyrene	1.292	1.283	-	0.7	20	142	0
4-Terphenyl-d14	0.865	0.85	-	1.7	20	143	0
Butyl benzyl phthalate	5	4.759	-	4.8	20	161	0
IS1_Chrysene-d12	1	1	-	0	20	167	0
Benzo(a)anthracene	1.367	1.29	-	5.6	20	159	0
3,3'-Dichlorobenzidine	0.436	0.436	-	0	20	165	0
Chrysene	1.352	1.234	-	8.7	20	158	0
Bis(2-ethylhexyl)phthalate	5	4.147	-	17.1	20	150	0
Di-n-octylphthalate	5	4.228	-	15.4	20	159	0
Benzo(b)fluoranthene	1.185	1.148	-	3.1	20	166	0
Benzo(k)fluoranthene	1.199	1.178	-	1.8	20	163	0
Benzo(a)pyrene	1.101	1.057	-	4	20	162	0
IS1_Perylene-d12	1	1	-	0	20	181	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0916
Sample No : WG2115301-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/16/25 07:02
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.14	-	-2.6	20	175	0
Dibenzo(a,h)anthracene	1.154	1.167	-	-1.1	20	172	0
Benzo(ghi)perylene	1.15	1.159	-	-0.8	20	169	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0916
 Sample No : WG2115301-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:52
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
1,4-Dioxane	0.545	0.496	-	9	20	91	0
n-Decane	1.567	1.423	-	9.2	20	87	0
IS3_Acenaphthene-d10	1	1	-	0	20	95	0
Atrazine	0.33	0.365	-	-10.6	20	103	0
IS3_Phenanthrene-d10	1	1	-	0	20	105	0
n-Octadecane	0.441	0.392	-	11.1	20	90	0
Parathion	5	5.065	-	-1.3	20	121	0
3,3'-Dimethylbenzidine	5	4.241	-	15.2	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90916A
 Sample No : WG2115301-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 08:17
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
Benzaldehyde	0.605	0.676	-	-11.7	20	115	0
Acetophenone	1.796	1.783	-	0.7	20	102	0
m-Toluidine	1.129	1.24	-	-9.8	20	114	0
2-Chloroaniline	1.545	1.593	-	-3.1	20	105	0
IS2_Naphthalene-d8	1	1	-	0	20	106	0
a-Terpineol	0.25	0.259	-	-3.6	20	106	0
3-Chloroaniline	0.117	0.124	-	-6	20	102	0
2,6-Dichlorophenol	0.264	0.308	-	-16.7	20	114	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	115	0
Caprolactam	0.125	0.131	-	-4.8	20	115	0
1,2,4,5-Tetrachlorobenzene	0.415	0.407	-	1.9	20	107	0
Biphenyl	0.948	0.945	-	0.3	20	108	0
IS2_Acenaphthene-d10	1	1	-	0	20	110	0
Dichloran	0.145	0.149	-	-2.8	20	131	0
Pentachloronitrobenzene	0.133	0.159	-	-19.5	20	128	0
IS2_Phenanthrene-d10	1	1	-	0	20	121	0
Diphenamid	0.435	0.444	-	-2.1	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
n-Nitrosodimethylamine	0.66	0.638	-	3.3	20	117	0
Pyridine	1.131	0.712	-	37*	20	74	0
2-Fluorophenol	1.106	1.161	-	-5	20	124	0
Aniline	1.738	1.626	-	6.4	20	109	0
2-Chlorophenol	1.332	1.351	-	-1.4	20	120	0
Phenol-d6	1.318	1.355	-	-2.8	20	123	0
Phenol	1.441	1.371	-	4.9	20	115	0
Bis(2-chloroethyl)ether	1.143	1.093	-	4.4	20	117	0
1,3-Dichlorobenzene	1.598	1.561	-	2.3	20	119	0
1,4-Dichlorobenzene	1.634	1.607	-	1.7	20	121	0
1,2-Dichlorobenzene	1.572	1.532	-	2.5	20	121	0
Benzyl alcohol	0.964	0.925	-	4	20	116	0
Bis(2-chloroisopropyl)ethe	1.867	1.756	-	5.9	20	115	0
2-Methylphenol	1.104	1.097	-	0.6	20	119	0
Hexachloroethane	0.602	0.61	-	-1.3	20	121	0
n-Nitrosodi-n-propylamine	0.815	0.804	-	1.3	20	117	0
3-Methylphenol/4-Methylphe	1.207	1.177	-	2.5	20	118	0
Nitrobenzene-d5	1.226	1.242	-	-1.3	20	121	0
Nitrobenzene	1.26	1.251	-	0.7	20	118	0
Isophorone	2.296	2.198	-	4.3	20	114	0
2-Nitrophenol	0.64	0.694	-	-8.4	20	128	0
2,4-Dimethylphenol	1.271	1.264	-	0.6	20	116	0
Bis(2-chloroethoxy)methane	1.546	1.501	-	2.9	20	118	0
2,4-Dichlorophenol	1.17	1.185	-	-1.3	20	118	0
1,2,4-Trichlorobenzene	1.374	1.358	-	1.2	20	121	0
IS1_Naphthalene-d8	1	1	-	0	20	122	0
Naphthalene	1.082	1.044	-	3.5	20	118	0
Benzoic Acid	5	3.799	-	24*	20	103	0
4-Chloroaniline	0.117	0.109	-	6.8	20	109	0
Hexachlorobutadiene	0.2	0.201	-	-0.5	20	122	0
p-Chloro-m-cresol	0.284	0.276	-	2.8	20	116	0
2-Methylnaphthalene	0.641	0.634	-	1.1	20	122	0
1-Methylnaphthalene	0.227	0.223	-	1.8	20	122	0
Hexachlorocyclopentadiene	0.254	0.256	-	-0.8	20	121	0
2,4,6-Trichlorophenol	0.213	0.22	-	-3.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.251	-	-5	20	121	0
2-Fluorobiphenyl	0.821	0.804	-	2.1	20	121	0
2-Chloronaphthalene	0.727	0.702	-	3.4	20	119	0
2-Nitroaniline	0.206	0.221	-	-7.3	20	120	0
1,4-Dinitrobenzene	0.097	0.098	-	-1	20	118	0
1,3-Dinitrobenzene	0.112	0.114	-	-1.8	20	116	0
Dimethyl phthalate	0.857	0.822	-	4.1	20	115	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.157	-	1.1	20	116	0
2,6-Dinitrotoluene	0.167	0.177	-	-6	20	123	0
1,2-Dinitrobenzene	0.073	0.074	-	-1.4	20	114	0
IS1_Acenaphthene-d10	1	1	-	0	20	125	0
3-Nitroaniline	0.342	0.345	-	-0.9	20	118	0
Acenaphthene	1.136	1.055	-	7.1	20	118	0
2,4-Dinitrophenol	0.166	0.119	-	28.3*	20	95	0
Dibenzofuran	1.844	1.721	-	6.7	20	119	0
2,4-Dinitrotoluene	0.385	0.399	-	-3.6	20	117	0
4-Nitrophenol	0.238	0.248	-	-4.2	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.342	-	-0.6	20	117	0
2,3,4,6-Tetrachlorophenol	0.33	0.342	-	-3.6	20	117	0
Diethyl phthalate	1.516	1.384	-	8.7	20	113	0
Fluorene	1.447	1.31	-	9.5	20	115	0
4-Chlorophenyl phenyl ethe	0.688	0.639	-	7.1	20	117	0
4-Nitroaniline	0.337	0.338	-	-0.3	20	116	0
4,6-Dinitro-o-cresol	0.214	0.199	-	7	20	114	0
NDPA/DPA	1.209	1.153	-	4.6	20	117	0
Azobenzene	1.272	1.187	-	6.7	20	113	0
2,4,6-Tribromophenol	0.194	0.204	-	-5.2	20	128	0
4-Bromophenyl phenyl ether	0.424	0.399	-	5.9	20	121	0
Hexachlorobenzene	0.475	0.451	-	5.1	20	123	0
Pentachlorophenol	0.28	0.239	-	14.6	20	109	0
IS1_Phenanthrene-d10	1	1	-	0	20	126	0
Phenanthrene	1.202	1.076	-	10.5	20	116	0
Anthracene	1.178	1.095	-	7	20	117	0
Carbazole	1.081	1.02	-	5.6	20	115	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	119	0
Fluoranthene	1.296	1.224	-	5.6	20	118	0
Benzidine	0.831	0.838	-	-0.8	20	126	0
Pyrene	1.383	1.319	-	4.6	20	119	0
4-Terphenyl-d14	0.982	0.936	-	4.7	20	123	0
Butyl benzyl phthalate	0.529	0.571	-	-7.9	20	128	0
IS1_Chrysene-d12	1	1	-	0	20	129	0
Benzo(a)anthracene	1.349	1.235	-	8.5	20	121	0
3,3'-Dichlorobenzidine	0.464	0.498	-	-7.3	20	130	0
Chrysene	1.336	1.194	-	10.6	20	120	0
Bis(2-ethylhexyl)phthalate	0.846	0.886	-	-4.7	20	126	0
Di-n-octylphthalate	1.419	1.462	-	-3	20	130	0
Benzo(b)fluoranthene	1.278	1.219	-	4.6	20	126	0
Benzo(k)fluoranthene	1.303	1.236	-	5.1	20	119	0
Benzo(a)pyrene	1.197	1.178	-	1.6	20	124	0
IS1_Perylene-d12	1	1	-	0	20	131	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ABN0917
Sample No : WG2116036-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/17/25 09:51
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.067	-	6.5	20	121	0
Dibenzo(a,h)anthracene	1.181	1.118	-	5.3	20	122	0
Benzo(ghi)perylene	1.164	1.085	-	6.8	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90917
 Sample No : WG2116036-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:13
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
Benzaldehyde	0.645	0.553	-	14.3	20	107	0
Acetophenone	1.905	1.537	-	19.3	20	101	0
m-Toluidine	1.123	1.012	-	9.9	20	103	0
2-Chloroaniline	1.724	1.451	-	15.8	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	122	0
a-Terpineol	0.267	0.217	-	18.7	20	99	0
3-Chloroaniline	0.114	0.097	-	14.9	20	96	0
2,6-Dichlorophenol	0.285	0.255	-	10.5	20	107	0
1-chloro-2-nitrobenzene	0.135	0.119	-	11.9	20	107	0
Caprolactam	0.142	0.119	-	16.2	20	98	0
1,2,4,5-Tetrachlorobenzene	0.373	0.3	-	19.6	20	100	0
Biphenyl	0.931	0.735	-	21.1*	20	99	0
IS2_Acenaphthene-d10	1	1	-	0	20	122	0
Dichloran	0.158	0.129	-	18.4	20	98	0
Pentachloronitrobenzene	0.154	0.133	-	13.6	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	119	0
Diphenamid	0.487	0.403	-	17.2	20	94	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ADP0917
 Sample No : WG2116036-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:34
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
1,4-Dioxane	0.477	0.433	-	9.2	20	118	0
n-Decane	1.449	1.281	-	11.6	20	111	0
IS3_Acenaphthene-d10	1	1	-	0	20	125	0
Atrazine	0.372	0.371	-	0.3	20	123	0
IS3_Phenanthrene-d10	1	1	-	0	20	125	0
n-Octadecane	0.48	0.416	-	13.3	20	106	0
Parathion	5	4.144	-	17.1	20	119	0
3,3'-Dimethylbenzidine	5	4.075	-	18.5	20	101	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	135	0
n-Nitrosodimethylamine	0.594	0.581	-	2.2	20	133	0
Pyridine	5	4.372	-	12.6	20	139	0
2-Fluorophenol	0.881	0.967	-	-9.8	20	145	0
Aniline	1.484	1.494	-	-0.7	20	132	0
2-Chlorophenol	1.075	1.163	-	-8.2	20	146	0
Phenol-d6	1.175	1.279	-	-8.9	20	152	0
Phenol	1.351	1.313	-	2.8	20	131	0
Bis(2-chloroethyl)ether	0.968	0.948	-	2.1	20	137	0
1,3-Dichlorobenzene	1.515	1.415	-	6.6	20	131	0
1,4-Dichlorobenzene	1.532	1.444	-	5.7	20	130	0
1,2-Dichlorobenzene	1.467	1.458	-	0.6	20	136	0
Benzyl alcohol	0.829	0.931	-	-12.3	20	152	0
Bis(2-chloroisopropyl)ethe	1.724	1.349	-	21.8*	20	110	0
2-Methylphenol	0.915	0.985	-	-7.7	20	142	0
Hexachloroethane	0.539	0.504	-	6.5	20	131	0
n-Nitrosodi-n-propylamine	0.797	0.804	-	-0.9	20	139	0
3-Methylphenol/4-Methylphe	1.028	1.089	-	-5.9	20	147	0
Nitrobenzene-d5	1.117	1.136	-	-1.7	20	137	0
Nitrobenzene	1.128	1.171	-	-3.8	20	136	0
Isophorone	2.059	2.106	-	-2.3	20	135	0
2-Nitrophenol	0.53	0.609	-	-14.9	20	162	0
2,4-Dimethylphenol	1.061	1.17	-	-10.3	20	144	0
Bis(2-chloroethoxy)methane	1.369	1.283	-	6.3	20	128	0
2,4-Dichlorophenol	1.189	1.289	-	-8.4	20	150	0
1,2,4-Trichlorobenzene	1.494	1.478	-	1.1	20	134	0
IS1_Naphthalene-d8	1	1	-	0	20	139	0
Naphthalene	0.993	0.985	-	0.8	20	142	0
Benzoic Acid	5	8.053	-	-61.1*	20	283	0
4-Chloroaniline	0.127	0.109	-	14.2	20	129	0
Hexachlorobutadiene	0.27	0.221	-	18.1	20	118	0
p-Chloro-m-cresol	0.263	0.288	-	-9.5	20	154	0
2-Methylnaphthalene	0.656	0.673	-	-2.6	20	145	0
1-Methylnaphthalene	0.245	0.238	-	2.9	20	144	0
Hexachlorocyclopentadiene	0.306	0.291	-	4.9	20	129	0
2,4,6-Trichlorophenol	0.28	0.279	-	0.4	20	139	0
2,4,5-Trichlorophenol	0.31	0.341	-	-10	20	149	0
2-Fluorobiphenyl	0.987	0.947	-	4.1	20	136	0
2-Chloronaphthalene	0.81	0.81	-	0	20	141	0
2-Nitroaniline	0.204	0.233	-	-14.2	20	162	0
1,4-Dinitrobenzene	0.103	0.114	-	-10.7	20	156	0
1,3-Dinitrobenzene	0.117	0.128	-	-9.4	20	148	0
Dimethyl phthalate	1.014	0.999	-	1.5	20	136	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.314	-	-3.8	20	141	0
2,6-Dinitrotoluene	0.199	0.203	-	-2	20	144	0
1,2-Dinitrobenzene	0.074	0.076	-	-2.7	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	138	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	153	0
Acenaphthene	1.035	0.972	-	6.1	20	139	0
2,4-Dinitrophenol	0.158	0.137	-	13.3	20	128	0
Dibenzofuran	1.815	1.719	-	5.3	20	140	0
2,4-Dinitrotoluene	0.369	0.392	-	-6.2	20	145	0
4-Nitrophenol	0.204	0.219	-	-7.4	20	149	0
2,3,5,6-Tetrachlorophenol	0.37	0.42	-	-13.5	20	157	0
2,3,4,6-Tetrachlorophenol	0.387	0.397	-	-2.6	20	146	0
Diethyl phthalate	1.394	1.388	-	0.4	20	140	0
Fluorene	1.408	1.383	-	1.8	20	144	0
4-Chlorophenyl phenyl ethe	0.76	0.694	-	8.7	20	131	0
4-Nitroaniline	0.27	0.308	-	-14.1	20	159	0
4,6-Dinitro-o-cresol	0.236	0.231	-	2.1	20	141	0
NDPA/DPA	1.224	1.243	-	-1.6	20	146	0
Azobenzene	1.155	1.104	-	4.4	20	133	0
2,4,6-Tribromophenol	0.229	0.286	-	-24.9*	20	185	0
4-Bromophenyl phenyl ether	0.488	0.436	-	10.7	20	136	0
Hexachlorobenzene	0.564	0.548	-	2.8	20	143	0
Pentachlorophenol	0.306	0.338	-	-10.5	20	159	0
IS1_Phenanthrene-d10	1	1	-	0	20	140	0
Phenanthrene	1.097	1.023	-	6.7	20	140	0
Anthracene	1.058	1.024	-	3.2	20	140	0
Carbazole	0.981	0.972	-	0.9	20	143	0
Di-n-butylphthalate	1.04	1.069	-	-2.8	20	141	0
Fluoranthene	1.319	1.27	-	3.7	20	138	0
Benzidine	0.744	0.863	-	-16	20	164	0
Pyrene	1.411	1.339	-	5.1	20	135	0
4-Terphenyl-d14	1.035	0.972	-	6.1	20	133	0
Butyl benzyl phthalate	0.461	0.484	-	-5	20	152	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.167	-	4	20	129	0
3,3'-Dichlorobenzidine	0.438	0.518	-	-18.3	20	149	0
Chrysene	1.234	1.188	-	3.7	20	134	0
Bis(2-ethylhexyl)phthalate	0.579	0.7	-	-20.9*	20	141	0
Di-n-octylphthalate	1.024	1.181	-	-15.3	20	145	0
Benzo(b)fluoranthene	1.227	1.307	-	-6.5	20	142	0
Benzo(k)fluoranthene	1.227	1.307	-	-6.5	20	138	0
Benzo(a)pyrene	1.119	1.28	-	-14.4	20	147	0
IS1_Perylene-d12	1	1	-	0	20	139	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : DAKOTA
Lab File ID : ABN0917
Sample No : WG2116041-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/17/25 10:42
Init. Calib. Date(s) : 08/20/25 08/20/25
Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.144	-	-2	20	144	0
Dibenzo(a,h)anthracene	1.132	1.16	-	-2.5	20	145	0
Benzo(ghi)perylene	1.145	1.14	-	0.4	20	143	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90917
 Sample No : WG2116041-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 11:05
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	133	0
Benzaldehyde	0.534	0.502	-	6	20	136	0
Acetophenone	1.663	1.348	-	18.9	20	118	0
m-Toluidine	0.957	0.942	-	1.6	20	131	0
2-Chloroaniline	1.447	1.328	-	8.2	20	126	0
IS2_Naphthalene-d8	1	1	-	0	20	141	0
a-Terpineol	0.245	0.191	-	22*	20	116	0
3-Chloroaniline	0.122	0.099	-	18.9	20	121	0
2,6-Dichlorophenol	0.33	0.301	-	8.8	20	134	0
1-chloro-2-nitrobenzene	0.135	0.114	-	15.6	20	125	0
Caprolactam	0.128	0.101	-	21.1*	20	118	0
1,2,4,5-Tetrachlorobenzene	0.495	0.377	-	23.8*	20	115	0
Biphenyl	1.02	0.84	-	17.6	20	124	0
IS2_Acenaphthene-d10	1	1	-	0	20	142	0
Dichloran	0.199	0.145	-	27.1*	20	118	0
Pentachloronitrobenzene	0.197	0.151	-	23.4*	20	117	0
IS2_Phenanthrene-d10	1	1	-	0	20	144	0
Diphenamid	0.486	0.4	-	17.7	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Calibration Date : 09/17/25 11:27
Lab File ID : ADP0917	Init. Calib. Date(s) : 08/20/25 08/20/25
Sample No : WG2116041-5	Init. Calib. Times : 12:47 23:44
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	134	0
1,4-Dioxane	0.411	0.375	-	8.8	20	125	0
n-Decane	1.27	0.912	-	28.2*	20	102	0
IS3_Acenaphthene-d10	1	1	-	0	20	146	0
Atrazine	0.486	0.418	-	14	20	132	0
IS3_Phenanthrene-d10	1	1	-	0	20	148	0
n-Octadecane	0.368	0.268	-	27.2*	20	114	0
Parathion	5	4.91	-	1.8	20	144	0
3,3'-Dimethylbenzidine	5	3.277	-	34.5*	20	99	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
n-Nitrosodimethylamine	0.66	0.8	-	-21.2*	20	133	0
Pyridine	1.131	0.872	-	22.9*	20	82	0
2-Fluorophenol	1.106	1.244	-	-12.5	20	120	0
Aniline	1.738	1.633	-	6	20	99	0
2-Chlorophenol	1.332	1.386	-	-4.1	20	111	0
Phenol-d6	1.318	1.377	-	-4.5	20	113	0
Phenol	1.441	1.406	-	2.4	20	107	0
Bis(2-chloroethyl)ether	1.143	1.104	-	3.4	20	106	0
1,3-Dichlorobenzene	1.598	1.574	-	1.5	20	108	0
1,4-Dichlorobenzene	1.634	1.577	-	3.5	20	107	0
1,2-Dichlorobenzene	1.572	1.527	-	2.9	20	108	0
Benzyl alcohol	0.964	0.913	-	5.3	20	103	0
Bis(2-chloroisopropyl)ethe	1.867	1.527	-	18.2	20	90	0
2-Methylphenol	1.104	1.083	-	1.9	20	106	0
Hexachloroethane	0.602	0.581	-	3.5	20	104	0
n-Nitrosodi-n-propylamine	0.815	0.734	-	9.9	20	96	0
3-Methylphenol/4-Methylphe	1.207	1.129	-	6.5	20	102	0
Nitrobenzene-d5	1.226	1.172	-	4.4	20	103	0
Nitrobenzene	1.26	1.161	-	7.9	20	99	0
Isophorone	2.296	2.205	-	4	20	104	0
2-Nitrophenol	0.64	0.742	-	-15.9	20	124	0
2,4-Dimethylphenol	1.271	1.332	-	-4.8	20	110	0
Bis(2-chloroethoxy)methane	1.546	1.517	-	1.9	20	108	0
2,4-Dichlorophenol	1.17	1.274	-	-8.9	20	115	0
1,2,4-Trichlorobenzene	1.374	1.414	-	-2.9	20	114	0
IS1_Naphthalene-d8	1	1	-	0	20	114	0
Naphthalene	1.082	1.021	-	5.6	20	108	0
Benzoic Acid	5	3.814	-	23.7*	20	97	0
4-Chloroaniline	0.117	0.105	-	10.3	20	97	0
Hexachlorobutadiene	0.2	0.205	-	-2.5	20	116	0
p-Chloro-m-cresol	0.284	0.292	-	-2.8	20	115	0
2-Methylnaphthalene	0.641	0.661	-	-3.1	20	119	0
1-Methylnaphthalene	0.227	0.228	-	-0.4	20	116	0
Hexachlorocyclopentadiene	0.254	0.278	-	-9.4	20	123	0
2,4,6-Trichlorophenol	0.213	0.237	-	-11.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.273	-	-14.2	20	123	0
2-Fluorobiphenyl	0.821	0.835	-	-1.7	20	117	0
2-Chloronaphthalene	0.727	0.738	-	-1.5	20	116	0
2-Nitroaniline	0.206	0.234	-	-13.6	20	119	0
1,4-Dinitrobenzene	0.097	0.107	-	-10.3	20	120	0
1,3-Dinitrobenzene	0.112	0.125	-	-11.6	20	119	0
Dimethyl phthalate	0.857	0.884	-	-3.2	20	116	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.213	-	-3.7	20	114	0
2,6-Dinitrotoluene	0.167	0.185	-	-10.8	20	120	0
1,2-Dinitrobenzene	0.073	0.081	-	-11	20	117	0
IS1_Acenaphthene-d10	1	1	-	0	20	121	0
3-Nitroaniline	0.342	0.341	-	0.3	20	114	0
Acenaphthene	1.136	1.069	-	5.9	20	116	0
2,4-Dinitrophenol	0.166	0.15	-	9.6	20	115	0
Dibenzofuran	1.844	1.734	-	6	20	116	0
2,4-Dinitrotoluene	0.385	0.411	-	-6.8	20	117	0
4-Nitrophenol	0.238	0.256	-	-7.6	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.362	-	-6.5	20	120	0
2,3,4,6-Tetrachlorophenol	0.33	0.35	-	-6.1	20	116	0
Diethyl phthalate	1.516	1.437	-	5.2	20	114	0
Fluorene	1.447	1.338	-	7.5	20	114	0
4-Chlorophenyl phenyl ethe	0.688	0.66	-	4.1	20	117	0
4-Nitroaniline	0.337	0.34	-	-0.9	20	113	0
4,6-Dinitro-o-cresol	0.214	0.234	-	-9.3	20	130	0
NDPA/DPA	1.209	1.152	-	4.7	20	113	0
Azobenzene	1.272	1.181	-	7.2	20	109	0
2,4,6-Tribromophenol	0.194	0.212	-	-9.3	20	129	0
4-Bromophenyl phenyl ether	0.424	0.4	-	5.7	20	118	0
Hexachlorobenzene	0.475	0.454	-	4.4	20	120	0
Pentachlorophenol	0.28	0.249	-	11.1	20	110	0
IS1_Phenanthrene-d10	1	1	-	0	20	124	0
Phenanthrene	1.202	1.074	-	10.6	20	114	0
Anthracene	1.178	1.096	-	7	20	115	0
Carbazole	1.081	1.014	-	6.2	20	112	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	117	0
Fluoranthene	1.296	1.221	-	5.8	20	116	0
Benzidine	0.831	0.817	-	1.7	20	121	0
Pyrene	1.383	1.316	-	4.8	20	117	0
4-Terphenyl-d14	0.982	0.938	-	4.5	20	121	0
Butyl benzyl phthalate	0.529	0.561	-	-6	20	123	0
IS1_Chrysene-d12	1	1	-	0	20	125	0
Benzo(a)anthracene	1.349	1.25	-	7.3	20	119	0
3,3'-Dichlorobenzidine	0.464	0.508	-	-9.5	20	129	0
Chrysene	1.336	1.2	-	10.2	20	117	0
Bis(2-ethylhexyl)phthalate	0.846	0.865	-	-2.2	20	120	0
Di-n-octylphthalate	1.419	1.473	-	-3.8	20	127	0
Benzo(b)fluoranthene	1.278	1.279	-	-0.1	20	129	0
Benzo(k)fluoranthene	1.303	1.202	-	7.8	20	113	0
Benzo(a)pyrene	1.197	1.189	-	0.7	20	121	0
IS1_Perylene-d12	1	1	-	0	20	130	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ABN0918
Sample No : WG2116472-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/18/25 07:46
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.09	-	4.5	20	123	0
Dibenzo(a,h)anthracene	1.181	1.14	-	3.5	20	124	0
Benzo(ghi)perylene	1.164	1.093	-	6.1	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90918
 Sample No : WG2116472-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 08:07
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	119	0
Benzaldehyde	0.645	0.577	-	10.5	20	109	0
Acetophenone	1.905	1.506	-	20.9*	20	96	0
m-Toluidine	1.123	1.023	-	8.9	20	101	0
2-Chloroaniline	1.724	1.445	-	16.2	20	98	0
IS2_Naphthalene-d8	1	1	-	0	20	120	0
a-Terpineol	0.267	0.21	-	21.3*	20	94	0
3-Chloroaniline	0.114	0.098	-	14	20	95	0
2,6-Dichlorophenol	0.285	0.252	-	11.6	20	104	0
1-chloro-2-nitrobenzene	0.135	0.121	-	10.4	20	106	0
Caprolactam	0.142	0.115	-	19	20	93	0
1,2,4,5-Tetrachlorobenzene	0.373	0.315	-	15.5	20	104	0
Biphenyl	0.931	0.74	-	20.5*	20	98	0
IS2_Acenaphthene-d10	1	1	-	0	20	121	0
Dichloran	0.158	0.147	-	7	20	111	0
Pentachloronitrobenzene	0.154	0.147	-	4.5	20	109	0
IS2_Phenanthrene-d10	1	1	-	0	20	122	0
Diphenamid	0.487	0.42	-	13.8	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ADP0918
Sample No : WG2116472-5
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/18/25 08:29
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	126	0
1,4-Dioxane	0.477	0.416	-	12.8	20	116	0
n-Decane	1.449	1.28	-	11.7	20	113	0
IS3_Acenaphthene-d10	1	1	-	0	20	128	0
Atrazine	0.372	0.384	-	-3.2	20	131	0
IS3_Phenanthrene-d10	1	1	-	0	20	130	0
n-Octadecane	0.48	0.426	-	11.2	20	113	0
Parathion	5	4.37	-	12.6	20	132	0
3,3'-Dimethylbenzidine	5	3.904	-	21.9*	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
n-Nitrosodimethylamine	0.792	0.687	-	13.3	20	83	0
Pyridine	1.349	0.723	-	46.4*	20	55	0
2-Fluorophenol	1.105	1.046	-	5.3	20	89	0
Aniline	5	3.882	-	22.4*	20	83	0
2-Chlorophenol	1.287	1.18	-	8.3	20	85	0
Phenol-d6	1.428	1.281	-	10.3	20	83	0
Phenol	1.581	1.444	-	8.7	20	87	0
Bis(2-chloroethyl)ether	1.319	1.125	-	14.7	20	84	0
1,3-Dichlorobenzene	1.573	1.402	-	10.9	20	88	0
1,4-Dichlorobenzene	1.611	1.427	-	11.4	20	87	0
1,2-Dichlorobenzene	1.557	1.381	-	11.3	20	87	0
Benzyl alcohol	1.122	0.955	-	14.9	20	82	0
Bis(2-chloroisopropyl)ethe	2.148	1.727	-	19.6	20	78	0
2-Methylphenol	1.155	1.052	-	8.9	20	85	0
Hexachloroethane	0.596	0.511	-	14.3	20	84	0
n-Nitrosodi-n-propylamine	1.032	0.807	-	21.8*	20	75	0
3-Methylphenol/4-Methylphe	1.27	1.141	-	10.2	20	86	0
Nitrobenzene-d5	1.354	1.239	-	8.5	20	86	0
Nitrobenzene	1.405	1.24	-	11.7	20	84	0
Isophorone	2.849	2.221	-	22*	20	73	0
2-Nitrophenol	5	4.382	-	12.4	20	100	0
2,4-Dimethylphenol	1.51	1.236	-	18.1	20	80	0
Bis(2-chloroethoxy)methane	1.807	1.522	-	15.8	20	80	0
2,4-Dichlorophenol	1.335	1.192	-	10.7	20	86	0
1,2,4-Trichlorobenzene	1.539	1.35	-	12.3	20	87	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.063	0.98	-	7.8	20	85	0
Benzoic Acid	5	3.085	-	38.3*	20	48	0
4-Chloroaniline	0.144	0.127	-	11.8	20	79	0
Hexachlorobutadiene	0.253	0.232	-	8.3	20	85	0
p-Chloro-m-cresol	0.329	0.283	-	14	20	76	0
2-Methylnaphthalene	0.674	0.628	-	6.8	20	85	0
1-Methylnaphthalene	0.269	0.228	-	15.2	20	79	0
Hexachlorocyclopentadiene	5	4.52	-	9.6	20	90	0
2,4,6-Trichlorophenol	5	4.244	-	15.1	20	86	0
2,4,5-Trichlorophenol	5	4.237	-	15.3	20	80	0
2-Fluorobiphenyl	0.927	0.839	-	9.5	20	80	0
2-Chloronaphthalene	0.786	0.715	-	9	20	82	0
2-Nitroaniline	5	4.043	-	19.1	20	85	0
1,4-Dinitrobenzene	0.128	0.106	-	17.2	20	85	0
1,3-Dinitrobenzene	0.145	0.125	-	13.8	20	89	0
Dimethyl phthalate	0.996	0.9	-	9.6	20	78	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.282	1.189	-	7.3	20	79	0
2,6-Dinitrotoluene	5	4.107	-	17.9	20	82	0
1,2-Dinitrobenzene	0.094	0.084	-	10.6	20	90	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	5	4.254	-	14.9	20	80	0
Acenaphthene	1.102	1.024	-	7.1	20	81	0
2,4-Dinitrophenol	5	3.852	-	23*	20	72	0
Dibenzofuran	1.833	1.733	-	5.5	20	80	0
2,4-Dinitrotoluene	5	4.624	-	7.5	20	88	0
4-Nitrophenol	5	4.252	-	15	20	76	0
2,3,5,6-Tetrachlorophenol	5	4.361	-	12.8	20	82	0
2,3,4,6-Tetrachlorophenol	5	4.288	-	14.2	20	78	0
Diethyl phthalate	1.565	1.414	-	9.6	20	75	0
Fluorene	1.489	1.373	-	7.8	20	78	0
4-Chlorophenyl phenyl ethe	0.783	0.711	-	9.2	20	80	0
4-Nitroaniline	5	4.242	-	15.2	20	78	0
4,6-Dinitro-o-cresol	5	4.413	-	11.7	20	85	0
NDPA/DPA	1.246	1.19	-	4.5	20	80	0
Azobenzene	1.371	1.235	-	9.9	20	72	0
2,4,6-Tribromophenol	0.254	0.244	-	3.9	20	83	0
4-Bromophenyl phenyl ether	0.512	0.46	-	10.2	20	77	0
Hexachlorobenzene	0.607	0.541	-	10.9	20	79	0
Pentachlorophenol	5	4.673	-	6.5	20	91	0
IS1_Phenanthrene-d10	1	1	-	0	20	92	0
Phenanthrene	1.099	1.039	-	5.5	20	80	0
Anthracene	1.091	1.061	-	2.7	20	80	0
Carbazole	0.993	0.963	-	3	20	78	0
Di-n-butylphthalate	1.164	1.109	-	4.7	20	75	0
Fluoranthene	1.329	1.263	-	5	20	77	0
Benzidine	5	4.422	-	11.6	20	77	0
Pyrene	1.367	1.336	-	2.3	20	78	0
4-Terphenyl-d14	1.068	1.018	-	4.7	20	79	0
Butyl benzyl phthalate	5	4.323	-	13.5	20	80	0
IS1_Chrysene-d12	1	1	-	0	20	93	0
Benzo(a)anthracene	1.308	1.21	-	7.5	20	79	0
3,3'-Dichlorobenzidine	0.473	0.447	-	5.5	20	75	0
Chrysene	1.216	1.17	-	3.8	20	80	0
Bis(2-ethylhexyl)phthalate	5	4.21	-	15.8	20	76	0
Di-n-octylphthalate	5	3.913	-	21.7*	20	76	0
Benzo(b)fluoranthene	1.283	1.311	-	-2.2	20	88	0
Benzo(k)fluoranthene	1.251	1.105	-	11.7	20	70	0
Benzo(a)pyrene	1.188	1.116	-	6.1	20	77	0
IS1_Perylene-d12	1	1	-	0	20	93	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV112
Lab File ID : ABN0928
Sample No : WG2120745-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 17:46
Init. Calib. Date(s) : 08/17/25 08/18/25
Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.105	1.13	-	-2.3	20	84	0
Dibenzo(a,h)anthracene	1.064	1.082	-	-1.7	20	82	0
Benzo(ghi)perylene	1.105	1.085	-	1.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : AP90928
 Sample No : WG2120745-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:09
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
Benzaldehyde	0.597	0.984	-	-64.8*	20	163	0
Acetophenone	1.98	1.731	-	12.6	20	86	0
m-Toluidine	1.191	1.473	-	-23.7*	20	115	0
2-Chloroaniline	1.688	1.55	-	8.2	20	88	0
IS2_Naphthalene-d8	1	1	-	0	20	89	0
a-Terpineol	0.298	0.305	-	-2.3	20	94	0
3-Chloroaniline	0.138	0.151	-	-9.4	20	99	0
2,6-Dichlorophenol	0.282	0.319	-	-13.1	20	99	0
1-chloro-2-nitrobenzene	0.137	0.141	-	-2.9	20	93	0
Caprolactam	0.177	0.153	-	13.6	20	79	0
1,2,4,5-Tetrachlorobenzene	0.443	0.425	-	4.1	20	89	0
Biphenyl	0.978	0.915	-	6.4	20	87	0
IS2_Acenaphthene-d10	1	1	-	0	20	86	0
Dichloran	0.179	0.192	-	-7.3	20	99	0
Pentachloronitrobenzene	0.205	0.208	-	-1.5	20	92	0
IS2_Phenanthrene-d10	1	1	-	0	20	86	0
Diphenamid	0.494	0.478	-	3.2	20	85	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ADP0928
 Sample No : WG2120745-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:31
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	105	0
1,4-Dioxane	0.546	0.465	-	14.8	20	97	0
n-Decane	1.602	1.494	-	6.7	20	99	0
IS3_Acenaphthene-d10	1	1	-	0	20	88	0
Atrazine	0.463	0.429	-	7.3	20	80	0
IS3_Phenanthrene-d10	1	1	-	0	20	84	0
n-Octadecane	0.496	0.435	-	12.3	20	74	0
Parathion	0.106	0.091	-	14.2	20	77	0
3,3'-Dimethylbenzidine	0.737	0.592	-	19.7	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	128	0
n-Nitrosodimethylamine	0.594	0.512	-	13.8	20	111	0
Pyridine	5	3.261	-	34.8*	20	97	0
2-Fluorophenol	0.881	0.827	-	6.1	20	118	0
Aniline	1.484	1.336	-	10	20	112	0
2-Chlorophenol	1.075	1.088	-	-1.2	20	129	0
Phenol-d6	1.175	1.084	-	7.7	20	122	0
Phenol	1.351	1.181	-	12.6	20	112	0
Bis(2-chloroethyl)ether	0.968	0.811	-	16.2	20	111	0
1,3-Dichlorobenzene	1.515	1.373	-	9.4	20	120	0
1,4-Dichlorobenzene	1.532	1.408	-	8.1	20	120	0
1,2-Dichlorobenzene	1.467	1.396	-	4.8	20	123	0
Benzyl alcohol	0.829	0.838	-	-1.1	20	130	0
Bis(2-chloroisopropyl)ethe	1.724	1.05	-	39.1*	20	81	0
2-Methylphenol	0.915	0.908	-	0.8	20	125	0
Hexachloroethane	0.539	0.502	-	6.9	20	124	0
n-Nitrosodi-n-propylamine	0.797	0.735	-	7.8	20	120	0
3-Methylphenol/4-Methylphe	1.028	1.003	-	2.4	20	129	0
Nitrobenzene-d5	1.117	1.094	-	2.1	20	125	0
Nitrobenzene	1.128	1.053	-	6.6	20	116	0
Isophorone	2.059	1.916	-	6.9	20	117	0
2-Nitrophenol	0.53	0.633	-	-19.4	20	160	0
2,4-Dimethylphenol	1.061	1.136	-	-7.1	20	133	0
Bis(2-chloroethoxy)methane	1.369	1.153	-	15.8	20	110	0
2,4-Dichlorophenol	1.189	1.272	-	-7	20	141	0
1,2,4-Trichlorobenzene	1.494	1.504	-	-0.7	20	130	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	0.993	0.934	-	5.9	20	125	0
Benzoic Acid	5	5.504	-	-10.1	20	170	0
4-Chloroaniline	0.127	0.103	-	18.9	20	113	0
Hexachlorobutadiene	0.27	0.246	-	8.9	20	122	0
p-Chloro-m-cresol	0.263	0.267	-	-1.5	20	133	0
2-Methylnaphthalene	0.656	0.659	-	-0.5	20	132	0
1-Methylnaphthalene	0.245	0.24	-	2	20	135	0
Hexachlorocyclopentadiene	0.306	0.327	-	-6.9	20	135	0
2,4,6-Trichlorophenol	0.28	0.302	-	-7.9	20	140	0
2,4,5-Trichlorophenol	0.31	0.333	-	-7.4	20	136	0
2-Fluorobiphenyl	0.987	0.943	-	4.5	20	126	0
2-Chloronaphthalene	0.81	0.817	-	-0.9	20	132	0
2-Nitroaniline	0.204	0.226	-	-10.8	20	146	0
1,4-Dinitrobenzene	0.103	0.119	-	-15.5	20	151	0
1,3-Dinitrobenzene	0.117	0.135	-	-15.4	20	145	0
Dimethyl phthalate	1.014	1.016	-	-0.2	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.291	-	-2	20	129	0
2,6-Dinitrotoluene	0.199	0.21	-	-5.5	20	138	0
1,2-Dinitrobenzene	0.074	0.082	-	-10.8	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	128	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	142	0
Acenaphthene	1.035	0.964	-	6.9	20	128	0
2,4-Dinitrophenol	0.158	0.172	-	-8.9	20	149	0
Dibenzofuran	1.815	1.71	-	5.8	20	128	0
2,4-Dinitrotoluene	0.369	0.418	-	-13.3	20	143	0
4-Nitrophenol	0.204	0.244	-	-19.6	20	154	0
2,3,5,6-Tetrachlorophenol	0.37	0.41	-	-10.8	20	142	0
2,3,4,6-Tetrachlorophenol	0.387	0.406	-	-4.9	20	138	0
Diethyl phthalate	1.394	1.394	-	0	20	130	0
Fluorene	1.408	1.398	-	0.7	20	134	0
4-Chlorophenyl phenyl ethe	0.76	0.71	-	6.6	20	124	0
4-Nitroaniline	0.27	0.307	-	-13.7	20	147	0
4,6-Dinitro-o-cresol	0.236	0.27	-	-14.4	20	152	0
NDPA/DPA	1.224	1.207	-	1.4	20	131	0
Azobenzene	1.155	1.03	-	10.8	20	115	0
2,4,6-Tribromophenol	0.229	0.302	-	-31.9*	20	181	0
4-Bromophenyl phenyl ether	0.488	0.457	-	6.4	20	132	0
Hexachlorobenzene	0.564	0.586	-	-3.9	20	142	0
Pentachlorophenol	0.306	0.362	-	-18.3	20	158	0
IS1_Phenanthrene-d10	1	1	-	0	20	132	0
Phenanthrene	1.097	1.005	-	8.4	20	130	0
Anthracene	1.058	1.031	-	2.6	20	133	0
Carbazole	0.981	0.962	-	1.9	20	134	0
Di-n-butylphthalate	1.04	1.072	-	-3.1	20	133	0
Fluoranthene	1.319	1.266	-	4	20	130	0
Benzidine	0.744	0.76	-	-2.2	20	136	0
Pyrene	1.411	1.344	-	4.7	20	128	0
4-Terphenyl-d14	1.035	1.012	-	2.2	20	131	0
Butyl benzyl phthalate	0.461	0.502	-	-8.9	20	149	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.184	-	2.6	20	130	0
3,3'-Dichlorobenzidine	0.438	0.477	-	-8.9	20	136	0
Chrysene	1.234	1.156	-	6.3	20	129	0
Bis(2-ethylhexyl)phthalate	0.579	0.683	-	-18	20	137	0
Di-n-octylphthalate	1.024	1.168	-	-14.1	20	142	0
Benzo(b)fluoranthene	1.227	1.318	-	-7.4	20	143	0
Benzo(k)fluoranthene	1.227	1.282	-	-4.5	20	135	0
Benzo(a)pyrene	1.119	1.198	-	-7.1	20	136	0
IS1_Perylene-d12	1	1	-	0	20	140	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.105	-	1.5	20	141	0
Dibenzo(a,h)anthracene	1.132	1.115	-	1.5	20	141	0
Benzo(ghi)perylene	1.145	1.159	-	-1.2	20	147	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90928A
 Sample No : WG2120752-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:55
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	136	0
Benzaldehyde	0.534	0.818	-	-53.2*	20	227	0
Acetophenone	1.663	1.562	-	6.1	20	140	0
m-Toluidine	0.957	1.326	-	-38.6*	20	188	0
2-Chloroaniline	1.447	1.49	-	-3	20	144	0
IS2_Naphthalene-d8	1	1	-	0	20	145	0
a-Terpineol	0.245	0.203	-	17.1	20	128	0
3-Chloroaniline	0.122	0.119	-	2.5	20	149	0
2,6-Dichlorophenol	0.33	0.359	-	-8.8	20	165	0
1-chloro-2-nitrobenzene	0.135	0.134	-	0.7	20	151	0
Caprolactam	0.128	0.102	-	20.3*	20	123	0
1,2,4,5-Tetrachlorobenzene	0.495	0.46	-	7.1	20	145	0
Biphenyl	1.02	0.971	-	4.8	20	148	0
IS2_Acenaphthene-d10	1	1	-	0	20	143	0
Dichloran	0.199	0.2	-	-0.5	20	163	0
Pentachloronitrobenzene	0.197	0.211	-	-7.1	20	164	0
IS2_Phenanthrene-d10	1	1	-	0	20	143	0
Diphenamid	0.486	0.5	-	-2.9	20	161	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
n-Nitrosodimethylamine	0.659	0.692	-	-5	20	89	0
Pyridine	1.237	0.667	-	46.1*	20	49	0
2-Fluorophenol	1.032	1.038	-	-0.6	20	89	0
Aniline	1.692	1.612	-	4.7	20	83	0
2-Chlorophenol	1.228	1.177	-	4.2	20	86	0
Phenol-d6	1.268	1.241	-	2.1	20	85	0
Phenol	1.412	1.424	-	-0.8	20	91	0
Bis(2-chloroethyl)ether	1.193	1.114	-	6.6	20	88	0
1,3-Dichlorobenzene	1.558	1.413	-	9.3	20	85	0
1,4-Dichlorobenzene	1.592	1.461	-	8.2	20	86	0
1,2-Dichlorobenzene	1.528	1.395	-	8.7	20	86	0
Benzyl alcohol	0.928	0.891	-	4	20	86	0
Bis(2-chloroisopropyl)ethe	1.867	1.818	-	2.6	20	91	0
2-Methylphenol	1.04	1.031	-	0.9	20	89	0
Hexachloroethane	0.584	0.514	-	12	20	82	0
n-Nitrosodi-n-propylamine	0.823	0.783	-	4.9	20	85	0
3-Methylphenol/4-Methylphe	1.102	1.115	-	-1.2	20	89	0
Nitrobenzene-d5	1.172	1.194	-	-1.9	20	92	0
Nitrobenzene	1.19	1.207	-	-1.4	20	93	0
Isophorone	2.158	2.11	-	2.2	20	88	0
2-Nitrophenol	0.494	0.593	-	-20	20	106	0
2,4-Dimethylphenol	1.154	1.198	-	-3.8	20	92	0
Bis(2-chloroethoxy)methane	1.45	1.415	-	2.4	20	90	0
2,4-Dichlorophenol	1.111	1.097	-	1.3	20	86	0
1,2,4-Trichlorobenzene	1.448	1.246	-	14	20	82	0
IS1_Naphthalene-d8	1	1	-	0	20	93	0
Naphthalene	1.054	0.971	-	7.9	20	87	0
Benzoic Acid	5	4.41	-	11.8	20	83	0
4-Chloroaniline	0.12	0.122	-	-1.7	20	92	0
Hexachlorobutadiene	0.231	0.195	-	15.6	20	82	0
p-Chloro-m-cresol	0.256	0.269	-	-5.1	20	93	0
2-Methylnaphthalene	0.632	0.606	-	4.1	20	89	0
1-Methylnaphthalene	0.24	0.208	-	13.3	20	81	0
Hexachlorocyclopentadiene	0.244	0.244	-	0	20	93	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	90	0
2,4,5-Trichlorophenol	0.23	0.247	-	-7.4	20	94	0
2-Fluorobiphenyl	0.872	0.779	-	10.7	20	85	0
2-Chloronaphthalene	0.734	0.659	-	10.2	20	85	0
2-Nitroaniline	0.159	0.181	-	-13.8	20	101	0
1,4-Dinitrobenzene	0.077	0.095	-	-23.4*	20	111	0
1,3-Dinitrobenzene	0.093	0.11	-	-18.3	20	105	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	90	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.063	-	3.4	20	88	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	101	0
1,2-Dinitrobenzene	0.06	0.074	-	-23.3*	20	108	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	0.246	0.287	-	-16.7	20	99	0
Acenaphthene	1.144	1.049	-	8.3	20	89	0
2,4-Dinitrophenol	5	5.319	-	-6.4	20	114	0
Dibenzofuran	1.834	1.671	-	8.9	20	87	0
2,4-Dinitrotoluene	5	5.298	-	-6	20	104	0
4-Nitrophenol	0.185	0.218	-	-17.8	20	103	0
2,3,5,6-Tetrachlorophenol	0.304	0.33	-	-8.6	20	95	0
2,3,4,6-Tetrachlorophenol	0.3	0.318	-	-6	20	92	0
Diethyl phthalate	1.28	1.252	-	2.2	20	91	0
Fluorene	1.409	1.324	-	6	20	88	0
4-Chlorophenyl phenyl ethe	0.719	0.649	-	9.7	20	87	0
4-Nitroaniline	0.246	0.257	-	-4.5	20	96	0
4,6-Dinitro-o-cresol	5	5.867	-	-17.3	20	123	0
NDPA/DPA	1.112	1.095	-	1.5	20	90	0
Azobenzene	1.133	1.15	-	-1.5	20	93	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	87	0
4-Bromophenyl phenyl ether	0.383	0.331	-	13.6	20	82	0
Hexachlorobenzene	0.399	0.347	-	13	20	85	0
Pentachlorophenol	0.216	0.201	-	6.9	20	86	0
IS1_Phenanthrene-d10	1	1	-	0	20	94	0
Phenanthrene	1.146	1.063	-	7.2	20	89	0
Anthracene	1.122	1.075	-	4.2	20	90	0
Carbazole	0.975	0.935	-	4.1	20	86	0
Di-n-butylphthalate	1.07	1.101	-	-2.9	20	91	0
Fluoranthene	1.217	1.154	-	5.2	20	86	0
Benzidine	5	4.315	-	13.7	20	82	0
Pyrene	1.292	1.202	-	7	20	84	0
4-Terphenyl-d14	0.865	0.775	-	10.4	20	83	0
Butyl benzyl phthalate	5	4.552	-	9	20	97	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.304	-	4.6	20	83	0
3,3'-Dichlorobenzidine	0.436	0.407	-	6.7	20	79	0
Chrysene	1.352	1.286	-	4.9	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.82	-	3.6	20	90	0
Di-n-octylphthalate	5	4.589	-	8.2	20	89	0
Benzo(b)fluoranthene	1.185	1.073	-	9.5	20	80	0
Benzo(k)fluoranthene	1.199	1.063	-	11.3	20	75	0
Benzo(a)pyrene	1.101	0.971	-	11.8	20	77	0
IS1_Perylene-d12	1	1	-	0	20	87	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0928
Sample No : WG2120753-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 19:00
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.109	-	0.2	20	82	0
Dibenzo(a,h)anthracene	1.154	1.132	-	1.9	20	81	0
Benzo(ghi)perylene	1.15	1.146	-	0.3	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Calibration Date : 09/28/25 19:18
Lab File ID : ADP0928	Init. Calib. Date(s) : 08/20/25 08/20/25
Sample No : WG2120752-5	Init. Calib. Times : 12:47 23:44
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	118	0
1,4-Dioxane	0.411	0.366	-	10.9	20	108	0
n-Decane	1.27	0.872	-	31.3*	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	131	0
Atrazine	0.486	0.432	-	11.1	20	122	0
IS3_Phenanthrene-d10	1	1	-	0	20	135	0
n-Octadecane	0.368	0.238	-	35.3*	20	93	0
Parathion	5	5.216	-	-4.3	20	140	0
3,3'-Dimethylbenzidine	5	3.238	-	35.2*	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90928
 Sample No : WG2120753-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:25
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
Benzaldehyde	0.605	0.929	-	-53.6*	20	162	0
Acetophenone	1.796	1.649	-	8.2	20	97	0
m-Toluidine	1.129	1.422	-	-26*	20	133	0
2-Chloroaniline	1.545	1.525	-	1.3	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	104	0
a-Terpineol	0.25	0.305	-	-22*	20	124	0
3-Chloroaniline	0.117	0.137	-	-17.1	20	112	0
2,6-Dichlorophenol	0.264	0.291	-	-10.2	20	107	0
1-chloro-2-nitrobenzene	0.124	0.133	-	-7.3	20	112	0
Caprolactam	0.125	0.146	-	-16.8	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.364	-	12.3	20	95	0
Biphenyl	0.948	0.859	-	9.4	20	97	0
IS2_Acenaphthene-d10	1	1	-	0	20	102	0
Dichloran	0.145	0.14	-	3.4	20	113	0
Pentachloronitrobenzene	0.133	0.139	-	-4.5	20	103	0
IS2_Phenanthrene-d10	1	1	-	0	20	100	0
Diphenamid	0.435	0.43	-	1.1	20	93	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0928
 Sample No : WG2120753-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:50
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	86	0
1,4-Dioxane	0.545	0.494	-	9.4	20	85	0
n-Decane	1.567	1.729	-	-10.3	20	100	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.33	0.354	-	-7.3	20	90	0
IS3_Phenanthrene-d10	1	1	-	0	20	85	0
n-Octadecane	0.441	0.539	-	-22.2*	20	101	0
Parathion	5	5.725	-	-14.5	20	112	0
3,3'-Dimethylbenzidine	5	3.591	-	28.2*	20	64	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	82	0
n-Nitrosodimethylamine	0.659	0.72	-	-9.3	20	82	0
Pyridine	1.237	0.748	-	39.5*	20	49	0
2-Fluorophenol	1.032	1.043	-	-1.1	20	79	0
Aniline	1.692	1.68	-	0.7	20	76	0
2-Chlorophenol	1.228	1.208	-	1.6	20	78	0
Phenol-d6	1.268	1.312	-	-3.5	20	80	0
Phenol	1.412	1.48	-	-4.8	20	84	0
Bis(2-chloroethyl)ether	1.193	1.133	-	5	20	79	0
1,3-Dichlorobenzene	1.558	1.449	-	7	20	77	0
1,4-Dichlorobenzene	1.592	1.479	-	7.1	20	77	0
1,2-Dichlorobenzene	1.528	1.403	-	8.2	20	77	0
Benzyl alcohol	0.928	0.959	-	-3.3	20	81	0
Bis(2-chloroisopropyl)ethe	1.867	1.944	-	-4.1	20	86	0
2-Methylphenol	1.04	1.088	-	-4.6	20	83	0
Hexachloroethane	0.584	0.534	-	8.6	20	75	0
n-Nitrosodi-n-propylamine	0.823	0.818	-	0.6	20	79	0
3-Methylphenol/4-Methylphe	1.102	1.137	-	-3.2	20	80	0
Nitrobenzene-d5	1.172	1.245	-	-6.2	20	85	0
Nitrobenzene	1.19	1.262	-	-6.1	20	86	0
Isophorone	2.158	2.184	-	-1.2	20	81	0
2-Nitrophenol	0.494	0.614	-	-24.3*	20	97	0
2,4-Dimethylphenol	1.154	1.195	-	-3.6	20	81	0
Bis(2-chloroethoxy)methane	1.45	1.403	-	3.2	20	79	0
2,4-Dichlorophenol	1.111	1.1	-	1	20	76	0
1,2,4-Trichlorobenzene	1.448	1.271	-	12.2	20	74	0
IS1_Naphthalene-d8	1	1	-	0	20	84	0
Naphthalene	1.054	0.973	-	7.7	20	79	0
Benzoic Acid	5	4.088	-	18.2	20	67	0
4-Chloroaniline	0.12	0.126	-	-5	20	85	0
Hexachlorobutadiene	0.231	0.199	-	13.9	20	75	0
p-Chloro-m-cresol	0.256	0.274	-	-7	20	85	0
2-Methylnaphthalene	0.632	0.592	-	6.3	20	78	0
1-Methylnaphthalene	0.24	0.207	-	13.8	20	72	0
Hexachlorocyclopentadiene	0.244	0.233	-	4.5	20	80	0
2,4,6-Trichlorophenol	0.214	0.228	-	-6.5	20	80	0
2,4,5-Trichlorophenol	0.23	0.25	-	-8.7	20	85	0
2-Fluorobiphenyl	0.872	0.766	-	12.2	20	75	0
2-Chloronaphthalene	0.734	0.65	-	11.4	20	75	0
2-Nitroaniline	0.159	0.188	-	-18.2	20	94	0
1,4-Dinitrobenzene	0.077	0.099	-	-28.6*	20	105	0
1,3-Dinitrobenzene	0.093	0.113	-	-21.5*	20	98	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.066	-	3.1	20	79	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	90	0
1,2-Dinitrobenzene	0.06	0.075	-	-25*	20	98	0
IS1_Acenaphthene-d10	1	1	-	0	20	82	0
3-Nitroaniline	0.246	0.299	-	-21.5*	20	90	0
Acenaphthene	1.144	1.066	-	6.8	20	80	0
2,4-Dinitrophenol	5	6.285	-	-25.7*	20	120	0
Dibenzofuran	1.834	1.715	-	6.5	20	79	0
2,4-Dinitrotoluene	5	5.542	-	-10.8	20	96	0
4-Nitrophenol	0.185	0.243	-	-31.4*	20	100	0
2,3,5,6-Tetrachlorophenol	0.304	0.331	-	-8.9	20	83	0
2,3,4,6-Tetrachlorophenol	0.3	0.327	-	-9	20	83	0
Diethyl phthalate	1.28	1.238	-	3.3	20	79	0
Fluorene	1.409	1.331	-	5.5	20	77	0
4-Chlorophenyl phenyl ethe	0.719	0.658	-	8.5	20	78	0
4-Nitroaniline	0.246	0.284	-	-15.4	20	93	0
4,6-Dinitro-o-cresol	5	6.438	-	-28.8*	20	119	0
NDPA/DPA	1.112	1.109	-	0.3	20	79	0
Azobenzene	1.133	1.198	-	-5.7	20	85	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	76	0
4-Bromophenyl phenyl ether	0.383	0.344	-	10.2	20	75	0
Hexachlorobenzene	0.399	0.351	-	12	20	75	0
Pentachlorophenol	0.216	0.216	-	0	20	81	0
IS1_Phenanthrene-d10	1	1	-	0	20	85	0
Phenanthrene	1.146	1.092	-	4.7	20	83	0
Anthracene	1.122	1.095	-	2.4	20	83	0
Carbazole	0.975	0.959	-	1.6	20	80	0
Di-n-butylphthalate	1.07	1.054	-	1.5	20	79	0
Fluoranthene	1.217	1.186	-	2.5	20	80	0
Benzidine	5	4.494	-	10.1	20	77	0
Pyrene	1.292	1.273	-	1.5	20	80	0
4-Terphenyl-d14	0.865	0.791	-	8.6	20	76	0
Butyl benzyl phthalate	5	4.681	-	6.4	20	90	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.313	-	4	20	84	0
3,3'-Dichlorobenzidine	0.436	0.415	-	4.8	20	81	0
Chrysene	1.352	1.279	-	5.4	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.277	-	14.5	20	80	0
Di-n-octylphthalate	5	4.489	-	10.2	20	88	0
Benzo(b)fluoranthene	1.185	1.187	-	-0.2	20	89	0
Benzo(k)fluoranthene	1.199	1.195	-	0.3	20	85	0
Benzo(a)pyrene	1.101	1.109	-	-0.7	20	88	0
IS1_Perylene-d12	1	1	-	0	20	98	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0929
Sample No : WG2121049-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/29/25 12:24
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.08	-	2.8	20	90	0
Dibenzo(a,h)anthracene	1.154	1.088	-	5.7	20	87	0
Benzo(ghi)perylene	1.15	1.106	-	3.8	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90929
 Sample No : WG2121049-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:49
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	101	0
Benzaldehyde	0.605	0.952	-	-57.4*	20	158	0
Acetophenone	1.796	1.651	-	8.1	20	93	0
m-Toluidine	1.129	1.421	-	-25.9*	20	127	0
2-Chloroaniline	1.545	1.51	-	2.3	20	97	0
IS2_Naphthalene-d8	1	1	-	0	20	99	0
a-Terpineol	0.25	0.309	-	-23.6*	20	118	0
3-Chloroaniline	0.117	0.145	-	-23.9*	20	112	0
2,6-Dichlorophenol	0.264	0.296	-	-12.1	20	103	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	108	0
Caprolactam	0.125	0.155	-	-24*	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.37	-	10.8	20	91	0
Biphenyl	0.948	0.845	-	10.9	20	90	0
IS2_Acenaphthene-d10	1	1	-	0	20	97	0
Dichloran	0.145	0.146	-	-0.7	20	113	0
Pentachloronitrobenzene	0.133	0.14	-	-5.3	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	94	0
Diphenamid	0.435	0.433	-	0.5	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0929
 Sample No : WG2121049-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 13:14
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	75	0
1,4-Dioxane	0.545	0.522	-	4.2	20	79	0
n-Decane	1.567	1.708	-	-9	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	75	0
Atrazine	0.33	0.353	-	-7	20	79	0
IS3_Phenanthrene-d10	1	1	-	0	20	75	0
n-Octadecane	0.441	0.466	-	-5.7	20	77	0
Parathion	5	5.458	-	-9.2	20	94	0
3,3'-Dimethylbenzidine	5	4.145	-	17.1	20	69	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250928RVT\
 Data File : ABN0928a.D
 Acq On : 28 Sep 2025 6:33 pm
 Operator : Dakota:slr
 Sample : WG2120752-3,32,,ABN 11823 gmr0814A
 Misc : WG2120752,,ical22568
 ALS Vial : 96 Sample Multiplier: 1

Quant Time: Sep 29 12:06:13 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	128	0.00
2 t	n-Nitrosodimethylamine	0.594	0.512	13.8	111	0.00
3 t	Pyridine	* 5.000	3.261	34.8#	97	0.00
4 S	2-Fluorophenol	0.881	0.827	6.1	118	0.00
5 T	Aniline	1.484	1.336	10.0	112	0.00
6 t	2-Chlorophenol	1.075	1.088	-1.2	129	0.00
7 S	Phenol-d6	1.175	1.084	7.7	122	0.00
8 T	Phenol	1.351	1.181	12.6	112	0.00
9 T	Bis(2-chloroethyl)ether	0.968	0.811	16.2	111	0.00
10 T	1,3-Dichlorobenzene	1.515	1.373	9.4	120	0.00
11 T	1,4-Dichlorobenzene	1.532	1.408	8.1	120	0.00
12 T	1,2-Dichlorobenzene	1.467	1.396	4.8	123	0.00
13 t	Benzyl alcohol	0.829	0.838	-1.1	130	0.00
14 T	Bis(2-chloroisopropyl)ether	1.724	1.050	39.1#	81	0.00
15 T	2-Methylphenol	0.915	0.908	0.8	125	0.00
16 T	Hexachloroethane	0.539	0.502	6.9	124	0.00
17 T	n-Nitrosodi-n-propylamine	0.797	0.735	7.8	120	0.00
18 T	3-Methylphenol/4-Methylphen	1.028	1.003	2.4	129	0.00
19 S	Nitrobenzene-d5	1.117	1.094	2.1	125	0.00
20 T	Nitrobenzene	1.128	1.053	6.6	116	0.00
21 T	Isophorone	2.059	1.916	6.9	117	0.00
22 T	2-Nitrophenol	0.530	0.633	-19.4	160	0.00
23 T	2,4-Dimethylphenol	1.061	1.136	-7.1	133	0.00
24 T	Bis(2-chloroethoxy)methane	1.369	1.153	15.8	110	0.00
25 T	2,4-Dichlorophenol	1.189	1.272	-7.0	141	0.00
26 T	1,2,4-Trichlorobenzene	1.494	1.504	-0.7	130	0.00
37 I	IS1_Naphthalene-d8	1.000	1.000	0.0	129	0.00
38 T	Naphthalene	0.993	0.934	5.9	125	0.00
39 T	Benzoic Acid	* 5.000	5.504	-10.1	170	0.00
40 T	4-Chloroaniline	0.127	0.103	18.9	113	0.00
41 T	Hexachlorobutadiene	0.270	0.246	8.9	122	0.00
42 T	p-Chloro-m-cresol	0.263	0.267	-1.5	133	0.00
43 T	2-Methylnaphthalene	0.656	0.659	-0.5	132	0.00
44 T	1-Methylnaphthalene	0.245	0.240	2.0	135	0.00
45 T	Hexachlorocyclopentadiene	0.306	0.327	-6.9	135	0.00
46 T	2,4,6-Trichlorophenol	0.280	0.302	-7.9	140	0.00
47 T	2,4,5-Trichlorophenol	0.310	0.333	-7.4	136	0.00
48 S	2-Fluorobiphenyl	0.987	0.943	4.5	126	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250928RVT\
 Data File : ABN0928a.D
 Acq On : 28 Sep 2025 6:33 pm
 Operator : Dakota:slr
 Sample : WG2120752-3,32,,ABN 11823 gmr0814A
 Misc : WG2120752,,ical22568
 ALS Vial : 96 Sample Multiplier: 1

Quant Time: Sep 29 12:06:13 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	2-Chloronaphthalene	0.810	0.817	-0.9	132	0.00
50 T	2-Nitroaniline	0.204	0.226	-10.8	146	0.00
51 T	1,4-Dinitrobenzene	0.103	0.119	-15.5	151	0.00
52 T	1,3-Dinitrobenzene	0.117	0.135	-15.4	145	0.00
53 T	Dimethyl phthalate	1.014	1.016	-0.2	129	0.00
54 T	Acenaphthylene	1.266	1.291	-2.0	129	0.00
55 T	2,6-Dinitrotoluene	0.199	0.210	-5.5	138	0.00
56 T	1,2-Dinitrobenzene	0.074	0.082	-10.8	139	0.00
65 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	128	0.00
66 T	3-Nitroaniline	0.274	0.298	-8.8	142	0.00
67 T	Acenaphthene	1.035	0.964	6.9	128	0.00
68 T	2,4-Dinitrophenol	0.158	0.172	-8.9	149	0.00
69 T	Dibenzofuran	1.815	1.710	5.8	128	0.00
70 T	2,4-Dinitrotoluene	0.369	0.418	-13.3	143	0.00
71 T	4-Nitrophenol	0.204	0.244	-19.6	154	0.00
72 T	2,3,5,6-Tetrachlorophenol	0.370	0.410	-10.8	142	0.00
73 T	2,3,4,6-Tetrachlorophenol	0.387	0.406	-4.9	138	0.00
74 T	Diethyl phthalate	1.394	1.394	0.0	130	0.00
75 T	Fluorene	1.408	1.398	0.7	134	0.00
76 T	4-Chlorophenyl phenyl ether	0.760	0.710	6.6	124	0.00
77 T	4-Nitroaniline	0.270	0.307	-13.7	147	0.00
78 T	4,6-Dinitro-o-cresol	0.236	0.270	-14.4	152	0.00
79 T	NDPA/DPA	1.224	1.207	1.4	131	0.00
80 T	Azobenzene	1.155	1.030	10.8	115	0.00
81 S	2,4,6-Tribromophenol	0.229	0.302	-31.9#	181	0.00
82 T	4-Bromophenyl phenyl ether	0.488	0.457	6.4	132	0.00
83 T	Hexachlorobenzene	0.564	0.586	-3.9	142	0.00
84 T	Pentachlorophenol	0.306	0.362	-18.3	158	0.00
90 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	132	0.00
91 T	Phenanthrene	1.097	1.005	8.4	130	0.00
92 T	Anthracene	1.058	1.031	2.6	133	0.00
93 T	Carbazole	0.981	0.962	1.9	134	0.00
94 T	Di-n-butylphthalate	1.040	1.072	-3.1	133	0.00
95 T	Fluoranthene	1.319	1.266	4.0	130	0.00
96 T	Benzidine	0.744	0.760	-2.2	136	0.00
97 T	Pyrene	1.411	1.344	4.7	128	0.00
98 S	4-Terphenyl-d14	1.035	1.012	2.2	131	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250928RVT\
 Data File : ABN0928a.D
 Acq On : 28 Sep 2025 6:33 pm
 Operator : Dakota:slr
 Sample : WG2120752-3,32,,ABN 11823 gmr0814A
 Misc : WG2120752,,ical22568
 ALS Vial : 96 Sample Multiplier: 1

Quant Time: Sep 29 12:06:13 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
99 T	Butyl benzyl phthalate	0.461	0.502	-8.9	149	0.00
106 I	IS1_Chrysene-d12	1.000	1.000	0.0	130	0.00
107 T	Benzo(a)anthracene	1.215	1.184	2.6	130	0.00
108 T	3,3'-Dichlorobenzidine	0.438	0.477	-8.9	136	0.00
109 T	Chrysene	1.234	1.156	6.3	129	0.00
110 T	Bis(2-ethylhexyl)phthalate	0.579	0.683	-18.0	137	0.00
111 T	Di-n-octylphthalate	1.024	1.168	-14.1	142	0.00
112 T	Benzo(b)fluoranthene	1.227	1.318	-7.4	143	0.00
113 T	Benzo(k)fluoranthene	1.227	1.282	-4.5	135	0.00
114 T	Benzo(a)pyrene	1.119	1.198	-7.1	136	0.00
115 I	IS1_Perylene-d12	1.000	1.000	0.0	140	0.00
116 T	Indeno(1,2,3-cd)pyrene	1.122	1.105	1.5	141	0.00
117 T	Dibenzo(a,h)anthracene	1.132	1.115	1.5	141	0.00
118 T	Benzo(ghi)perylene	1.145	1.159	-1.2	147	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : ABN0928a.D
 Acq On : 28 Sep 2025 6:33 pm
 Operator : Dakota:slr
 Sample : WG2120752-3,32,,ABN 11823 gmr0814A
 Misc : WG2120752,,ical22568
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Quant Time: Sep 29 12:06:13 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.161	152	73381	4.000	ug/ml	0.00
37) IS1_Naphthalene-d8	5.398	136	265715	4.000	ug/ml	0.00
65) IS1_Acenaphthene-d10	7.083	164	194588	4.000	ug/ml	0.00
90) IS1_Phenanthrene-d10	8.491	188	444443	4.000	ug/ml	# 0.00
106) IS1_Chrysene-d12	11.046	240	511364	4.000	ug/ml	# 0.00
115) IS1_Perylene-d12	12.450	264	610133	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.859	112	75900	4.696	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	234.80%#	
7) Phenol-d6	3.869	99	99441	4.612	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	230.60%#	
19) Nitrobenzene-d5	4.708	82	100311	4.895	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	489.50%#	
48) 2-Fluorobiphenyl	6.470	172	313342	4.778	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	477.80%#	
81) 2,4,6-Tribromophenol	7.838	330	73470	6.583	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	329.15%#	
98) 4-Terphenyl-d14	10.060	244	562160	4.888	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	488.80%#	
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.469	74	46960	4.308	ug/ml	87
3) Pyridine	1.507	79	49636M1	3.261	ug/ml	
5) Aniline	3.844	93	122501	4.501	ug/ml	95
6) 2-Chlorophenol	3.953	128	99841	5.062	ug/ml#	85
8) Phenol	3.878	94	108374	4.372	ug/ml	96
9) Bis(2-chloroethyl)ether	3.934	93	74399	4.191	ug/ml	91
10) 1,3-Dichlorobenzene	4.099	146	125945	4.530	ug/ml	94
11) 1,4-Dichlorobenzene	4.174	146	129151	4.596	ug/ml	94
12) 1,2-Dichlorobenzene	4.320	146	128048	4.756	ug/ml	93
13) Benzyl alcohol	4.329	79	76901	5.058	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.478	45	96348	3.046	ug/ml#	32
15) 2-Methylphenol	4.472	108	83309	4.961	ug/ml	97
16) Hexachloroethane	4.649	117	46045	4.654	ug/ml#	40
17) n-Nitrosodi-n-propylamine	4.602	70	67451	4.613	ug/ml#	90
18) 3-Methylphenol/4-Methy...	4.634	108	91995	4.878	ug/ml	99
20) Nitrobenzene	4.727	77	96553	4.664	ug/ml	98
21) Isophorone	4.975	82	175777	4.653	ug/ml	96
22) 2-Nitrophenol	5.044	139	58072	5.978	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : ABN0928a.D
 Acq On : 28 Sep 2025 6:33 pm
 Operator : Dakota:slr
 Sample : WG2120752-3,32,,ABN 11823 gmr0814A
 Misc : WG2120752,,ical22568
 ALS Vial : 96 Sample Multiplier: 1

Quant Time: Sep 29 12:06:13 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23)	2,4-Dimethylphenol	5.143	107	104212	5.355	ug/ml	98
24)	Bis(2-chloroethoxy)met...	5.224	93	105741	4.211	ug/ml	96
25)	2,4-Dichlorophenol	5.286	162	116698	5.351	ug/ml#	90
26)	1,2,4-Trichlorobenzene	5.355	180	137991	5.033	ug/ml#	96
38)	Naphthalene	5.417	128	310289	4.702	ug/ml	99
39)	Benzoic Acid	5.230	105	55528	5.504	ug/ml	90
40)	4-Chloroaniline	5.501	65	34205	4.067	ug/ml#	51
41)	Hexachlorobutadiene	5.575	225	81777	4.564	ug/ml	99
42)	p-Chloro-m-cresol	6.010	107	88593	5.071	ug/ml#	84
43)	2-Methylnaphthalene	6.094	142	218854	5.026	ug/ml	99
44)	1-Methylnaphthalene	6.184	115	79827	4.911	ug/ml	98
45)	Hexachlorocyclopentadiene	6.265	237	108755	5.358	ug/ml	96
46)	2,4,6-Trichlorophenol	6.386	196	100416	5.393	ug/ml	99
47)	2,4,5-Trichlorophenol	6.414	196	110727	5.383	ug/ml	98
49)	2-Chloronaphthalene	6.551	162	271487	5.043	ug/ml#	91
50)	2-Nitroaniline	6.672	138	75136	5.545	ug/ml#	71
51)	1,4-Dinitrobenzene	6.809	168	39539	5.770	ug/ml#	70
52)	1,3-Dinitrobenzene	6.881	168	44790	5.744	ug/ml#	1
53)	Dimethyl phthalate	6.884	163	337502	5.009	ug/ml#	97
54)	Acenaphthylene	6.940	152	428963	5.101	ug/ml	98
55)	2,6-Dinitrotoluene	6.921	165	69908	5.283	ug/ml#	71
56)	1,2-Dinitrobenzene	6.955	168	27095M3	5.534	ug/ml	
66)	3-Nitroaniline	7.067	138	72368	5.429	ug/ml	82
67)	Acenaphthene	7.114	154	234550	4.660	ug/ml	87
68)	2,4-Dinitrophenol	7.170	184	41815	5.435	ug/ml#	79
69)	Dibenzofuran	7.282	168	415843	4.711	ug/ml#	86
70)	2,4-Dinitrotoluene	7.300	165	101618	5.656	ug/ml#	73
71)	4-Nitrophenol	7.279	65	59228	5.982	ug/ml#	1
72)	2,3,5,6-Tetrachlorophenol	7.378	232	99631	5.541	ug/ml	100
73)	2,3,4,6-Tetrachlorophenol	7.418	232	98685	5.243	ug/ml	99
74)	Diethyl phthalate	7.571	149	339114	4.999	ug/ml	99
75)	Fluorene	7.608	166	340130	4.967	ug/ml	94
76)	4-Chlorophenyl phenyl ...	7.639	204	172605	4.666	ug/ml#	84
77)	4-Nitroaniline	7.648	138	74612	5.671	ug/ml#	67
78)	4,6-Dinitro-o-cresol	7.686	198	65641	5.709	ug/ml#	50
79)	NDPA/DPA	7.754	169	293628	4.931	ug/ml	92
80)	Azobenzene	7.785	77	250450	4.459	ug/ml#	93
82)	4-Bromophenyl phenyl e...	8.099	248	111237	4.686	ug/ml#	80
83)	Hexachlorobenzene	8.136	284	142480	5.197	ug/ml#	77
84)	Pentachlorophenol	8.335	266	88169	5.917	ug/ml	98
91)	Phenanthrene	8.512	178	558284	4.580	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : ABN0928a.D
 Acq On : 28 Sep 2025 6:33 pm
 Operator : Dakota:slr
 Sample : WG2120752-3,32,,ABN 11823 gmr0814A
 Misc : WG2120752,,ical22568
 ALS Vial : 96 Sample Multiplier: 1

Quant Time: Sep 29 12:06:13 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	Anthracene	8.562	178	572989	4.872	ug/ml	99
93)	Carbazole	8.739	167	534445	4.903	ug/ml	98
94)	Di-n-butylphthalate	9.150	149	595356	5.152	ug/ml	98
95)	Fluoranthene	9.647	202	703169	4.799	ug/ml#	89
96)	Benidine	9.818	184	421996	5.104	ug/ml#	92
97)	Pyrene	9.855	202	746613	4.764	ug/ml	99
99)	Butyl benzyl phthalate	10.579	149	278778	5.447	ug/ml#	78
107)	Benzo(a)anthracene	11.036	228	756876	4.872	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.055	252	304862	5.442	ug/ml#	95
109)	Chrysene	11.070	228	738703	4.682	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.204	149	436794	5.900	ug/ml#	91
111)	Di-n-octylphthalate	11.857	149	746577	5.701	ug/ml#	69
112)	Benzo(b)fluoranthene	12.099	252	842278	5.369	ug/ml#	91
113)	Benzo(k)fluoranthene	12.124	252	819436	5.226	ug/ml#	92
114)	Benzo(a)pyrene	12.398	252	765720	5.351	ug/ml#	90
116)	Indeno(1,2,3-cd)pyrene	13.383	276	842907	4.923	ug/mL#	84
117)	Dibenzo(a,h)anthracene	13.411	278	850676M6	4.927	ug/ml	
118)	Benzo(ghi)perylene	13.591	276	884236	5.064	ug/ml#	82

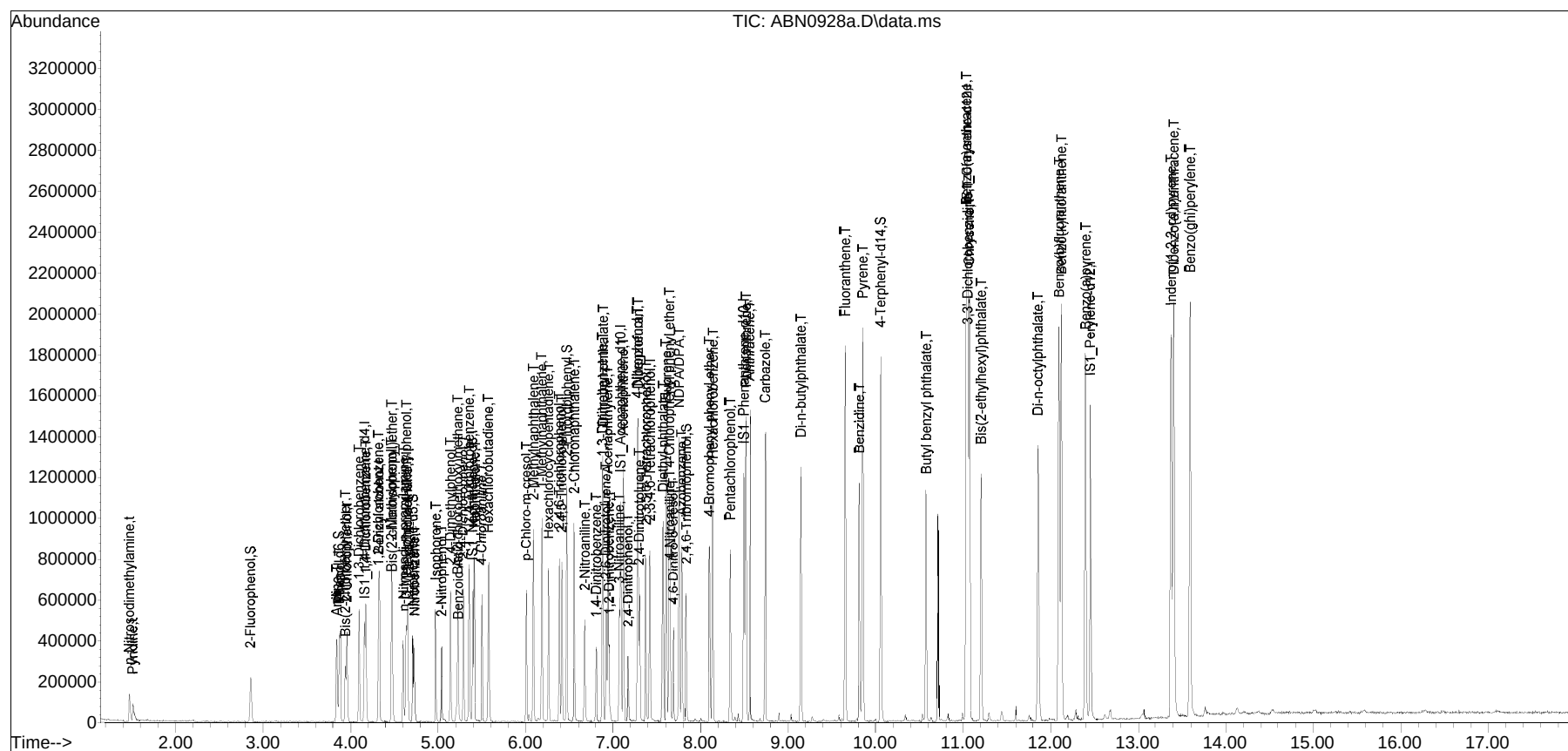
(#) = qualifier out of range (m) = manual integration (+) = signals summed

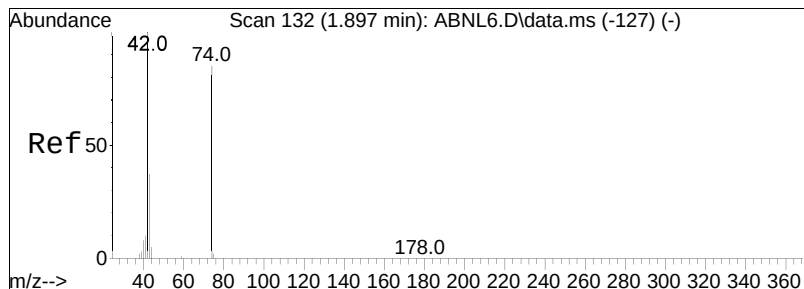
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
Data File : ABN0928a.D
Acq On : 28 Sep 2025 6:33 pm
Operator : Dakota:slr
Sample : WG2120752-3,32,,ABN 11823 gmr0814A
Misc : WG2120752,,ical22568
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Sep 29 12:06:13 2025
Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Sep 26 09:17:20 2025
Response via : Initial Calibration

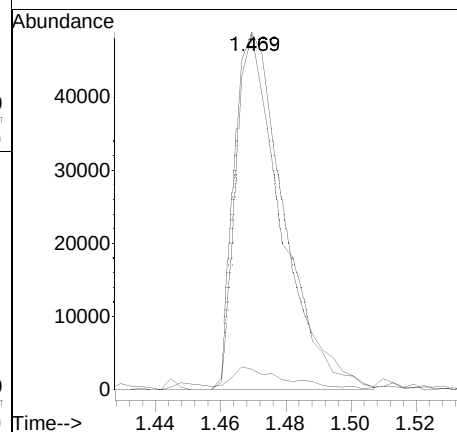
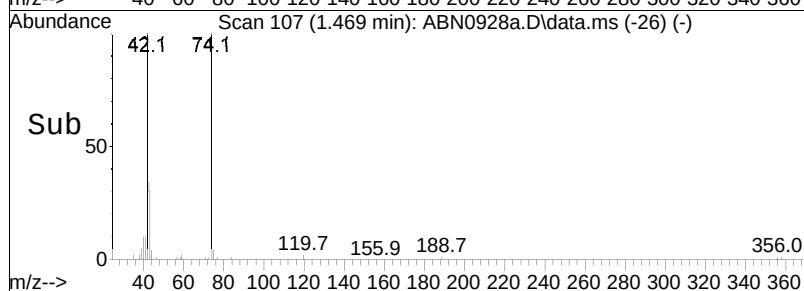
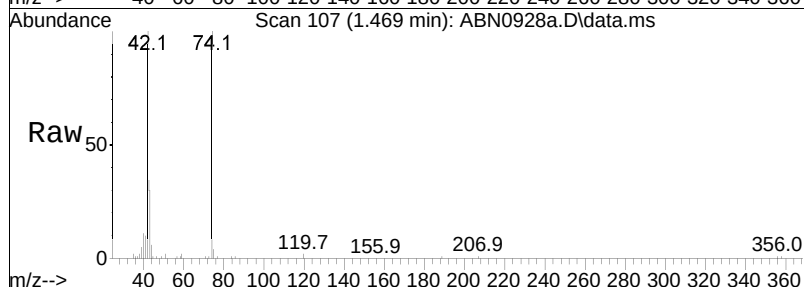
Sub List : ABNical - ABN ical sublist

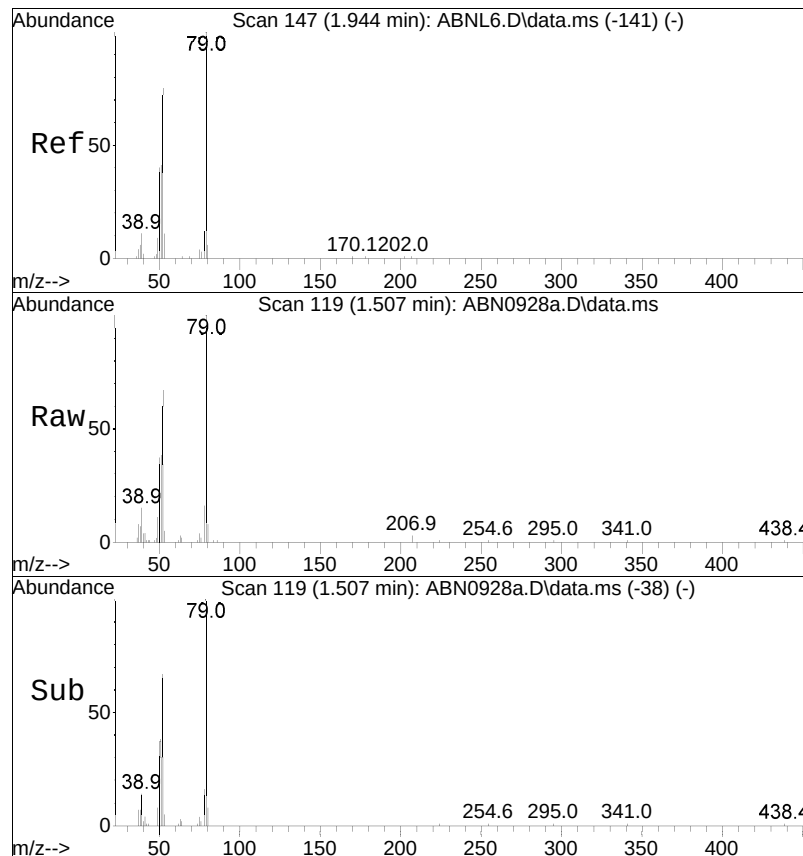




#2
 n-Nitrosodimethylamine
 Concen: 4.31 ug/ml
 RT: 1.469 min Scan# 107
 Delta R.T. 0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

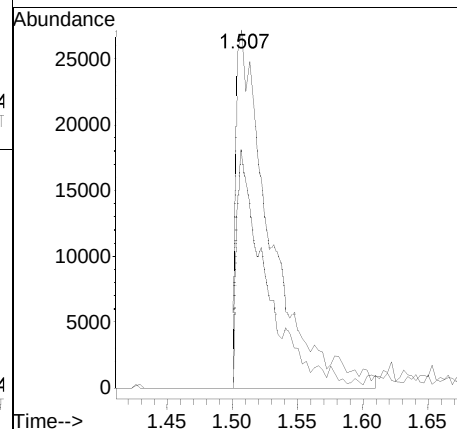
Tgt Ion	Ratio	Lower	Upper
74	100		
42	109.7	100.0	150.0
44	7.0	6.7	10.1

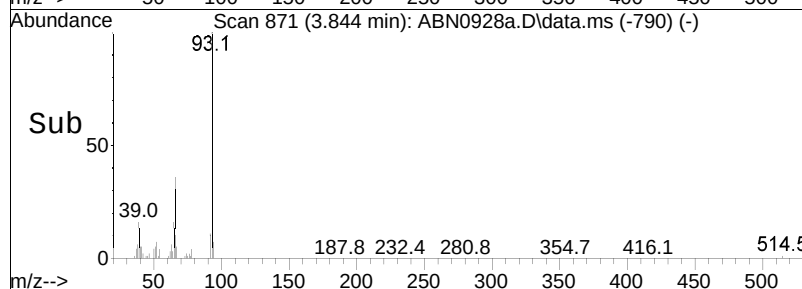
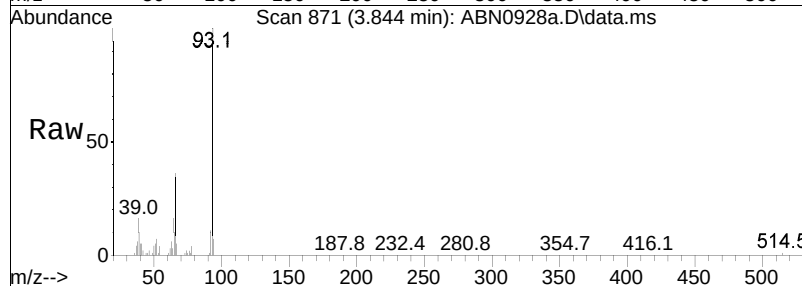
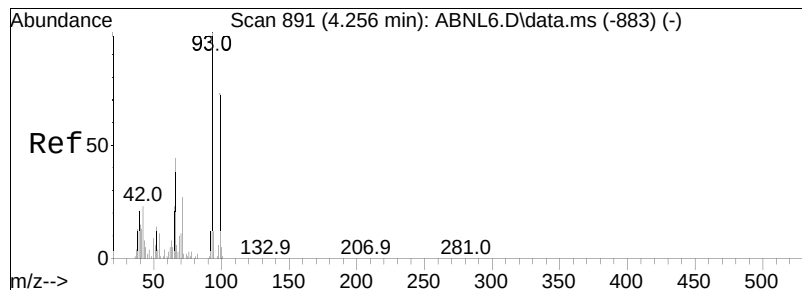




#3
 Pyridine
 Concen: 3.26 ug/ml M1
 RT: 1.507 min Scan# 119
 Delta R.T. 0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

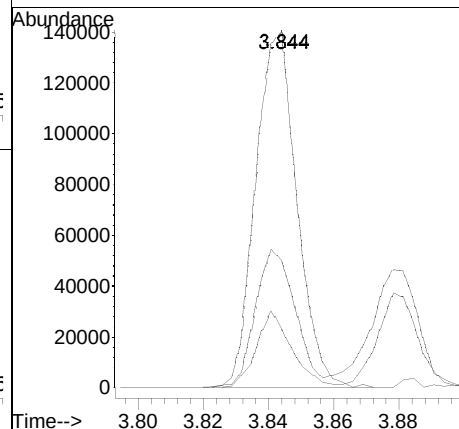
Tgt Ion: 79 Resp: 49636
 Ion Ratio Lower Upper
 79 100
 52 46.1 93.1 139.7#

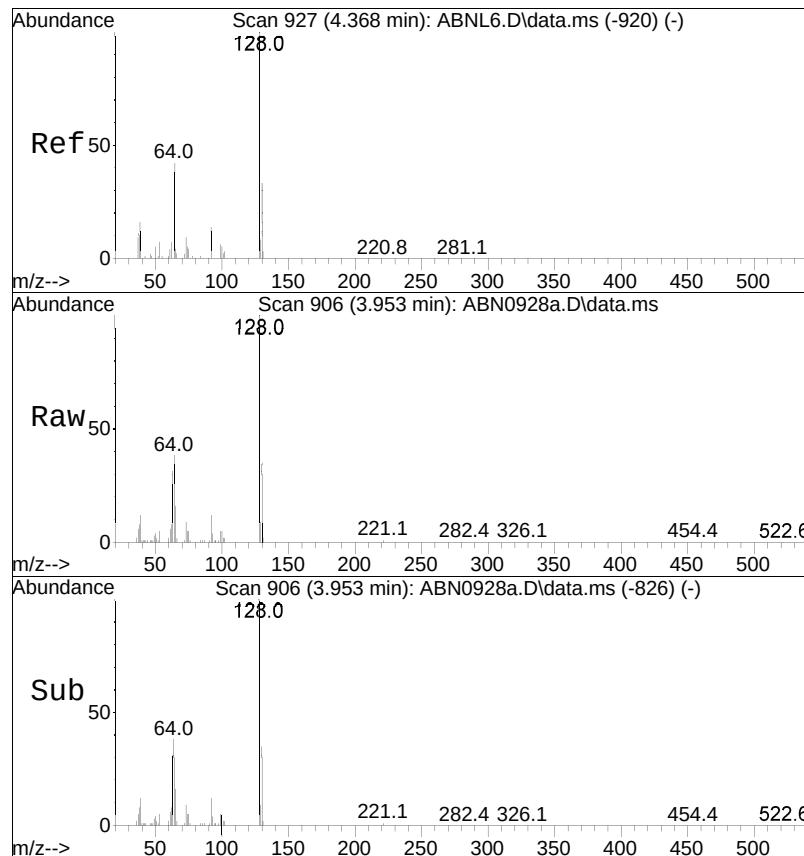




#5
 Aniline
 Concen: 4.50 ug/ml
 RT: 3.844 min Scan# 871
 Delta R.T. 0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

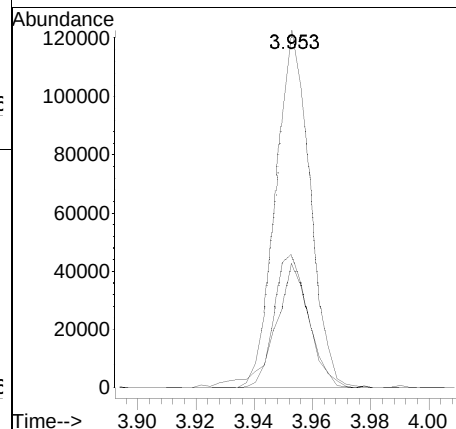
Tgt	Ion: 93	Resp:	122501
Ion	Ratio	Lower	Upper
93	100		
66	37.8	32.6	49.0
65	18.8	17.6	26.4

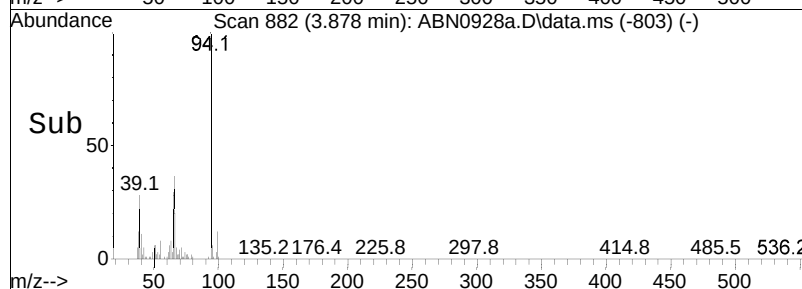
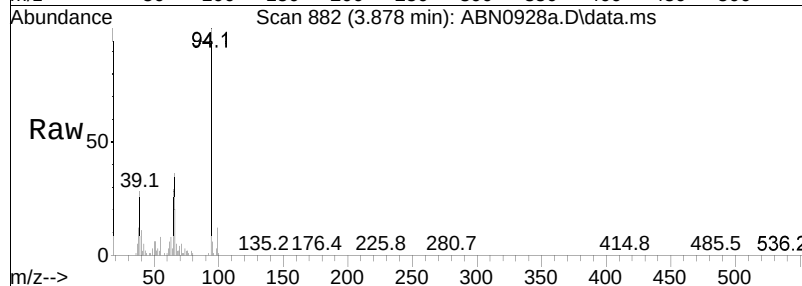
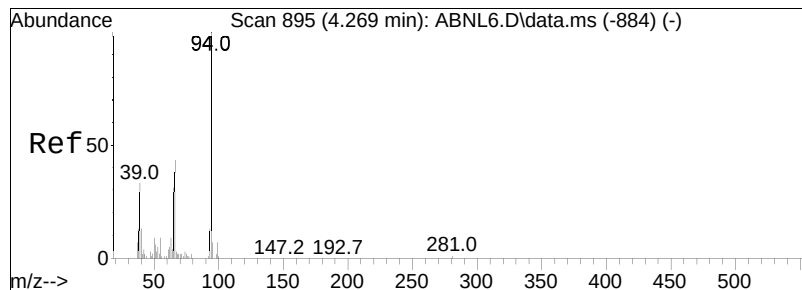




#6
2-Chlorophenol
Concen: 5.06 ug/ml
RT: 3.953 min Scan# 906
Delta R.T. 0.000 min
Lab File: ABN0928a.D
Acq: 28 Sep 2025 6:33 pm

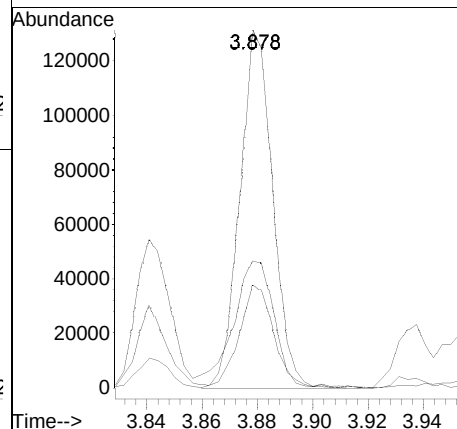
Tgt	Ion	Ratio	Resp	Lower	Upper
128	100		99841		
64	39.5	45.1	67.7#		
130	33.0	26.2	39.4		

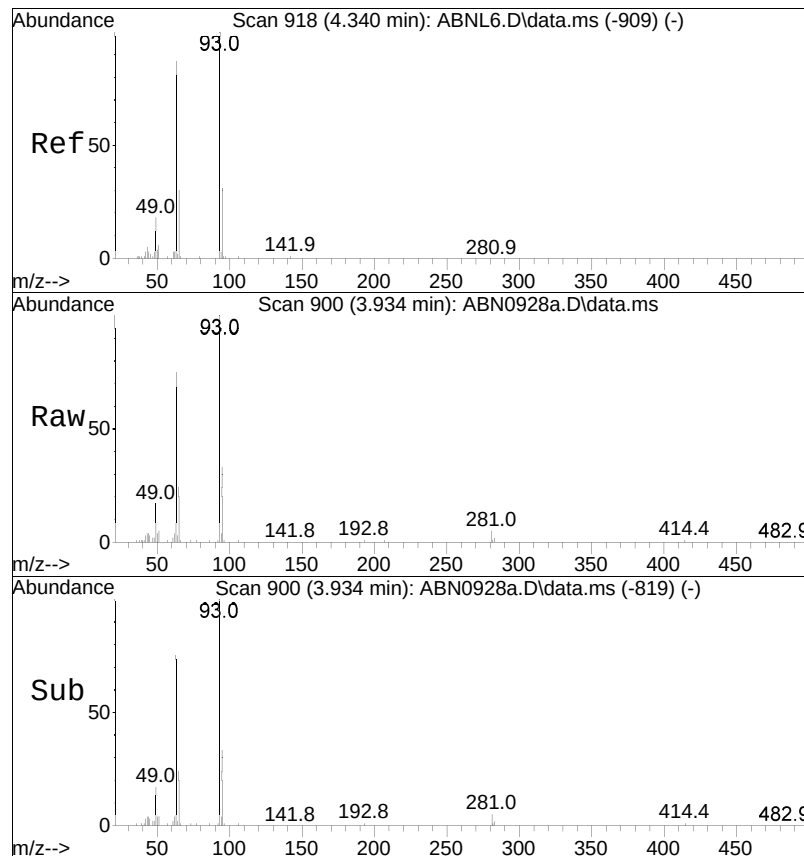




#8
 Phenol
 Concen: 4.37 ug/ml
 RT: 3.878 min Scan# 882
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

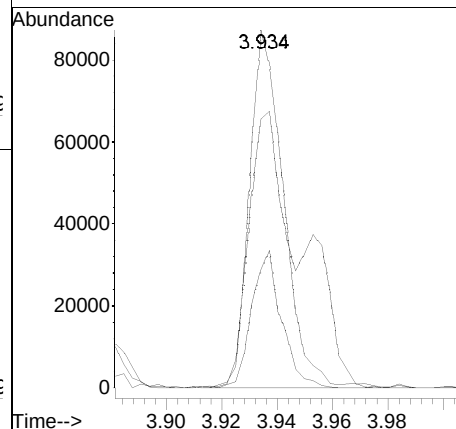
Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.9	26.0	39.0
66	44.6	33.8	50.8

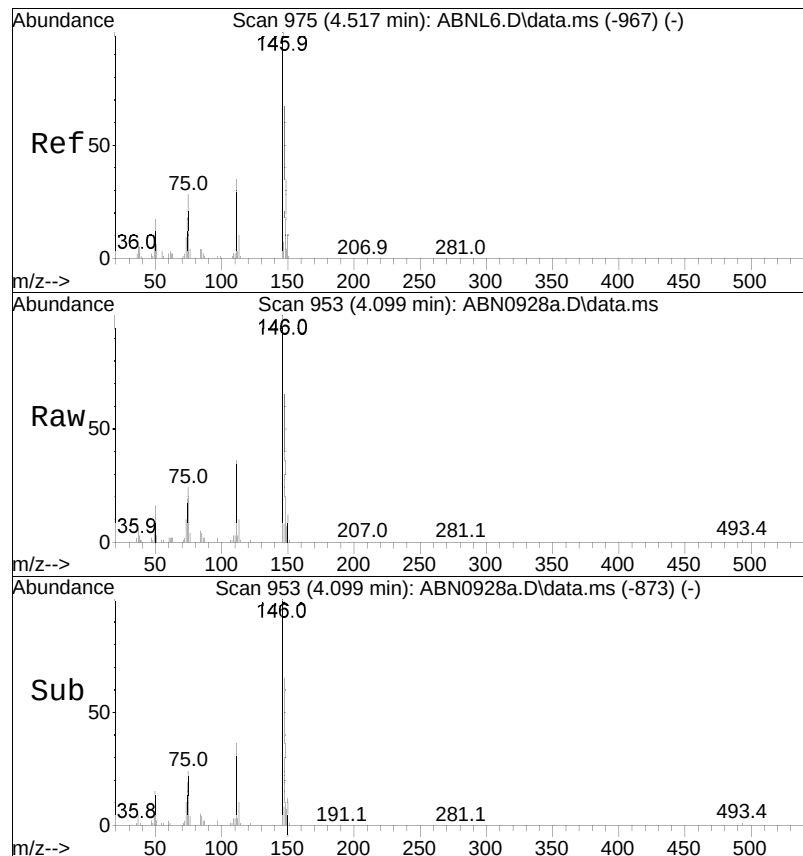




#9
 Bis(2-chloroethyl)ether
 Concen: 4.19 ug/ml
 RT: 3.934 min Scan# 900
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

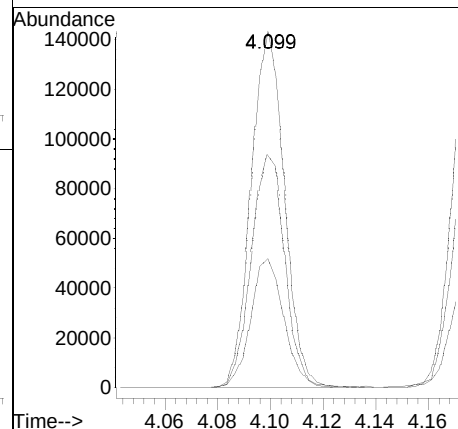
Tgt Ion:	93	Resp:	74399
Ion Ratio	Lower	Upper	
93	100		
63	82.1	74.6	111.8
95	33.8	25.9	38.9

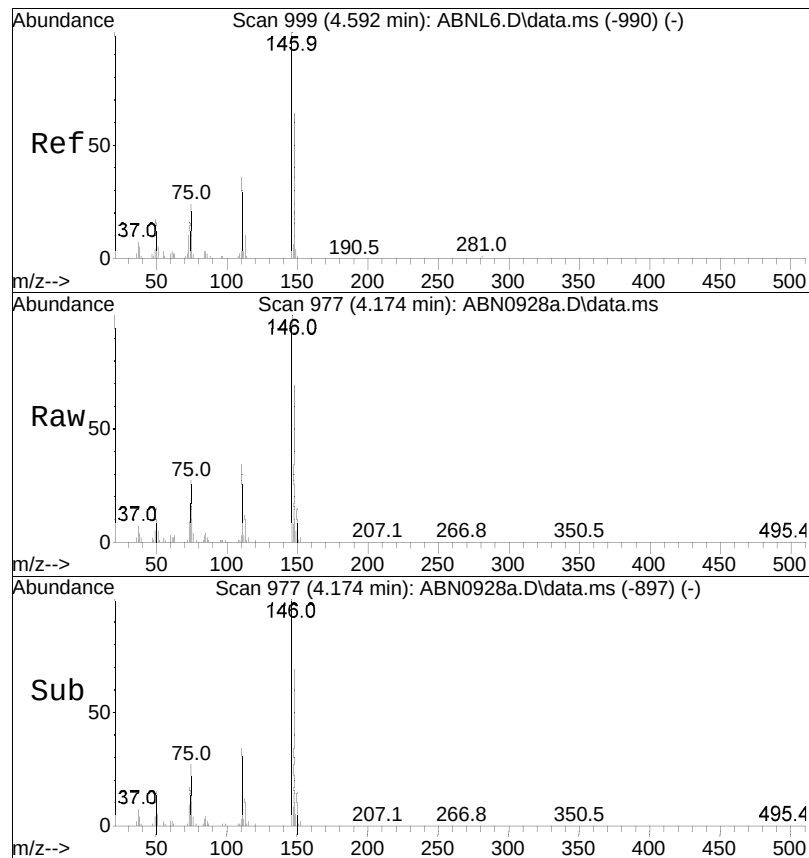




#10
 1,3-Dichlorobenzene
 Concen: 4.53 ug/ml
 RT: 4.099 min Scan# 953
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

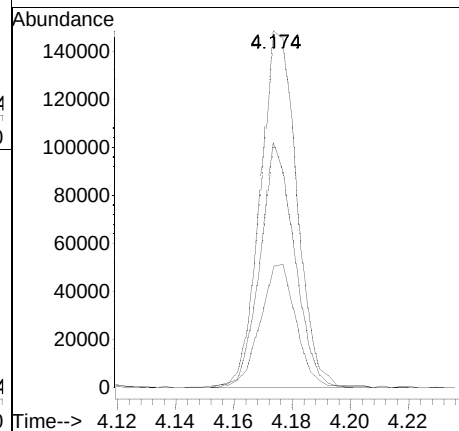
Tgt Ion:	146	Resp:	125945
Ion Ratio	Lower	Upper	
146	100		
111	36.0	34.3	51.5
148	65.9	50.8	76.2

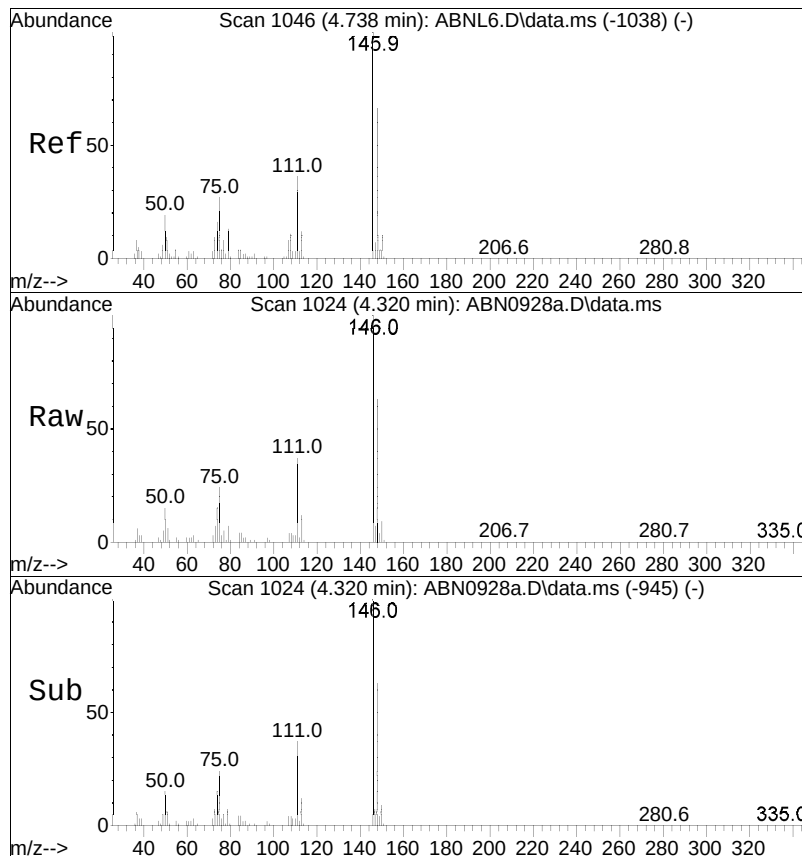




#11
 1,4-Dichlorobenzene
 Concen: 4.60 ug/ml
 RT: 4.174 min Scan# 977
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

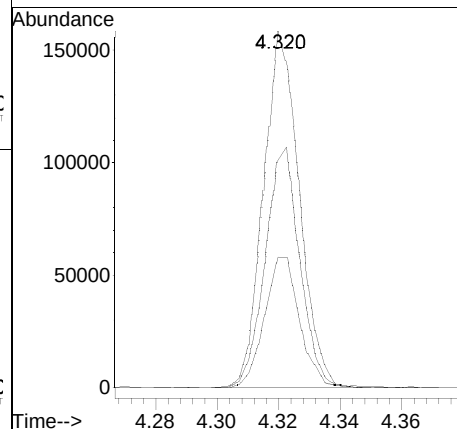
Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.7	76.1
111	34.1	33.4	50.0

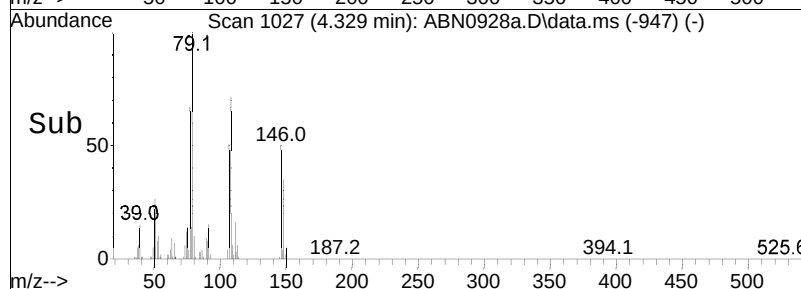
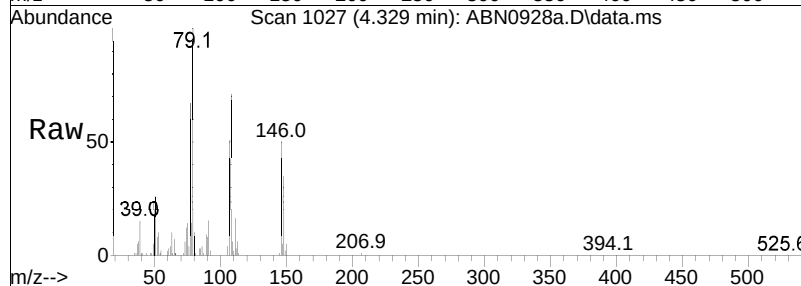
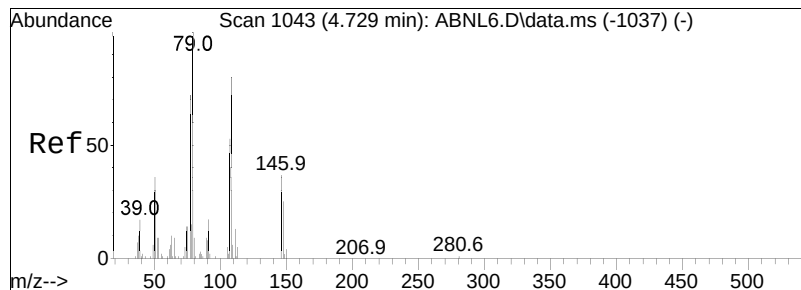




#12
 1,2-Dichlorobenzene
 Concen: 4.76 ug/ml
 RT: 4.320 min Scan# 1024
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

Tgt Ion:	146	Resp:	128048
Ion Ratio	Lower	Upper	
146	100		
111	36.1	34.6	52.0
148	65.5	50.2	75.4





#13

Benzyl alcohol

Concen: 5.06 ug/ml

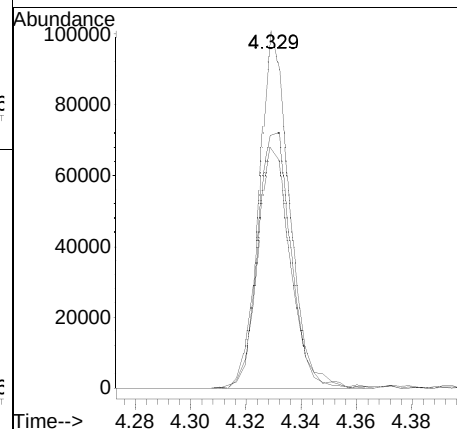
RT: 4.329 min Scan# 1027

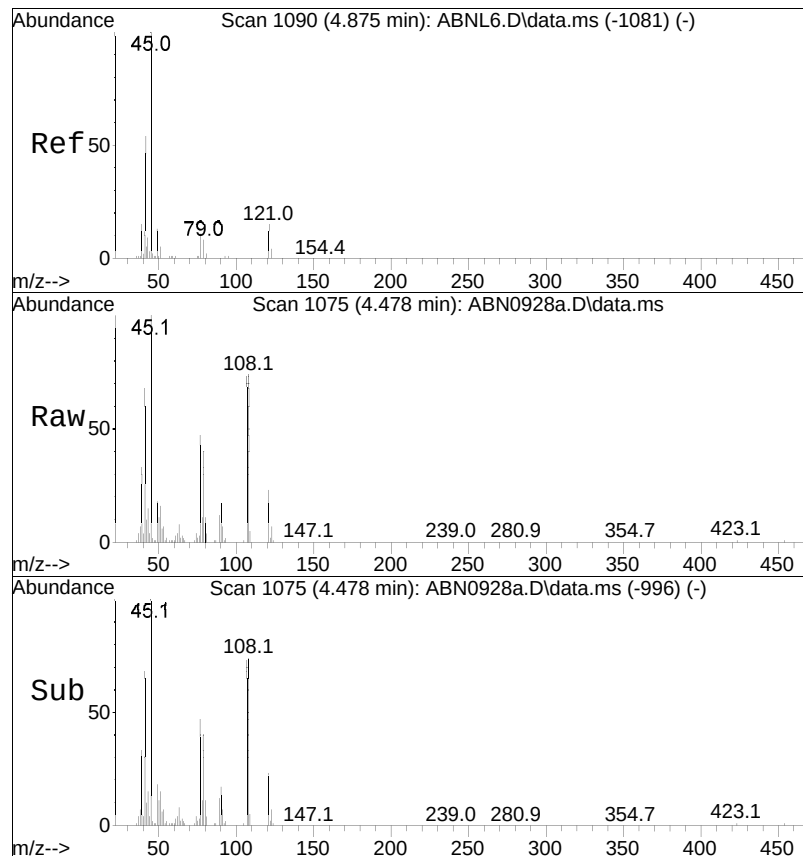
Delta R.T. 0.000 min

Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm

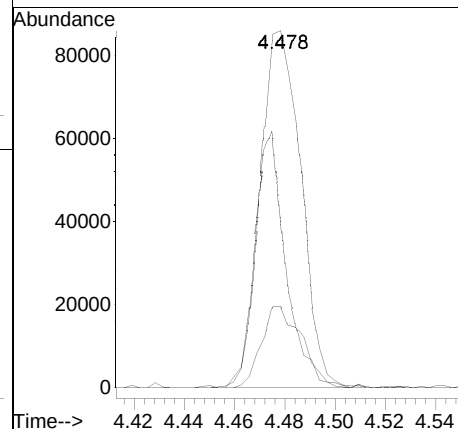
Tgt Ion:	79	Resp:	76901
Ion Ratio	Lower	Upper	
79	100		
77	72.7	54.9	82.3
108	78.1	63.1	94.7

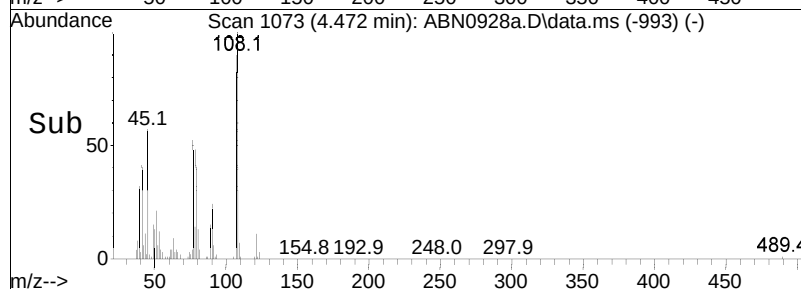
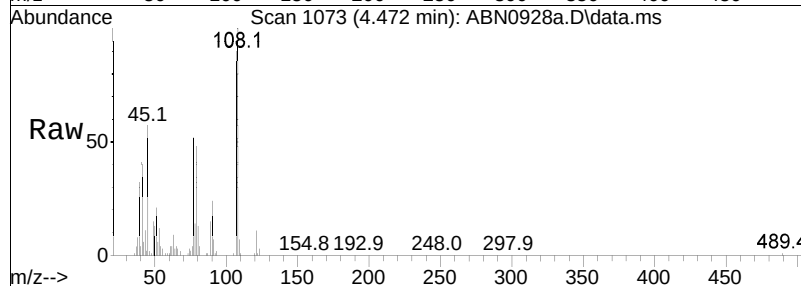
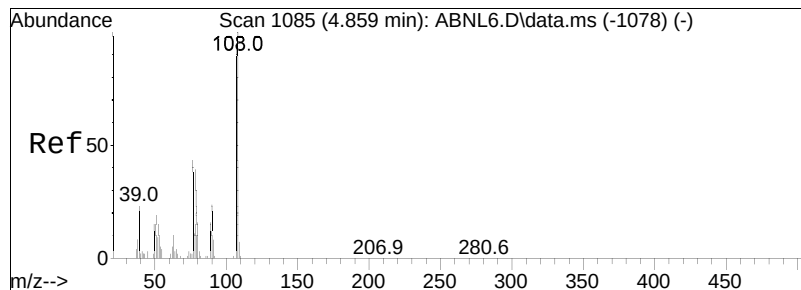




#14
 Bis(2-chloroisopropyl)ether
 Concen: 3.05 ug/ml
 RT: 4.478 min Scan# 1075
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

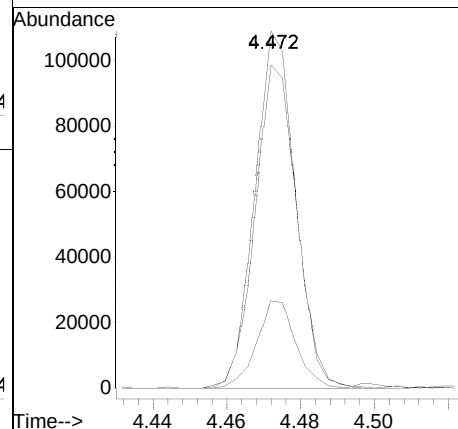
Tgt	Ion: 45	Resp:	96348
Ion	Ratio	Lower	Upper
45	100		
121	22.5	9.8	14.6#
77	54.8	6.1	9.1#

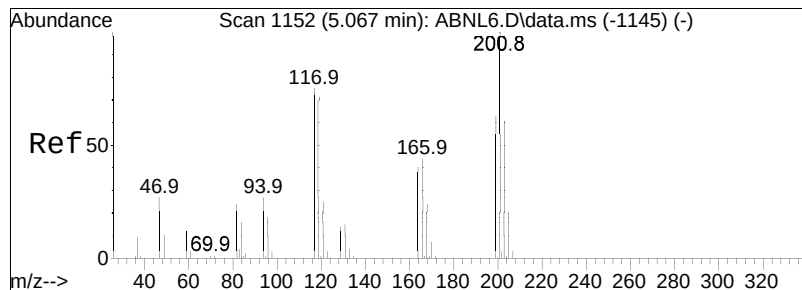




#15
 2-Methylphenol
 Concen: 4.96 ug/ml
 RT: 4.472 min Scan# 1073
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

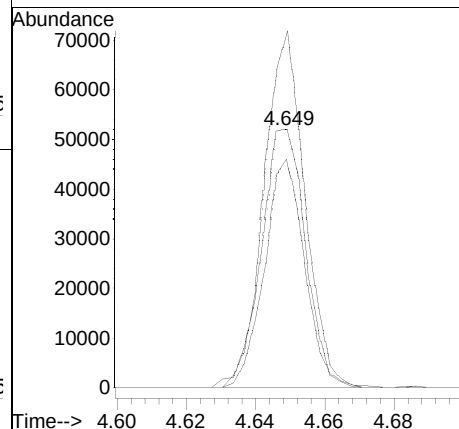
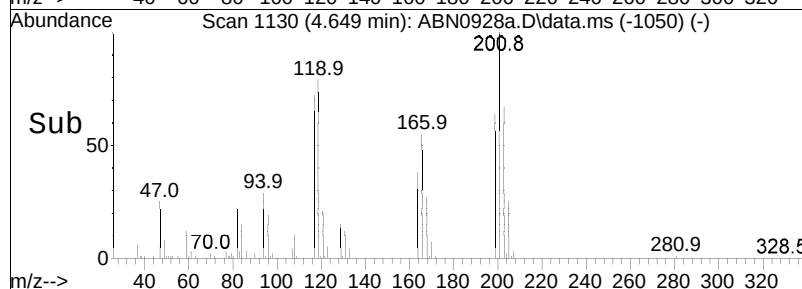
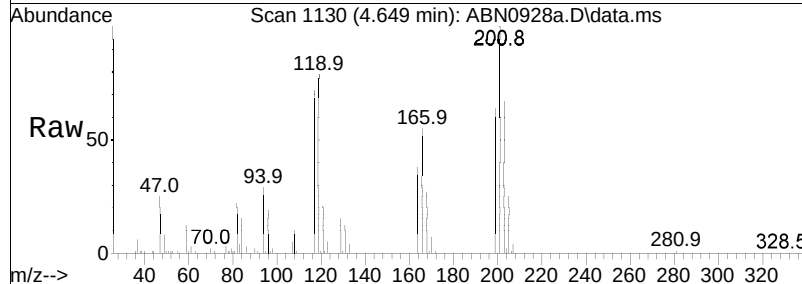
Tgt	Ion	Ratio	Lower	Upper
108	108	100		
107	92.1	70.7	106.1	
90	23.4	18.7	28.1	

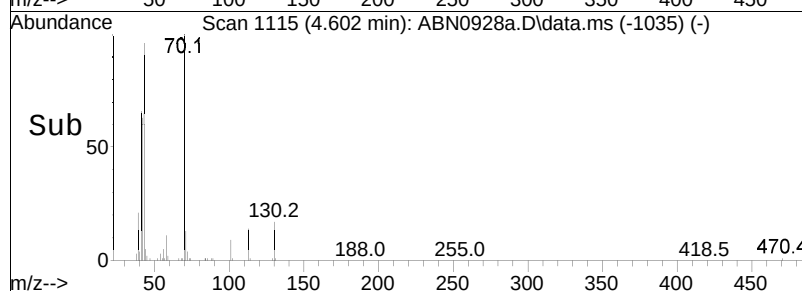
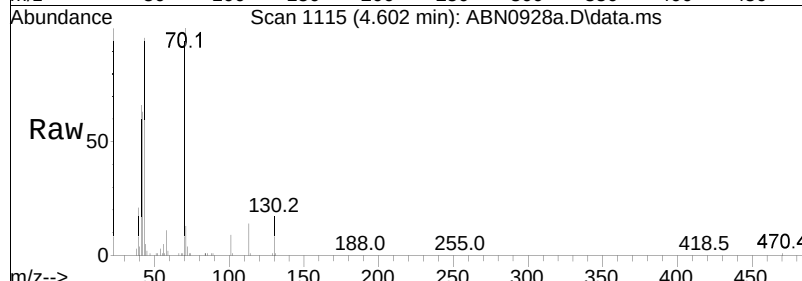
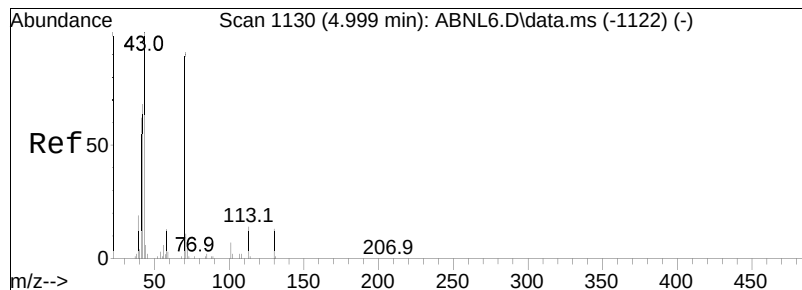




#16
 Hexachloroethane
 Concen: 4.65 ug/ml
 RT: 4.649 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

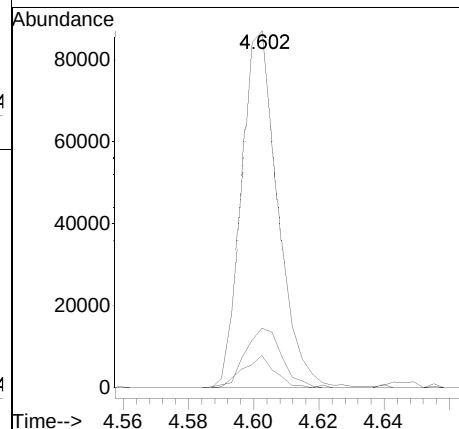
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	46045		
201	127.5	58.6	87.8#	
199	80.6	36.9	55.3#	

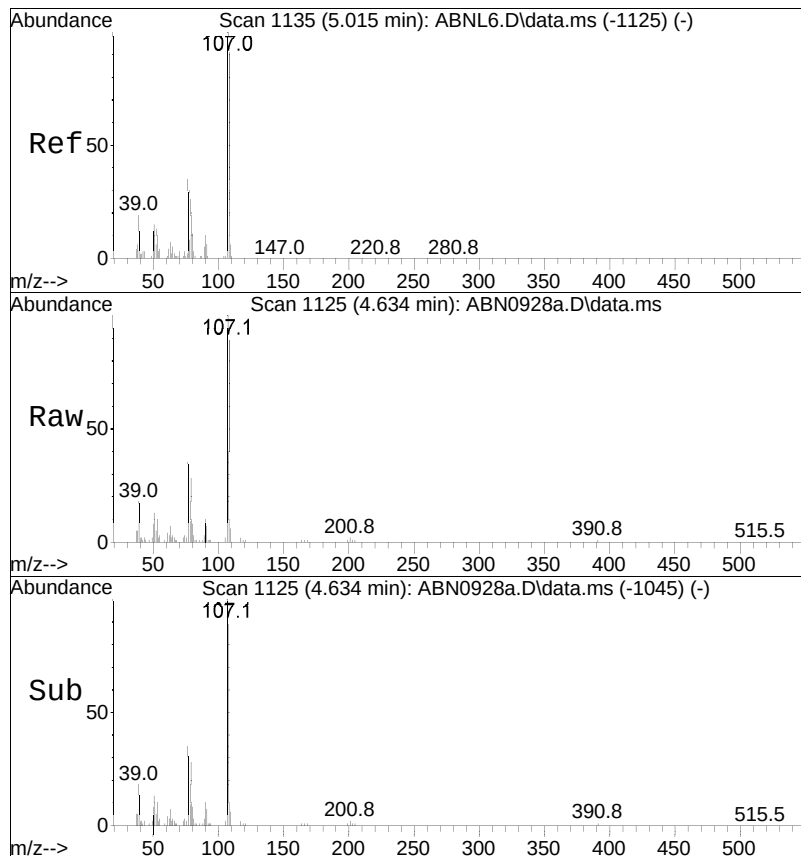




#17
 n-Nitrosodi-n-propylamine
 Concen: 4.61 ug/ml
 RT: 4.602 min Scan# 1115
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

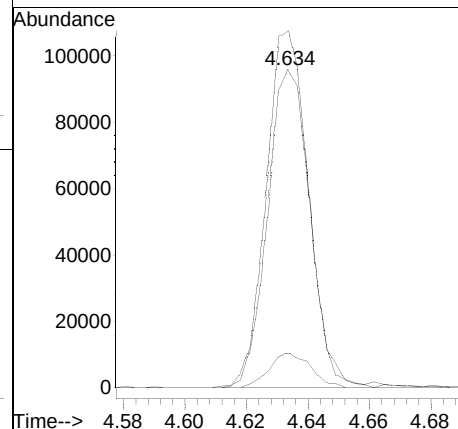
Tgt Ion	Ratio	Lower	Upper
70	100		
130	16.8	18.2	27.4#
101	7.9	7.8	11.8

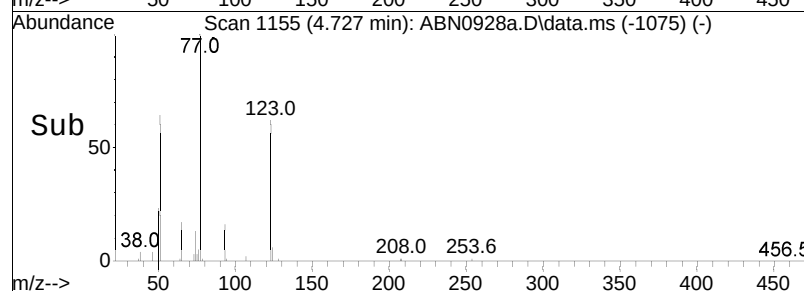
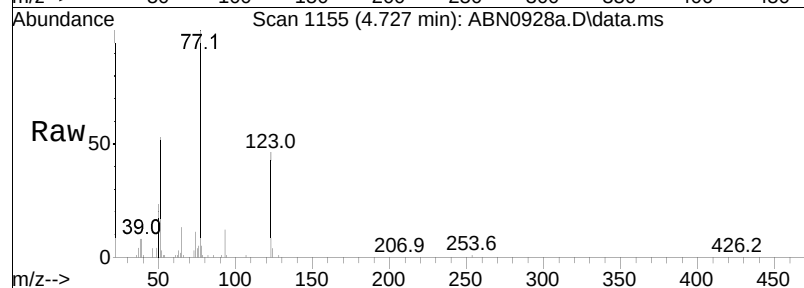
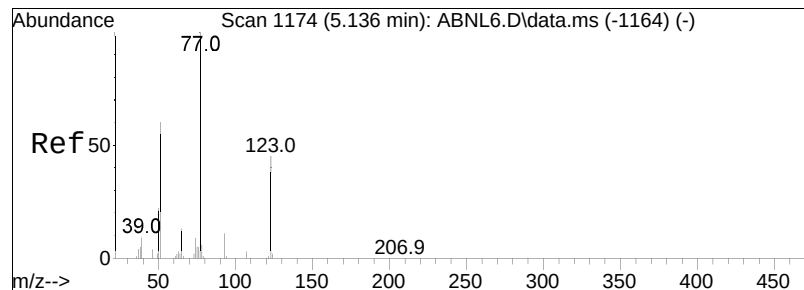




#18
 3-Methylphenol/4-Methylphenol
 Concen: 4.88 ug/ml
 RT: 4.634 min Scan# 1125
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	91995		
107	111.2		88.6	132.8
90	10.5		8.8	13.2





#20

Nitrobenzene

Concen: 4.66 ug/ml

RT: 4.727 min Scan# 1155

Delta R.T. 0.000 min

Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm

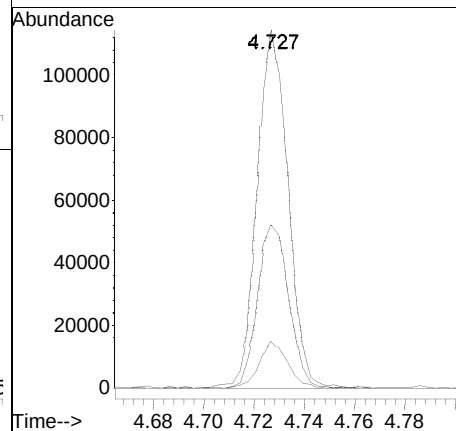
Tgt Ion: 77 Resp: 96553

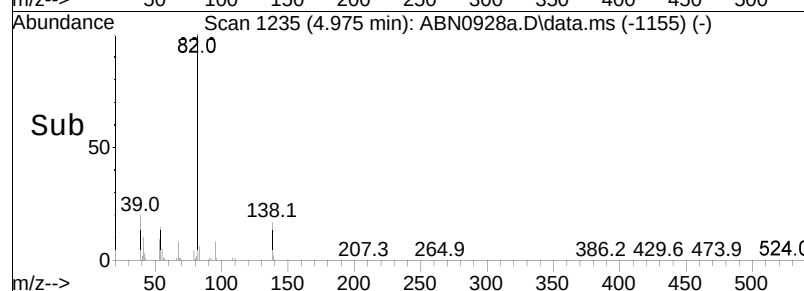
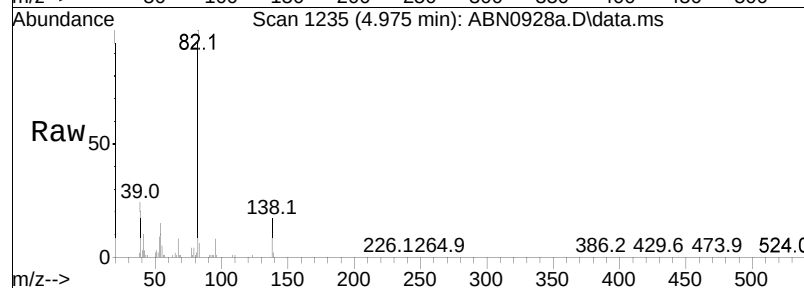
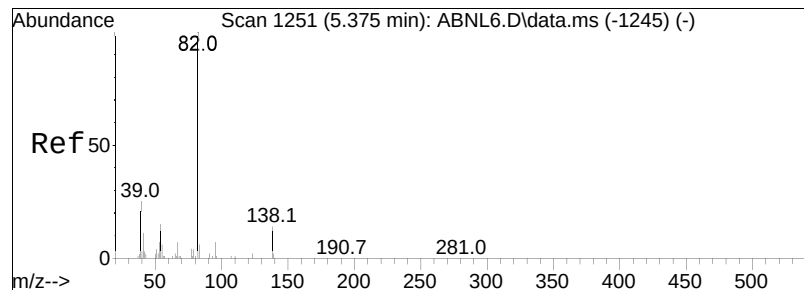
Ion Ratio Lower Upper

77 100

123 46.2 36.3 54.5

65 12.2 11.6 17.4





#21

Isophorone

Concen: 4.65 ug/ml

RT: 4.975 min Scan# 1235

Delta R.T. 0.000 min

Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm

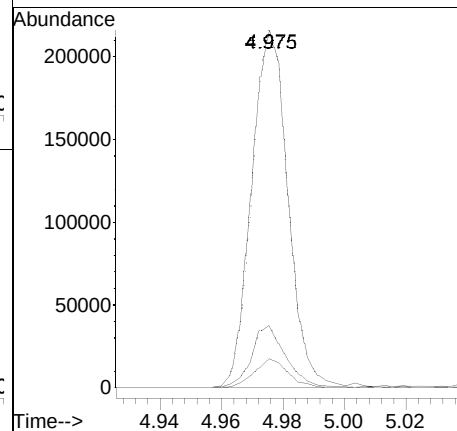
Tgt Ion: 82 Resp: 175777

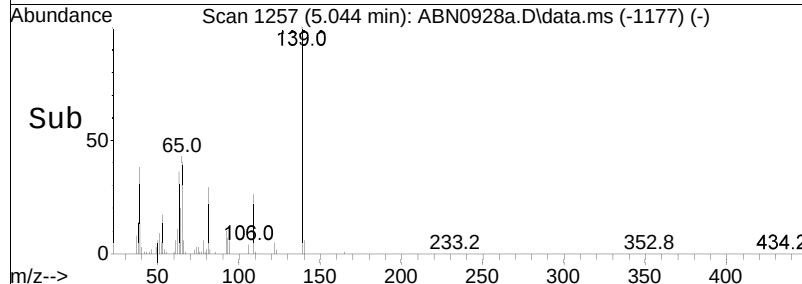
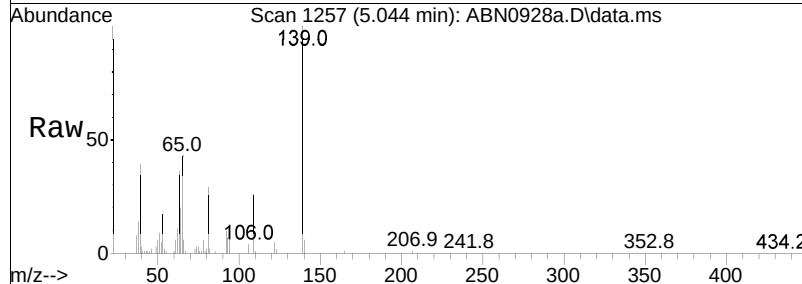
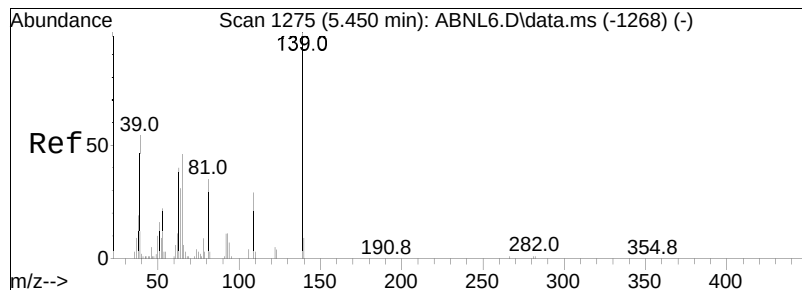
Ion Ratio Lower Upper

82 100

138 16.3 14.7 22.1

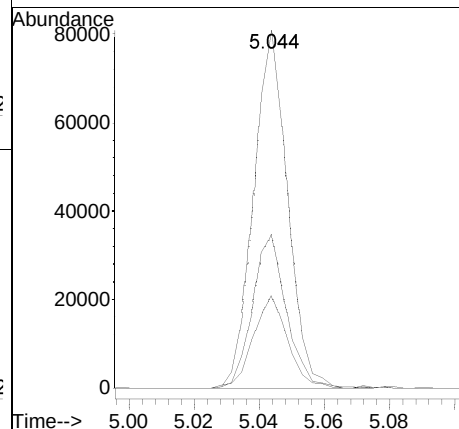
95 7.4 5.2 7.8

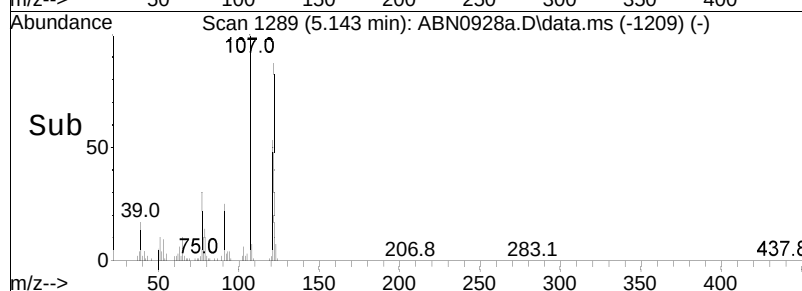
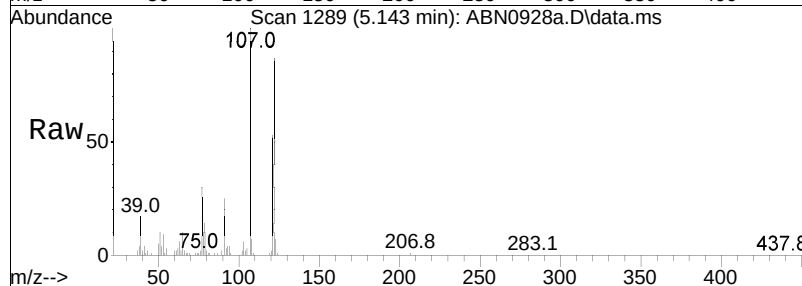
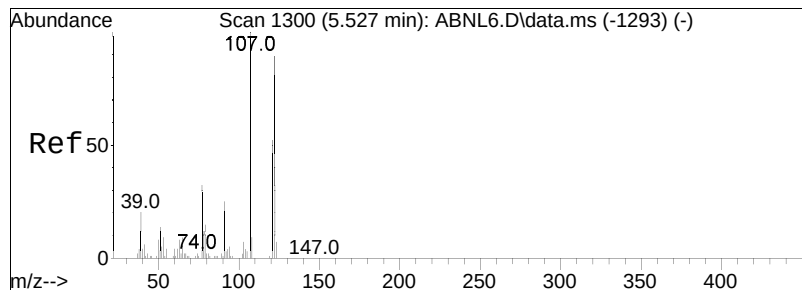




#22
 2-Nitrophenol
 Concen: 5.98 ug/ml
 RT: 5.044 min Scan# 1257
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

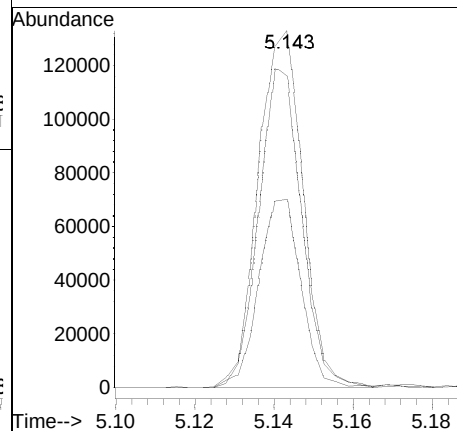
Tgt Ion	Ratio	Lower	Upper
139	100		
109	26.1	19.4	29.0
65	42.7	46.1	69.1#

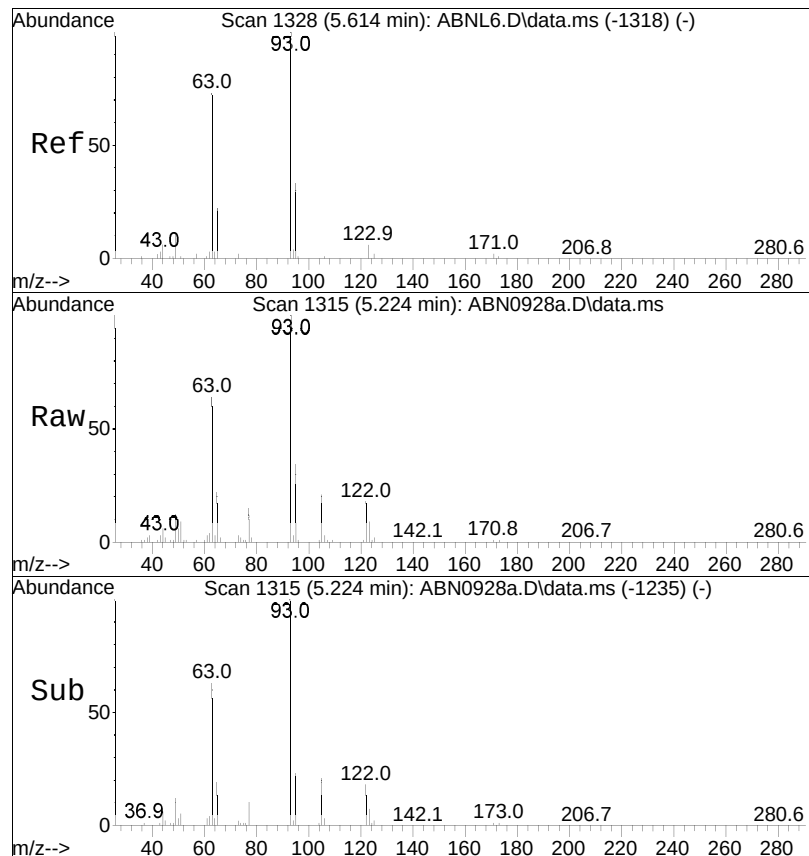




#23
 2,4-Dimethylphenol
 Concen: 5.36 ug/ml
 RT: 5.143 min Scan# 1289
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

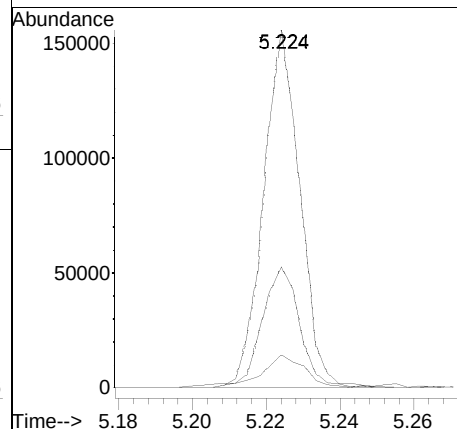
Tgt Ion	Ratio	Lower	Upper
107	100		
121	50.0	40.0	60.0
122	85.1	70.2	105.4

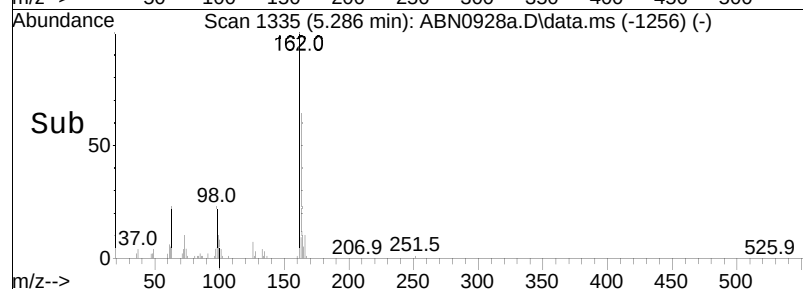
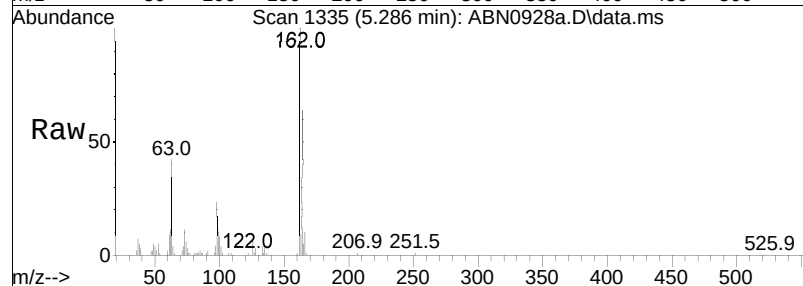
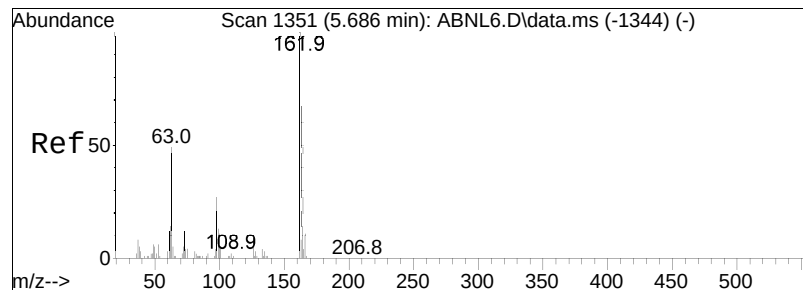




#24
 Bis(2-chloroethoxy)methane
 Concen: 4.21 ug/ml
 RT: 5.224 min Scan# 1315
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

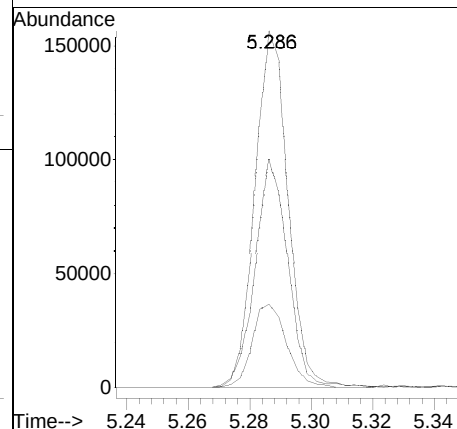
Tgt Ion:	93	Resp:	105741
Ion Ratio	Lower	Upper	
93	100		
95	34.8	25.8	38.8
123	11.1	10.1	15.1

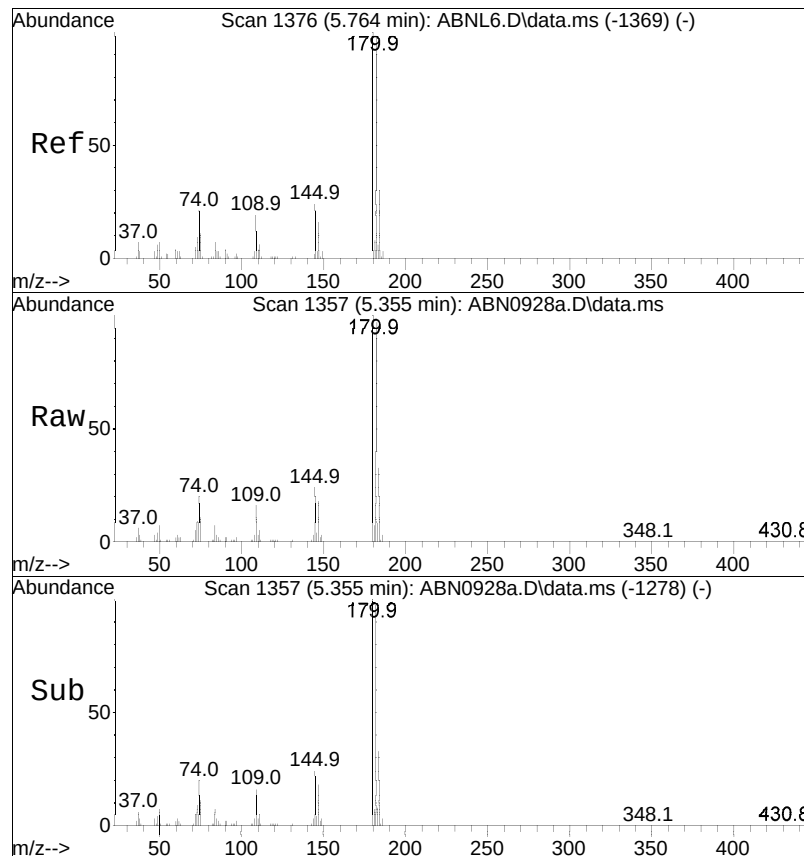




#25
 2,4-Dichlorophenol
 Concen: 5.35 ug/ml
 RT: 5.286 min Scan# 1335
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

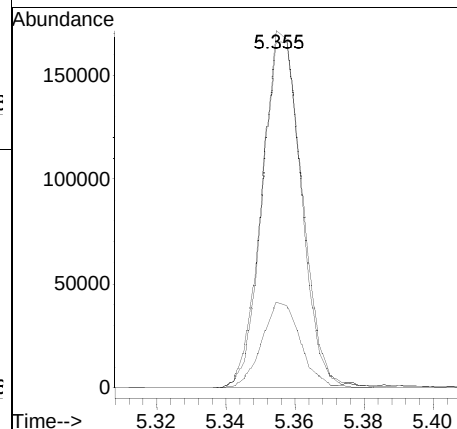
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	116698		
164	63.8		51.0	76.4
98	24.5		32.2	48.2

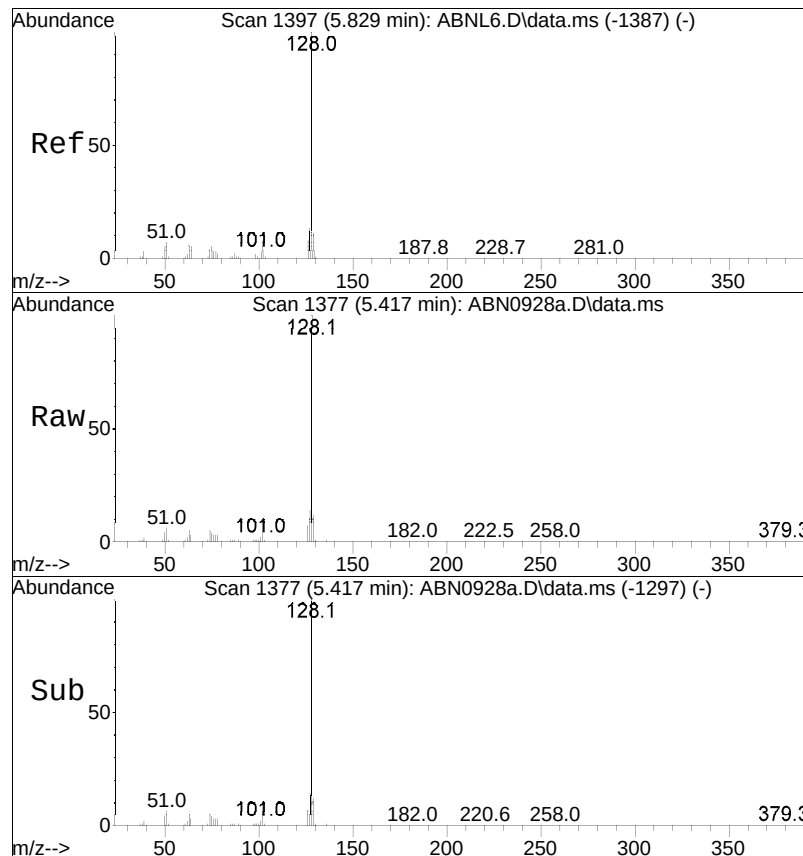




#26
 1,2,4-Trichlorobenzene
 Concen: 5.03 ug/ml
 RT: 5.355 min Scan# 1357
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

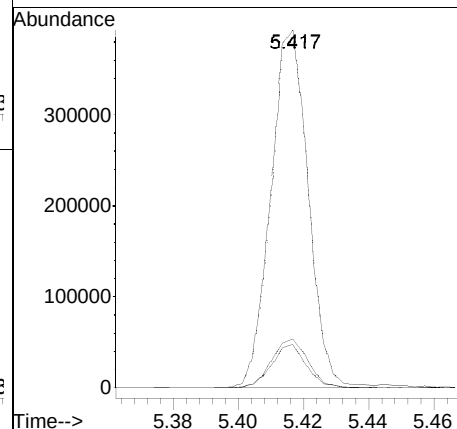
Tgt Ion:	180	Resp:	137991
Ion Ratio	Lower	Upper	
180	100		
182	95.1	76.0	114.0
145	23.4	25.7	38.5#

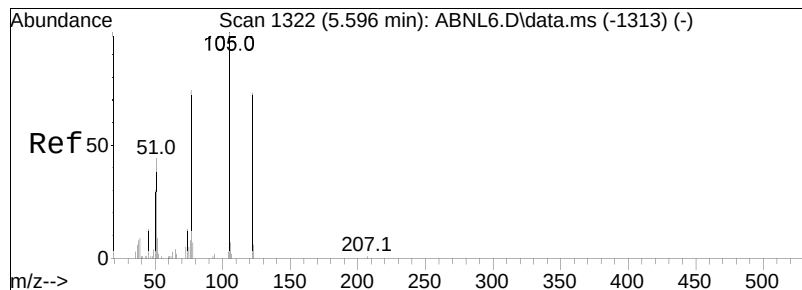




#38
 Naphthalene
 Concen: 4.70 ug/ml
 RT: 5.417 min Scan# 1377
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	13.4	10.3	15.5





#39

Benzoic Acid

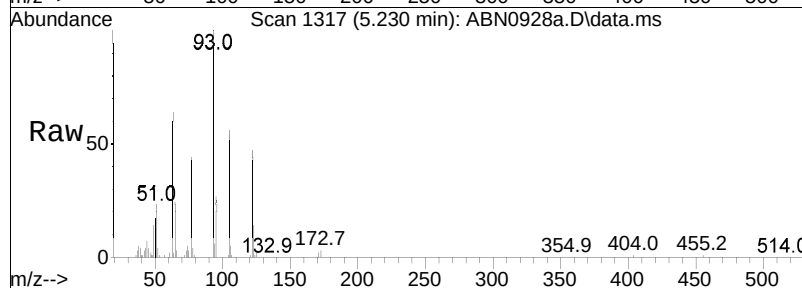
Concen: 5.50 ug/ml

RT: 5.230 min Scan# 1317

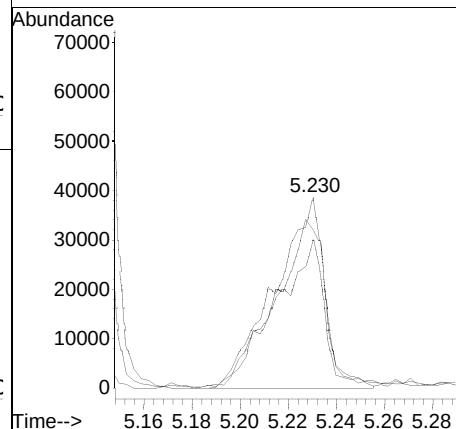
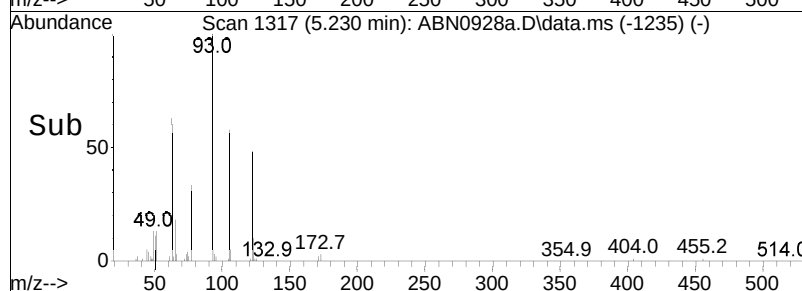
Delta R.T. 0.006 min

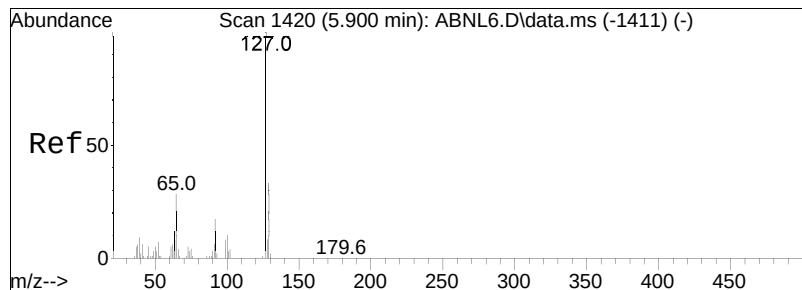
Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm



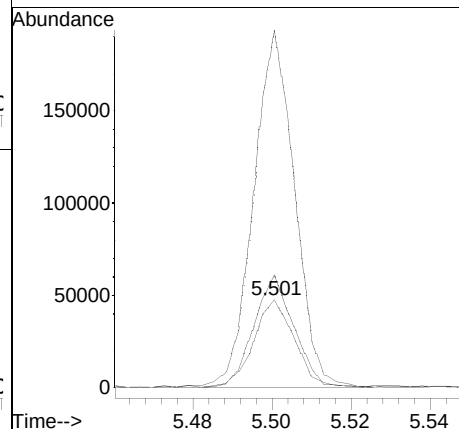
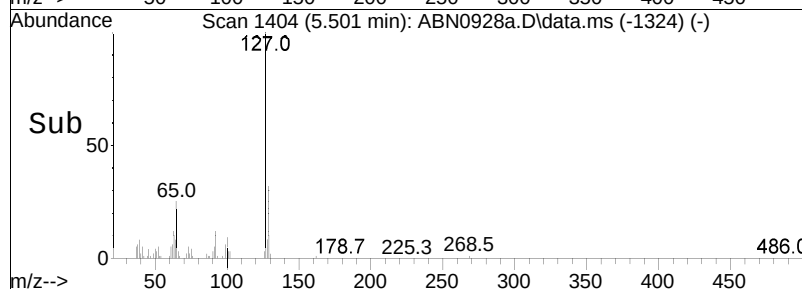
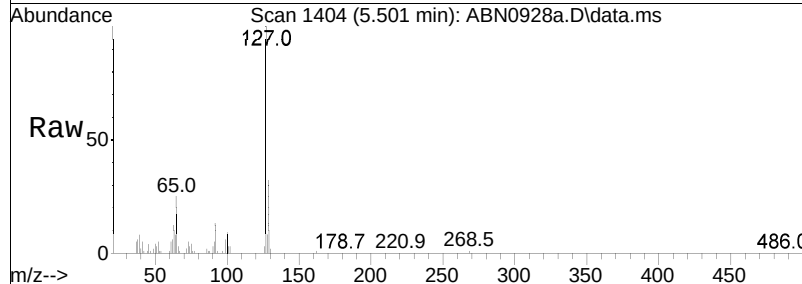
Tgt Ion:	105	Resp:	55528
Ion Ratio	Lower	Upper	
105	100		
122	89.4	59.9	89.9
77	77.8	60.1	90.1

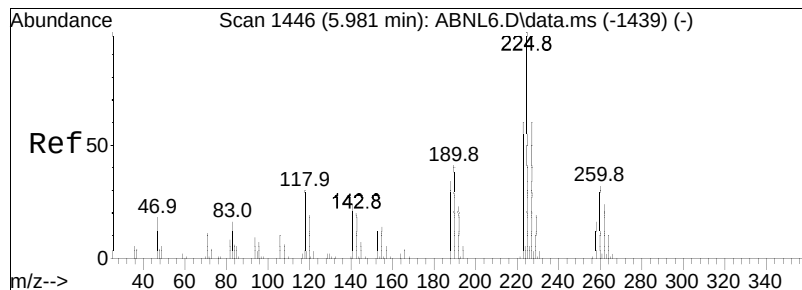




#40
 4-Chloroaniline
 Concen: 4.07 ug/ml
 RT: 5.501 min Scan# 1404
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

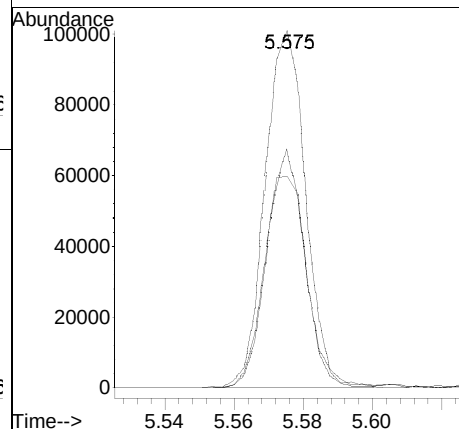
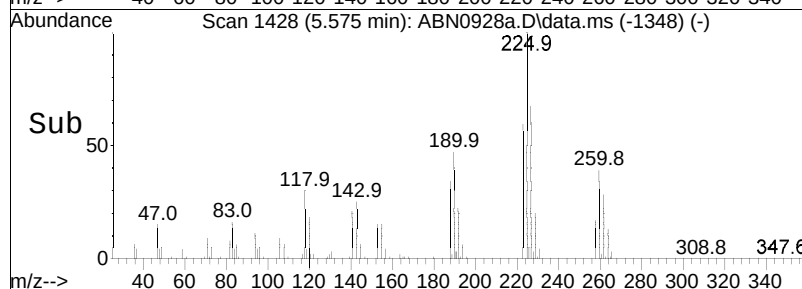
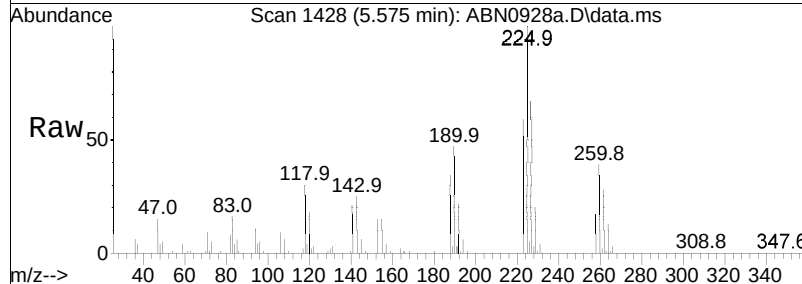
Tgt Ion	Ratio	Lower	Upper
65	100		
127	405.0	237.6	356.4#
129	125.7	76.3	114.5#

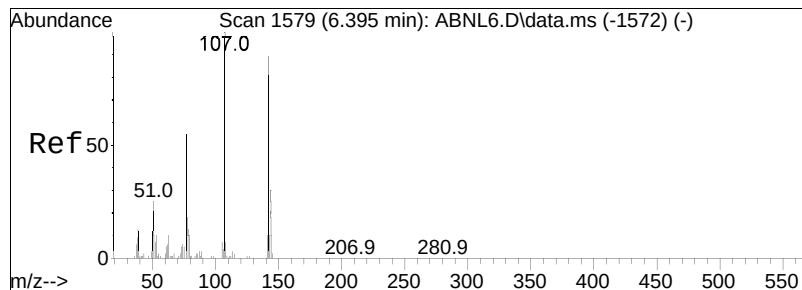




#41
 Hexachlorobutadiene
 Concen: 4.56 ug/ml
 RT: 5.575 min Scan# 1428
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

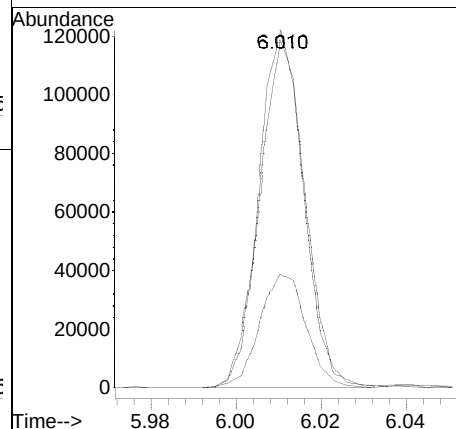
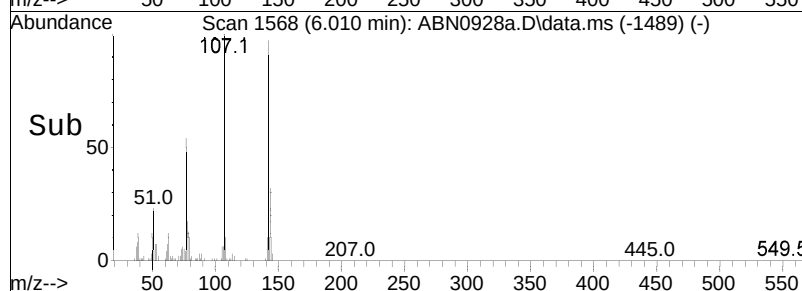
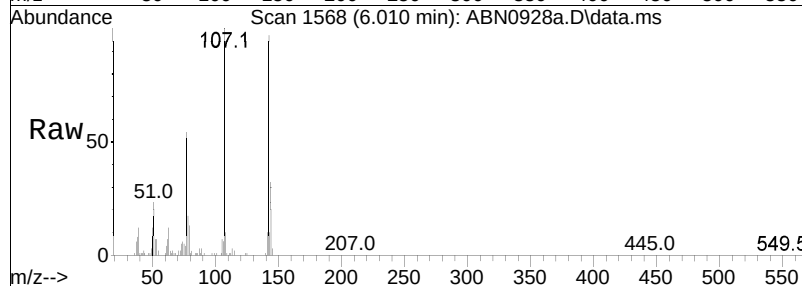
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	50.3	75.5
227	65.1	52.2	78.2

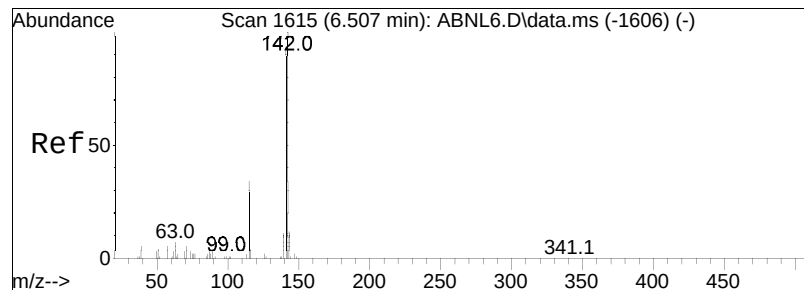




#42
 p-Chloro-m-cresol
 Concen: 5.07 ug/ml
 RT: 6.010 min Scan# 1568
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

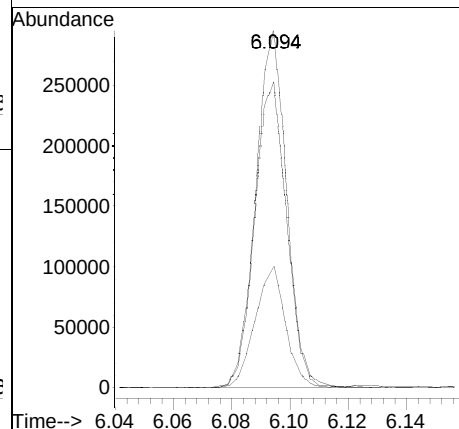
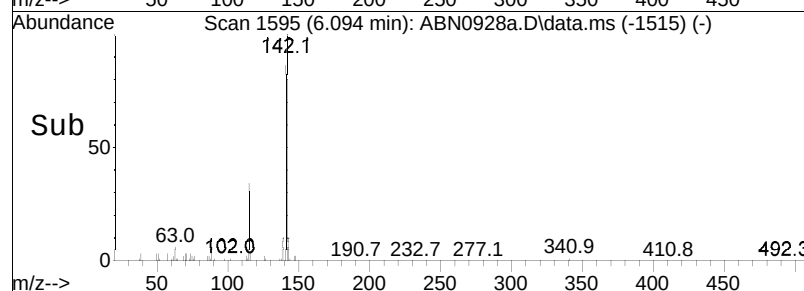
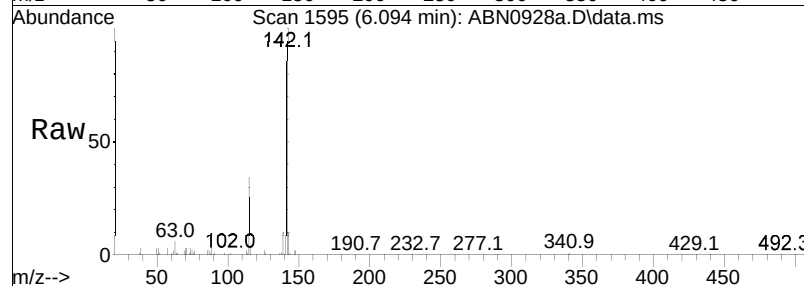
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	88593		
144	33.2		20.9	31.3#
142	97.7		66.1	99.1

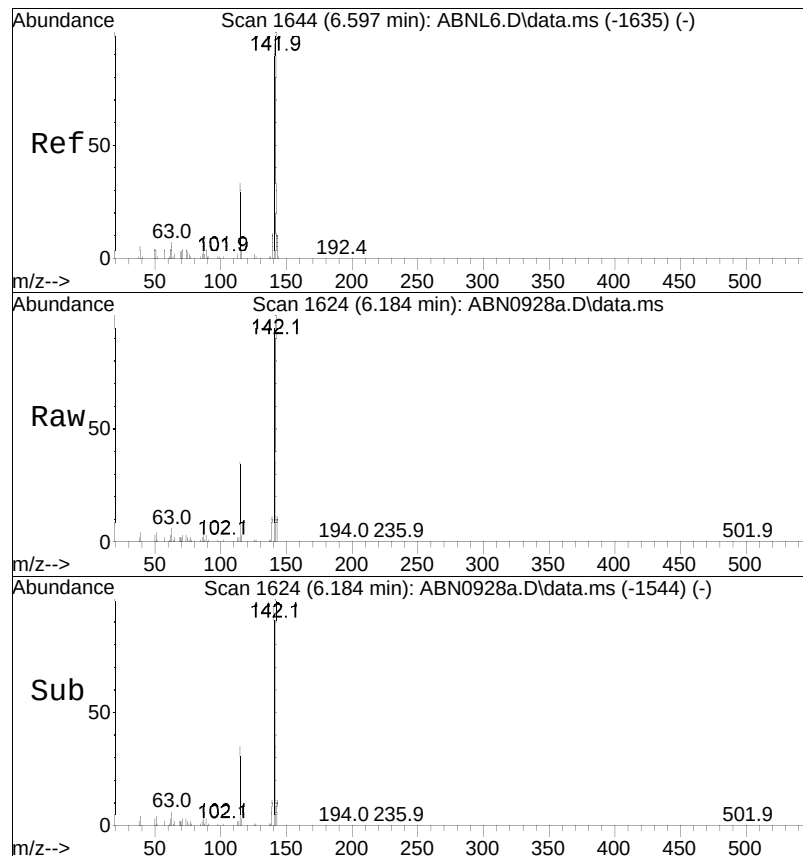




#43
 2-Methylnaphthalene
 Concen: 5.03 ug/ml
 RT: 6.094 min Scan# 1595
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

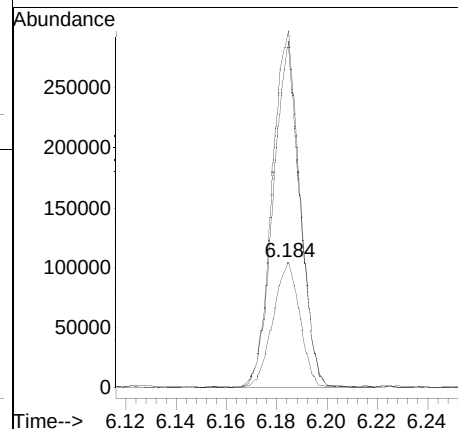
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	69.6	104.4
115	33.9	26.6	40.0

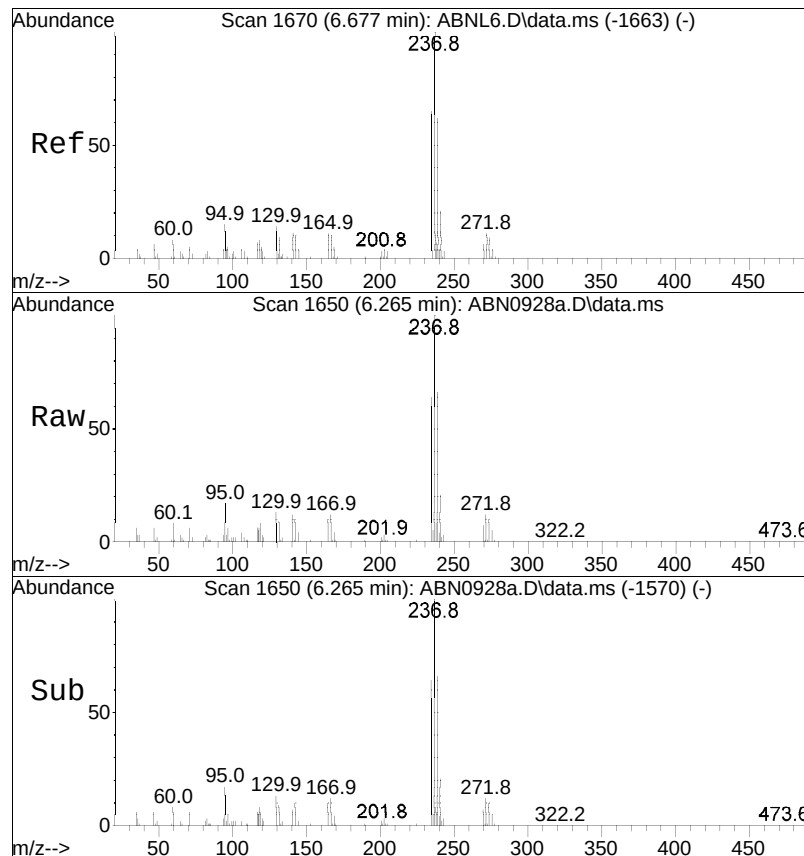




#44
 1-Methylnaphthalene
 Concen: 4.91 ug/ml
 RT: 6.184 min Scan# 1624
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

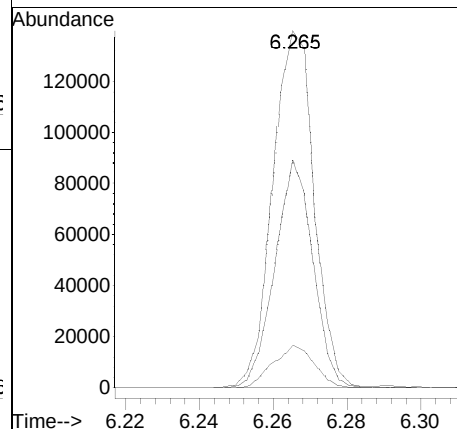
Tgt Ion:	115	Resp:	79827
Ion Ratio	Lower	Upper	
115	100		
141	265.2	207.8	311.6
142	286.4	226.8	340.2

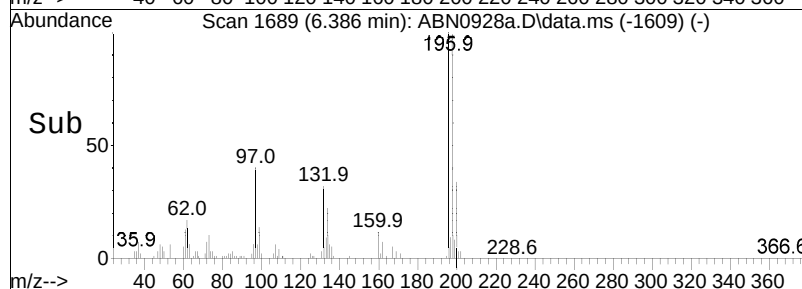
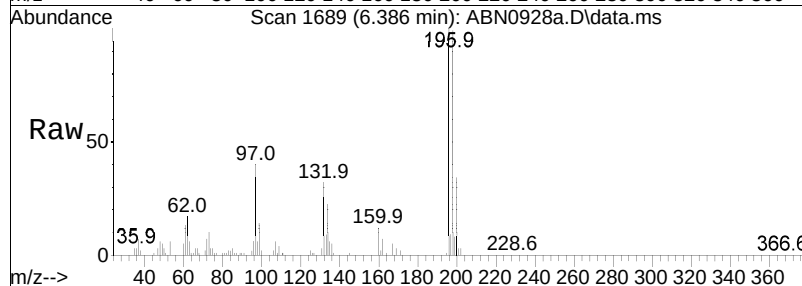
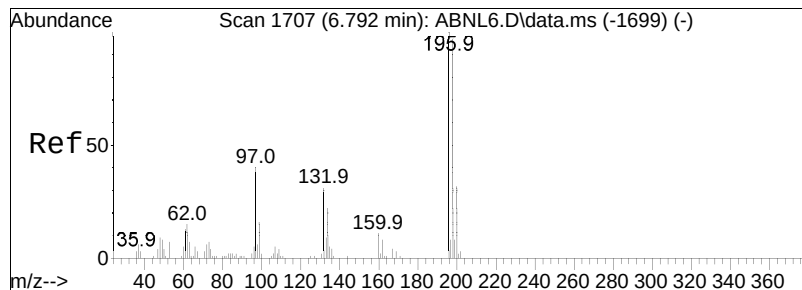




#45
 Hexachlorocyclopentadiene
 Concen: 5.36 ug/ml
 RT: 6.265 min Scan# 1650
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

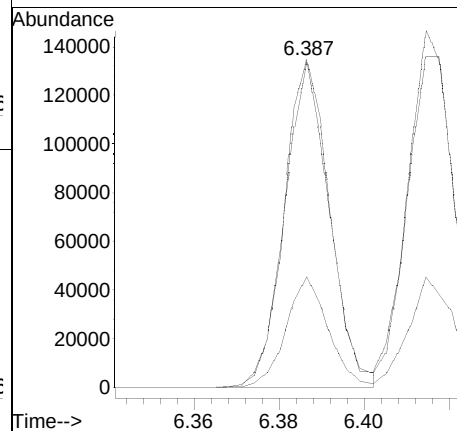
Tgt	Ion:237	Resp:	108755
Ion	Ratio	Lower	Upper
237	100		
235	58.8	49.7	74.5
272	12.0	9.8	14.6

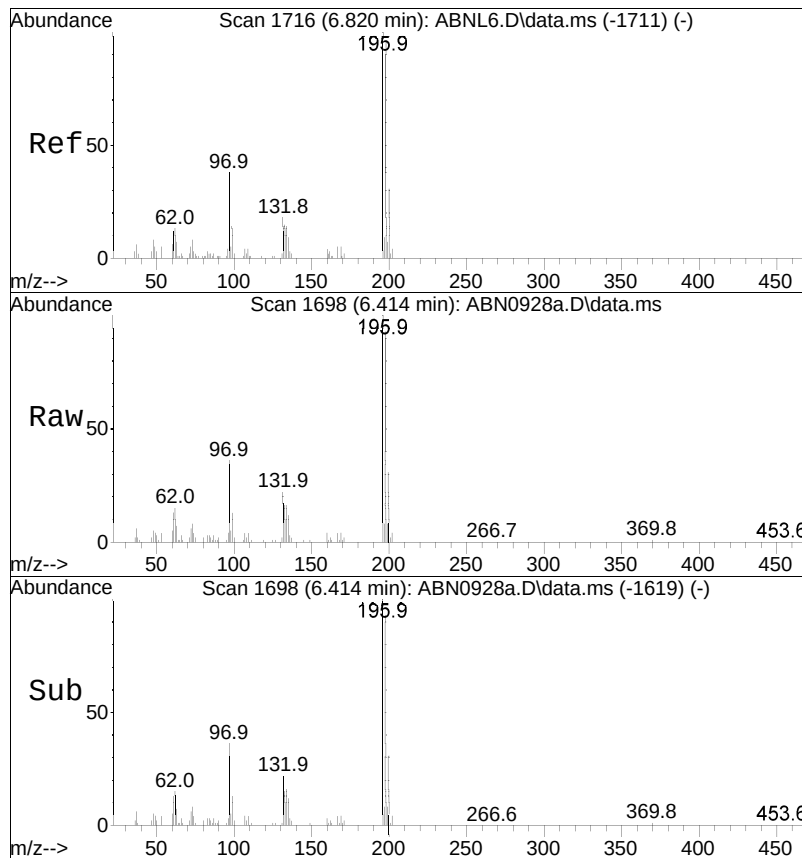




#46
 2,4,6-Trichlorophenol
 Concen: 5.39 ug/ml
 RT: 6.386 min Scan# 1689
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

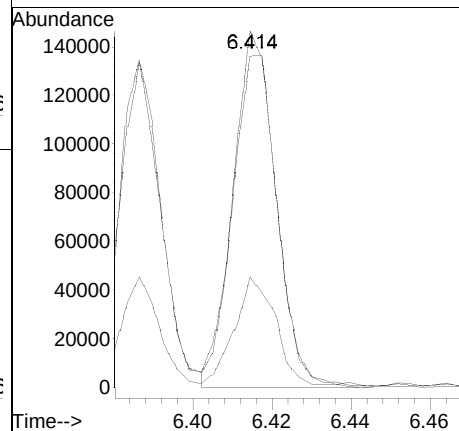
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	100416		
198	97.4		77.5	116.3
200	31.4		23.8	35.6

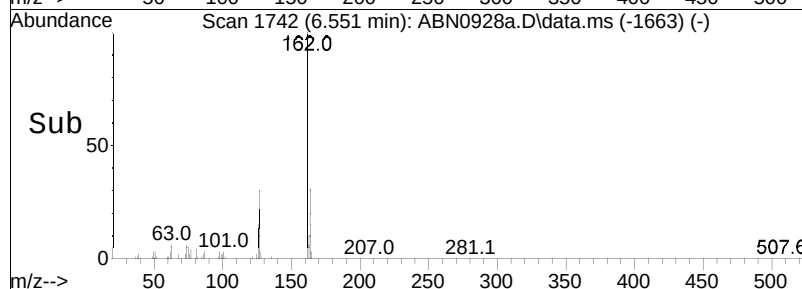
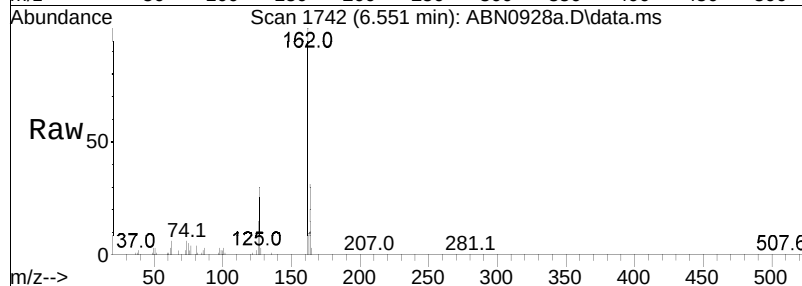
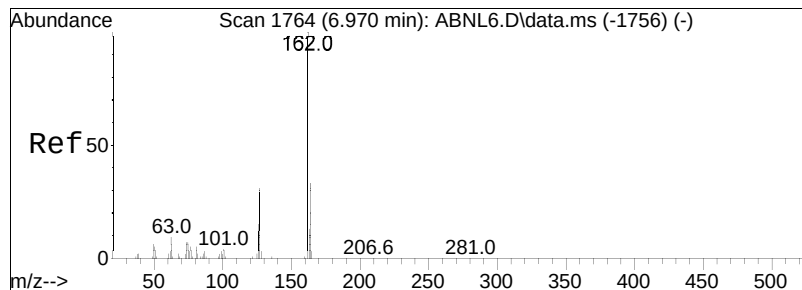




#47
 2,4,5-Trichlorophenol
 Concen: 5.38 ug/ml
 RT: 6.414 min Scan# 1698
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

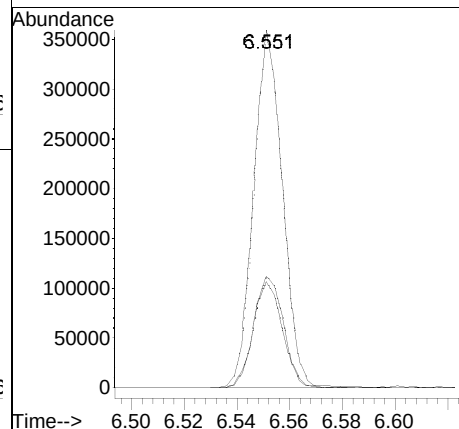
Tgt	Ion:196	Resp:	110727
Ion	Ratio	Lower	Upper
196	100		
200	30.5	25.4	38.0
198	96.0	78.0	117.0

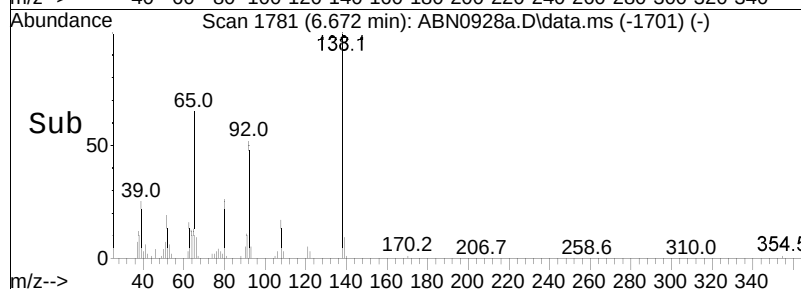
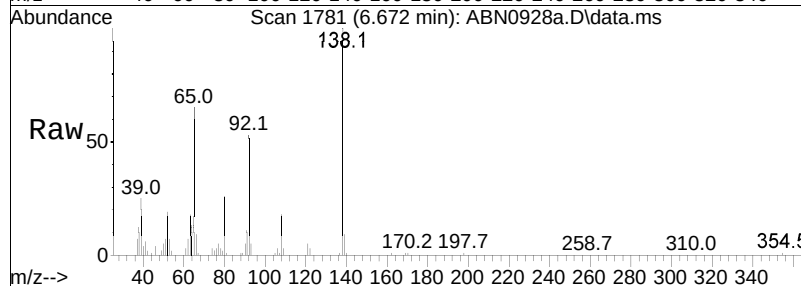
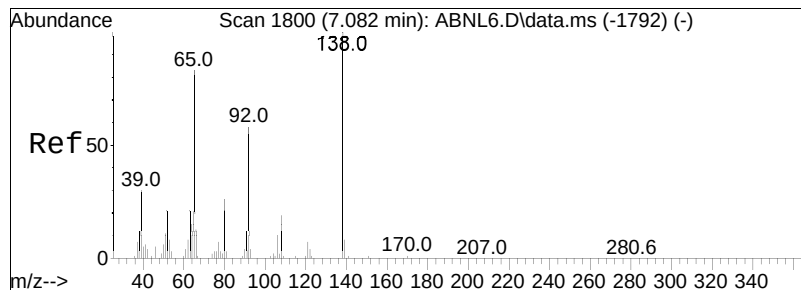




#49
 2-Chloronaphthalene
 Concen: 5.04 ug/ml
 RT: 6.551 min Scan# 1742
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

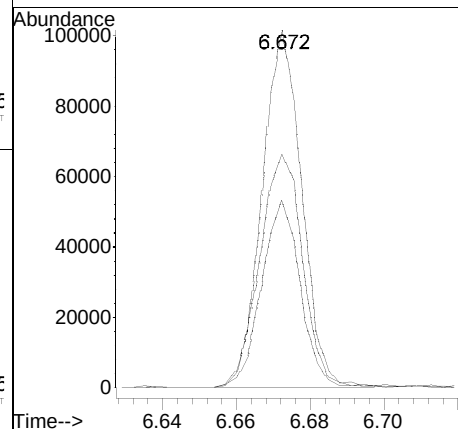
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	271487		
127	30.2		32.2	48.4#
164	32.5		25.7	38.5

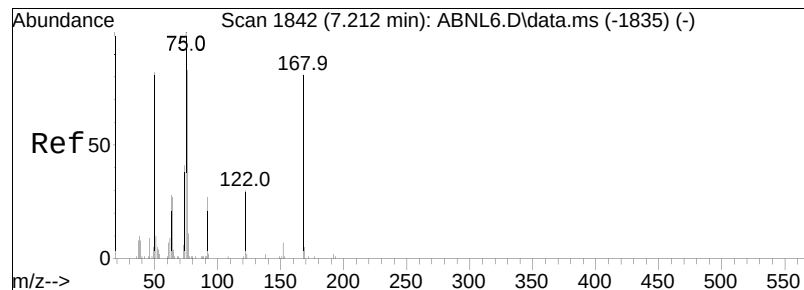




#50
 2-Nitroaniline
 Concen: 5.55 ug/ml
 RT: 6.672 min Scan# 1781
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

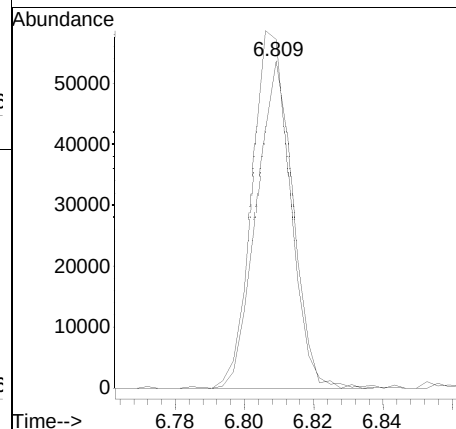
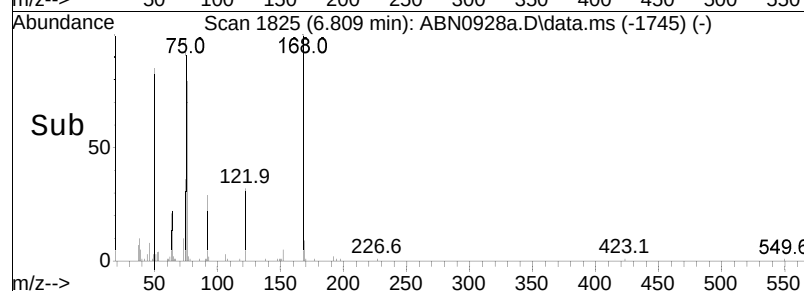
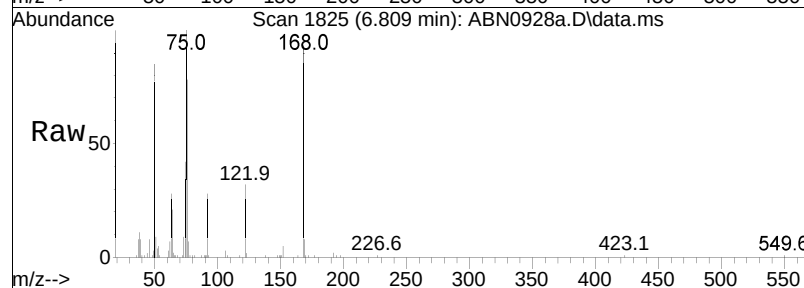
Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.3	53.5	80.3#
65	70.7	86.3	129.5#

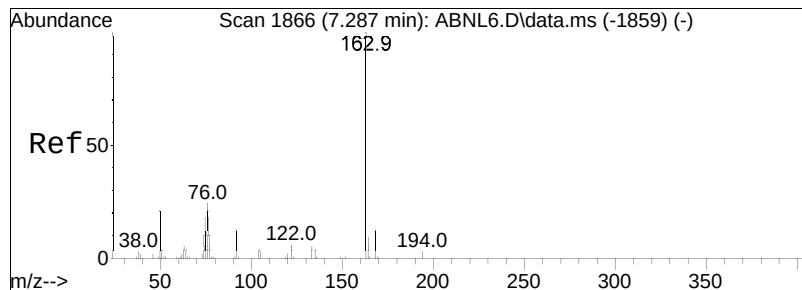




#51
 1,4-Dinitrobenzene
 Concen: 5.77 ug/ml
 RT: 6.809 min Scan# 1825
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

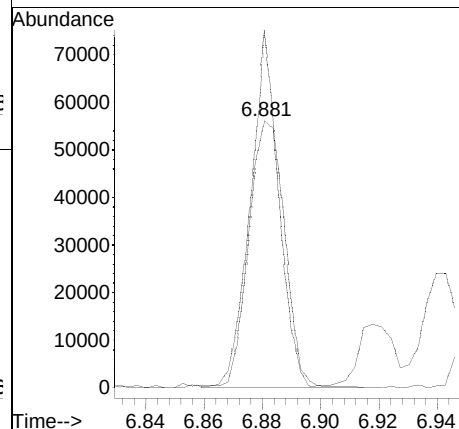
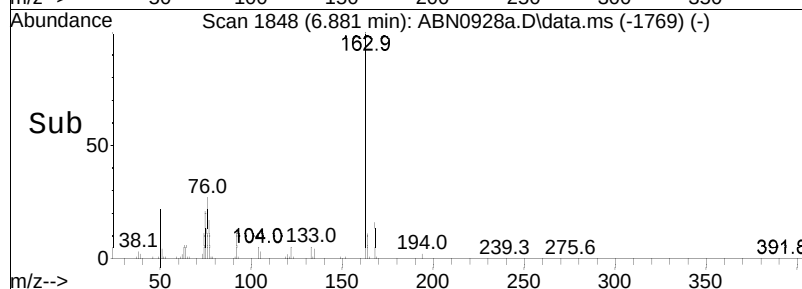
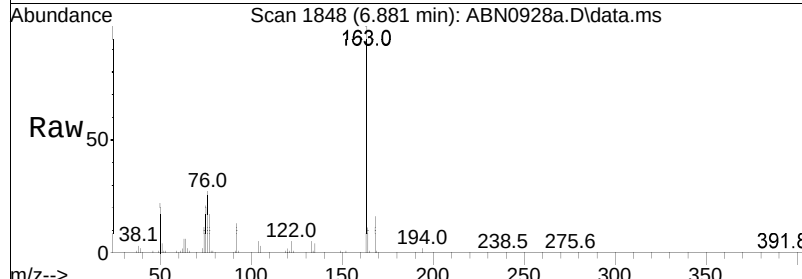
Tgt Ion:168 Resp: 39539
 Ion Ratio Lower Upper
 168 100
 75 113.2 121.8 182.8#

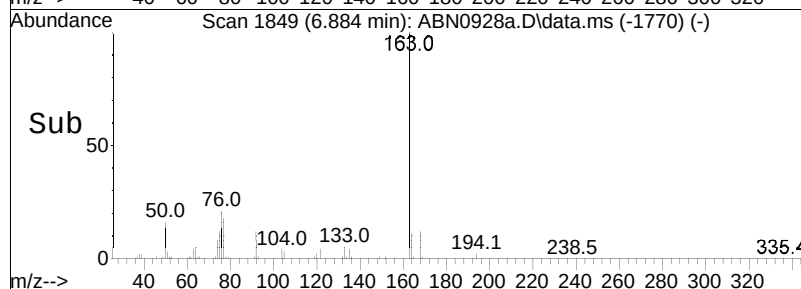
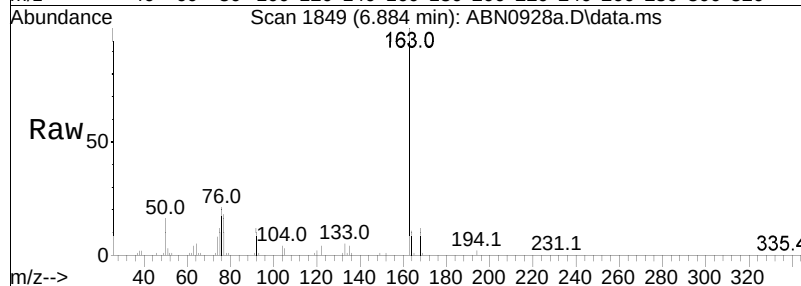
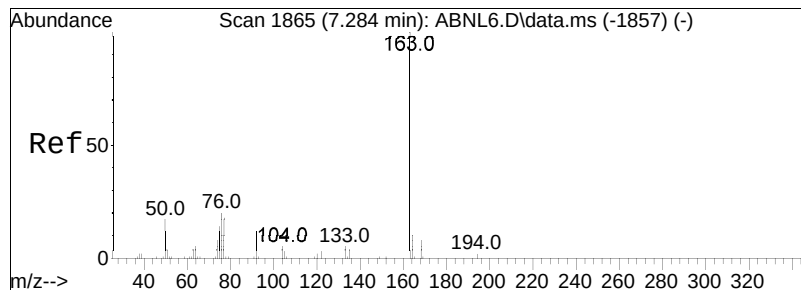




#52
 1,3-Dinitrobenzene
 Concen: 5.74 ug/ml
 RT: 6.881 min Scan# 1848
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

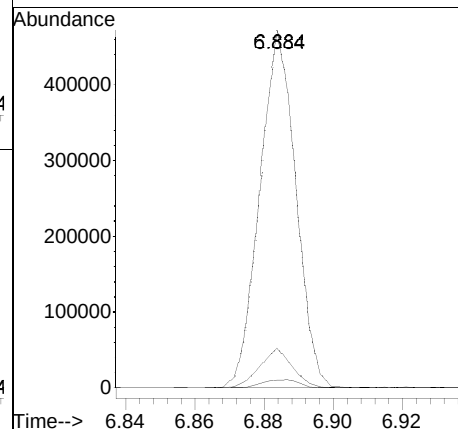
Tgt Ion	Ratio	Lower	Upper
168	100		
75	117.7	22.7	34.1#

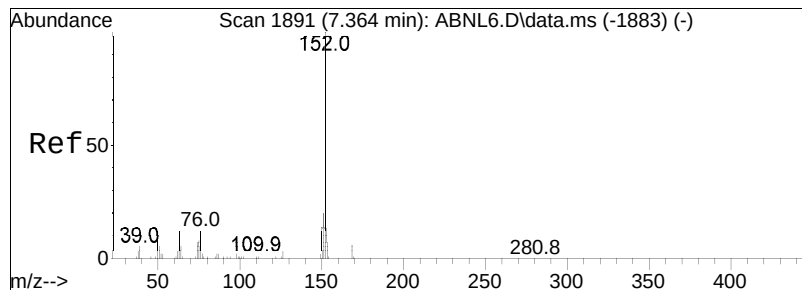




#53
 Dimethyl phthalate
 Concen: 5.01 ug/ml
 RT: 6.884 min Scan# 1849
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.5	3.5	5.3#
164	10.4	7.9	11.9





#54

Acenaphthylene

Concen: 5.10 ug/ml

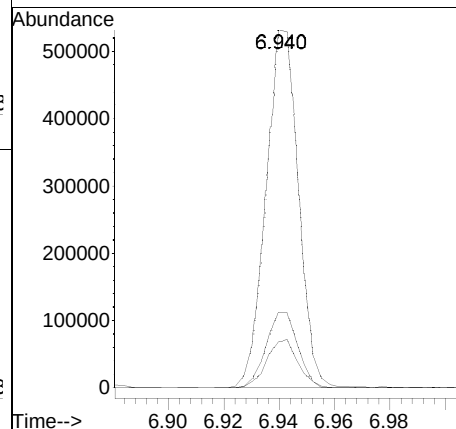
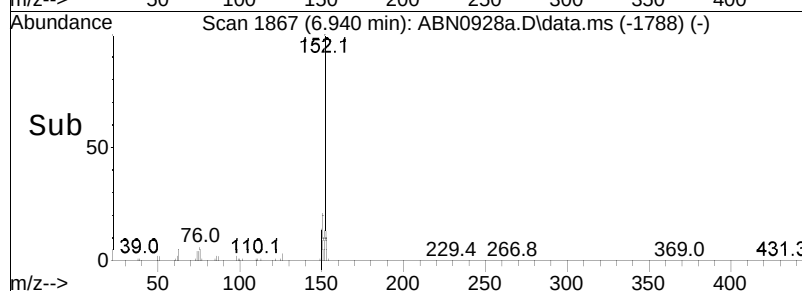
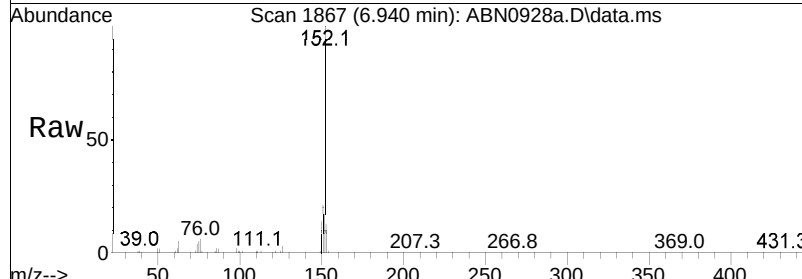
RT: 6.940 min Scan# 1867

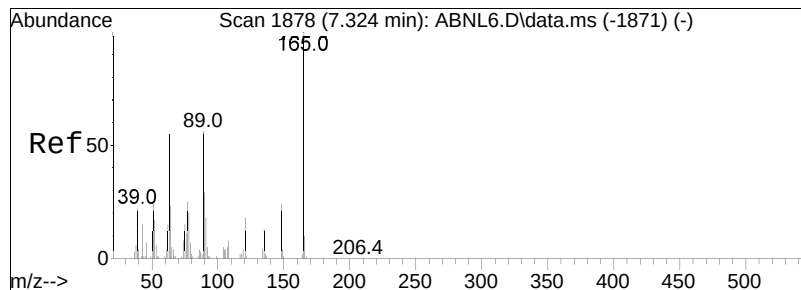
Delta R.T. -0.003 min

Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm

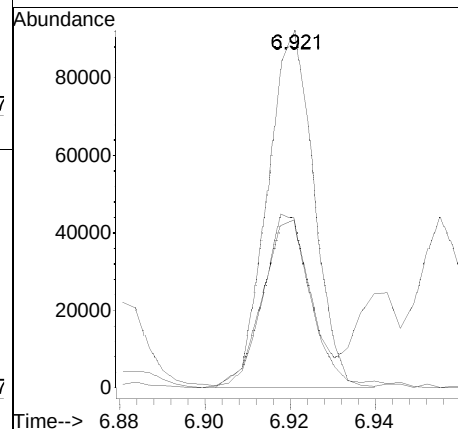
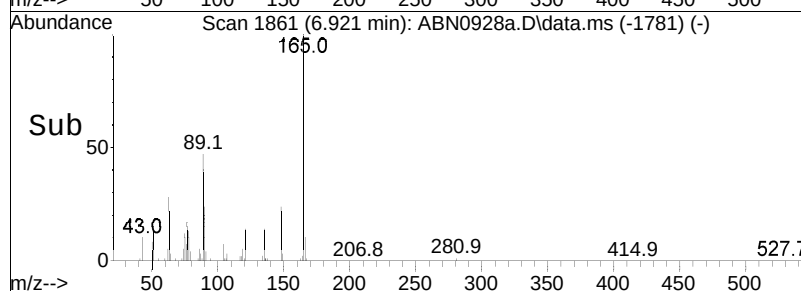
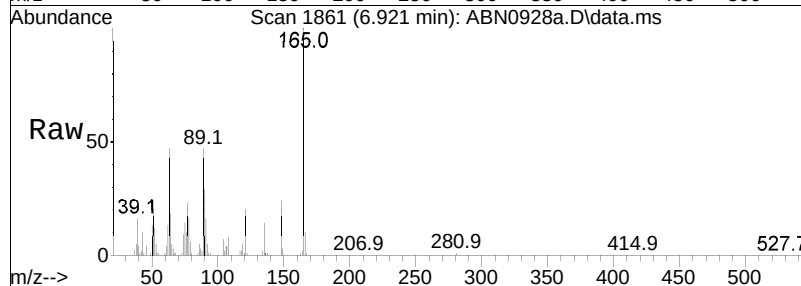
Tgt Ion:	152	Resp:	428963
Ion Ratio	Lower	Upper	
152	100		
151	20.9	15.8	23.6
153	13.1	10.5	15.7

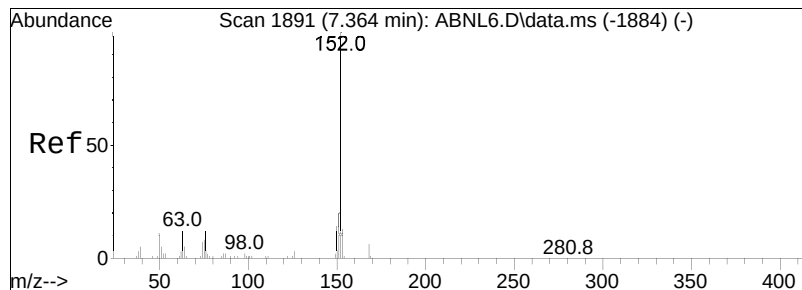




#55
 2,6-Dinitrotoluene
 Concen: 5.28 ug/ml
 RT: 6.921 min Scan# 1861
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

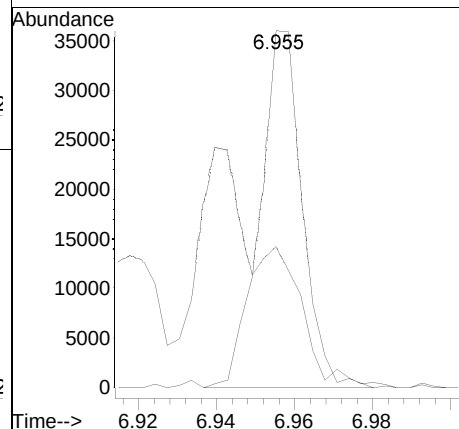
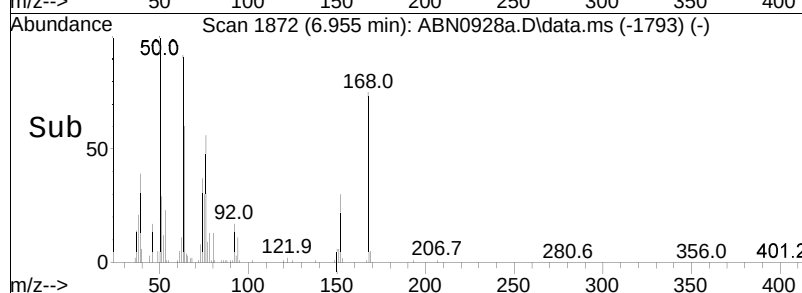
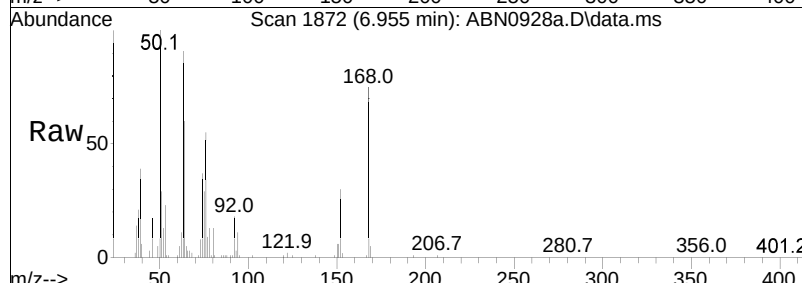
Tgt Ion	Ratio	Lower	Upper
165	100		
89	50.4	54.2	81.2#
63	49.6	64.2	96.2#

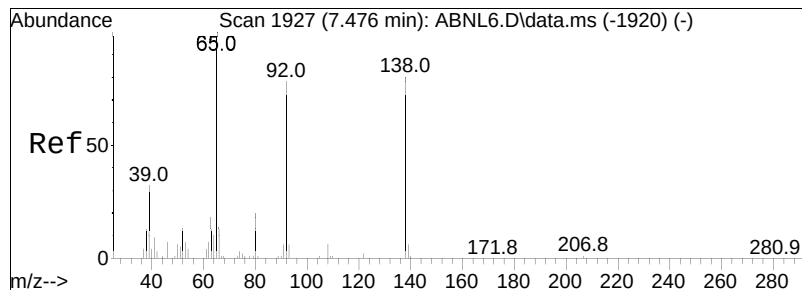




#56
 1,2-Dinitrobenzene
 Concen: 5.53 ug/ml M3
 RT: 6.955 min Scan# 1872
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

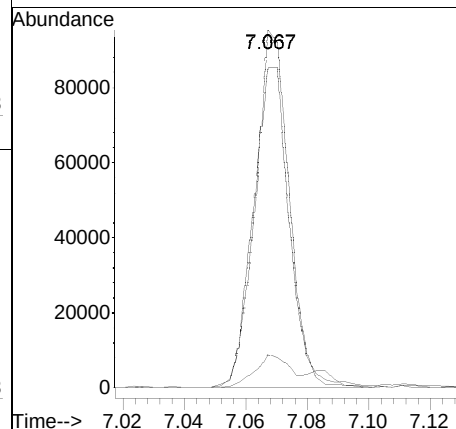
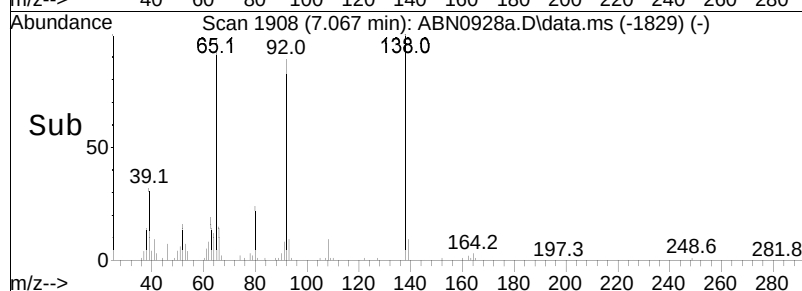
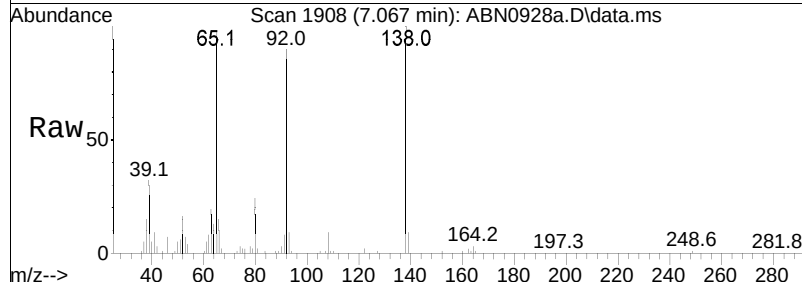
Tgt Ion	Ratio	Lower	Upper
168	100		
75	4.5	30.9	46.3#

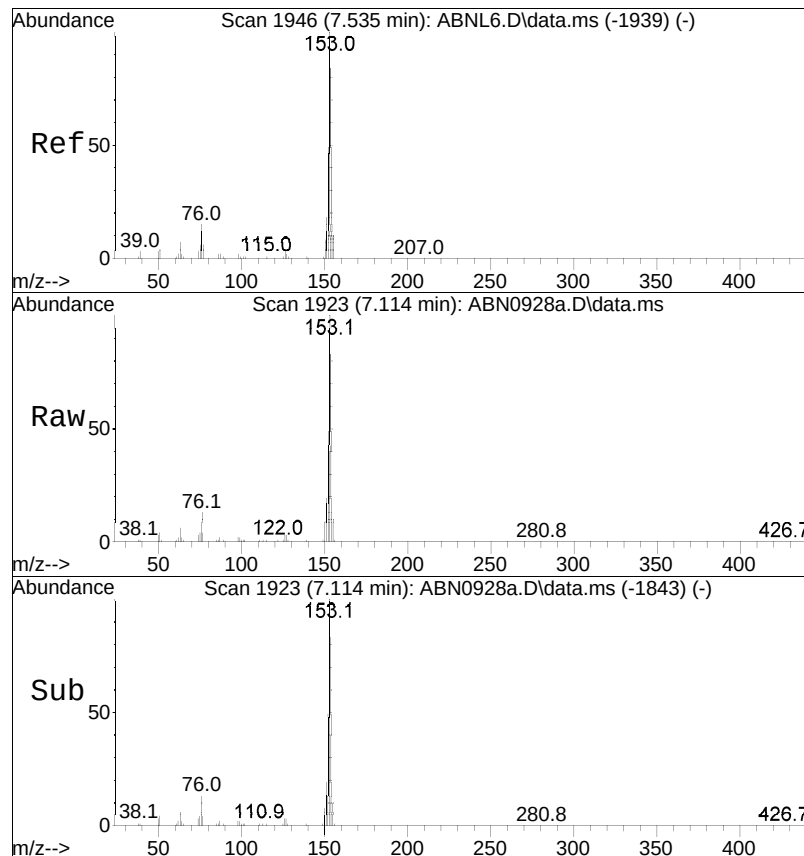




#66
 3-Nitroaniline
 Concen: 5.43 ug/ml
 RT: 7.067 min Scan# 1908
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

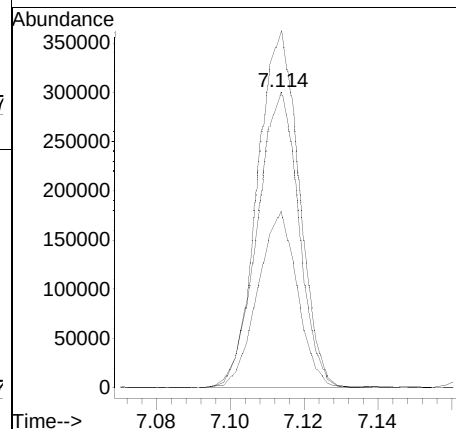
Tgt Ion:	138	Resp:	72368
Ion Ratio	Lower	Upper	
138	100		
92	95.7	93.4	140.2
108	10.2	9.5	14.3

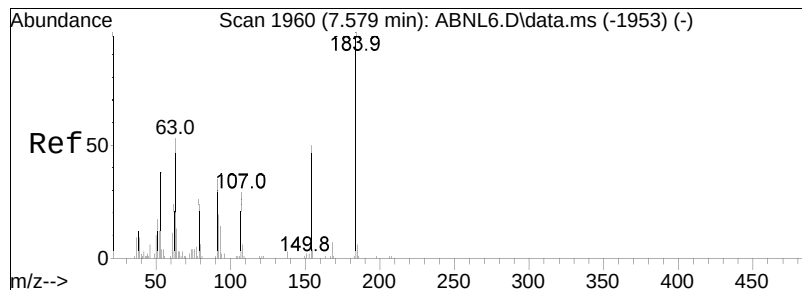




#67
Acenaphthene
Concen: 4.66 ug/ml
RT: 7.114 min Scan# 1923
Delta R.T. 0.000 min
Lab File: ABN0928a.D
Acq: 28 Sep 2025 6:33 pm

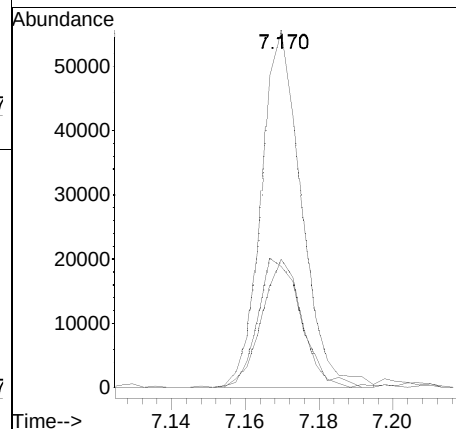
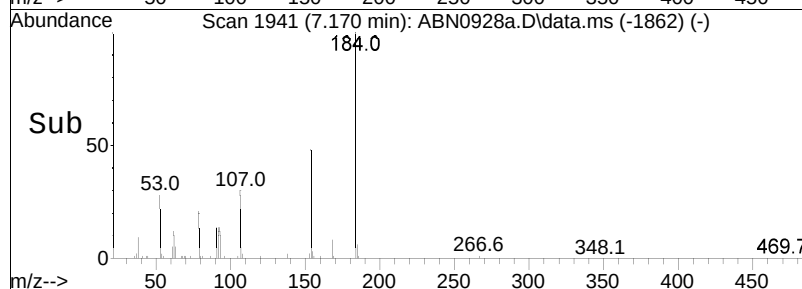
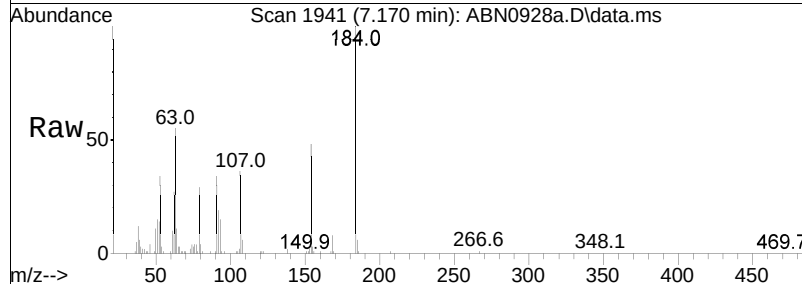
Tgt	Ion:154	Resp:	234550
Ion	Ratio	Lower	Upper
154	100		
153	121.9	85.3	127.9
152	57.9	41.4	62.0

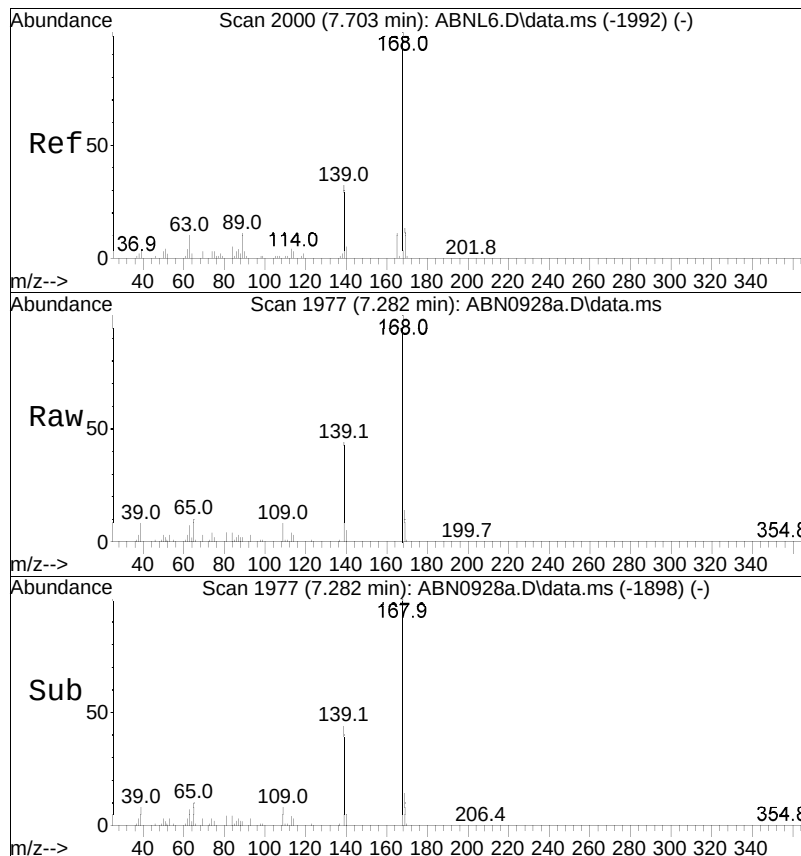




#68
 2,4-Dinitrophenol
 Concen: 5.44 ug/ml
 RT: 7.170 min Scan# 1941
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

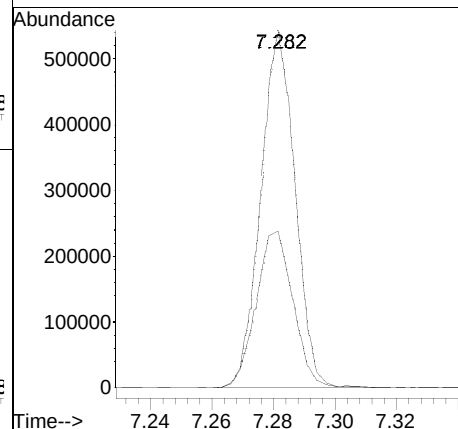
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	41815		
107	35.9		37.7	56.5#
91	39.3		46.3	69.5#

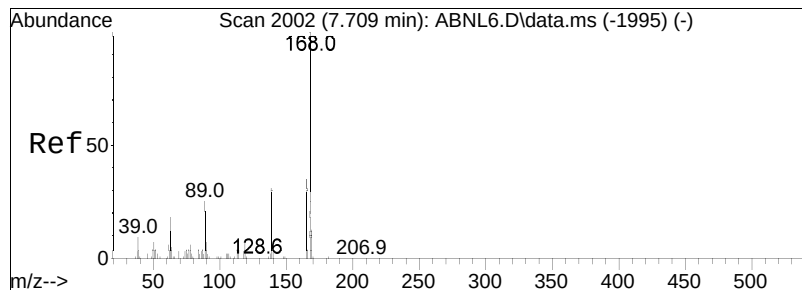




#69
 Dibenzofuran
 Concen: 4.71 ug/ml
 RT: 7.282 min Scan# 1977
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

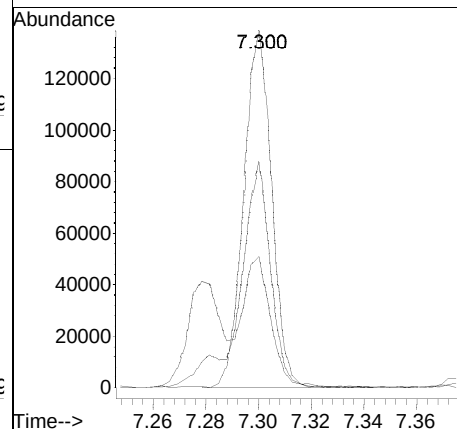
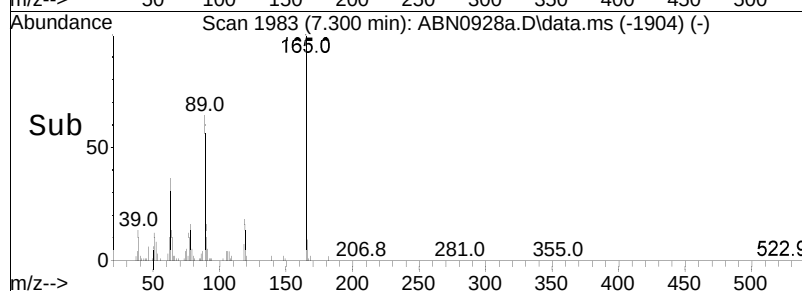
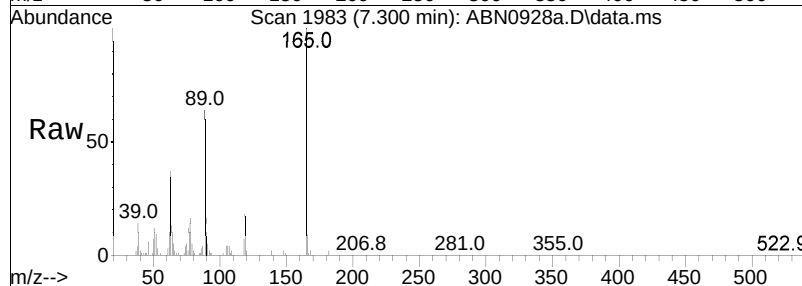
Tgt Ion	Ratio	Lower	Upper
168	100		
139	47.6	31.4	47.2#

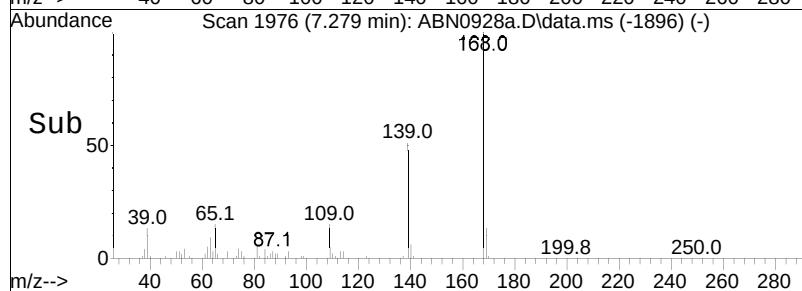
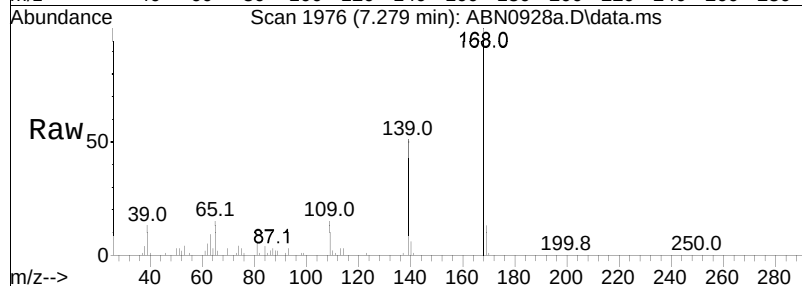
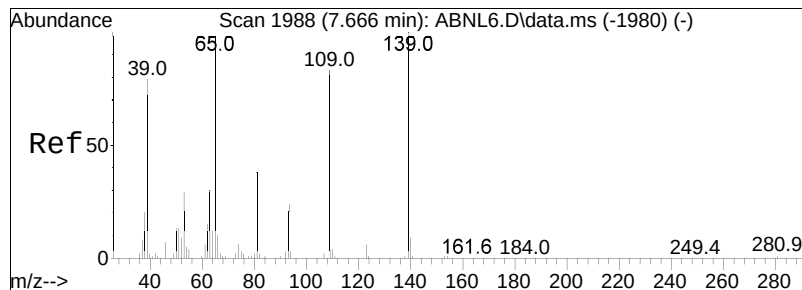




#70
 2,4-Dinitrotoluene
 Concen: 5.66 ug/ml
 RT: 7.300 min Scan# 1983
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

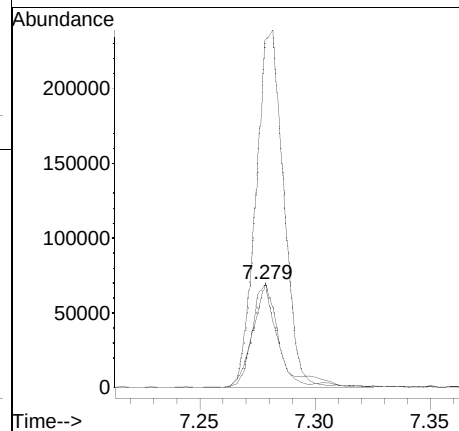
Tgt Ion	Ratio	Lower	Upper
165	100		
89	70.2	72.0	108.0#
63	38.0	52.7	79.1#

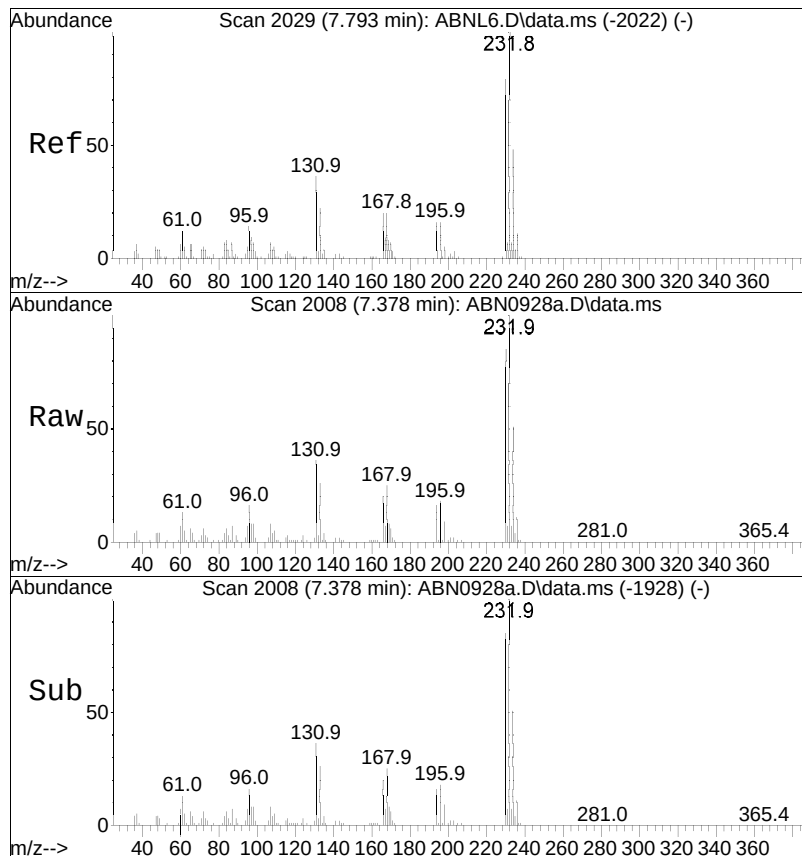




#71
 4-Nitrophenol
 Concen: 5.98 ug/ml
 RT: 7.279 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

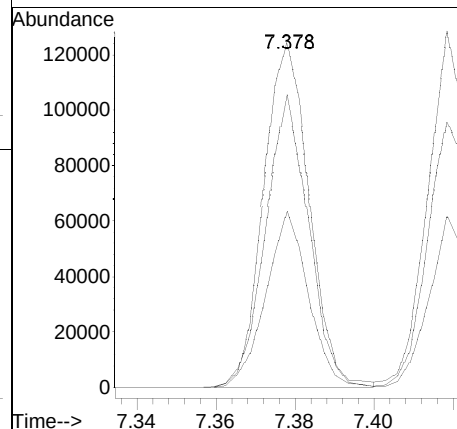
Tgt Ion	Ratio	Lower	Upper
65	100		
109	85.3	47.4	71.2#
139	334.4	76.6	115.0#

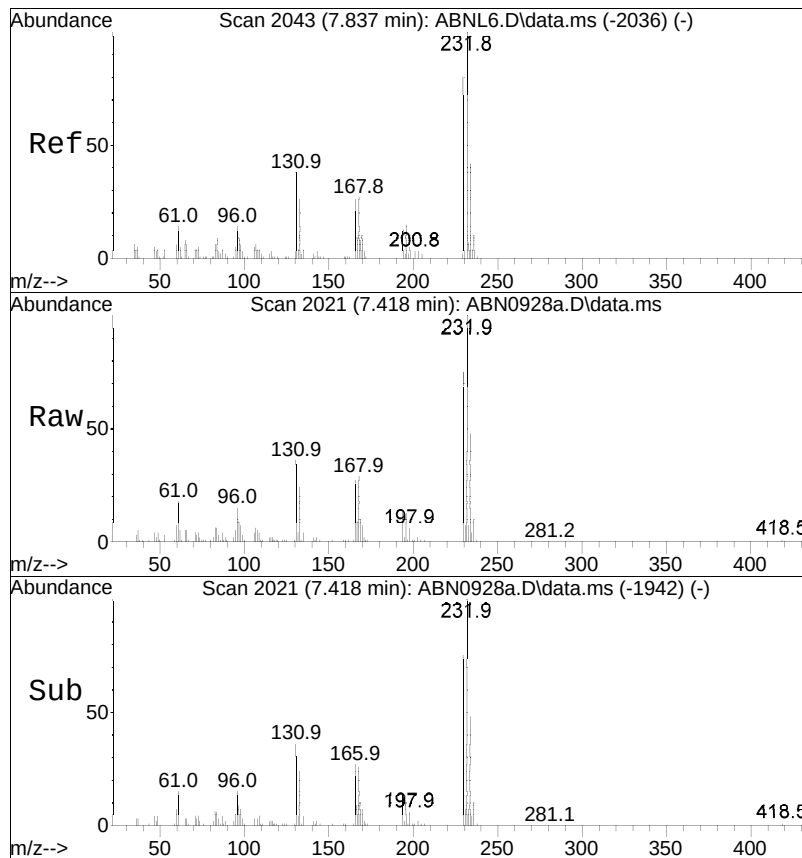




#72
 2,3,5,6-Tetrachlorophenol
 Concen: 5.54 ug/ml
 RT: 7.378 min Scan# 2008
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

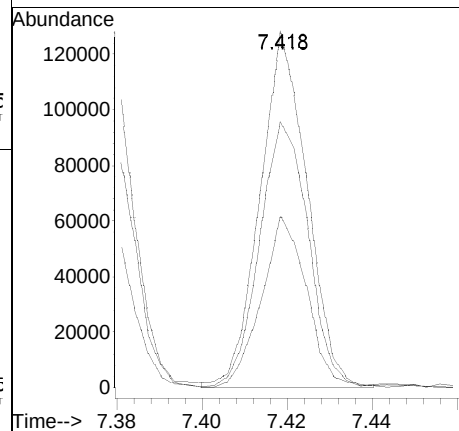
Tgt Ion:	232	Resp:	99631
Ion Ratio	Lower	Upper	
232	100		
230	80.1	64.2	96.4
234	47.8	38.1	57.1

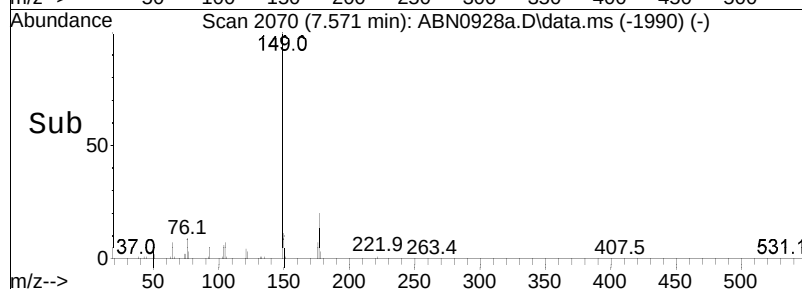
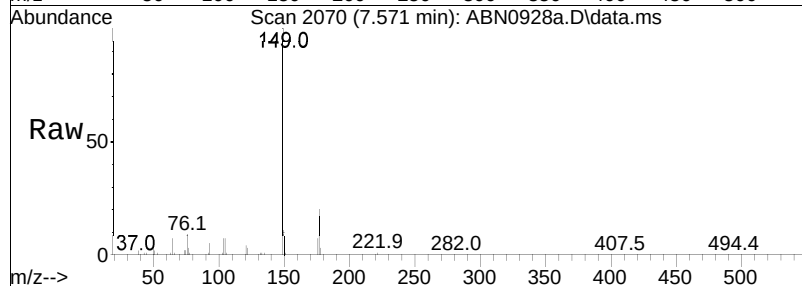
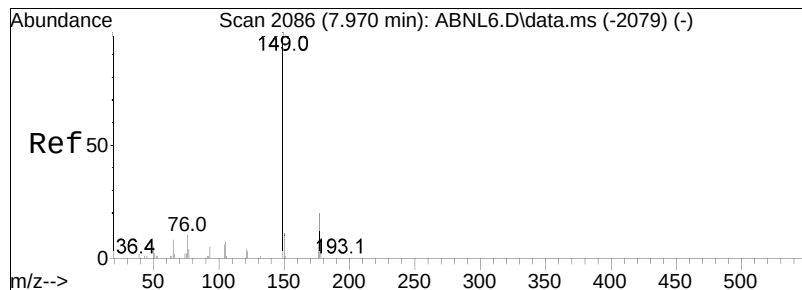




#73
 2,3,4,6-Tetrachlorophenol
 Concen: 5.24 ug/ml
 RT: 7.418 min Scan# 2021
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	98685		
230	76.7		61.8	92.8
234	45.6		36.2	54.2





#74

Diethyl phthalate

Concen: 5.00 ug/ml

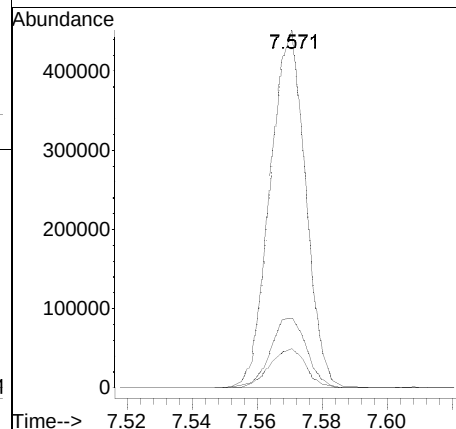
RT: 7.571 min Scan# 2070

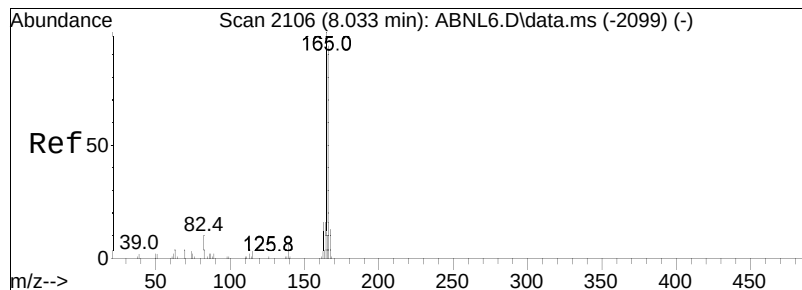
Delta R.T. 0.000 min

Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm

Tgt Ion:	149	Resp:	339114
Ion Ratio	Lower	Upper	
149	100		
177	20.0	16.1	24.1
150	11.3	9.4	14.2





#75

Fluorene

Concen: 4.97 ug/ml

RT: 7.608 min Scan# 2082

Delta R.T. -0.003 min

Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm

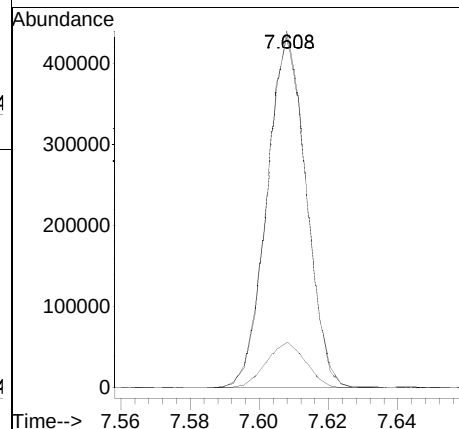
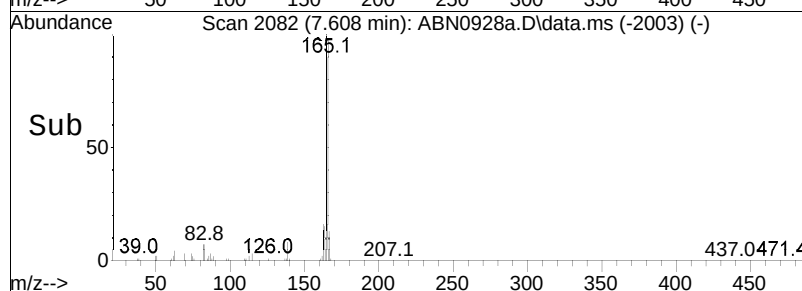
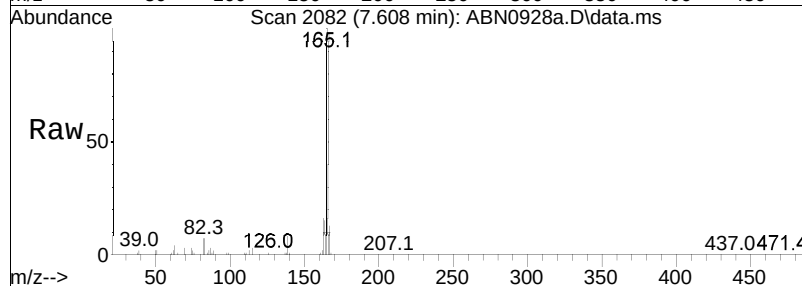
Tgt Ion:166 Resp: 340130

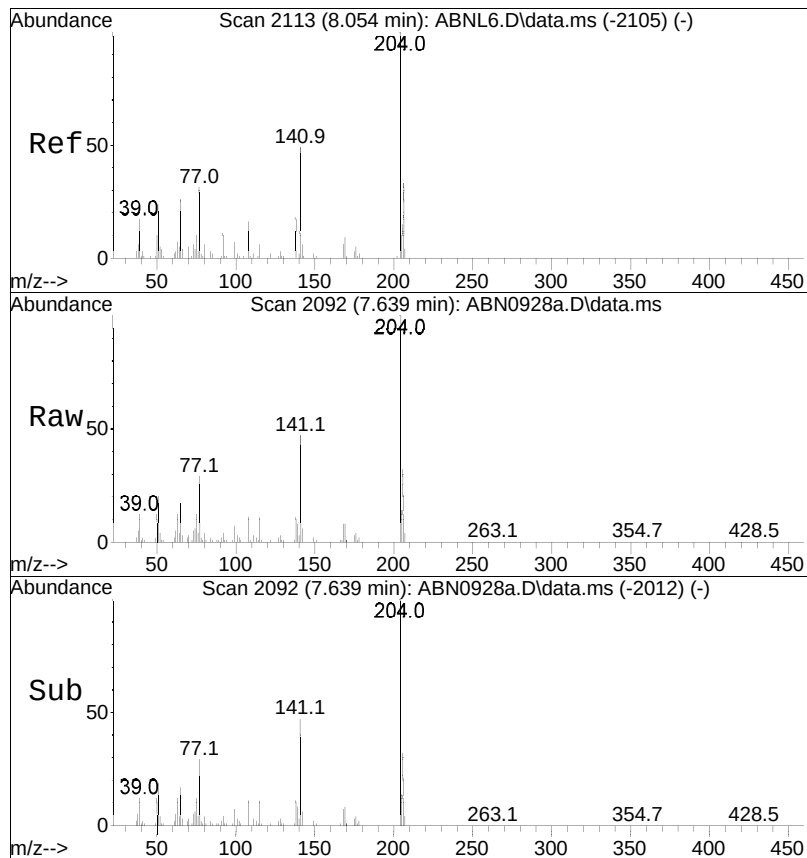
Ion Ratio Lower Upper

166 100

165 101.3 76.2 114.2

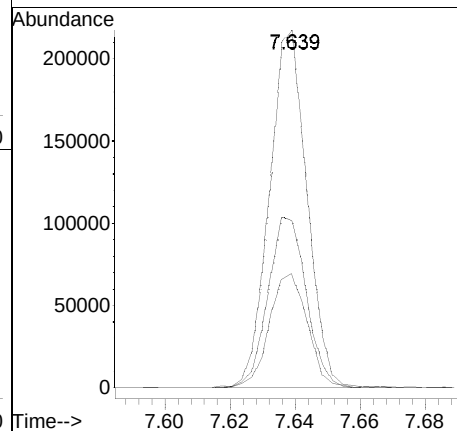
167 13.2 10.6 15.8

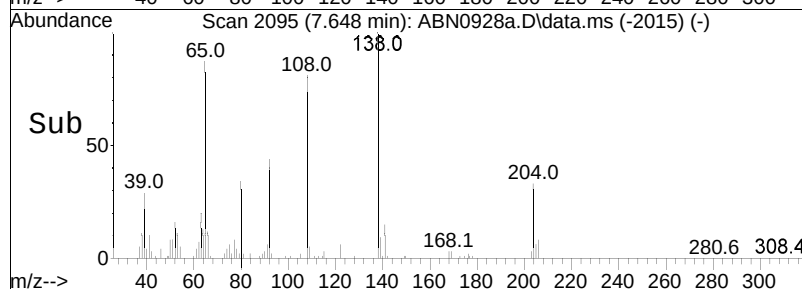
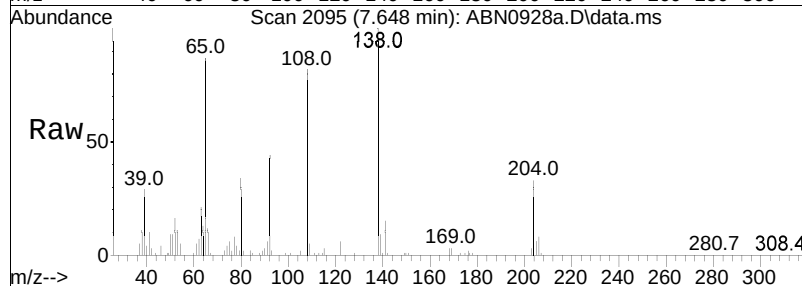
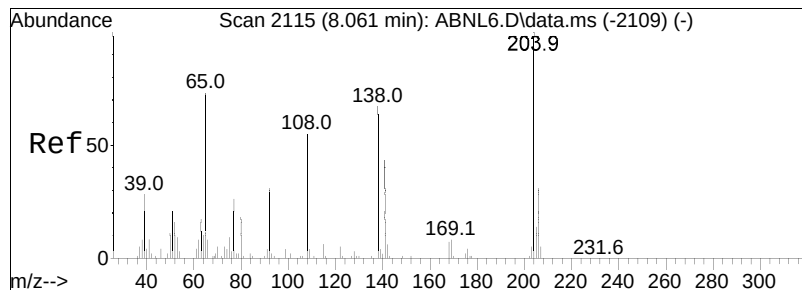




#76
 4-Chlorophenyl phenyl ether
 Concen: 4.67 ug/ml
 RT: 7.639 min Scan# 2092
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

Tgt	Ion:204	Resp:	172605
Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.6
141	48.7	53.6	80.4#





#77

4-Nitroaniline

Concen: 5.67 ug/ml

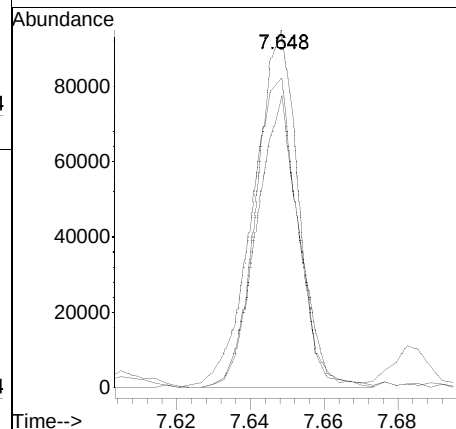
RT: 7.648 min Scan# 2095

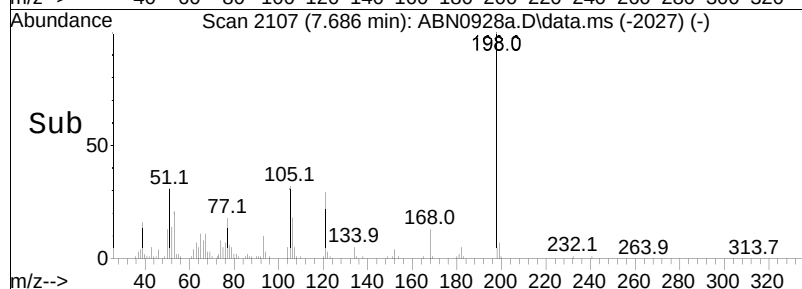
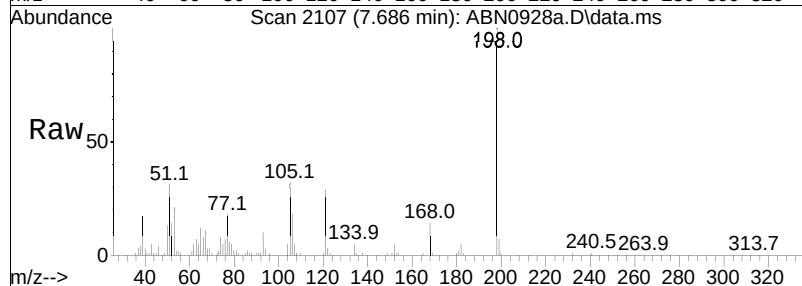
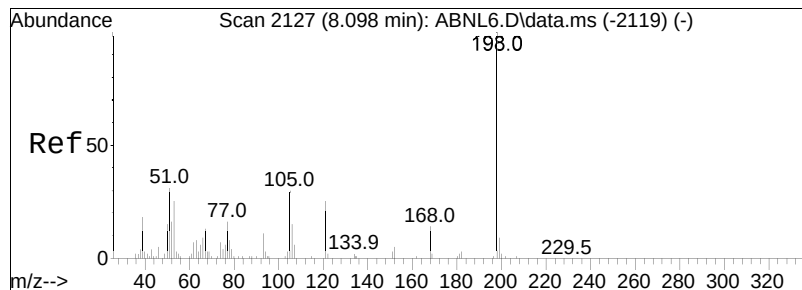
Delta R.T. 0.000 min

Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm

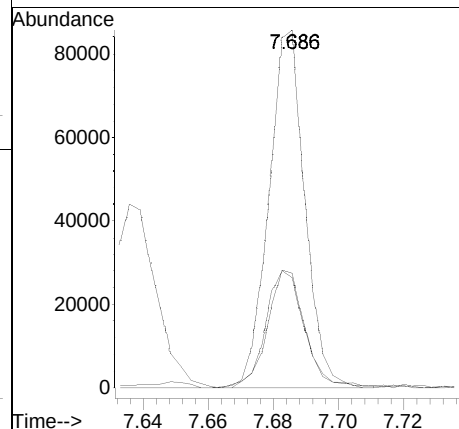
Tgt Ion	Ratio	Lower	Upper
138	100		
108	81.8	52.1	78.1#
65	97.1	115.0	172.6#

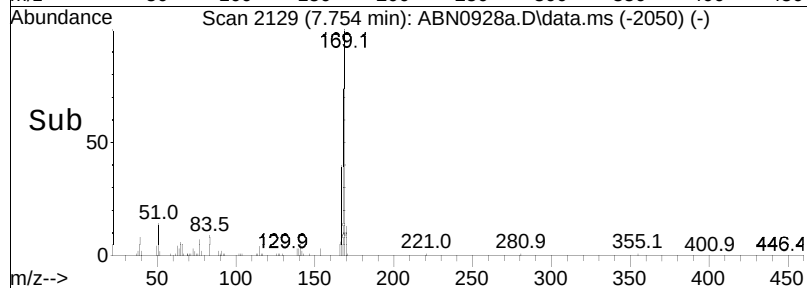
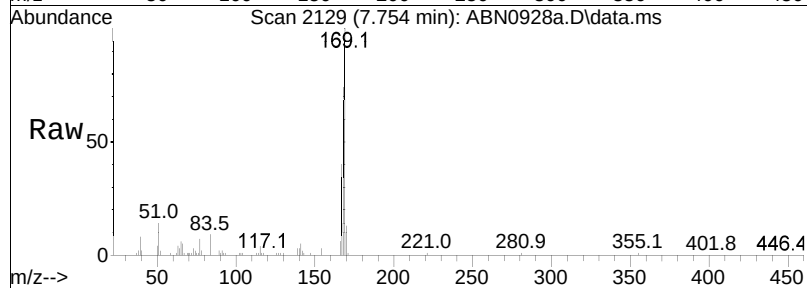
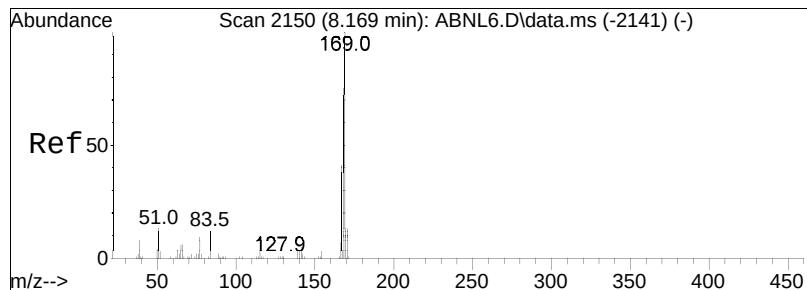




#78
 4,6-Dinitro-o-cresol
 Concen: 5.71 ug/ml
 RT: 7.686 min Scan# 2107
 Delta R.T. 0.000 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

Tgt Ion	Ratio	Lower	Upper
198	100		
51	35.6	76.0	114.0#
105	33.9	45.6	68.4#





#79

NDPA/DPA

Concen: 4.93 ug/ml

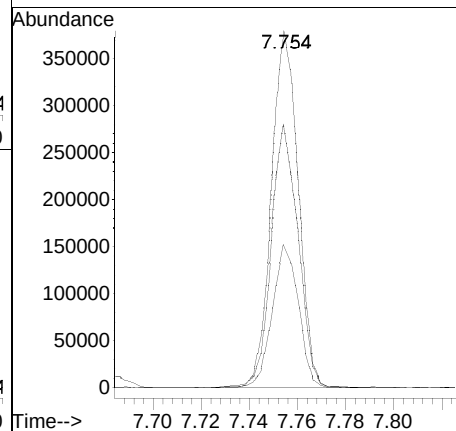
RT: 7.754 min Scan# 2129

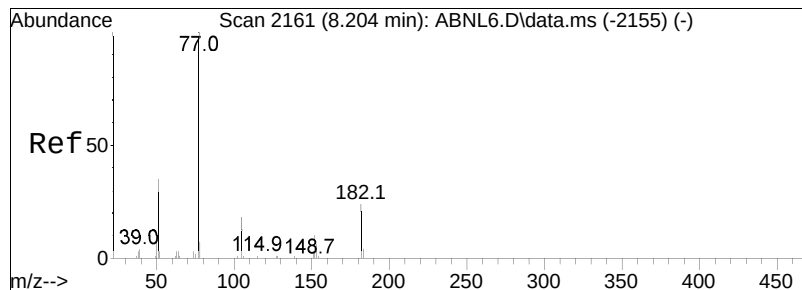
Delta R.T. -0.003 min

Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm

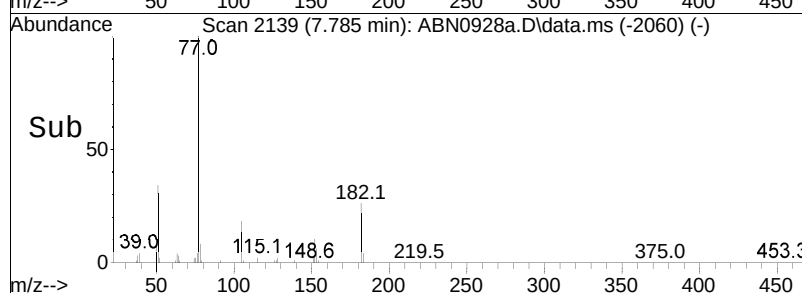
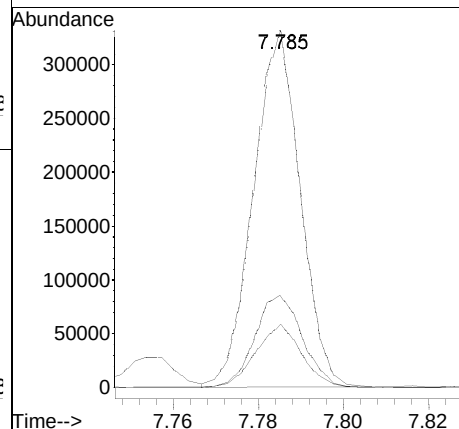
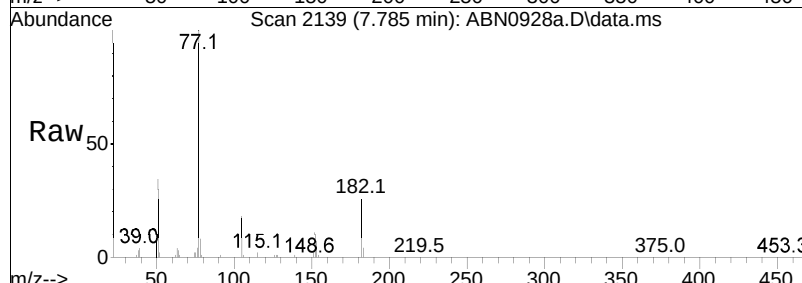
Tgt	Ion	Ratio	Lower	Upper
169	100			
168	74.1	54.0	81.0	
167	39.6	28.6	42.8	

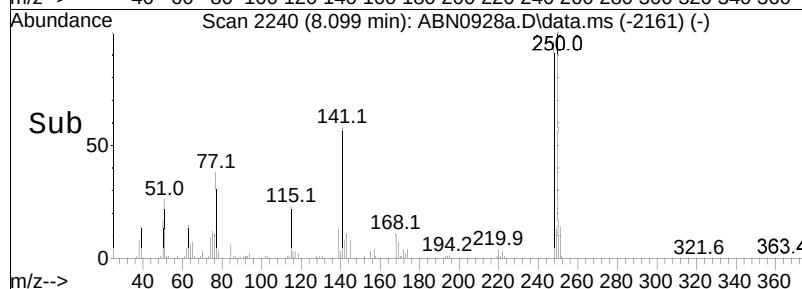
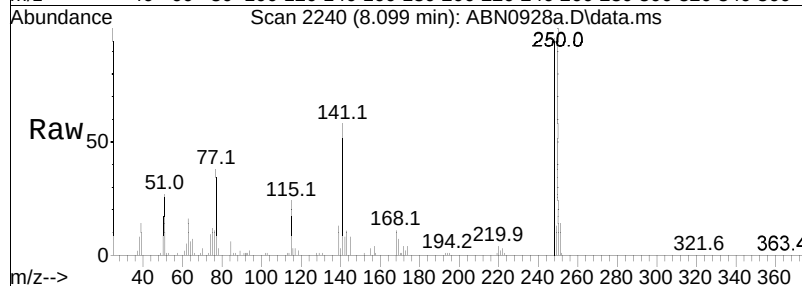
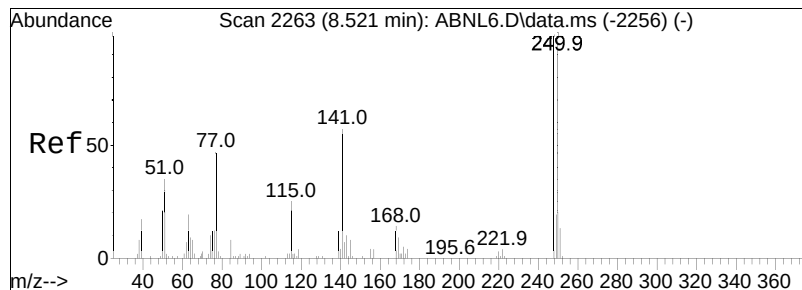




#80
 Azobenzene
 Concen: 4.46 ug/ml
 RT: 7.785 min Scan# 2139
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.6	17.4	26.2#
105	17.8	15.4	23.2





#82

4-Bromophenyl phenyl ether

Concen: 4.69 ug/ml

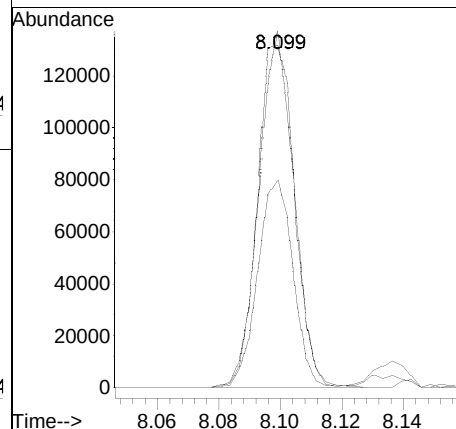
RT: 8.099 min Scan# 2240

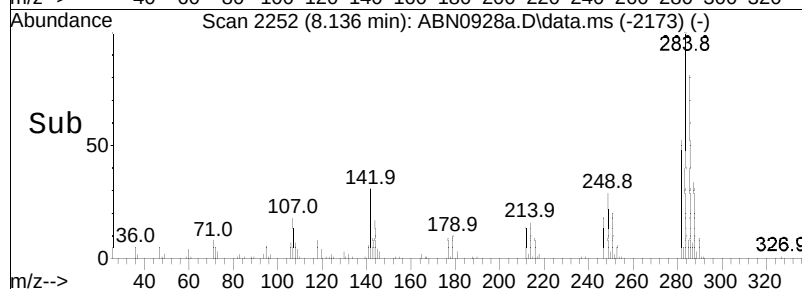
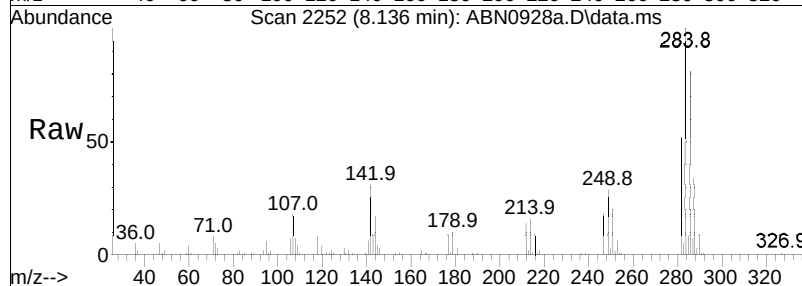
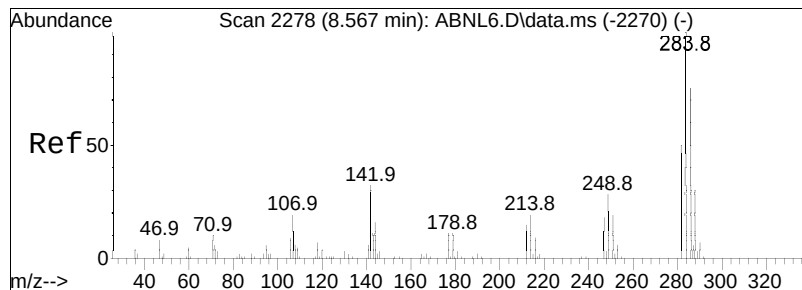
Delta R.T. -0.003 min

Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm

Tgt	Ion:248	Resp:	111237
Ion	Ratio	Lower	Upper
248	100		
141	57.7	76.6	114.8#
250	96.3	77.3	115.9





#83

Hexachlorobenzene

Concen: 5.20 ug/ml

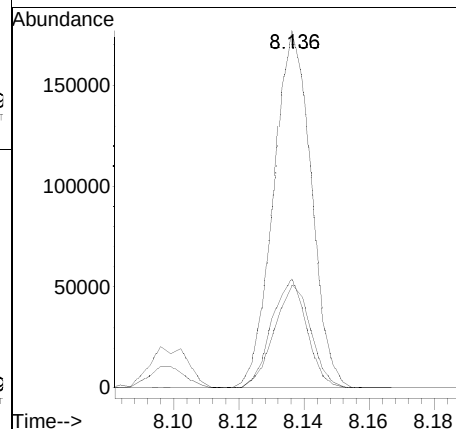
RT: 8.136 min Scan# 2252

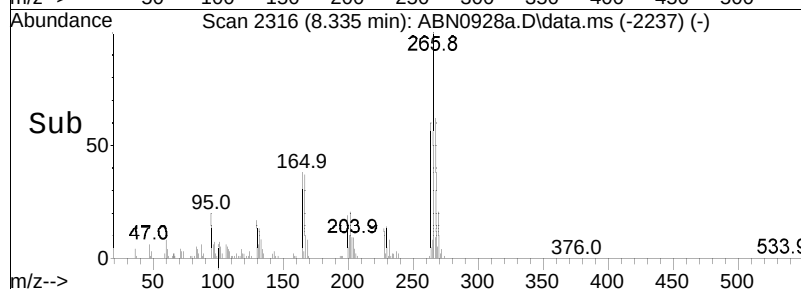
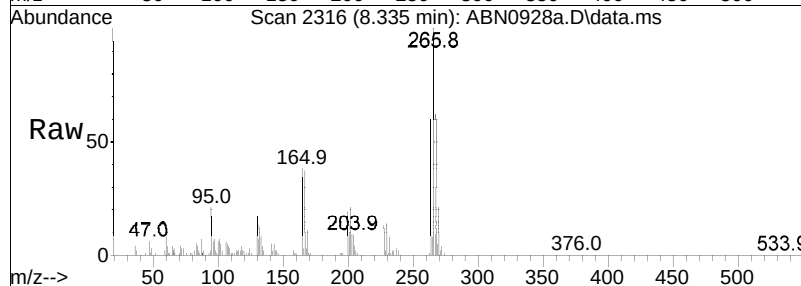
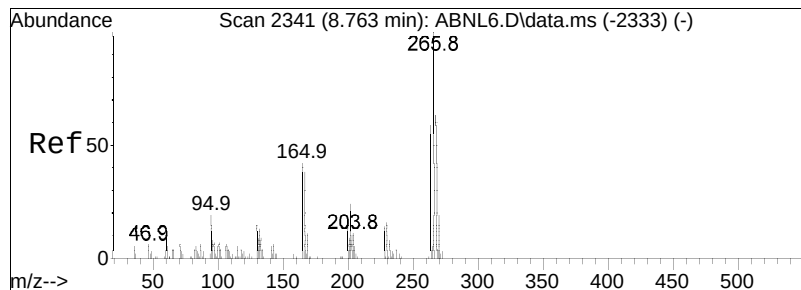
Delta R.T. -0.003 min

Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.7	41.9	62.9#
249	28.2	24.1	36.1





#84

Pentachlorophenol

Concen: 5.92 ug/ml

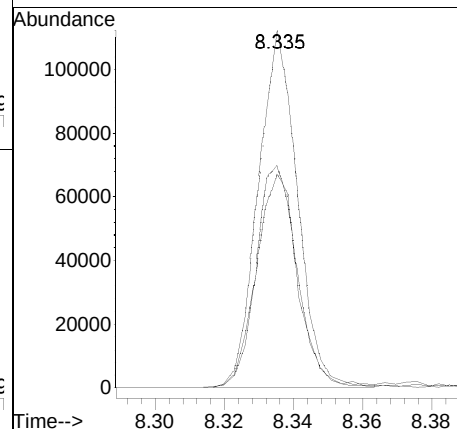
RT: 8.335 min Scan# 2316

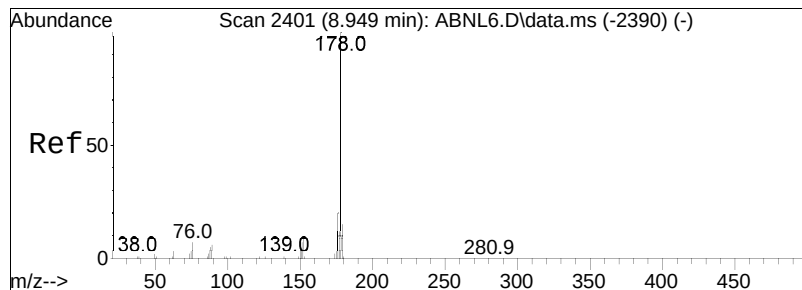
Delta R.T. -0.003 min

Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm

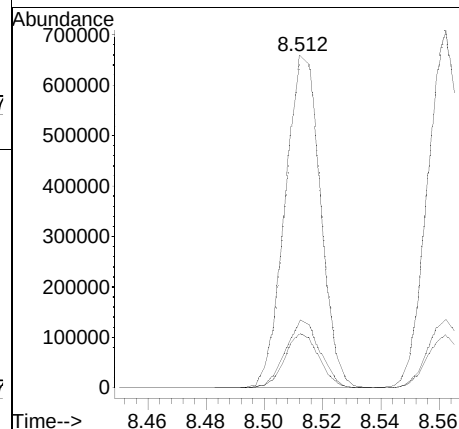
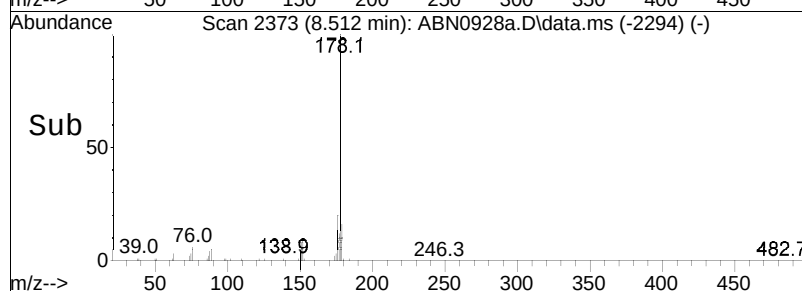
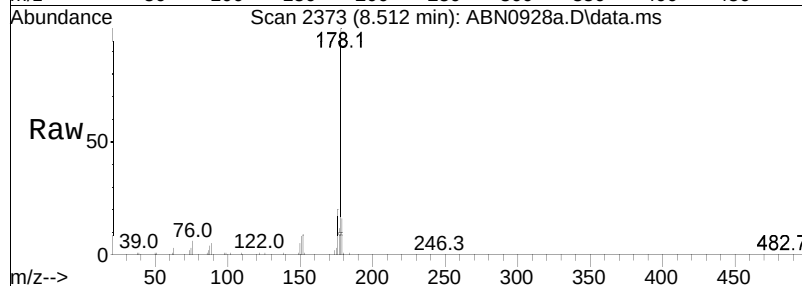
Tgt Ion:	266	Resp:	88169
Ion Ratio	Lower	Upper	
266	100		
264	62.8	49.7	74.5
268	65.1	50.5	75.7

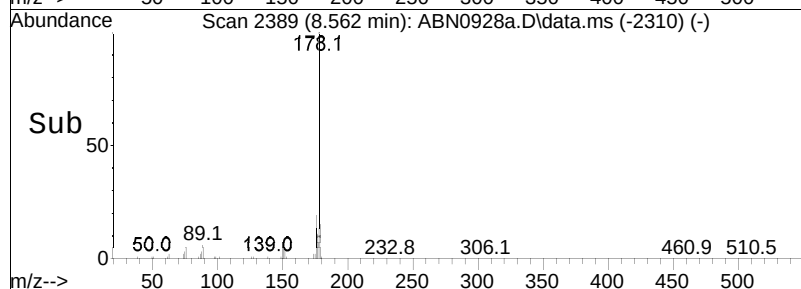
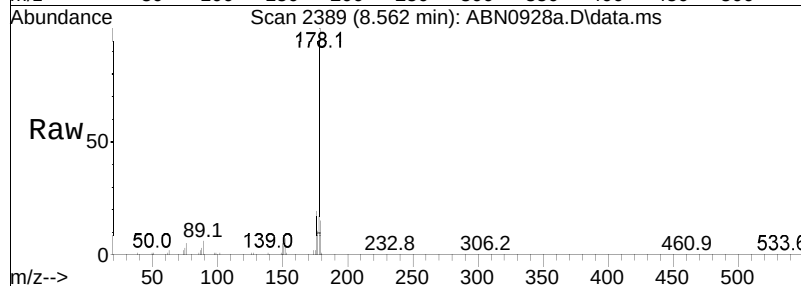
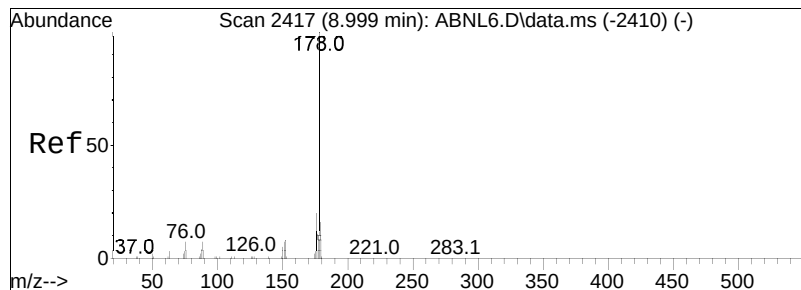




#91
 Phenanthrene
 Concen: 4.58 ug/ml
 RT: 8.512 min Scan# 2373
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

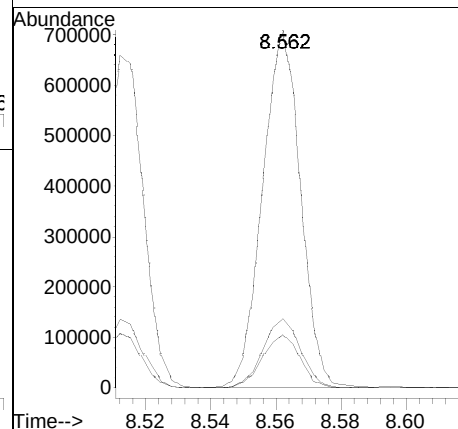
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.2
176	19.8	15.4	23.2

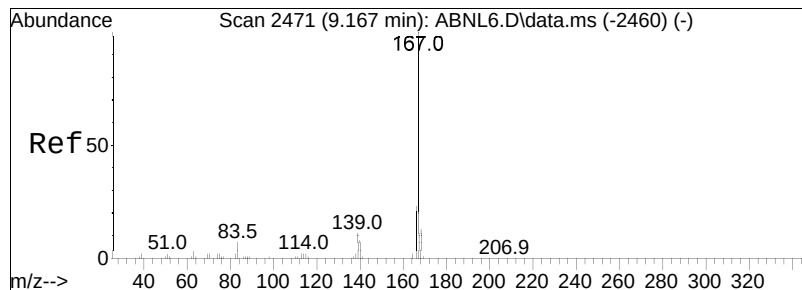




#92
 Anthracene
 Concen: 4.87 ug/ml
 RT: 8.562 min Scan# 2389
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.7	12.0	18.0
176	19.2	14.6	22.0





#93

Carbazole

Concen: 4.90 ug/ml

RT: 8.739 min Scan# 2446

Delta R.T. 0.000 min

Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm

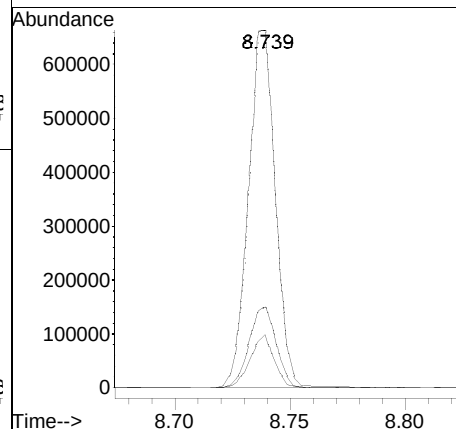
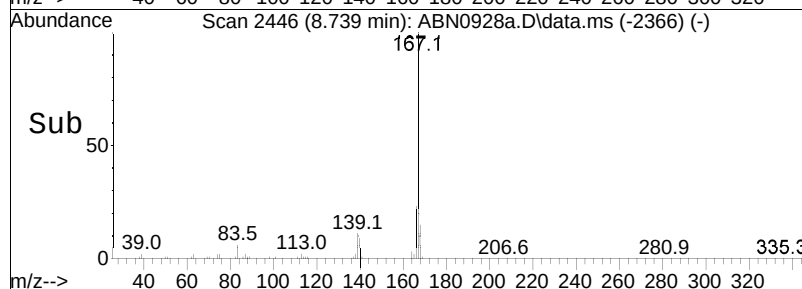
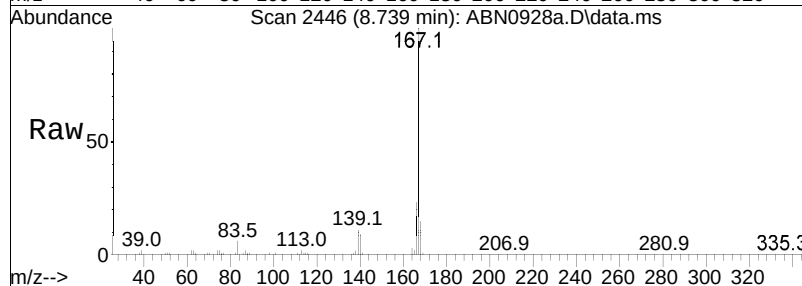
Tgt Ion:167 Resp: 534445

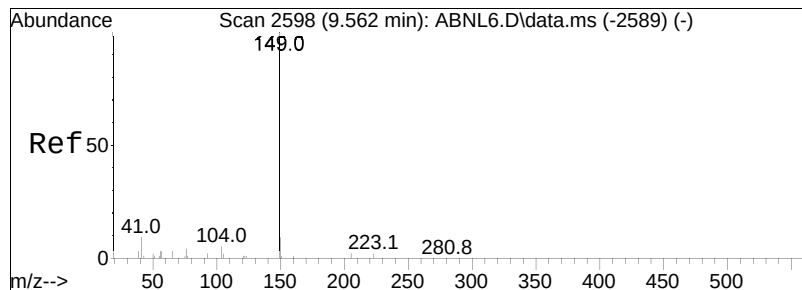
Ion Ratio Lower Upper

167 100

168 13.5 10.6 15.8

166 23.0 17.4 26.0





#94

Di-n-butylphthalate

Concen: 5.15 ug/ml

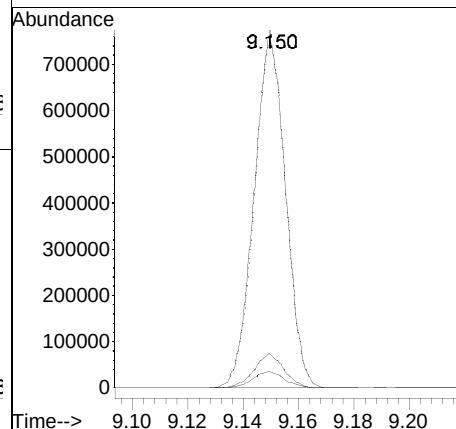
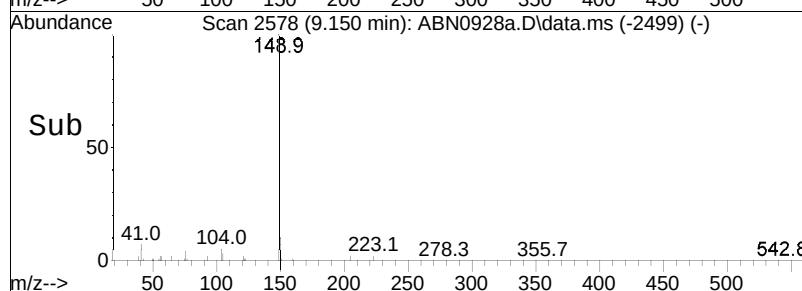
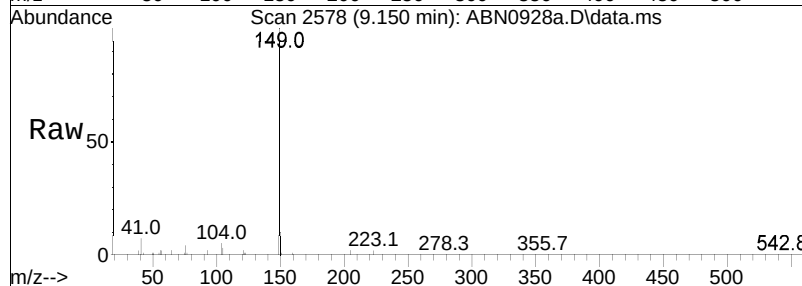
RT: 9.150 min Scan# 2578

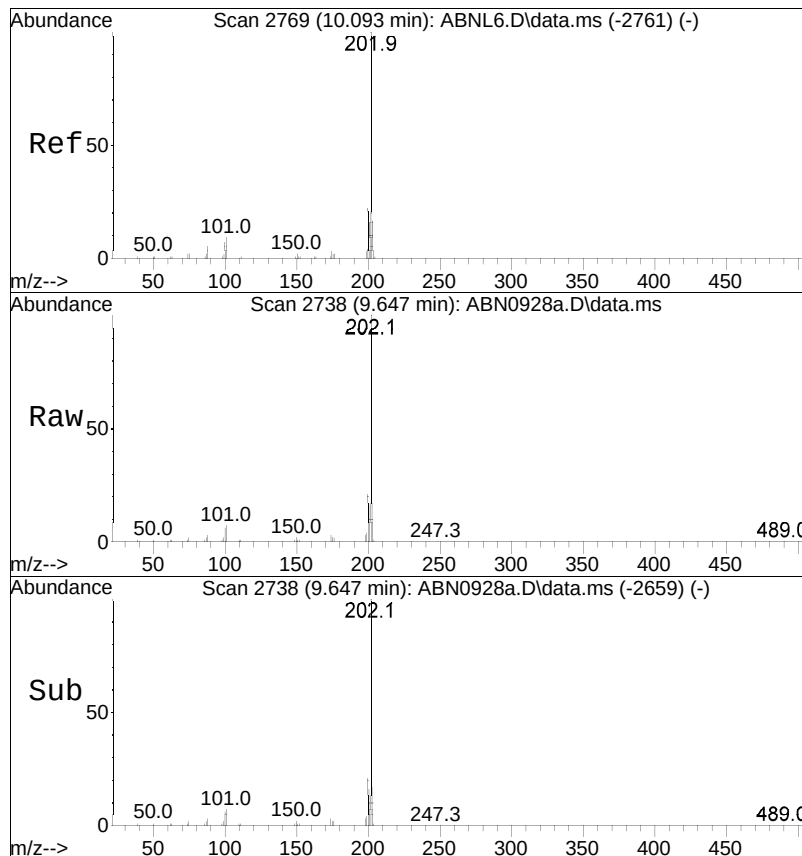
Delta R.T. -0.003 min

Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm

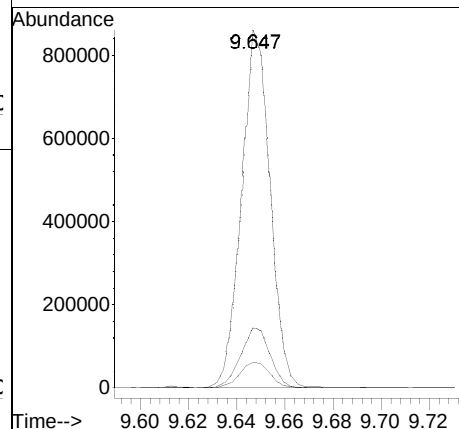
Tgt	Ion	Ratio	Resp	Lower	Upper
149	100		595356		
150	9.2	7.0	10.6		
104	4.7	4.5	6.7		

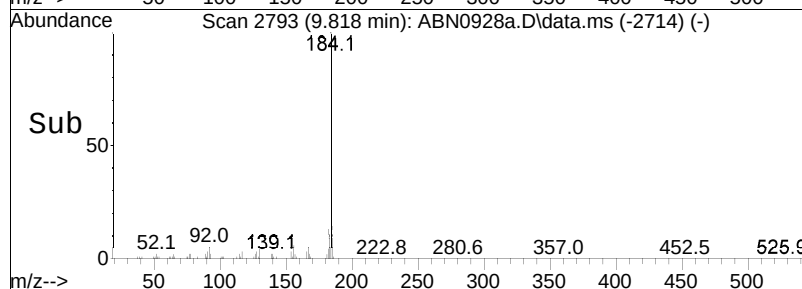
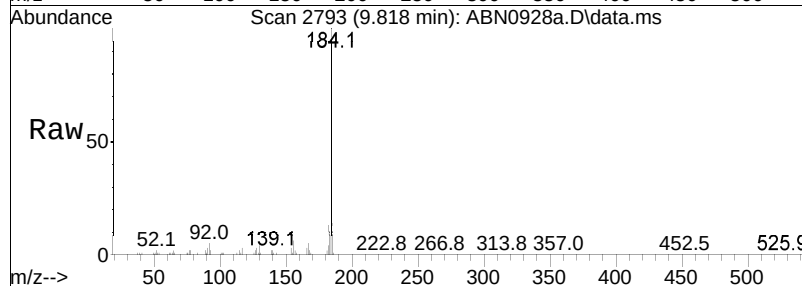
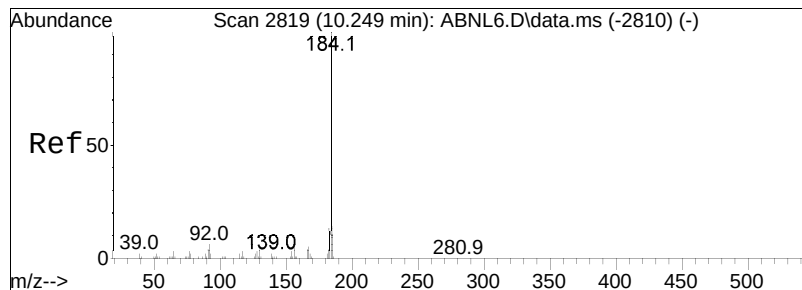




#95
 Fluoranthene
 Concen: 4.80 ug/ml
 RT: 9.647 min Scan# 2738
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

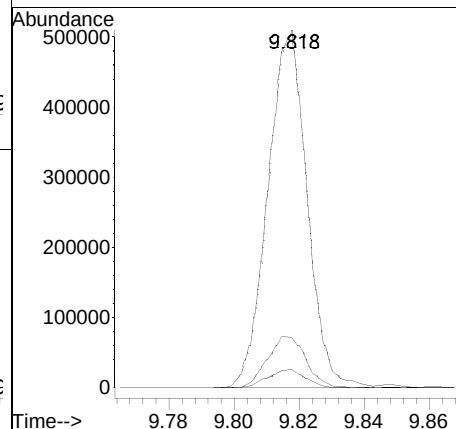
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.6	13.5	20.3#
203	17.3	13.6	20.4

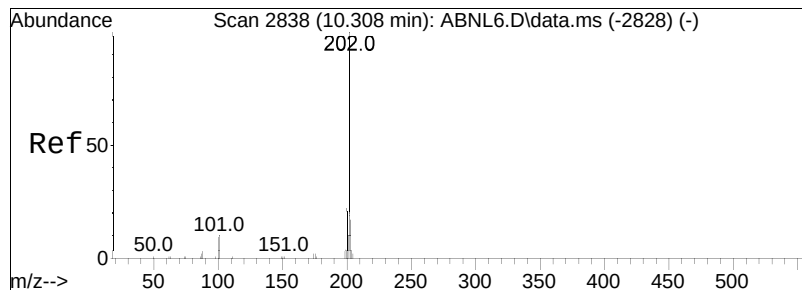




#96
Benzidine
Concen: 5.10 ug/ml
RT: 9.818 min Scan# 2793
Delta R.T. -0.003 min
Lab File: ABN0928a.D
Acq: 28 Sep 2025 6:33 pm

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	421996		
92	5.2		9.1	13.7#
185	14.5		11.1	16.7





#97

Pyrene

Concen: 4.76 ug/ml

RT: 9.855 min Scan# 2805

Delta R.T. -0.003 min

Lab File: ABN0928a.D

Acq: 28 Sep 2025 6:33 pm

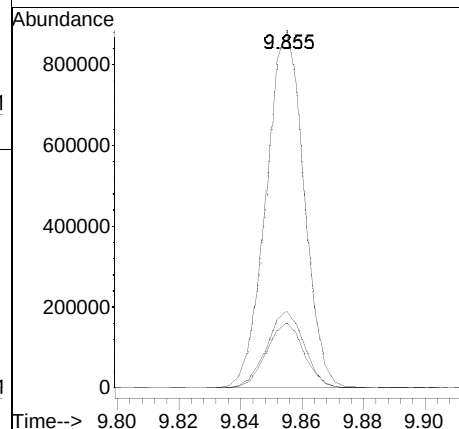
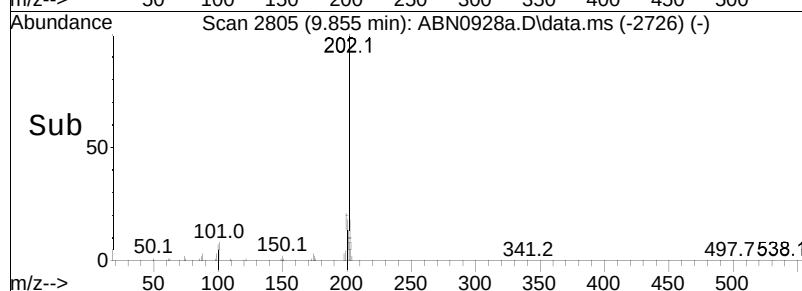
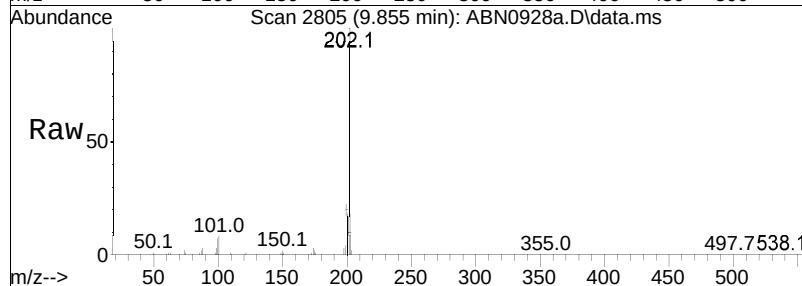
Tgt Ion: 202 Resp: 746613

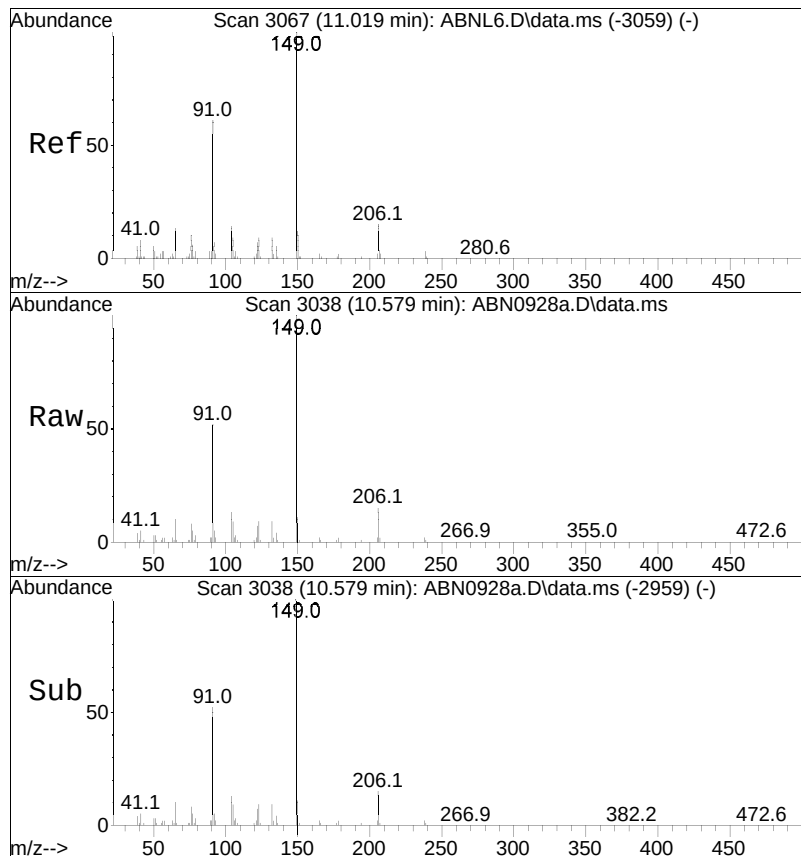
Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

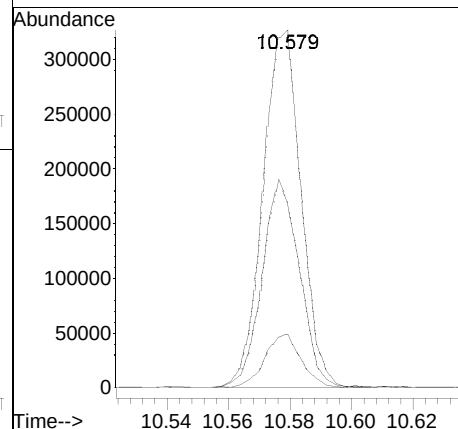
203 18.2 14.2 21.4

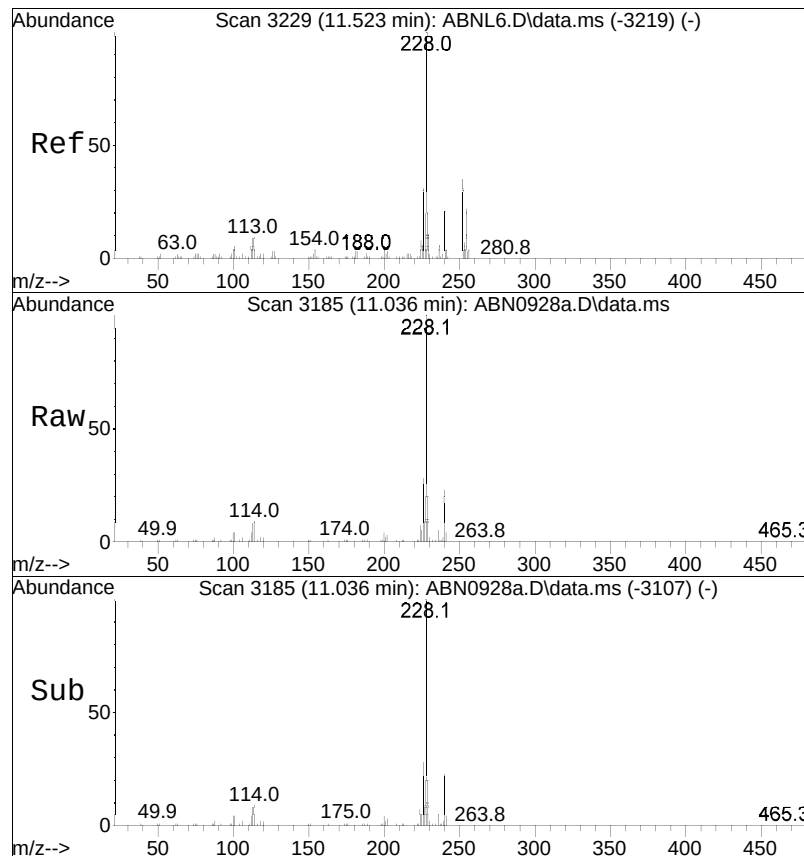




#99
 Butyl benzyl phthalate
 Concen: 5.45 ug/ml
 RT: 10.579 min Scan# 3038
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

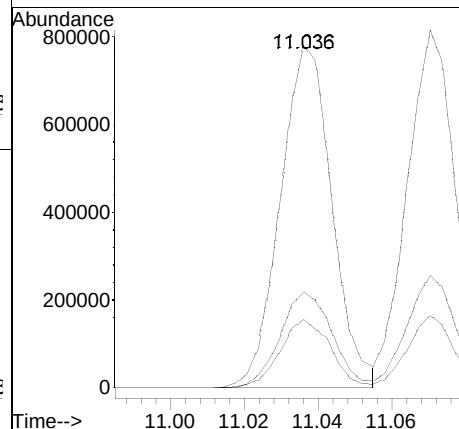
Tgt Ion:	149	Resp:	278778
Ion Ratio	Lower	Upper	
149	100		
91	56.9	63.3	94.9#
206	14.2	13.9	20.9

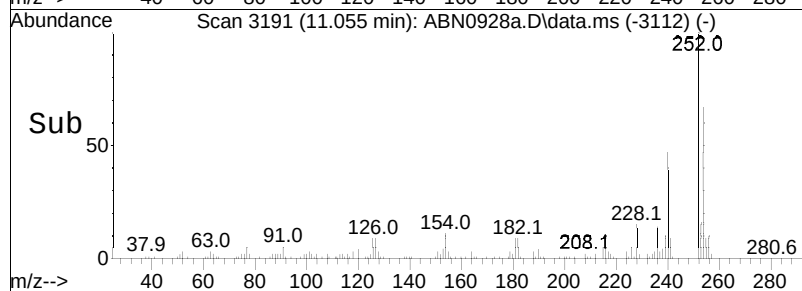
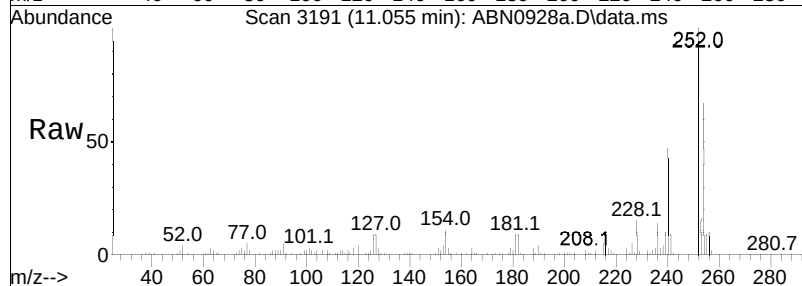
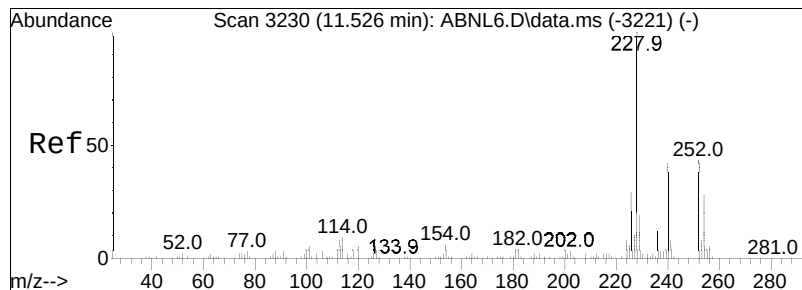




#107
 Benzo(a)anthracene
 Concen: 4.87 ug/ml
 RT: 11.036 min Scan# 3185
 Delta R.T. -0.006 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

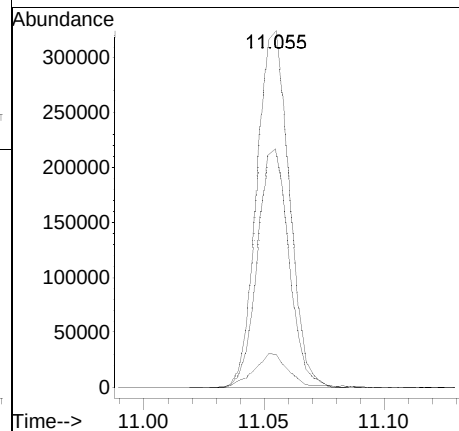
Tgt Ion:	228	Resp:	756876
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.2	33.4
229	19.6	15.6	23.4

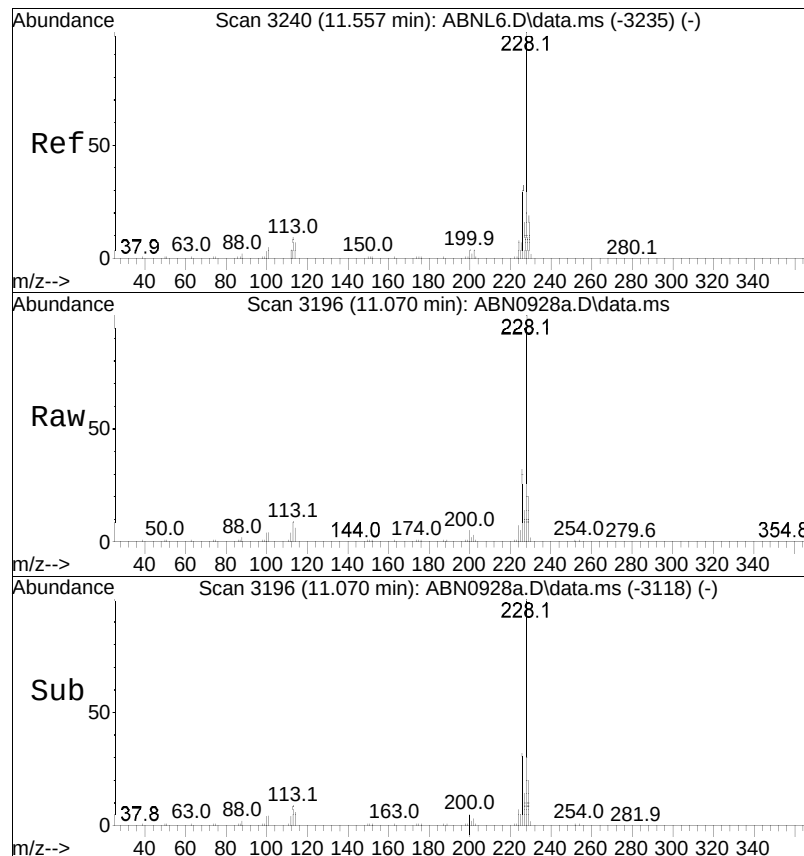




#108
 3,3'-Dichlorobenzidine
 Concen: 5.44 ug/ml
 RT: 11.055 min Scan# 3191
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

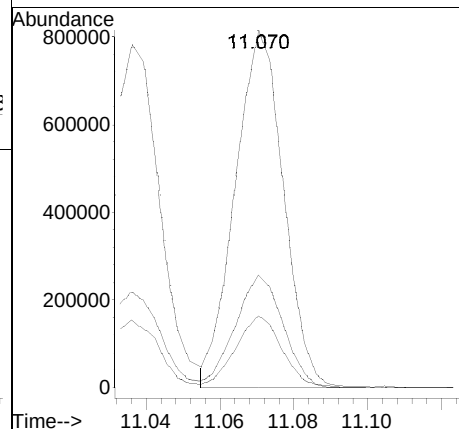
Tgt Ion	Ratio	Lower	Upper
252	100		
126	10.8	14.5	21.7#
254	65.2	51.2	76.8

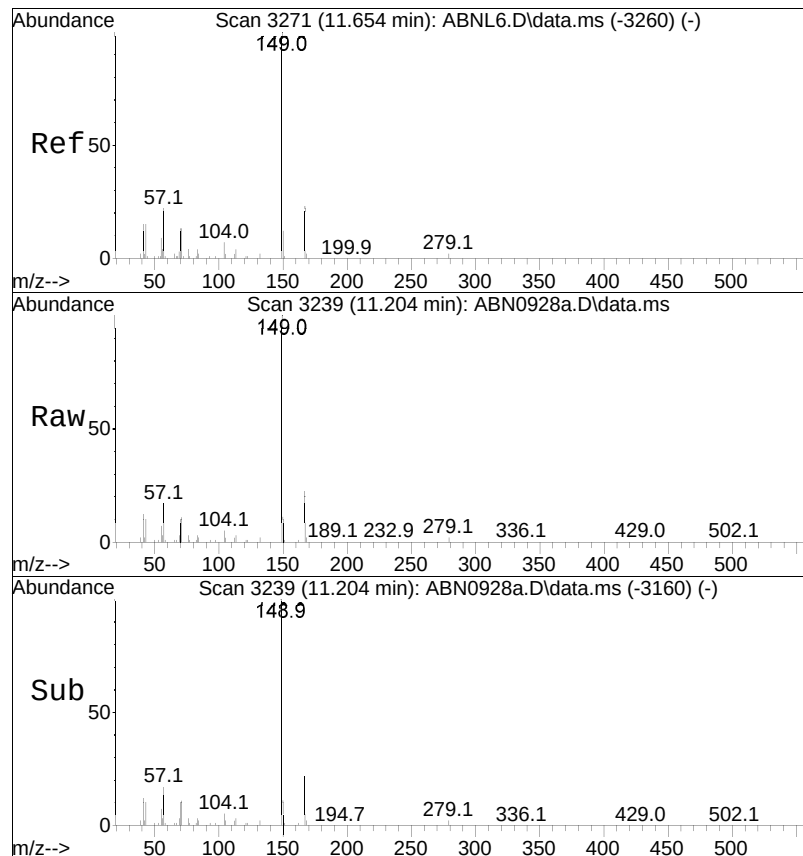




#109
 Chrysene
 Concen: 4.68 ug/ml
 RT: 11.070 min Scan# 3196
 Delta R.T. -0.006 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

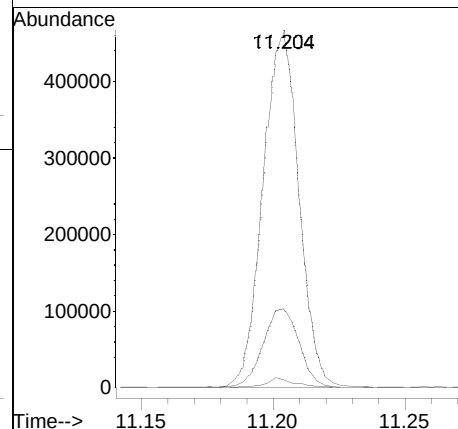
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.0	36.0
229	19.2	15.8	23.8

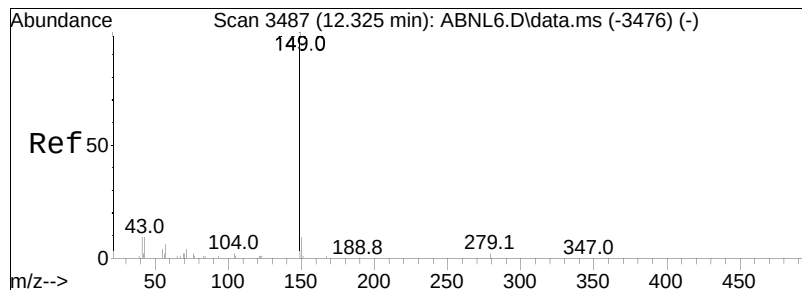




#110
 Bis(2-ethylhexyl)phthalate
 Concen: 5.90 ug/ml
 RT: 11.204 min Scan# 3239
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

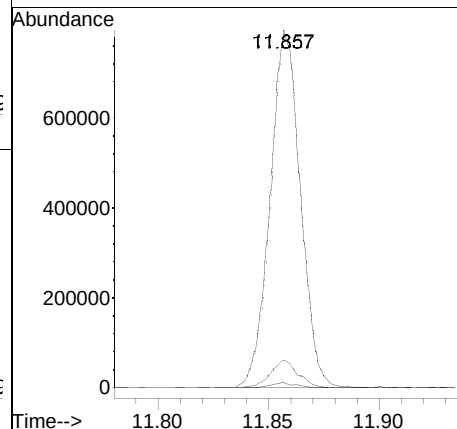
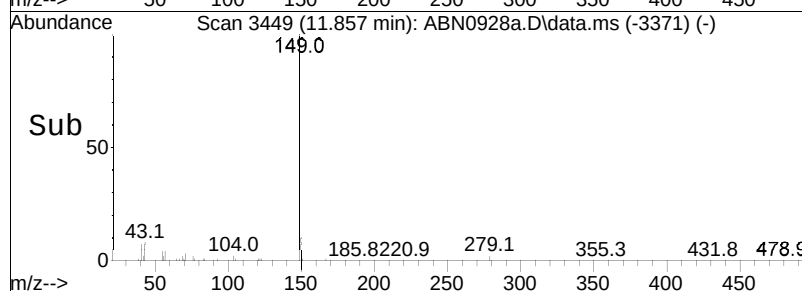
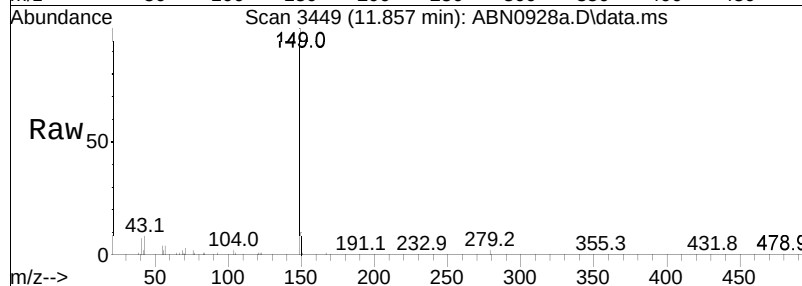
Tgt	Ion	Ratio	Resp	Lower	Upper
149	100		436794		
167	22.4	22.1		33.1	
279	2.0	3.0		4.4#	

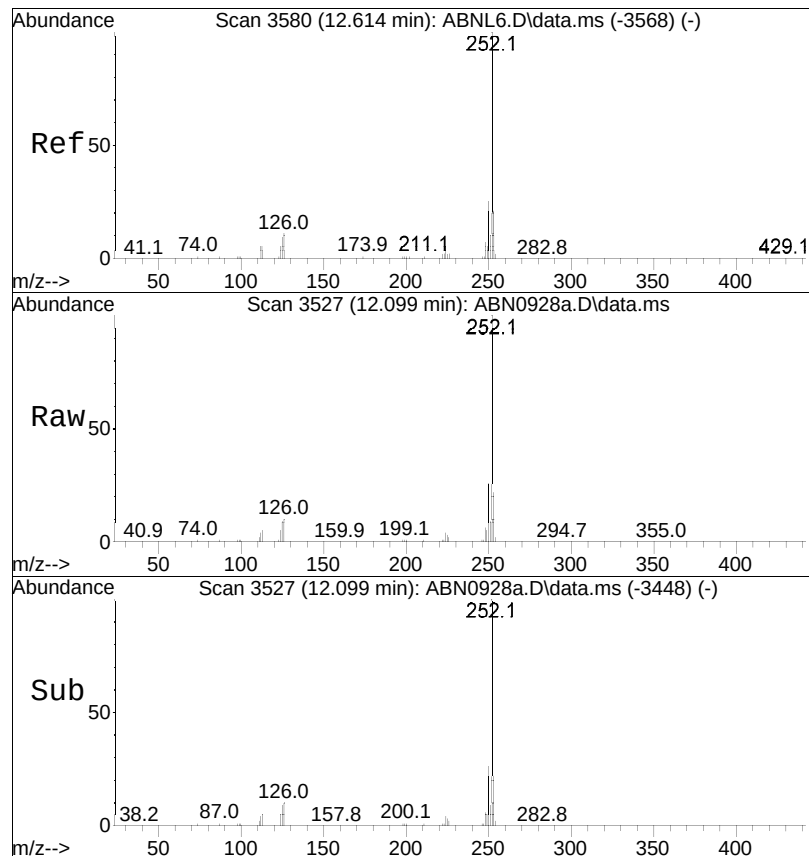




#111
 Di-n-octylphthalate
 Concen: 5.70 ug/ml
 RT: 11.857 min Scan# 3449
 Delta R.T. -0.006 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

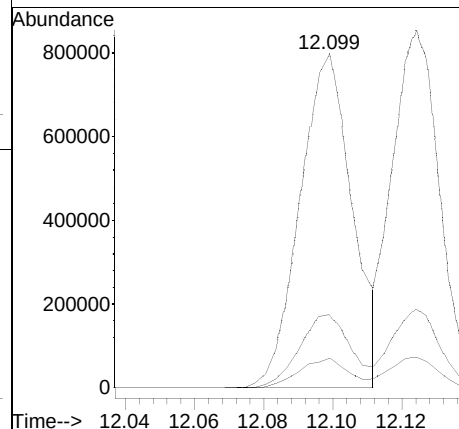
Tgt	Ion	Ratio	Lower	Upper
149	149	100		
43	43	7.2	18.8	28.2#
167	167	1.2	1.3	1.9#

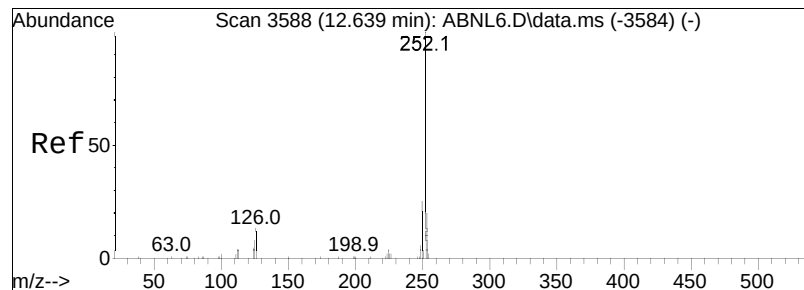




#112
 Benzo(b)fluoranthene
 Concen: 5.37 ug/ml
 RT: 12.099 min Scan# 3527
 Delta R.T. -0.003 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

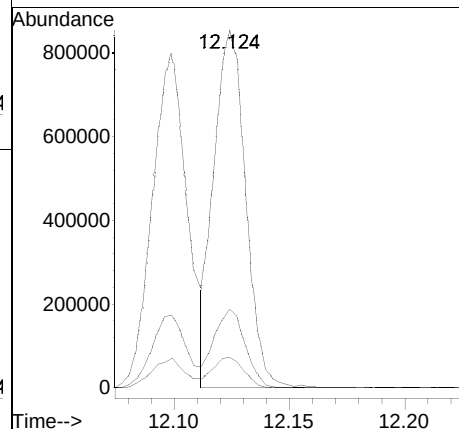
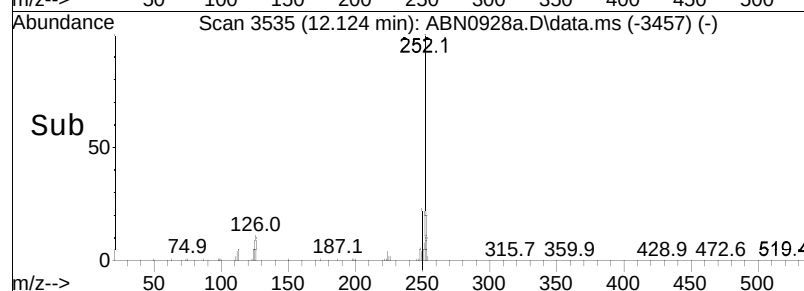
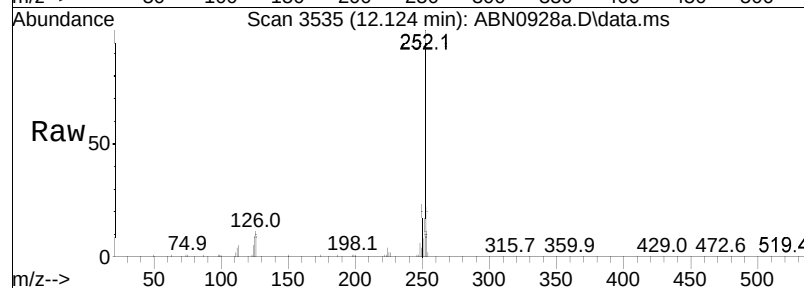
Tgt	Ion	Ratio	Lower	Upper
252	100			
125	8.2	13.3	19.9#	
253	21.9	17.1	25.7	

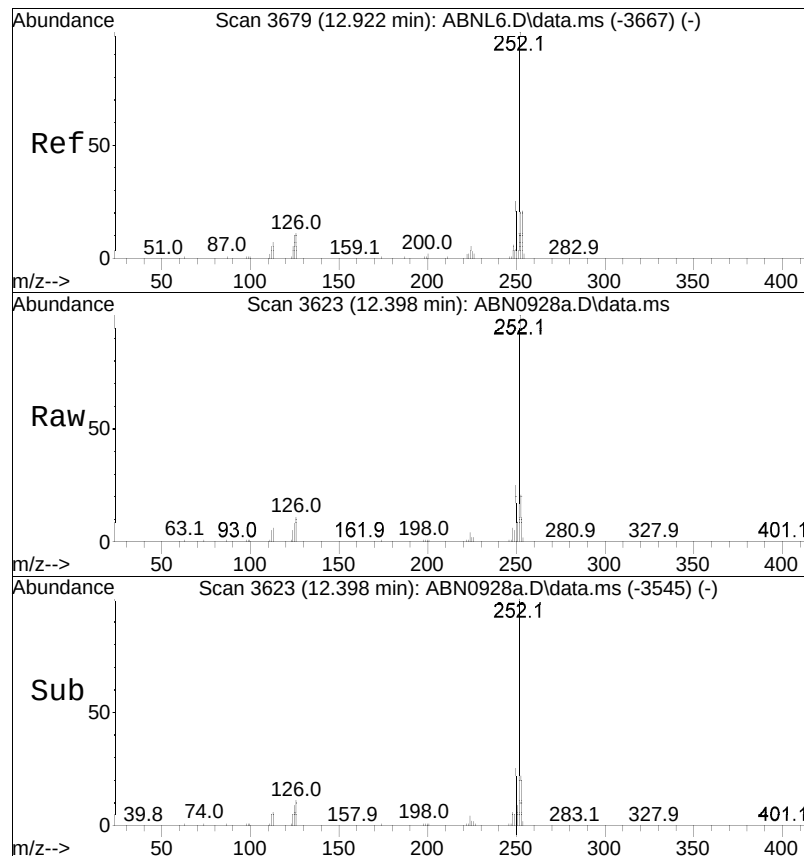




#113
 Benzo(k)fluoranthene
 Concen: 5.23 ug/ml
 RT: 12.124 min Scan# 3535
 Delta R.T. -0.006 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

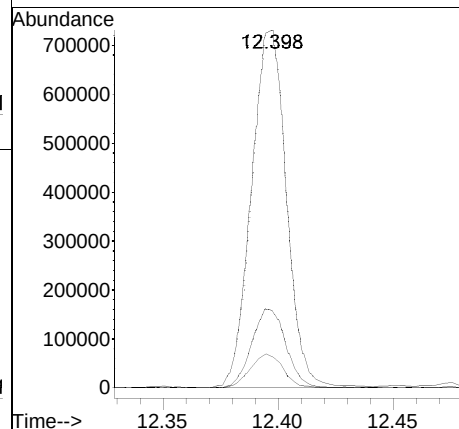
Tgt Ion	Ratio	Lower	Upper
252	100		
125	8.9	13.0	19.6#
253	21.6	16.8	25.2

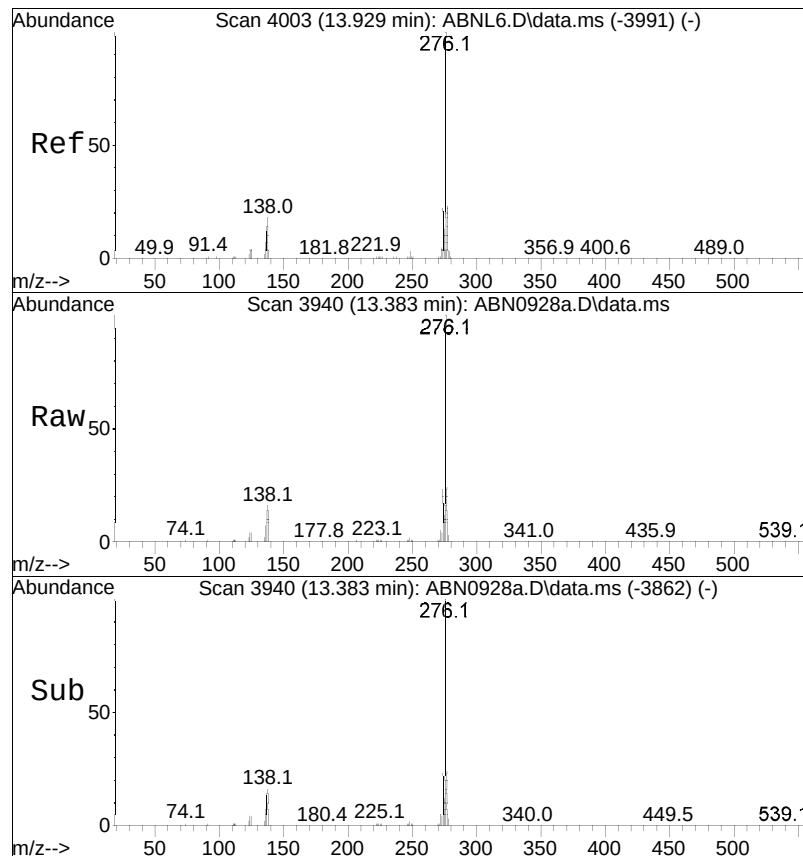




#114
 Benzo(a)pyrene
 Concen: 5.35 ug/ml
 RT: 12.398 min Scan# 3623
 Delta R.T. -0.006 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

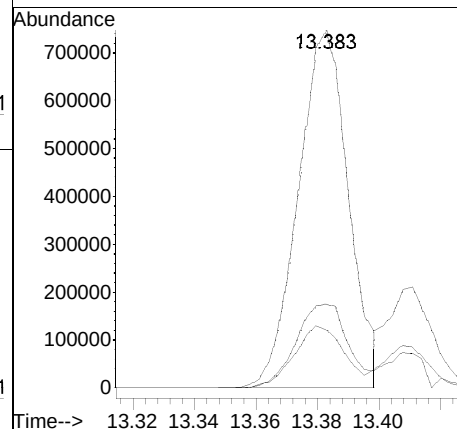
Tgt	Ion	Ratio	Lower	Upper
252	100			
125	9.1	14.2	21.2#	
253	22.2	16.9	25.3	

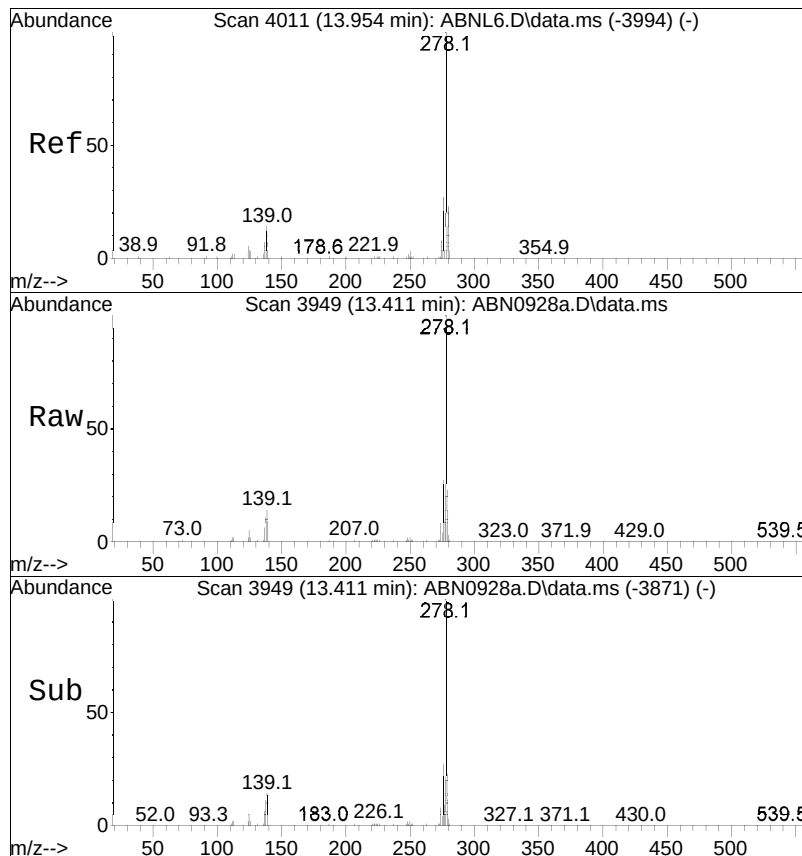




#116
 Indeno(1,2,3-cd)pyrene
 Concen: 4.92 ug/mL
 RT: 13.383 min Scan# 3940
 Delta R.T. -0.006 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

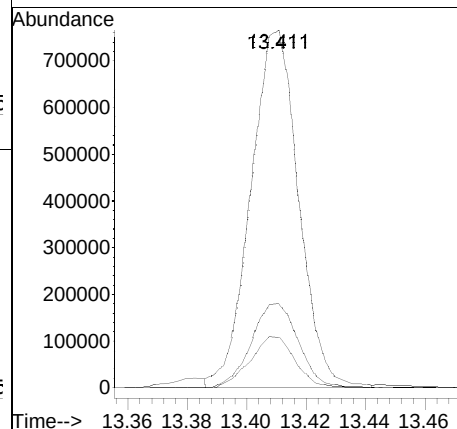
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	842907		
138	17.3		25.1	37.7#
277	24.8		18.6	28.0

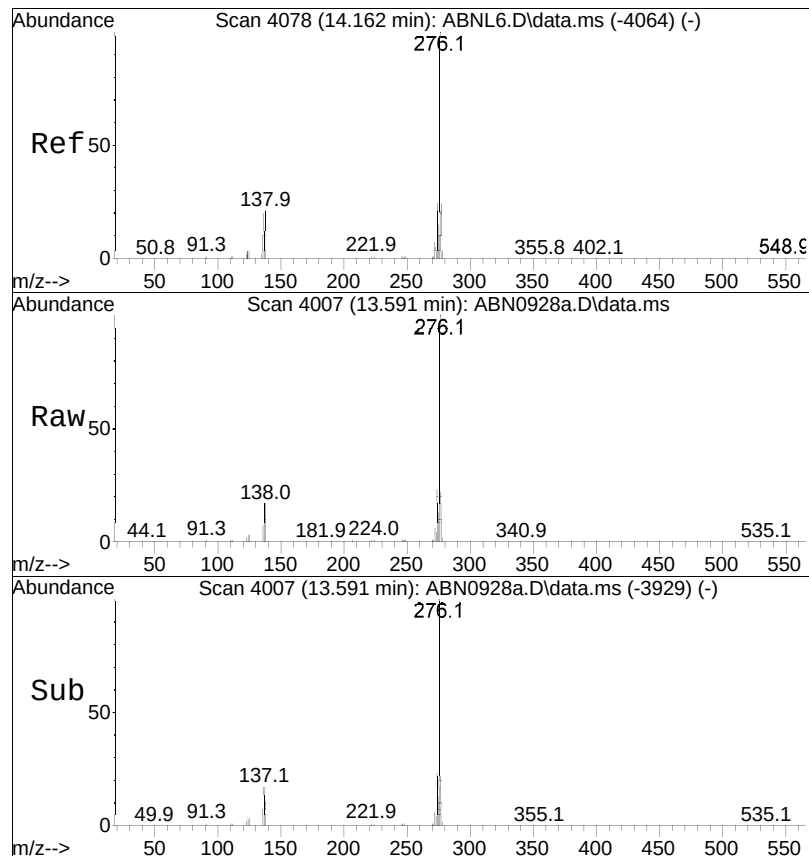




#117
 Dibenzo(a,h)anthracene
 Concen: 4.93 ug/ml M6
 RT: 13.411 min Scan# 3949
 Delta R.T. -0.006 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

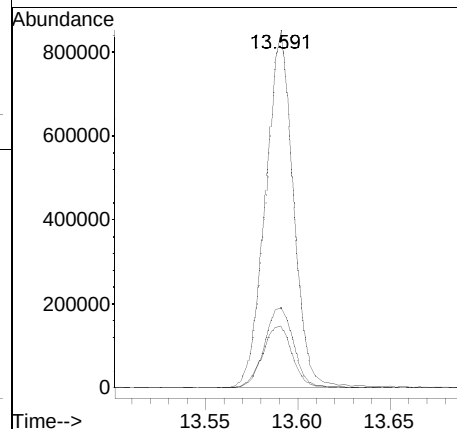
Tgt Ion:	278	Resp:	850676
Ion Ratio	Lower	Upper	
278	100		
139	13.8	20.8	31.2#
279	23.7	18.3	27.5





#118
 Benzo(ghi)perylene
 Concen: 5.06 ug/ml
 RT: 13.591 min Scan# 4007
 Delta R.T. -0.006 min
 Lab File: ABN0928a.D
 Acq: 28 Sep 2025 6:33 pm

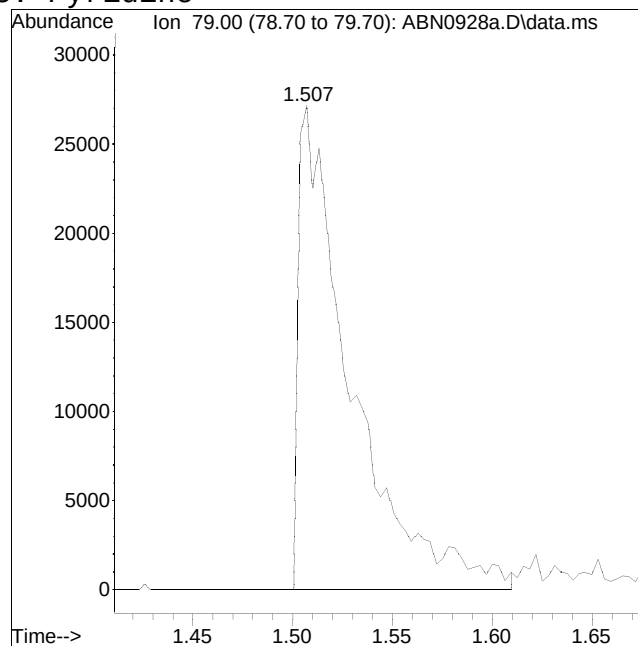
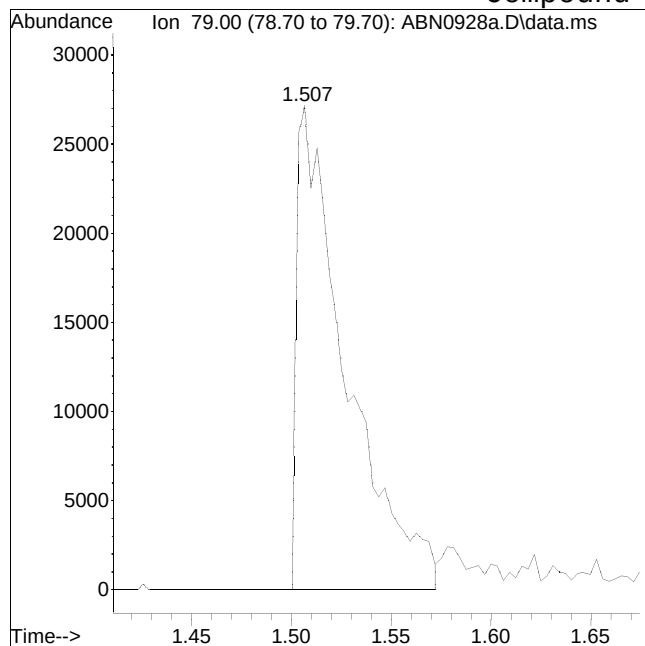
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	884236		
138	18.6	29.2	43.8#	
277	23.7	18.8	28.2	



Manual Integration Report

Data Path : I:\8270\Dakota\250928RVT\ QMethod : FS250821RVT_Dakota.m
Data File : ABN0928a.D Operator : Dakota:slr
Date Inj'd : 9/28/2025 6:33 pm Instrument : Dakota
Sample : WG2120752-3,32,,ABN 11823 QMethod : 9/28/2025 6:51 pm

Compound #3: Pyridine



Original Peak Response = 46430

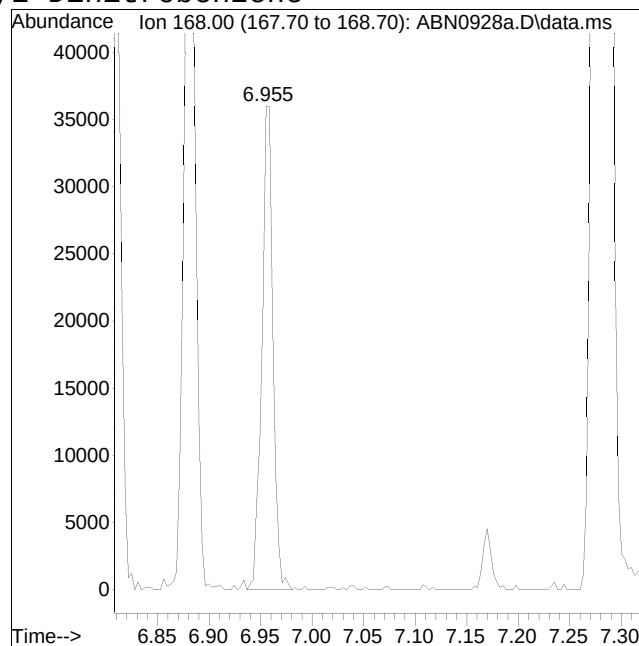
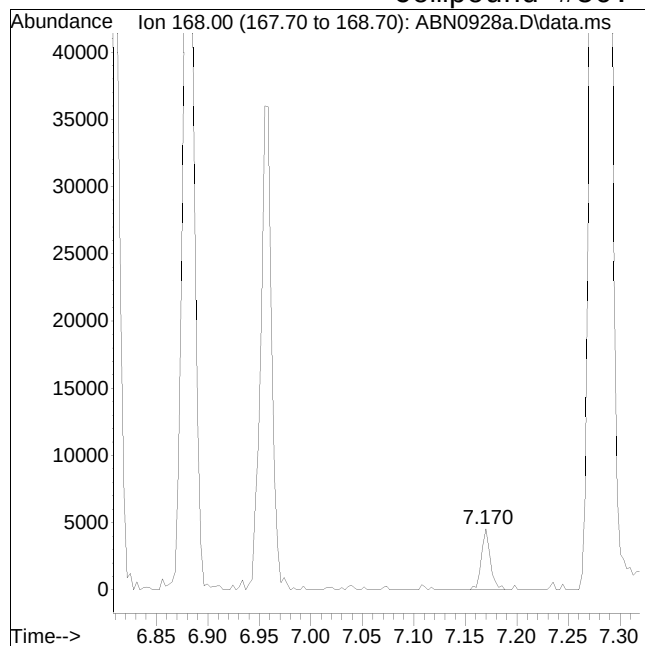
Manual Peak Response = 49636 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\Dakota\250928RVT\ QMethod : FS250821RVT_Dakota.m
Data File : ABN0928a.D Operator : Dakota:slr
Date Inj'd : 9/28/2025 6:33 pm Instrument : Dakota
Sample : WG2120752-3,32,,ABN 11823 QMethod : 9/28/2025 6:51 pm

Compound #56: 1,2-Dinitrobenzene



Original Peak Response = 2769

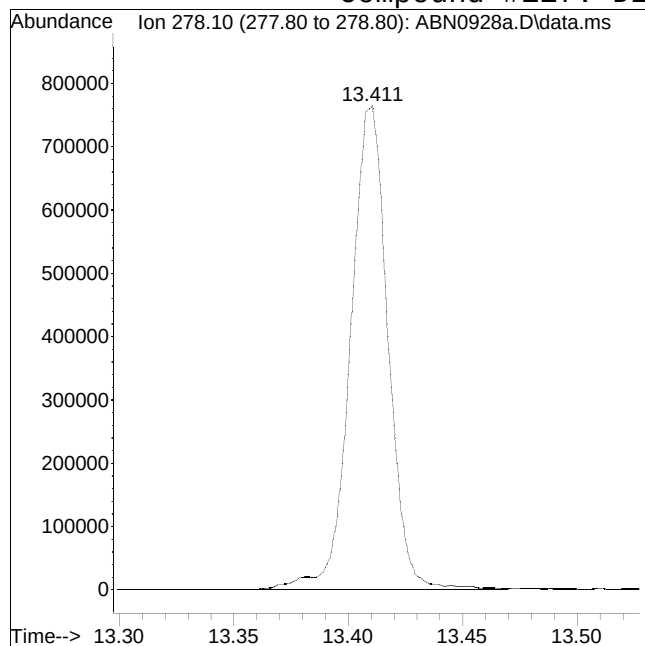
Manual Peak Response = 27095 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

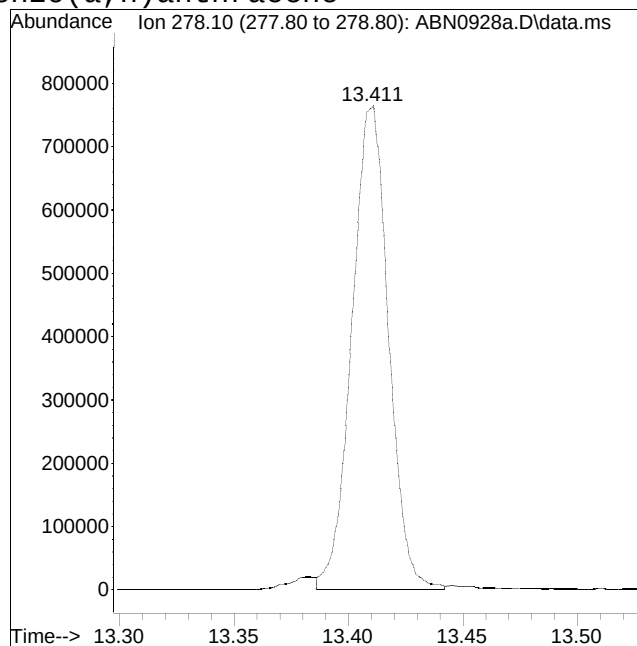
Data Path : I:\8270\Dakota\250928RVT\ QMethod : FS250821RVT_Dakota.m
Data File : ABN0928a.D Operator : Dakota:slr
Date Inj'd : 9/28/2025 6:33 pm Instrument : Dakota
Sample : WG2120752-3,32,,ABN 11823 QMethod : 9/28/2025 6:51 pm

Compound #117: Dibenzo(a,h)anthracene



Original Peak Response = 875159

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 850676 M6

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250928RVT\
 Data File : AP90928a.D
 Acq On : 28 Sep 2025 6:55 pm
 Operator : Dakota:slr
 Sample : WG2120752-4,32,,AP9 11662 gmr0814A
 Misc : WG2120752,,ical22568
 ALS Vial : 97 Sample Multiplier: 1

Quant Time: Sep 28 19:13:07 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	136	0.00
28 T	Benzaldehyde	0.534	0.818	-53.2#	227#	0.00
29 T	Acetophenone	1.663	1.562	6.1	140	0.00
30 T	m-Toluidine	0.957	1.326	-38.6#	188	0.00
31 T	2-Chloroaniline	1.447	1.490	-3.0	144	0.00
57 I	IS2_Naphthalene-d8	1.000	1.000	0.0	145	0.00
58 T	a-Terpineol	0.245	0.203	17.1	128	0.00
59 T	3-Chloroaniline	0.122	0.119	2.5	149	0.00
60 T	2,6-Dichlorophenol	0.330	0.359	-8.8	165	0.00
61 T	1-chloro-2-nitrobenzene	0.135	0.134	0.7	151	0.00
62 T	Caprolactam	0.128	0.102	20.3#	123	0.00
63 T	1,2,4,5-Tetrachlorobenzene	0.495	0.460	7.1	145	0.00
64 T	Biphenyl	1.020	0.971	4.8	148	0.00
85 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	143	0.00
86 T	Dichloran	0.199	0.200	-0.5	163	0.00
87 T	Pentachloronitrobenzene	0.197	0.211	-7.1	164	0.00
100 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	143	0.00
101 T	Diphenamid	0.486	0.500	-2.9	161	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : AP90928a.D
 Acq On : 28 Sep 2025 6:55 pm
 Operator : Dakota:slr
 Sample : WG2120752-4,32,,AP9 11662 gmr0814A
 Misc : WG2120752,,ical22568
 ALS Vial : 97 Sample Multiplier: 1

Quant Time: Sep 28 19:13:07 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.158	152	72611	4.000	ug/ml	0.00
57) IS2_Naphthalene-d8	5.395	136	268261	4.000	ug/ml	0.00
85) IS2_Acenaphthene-d10	7.083	164	186950	4.000	ug/ml	0.00
100) IS2_Phenanthrene-d10	8.491	188	430393	4.000	ug/ml	# 0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.717	105	74243	7.658	ug/ml	93
29) Acetophenone	4.575	105	141734	4.694	ug/ml#	77
30) m-Toluidine	4.658	106	120384	6.932	ug/ml	93
31) 2-Chloroaniline	5.013	127	135257	5.149	ug/ml#	90
58) a-Terpineol	5.470	59	68134	4.142	ug/ml#	66
59) 3-Chloroaniline	5.479	65	39845	4.888	ug/ml	81
60) 2,6-Dichlorophenol	5.504	162	120281	5.443	ug/ml#	77
61) 1-chloro-2-nitrobenzene	5.756	111	44901	4.973	ug/ml#	1
62) Caprolactam	5.802	55	34283	3.988	ug/ml#	49
63) 1,2,4,5-Tetrachloroben...	6.262	216	154354	4.647	ug/ml	98
64) Biphenyl	6.554	154	325450	4.756	ug/ml	97
86) Dichloran	8.205	206	46679	5.013	ug/ml#	65
87) Pentachloronitrobenzene	8.348	237	49398	5.356	ug/ml#	77
101) Diphenamid	9.408	167	269076	5.148	ug/ml#	61

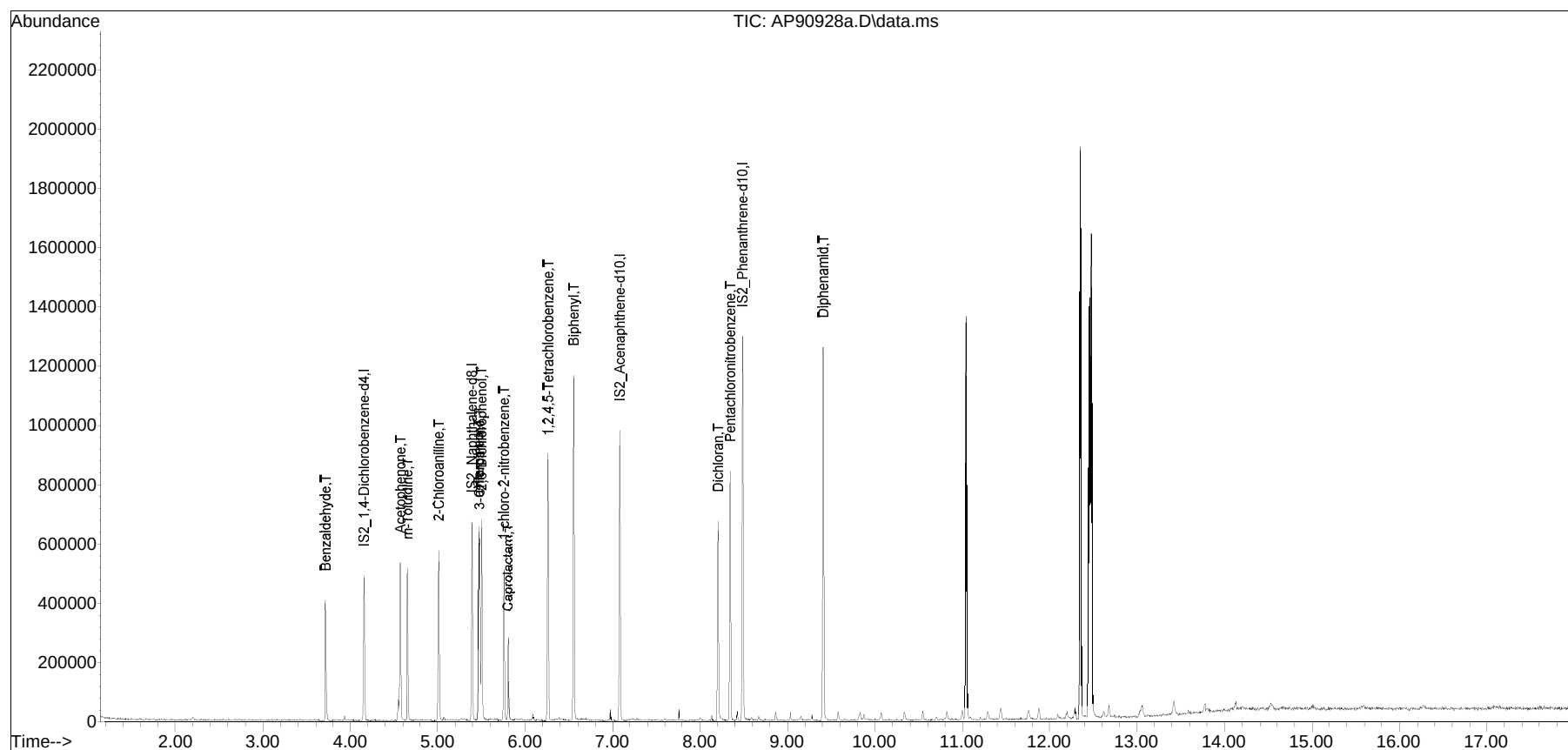
(#) = qualifier out of range (m) = manual integration (+) = signals summed

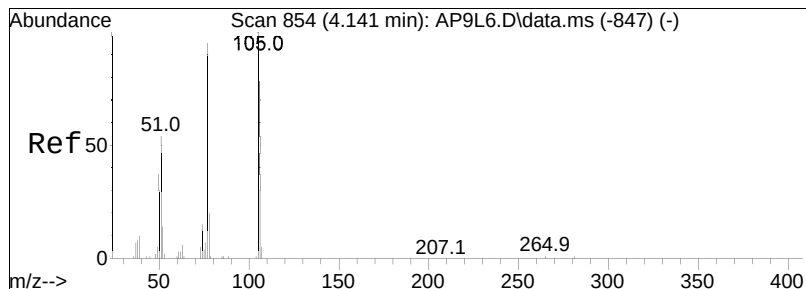
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : AP90928a.D
 Acq On : 28 Sep 2025 6:55 pm
 Operator : Dakota:slr
 Sample : WG2120752-4,32,,AP9 11662 gmr0814A
 Misc : WG2120752,,ical22568
 ALS Vial : 97 Sample Multiplier: 1

Quant Time: Sep 28 19:13:07 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist





#28

Benzaldehyde

Concen: 7.66 ug/ml

RT: 3.717 min Scan# 830

Delta R.T. -0.003 min

Lab File: AP90928a.D

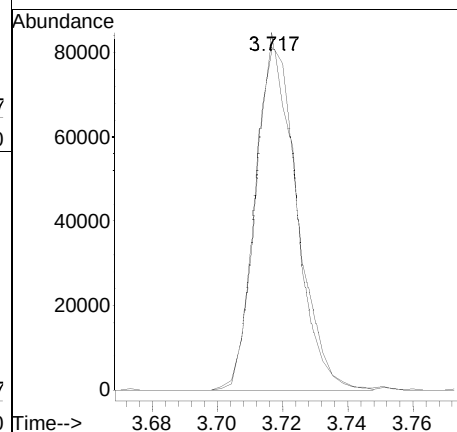
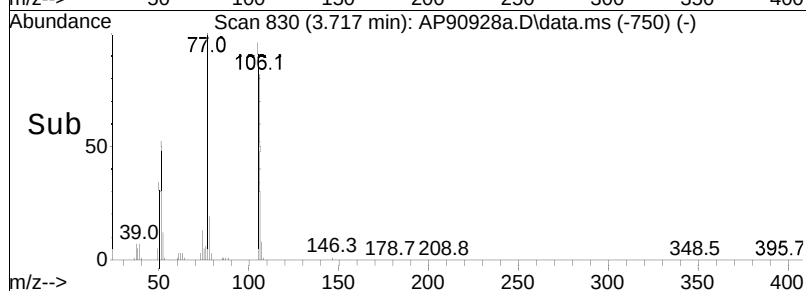
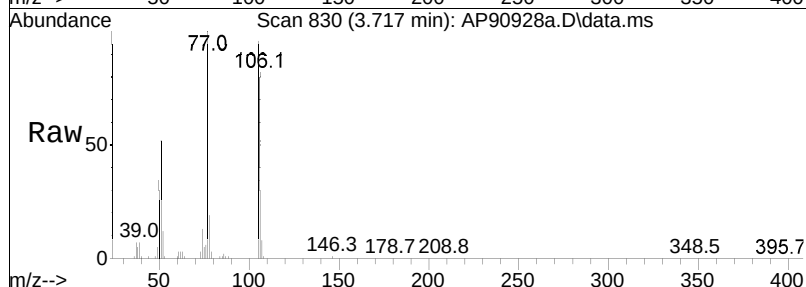
Acq: 28 Sep 2025 6:55 pm

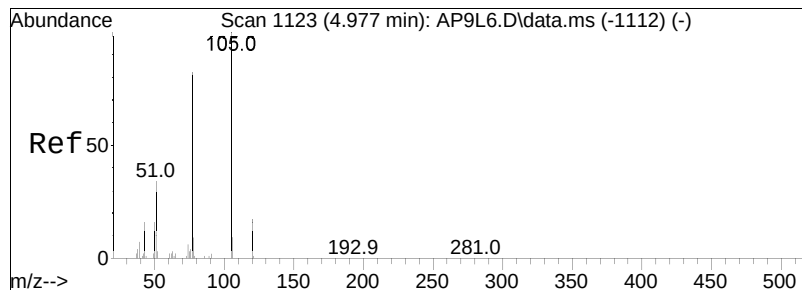
Tgt Ion:105 Resp: 74243

Ion Ratio Lower Upper

105 100

77 95.7 82.2 123.4





#29

Acetophenone

Concen: 4.69 ug/ml

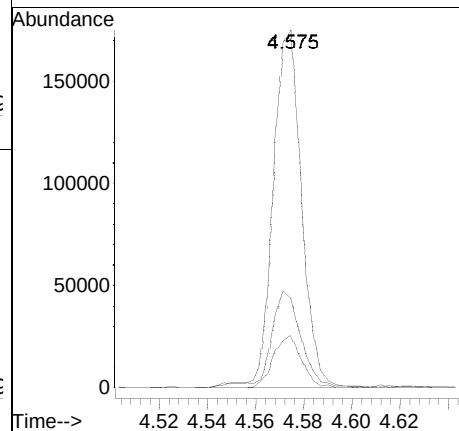
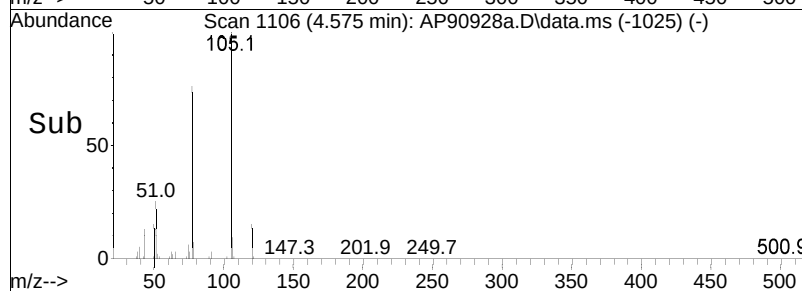
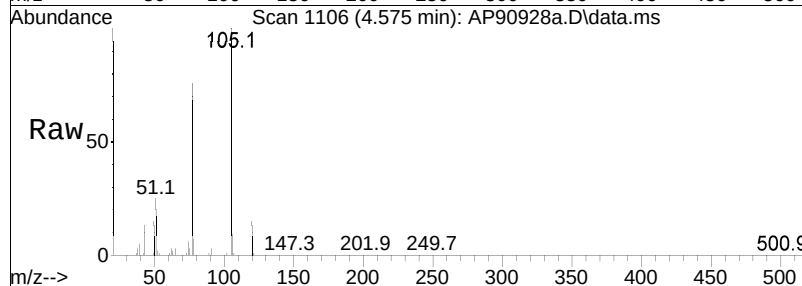
RT: 4.575 min Scan# 1106

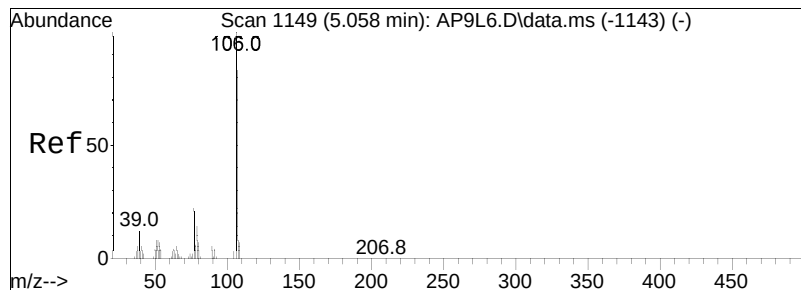
Delta R.T. 0.000 min

Lab File: AP90928a.D

Acq: 28 Sep 2025 6:55 pm

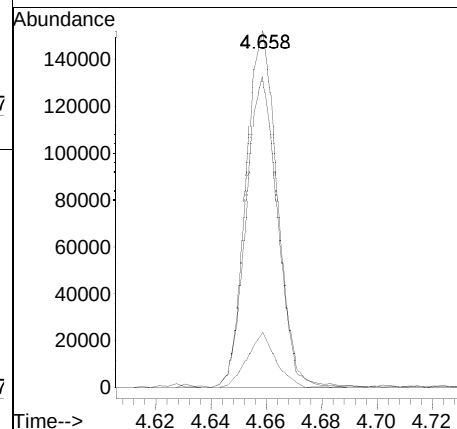
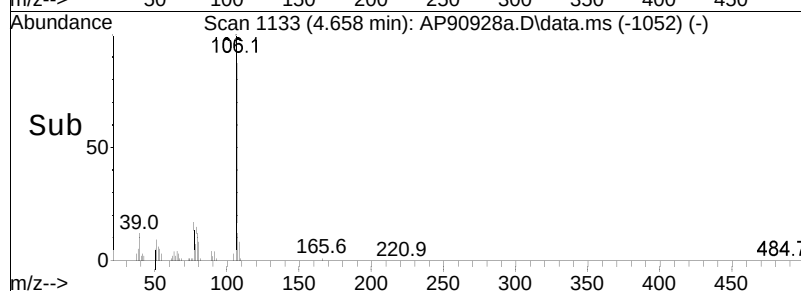
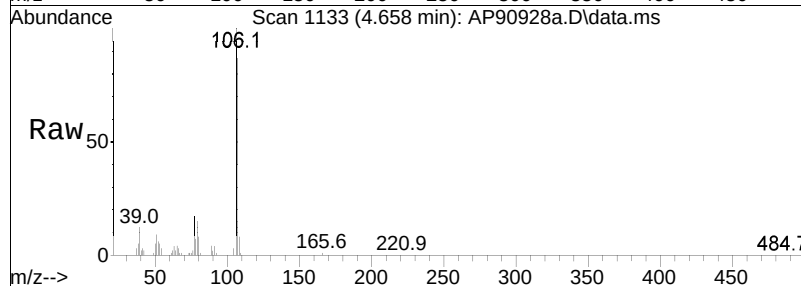
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	141734		
120	14.4	20.5	30.7#	
51	28.7	34.9	52.3#	

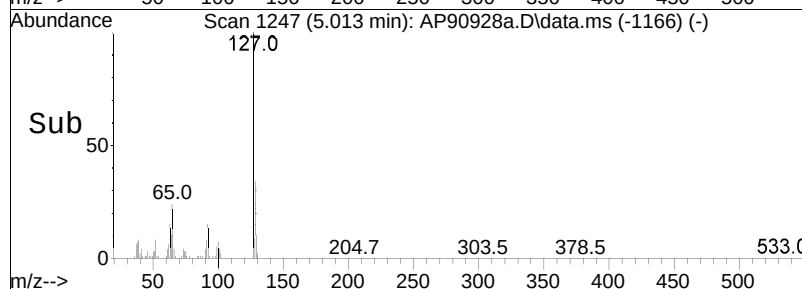
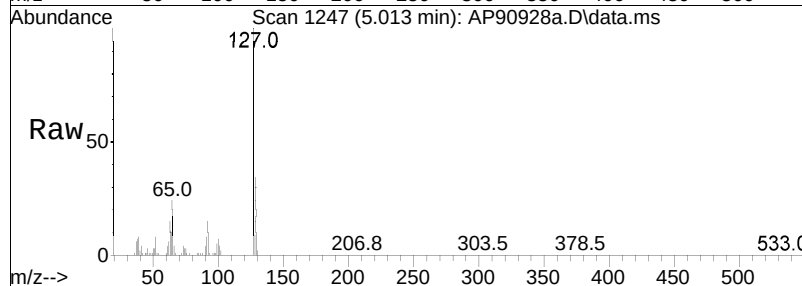
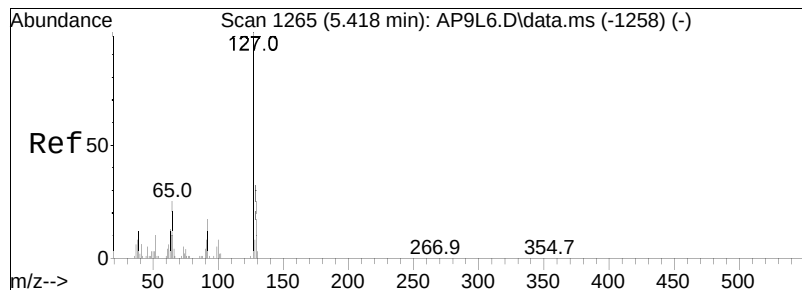




#30
 m-Toluidine
 Concen: 6.93 ug/ml
 RT: 4.658 min Scan# 1133
 Delta R.T. 0.000 min
 Lab File: AP90928a.D
 Acq: 28 Sep 2025 6:55 pm

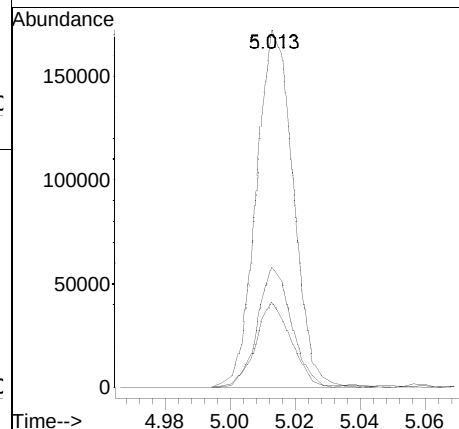
Tgt Ion	Ratio	Lower	Upper
106	100		
107	87.2	75.7	113.5
79	14.1	11.8	17.8

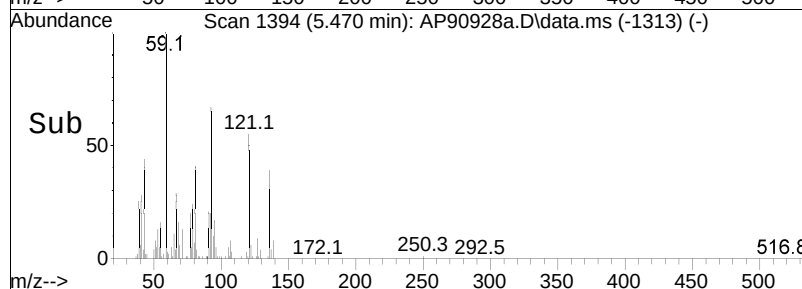
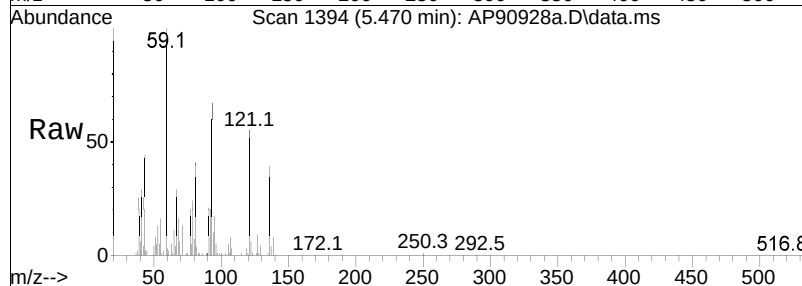
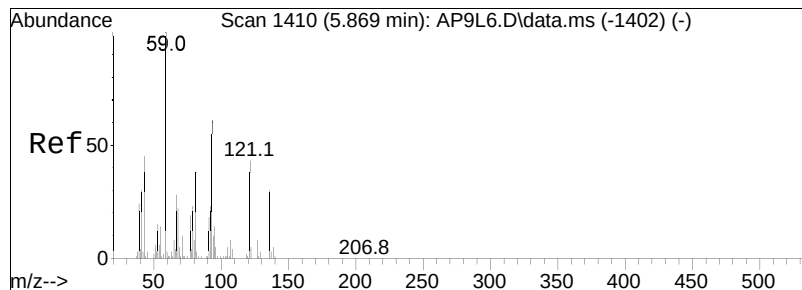




#31
 2-Chloroaniline
 Concen: 5.15 ug/ml
 RT: 5.013 min Scan# 1247
 Delta R.T. 0.000 min
 Lab File: AP90928a.D
 Acq: 28 Sep 2025 6:55 pm

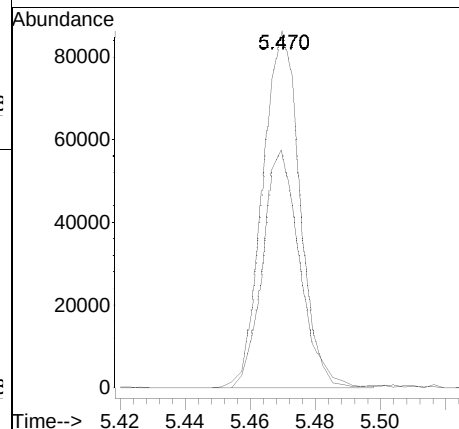
Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.1	25.9	38.9
65	23.1	26.3	39.5

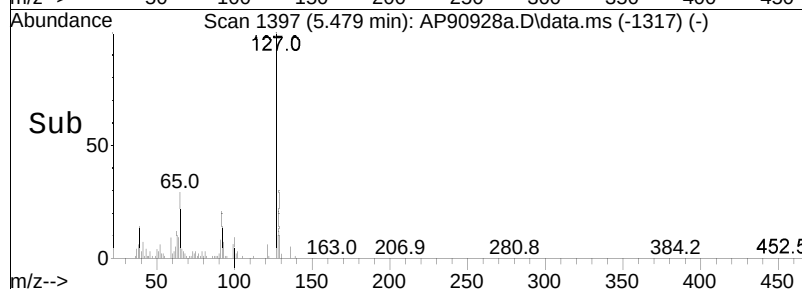
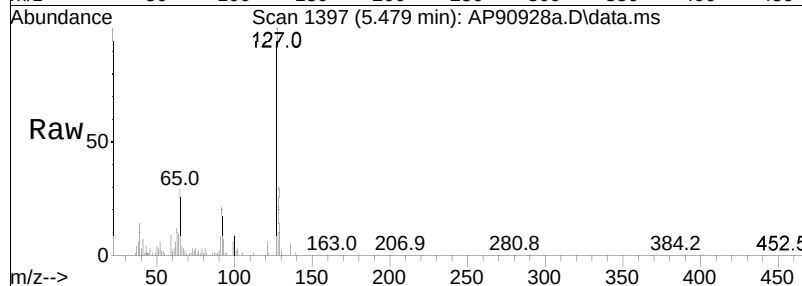
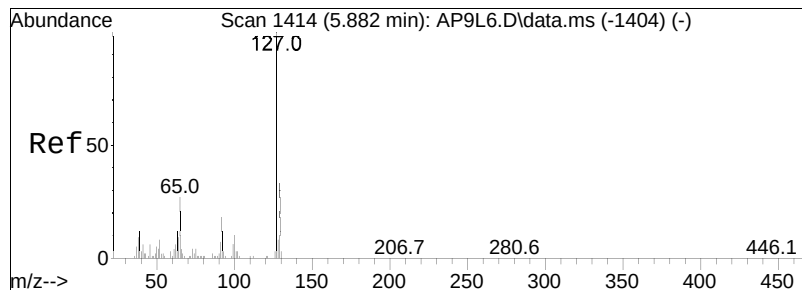




#58
a-Terpineol
Concen: 4.14 ug/ml
RT: 5.470 min Scan# 1394
Delta R.T. 0.000 min
Lab File: AP90928a.D
Acq: 28 Sep 2025 6:55 pm

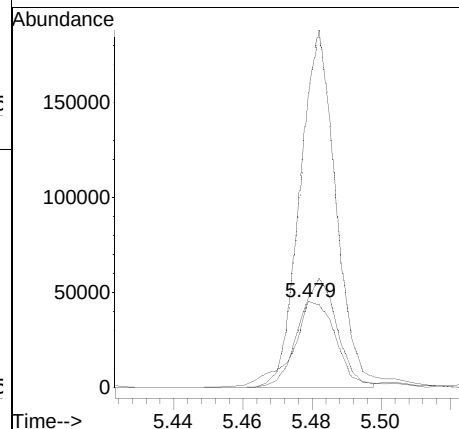
Tgt	Ion	Resp	Lower	Upper
59	100	68134		
93	66.5	35.6	53.4#	

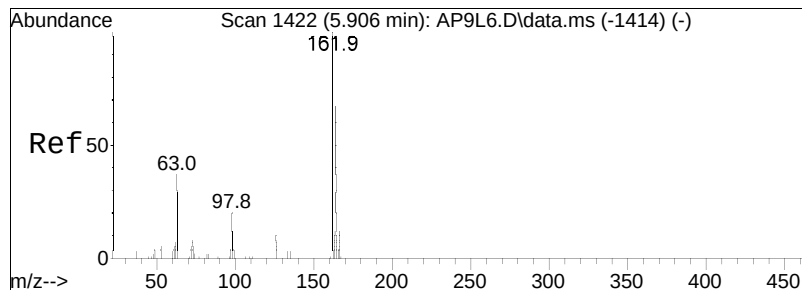




#59
 3-Chloroaniline
 Concen: 4.89 ug/ml
 RT: 5.479 min Scan# 1397
 Delta R.T. -0.003 min
 Lab File: AP90928a.D
 Acq: 28 Sep 2025 6:55 pm

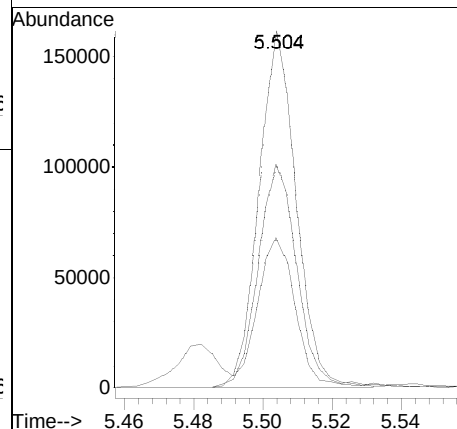
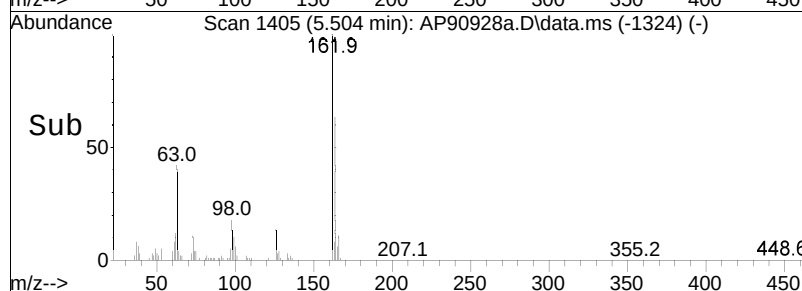
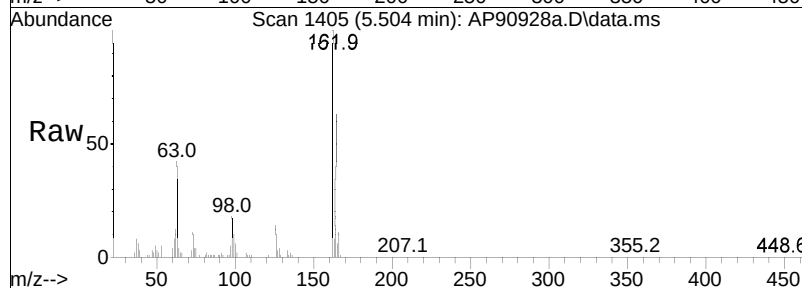
Tgt	Ion: 65	Resp:	39845
Ion	Ratio	Lower	Upper
65	100		
127	344.1	243.2	364.8
129	113.1	78.8	118.2

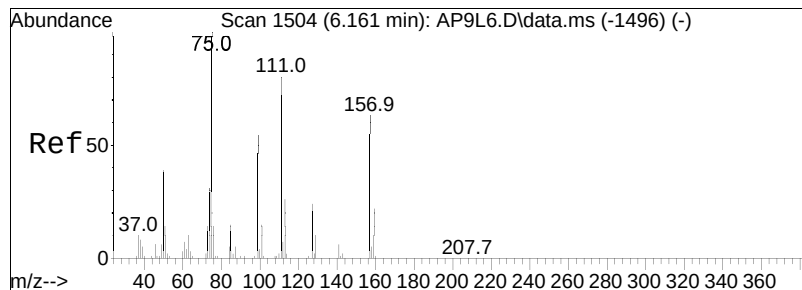




#60
 2,6-Dichlorophenol
 Concen: 5.44 ug/ml
 RT: 5.504 min Scan# 1405
 Delta R.T. 0.000 min
 Lab File: AP90928a.D
 Acq: 28 Sep 2025 6:55 pm

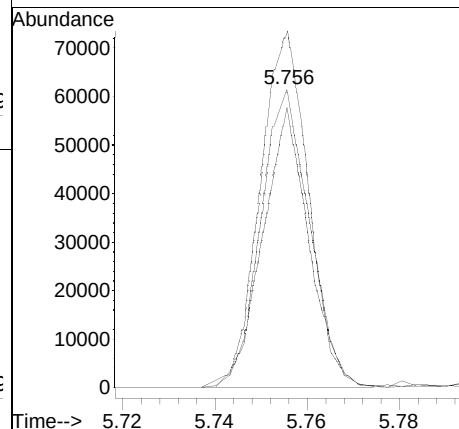
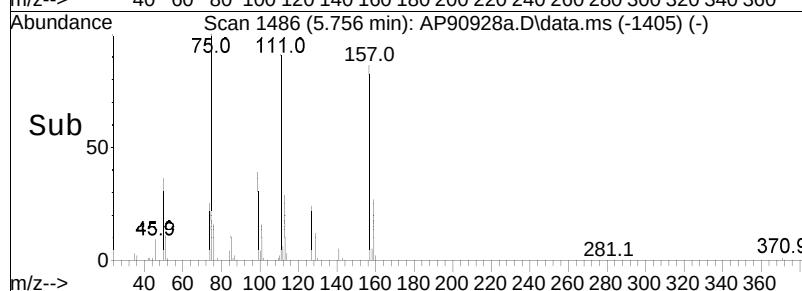
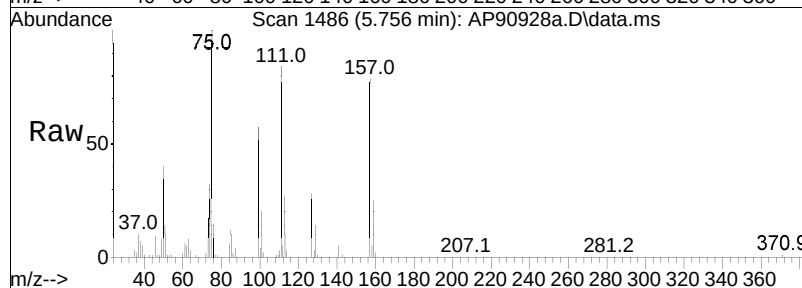
Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.0	51.1	76.7
63	41.6	60.8	91.2#

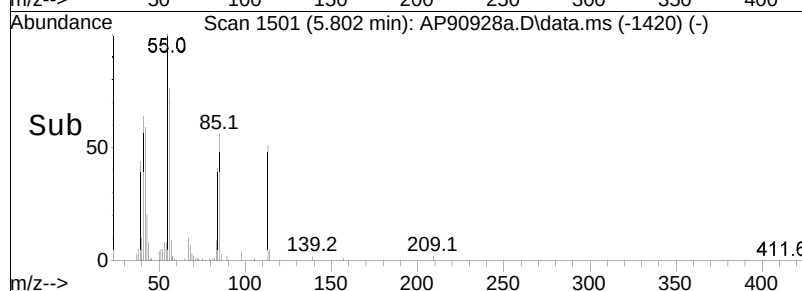
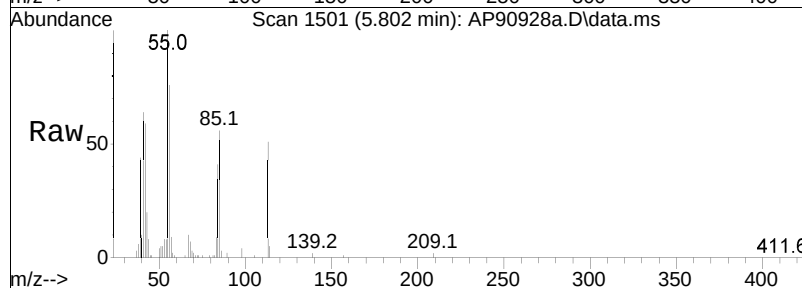
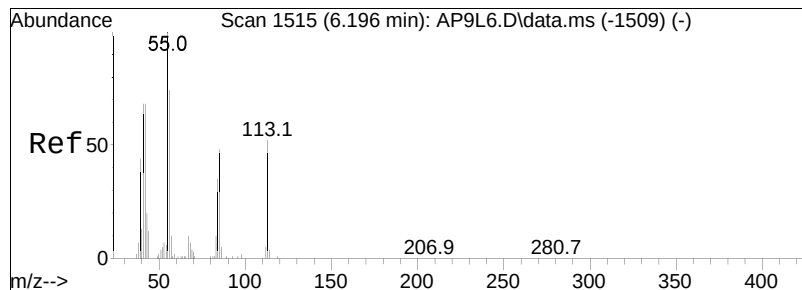




#61
 1-chloro-2-nitrobenzene
 Concen: 4.97 ug/ml
 RT: 5.756 min Scan# 1486
 Delta R.T. 0.000 min
 Lab File: AP90928a.D
 Acq: 28 Sep 2025 6:55 pm

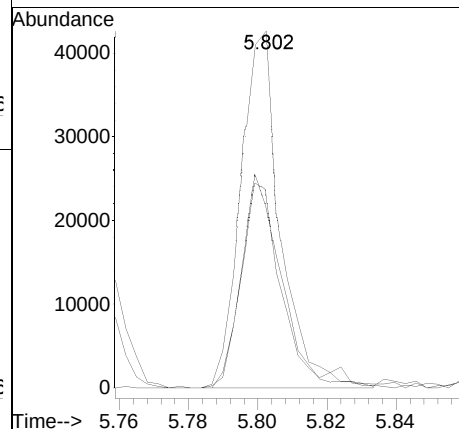
Tgt Ion	Ratio	Lower	Upper
111	100		
157	88.7	0.0	0.0#
75	118.7	28.2	42.2#

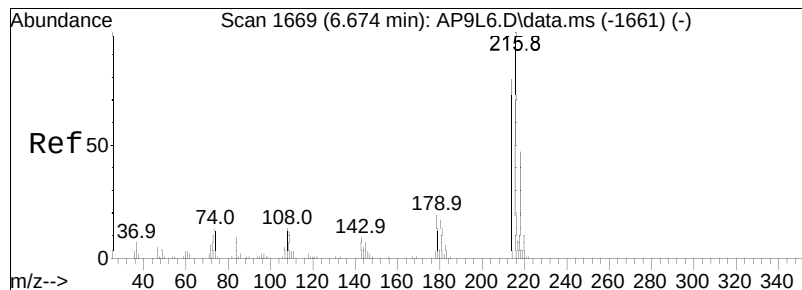




#62
 Caprolactam
 Concen: 3.99 ug/ml
 RT: 5.802 min Scan# 1501
 Delta R.T. 0.000 min
 Lab File: AP90928a.D
 Acq: 28 Sep 2025 6:55 pm

Tgt	Ion: 55	Resp:	34283
Ion	Ratio	Lower	Upper
55	100		
85	58.3	19.8	29.6#
113	60.6	29.6	44.4#





#63

1,2,4,5-Tetrachlorobenzene

Concen: 4.65 ug/ml

RT: 6.262 min Scan# 1649

Delta R.T. 0.000 min

Lab File: AP90928a.D

Acq: 28 Sep 2025 6:55 pm

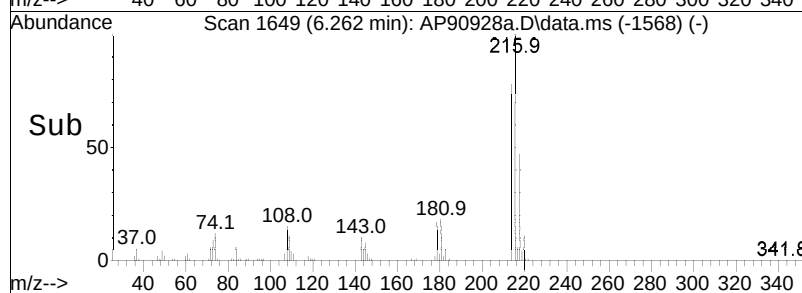
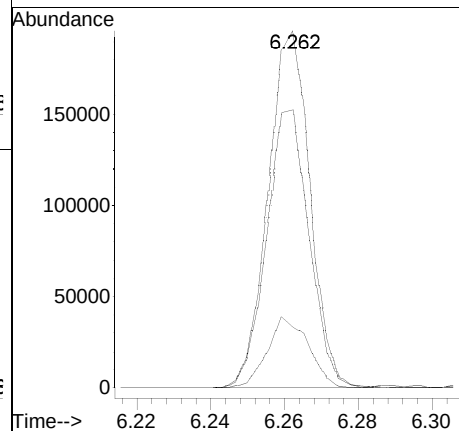
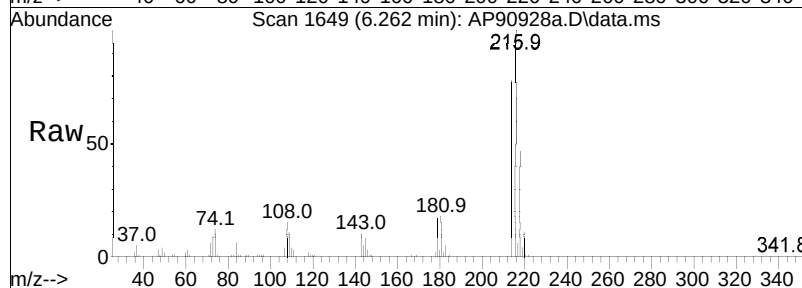
Tgt Ion: 216 Resp: 154354

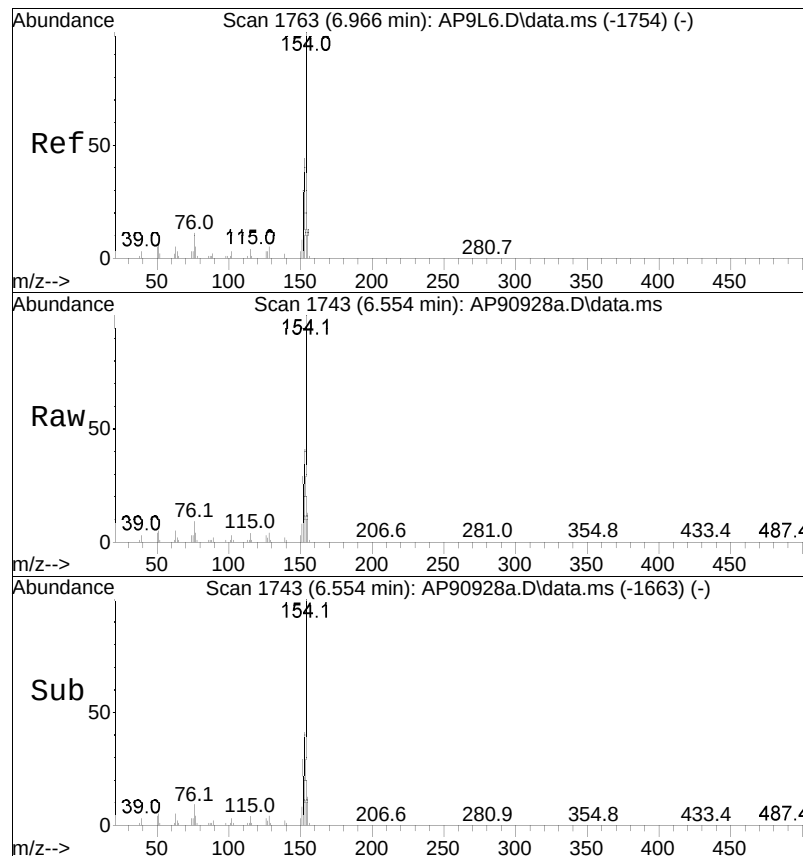
Ion Ratio Lower Upper

216 100

214 79.2 63.7 95.5

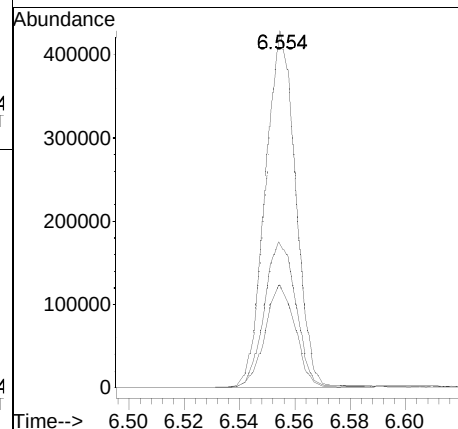
179 19.6 19.0 28.6

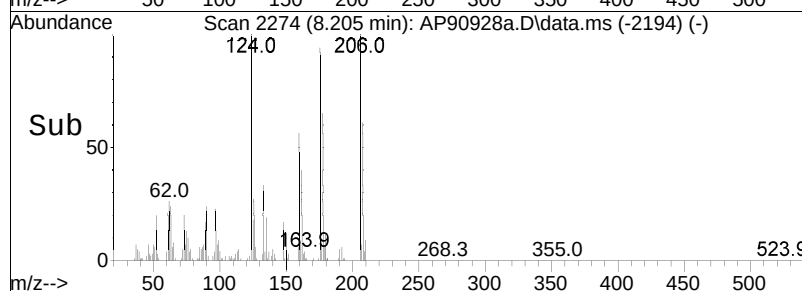
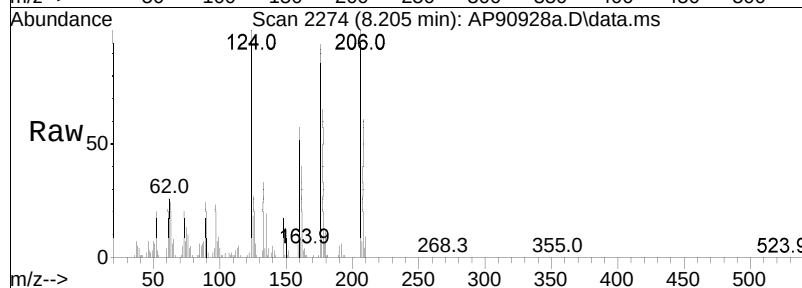
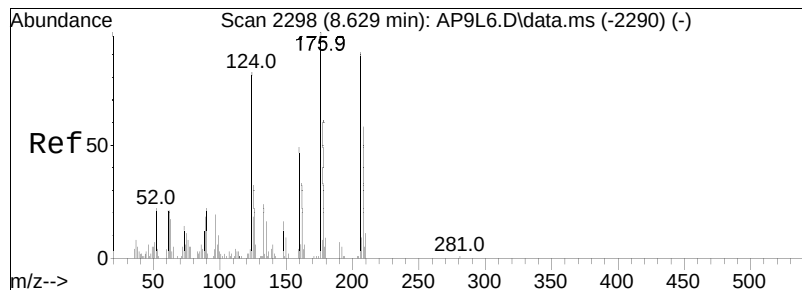




#64
 Biphenyl
 Concen: 4.76 ug/ml
 RT: 6.554 min Scan# 1743
 Delta R.T. -0.003 min
 Lab File: AP90928a.D
 Acq: 28 Sep 2025 6:55 pm

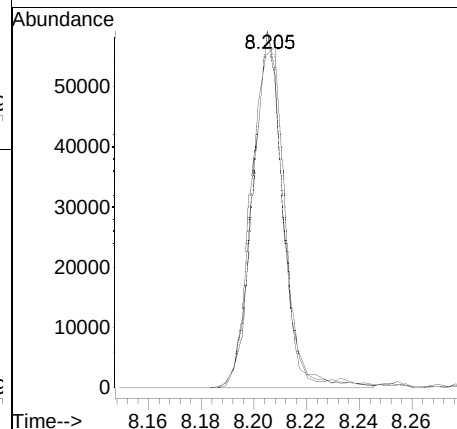
Tgt	Ion:154	Resp:	325450
Ion	Ratio	Lower	Upper
154	100		
153	43.0	32.3	48.5
152	28.9	22.5	33.7

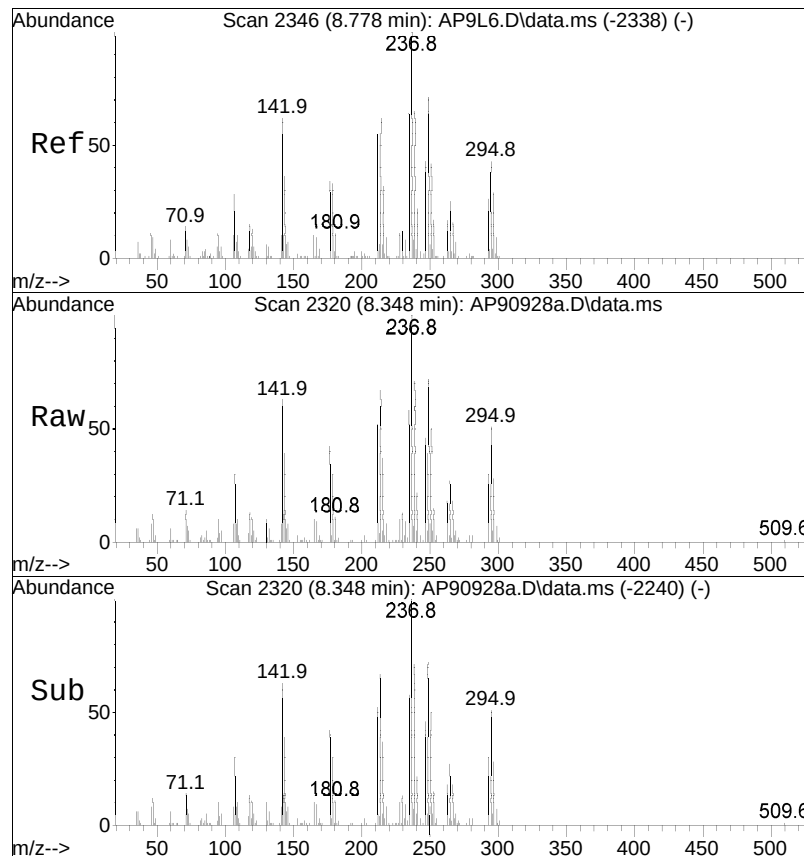




#86
 Dichloran
 Concen: 5.01 ug/ml
 RT: 8.205 min Scan# 2274
 Delta R.T. -0.003 min
 Lab File: AP90928a.D
 Acq: 28 Sep 2025 6:55 pm

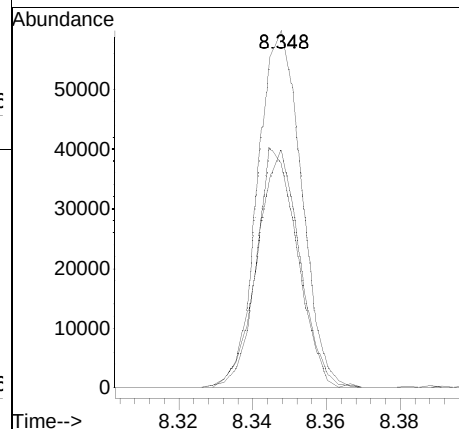
Tgt Ion	Ratio	Lower	Upper
206	100		
176	103.5	104.6	157.0#
124	103.0	130.5	195.7#

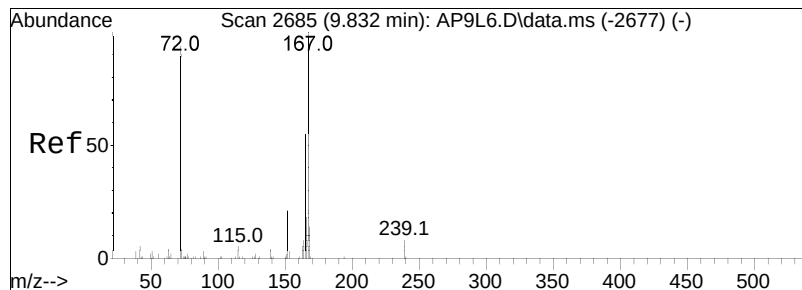




#87
 Pentachloronitrobenzene
 Concen: 5.36 ug/ml
 RT: 8.348 min Scan# 2320
 Delta R.T. -0.003 min
 Lab File: AP90928a.D
 Acq: 28 Sep 2025 6:55 pm

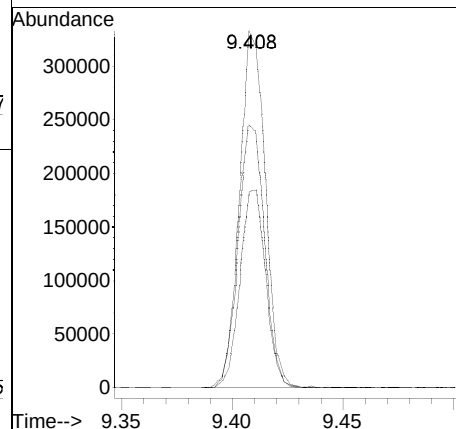
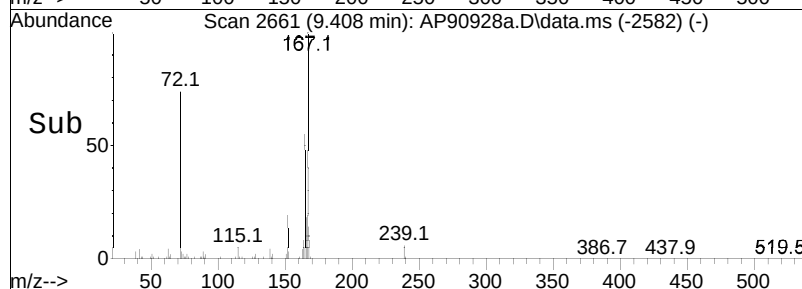
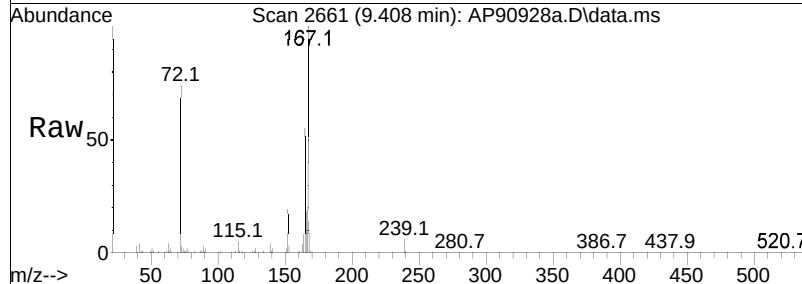
Tgt Ion	Ratio	Lower	Upper
237	100		
142	63.7	77.0	115.4#
214	64.0	58.2	87.4





#101
 Diphenamid
 Concen: 5.15 ug/ml
 RT: 9.408 min Scan# 2661
 Delta R.T. -0.006 min
 Lab File: AP90928a.D
 Acq: 28 Sep 2025 6:55 pm

Tgt Ion	Ratio	Lower	Upper
167	100		
72	75.3	109.7	164.5#
165	55.7	41.8	62.6



Manual Integration Report

Data Path : I:\8270\Dakota\250928RVT\ QMethod : FS250821RVT_Dakota.m
Data File : AP90928a.D Operator : Dakota:slr
Date Inj'd : 9/28/2025 6:55 pm Instrument : Dakota
Sample : WG2120752-4,32,,AP9 11662 Qma0810Ate : 9/28/2025 7:13 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250928RVT\
 Data File : ADP0928.D
 Acq On : 28 Sep 2025 7:18 pm
 Operator : Dakota:slr
 Sample : WG2120752-5,32,,ADP 11661 gmr0913A
 Misc : WG2120752,,ical22568
 ALS Vial : 98 Sample Multiplier: 1

Quant Time: Sep 28 19:35:37 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00
33 T	1,4-Dioxane	0.411	0.366	10.9	108	0.00
35 T	n-Decane	1.270	0.872	31.3#	86	0.00
88 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	131	0.00
89 T	Atrazine	0.486	0.432	11.1	122	0.00
102 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	135	0.00
103 T	n-Octadecane	0.368	0.238	35.3#	93	0.00
104 T	Parathion	* 5.000	5.216	-4.3	140	0.00
105 T	3,3'-Dimethylbenzidine	* 5.000	3.238	35.2#	89	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : ADP0928.D
 Acq On : 28 Sep 2025 7:18 pm
 Operator : Dakota:slr
 Sample : WG2120752-5,32,,ADP 11661 gmr0913A
 Misc : WG2120752,,ical22568
 ALS Vial : 98 Sample Multiplier: 1

Quant Time: Sep 28 19:35:37 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.158	152	63582	4.000	ug/ml	0.00
88) IS3_Acenaphthene-d10	7.083	164	164851	4.000	ug/ml	0.00
102) IS3_Phenanthrene-d10	8.491	188	396616	4.000	ug/ml #	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.283	88	29088	4.449	ug/ml#	91
35) n-Decane	4.068	57	69327	3.434	ug/ml#	28
89) Atrazine	8.301	200	88978	4.441	ug/ml#	90
103) n-Octadecane	8.515	57	117831	3.231	ug/ml#	1
104) Parathion	9.296	109	43653	5.216	ug/ml	96
105) 3,3'-Dimethylbenzidine	10.526	212	256700	3.238	ug/ml	98

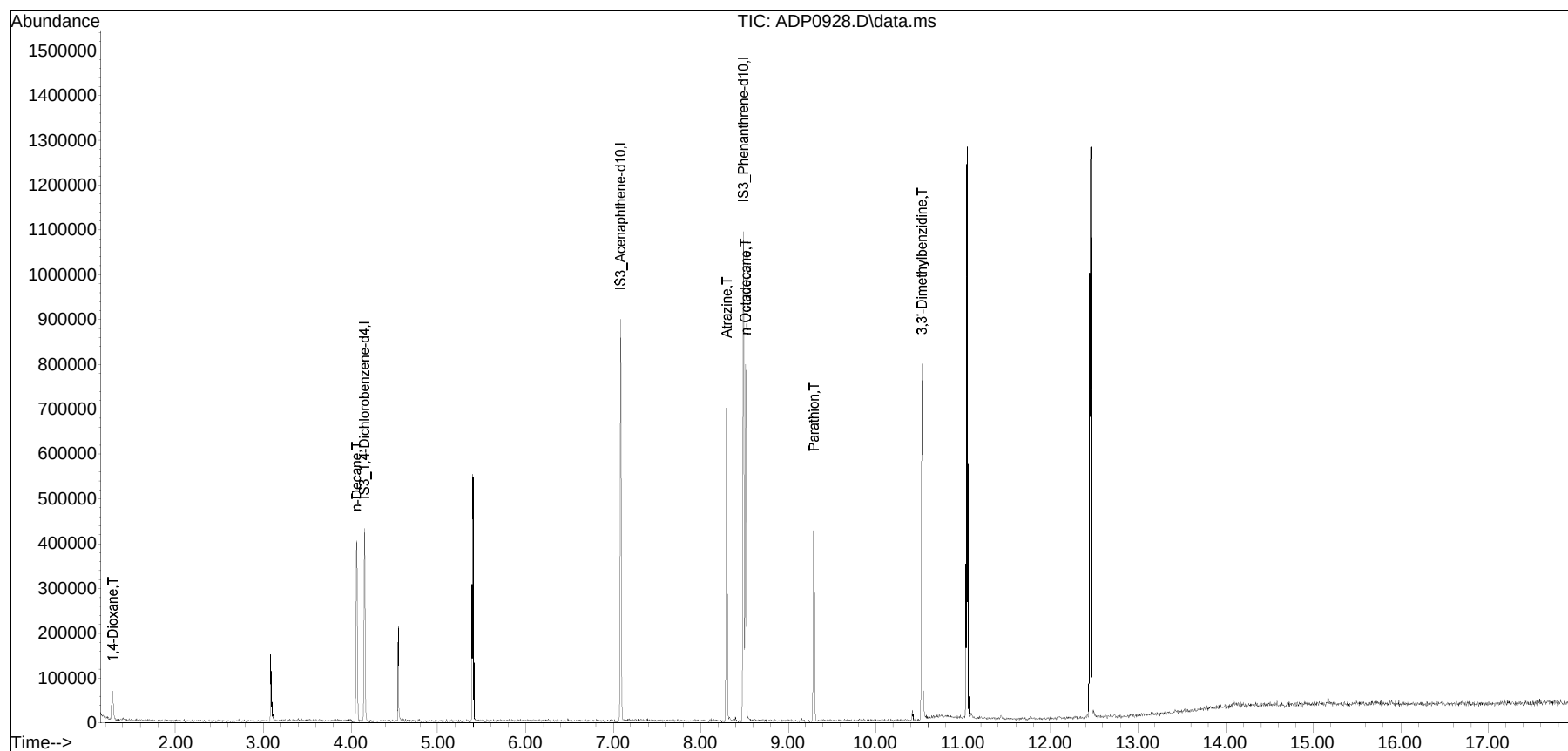
(#) = qualifier out of range (m) = manual integration (+) = signals summed

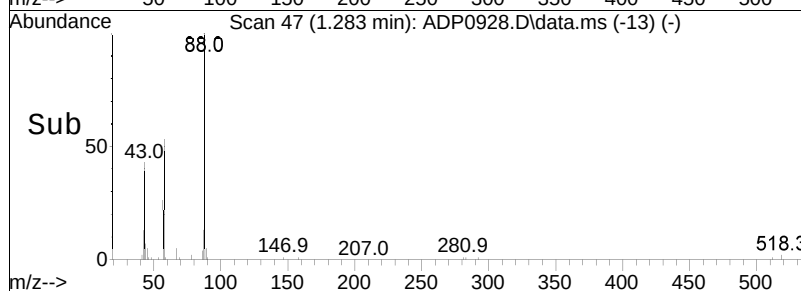
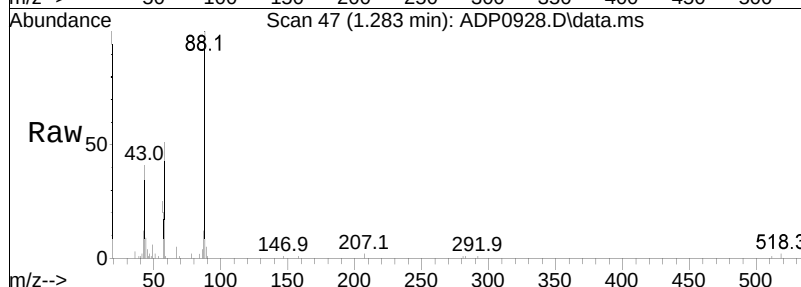
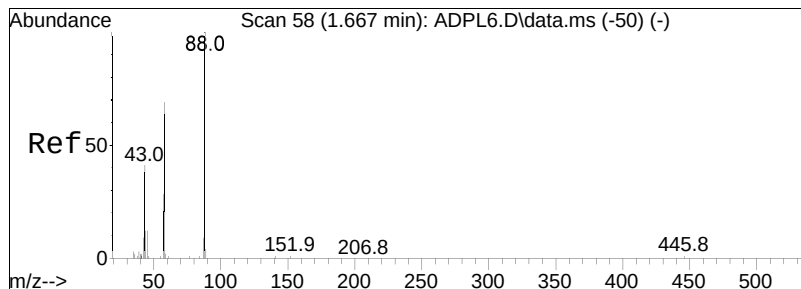
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : ADP0928.D
 Acq On : 28 Sep 2025 7:18 pm
 Operator : Dakota:slr
 Sample : WG2120752-5,32,,ADP 11661 gmr0913A
 Misc : WG2120752,,ical22568
 ALS Vial : 98 Sample Multiplier: 1

Quant Time: Sep 28 19:35:37 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

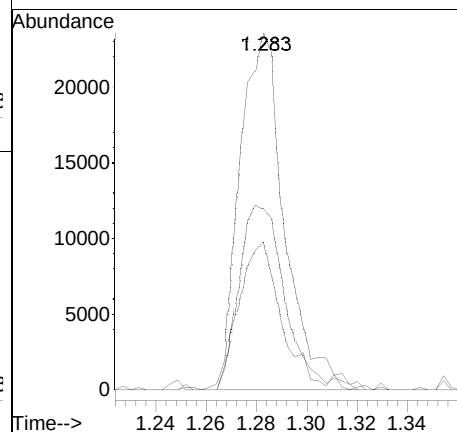
Sub List : ADPical_REV2 - ADP sublist

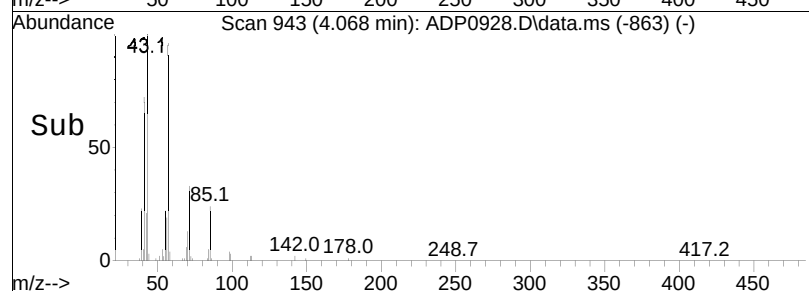
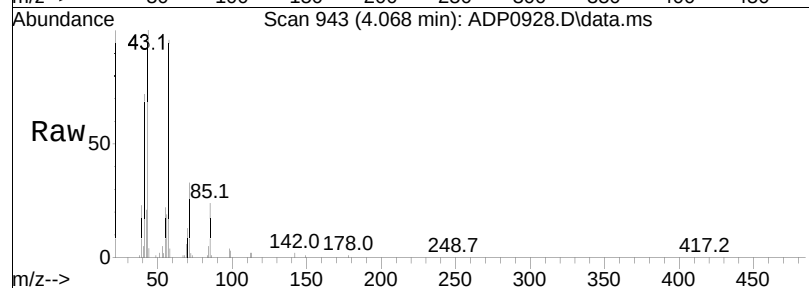
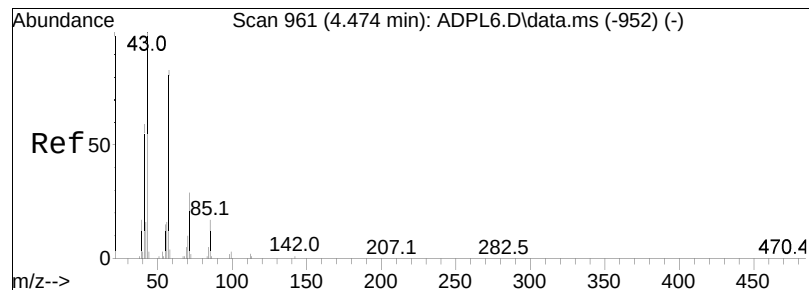




#33
 1,4-Dioxane
 Concen: 4.45 ug/ml
 RT: 1.283 min Scan# 47
 Delta R.T. 0.006 min
 Lab File: ADP0928.D
 Acq: 28 Sep 2025 7:18 pm

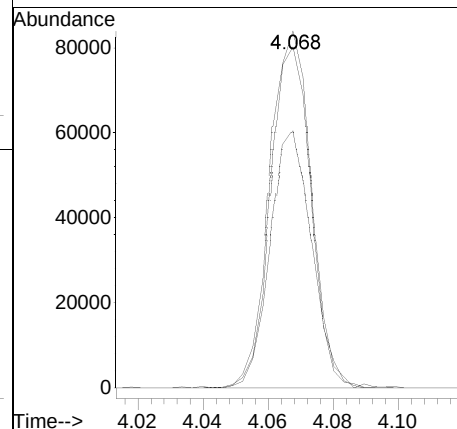
Tgt Ion:	88	Resp:	29088
Ion Ratio		Lower	Upper
88	100		
58	53.2	44.8	67.2
43	38.6	22.4	33.6#

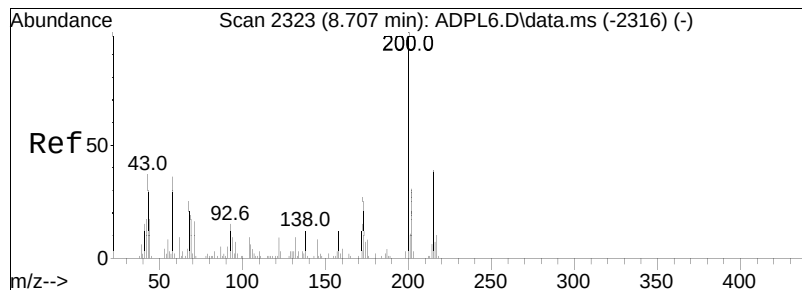




#35
 n-Decane
 Concen: 3.43 ug/ml
 RT: 4.068 min Scan# 943
 Delta R.T. -0.000 min
 Lab File: ADP0928.D
 Acq: 28 Sep 2025 7:18 pm

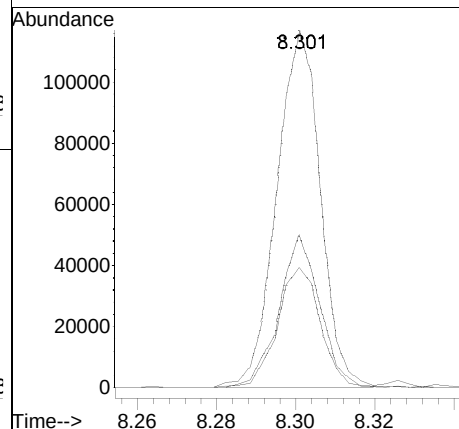
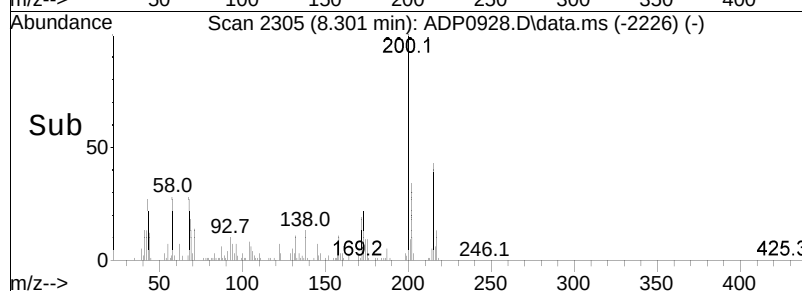
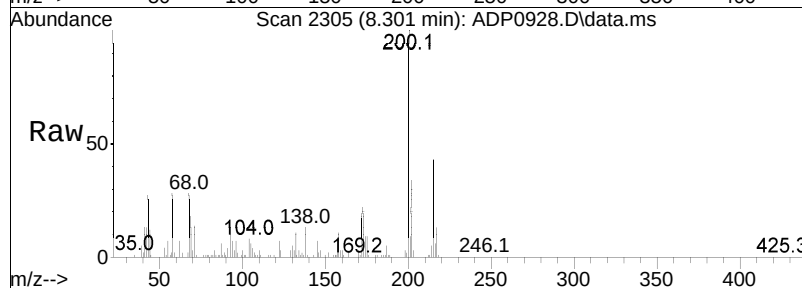
Tgt	Ion	Ratio	Resp	Lower	Upper
57	100		69327		
43	107.5	0.2		0.2#	
41	76.9	0.2		0.2#	

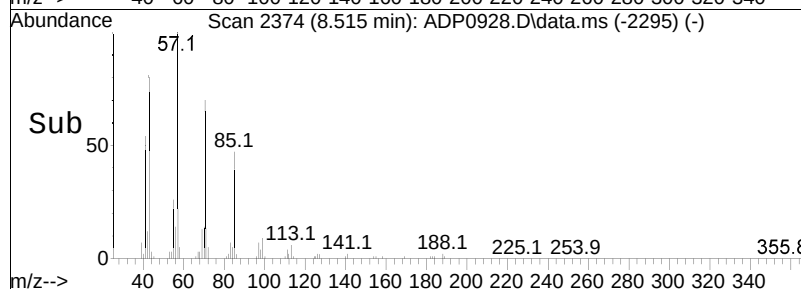
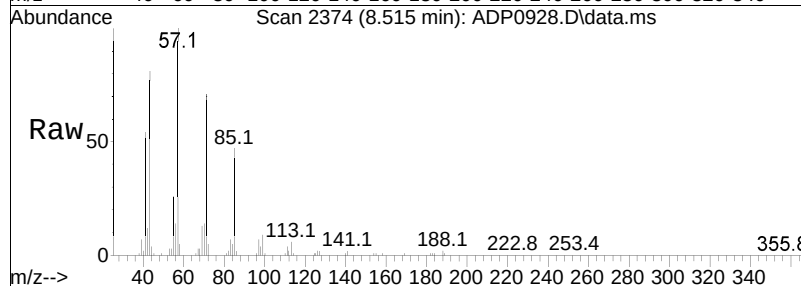
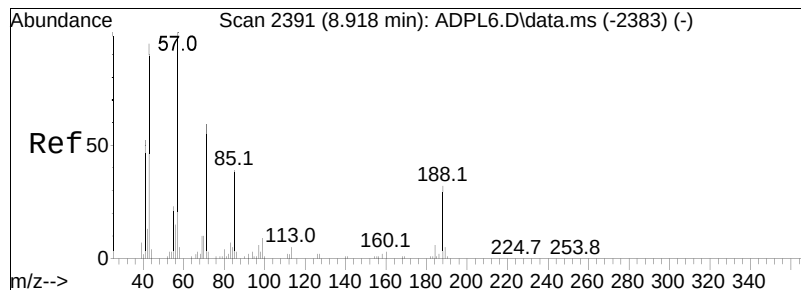




#89
 Atrazine
 Concen: 4.44 ug/ml
 RT: 8.301 min Scan# 2305
 Delta R.T. -0.003 min
 Lab File: ADP0928.D
 Acq: 28 Sep 2025 7:18 pm

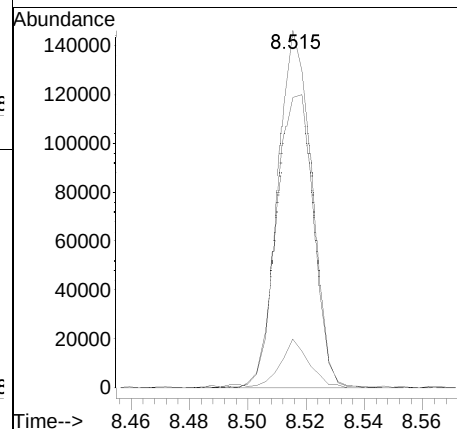
Tgt Ion	Ratio	Resp	Lower	Upper
200	100	88978		
202	33.3		25.8	38.6
215	39.9		40.2	60.4#

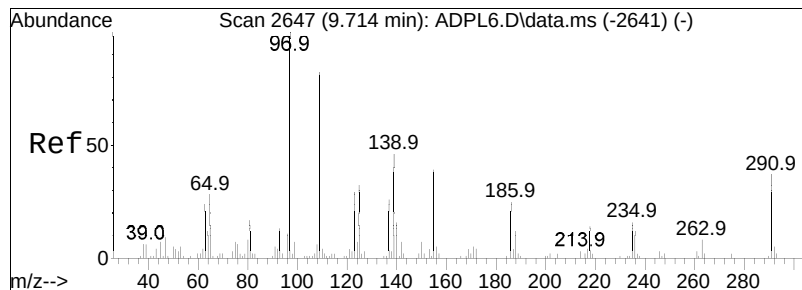




#103
 n-Octadecane
 Concen: 3.23 ug/ml
 RT: 8.515 min Scan# 2374
 Delta R.T. -0.003 min
 Lab File: ADP0928.D
 Acq: 28 Sep 2025 7:18 pm

Tgt	Ion	Ratio	Resp	Lower	Upper
57	100		117831		
43	90.0	9.0		13.6#	
70	11.5	0.2		0.2#	





#104

Parathion

Concen: 5.22 ug/ml

RT: 9.296 min Scan# 2625

Delta R.T. -0.000 min

Lab File: ADP0928.D

Acq: 28 Sep 2025 7:18 pm

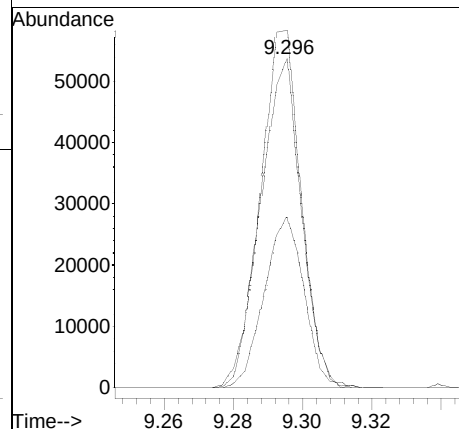
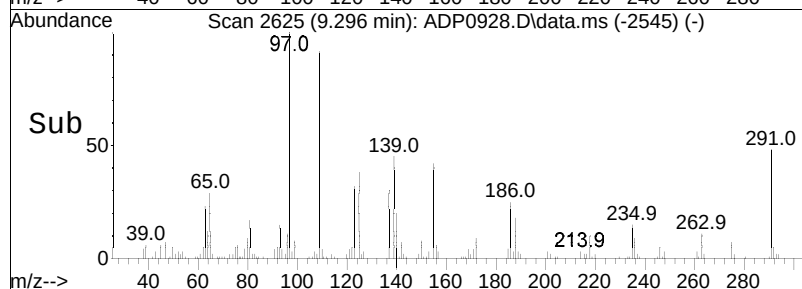
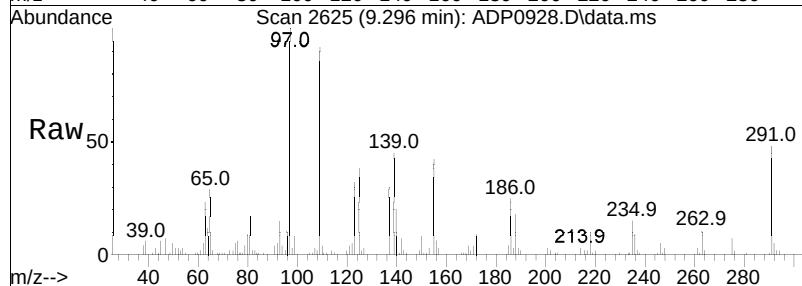
Tgt Ion:109 Resp: 43653

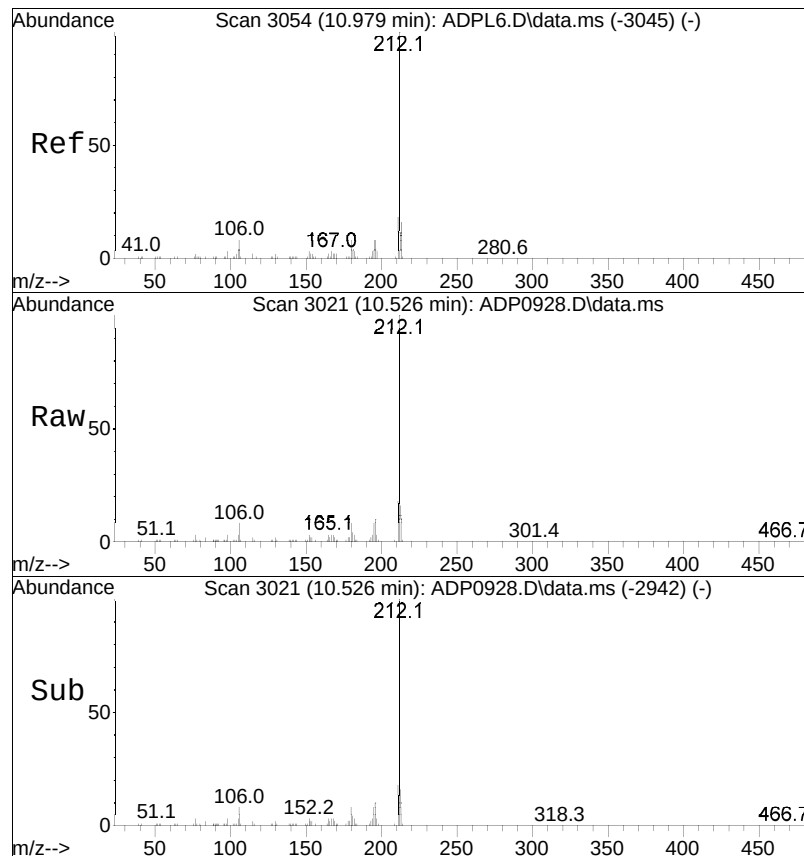
Ion Ratio Lower Upper

109 100

97 109.3 87.4 131.2

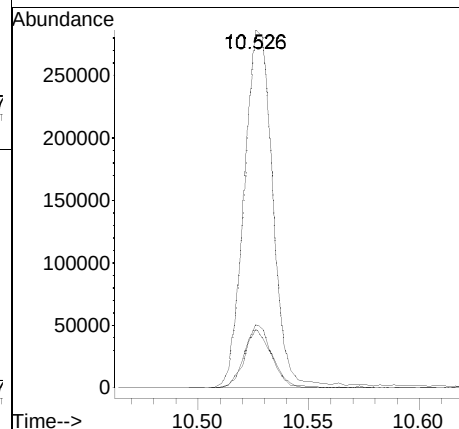
291 51.1 34.2 51.2





#105
 3,3'-Dimethylbenzidine
 Concen: 3.24 ug/ml
 RT: 10.526 min Scan# 3021
 Delta R.T. -0.003 min
 Lab File: ADP0928.D
 Acq: 28 Sep 2025 7:18 pm

Tgt Ion:	212	Resp:	256700
Ion Ratio	Lower	Upper	
212	100		
211	16.9	12.9	19.3
213	15.5	13.2	19.8



Manual Integration Report

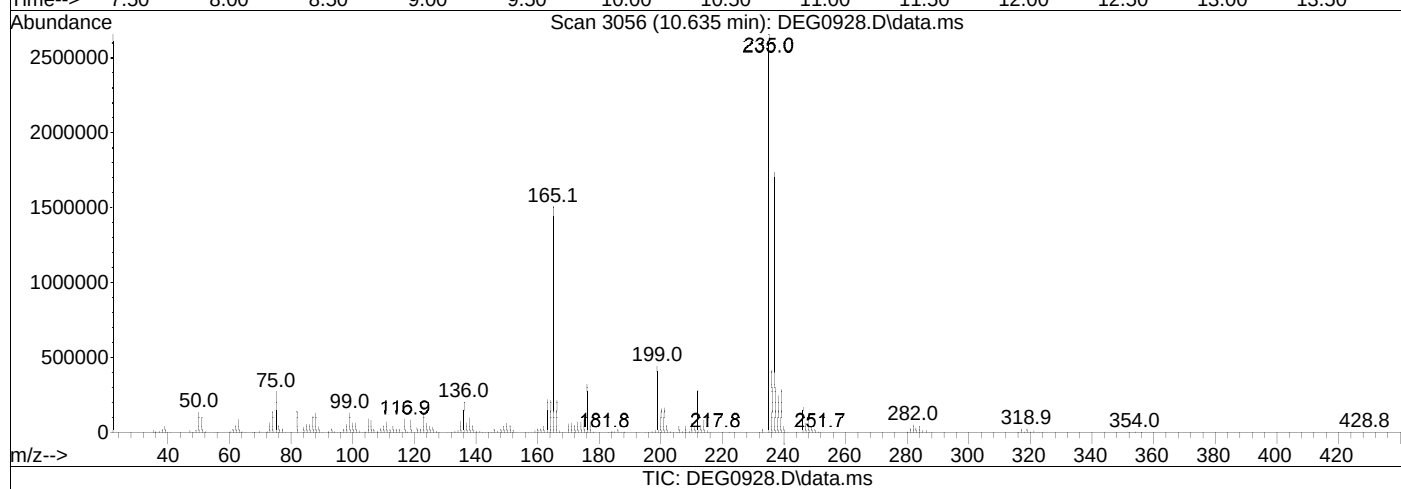
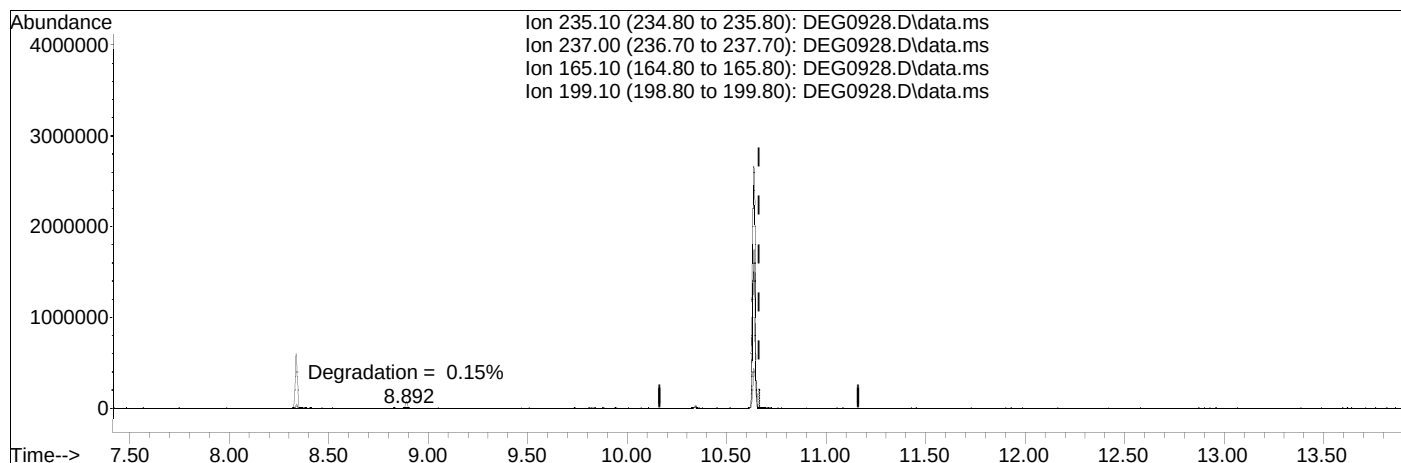
Data Path : I:\8270\Dakota\250928RVT\ QMethod : FS250821RVT_Dakota.m
Data File : ADP0928.D Operator : Dakota:slr
Date Inj'd : 9/28/2025 7:18 pm Instrument : Dakota
Sample : WG2120752-5,32,,ADP 11661 Qma001BAte : 9/28/2025 7:36 pm

There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\250928RVT\
Data File : DEG0928.D
Acq On : 28 Sep 2025 5:25 pm
Operator : Dakota:slr
Sample : WG2120752-2,32,,Degdftpp Lot # 11981
Misc : WG2120752,,ical22568
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Sep 28 17:52:59 2025
Quant Method : I:\8270\Dakota\250928RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Sep 19 19:26:17 2025
Response via : Initial Calibration



(6) DDT (T)

10.635min (-0.028) 415.50

response 2532790

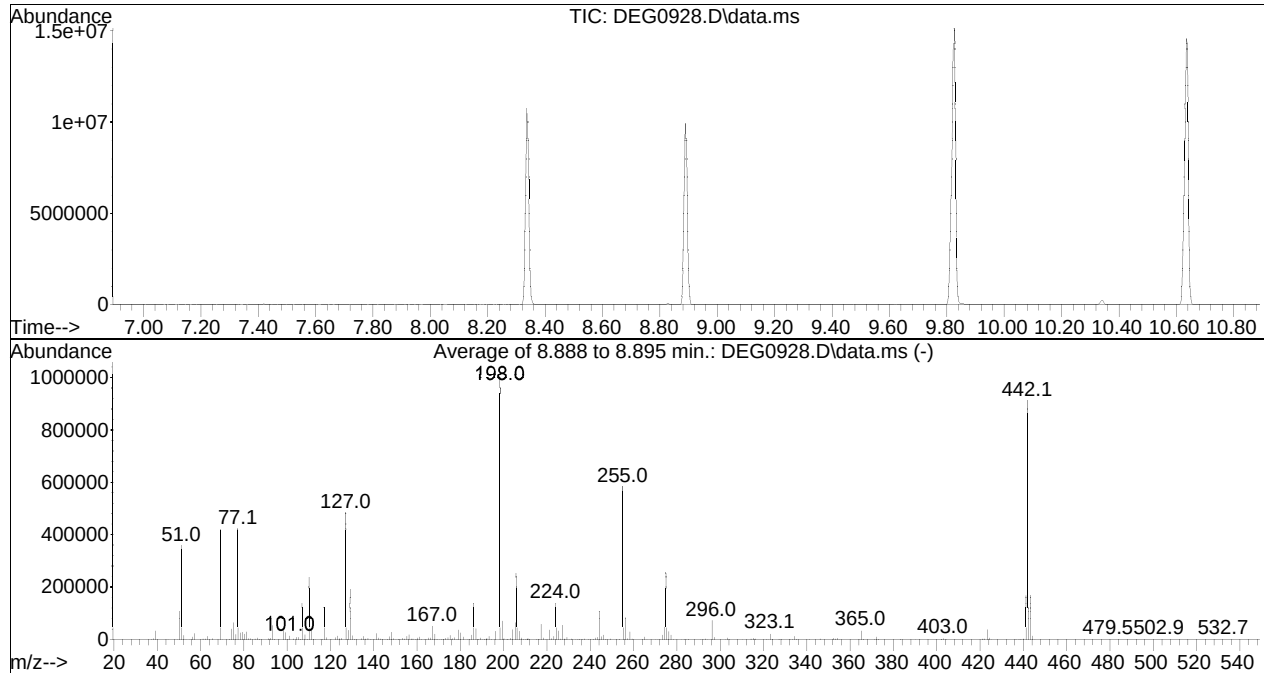
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.43
165.10	48.70	54.64
199.10	15.80	15.95

DFTPP

Data Path : I:\8270\Dakota\250928RVT\
 Data File : DEG0928.D
 Acq On : 28 Sep 2025 5:25 pm
 Operator : Dakota:slr
 Sample : WG2120752-1,32,,Degdftpp Lot # 11981
 Misc : WG2120752,,ical22568
 ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Fri Sep 26 09:17:20 2025



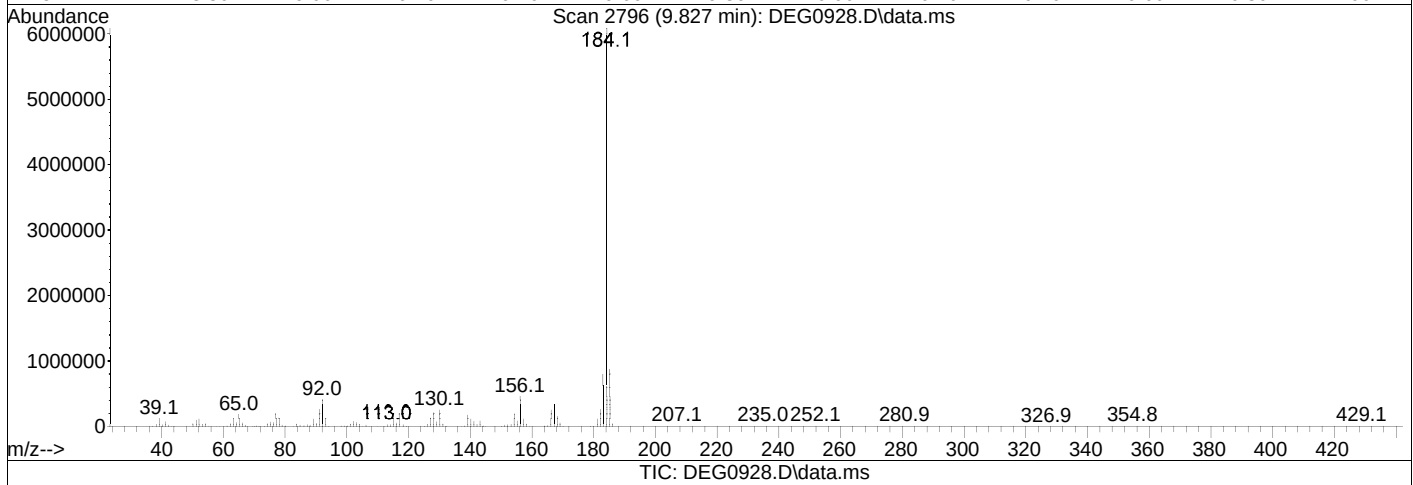
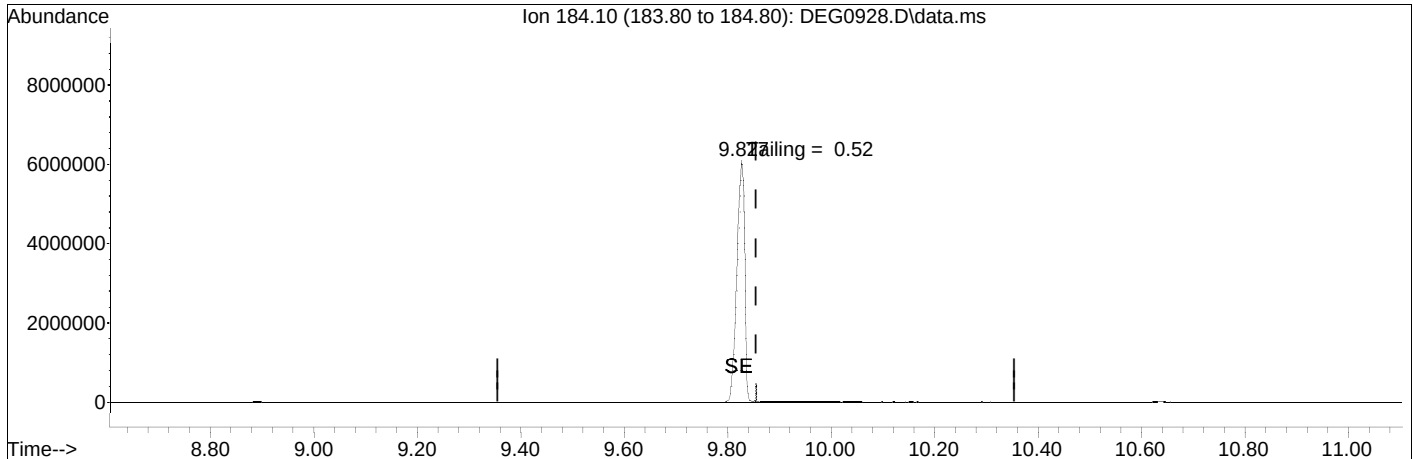
AutoFind: Scans 2494, 2495, 2496; Background Corrected with Scan 2484

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.4	356416	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	419084	PASS
70	69	0.00	2	0.4	1484	PASS
127	198	10	80	48.0	483627	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1007381	PASS
199	198	5	9	6.9	69904	PASS
275	198	10	60	25.3	254891	PASS
365	198	1	100	3.4	34064	PASS
441	442	0.01	24	18.5	168512	PASS
442	198	50	100	90.6	912853	PASS
443	442	15	24	18.7	170411	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\250928RVT\
Data File : DEG0928.D
Acq On : 28 Sep 2025 5:25 pm
Operator : Dakota:slr
Sample : WG2120752-6,32,,Degdftpp Lot # 11981
Misc : WG2120752,,ical22568
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Sep 28 17:52:59 2025
Quant Method : I:\8270\Dakota\250928RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Sep 19 19:26:17 2025
Response via : Initial Calibration



(3) Benzidine (T)

9.827min (-0.028) 584.52

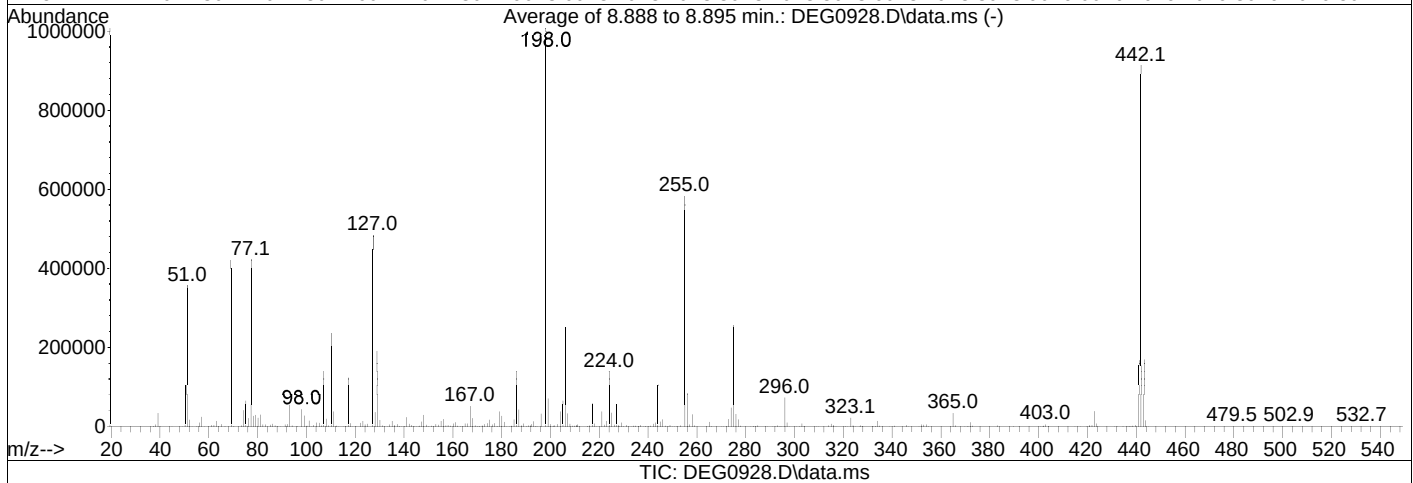
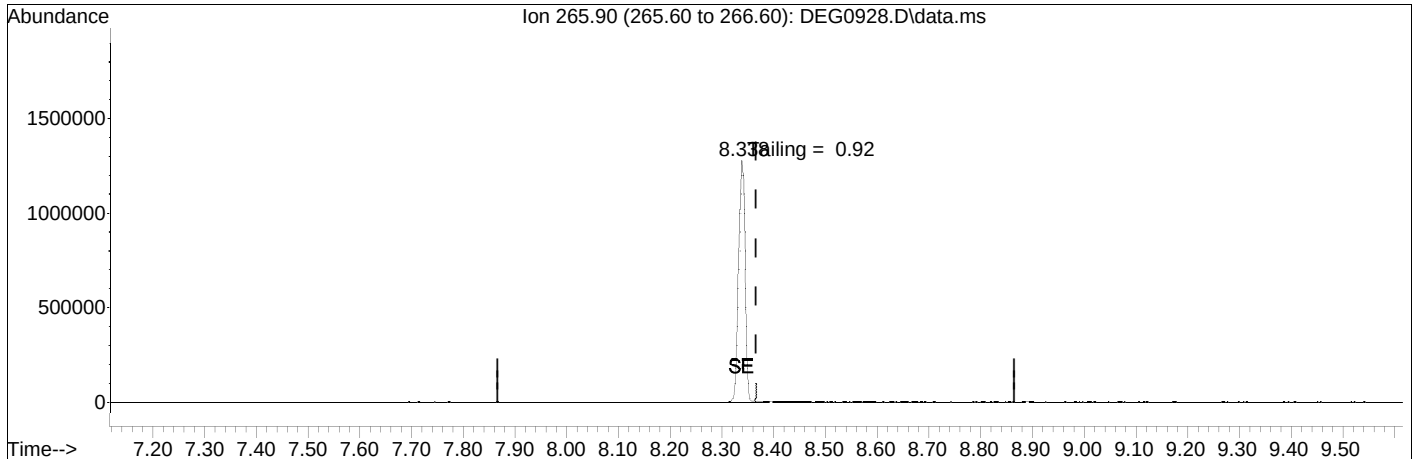
response 5950492

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\250928RVT\
Data File : DEG0928.D
Acq On : 28 Sep 2025 5:25 pm
Operator : Dakota:slr
Sample : WG2120752-7,32,,Degdftpp Lot # 11981
Misc : WG2120752,,ical22568
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Sep 28 17:52:59 2025
Quant Method : I:\8270\Dakota\250928RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Sep 19 19:26:17 2025
Response via : Initial Calibration



(1) Pentachlorophenol (T)

8.338min (-0.028) 493.85

response 1037258

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	124	0
n-Nitrosodimethylamine	0.659	0.699	-	-6.1	20	119	0
Pyridine	1.237	0.692	-	44.1*	20	68	0
2-Fluorophenol	1.032	1.016	-	1.6	20	115	0
Aniline	1.692	1.67	-	1.3	20	114	0
2-Chlorophenol	1.228	1.22	-	0.7	20	118	0
Phenol-d6	1.268	1.281	-	-1	20	117	0
Phenol	1.412	1.396	-	1.1	20	118	0
Bis(2-chloroethyl)ether	1.193	1.123	-	5.9	20	118	0
1,3-Dichlorobenzene	1.558	1.416	-	9.1	20	113	0
1,4-Dichlorobenzene	1.592	1.457	-	8.5	20	114	0
1,2-Dichlorobenzene	1.528	1.43	-	6.4	20	117	0
Benzyl alcohol	0.928	0.94	-	-1.3	20	120	0
Bis(2-chloroisopropyl)ethe	1.867	1.858	-	0.5	20	123	0
2-Methylphenol	1.04	1.058	-	-1.7	20	121	0
Hexachloroethane	0.584	0.539	-	7.7	20	114	0
n-Nitrosodi-n-propylamine	0.823	0.804	-	2.3	20	116	0
3-Methylphenol/4-Methylphe	1.102	1.152	-	-4.5	20	122	0
Nitrobenzene-d5	1.172	1.178	-	-0.5	20	121	0
Nitrobenzene	1.19	1.205	-	-1.3	20	124	0
Isophorone	2.158	2.127	-	1.4	20	118	0
2-Nitrophenol	0.494	0.619	-	-25.3*	20	146	0
2,4-Dimethylphenol	1.154	1.216	-	-5.4	20	124	0
Bis(2-chloroethoxy)methane	1.45	1.451	-	-0.1	20	123	0
2,4-Dichlorophenol	1.111	1.175	-	-5.8	20	122	0
1,2,4-Trichlorobenzene	1.448	1.329	-	8.2	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	1.054	0.954	-	9.5	20	119	0
Benzoic Acid	5	4.118	-	17.6	20	105	0
4-Chloroaniline	0.12	0.113	-	5.8	20	119	0
Hexachlorobutadiene	0.231	0.197	-	14.7	20	115	0
p-Chloro-m-cresol	0.256	0.27	-	-5.5	20	129	0
2-Methylnaphthalene	0.632	0.597	-	5.5	20	121	0
1-Methylnaphthalene	0.24	0.223	-	7.1	20	120	0
Hexachlorocyclopentadiene	0.244	0.236	-	3.3	20	125	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	125	0
2,4,5-Trichlorophenol	0.23	0.254	-	-10.4	20	134	0
2-Fluorobiphenyl	0.872	0.8	-	8.3	20	121	0
2-Chloronaphthalene	0.734	0.687	-	6.4	20	123	0
2-Nitroaniline	0.159	0.189	-	-18.9	20	146	0
1,4-Dinitrobenzene	0.077	0.101	-	-31.2*	20	165	0
1,3-Dinitrobenzene	0.093	0.112	-	-20.4*	20	150	0
Dimethyl phthalate	0.769	0.795	-	-3.4	20	130	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.089	-	1	20	126	0
2,6-Dinitrotoluene	0.131	0.168	-	-28.2*	20	146	0
1,2-Dinitrobenzene	0.06	0.078	-	-30*	20	158	0
IS1_Acenaphthene-d10	1	1	-	0	20	136	0
3-Nitroaniline	0.246	0.303	-	-23.2*	20	151	0
Acenaphthene	1.144	1.06	-	7.3	20	131	0
2,4-Dinitrophenol	5	5.306	-	-6.1	20	164	0
Dibenzofuran	1.834	1.712	-	6.7	20	129	0
2,4-Dinitrotoluene	5	5.411	-	-8.2	20	154	0
4-Nitrophenol	0.185	0.225	-	-21.6*	20	153	0
2,3,5,6-Tetrachlorophenol	0.304	0.338	-	-11.2	20	140	0
2,3,4,6-Tetrachlorophenol	0.3	0.338	-	-12.7	20	142	0
Diethyl phthalate	1.28	1.274	-	0.5	20	133	0
Fluorene	1.409	1.368	-	2.9	20	131	0
4-Chlorophenyl phenyl ethe	0.719	0.665	-	7.5	20	130	0
4-Nitroaniline	0.246	0.294	-	-19.5	20	159	0
4,6-Dinitro-o-cresol	5	6.143	-	-22.9*	20	187	0
NDPA/DPA	1.112	1.112	-	0	20	131	0
Azobenzene	1.133	1.146	-	-1.1	20	134	0
2,4,6-Tribromophenol	0.152	0.171	-	-12.5	20	141	0
4-Bromophenyl phenyl ether	0.383	0.354	-	7.6	20	127	0
Hexachlorobenzene	0.399	0.381	-	4.5	20	134	0
Pentachlorophenol	0.216	0.237	-	-9.7	20	146	0
IS1_Phenanthrene-d10	1	1	-	0	20	149	0
Phenanthrene	1.146	1.048	-	8.6	20	139	0
Anthracene	1.122	1.041	-	7.2	20	138	0
Carbazole	0.975	0.984	-	-0.9	20	143	0
Di-n-butylphthalate	1.07	1.044	-	2.4	20	136	0
Fluoranthene	1.217	1.202	-	1.2	20	142	0
Benzidine	5	4.829	-	3.4	20	147	0
Pyrene	1.292	1.283	-	0.7	20	142	0
4-Terphenyl-d14	0.865	0.85	-	1.7	20	143	0
Butyl benzyl phthalate	5	4.759	-	4.8	20	161	0
IS1_Chrysene-d12	1	1	-	0	20	167	0
Benzo(a)anthracene	1.367	1.29	-	5.6	20	159	0
3,3'-Dichlorobenzidine	0.436	0.436	-	0	20	165	0
Chrysene	1.352	1.234	-	8.7	20	158	0
Bis(2-ethylhexyl)phthalate	5	4.147	-	17.1	20	150	0
Di-n-octylphthalate	5	4.228	-	15.4	20	159	0
Benzo(b)fluoranthene	1.185	1.148	-	3.1	20	166	0
Benzo(k)fluoranthene	1.199	1.178	-	1.8	20	163	0
Benzo(a)pyrene	1.101	1.057	-	4	20	162	0
IS1_Perylene-d12	1	1	-	0	20	181	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0916
Sample No : WG2115301-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/16/25 07:02
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.14	-	-2.6	20	175	0
Dibenzo(a,h)anthracene	1.154	1.167	-	-1.1	20	172	0
Benzo(ghi)perylene	1.15	1.159	-	-0.8	20	169	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0916
 Sample No : WG2115301-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:52
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
1,4-Dioxane	0.545	0.496	-	9	20	91	0
n-Decane	1.567	1.423	-	9.2	20	87	0
IS3_Acenaphthene-d10	1	1	-	0	20	95	0
Atrazine	0.33	0.365	-	-10.6	20	103	0
IS3_Phenanthrene-d10	1	1	-	0	20	105	0
n-Octadecane	0.441	0.392	-	11.1	20	90	0
Parathion	5	5.065	-	-1.3	20	121	0
3,3'-Dimethylbenzidine	5	4.241	-	15.2	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90916A
 Sample No : WG2115301-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 08:17
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
Benzaldehyde	0.605	0.676	-	-11.7	20	115	0
Acetophenone	1.796	1.783	-	0.7	20	102	0
m-Toluidine	1.129	1.24	-	-9.8	20	114	0
2-Chloroaniline	1.545	1.593	-	-3.1	20	105	0
IS2_Naphthalene-d8	1	1	-	0	20	106	0
a-Terpineol	0.25	0.259	-	-3.6	20	106	0
3-Chloroaniline	0.117	0.124	-	-6	20	102	0
2,6-Dichlorophenol	0.264	0.308	-	-16.7	20	114	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	115	0
Caprolactam	0.125	0.131	-	-4.8	20	115	0
1,2,4,5-Tetrachlorobenzene	0.415	0.407	-	1.9	20	107	0
Biphenyl	0.948	0.945	-	0.3	20	108	0
IS2_Acenaphthene-d10	1	1	-	0	20	110	0
Dichloran	0.145	0.149	-	-2.8	20	131	0
Pentachloronitrobenzene	0.133	0.159	-	-19.5	20	128	0
IS2_Phenanthrene-d10	1	1	-	0	20	121	0
Diphenamid	0.435	0.444	-	-2.1	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
n-Nitrosodimethylamine	0.66	0.638	-	3.3	20	117	0
Pyridine	1.131	0.712	-	37*	20	74	0
2-Fluorophenol	1.106	1.161	-	-5	20	124	0
Aniline	1.738	1.626	-	6.4	20	109	0
2-Chlorophenol	1.332	1.351	-	-1.4	20	120	0
Phenol-d6	1.318	1.355	-	-2.8	20	123	0
Phenol	1.441	1.371	-	4.9	20	115	0
Bis(2-chloroethyl)ether	1.143	1.093	-	4.4	20	117	0
1,3-Dichlorobenzene	1.598	1.561	-	2.3	20	119	0
1,4-Dichlorobenzene	1.634	1.607	-	1.7	20	121	0
1,2-Dichlorobenzene	1.572	1.532	-	2.5	20	121	0
Benzyl alcohol	0.964	0.925	-	4	20	116	0
Bis(2-chloroisopropyl)ethe	1.867	1.756	-	5.9	20	115	0
2-Methylphenol	1.104	1.097	-	0.6	20	119	0
Hexachloroethane	0.602	0.61	-	-1.3	20	121	0
n-Nitrosodi-n-propylamine	0.815	0.804	-	1.3	20	117	0
3-Methylphenol/4-Methylphe	1.207	1.177	-	2.5	20	118	0
Nitrobenzene-d5	1.226	1.242	-	-1.3	20	121	0
Nitrobenzene	1.26	1.251	-	0.7	20	118	0
Isophorone	2.296	2.198	-	4.3	20	114	0
2-Nitrophenol	0.64	0.694	-	-8.4	20	128	0
2,4-Dimethylphenol	1.271	1.264	-	0.6	20	116	0
Bis(2-chloroethoxy)methane	1.546	1.501	-	2.9	20	118	0
2,4-Dichlorophenol	1.17	1.185	-	-1.3	20	118	0
1,2,4-Trichlorobenzene	1.374	1.358	-	1.2	20	121	0
IS1_Naphthalene-d8	1	1	-	0	20	122	0
Naphthalene	1.082	1.044	-	3.5	20	118	0
Benzoic Acid	5	3.799	-	24*	20	103	0
4-Chloroaniline	0.117	0.109	-	6.8	20	109	0
Hexachlorobutadiene	0.2	0.201	-	-0.5	20	122	0
p-Chloro-m-cresol	0.284	0.276	-	2.8	20	116	0
2-Methylnaphthalene	0.641	0.634	-	1.1	20	122	0
1-Methylnaphthalene	0.227	0.223	-	1.8	20	122	0
Hexachlorocyclopentadiene	0.254	0.256	-	-0.8	20	121	0
2,4,6-Trichlorophenol	0.213	0.22	-	-3.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.251	-	-5	20	121	0
2-Fluorobiphenyl	0.821	0.804	-	2.1	20	121	0
2-Chloronaphthalene	0.727	0.702	-	3.4	20	119	0
2-Nitroaniline	0.206	0.221	-	-7.3	20	120	0
1,4-Dinitrobenzene	0.097	0.098	-	-1	20	118	0
1,3-Dinitrobenzene	0.112	0.114	-	-1.8	20	116	0
Dimethyl phthalate	0.857	0.822	-	4.1	20	115	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.157	-	1.1	20	116	0
2,6-Dinitrotoluene	0.167	0.177	-	-6	20	123	0
1,2-Dinitrobenzene	0.073	0.074	-	-1.4	20	114	0
IS1_Acenaphthene-d10	1	1	-	0	20	125	0
3-Nitroaniline	0.342	0.345	-	-0.9	20	118	0
Acenaphthene	1.136	1.055	-	7.1	20	118	0
2,4-Dinitrophenol	0.166	0.119	-	28.3*	20	95	0
Dibenzofuran	1.844	1.721	-	6.7	20	119	0
2,4-Dinitrotoluene	0.385	0.399	-	-3.6	20	117	0
4-Nitrophenol	0.238	0.248	-	-4.2	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.342	-	-0.6	20	117	0
2,3,4,6-Tetrachlorophenol	0.33	0.342	-	-3.6	20	117	0
Diethyl phthalate	1.516	1.384	-	8.7	20	113	0
Fluorene	1.447	1.31	-	9.5	20	115	0
4-Chlorophenyl phenyl ethe	0.688	0.639	-	7.1	20	117	0
4-Nitroaniline	0.337	0.338	-	-0.3	20	116	0
4,6-Dinitro-o-cresol	0.214	0.199	-	7	20	114	0
NDPA/DPA	1.209	1.153	-	4.6	20	117	0
Azobenzene	1.272	1.187	-	6.7	20	113	0
2,4,6-Tribromophenol	0.194	0.204	-	-5.2	20	128	0
4-Bromophenyl phenyl ether	0.424	0.399	-	5.9	20	121	0
Hexachlorobenzene	0.475	0.451	-	5.1	20	123	0
Pentachlorophenol	0.28	0.239	-	14.6	20	109	0
IS1_Phenanthrene-d10	1	1	-	0	20	126	0
Phenanthrene	1.202	1.076	-	10.5	20	116	0
Anthracene	1.178	1.095	-	7	20	117	0
Carbazole	1.081	1.02	-	5.6	20	115	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	119	0
Fluoranthene	1.296	1.224	-	5.6	20	118	0
Benzidine	0.831	0.838	-	-0.8	20	126	0
Pyrene	1.383	1.319	-	4.6	20	119	0
4-Terphenyl-d14	0.982	0.936	-	4.7	20	123	0
Butyl benzyl phthalate	0.529	0.571	-	-7.9	20	128	0
IS1_Chrysene-d12	1	1	-	0	20	129	0
Benzo(a)anthracene	1.349	1.235	-	8.5	20	121	0
3,3'-Dichlorobenzidine	0.464	0.498	-	-7.3	20	130	0
Chrysene	1.336	1.194	-	10.6	20	120	0
Bis(2-ethylhexyl)phthalate	0.846	0.886	-	-4.7	20	126	0
Di-n-octylphthalate	1.419	1.462	-	-3	20	130	0
Benzo(b)fluoranthene	1.278	1.219	-	4.6	20	126	0
Benzo(k)fluoranthene	1.303	1.236	-	5.1	20	119	0
Benzo(a)pyrene	1.197	1.178	-	1.6	20	124	0
IS1_Perylene-d12	1	1	-	0	20	131	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ABN0917
Sample No : WG2116036-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/17/25 09:51
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.067	-	6.5	20	121	0
Dibenzo(a,h)anthracene	1.181	1.118	-	5.3	20	122	0
Benzo(ghi)perylene	1.164	1.085	-	6.8	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90917
 Sample No : WG2116036-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:13
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
Benzaldehyde	0.645	0.553	-	14.3	20	107	0
Acetophenone	1.905	1.537	-	19.3	20	101	0
m-Toluidine	1.123	1.012	-	9.9	20	103	0
2-Chloroaniline	1.724	1.451	-	15.8	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	122	0
a-Terpineol	0.267	0.217	-	18.7	20	99	0
3-Chloroaniline	0.114	0.097	-	14.9	20	96	0
2,6-Dichlorophenol	0.285	0.255	-	10.5	20	107	0
1-chloro-2-nitrobenzene	0.135	0.119	-	11.9	20	107	0
Caprolactam	0.142	0.119	-	16.2	20	98	0
1,2,4,5-Tetrachlorobenzene	0.373	0.3	-	19.6	20	100	0
Biphenyl	0.931	0.735	-	21.1*	20	99	0
IS2_Acenaphthene-d10	1	1	-	0	20	122	0
Dichloran	0.158	0.129	-	18.4	20	98	0
Pentachloronitrobenzene	0.154	0.133	-	13.6	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	119	0
Diphenamid	0.487	0.403	-	17.2	20	94	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ADP0917
 Sample No : WG2116036-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:34
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
1,4-Dioxane	0.477	0.433	-	9.2	20	118	0
n-Decane	1.449	1.281	-	11.6	20	111	0
IS3_Acenaphthene-d10	1	1	-	0	20	125	0
Atrazine	0.372	0.371	-	0.3	20	123	0
IS3_Phenanthrene-d10	1	1	-	0	20	125	0
n-Octadecane	0.48	0.416	-	13.3	20	106	0
Parathion	5	4.144	-	17.1	20	119	0
3,3'-Dimethylbenzidine	5	4.075	-	18.5	20	101	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	135	0
n-Nitrosodimethylamine	0.594	0.581	-	2.2	20	133	0
Pyridine	5	4.372	-	12.6	20	139	0
2-Fluorophenol	0.881	0.967	-	-9.8	20	145	0
Aniline	1.484	1.494	-	-0.7	20	132	0
2-Chlorophenol	1.075	1.163	-	-8.2	20	146	0
Phenol-d6	1.175	1.279	-	-8.9	20	152	0
Phenol	1.351	1.313	-	2.8	20	131	0
Bis(2-chloroethyl)ether	0.968	0.948	-	2.1	20	137	0
1,3-Dichlorobenzene	1.515	1.415	-	6.6	20	131	0
1,4-Dichlorobenzene	1.532	1.444	-	5.7	20	130	0
1,2-Dichlorobenzene	1.467	1.458	-	0.6	20	136	0
Benzyl alcohol	0.829	0.931	-	-12.3	20	152	0
Bis(2-chloroisopropyl)ethe	1.724	1.349	-	21.8*	20	110	0
2-Methylphenol	0.915	0.985	-	-7.7	20	142	0
Hexachloroethane	0.539	0.504	-	6.5	20	131	0
n-Nitrosodi-n-propylamine	0.797	0.804	-	-0.9	20	139	0
3-Methylphenol/4-Methylphe	1.028	1.089	-	-5.9	20	147	0
Nitrobenzene-d5	1.117	1.136	-	-1.7	20	137	0
Nitrobenzene	1.128	1.171	-	-3.8	20	136	0
Isophorone	2.059	2.106	-	-2.3	20	135	0
2-Nitrophenol	0.53	0.609	-	-14.9	20	162	0
2,4-Dimethylphenol	1.061	1.17	-	-10.3	20	144	0
Bis(2-chloroethoxy)methane	1.369	1.283	-	6.3	20	128	0
2,4-Dichlorophenol	1.189	1.289	-	-8.4	20	150	0
1,2,4-Trichlorobenzene	1.494	1.478	-	1.1	20	134	0
IS1_Naphthalene-d8	1	1	-	0	20	139	0
Naphthalene	0.993	0.985	-	0.8	20	142	0
Benzoic Acid	5	8.053	-	-61.1*	20	283	0
4-Chloroaniline	0.127	0.109	-	14.2	20	129	0
Hexachlorobutadiene	0.27	0.221	-	18.1	20	118	0
p-Chloro-m-cresol	0.263	0.288	-	-9.5	20	154	0
2-Methylnaphthalene	0.656	0.673	-	-2.6	20	145	0
1-Methylnaphthalene	0.245	0.238	-	2.9	20	144	0
Hexachlorocyclopentadiene	0.306	0.291	-	4.9	20	129	0
2,4,6-Trichlorophenol	0.28	0.279	-	0.4	20	139	0
2,4,5-Trichlorophenol	0.31	0.341	-	-10	20	149	0
2-Fluorobiphenyl	0.987	0.947	-	4.1	20	136	0
2-Chloronaphthalene	0.81	0.81	-	0	20	141	0
2-Nitroaniline	0.204	0.233	-	-14.2	20	162	0
1,4-Dinitrobenzene	0.103	0.114	-	-10.7	20	156	0
1,3-Dinitrobenzene	0.117	0.128	-	-9.4	20	148	0
Dimethyl phthalate	1.014	0.999	-	1.5	20	136	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.314	-	-3.8	20	141	0
2,6-Dinitrotoluene	0.199	0.203	-	-2	20	144	0
1,2-Dinitrobenzene	0.074	0.076	-	-2.7	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	138	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	153	0
Acenaphthene	1.035	0.972	-	6.1	20	139	0
2,4-Dinitrophenol	0.158	0.137	-	13.3	20	128	0
Dibenzofuran	1.815	1.719	-	5.3	20	140	0
2,4-Dinitrotoluene	0.369	0.392	-	-6.2	20	145	0
4-Nitrophenol	0.204	0.219	-	-7.4	20	149	0
2,3,5,6-Tetrachlorophenol	0.37	0.42	-	-13.5	20	157	0
2,3,4,6-Tetrachlorophenol	0.387	0.397	-	-2.6	20	146	0
Diethyl phthalate	1.394	1.388	-	0.4	20	140	0
Fluorene	1.408	1.383	-	1.8	20	144	0
4-Chlorophenyl phenyl ethe	0.76	0.694	-	8.7	20	131	0
4-Nitroaniline	0.27	0.308	-	-14.1	20	159	0
4,6-Dinitro-o-cresol	0.236	0.231	-	2.1	20	141	0
NDPA/DPA	1.224	1.243	-	-1.6	20	146	0
Azobenzene	1.155	1.104	-	4.4	20	133	0
2,4,6-Tribromophenol	0.229	0.286	-	-24.9*	20	185	0
4-Bromophenyl phenyl ether	0.488	0.436	-	10.7	20	136	0
Hexachlorobenzene	0.564	0.548	-	2.8	20	143	0
Pentachlorophenol	0.306	0.338	-	-10.5	20	159	0
IS1_Phenanthrene-d10	1	1	-	0	20	140	0
Phenanthrene	1.097	1.023	-	6.7	20	140	0
Anthracene	1.058	1.024	-	3.2	20	140	0
Carbazole	0.981	0.972	-	0.9	20	143	0
Di-n-butylphthalate	1.04	1.069	-	-2.8	20	141	0
Fluoranthene	1.319	1.27	-	3.7	20	138	0
Benzidine	0.744	0.863	-	-16	20	164	0
Pyrene	1.411	1.339	-	5.1	20	135	0
4-Terphenyl-d14	1.035	0.972	-	6.1	20	133	0
Butyl benzyl phthalate	0.461	0.484	-	-5	20	152	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.167	-	4	20	129	0
3,3'-Dichlorobenzidine	0.438	0.518	-	-18.3	20	149	0
Chrysene	1.234	1.188	-	3.7	20	134	0
Bis(2-ethylhexyl)phthalate	0.579	0.7	-	-20.9*	20	141	0
Di-n-octylphthalate	1.024	1.181	-	-15.3	20	145	0
Benzo(b)fluoranthene	1.227	1.307	-	-6.5	20	142	0
Benzo(k)fluoranthene	1.227	1.307	-	-6.5	20	138	0
Benzo(a)pyrene	1.119	1.28	-	-14.4	20	147	0
IS1_Perylene-d12	1	1	-	0	20	139	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Calibration Date : 09/17/25 10:42
Lab File ID : ABN0917	Init. Calib. Date(s) : 08/20/25 08/20/25
Sample No : WG2116041-3	Init. Calib. Times : 12:47 23:44
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.144	-	-2	20	144	0
Dibenzo(a,h)anthracene	1.132	1.16	-	-2.5	20	145	0
Benzo(ghi)perylene	1.145	1.14	-	0.4	20	143	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90917
 Sample No : WG2116041-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 11:05
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	133	0
Benzaldehyde	0.534	0.502	-	6	20	136	0
Acetophenone	1.663	1.348	-	18.9	20	118	0
m-Toluidine	0.957	0.942	-	1.6	20	131	0
2-Chloroaniline	1.447	1.328	-	8.2	20	126	0
IS2_Naphthalene-d8	1	1	-	0	20	141	0
a-Terpineol	0.245	0.191	-	22*	20	116	0
3-Chloroaniline	0.122	0.099	-	18.9	20	121	0
2,6-Dichlorophenol	0.33	0.301	-	8.8	20	134	0
1-chloro-2-nitrobenzene	0.135	0.114	-	15.6	20	125	0
Caprolactam	0.128	0.101	-	21.1*	20	118	0
1,2,4,5-Tetrachlorobenzene	0.495	0.377	-	23.8*	20	115	0
Biphenyl	1.02	0.84	-	17.6	20	124	0
IS2_Acenaphthene-d10	1	1	-	0	20	142	0
Dichloran	0.199	0.145	-	27.1*	20	118	0
Pentachloronitrobenzene	0.197	0.151	-	23.4*	20	117	0
IS2_Phenanthrene-d10	1	1	-	0	20	144	0
Diphenamid	0.486	0.4	-	17.7	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Calibration Date : 09/17/25 11:27
Lab File ID : ADP0917	Init. Calib. Date(s) : 08/20/25 08/20/25
Sample No : WG2116041-5	Init. Calib. Times : 12:47 23:44
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	134	0
1,4-Dioxane	0.411	0.375	-	8.8	20	125	0
n-Decane	1.27	0.912	-	28.2*	20	102	0
IS3_Acenaphthene-d10	1	1	-	0	20	146	0
Atrazine	0.486	0.418	-	14	20	132	0
IS3_Phenanthrene-d10	1	1	-	0	20	148	0
n-Octadecane	0.368	0.268	-	27.2*	20	114	0
Parathion	5	4.91	-	1.8	20	144	0
3,3'-Dimethylbenzidine	5	3.277	-	34.5*	20	99	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
n-Nitrosodimethylamine	0.66	0.8	-	-21.2*	20	133	0
Pyridine	1.131	0.872	-	22.9*	20	82	0
2-Fluorophenol	1.106	1.244	-	-12.5	20	120	0
Aniline	1.738	1.633	-	6	20	99	0
2-Chlorophenol	1.332	1.386	-	-4.1	20	111	0
Phenol-d6	1.318	1.377	-	-4.5	20	113	0
Phenol	1.441	1.406	-	2.4	20	107	0
Bis(2-chloroethyl)ether	1.143	1.104	-	3.4	20	106	0
1,3-Dichlorobenzene	1.598	1.574	-	1.5	20	108	0
1,4-Dichlorobenzene	1.634	1.577	-	3.5	20	107	0
1,2-Dichlorobenzene	1.572	1.527	-	2.9	20	108	0
Benzyl alcohol	0.964	0.913	-	5.3	20	103	0
Bis(2-chloroisopropyl)ethe	1.867	1.527	-	18.2	20	90	0
2-Methylphenol	1.104	1.083	-	1.9	20	106	0
Hexachloroethane	0.602	0.581	-	3.5	20	104	0
n-Nitrosodi-n-propylamine	0.815	0.734	-	9.9	20	96	0
3-Methylphenol/4-Methylphe	1.207	1.129	-	6.5	20	102	0
Nitrobenzene-d5	1.226	1.172	-	4.4	20	103	0
Nitrobenzene	1.26	1.161	-	7.9	20	99	0
Isophorone	2.296	2.205	-	4	20	104	0
2-Nitrophenol	0.64	0.742	-	-15.9	20	124	0
2,4-Dimethylphenol	1.271	1.332	-	-4.8	20	110	0
Bis(2-chloroethoxy)methane	1.546	1.517	-	1.9	20	108	0
2,4-Dichlorophenol	1.17	1.274	-	-8.9	20	115	0
1,2,4-Trichlorobenzene	1.374	1.414	-	-2.9	20	114	0
IS1_Naphthalene-d8	1	1	-	0	20	114	0
Naphthalene	1.082	1.021	-	5.6	20	108	0
Benzoic Acid	5	3.814	-	23.7*	20	97	0
4-Chloroaniline	0.117	0.105	-	10.3	20	97	0
Hexachlorobutadiene	0.2	0.205	-	-2.5	20	116	0
p-Chloro-m-cresol	0.284	0.292	-	-2.8	20	115	0
2-Methylnaphthalene	0.641	0.661	-	-3.1	20	119	0
1-Methylnaphthalene	0.227	0.228	-	-0.4	20	116	0
Hexachlorocyclopentadiene	0.254	0.278	-	-9.4	20	123	0
2,4,6-Trichlorophenol	0.213	0.237	-	-11.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.273	-	-14.2	20	123	0
2-Fluorobiphenyl	0.821	0.835	-	-1.7	20	117	0
2-Chloronaphthalene	0.727	0.738	-	-1.5	20	116	0
2-Nitroaniline	0.206	0.234	-	-13.6	20	119	0
1,4-Dinitrobenzene	0.097	0.107	-	-10.3	20	120	0
1,3-Dinitrobenzene	0.112	0.125	-	-11.6	20	119	0
Dimethyl phthalate	0.857	0.884	-	-3.2	20	116	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.213	-	-3.7	20	114	0
2,6-Dinitrotoluene	0.167	0.185	-	-10.8	20	120	0
1,2-Dinitrobenzene	0.073	0.081	-	-11	20	117	0
IS1_Acenaphthene-d10	1	1	-	0	20	121	0
3-Nitroaniline	0.342	0.341	-	0.3	20	114	0
Acenaphthene	1.136	1.069	-	5.9	20	116	0
2,4-Dinitrophenol	0.166	0.15	-	9.6	20	115	0
Dibenzofuran	1.844	1.734	-	6	20	116	0
2,4-Dinitrotoluene	0.385	0.411	-	-6.8	20	117	0
4-Nitrophenol	0.238	0.256	-	-7.6	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.362	-	-6.5	20	120	0
2,3,4,6-Tetrachlorophenol	0.33	0.35	-	-6.1	20	116	0
Diethyl phthalate	1.516	1.437	-	5.2	20	114	0
Fluorene	1.447	1.338	-	7.5	20	114	0
4-Chlorophenyl phenyl ethe	0.688	0.66	-	4.1	20	117	0
4-Nitroaniline	0.337	0.34	-	-0.9	20	113	0
4,6-Dinitro-o-cresol	0.214	0.234	-	-9.3	20	130	0
NDPA/DPA	1.209	1.152	-	4.7	20	113	0
Azobenzene	1.272	1.181	-	7.2	20	109	0
2,4,6-Tribromophenol	0.194	0.212	-	-9.3	20	129	0
4-Bromophenyl phenyl ether	0.424	0.4	-	5.7	20	118	0
Hexachlorobenzene	0.475	0.454	-	4.4	20	120	0
Pentachlorophenol	0.28	0.249	-	11.1	20	110	0
IS1_Phenanthrene-d10	1	1	-	0	20	124	0
Phenanthrene	1.202	1.074	-	10.6	20	114	0
Anthracene	1.178	1.096	-	7	20	115	0
Carbazole	1.081	1.014	-	6.2	20	112	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	117	0
Fluoranthene	1.296	1.221	-	5.8	20	116	0
Benzidine	0.831	0.817	-	1.7	20	121	0
Pyrene	1.383	1.316	-	4.8	20	117	0
4-Terphenyl-d14	0.982	0.938	-	4.5	20	121	0
Butyl benzyl phthalate	0.529	0.561	-	-6	20	123	0
IS1_Chrysene-d12	1	1	-	0	20	125	0
Benzo(a)anthracene	1.349	1.25	-	7.3	20	119	0
3,3'-Dichlorobenzidine	0.464	0.508	-	-9.5	20	129	0
Chrysene	1.336	1.2	-	10.2	20	117	0
Bis(2-ethylhexyl)phthalate	0.846	0.865	-	-2.2	20	120	0
Di-n-octylphthalate	1.419	1.473	-	-3.8	20	127	0
Benzo(b)fluoranthene	1.278	1.279	-	-0.1	20	129	0
Benzo(k)fluoranthene	1.303	1.202	-	7.8	20	113	0
Benzo(a)pyrene	1.197	1.189	-	0.7	20	121	0
IS1_Perylene-d12	1	1	-	0	20	130	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ABN0918
Sample No : WG2116472-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/18/25 07:46
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.09	-	4.5	20	123	0
Dibenzo(a,h)anthracene	1.181	1.14	-	3.5	20	124	0
Benzo(ghi)perylene	1.164	1.093	-	6.1	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90918
 Sample No : WG2116472-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 08:07
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	119	0
Benzaldehyde	0.645	0.577	-	10.5	20	109	0
Acetophenone	1.905	1.506	-	20.9*	20	96	0
m-Toluidine	1.123	1.023	-	8.9	20	101	0
2-Chloroaniline	1.724	1.445	-	16.2	20	98	0
IS2_Naphthalene-d8	1	1	-	0	20	120	0
a-Terpineol	0.267	0.21	-	21.3*	20	94	0
3-Chloroaniline	0.114	0.098	-	14	20	95	0
2,6-Dichlorophenol	0.285	0.252	-	11.6	20	104	0
1-chloro-2-nitrobenzene	0.135	0.121	-	10.4	20	106	0
Caprolactam	0.142	0.115	-	19	20	93	0
1,2,4,5-Tetrachlorobenzene	0.373	0.315	-	15.5	20	104	0
Biphenyl	0.931	0.74	-	20.5*	20	98	0
IS2_Acenaphthene-d10	1	1	-	0	20	121	0
Dichloran	0.158	0.147	-	7	20	111	0
Pentachloronitrobenzene	0.154	0.147	-	4.5	20	109	0
IS2_Phenanthrene-d10	1	1	-	0	20	122	0
Diphenamid	0.487	0.42	-	13.8	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ADP0918
 Sample No : WG2116472-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 08:29
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	126	0
1,4-Dioxane	0.477	0.416	-	12.8	20	116	0
n-Decane	1.449	1.28	-	11.7	20	113	0
IS3_Acenaphthene-d10	1	1	-	0	20	128	0
Atrazine	0.372	0.384	-	-3.2	20	131	0
IS3_Phenanthrene-d10	1	1	-	0	20	130	0
n-Octadecane	0.48	0.426	-	11.2	20	113	0
Parathion	5	4.37	-	12.6	20	132	0
3,3'-Dimethylbenzidine	5	3.904	-	21.9*	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
n-Nitrosodimethylamine	0.792	0.687	-	13.3	20	83	0
Pyridine	1.349	0.723	-	46.4*	20	55	0
2-Fluorophenol	1.105	1.046	-	5.3	20	89	0
Aniline	5	3.882	-	22.4*	20	83	0
2-Chlorophenol	1.287	1.18	-	8.3	20	85	0
Phenol-d6	1.428	1.281	-	10.3	20	83	0
Phenol	1.581	1.444	-	8.7	20	87	0
Bis(2-chloroethyl)ether	1.319	1.125	-	14.7	20	84	0
1,3-Dichlorobenzene	1.573	1.402	-	10.9	20	88	0
1,4-Dichlorobenzene	1.611	1.427	-	11.4	20	87	0
1,2-Dichlorobenzene	1.557	1.381	-	11.3	20	87	0
Benzyl alcohol	1.122	0.955	-	14.9	20	82	0
Bis(2-chloroisopropyl)ethe	2.148	1.727	-	19.6	20	78	0
2-Methylphenol	1.155	1.052	-	8.9	20	85	0
Hexachloroethane	0.596	0.511	-	14.3	20	84	0
n-Nitrosodi-n-propylamine	1.032	0.807	-	21.8*	20	75	0
3-Methylphenol/4-Methylphe	1.27	1.141	-	10.2	20	86	0
Nitrobenzene-d5	1.354	1.239	-	8.5	20	86	0
Nitrobenzene	1.405	1.24	-	11.7	20	84	0
Isophorone	2.849	2.221	-	22*	20	73	0
2-Nitrophenol	5	4.382	-	12.4	20	100	0
2,4-Dimethylphenol	1.51	1.236	-	18.1	20	80	0
Bis(2-chloroethoxy)methane	1.807	1.522	-	15.8	20	80	0
2,4-Dichlorophenol	1.335	1.192	-	10.7	20	86	0
1,2,4-Trichlorobenzene	1.539	1.35	-	12.3	20	87	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.063	0.98	-	7.8	20	85	0
Benzoic Acid	5	3.085	-	38.3*	20	48	0
4-Chloroaniline	0.144	0.127	-	11.8	20	79	0
Hexachlorobutadiene	0.253	0.232	-	8.3	20	85	0
p-Chloro-m-cresol	0.329	0.283	-	14	20	76	0
2-Methylnaphthalene	0.674	0.628	-	6.8	20	85	0
1-Methylnaphthalene	0.269	0.228	-	15.2	20	79	0
Hexachlorocyclopentadiene	5	4.52	-	9.6	20	90	0
2,4,6-Trichlorophenol	5	4.244	-	15.1	20	86	0
2,4,5-Trichlorophenol	5	4.237	-	15.3	20	80	0
2-Fluorobiphenyl	0.927	0.839	-	9.5	20	80	0
2-Chloronaphthalene	0.786	0.715	-	9	20	82	0
2-Nitroaniline	5	4.043	-	19.1	20	85	0
1,4-Dinitrobenzene	0.128	0.106	-	17.2	20	85	0
1,3-Dinitrobenzene	0.145	0.125	-	13.8	20	89	0
Dimethyl phthalate	0.996	0.9	-	9.6	20	78	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.282	1.189	-	7.3	20	79	0
2,6-Dinitrotoluene	5	4.107	-	17.9	20	82	0
1,2-Dinitrobenzene	0.094	0.084	-	10.6	20	90	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	5	4.254	-	14.9	20	80	0
Acenaphthene	1.102	1.024	-	7.1	20	81	0
2,4-Dinitrophenol	5	3.852	-	23*	20	72	0
Dibenzofuran	1.833	1.733	-	5.5	20	80	0
2,4-Dinitrotoluene	5	4.624	-	7.5	20	88	0
4-Nitrophenol	5	4.252	-	15	20	76	0
2,3,5,6-Tetrachlorophenol	5	4.361	-	12.8	20	82	0
2,3,4,6-Tetrachlorophenol	5	4.288	-	14.2	20	78	0
Diethyl phthalate	1.565	1.414	-	9.6	20	75	0
Fluorene	1.489	1.373	-	7.8	20	78	0
4-Chlorophenyl phenyl ethe	0.783	0.711	-	9.2	20	80	0
4-Nitroaniline	5	4.242	-	15.2	20	78	0
4,6-Dinitro-o-cresol	5	4.413	-	11.7	20	85	0
NDPA/DPA	1.246	1.19	-	4.5	20	80	0
Azobenzene	1.371	1.235	-	9.9	20	72	0
2,4,6-Tribromophenol	0.254	0.244	-	3.9	20	83	0
4-Bromophenyl phenyl ether	0.512	0.46	-	10.2	20	77	0
Hexachlorobenzene	0.607	0.541	-	10.9	20	79	0
Pentachlorophenol	5	4.673	-	6.5	20	91	0
IS1_Phenanthrene-d10	1	1	-	0	20	92	0
Phenanthrene	1.099	1.039	-	5.5	20	80	0
Anthracene	1.091	1.061	-	2.7	20	80	0
Carbazole	0.993	0.963	-	3	20	78	0
Di-n-butylphthalate	1.164	1.109	-	4.7	20	75	0
Fluoranthene	1.329	1.263	-	5	20	77	0
Benzidine	5	4.422	-	11.6	20	77	0
Pyrene	1.367	1.336	-	2.3	20	78	0
4-Terphenyl-d14	1.068	1.018	-	4.7	20	79	0
Butyl benzyl phthalate	5	4.323	-	13.5	20	80	0
IS1_Chrysene-d12	1	1	-	0	20	93	0
Benzo(a)anthracene	1.308	1.21	-	7.5	20	79	0
3,3'-Dichlorobenzidine	0.473	0.447	-	5.5	20	75	0
Chrysene	1.216	1.17	-	3.8	20	80	0
Bis(2-ethylhexyl)phthalate	5	4.21	-	15.8	20	76	0
Di-n-octylphthalate	5	3.913	-	21.7*	20	76	0
Benzo(b)fluoranthene	1.283	1.311	-	-2.2	20	88	0
Benzo(k)fluoranthene	1.251	1.105	-	11.7	20	70	0
Benzo(a)pyrene	1.188	1.116	-	6.1	20	77	0
IS1_Perylene-d12	1	1	-	0	20	93	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV112
Lab File ID : ABN0928
Sample No : WG2120745-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 17:46
Init. Calib. Date(s) : 08/17/25 08/18/25
Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.105	1.13	-	-2.3	20	84	0
Dibenzo(a,h)anthracene	1.064	1.082	-	-1.7	20	82	0
Benzo(ghi)perylene	1.105	1.085	-	1.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : AP90928
 Sample No : WG2120745-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:09
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
Benzaldehyde	0.597	0.984	-	-64.8*	20	163	0
Acetophenone	1.98	1.731	-	12.6	20	86	0
m-Toluidine	1.191	1.473	-	-23.7*	20	115	0
2-Chloroaniline	1.688	1.55	-	8.2	20	88	0
IS2_Naphthalene-d8	1	1	-	0	20	89	0
a-Terpineol	0.298	0.305	-	-2.3	20	94	0
3-Chloroaniline	0.138	0.151	-	-9.4	20	99	0
2,6-Dichlorophenol	0.282	0.319	-	-13.1	20	99	0
1-chloro-2-nitrobenzene	0.137	0.141	-	-2.9	20	93	0
Caprolactam	0.177	0.153	-	13.6	20	79	0
1,2,4,5-Tetrachlorobenzene	0.443	0.425	-	4.1	20	89	0
Biphenyl	0.978	0.915	-	6.4	20	87	0
IS2_Acenaphthene-d10	1	1	-	0	20	86	0
Dichloran	0.179	0.192	-	-7.3	20	99	0
Pentachloronitrobenzene	0.205	0.208	-	-1.5	20	92	0
IS2_Phenanthrene-d10	1	1	-	0	20	86	0
Diphenamid	0.494	0.478	-	3.2	20	85	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ADP0928
 Sample No : WG2120745-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:31
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	105	0
1,4-Dioxane	0.546	0.465	-	14.8	20	97	0
n-Decane	1.602	1.494	-	6.7	20	99	0
IS3_Acenaphthene-d10	1	1	-	0	20	88	0
Atrazine	0.463	0.429	-	7.3	20	80	0
IS3_Phenanthrene-d10	1	1	-	0	20	84	0
n-Octadecane	0.496	0.435	-	12.3	20	74	0
Parathion	0.106	0.091	-	14.2	20	77	0
3,3'-Dimethylbenzidine	0.737	0.592	-	19.7	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	128	0
n-Nitrosodimethylamine	0.594	0.512	-	13.8	20	111	0
Pyridine	5	3.261	-	34.8*	20	97	0
2-Fluorophenol	0.881	0.827	-	6.1	20	118	0
Aniline	1.484	1.336	-	10	20	112	0
2-Chlorophenol	1.075	1.088	-	-1.2	20	129	0
Phenol-d6	1.175	1.084	-	7.7	20	122	0
Phenol	1.351	1.181	-	12.6	20	112	0
Bis(2-chloroethyl)ether	0.968	0.811	-	16.2	20	111	0
1,3-Dichlorobenzene	1.515	1.373	-	9.4	20	120	0
1,4-Dichlorobenzene	1.532	1.408	-	8.1	20	120	0
1,2-Dichlorobenzene	1.467	1.396	-	4.8	20	123	0
Benzyl alcohol	0.829	0.838	-	-1.1	20	130	0
Bis(2-chloroisopropyl)ethe	1.724	1.05	-	39.1*	20	81	0
2-Methylphenol	0.915	0.908	-	0.8	20	125	0
Hexachloroethane	0.539	0.502	-	6.9	20	124	0
n-Nitrosodi-n-propylamine	0.797	0.735	-	7.8	20	120	0
3-Methylphenol/4-Methylphe	1.028	1.003	-	2.4	20	129	0
Nitrobenzene-d5	1.117	1.094	-	2.1	20	125	0
Nitrobenzene	1.128	1.053	-	6.6	20	116	0
Isophorone	2.059	1.916	-	6.9	20	117	0
2-Nitrophenol	0.53	0.633	-	-19.4	20	160	0
2,4-Dimethylphenol	1.061	1.136	-	-7.1	20	133	0
Bis(2-chloroethoxy)methane	1.369	1.153	-	15.8	20	110	0
2,4-Dichlorophenol	1.189	1.272	-	-7	20	141	0
1,2,4-Trichlorobenzene	1.494	1.504	-	-0.7	20	130	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	0.993	0.934	-	5.9	20	125	0
Benzoic Acid	5	5.504	-	-10.1	20	170	0
4-Chloroaniline	0.127	0.103	-	18.9	20	113	0
Hexachlorobutadiene	0.27	0.246	-	8.9	20	122	0
p-Chloro-m-cresol	0.263	0.267	-	-1.5	20	133	0
2-Methylnaphthalene	0.656	0.659	-	-0.5	20	132	0
1-Methylnaphthalene	0.245	0.24	-	2	20	135	0
Hexachlorocyclopentadiene	0.306	0.327	-	-6.9	20	135	0
2,4,6-Trichlorophenol	0.28	0.302	-	-7.9	20	140	0
2,4,5-Trichlorophenol	0.31	0.333	-	-7.4	20	136	0
2-Fluorobiphenyl	0.987	0.943	-	4.5	20	126	0
2-Chloronaphthalene	0.81	0.817	-	-0.9	20	132	0
2-Nitroaniline	0.204	0.226	-	-10.8	20	146	0
1,4-Dinitrobenzene	0.103	0.119	-	-15.5	20	151	0
1,3-Dinitrobenzene	0.117	0.135	-	-15.4	20	145	0
Dimethyl phthalate	1.014	1.016	-	-0.2	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.291	-	-2	20	129	0
2,6-Dinitrotoluene	0.199	0.21	-	-5.5	20	138	0
1,2-Dinitrobenzene	0.074	0.082	-	-10.8	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	128	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	142	0
Acenaphthene	1.035	0.964	-	6.9	20	128	0
2,4-Dinitrophenol	0.158	0.172	-	-8.9	20	149	0
Dibenzofuran	1.815	1.71	-	5.8	20	128	0
2,4-Dinitrotoluene	0.369	0.418	-	-13.3	20	143	0
4-Nitrophenol	0.204	0.244	-	-19.6	20	154	0
2,3,5,6-Tetrachlorophenol	0.37	0.41	-	-10.8	20	142	0
2,3,4,6-Tetrachlorophenol	0.387	0.406	-	-4.9	20	138	0
Diethyl phthalate	1.394	1.394	-	0	20	130	0
Fluorene	1.408	1.398	-	0.7	20	134	0
4-Chlorophenyl phenyl ethe	0.76	0.71	-	6.6	20	124	0
4-Nitroaniline	0.27	0.307	-	-13.7	20	147	0
4,6-Dinitro-o-cresol	0.236	0.27	-	-14.4	20	152	0
NDPA/DPA	1.224	1.207	-	1.4	20	131	0
Azobenzene	1.155	1.03	-	10.8	20	115	0
2,4,6-Tribromophenol	0.229	0.302	-	-31.9*	20	181	0
4-Bromophenyl phenyl ether	0.488	0.457	-	6.4	20	132	0
Hexachlorobenzene	0.564	0.586	-	-3.9	20	142	0
Pentachlorophenol	0.306	0.362	-	-18.3	20	158	0
IS1_Phenanthrene-d10	1	1	-	0	20	132	0
Phenanthrene	1.097	1.005	-	8.4	20	130	0
Anthracene	1.058	1.031	-	2.6	20	133	0
Carbazole	0.981	0.962	-	1.9	20	134	0
Di-n-butylphthalate	1.04	1.072	-	-3.1	20	133	0
Fluoranthene	1.319	1.266	-	4	20	130	0
Benzidine	0.744	0.76	-	-2.2	20	136	0
Pyrene	1.411	1.344	-	4.7	20	128	0
4-Terphenyl-d14	1.035	1.012	-	2.2	20	131	0
Butyl benzyl phthalate	0.461	0.502	-	-8.9	20	149	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.184	-	2.6	20	130	0
3,3'-Dichlorobenzidine	0.438	0.477	-	-8.9	20	136	0
Chrysene	1.234	1.156	-	6.3	20	129	0
Bis(2-ethylhexyl)phthalate	0.579	0.683	-	-18	20	137	0
Di-n-octylphthalate	1.024	1.168	-	-14.1	20	142	0
Benzo(b)fluoranthene	1.227	1.318	-	-7.4	20	143	0
Benzo(k)fluoranthene	1.227	1.282	-	-4.5	20	135	0
Benzo(a)pyrene	1.119	1.198	-	-7.1	20	136	0
IS1_Perylene-d12	1	1	-	0	20	140	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Calibration Date : 09/28/25 18:33
Lab File ID : ABN0928A	Init. Calib. Date(s) : 08/20/25 08/20/25
Sample No : WG2120752-3	Init. Calib. Times : 12:47 23:44
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.105	-	1.5	20	141	0
Dibenzo(a,h)anthracene	1.132	1.115	-	1.5	20	141	0
Benzo(ghi)perylene	1.145	1.159	-	-1.2	20	147	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90928A
 Sample No : WG2120752-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:55
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	136	0
Benzaldehyde	0.534	0.818	-	-53.2*	20	227	0
Acetophenone	1.663	1.562	-	6.1	20	140	0
m-Toluidine	0.957	1.326	-	-38.6*	20	188	0
2-Chloroaniline	1.447	1.49	-	-3	20	144	0
IS2_Naphthalene-d8	1	1	-	0	20	145	0
a-Terpineol	0.245	0.203	-	17.1	20	128	0
3-Chloroaniline	0.122	0.119	-	2.5	20	149	0
2,6-Dichlorophenol	0.33	0.359	-	-8.8	20	165	0
1-chloro-2-nitrobenzene	0.135	0.134	-	0.7	20	151	0
Caprolactam	0.128	0.102	-	20.3*	20	123	0
1,2,4,5-Tetrachlorobenzene	0.495	0.46	-	7.1	20	145	0
Biphenyl	1.02	0.971	-	4.8	20	148	0
IS2_Acenaphthene-d10	1	1	-	0	20	143	0
Dichloran	0.199	0.2	-	-0.5	20	163	0
Pentachloronitrobenzene	0.197	0.211	-	-7.1	20	164	0
IS2_Phenanthrene-d10	1	1	-	0	20	143	0
Diphenamid	0.486	0.5	-	-2.9	20	161	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
n-Nitrosodimethylamine	0.659	0.692	-	-5	20	89	0
Pyridine	1.237	0.667	-	46.1*	20	49	0
2-Fluorophenol	1.032	1.038	-	-0.6	20	89	0
Aniline	1.692	1.612	-	4.7	20	83	0
2-Chlorophenol	1.228	1.177	-	4.2	20	86	0
Phenol-d6	1.268	1.241	-	2.1	20	85	0
Phenol	1.412	1.424	-	-0.8	20	91	0
Bis(2-chloroethyl)ether	1.193	1.114	-	6.6	20	88	0
1,3-Dichlorobenzene	1.558	1.413	-	9.3	20	85	0
1,4-Dichlorobenzene	1.592	1.461	-	8.2	20	86	0
1,2-Dichlorobenzene	1.528	1.395	-	8.7	20	86	0
Benzyl alcohol	0.928	0.891	-	4	20	86	0
Bis(2-chloroisopropyl)ethe	1.867	1.818	-	2.6	20	91	0
2-Methylphenol	1.04	1.031	-	0.9	20	89	0
Hexachloroethane	0.584	0.514	-	12	20	82	0
n-Nitrosodi-n-propylamine	0.823	0.783	-	4.9	20	85	0
3-Methylphenol/4-Methylphe	1.102	1.115	-	-1.2	20	89	0
Nitrobenzene-d5	1.172	1.194	-	-1.9	20	92	0
Nitrobenzene	1.19	1.207	-	-1.4	20	93	0
Isophorone	2.158	2.11	-	2.2	20	88	0
2-Nitrophenol	0.494	0.593	-	-20	20	106	0
2,4-Dimethylphenol	1.154	1.198	-	-3.8	20	92	0
Bis(2-chloroethoxy)methane	1.45	1.415	-	2.4	20	90	0
2,4-Dichlorophenol	1.111	1.097	-	1.3	20	86	0
1,2,4-Trichlorobenzene	1.448	1.246	-	14	20	82	0
IS1_Naphthalene-d8	1	1	-	0	20	93	0
Naphthalene	1.054	0.971	-	7.9	20	87	0
Benzoic Acid	5	4.41	-	11.8	20	83	0
4-Chloroaniline	0.12	0.122	-	-1.7	20	92	0
Hexachlorobutadiene	0.231	0.195	-	15.6	20	82	0
p-Chloro-m-cresol	0.256	0.269	-	-5.1	20	93	0
2-Methylnaphthalene	0.632	0.606	-	4.1	20	89	0
1-Methylnaphthalene	0.24	0.208	-	13.3	20	81	0
Hexachlorocyclopentadiene	0.244	0.244	-	0	20	93	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	90	0
2,4,5-Trichlorophenol	0.23	0.247	-	-7.4	20	94	0
2-Fluorobiphenyl	0.872	0.779	-	10.7	20	85	0
2-Chloronaphthalene	0.734	0.659	-	10.2	20	85	0
2-Nitroaniline	0.159	0.181	-	-13.8	20	101	0
1,4-Dinitrobenzene	0.077	0.095	-	-23.4*	20	111	0
1,3-Dinitrobenzene	0.093	0.11	-	-18.3	20	105	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	90	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.063	-	3.4	20	88	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	101	0
1,2-Dinitrobenzene	0.06	0.074	-	-23.3*	20	108	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	0.246	0.287	-	-16.7	20	99	0
Acenaphthene	1.144	1.049	-	8.3	20	89	0
2,4-Dinitrophenol	5	5.319	-	-6.4	20	114	0
Dibenzofuran	1.834	1.671	-	8.9	20	87	0
2,4-Dinitrotoluene	5	5.298	-	-6	20	104	0
4-Nitrophenol	0.185	0.218	-	-17.8	20	103	0
2,3,5,6-Tetrachlorophenol	0.304	0.33	-	-8.6	20	95	0
2,3,4,6-Tetrachlorophenol	0.3	0.318	-	-6	20	92	0
Diethyl phthalate	1.28	1.252	-	2.2	20	91	0
Fluorene	1.409	1.324	-	6	20	88	0
4-Chlorophenyl phenyl ethe	0.719	0.649	-	9.7	20	87	0
4-Nitroaniline	0.246	0.257	-	-4.5	20	96	0
4,6-Dinitro-o-cresol	5	5.867	-	-17.3	20	123	0
NDPA/DPA	1.112	1.095	-	1.5	20	90	0
Azobenzene	1.133	1.15	-	-1.5	20	93	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	87	0
4-Bromophenyl phenyl ether	0.383	0.331	-	13.6	20	82	0
Hexachlorobenzene	0.399	0.347	-	13	20	85	0
Pentachlorophenol	0.216	0.201	-	6.9	20	86	0
IS1_Phenanthrene-d10	1	1	-	0	20	94	0
Phenanthrene	1.146	1.063	-	7.2	20	89	0
Anthracene	1.122	1.075	-	4.2	20	90	0
Carbazole	0.975	0.935	-	4.1	20	86	0
Di-n-butylphthalate	1.07	1.101	-	-2.9	20	91	0
Fluoranthene	1.217	1.154	-	5.2	20	86	0
Benzidine	5	4.315	-	13.7	20	82	0
Pyrene	1.292	1.202	-	7	20	84	0
4-Terphenyl-d14	0.865	0.775	-	10.4	20	83	0
Butyl benzyl phthalate	5	4.552	-	9	20	97	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.304	-	4.6	20	83	0
3,3'-Dichlorobenzidine	0.436	0.407	-	6.7	20	79	0
Chrysene	1.352	1.286	-	4.9	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.82	-	3.6	20	90	0
Di-n-octylphthalate	5	4.589	-	8.2	20	89	0
Benzo(b)fluoranthene	1.185	1.073	-	9.5	20	80	0
Benzo(k)fluoranthene	1.199	1.063	-	11.3	20	75	0
Benzo(a)pyrene	1.101	0.971	-	11.8	20	77	0
IS1_Perylene-d12	1	1	-	0	20	87	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0928
Sample No : WG2120753-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 19:00
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.109	-	0.2	20	82	0
Dibenzo(a,h)anthracene	1.154	1.132	-	1.9	20	81	0
Benzo(ghi)perylene	1.15	1.146	-	0.3	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ADP0928
 Sample No : WG2120752-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:18
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	118	0
1,4-Dioxane	0.411	0.366	-	10.9	20	108	0
n-Decane	1.27	0.872	-	31.3*	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	131	0
Atrazine	0.486	0.432	-	11.1	20	122	0
IS3_Phenanthrene-d10	1	1	-	0	20	135	0
n-Octadecane	0.368	0.238	-	35.3*	20	93	0
Parathion	5	5.216	-	-4.3	20	140	0
3,3'-Dimethylbenzidine	5	3.238	-	35.2*	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90928
 Sample No : WG2120753-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:25
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
Benzaldehyde	0.605	0.929	-	-53.6*	20	162	0
Acetophenone	1.796	1.649	-	8.2	20	97	0
m-Toluidine	1.129	1.422	-	-26*	20	133	0
2-Chloroaniline	1.545	1.525	-	1.3	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	104	0
a-Terpineol	0.25	0.305	-	-22*	20	124	0
3-Chloroaniline	0.117	0.137	-	-17.1	20	112	0
2,6-Dichlorophenol	0.264	0.291	-	-10.2	20	107	0
1-chloro-2-nitrobenzene	0.124	0.133	-	-7.3	20	112	0
Caprolactam	0.125	0.146	-	-16.8	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.364	-	12.3	20	95	0
Biphenyl	0.948	0.859	-	9.4	20	97	0
IS2_Acenaphthene-d10	1	1	-	0	20	102	0
Dichloran	0.145	0.14	-	3.4	20	113	0
Pentachloronitrobenzene	0.133	0.139	-	-4.5	20	103	0
IS2_Phenanthrene-d10	1	1	-	0	20	100	0
Diphenamid	0.435	0.43	-	1.1	20	93	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0928
 Sample No : WG2120753-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:50
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	86	0
1,4-Dioxane	0.545	0.494	-	9.4	20	85	0
n-Decane	1.567	1.729	-	-10.3	20	100	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.33	0.354	-	-7.3	20	90	0
IS3_Phenanthrene-d10	1	1	-	0	20	85	0
n-Octadecane	0.441	0.539	-	-22.2*	20	101	0
Parathion	5	5.725	-	-14.5	20	112	0
3,3'-Dimethylbenzidine	5	3.591	-	28.2*	20	64	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	82	0
n-Nitrosodimethylamine	0.659	0.72	-	-9.3	20	82	0
Pyridine	1.237	0.748	-	39.5*	20	49	0
2-Fluorophenol	1.032	1.043	-	-1.1	20	79	0
Aniline	1.692	1.68	-	0.7	20	76	0
2-Chlorophenol	1.228	1.208	-	1.6	20	78	0
Phenol-d6	1.268	1.312	-	-3.5	20	80	0
Phenol	1.412	1.48	-	-4.8	20	84	0
Bis(2-chloroethyl)ether	1.193	1.133	-	5	20	79	0
1,3-Dichlorobenzene	1.558	1.449	-	7	20	77	0
1,4-Dichlorobenzene	1.592	1.479	-	7.1	20	77	0
1,2-Dichlorobenzene	1.528	1.403	-	8.2	20	77	0
Benzyl alcohol	0.928	0.959	-	-3.3	20	81	0
Bis(2-chloroisopropyl)ethe	1.867	1.944	-	-4.1	20	86	0
2-Methylphenol	1.04	1.088	-	-4.6	20	83	0
Hexachloroethane	0.584	0.534	-	8.6	20	75	0
n-Nitrosodi-n-propylamine	0.823	0.818	-	0.6	20	79	0
3-Methylphenol/4-Methylphe	1.102	1.137	-	-3.2	20	80	0
Nitrobenzene-d5	1.172	1.245	-	-6.2	20	85	0
Nitrobenzene	1.19	1.262	-	-6.1	20	86	0
Isophorone	2.158	2.184	-	-1.2	20	81	0
2-Nitrophenol	0.494	0.614	-	-24.3*	20	97	0
2,4-Dimethylphenol	1.154	1.195	-	-3.6	20	81	0
Bis(2-chloroethoxy)methane	1.45	1.403	-	3.2	20	79	0
2,4-Dichlorophenol	1.111	1.1	-	1	20	76	0
1,2,4-Trichlorobenzene	1.448	1.271	-	12.2	20	74	0
IS1_Naphthalene-d8	1	1	-	0	20	84	0
Naphthalene	1.054	0.973	-	7.7	20	79	0
Benzoic Acid	5	4.088	-	18.2	20	67	0
4-Chloroaniline	0.12	0.126	-	-5	20	85	0
Hexachlorobutadiene	0.231	0.199	-	13.9	20	75	0
p-Chloro-m-cresol	0.256	0.274	-	-7	20	85	0
2-Methylnaphthalene	0.632	0.592	-	6.3	20	78	0
1-Methylnaphthalene	0.24	0.207	-	13.8	20	72	0
Hexachlorocyclopentadiene	0.244	0.233	-	4.5	20	80	0
2,4,6-Trichlorophenol	0.214	0.228	-	-6.5	20	80	0
2,4,5-Trichlorophenol	0.23	0.25	-	-8.7	20	85	0
2-Fluorobiphenyl	0.872	0.766	-	12.2	20	75	0
2-Chloronaphthalene	0.734	0.65	-	11.4	20	75	0
2-Nitroaniline	0.159	0.188	-	-18.2	20	94	0
1,4-Dinitrobenzene	0.077	0.099	-	-28.6*	20	105	0
1,3-Dinitrobenzene	0.093	0.113	-	-21.5*	20	98	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.066	-	3.1	20	79	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	90	0
1,2-Dinitrobenzene	0.06	0.075	-	-25*	20	98	0
IS1_Acenaphthene-d10	1	1	-	0	20	82	0
3-Nitroaniline	0.246	0.299	-	-21.5*	20	90	0
Acenaphthene	1.144	1.066	-	6.8	20	80	0
2,4-Dinitrophenol	5	6.285	-	-25.7*	20	120	0
Dibenzofuran	1.834	1.715	-	6.5	20	79	0
2,4-Dinitrotoluene	5	5.542	-	-10.8	20	96	0
4-Nitrophenol	0.185	0.243	-	-31.4*	20	100	0
2,3,5,6-Tetrachlorophenol	0.304	0.331	-	-8.9	20	83	0
2,3,4,6-Tetrachlorophenol	0.3	0.327	-	-9	20	83	0
Diethyl phthalate	1.28	1.238	-	3.3	20	79	0
Fluorene	1.409	1.331	-	5.5	20	77	0
4-Chlorophenyl phenyl ethe	0.719	0.658	-	8.5	20	78	0
4-Nitroaniline	0.246	0.284	-	-15.4	20	93	0
4,6-Dinitro-o-cresol	5	6.438	-	-28.8*	20	119	0
NDPA/DPA	1.112	1.109	-	0.3	20	79	0
Azobenzene	1.133	1.198	-	-5.7	20	85	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	76	0
4-Bromophenyl phenyl ether	0.383	0.344	-	10.2	20	75	0
Hexachlorobenzene	0.399	0.351	-	12	20	75	0
Pentachlorophenol	0.216	0.216	-	0	20	81	0
IS1_Phenanthrene-d10	1	1	-	0	20	85	0
Phenanthrene	1.146	1.092	-	4.7	20	83	0
Anthracene	1.122	1.095	-	2.4	20	83	0
Carbazole	0.975	0.959	-	1.6	20	80	0
Di-n-butylphthalate	1.07	1.054	-	1.5	20	79	0
Fluoranthene	1.217	1.186	-	2.5	20	80	0
Benzidine	5	4.494	-	10.1	20	77	0
Pyrene	1.292	1.273	-	1.5	20	80	0
4-Terphenyl-d14	0.865	0.791	-	8.6	20	76	0
Butyl benzyl phthalate	5	4.681	-	6.4	20	90	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.313	-	4	20	84	0
3,3'-Dichlorobenzidine	0.436	0.415	-	4.8	20	81	0
Chrysene	1.352	1.279	-	5.4	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.277	-	14.5	20	80	0
Di-n-octylphthalate	5	4.489	-	10.2	20	88	0
Benzo(b)fluoranthene	1.185	1.187	-	-0.2	20	89	0
Benzo(k)fluoranthene	1.199	1.195	-	0.3	20	85	0
Benzo(a)pyrene	1.101	1.109	-	-0.7	20	88	0
IS1_Perylene-d12	1	1	-	0	20	98	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0929
Sample No : WG2121049-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/29/25 12:24
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.08	-	2.8	20	90	0
Dibenzo(a,h)anthracene	1.154	1.088	-	5.7	20	87	0
Benzo(ghi)perylene	1.15	1.106	-	3.8	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90929
 Sample No : WG2121049-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:49
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	101	0
Benzaldehyde	0.605	0.952	-	-57.4*	20	158	0
Acetophenone	1.796	1.651	-	8.1	20	93	0
m-Toluidine	1.129	1.421	-	-25.9*	20	127	0
2-Chloroaniline	1.545	1.51	-	2.3	20	97	0
IS2_Naphthalene-d8	1	1	-	0	20	99	0
a-Terpineol	0.25	0.309	-	-23.6*	20	118	0
3-Chloroaniline	0.117	0.145	-	-23.9*	20	112	0
2,6-Dichlorophenol	0.264	0.296	-	-12.1	20	103	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	108	0
Caprolactam	0.125	0.155	-	-24*	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.37	-	10.8	20	91	0
Biphenyl	0.948	0.845	-	10.9	20	90	0
IS2_Acenaphthene-d10	1	1	-	0	20	97	0
Dichloran	0.145	0.146	-	-0.7	20	113	0
Pentachloronitrobenzene	0.133	0.14	-	-5.3	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	94	0
Diphenamid	0.435	0.433	-	0.5	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0929
 Sample No : WG2121049-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 13:14
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	75	0
1,4-Dioxane	0.545	0.522	-	4.2	20	79	0
n-Decane	1.567	1.708	-	-9	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	75	0
Atrazine	0.33	0.353	-	-7	20	79	0
IS3_Phenanthrene-d10	1	1	-	0	20	75	0
n-Octadecane	0.441	0.466	-	-5.7	20	77	0
Parathion	5	5.458	-	-9.2	20	94	0
3,3'-Dimethylbenzidine	5	4.145	-	17.1	20	69	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250928RVT\
 Data File : ABN0928.D
 Acq On : 28 Sep 2025 7:00 pm
 Operator : SV107:smz
 Sample : wg2120753-3,32,,ABN 11823 gmr0814A
 Misc : wg2120753,,ical22592
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 19:18:43 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2 t	n-Nitrosodimethylamine	0.659	0.692	-5.0	89	0.00
3 t	Pyridine	1.237	0.667	46.1#	49#	0.00
4 S	2-Fluorophenol	1.032	1.038	-0.6	89	0.00
5 T	Aniline	1.692	1.612	4.7	83	0.00
6 t	2-Chlorophenol	1.228	1.177	4.2	86	0.00
7 S	Phenol-d6	1.268	1.241	2.1	85	0.00
8 T	Phenol	1.412	1.424	-0.8	91	0.00
9 T	Bis(2-chloroethyl)ether	1.193	1.114	6.6	88	0.00
10 T	1,3-Dichlorobenzene	1.558	1.413	9.3	85	0.00
11 T	1,4-Dichlorobenzene	1.592	1.461	8.2	86	0.00
12 T	1,2-Dichlorobenzene	1.528	1.395	8.7	86	0.00
13 t	Benzyl alcohol	0.928	0.891	4.0	86	0.00
14 T	Bis(2-chloroisopropyl)ether	1.867	1.818	2.6	91	0.00
15 T	2-Methylphenol	1.040	1.031	0.9	89	0.00
16 T	Hexachloroethane	0.584	0.514	12.0	82	0.00
17 T	n-Nitrosodi-n-propylamine	0.823	0.783	4.9	85	0.00
18 T	3-Methylphenol/4-Methylphen	1.102	1.115	-1.2	89	0.00
19 S	Nitrobenzene-d5	1.172	1.194	-1.9	92	0.00
20 T	Nitrobenzene	1.190	1.207	-1.4	93	0.00
21 T	Isophorone	2.158	2.110	2.2	88	0.00
22 T	2-Nitrophenol	0.494	0.593	-20.0#	106	0.00
23 T	2,4-Dimethylphenol	1.154	1.198	-3.8	92	0.00
24 T	Bis(2-chloroethoxy)methane	1.450	1.415	2.4	90	0.00
25 T	2,4-Dichlorophenol	1.111	1.097	1.3	86	0.00
26 T	1,2,4-Trichlorobenzene	1.448	1.246	14.0	82	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	93	0.00
36 T	Naphthalene	1.054	0.971	7.9	87	0.00
37 T	Benzoic Acid	* 5.000	4.410	11.8	83	0.00
38 T	4-Chloroaniline	0.120	0.122	-1.7	92	0.00
39 T	Hexachlorobutadiene	0.231	0.195	15.6	82	0.00
40 T	p-Chloro-m-cresol	0.256	0.269	-5.1	93	0.00
41 T	2-Methylnaphthalene	0.632	0.606	4.1	89	0.00
42 T	1-Methylnaphthalene	0.240	0.208	13.3	81	0.00
43 T	Hexachlorocyclopentadiene	0.244	0.244	0.0	93	0.00
44 T	2,4,6-Trichlorophenol	0.214	0.230	-7.5	90	0.00
45 T	2,4,5-Trichlorophenol	0.230	0.247	-7.4	94	0.00
46 S	2-Fluorobiphenyl	0.872	0.779	10.7	85	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250928RVT\
 Data File : ABN0928.D
 Acq On : 28 Sep 2025 7:00 pm
 Operator : SV107:smz
 Sample : wg2120753-3,32,,ABN 11823 gmr0814A
 Misc : wg2120753,,ical22592
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 19:18:43 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.734	0.659	10.2	85	0.00
48 T	2-Nitroaniline	0.159	0.181	-13.8	101	0.00
49 T	1,4-Dinitrobenzene	0.077	0.095	-23.4#	111	0.00
50 T	1,3-Dinitrobenzene	0.093	0.110	-18.3	105	0.00
51 T	Dimethyl phthalate	0.769	0.763	0.8	90	0.00
52 T	Acenaphthylene	1.100	1.063	3.4	88	0.00
53 T	2,6-Dinitrotoluene	0.131	0.161	-22.9#	101	0.00
54 T	1,2-Dinitrobenzene	0.060	0.074	-23.3#	108	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	94	0.00
64 T	3-Nitroaniline	0.246	0.287	-16.7	99	0.00
65 T	Acenaphthene	1.144	1.049	8.3	89	0.00
66 T	2,4-Dinitrophenol *	5.000	5.319	-6.4	114	0.00
67 T	Dibenzofuran	1.834	1.671	8.9	87	0.00
68 T	2,4-Dinitrotoluene *	5.000	5.298	-6.0	104	0.00
69 T	4-Nitrophenol	0.185	0.218	-17.8	103	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.304	0.330	-8.6	95	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.300	0.318	-6.0	92	0.00
72 T	Diethyl phthalate	1.280	1.252	2.2	91	0.00
73 T	Fluorene	1.409	1.324	6.0	88	0.00
74 T	4-Chlorophenyl phenyl ether	0.719	0.649	9.7	87	0.00
75 T	4-Nitroaniline	0.246	0.257	-4.5	96	0.00
76 T	4,6-Dinitro-o-cresol *	5.000	5.867	-17.3	123	0.00
77 T	NDPA/DPA	1.112	1.095	1.5	90	0.00
78 T	Azobenzene	1.133	1.150	-1.5	93	0.00
79 S	2,4,6-Tribromophenol	0.152	0.153	-0.7	87	0.00
80 T	4-Bromophenyl phenyl ether	0.383	0.331	13.6	82	0.00
81 T	Hexachlorobenzene	0.399	0.347	13.0	85	0.00
82 T	Pentachlorophenol	0.216	0.201	6.9	86	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	94	0.00
89 T	Phenanthrene	1.146	1.063	7.2	89	0.00
90 T	Anthracene	1.122	1.075	4.2	90	0.00
91 T	Carbazole	0.975	0.935	4.1	86	0.00
92 T	Di-n-butylphthalate	1.070	1.101	-2.9	91	0.00
93 T	Fluoranthene	1.217	1.154	5.2	86	0.00
94 T	Benzidine *	5.000	4.315	13.7	82	0.00
95 T	Pyrene	1.292	1.202	7.0	84	0.00
96 S	4-Terphenyl-d14	0.865	0.775	10.4	83	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250928RVT\
 Data File : ABN0928.D
 Acq On : 28 Sep 2025 7:00 pm
 Operator : SV107:smz
 Sample : wg2120753-3,32,,ABN 11823 gmr0814A
 Misc : wg2120753,,ical22592
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 19:18:43 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	*	5.000	4.552	9.0	97	0.00
104 I	IS1_Chrysene-d12		1.000	1.000	0.0	86	0.00
105 T	Benzo(a)anthracene		1.367	1.304	4.6	83	0.00
106 T	3,3'-Dichlorobenzidine		0.436	0.407	6.7	79	0.00
107 T	Chrysene		1.352	1.286	4.9	84	0.00
108 T	Bis(2-ethylhexyl)phthalate	*	5.000	4.820	3.6	90	0.00
109 T	Di-n-octylphthalate	*	5.000	4.589	8.2	89	0.00
110 T	Benzo(b)fluoranthene		1.185	1.073	9.5	80	0.00
111 T	Benzo(k)fluoranthene		1.199	1.063	11.3	75	0.00
112 T	Benzo(a)pyrene		1.101	0.971	11.8	77	0.00
113 I	IS1_Perylene-d12		1.000	1.000	0.0	87	0.00
114 T	Indeno(1,2,3-cd)pyrene		1.111	1.109	0.2	82	0.00
115 T	Dibenzo(a,h)anthracene		1.154	1.132	1.9	81	0.00
116 T	Benzo(ghi)perylene		1.150	1.146	0.3	81	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : ABN0928.D
 Acq On : 28 Sep 2025 7:00 pm
 Operator : SV107:smz
 Sample : wg2120753-3,32,,ABN 11823 gmr0814A
 Misc : wg2120753,,ical22592
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 19:18:43 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.305	152	52319	4.000	ug/ml	0.00
35) IS1_Naphthalene-d8	7.744	136	191529	4.000	ug/ml	0.00
63) IS1_Acenaphthene-d10	9.513	164	112121	4.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	10.952	188	201380	4.000	ug/ml	0.00
104) IS1_Chrysene-d12	13.584	240	159830	4.000	ug/ml	0.00
113) IS1_Perylene-d12	15.048	264	145781	4.000	ug/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.285	112	67892	5.030	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	251.50%#	
7) Phenol-d6	5.926	99	81150	4.891	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	244.55%#	
19) Nitrobenzene-d5	6.970	82	78085	5.092	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	509.20%#	
46) 2-Fluorobiphenyl	8.876	172	186608	4.467	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	446.70%#	
79) 2,4,6-Tribromophenol	10.283	330	21378	5.005	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	250.25%#	
96) 4-Terphenyl-d14	12.540	244	195051	4.478	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	447.80%#	
Target Compounds						
					Qvalue	
2) n-Nitrosodimethylamine	1.972	74	45253	5.250	ug/ml#	61
3) Pyridine	2.013	79	43645	2.698	ug/ml#	76
5) Aniline	5.889	93	105434	4.765	ug/ml	100
6) 2-Chlorophenol	6.028	128	76988	4.794	ug/ml	96
8) Phenol	5.941	94	93144	5.042	ug/ml	97
9) Bis(2-chloroethyl)ether	6.028	93	72828	4.666	ug/ml#	76
10) 1,3-Dichlorobenzene	6.221	146	92386	4.534	ug/ml	97
11) 1,4-Dichlorobenzene	6.327	146	95548	4.589	ug/ml	98
12) 1,2-Dichlorobenzene	6.501	146	91211	4.565	ug/ml	97
13) Benzyl alcohol	6.520	79	58297	4.801	ug/ml	96
14) Bis(2-chloroisopropyl)...	6.703	45	118926	4.870	ug/ml#	60
15) 2-Methylphenol	6.691	108	67415	4.954	ug/ml	98
16) Hexachloroethane	6.893	117	33636	4.400	ug/ml#	58
17) n-Nitrosodi-n-propylamine	6.846	70	51186	4.753	ug/ml	94
18) 3-Methylphenol/4-Methy...	6.883	108	72901	5.060	ug/ml	98
20) Nitrobenzene	6.992	77	78934	5.073	ug/ml	98
21) Isophorone	7.278	82	138021	4.889	ug/ml	97
22) 2-Nitrophenol	7.353	139	38778	5.996	ug/ml	92

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : ABN0928.D
 Acq On : 28 Sep 2025 7:00 pm
 Operator : SV107:smz
 Sample : wg2120753-3,32,,ABN 11823 gmr0814A
 Misc : wg2120753,,ical22592
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 19:18:43 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23)	2,4-Dimethylphenol	7.458	107	78321	5.189	ug/ml	98
24)	Bis(2-chloroethoxy)met...	7.558	93	92511	4.877	ug/ml	98
25)	2,4-Dichlorophenol	7.620	162	71731	4.937	ug/ml	95
26)	1,2,4-Trichlorobenzene	7.701	180	81473	4.301	ug/ml	97
36)	Naphthalene	7.766	128	232428	4.604	ug/ml	99
37)	Benzoic Acid	7.545	105	35239	4.410	ug/ml	96
38)	4-Chloroaniline	7.856	65	29317	5.115	ug/ml	88
39)	Hexachlorobutadiene	7.928	225	46669	4.218	ug/ml	98
40)	p-Chloro-m-cresol	8.384	107	64444	5.267	ug/ml	98
41)	2-Methylnaphthalene	8.490	142	145069	4.791	ug/ml	96
42)	1-Methylnaphthalene	8.583	115	49770	4.340	ug/ml	89
43)	Hexachlorocyclopentadiene	8.658	237	58465	5.012	ug/ml	99
44)	2,4,6-Trichlorophenol	8.785	196	54981	5.353	ug/ml	99
45)	2,4,5-Trichlorophenol	8.813	196	59033	5.364	ug/ml	98
47)	2-Chloronaphthalene	8.969	162	157800	4.490	ug/ml	95
48)	2-Nitroaniline	9.084	138	43281	5.692	ug/ml	88
49)	1,4-Dinitrobenzene	9.230	168	22634	6.123	ug/ml#	73
50)	1,3-Dinitrobenzene	9.301	168	26227	5.907	ug/ml#	1
51)	Dimethyl phthalate	9.298	163	182708	4.964	ug/ml#	98
52)	Acenaphthylene	9.370	152	254613	4.836	ug/ml	99
53)	2,6-Dinitrotoluene	9.339	165	38635	6.146	ug/ml#	77
54)	1,2-Dinitrobenzene	9.376	168	17602	6.169	ug/ml#	1
64)	3-Nitroaniline	9.491	138	40212	5.826	ug/ml#	94
65)	Acenaphthene	9.544	154	147036	4.584	ug/ml	94
66)	2,4-Dinitrophenol	9.593	184	19890	5.319	ug/ml#	84
67)	Dibenzofuran	9.715	168	234165	4.556	ug/ml	90
68)	2,4-Dinitrotoluene	9.727	165	52726	5.298	ug/ml	91
69)	4-Nitrophenol	9.681	65	30571	5.886	ug/ml	90
70)	2,3,5,6-Tetrachlorophenol	9.805	232	46270	5.427	ug/ml	98
71)	2,3,4,6-Tetrachlorophenol	9.845	232	44522	5.297	ug/ml	98
72)	Diethyl phthalate	9.994	149	175412	4.889	ug/ml	97
73)	Fluorene	10.050	166	185558	4.698	ug/ml	94
74)	4-Chlorophenyl phenyl ...	10.075	204	90969	4.513	ug/ml#	88
75)	4-Nitroaniline	10.078	138	35957	5.224	ug/ml	89
76)	4,6-Dinitro-o-cresol	10.116	198	29603	5.867	ug/ml#	62
77)	NDPA/DPA	10.190	169	153401	4.923	ug/ml	96
78)	Azobenzene	10.224	77	161198	5.074	ug/ml	95
80)	4-Bromophenyl phenyl e...	10.545	248	46358	4.321	ug/ml	90
81)	Hexachlorobenzene	10.582	284	48630	4.344	ug/ml	91
82)	Pentachlorophenol	10.781	266	28176	4.664	ug/ml	99
89)	Phenanthrene	10.973	178	267693	4.639	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : ABN0928.D
 Acq On : 28 Sep 2025 7:00 pm
 Operator : SV107:smz
 Sample : wg2120753-3,32,,ABN 11823 gmr0814A
 Misc : wg2120753,,ical22592
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 19:18:43 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

90)	Anthracene	11.023	178	270600	4.789	ug/ml	99
91)	Carbazole	11.194	167	235483	4.798	ug/ml	98
92)	Di-n-butylphthalate	11.598	149	277243	5.148	ug/ml#	98
93)	Fluoranthene	12.130	202	290586	4.741	ug/ml#	93
94)	Benzydine	12.288	184	149688	4.315	ug/ml#	95
95)	Pyrene	12.341	202	302574	4.650	ug/ml	99
97)	Butyl benzyl phthalate	13.078	149	106949	4.552	ug/ml	89
105)	Benzo(a)anthracene	13.575	228	260435	4.768	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.581	252	81310	4.672	ug/ml	98
107)	Chrysene	13.612	228	256989	4.758	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.721	149	163341	4.820	ug/ml#	93
109)	Di-n-octylphthalate	14.408	149	242363	4.589	ug/ml#	73
110)	Benzo(b)fluoranthene	14.678	252	214464	4.531	ug/ml	97
111)	Benzo(k)fluoranthene	14.709	252	212276	4.431	ug/ml	96
112)	Benzo(a)pyrene	14.992	252	194067	4.410	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	16.027	276	201999	4.987	ug/mL	96
115)	Dibenzo(a,h)anthracene	16.055	278	206343	4.905	ug/ml	95
116)	Benzo(ghi)perylene	16.270	276	208744	4.982	ug/ml	94

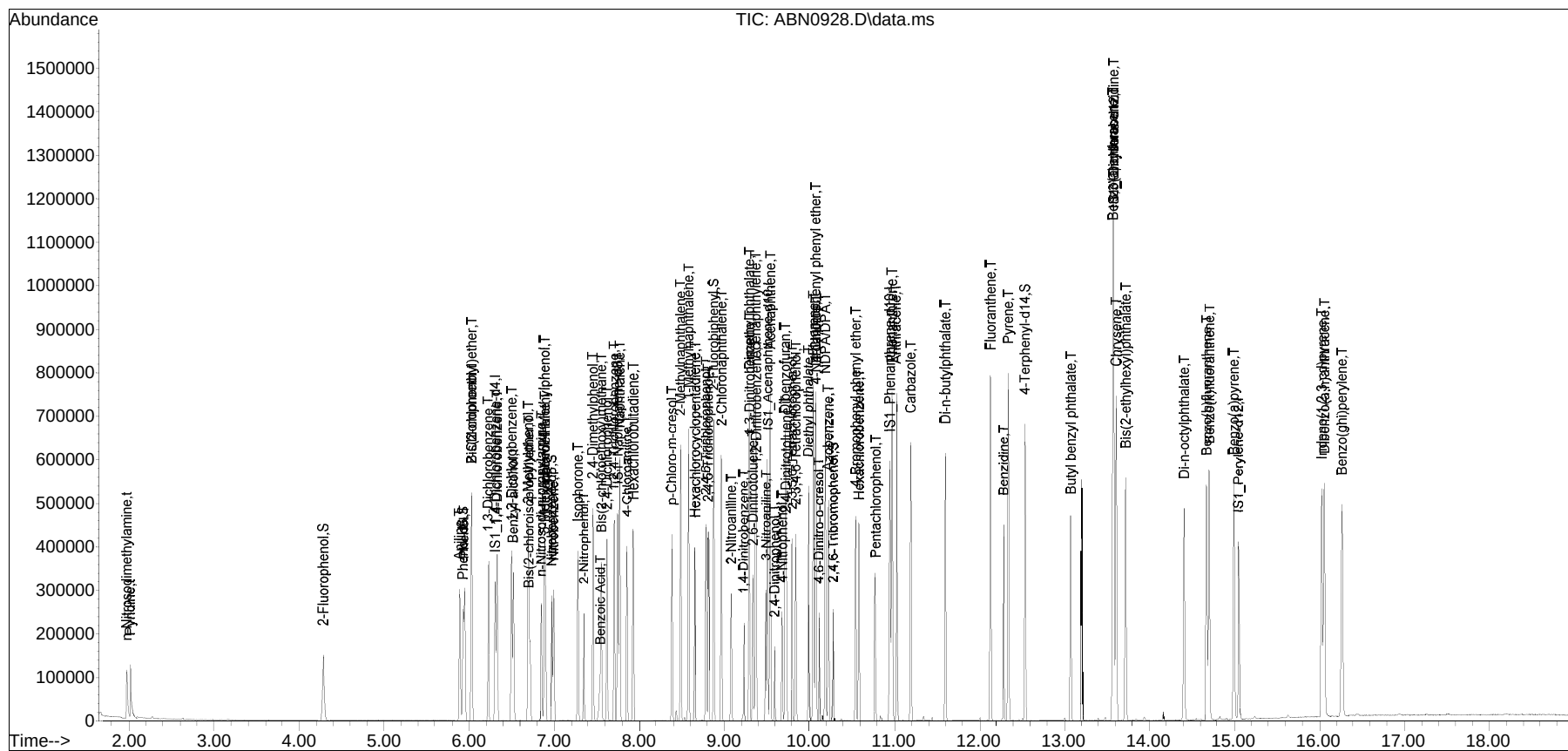
(#) = qualifier out of range (m) = manual integration (+) = signals summed

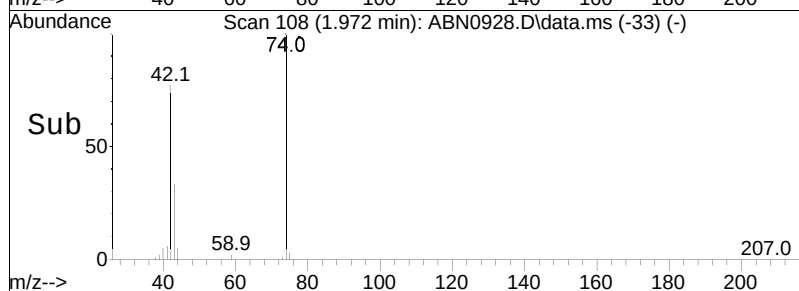
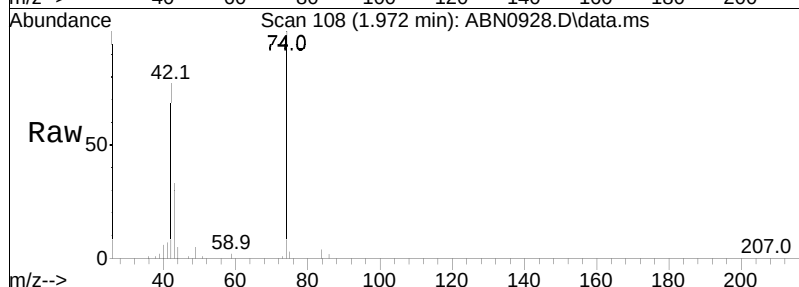
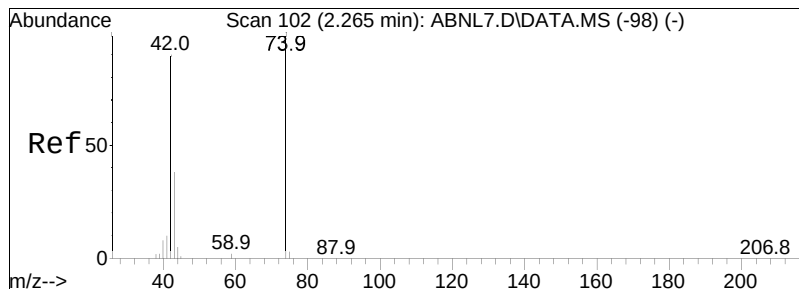
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
Data File : ABN0928.D
Acq On : 28 Sep 2025 7:00 pm
Operator : SV107:smz
Sample : wg2120753-3,32,,ABN 11823 gmr0814A
Misc : wg2120753,,ical22592
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 19:18:43 2025
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Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Sep 26 16:48:57 2025
Response via : Initial Calibration

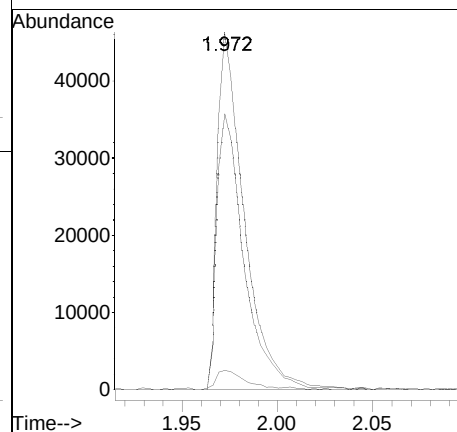
Sub List : ABNical - ABN ical sublist

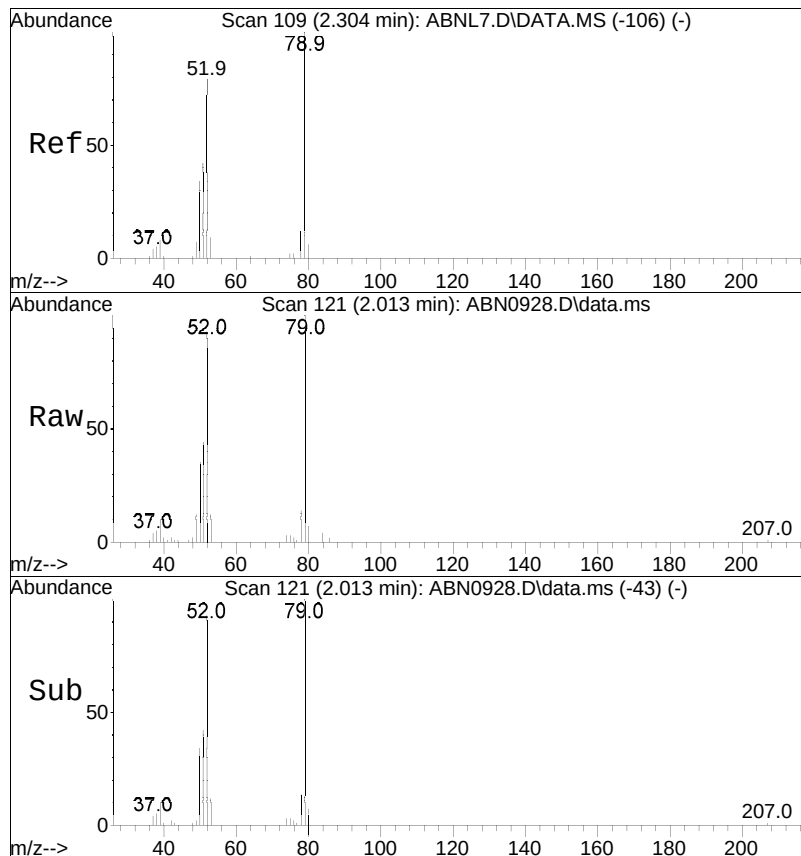




#2
 n-Nitrosodimethylamine
 Concen: 5.25 ug/ml
 RT: 1.972 min Scan# 108
 Delta R.T. -0.016 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

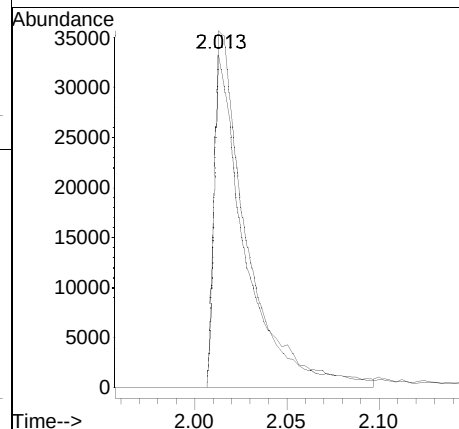
Tgt Ion: 74 Resp: 45253
 Ion Ratio Lower Upper
 74 100
 42 77.8 100.0 150.0#
 44 5.9 6.7 10.1#

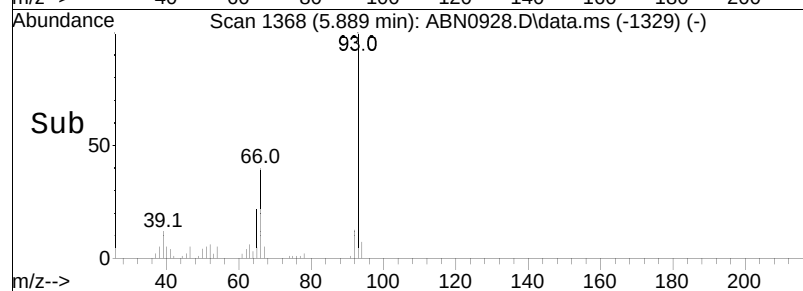
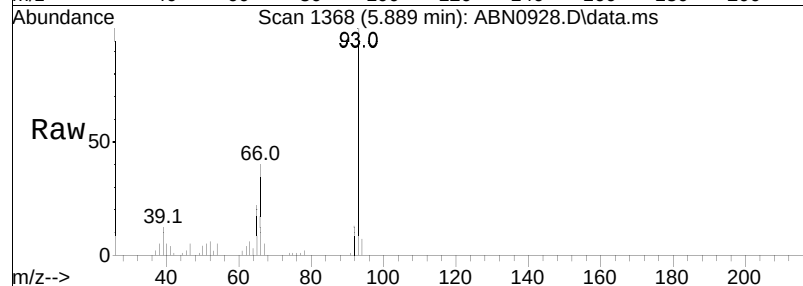
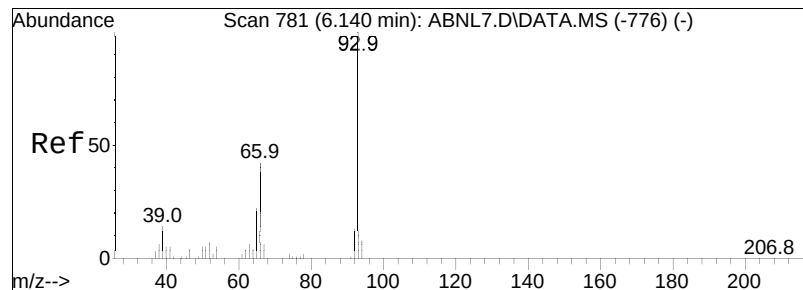




#3
 Pyridine
 Concen: 2.70 ug/ml
 RT: 2.013 min Scan# 121
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

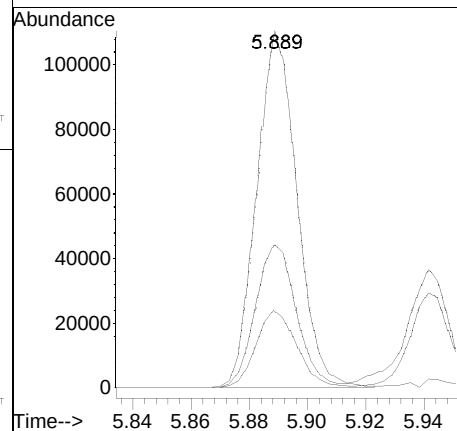
Tgt Ion	Ratio	Lower	Upper
79	100		
52	89.8	93.1	139.7#

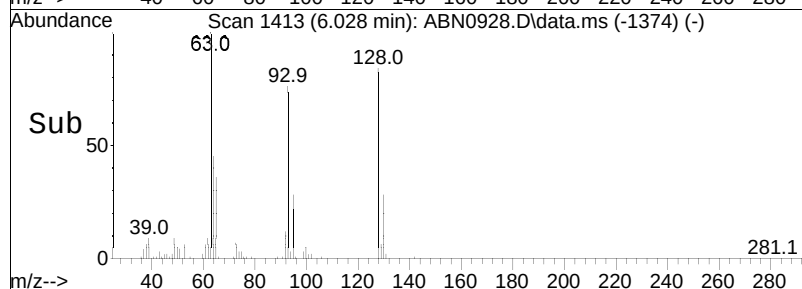
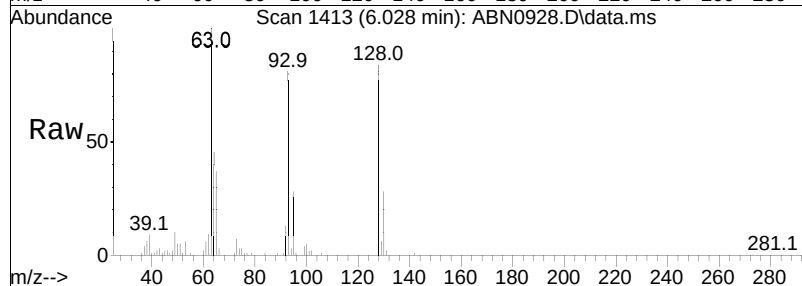
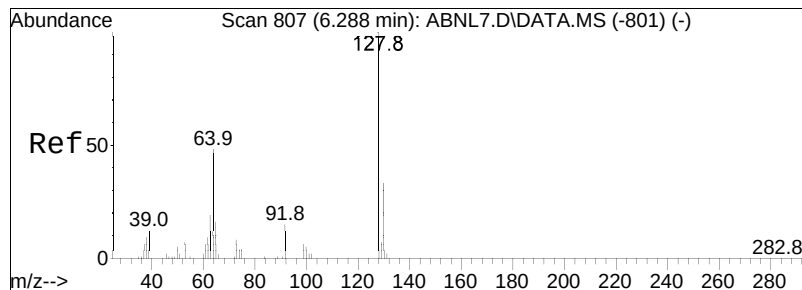




#5
 Aniline
 Concen: 4.77 ug/ml
 RT: 5.889 min Scan# 1368
 Delta R.T. -0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

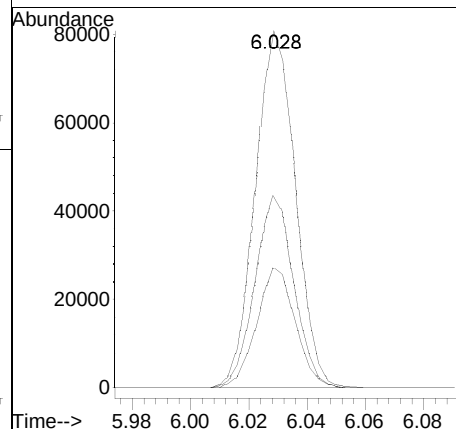
Tgt Ion	Ratio	Lower	Upper
93	100		
66	40.8	32.6	49.0
65	22.0	17.6	26.4

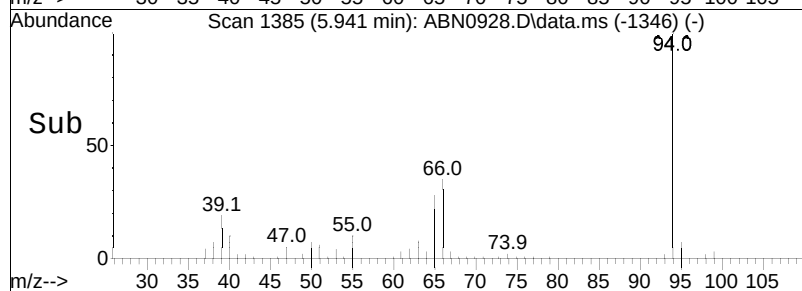
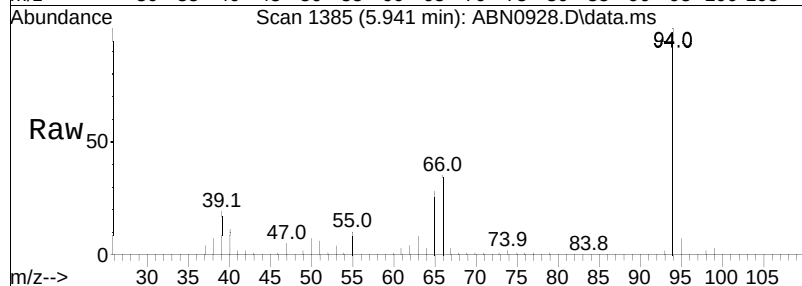
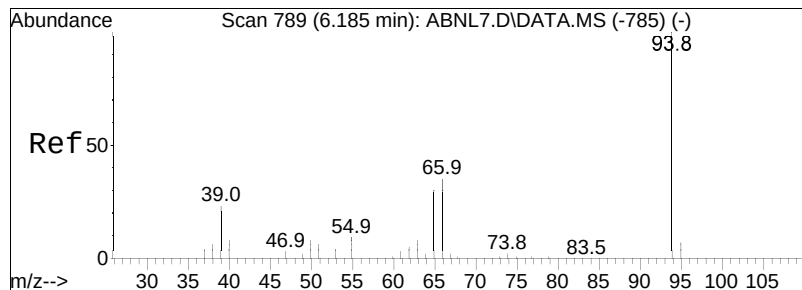




#6
 2-Chlorophenol
 Concen: 4.79 ug/ml
 RT: 6.028 min Scan# 1413
 Delta R.T. -0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

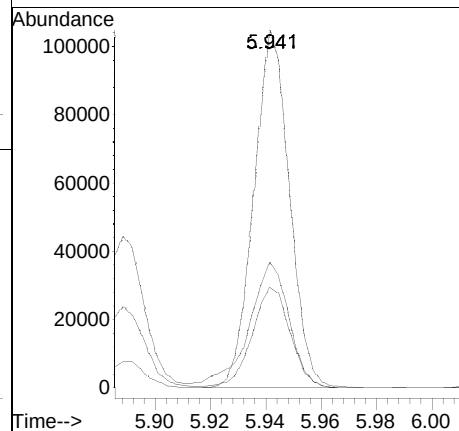
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	76988		
64	52.2		45.1	67.7
130	32.5		26.2	39.4

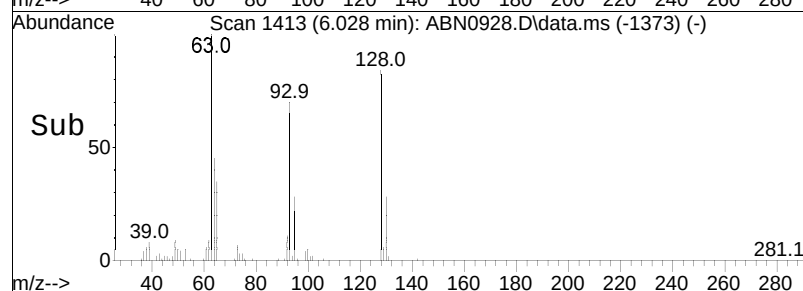
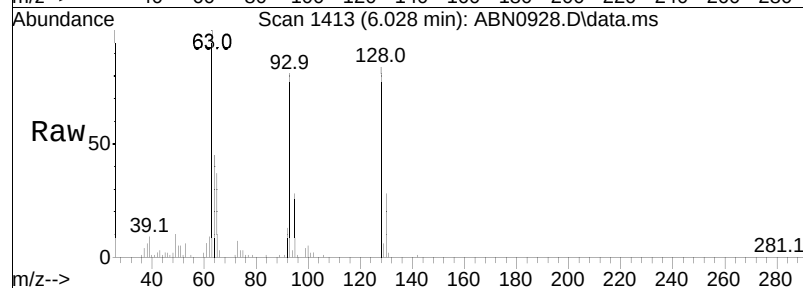
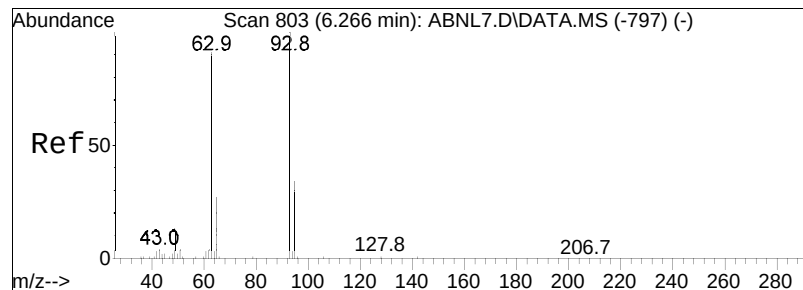




#8
 Phenol
 Concen: 5.04 ug/ml
 RT: 5.941 min Scan# 1385
 Delta R.T. -0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

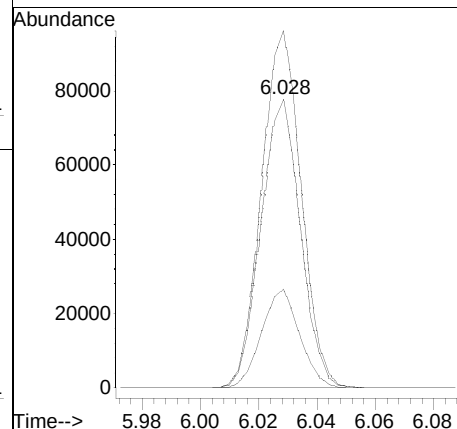
Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.4	26.0	39.0
66	40.3	33.8	50.8

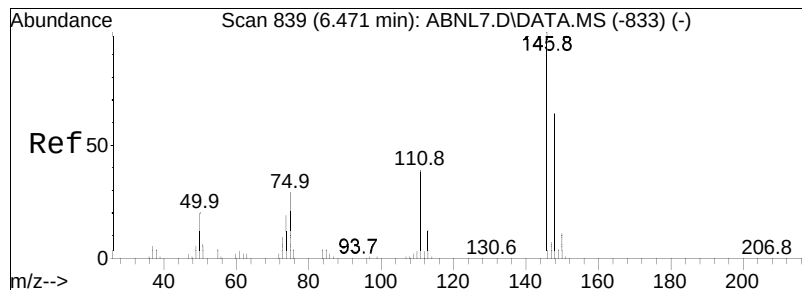




#9
 Bis(2-chloroethyl)ether
 Concen: 4.67 ug/ml
 RT: 6.028 min Scan# 1413
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

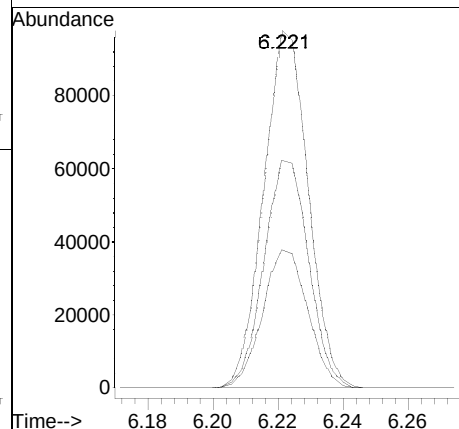
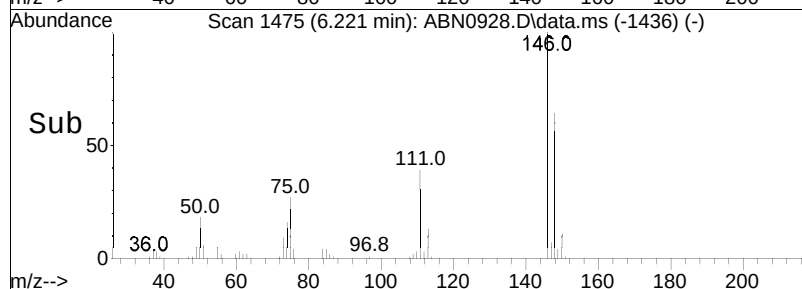
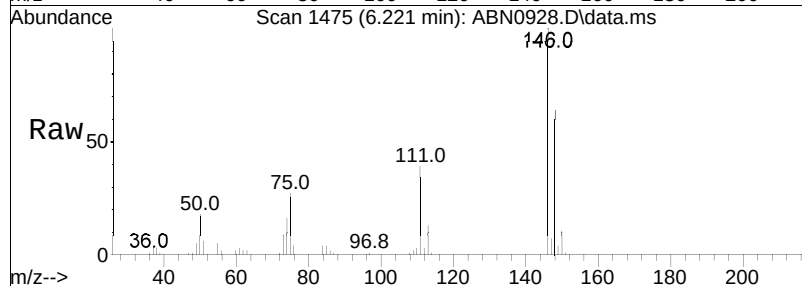
Tgt Ion	Ratio	Lower	Upper
93	100		
63	124.4	74.6	111.8#
95	33.1	25.9	38.9

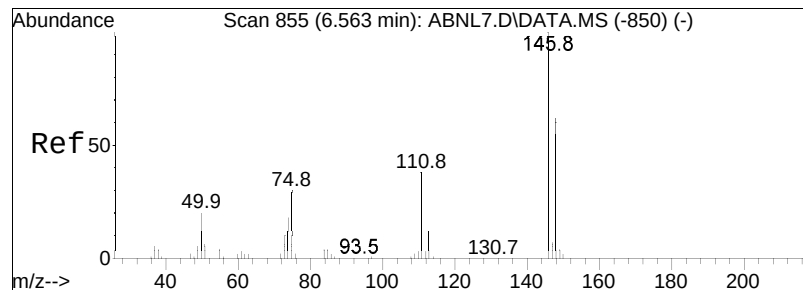




#10
 1,3-Dichlorobenzene
 Concen: 4.53 ug/ml
 RT: 6.221 min Scan# 1475
 Delta R.T. -0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

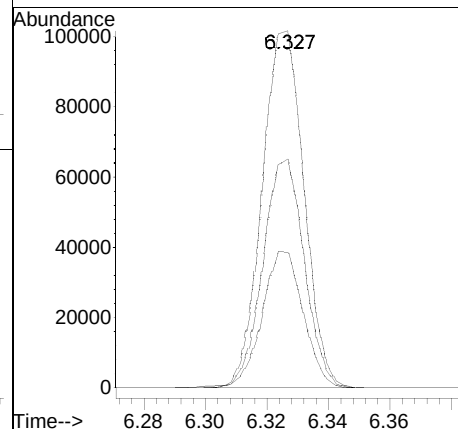
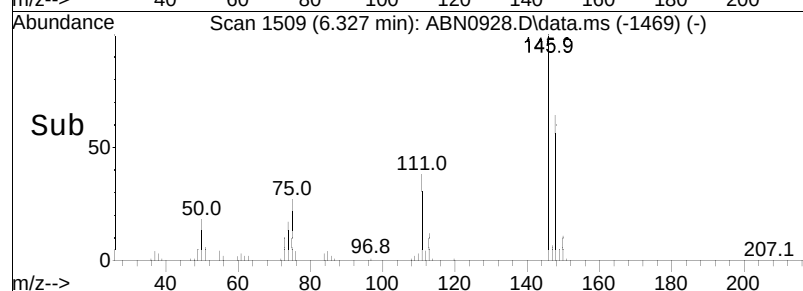
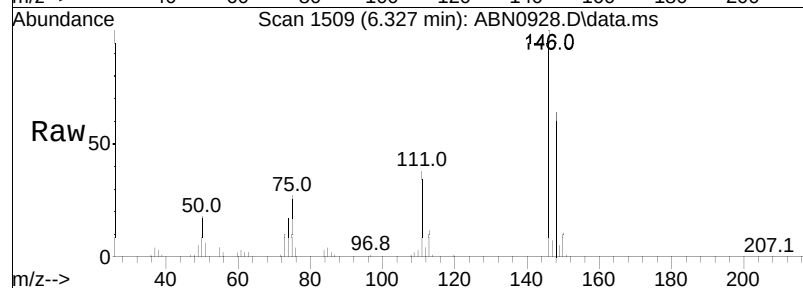
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	34.3	51.5
148	64.0	50.8	76.2

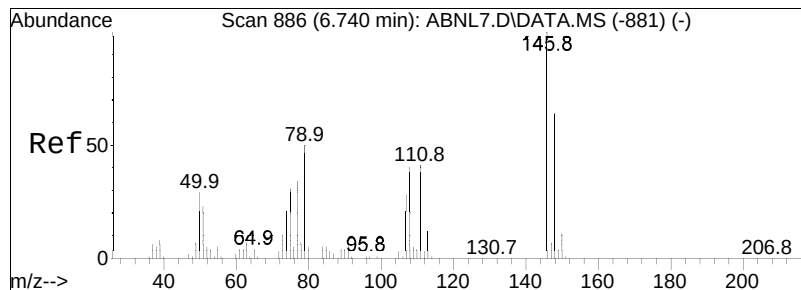




#11
 1,4-Dichlorobenzene
 Concen: 4.59 ug/ml
 RT: 6.327 min Scan# 1509
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

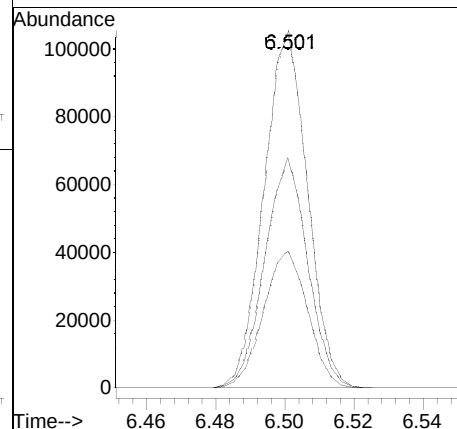
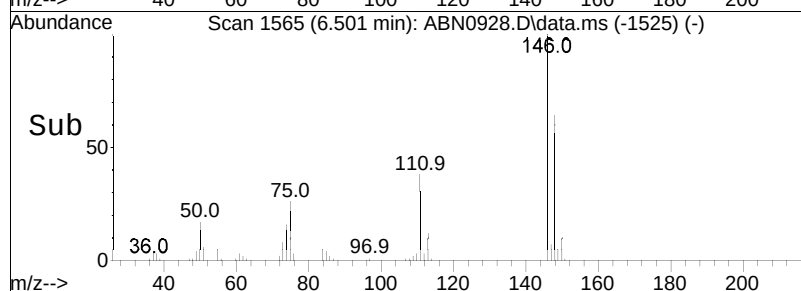
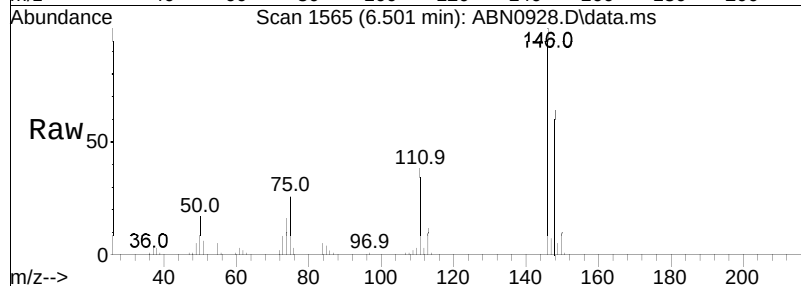
Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.7	76.1
111	38.1	33.4	50.0

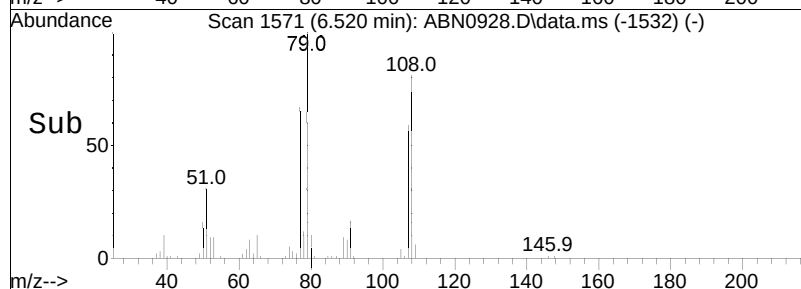
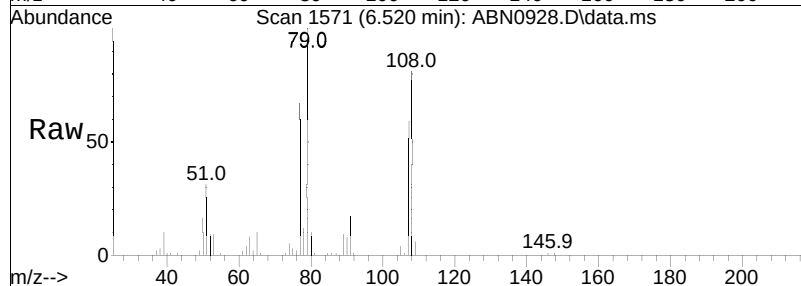
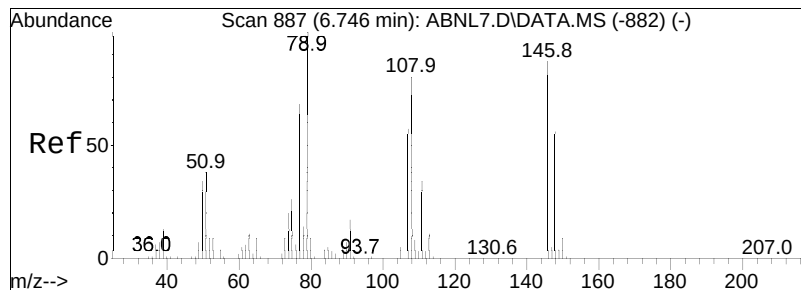




#12
 1,2-Dichlorobenzene
 Concen: 4.56 ug/ml
 RT: 6.501 min Scan# 1565
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	34.6	52.0
148	63.9	50.2	75.4





#13

Benzyl alcohol

Concen: 4.80 ug/ml

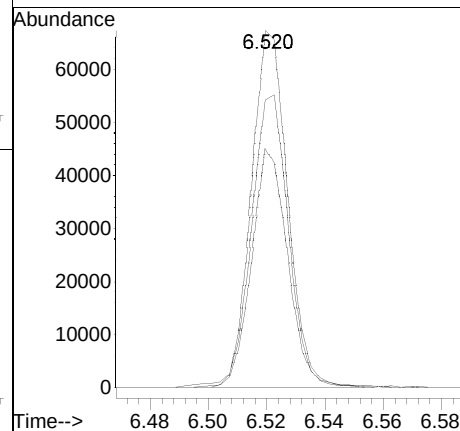
RT: 6.520 min Scan# 1571

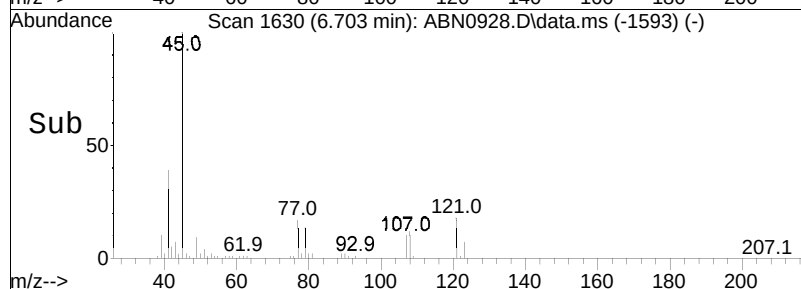
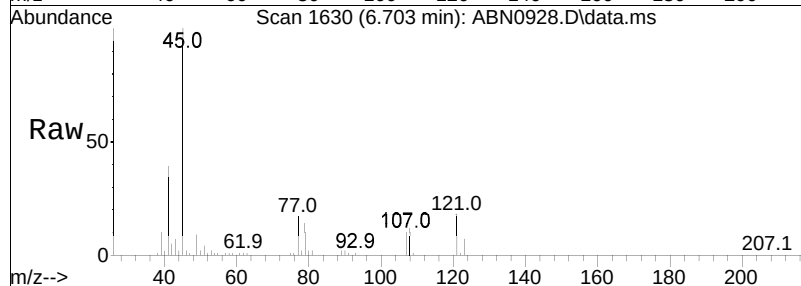
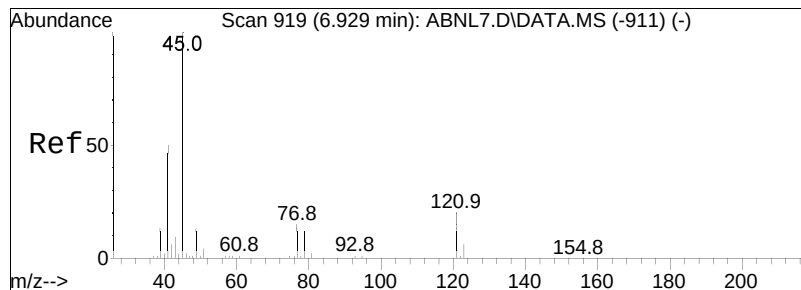
Delta R.T. -0.003 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

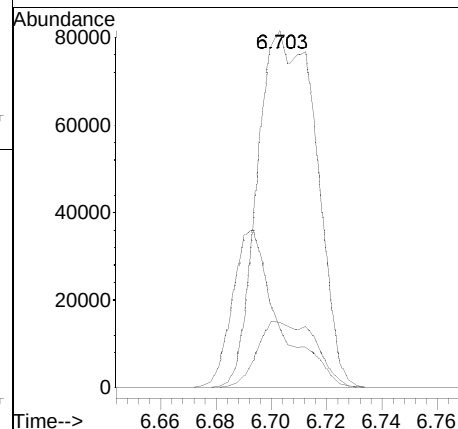
Tgt Ion:	79	Resp:	58297
Ion Ratio	Lower	Upper	
79	100		
77	66.7	54.9	82.3
108	83.7	63.1	94.7

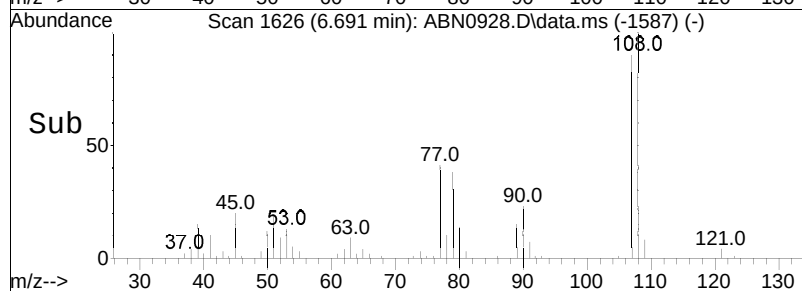
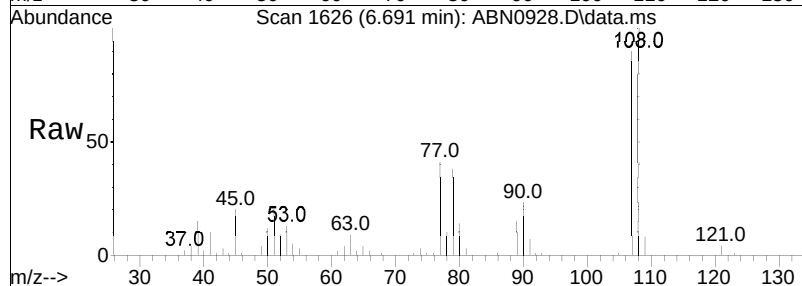
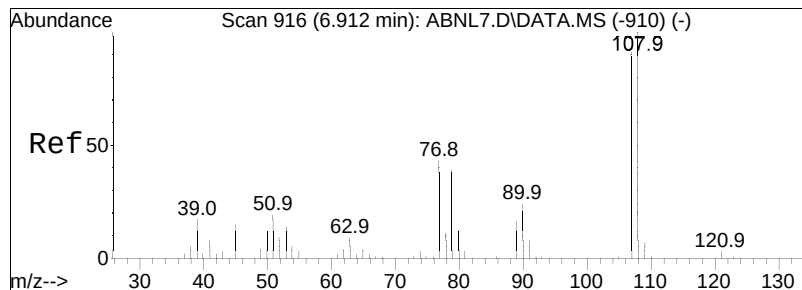




#14
 Bis(2-chloroisopropyl)ether
 Concen: 4.87 ug/ml
 RT: 6.703 min Scan# 1630
 Delta R.T. -0.009 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

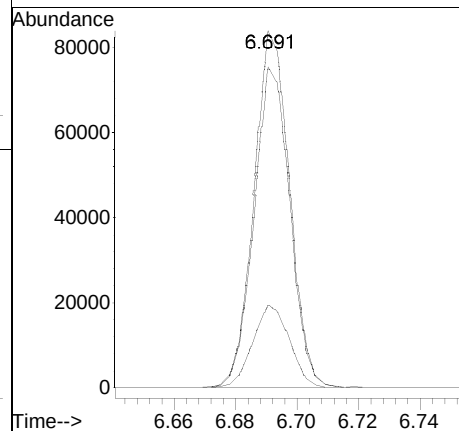
Tgt Ion	Ratio	Lower	Upper
45	100		
121	18.6	9.8	14.6#
77	35.1	6.1	9.1#

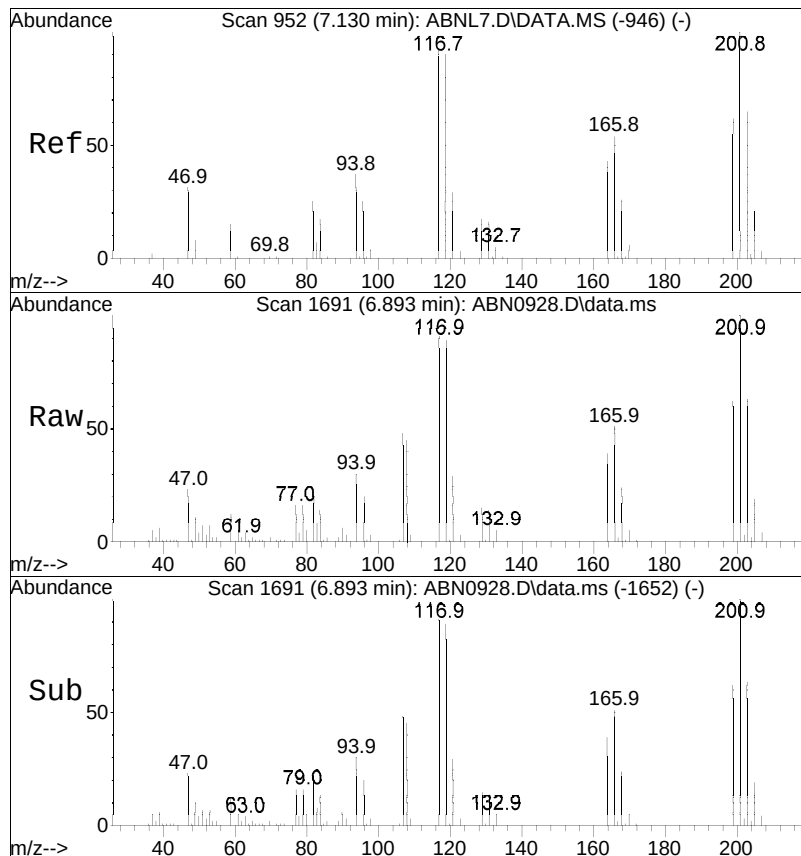




#15
 2-Methylphenol
 Concen: 4.95 ug/ml
 RT: 6.691 min Scan# 1626
 Delta R.T. -0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

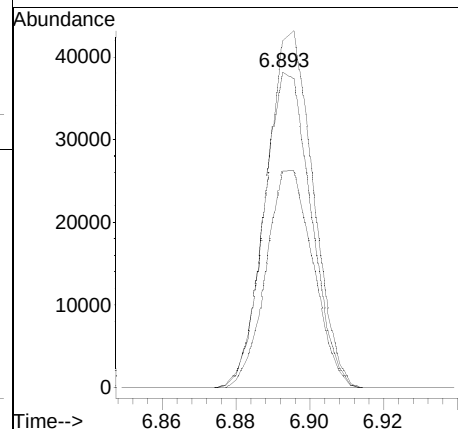
Tgt Ion	Ratio	Lower	Upper
108	100		
107	90.6	70.7	106.1
90	23.8	18.7	28.1

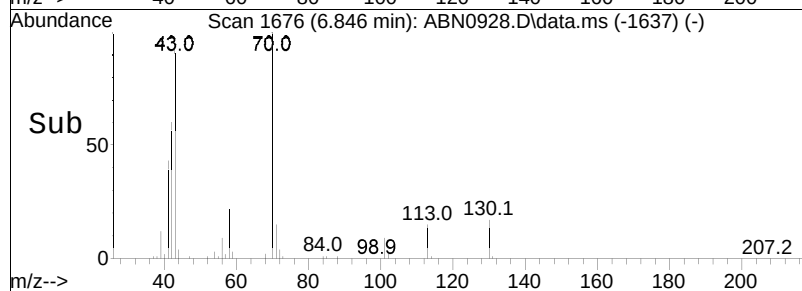
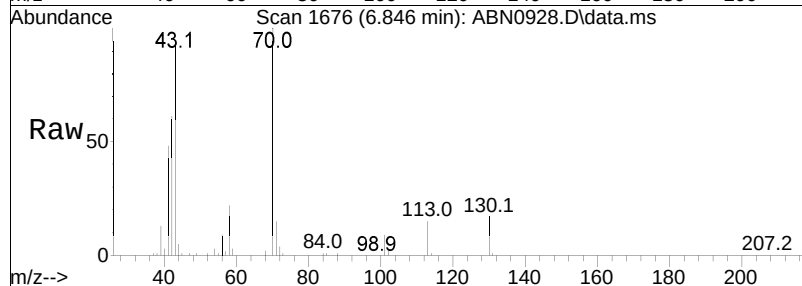
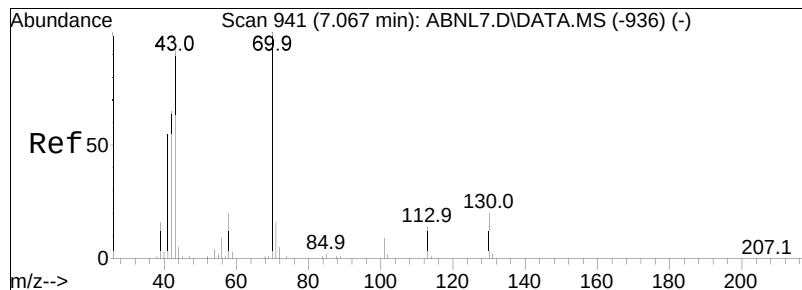




#16
 Hexachloroethane
 Concen: 4.40 ug/ml
 RT: 6.893 min Scan# 1691
 Delta R.T. -0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

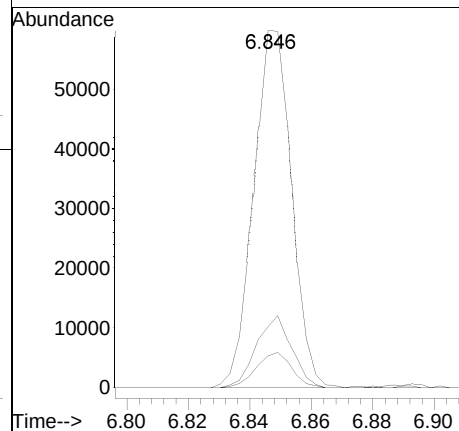
Tgt Ion:	117	Resp:	33636
Ion Ratio	Lower	Upper	
117	100		
201	112.9	58.6	87.8#
199	69.2	36.9	55.3#

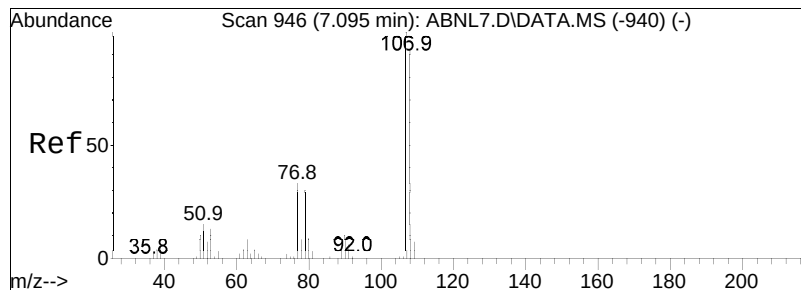




#17
 n-Nitrosodi-n-propylamine
 Concen: 4.75 ug/ml
 RT: 6.846 min Scan# 1676
 Delta R.T. -0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

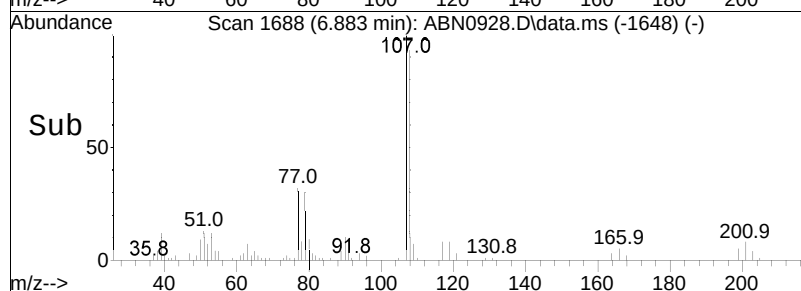
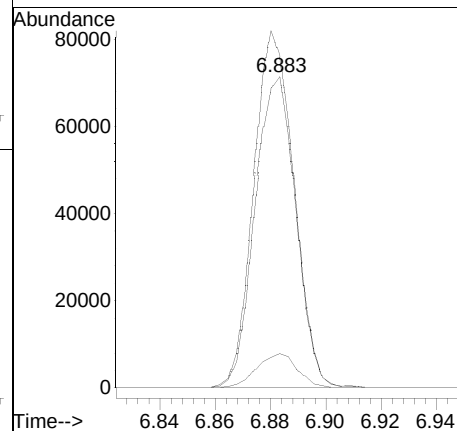
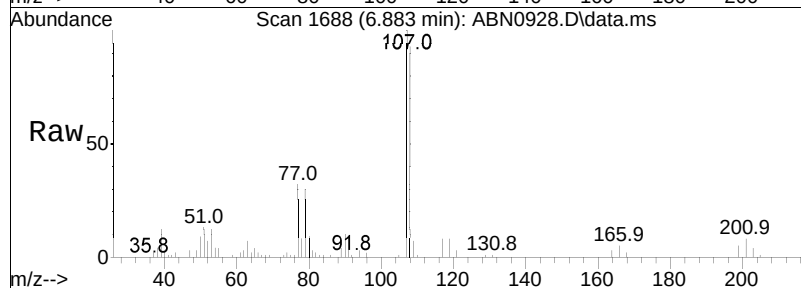
Tgt Ion	Ratio	Resp	Lower	Upper
70	100	51186		
130	18.7		18.2	27.4
101	9.2		7.8	11.8

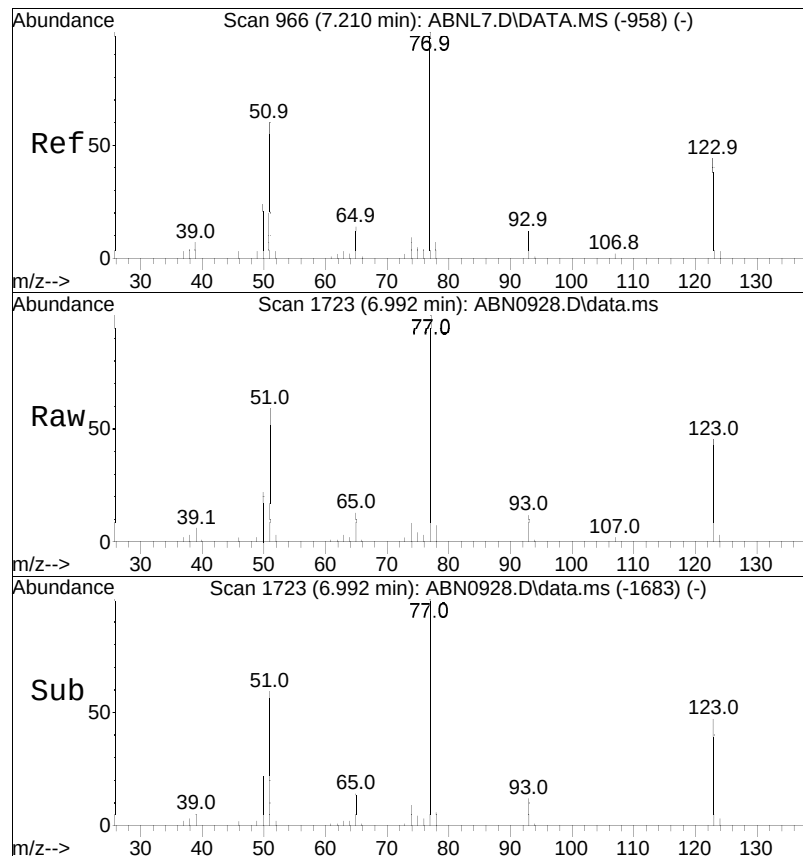




#18
 3-Methylphenol/4-Methylphenol
 Concen: 5.06 ug/ml
 RT: 6.883 min Scan# 1688
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

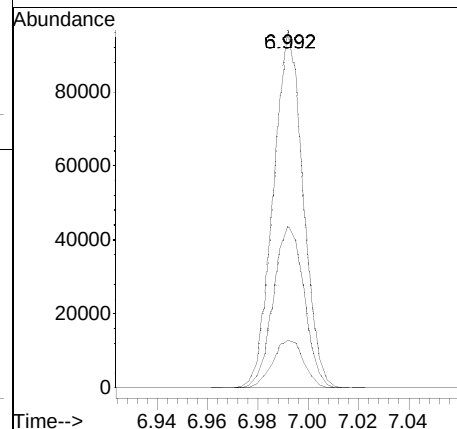
Tgt Ion	Ratio	Lower	Upper
108	100		
107	113.4	88.6	132.8
90	10.8	8.8	13.2

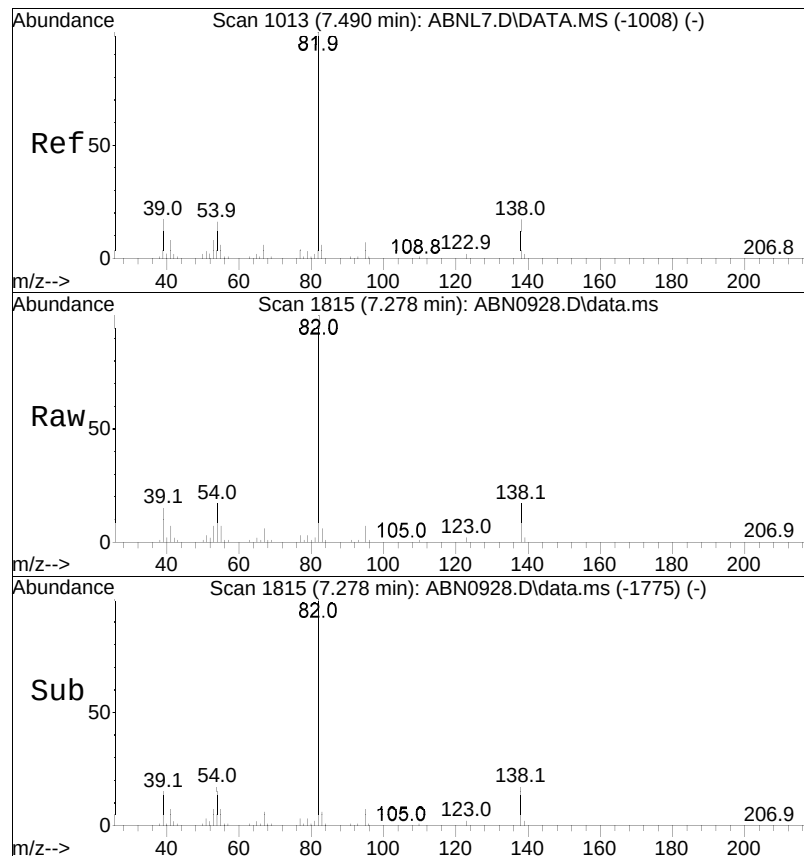




#20
 Nitrobenzene
 Concen: 5.07 ug/ml
 RT: 6.992 min Scan# 1723
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

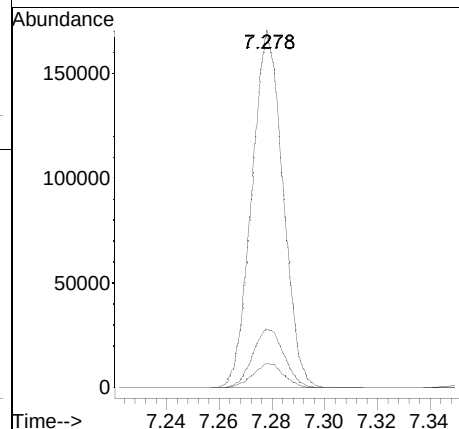
Tgt Ion:	77	Resp:	78934
Ion Ratio	Lower	Upper	
77	100		
123	46.9	36.3	54.5
65	14.1	11.6	17.4

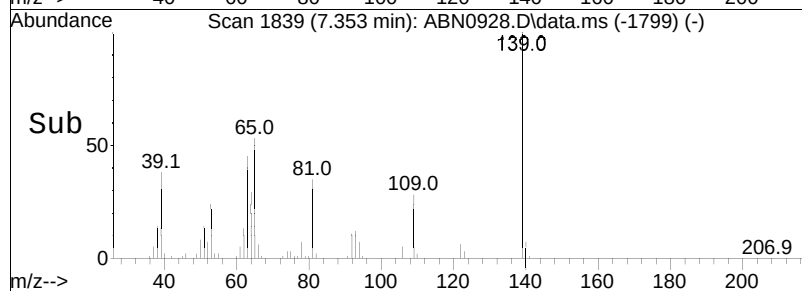
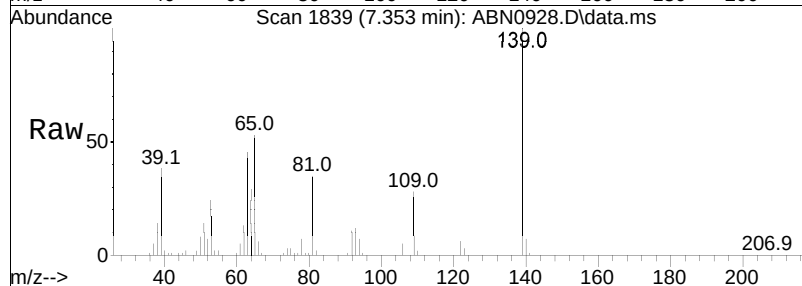
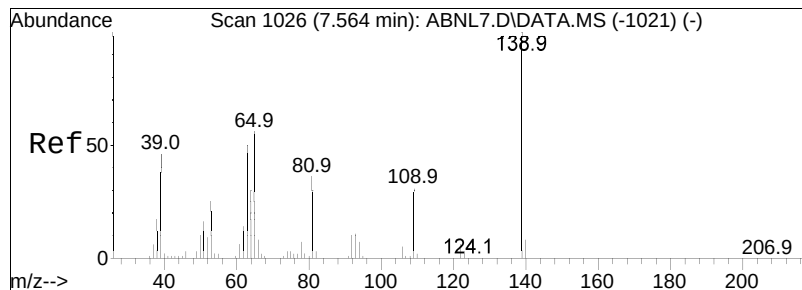




#21
 Isophorone
 Concen: 4.89 ug/ml
 RT: 7.278 min Scan# 1815
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion:	82	Resp:	138021
Ion Ratio	Lower	Upper	
82	100		
138	16.8	14.7	22.1
95	6.8	5.2	7.8





#22

2-Nitrophenol

Concen: 6.00 ug/ml

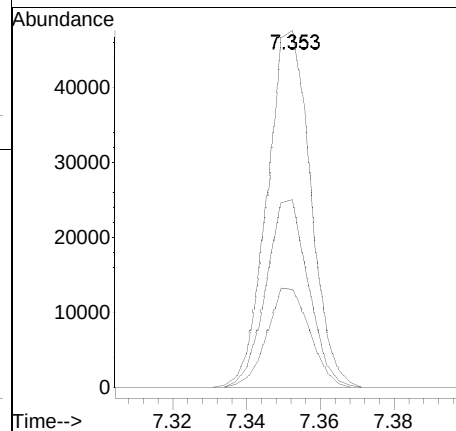
RT: 7.353 min Scan# 1839

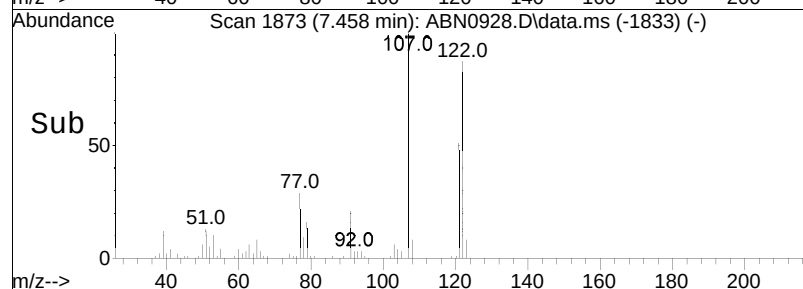
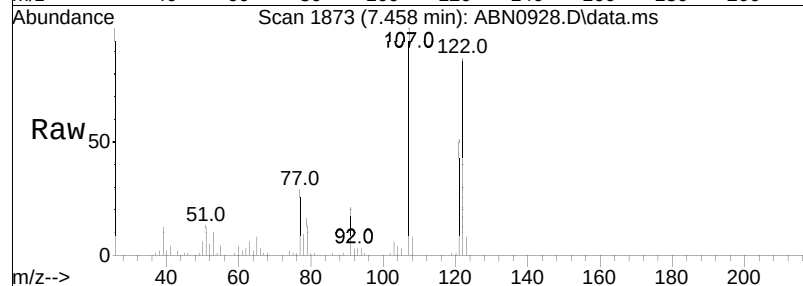
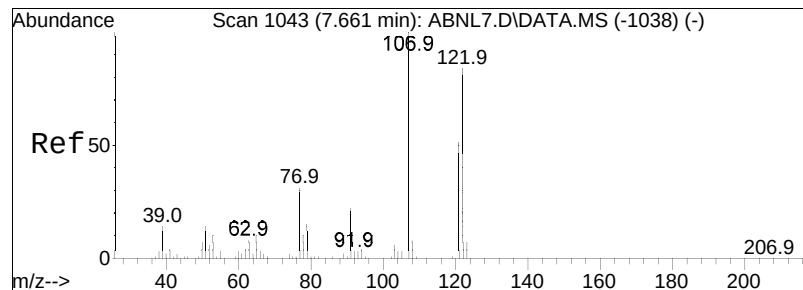
Delta R.T. -0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

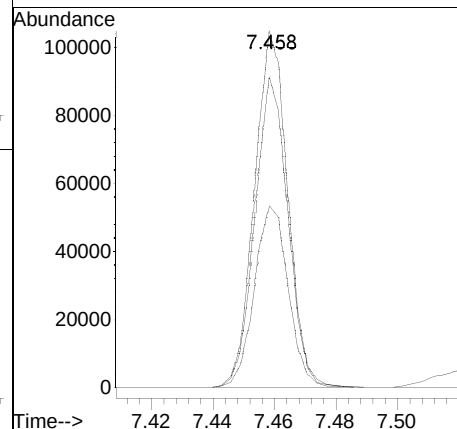
Tgt	Ion:139	Resp:	38778
Ion	Ratio	Lower	Upper
139	100		
109	27.6	19.4	29.0
65	51.4	46.1	69.1

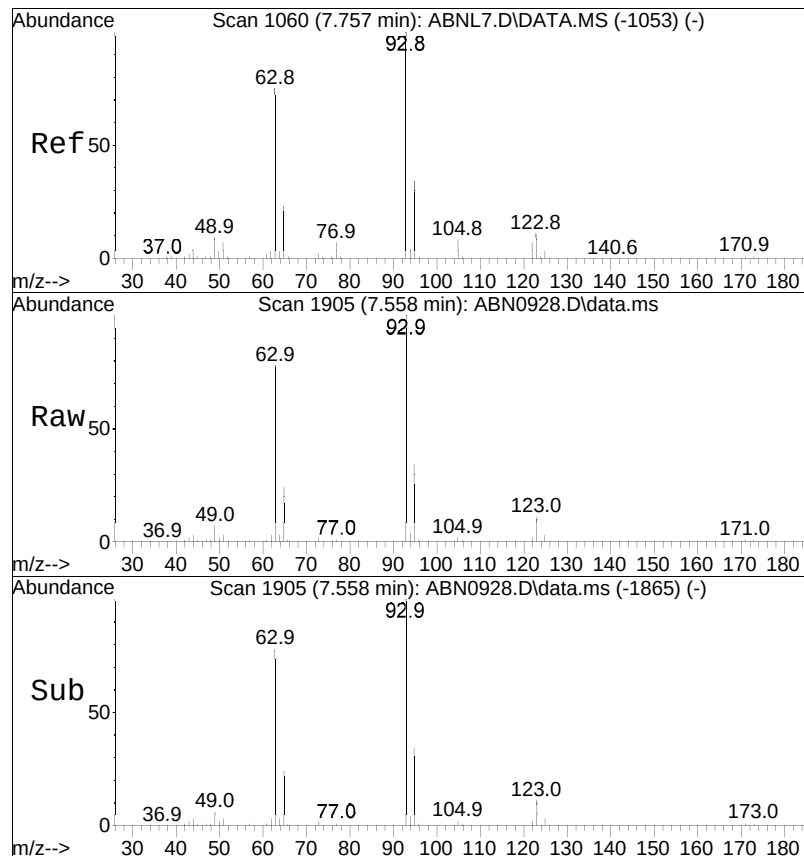




#23
 2,4-Dimethylphenol
 Concen: 5.19 ug/ml
 RT: 7.458 min Scan# 1873
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

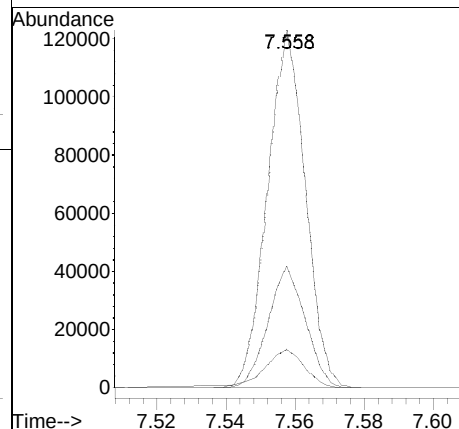
Tgt Ion:	107	Resp:	78321
Ion Ratio	Lower	Upper	
107	100		
121	52.1	40.0	60.0
122	86.4	70.2	105.4

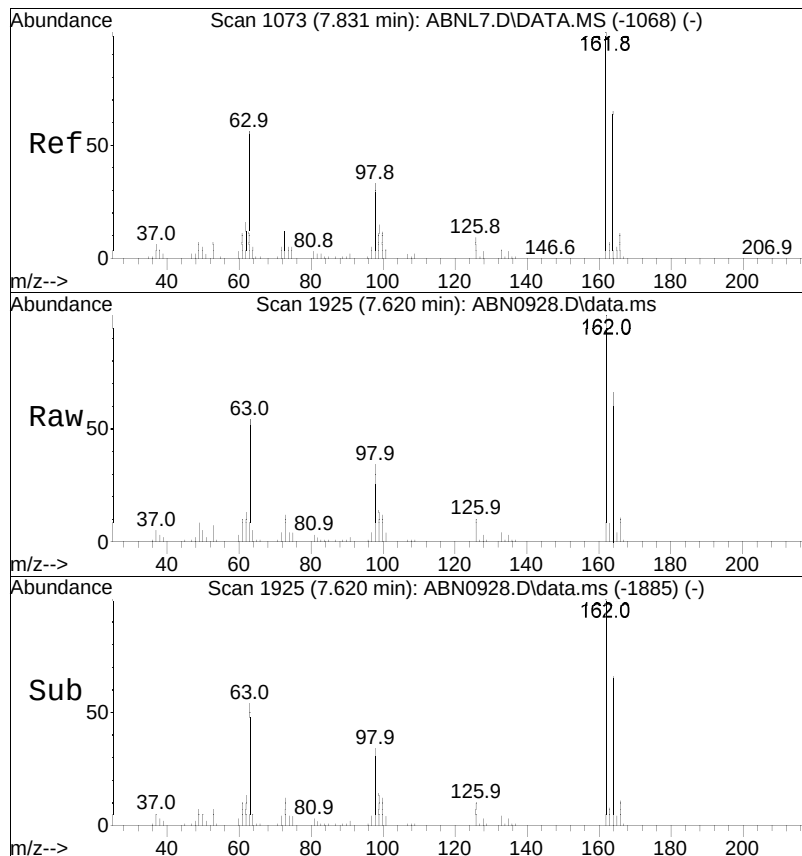




#24
 Bis(2-chloroethoxy)methane
 Concen: 4.88 ug/ml
 RT: 7.558 min Scan# 1905
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

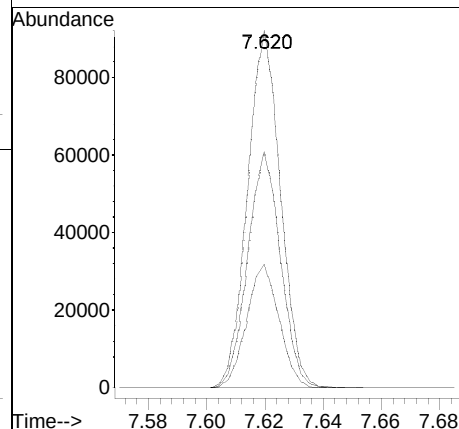
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	92511		
95	33.5		25.8	38.8
123	12.6		10.1	15.1

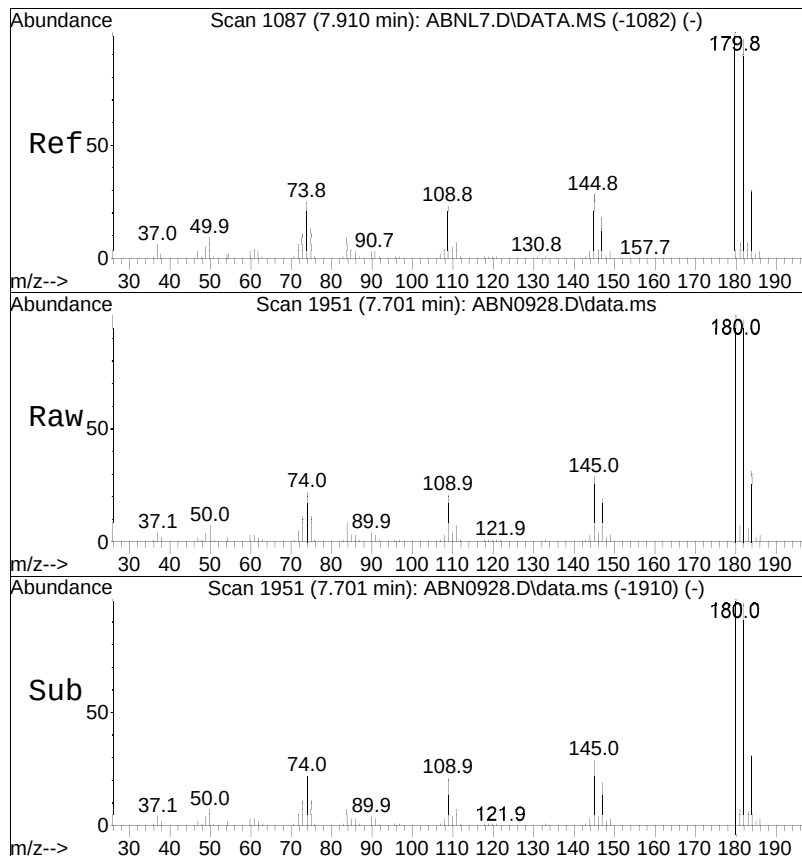




#25
 2,4-Dichlorophenol
 Concen: 4.94 ug/ml
 RT: 7.620 min Scan# 1925
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

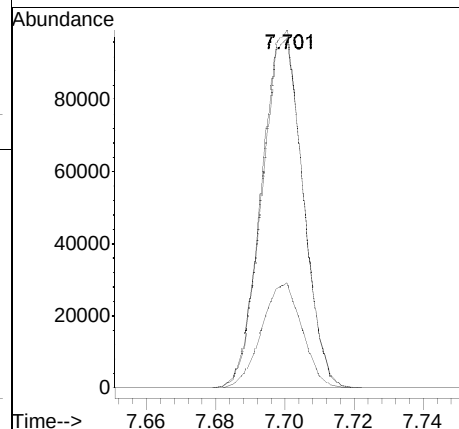
Tgt Ion:	162	Resp:	71731
Ion Ratio	Lower	Upper	
162	100		
164	65.7	51.0	76.4
98	34.1	32.2	48.2

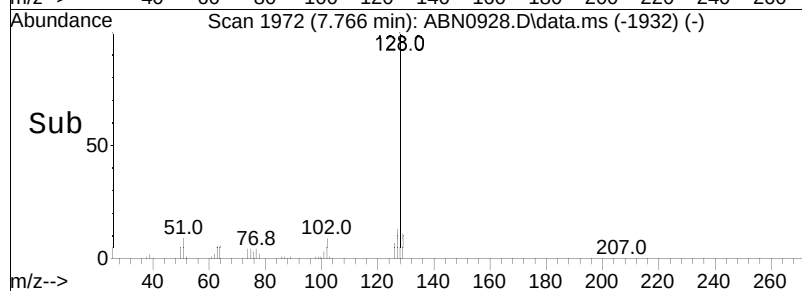
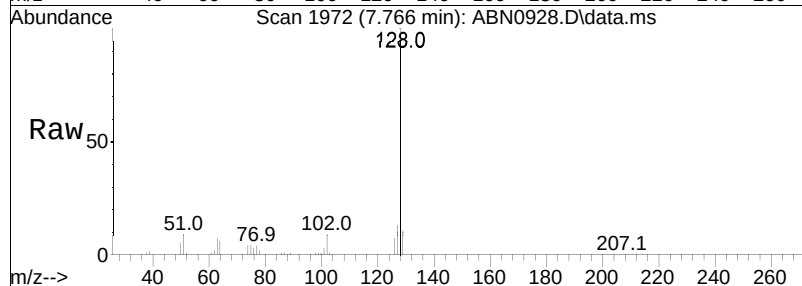
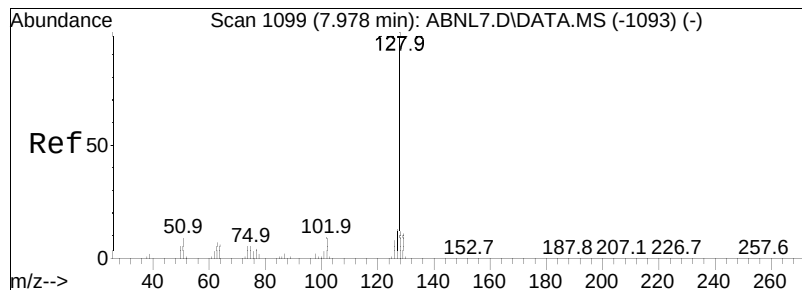




#26
 1,2,4-Trichlorobenzene
 Concen: 4.30 ug/ml
 RT: 7.701 min Scan# 1951
 Delta R.T. 0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion:	180	Resp:	81473
Ion Ratio	Lower	Upper	
180	100		
182	97.5	76.0	114.0
145	28.9	25.7	38.5





#36

Naphthalene

Concen: 4.60 ug/ml

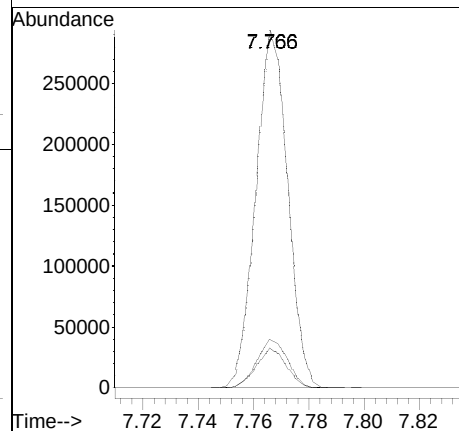
RT: 7.766 min Scan# 1972

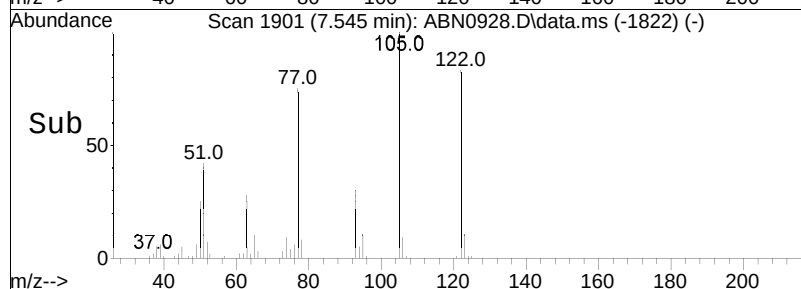
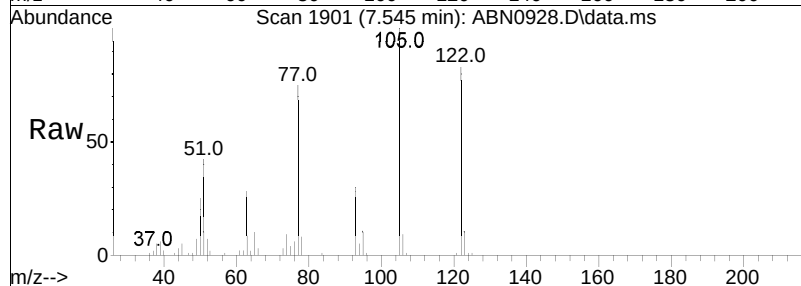
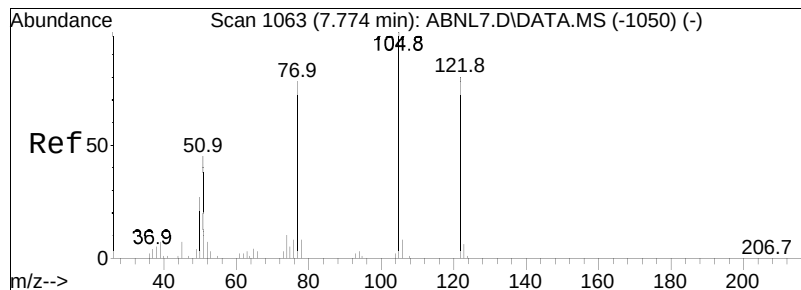
Delta R.T. -0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

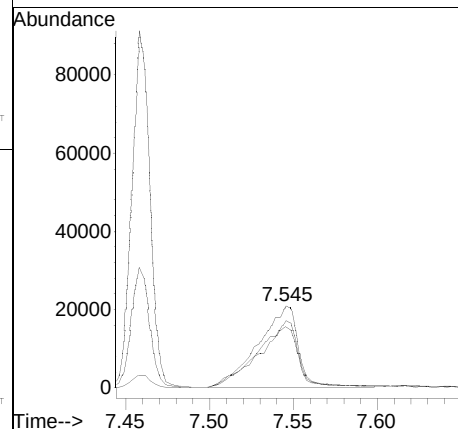
Tgt Ion:	128	Resp:	232428
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.7	13.1
127	13.3	10.3	15.5

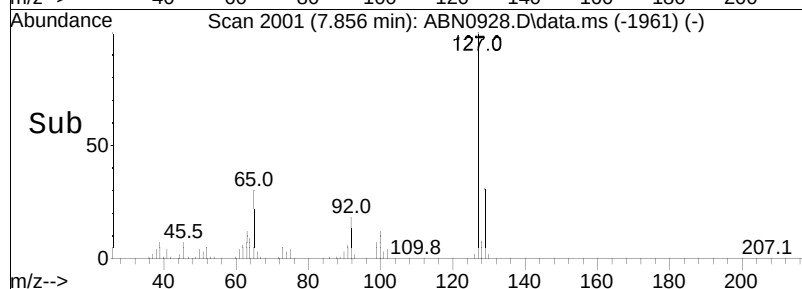
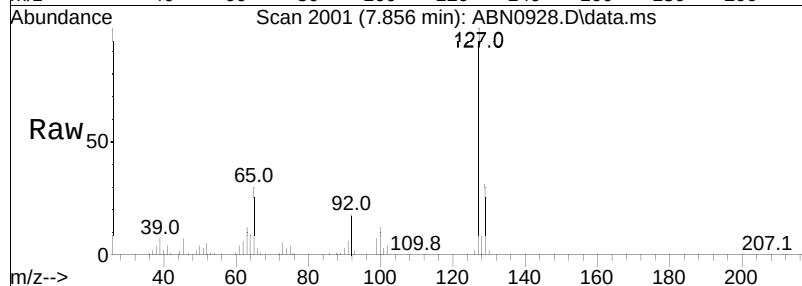
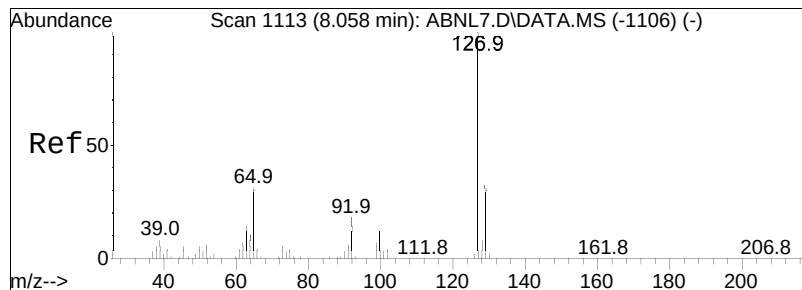




#37
Benzoic Acid
Concen: 4.41 ug/ml
RT: 7.545 min Scan# 1901
Delta R.T. -0.003 min
Lab File: ABN0928.D
Acq: 28 Sep 2025 7:00 pm

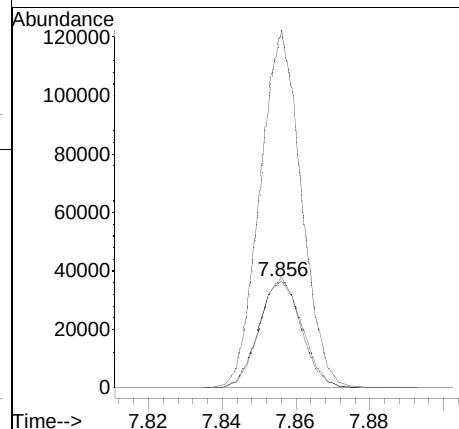
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	35239		
122	81.7		59.9	89.9
77	75.7		60.1	90.1

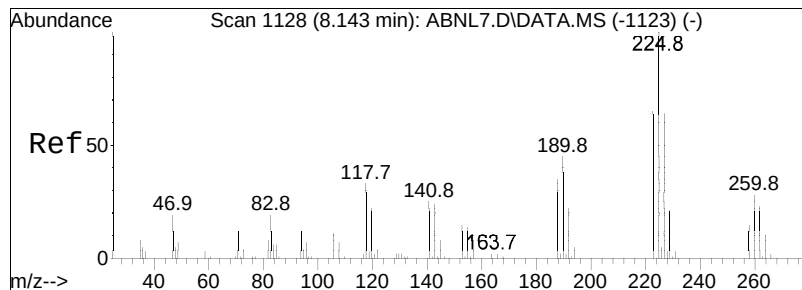




#38
 4-Chloroaniline
 Concen: 5.11 ug/ml
 RT: 7.856 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion:	65	Resp:	29317
Ion Ratio	Lower	Upper	
65	100		
127	322.6	237.6	356.4
129	101.9	76.3	114.5





#39

Hexachlorobutadiene

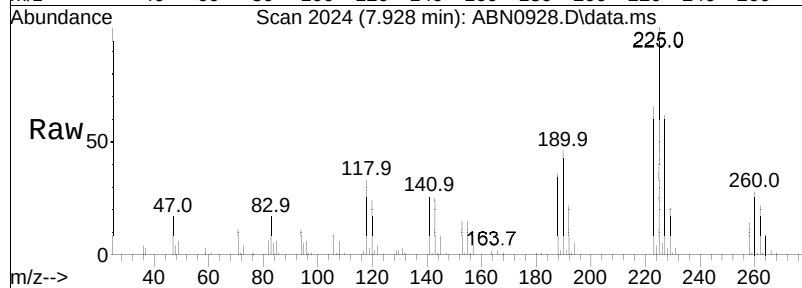
Concen: 4.22 ug/ml

RT: 7.928 min Scan# 2024

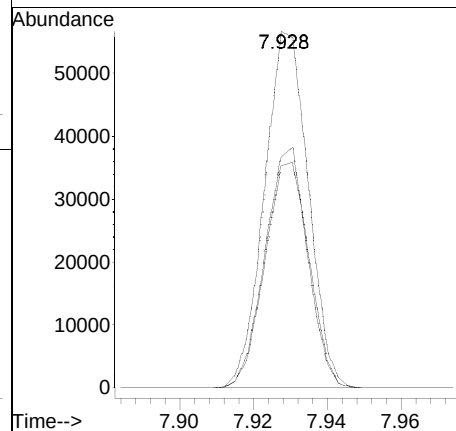
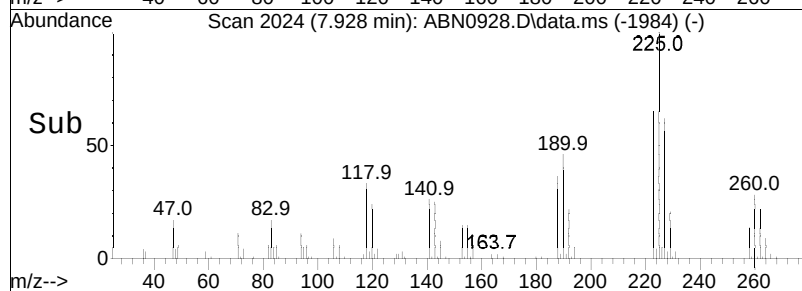
Delta R.T. -0.000 min

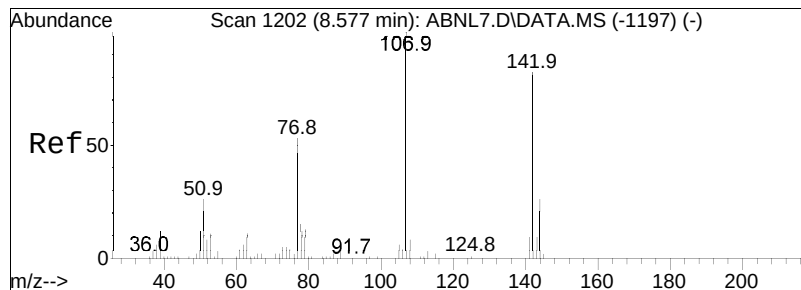
Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm



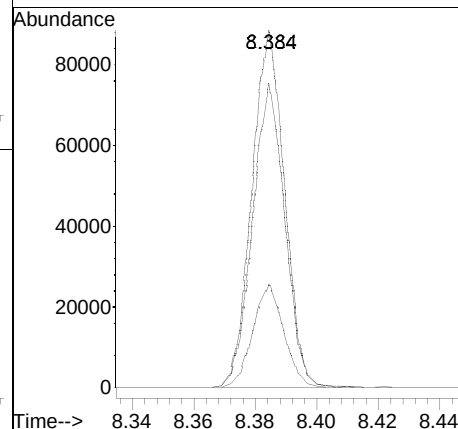
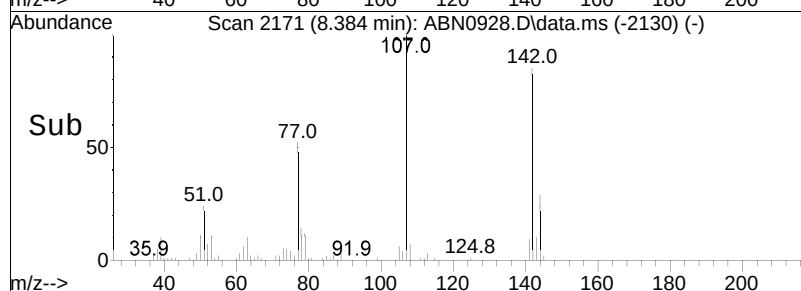
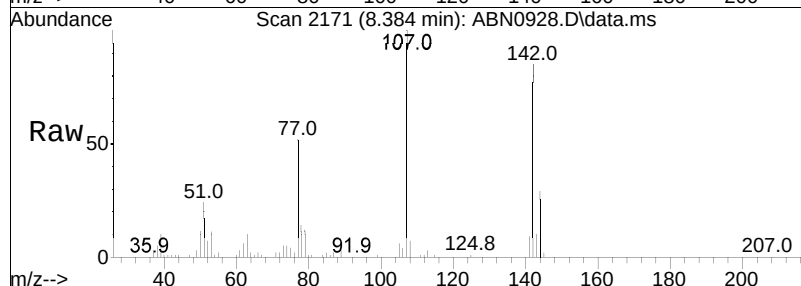
Tgt Ion:	225	Resp:	46669
Ion Ratio	Lower	Upper	
225	100		
223	65.6	50.3	75.5
227	64.1	52.2	78.2

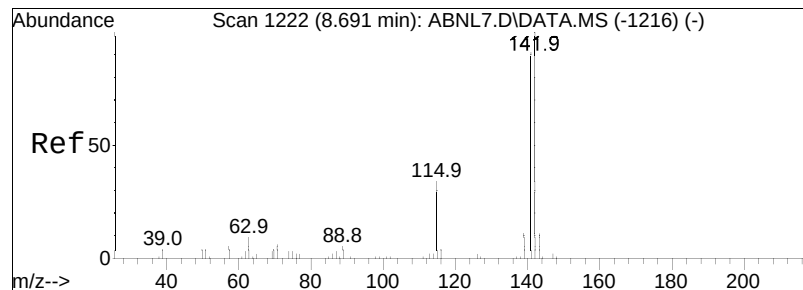




#40
 p-Chloro-m-cresol
 Concen: 5.27 ug/ml
 RT: 8.384 min Scan# 2171
 Delta R.T. 0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

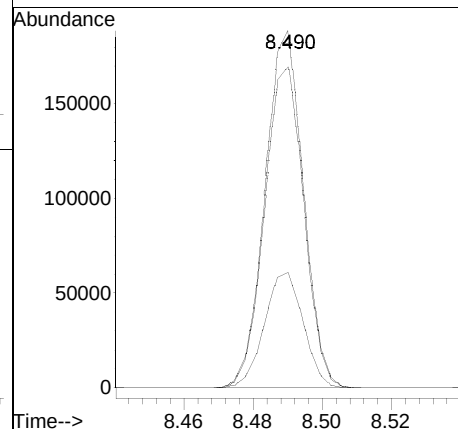
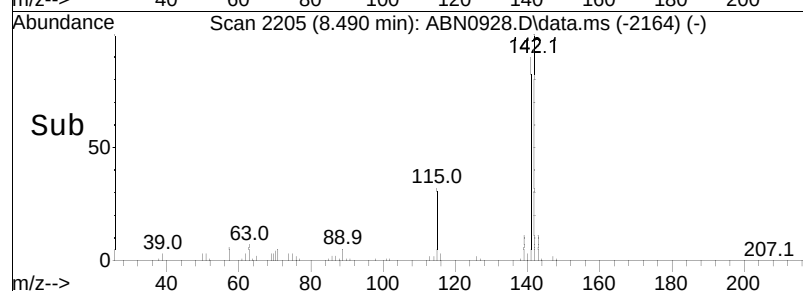
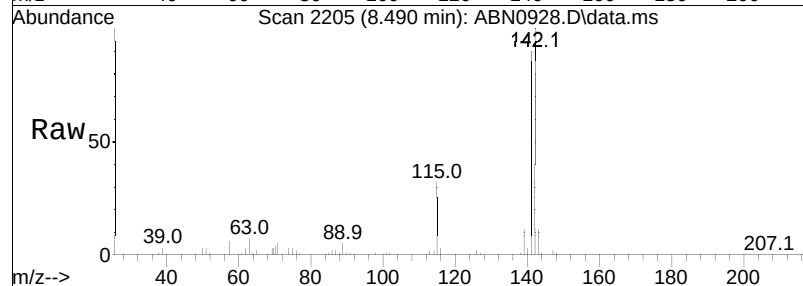
Tgt Ion:	107	Resp:	64444
Ion Ratio	Lower	Upper	
107	100		
144	27.7	20.9	31.3
142	84.5	66.1	99.1

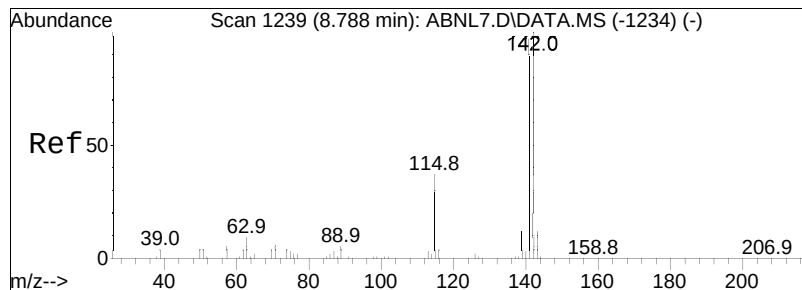




#41
 2-Methylnaphthalene
 Concen: 4.79 ug/ml
 RT: 8.490 min Scan# 2205
 Delta R.T. 0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

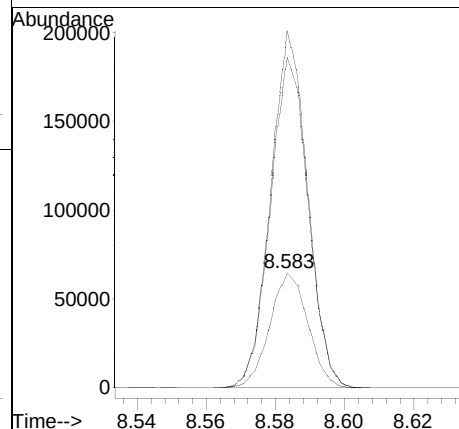
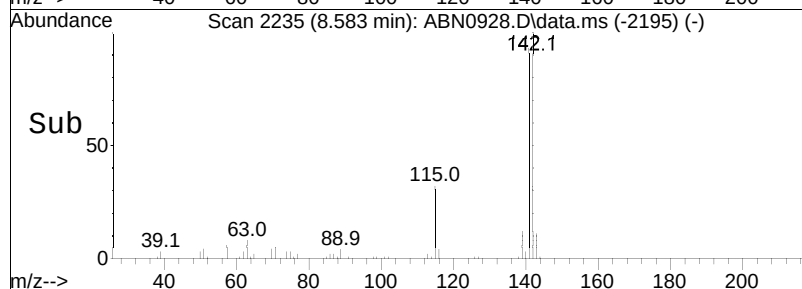
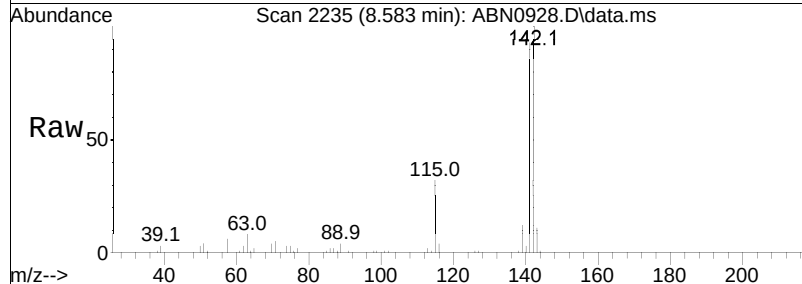
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	145069		
141	92.1		69.6	104.4
115	32.8		26.6	40.0

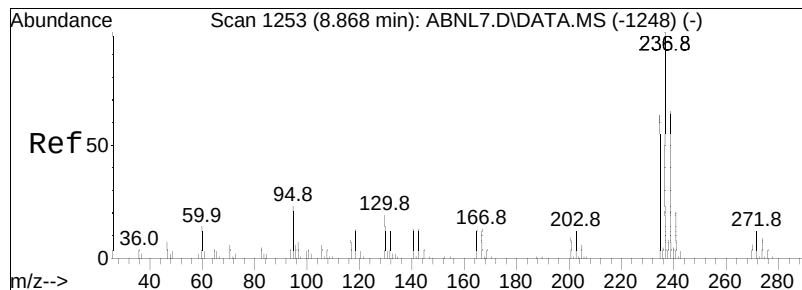




#42
 1-Methylnaphthalene
 Concen: 4.34 ug/ml
 RT: 8.583 min Scan# 2235
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

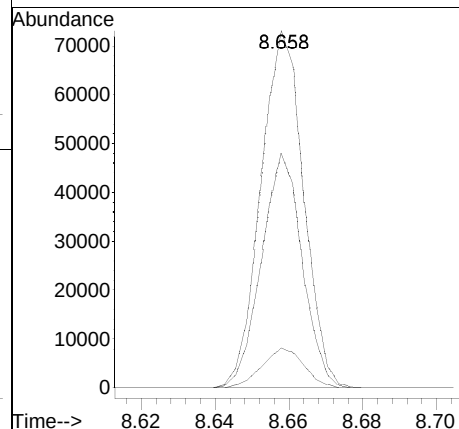
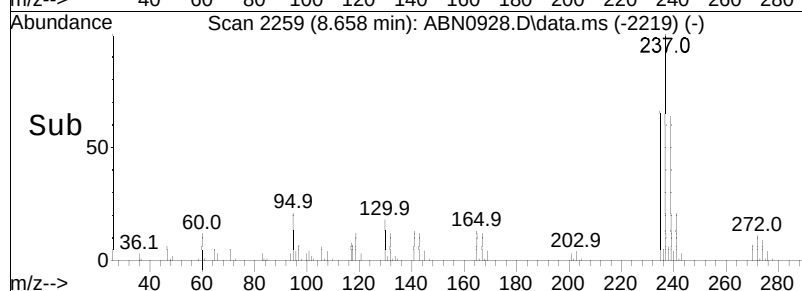
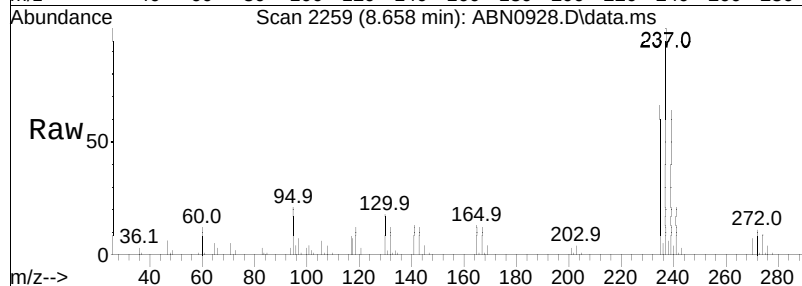
Tgt Ion	Ratio	Lower	Upper
115	100		
141	283.0	207.8	311.6
142	299.0	226.8	340.2

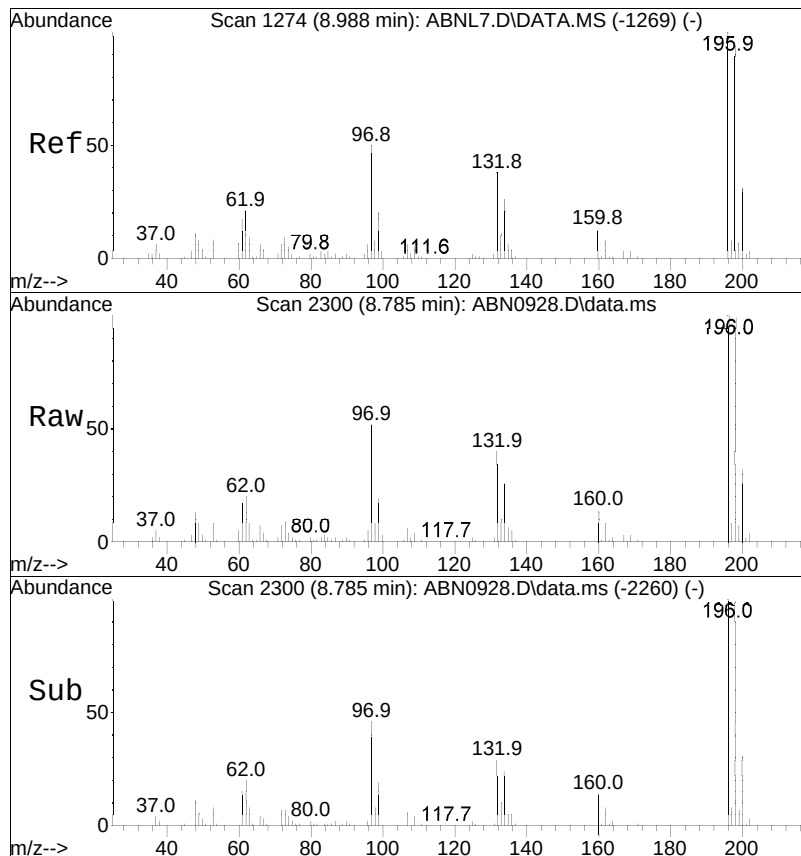




#43
 Hexachlorocyclopentadiene
 Concen: 5.01 ug/ml
 RT: 8.658 min Scan# 2259
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

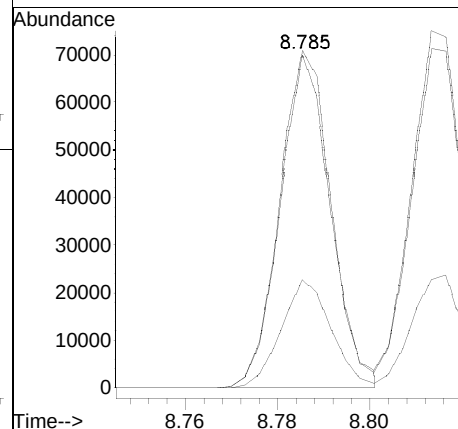
Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.6	49.7	74.5
272	11.1	9.8	14.6

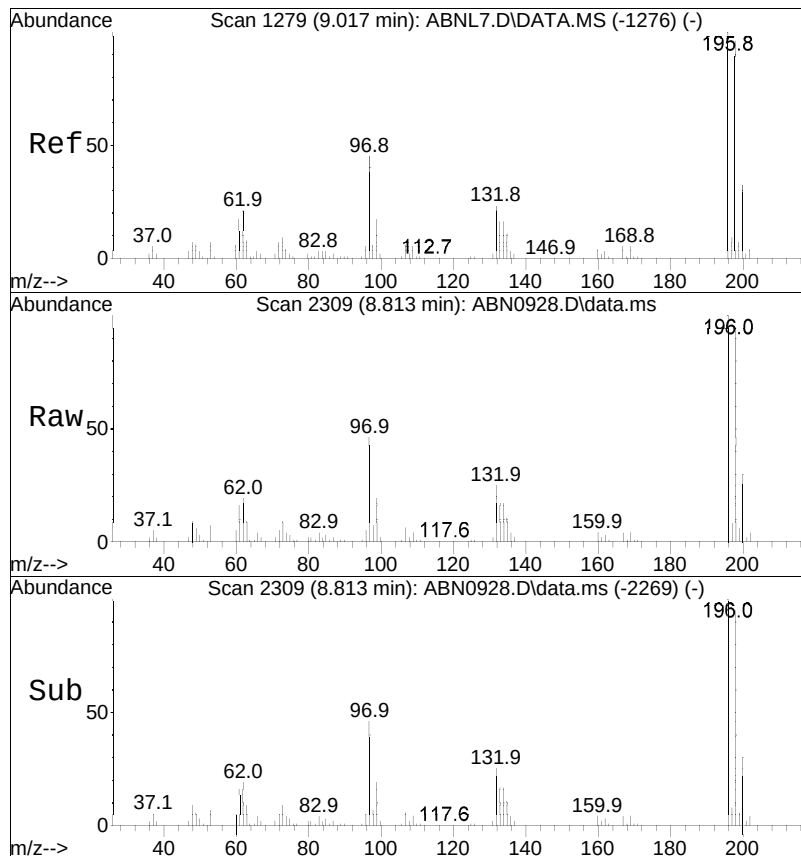




#44
 2,4,6-Trichlorophenol
 Concen: 5.35 ug/ml
 RT: 8.785 min Scan# 2300
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

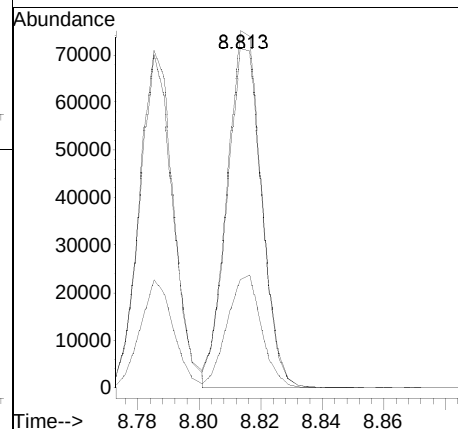
Tgt Ion:	196	Resp:	54981
Ion Ratio	Lower	Upper	
196	100		
198	96.0	77.5	116.3
200	31.1	23.8	35.6

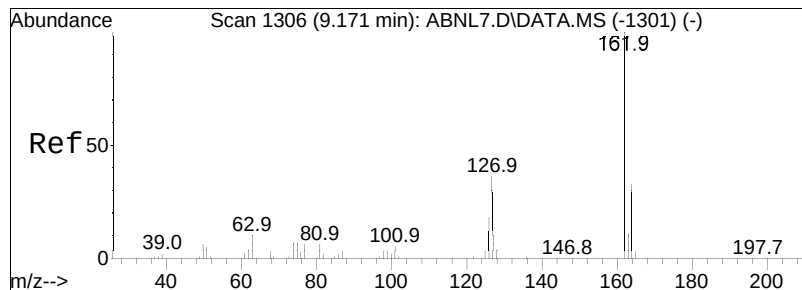




#45
 2,4,5-Trichlorophenol
 Concen: 5.36 ug/ml
 RT: 8.813 min Scan# 2309
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

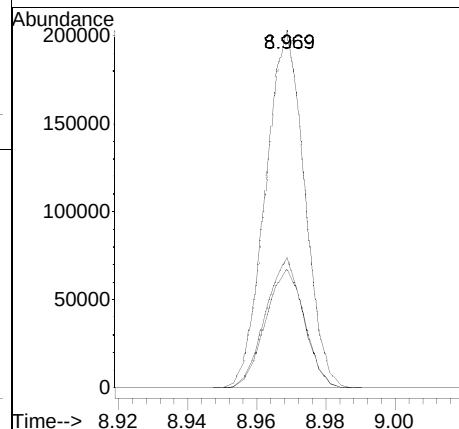
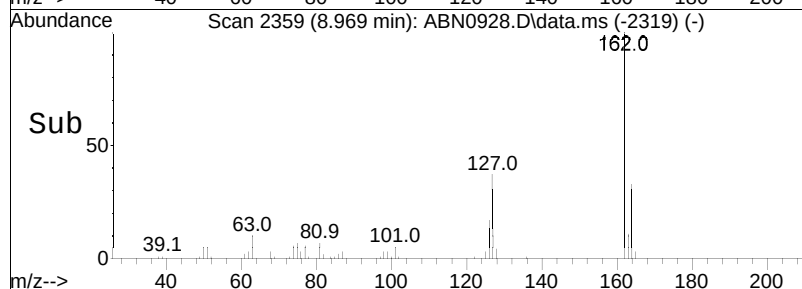
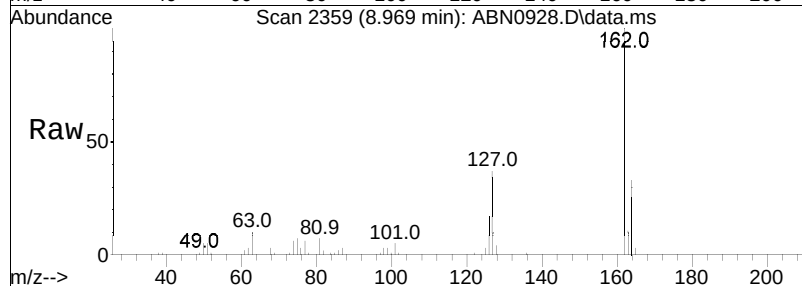
Tgt Ion:	196	Resp:	59033
Ion Ratio	Lower	Upper	
196	100		
200	31.3	25.4	38.0
198	95.3	78.0	117.0

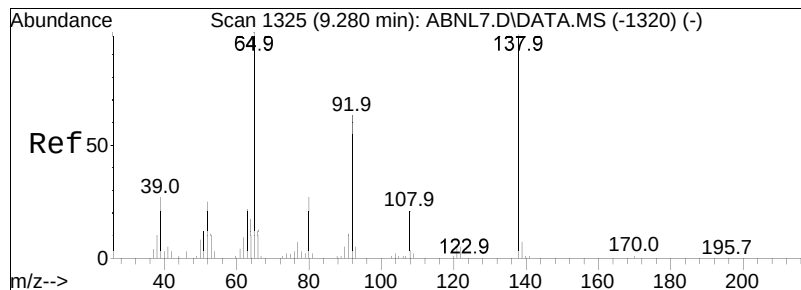




#47
 2-Chloronaphthalene
 Concen: 4.49 ug/ml
 RT: 8.969 min Scan# 2359
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	157800		
127	35.6		32.2	48.4
164	33.3		25.7	38.5





#48

2-Nitroaniline

Concen: 5.69 ug/ml

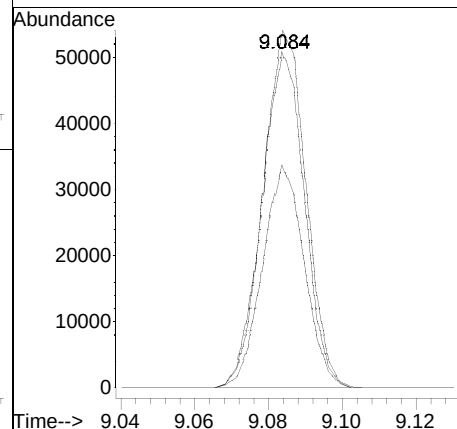
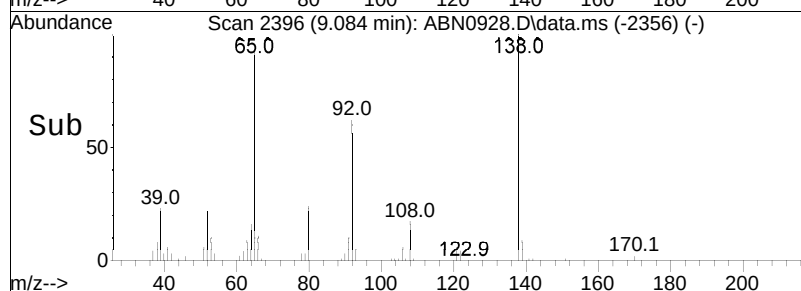
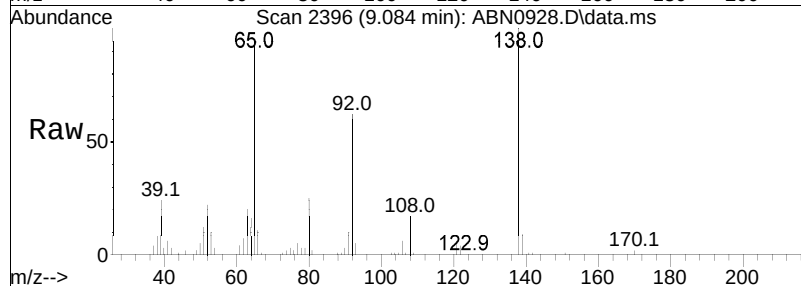
RT: 9.084 min Scan# 2396

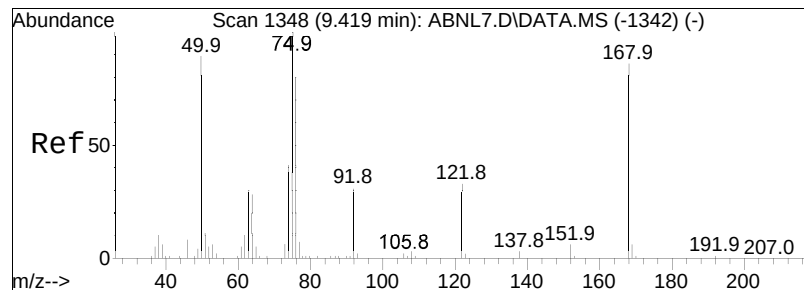
Delta R.T. -0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

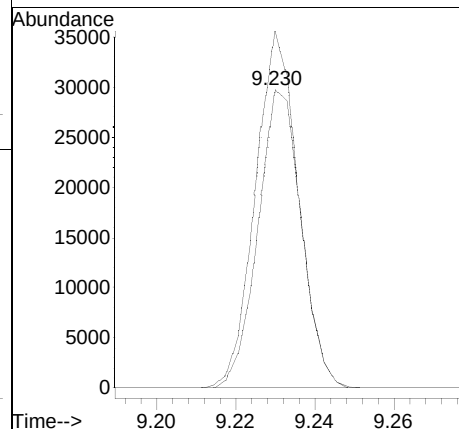
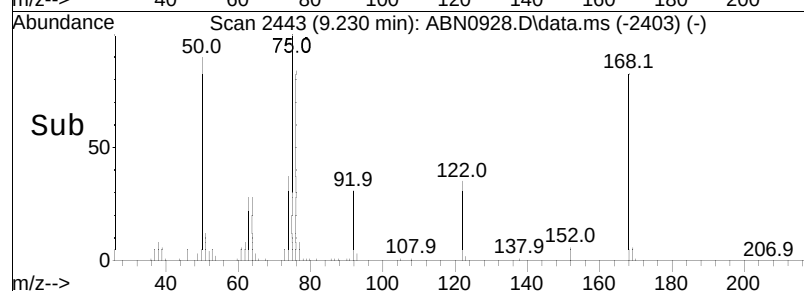
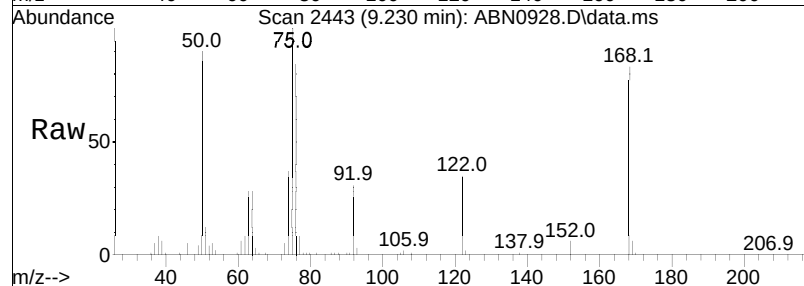
Tgt	Ion:138	Resp:	43281
Ion	Ratio	Lower	Upper
138	100		
92	60.7	53.5	80.3
65	93.2	86.3	129.5

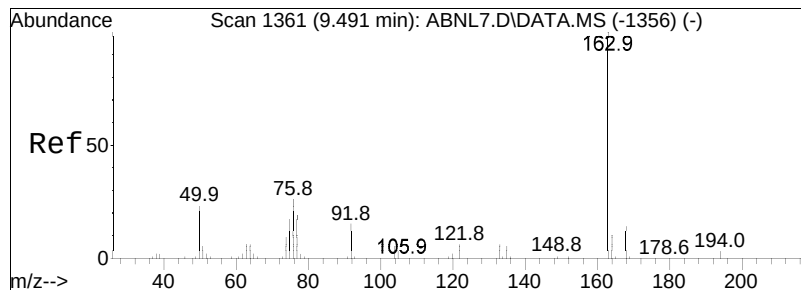




#49
 1,4-Dinitrobenzene
 Concen: 6.12 ug/ml
 RT: 9.230 min Scan# 2443
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

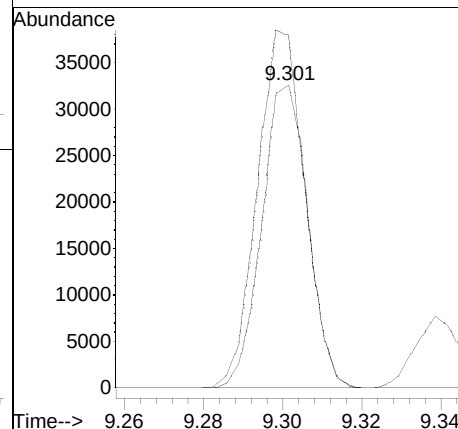
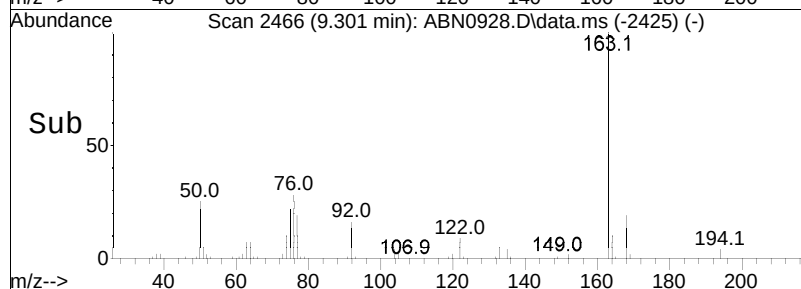
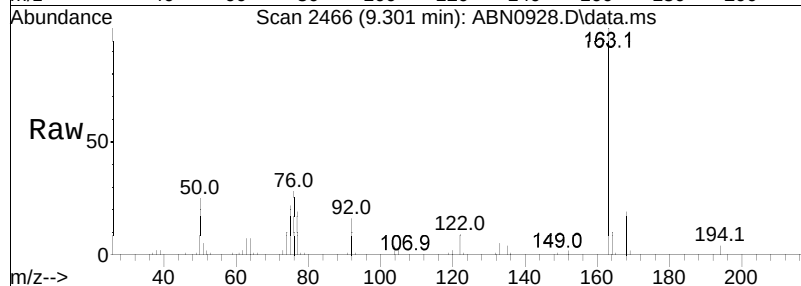
Tgt Ion	Ratio	Lower	Upper
168	100		
75	118.3	121.8	182.8#

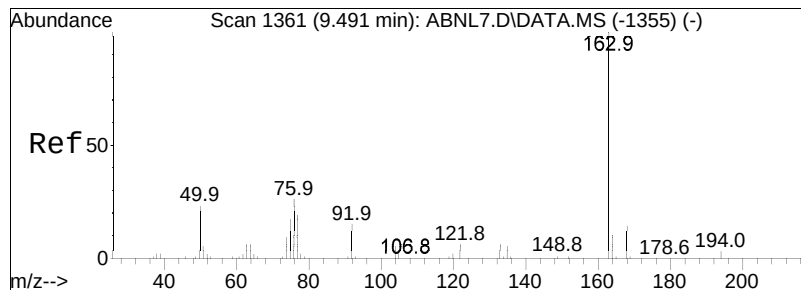




#50
 1,3-Dinitrobenzene
 Concen: 5.91 ug/ml
 RT: 9.301 min Scan# 2466
 Delta R.T. 0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion:168 Resp: 26227
 Ion Ratio Lower Upper
 168 100
 75 121.2 22.7 34.1#





#51

Dimethyl phthalate

Concen: 4.96 ug/ml

RT: 9.298 min Scan# 2465

Delta R.T. 0.003 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

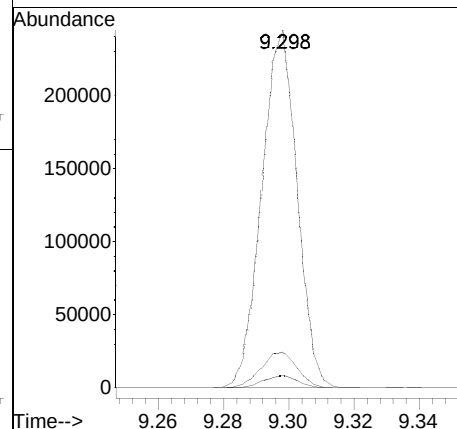
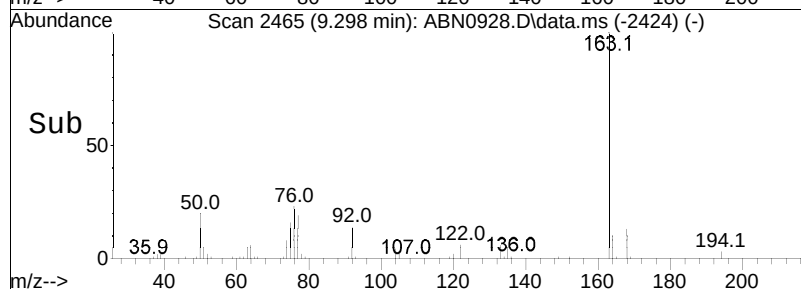
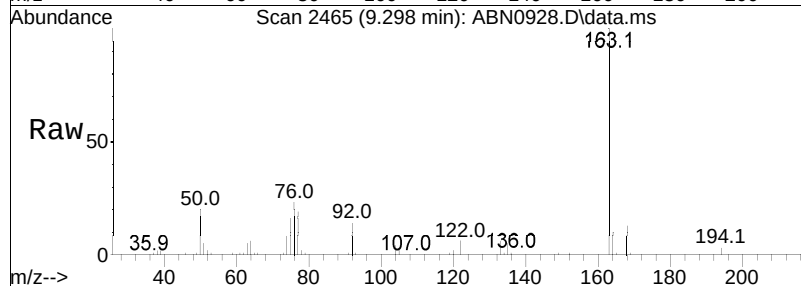
Tgt Ion:163 Resp: 182708

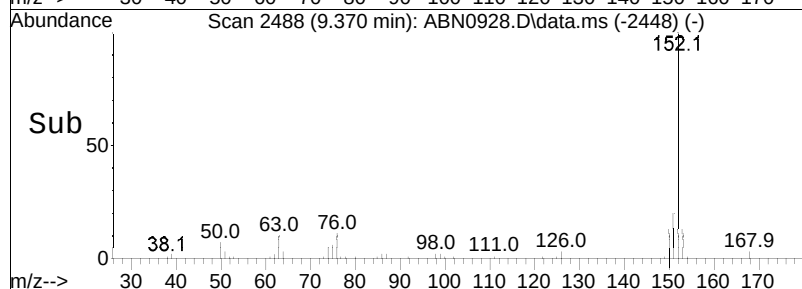
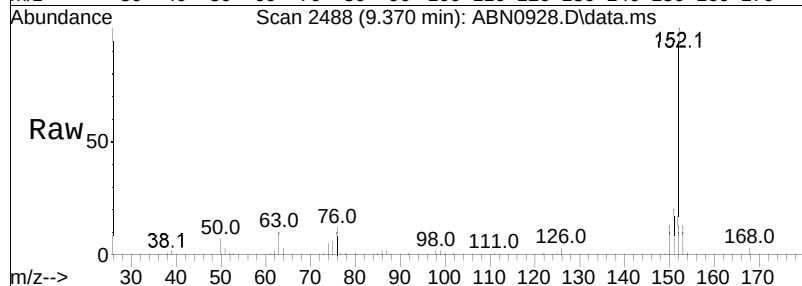
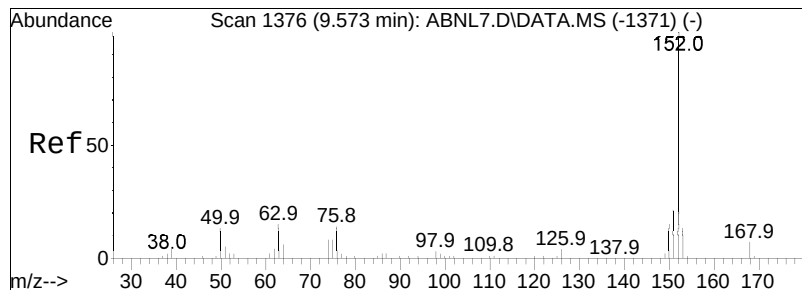
Ion Ratio Lower Upper

163 100

194 3.4 3.5 5.3#

164 10.4 7.9 11.9





#52

Acenaphthylene

Concen: 4.84 ug/ml

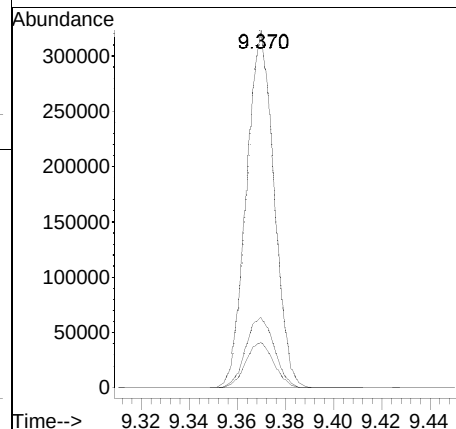
RT: 9.370 min Scan# 2488

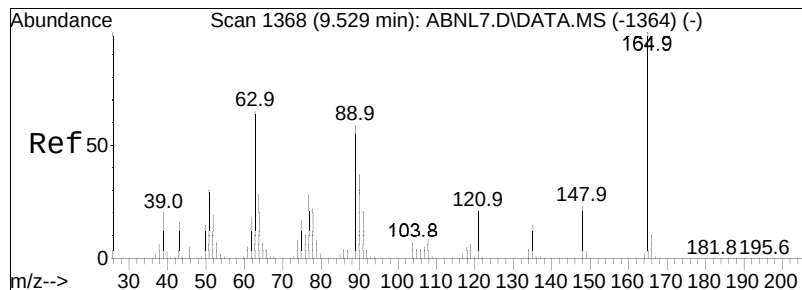
Delta R.T. -0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

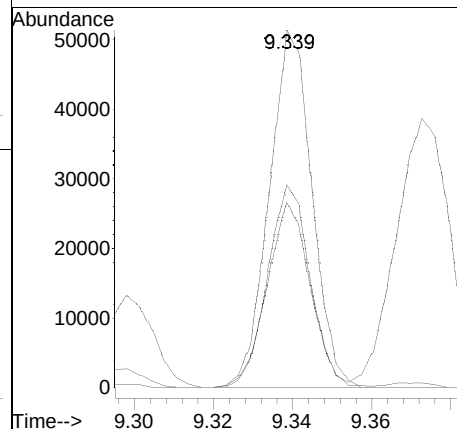
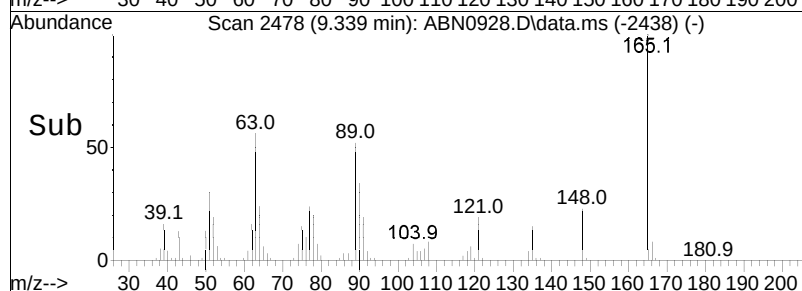
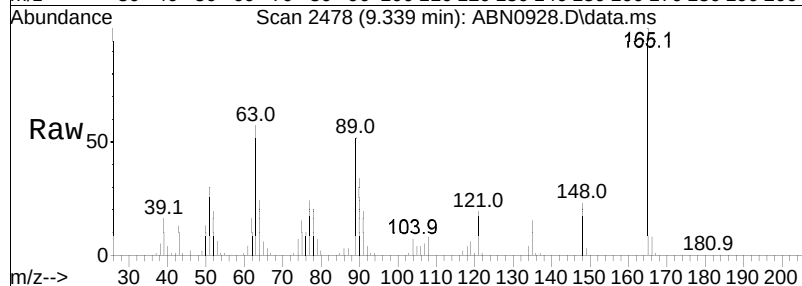
Tgt Ion:	152	Resp:	254613
Ion Ratio	Lower	Upper	
152	100		
151	20.5	15.8	23.6
153	13.1	10.5	15.7

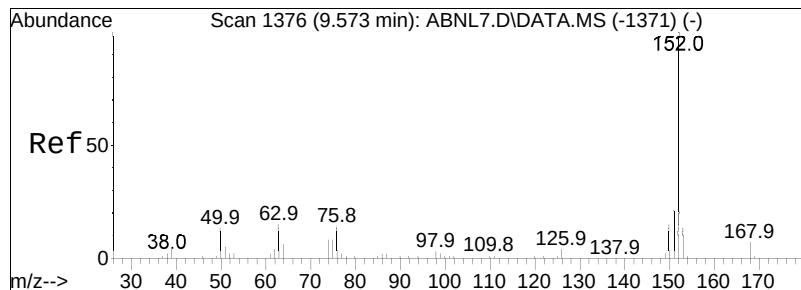




#53
 2,6-Dinitrotoluene
 Concen: 6.15 ug/ml
 RT: 9.339 min Scan# 2478
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion	Ratio	Lower	Upper
165	100		
89	52.1	54.2	81.2#
63	56.7	64.2	96.2#





#54

1,2-Dinitrobenzene

Concen: 6.17 ug/ml

RT: 9.376 min Scan# 2490

Delta R.T. -0.000 min

Lab File: ABN0928.D

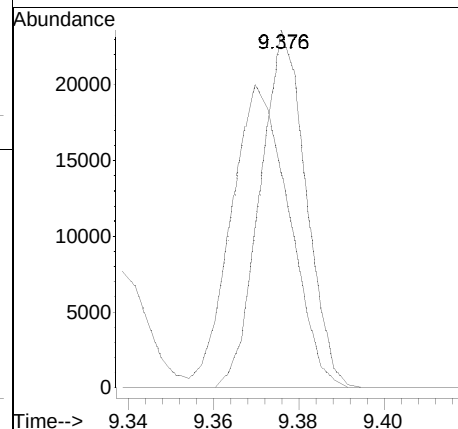
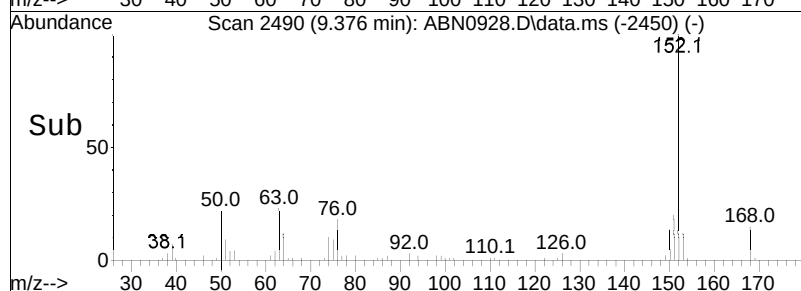
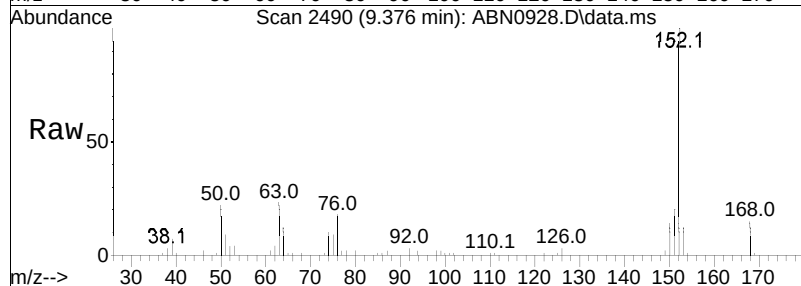
Acq: 28 Sep 2025 7:00 pm

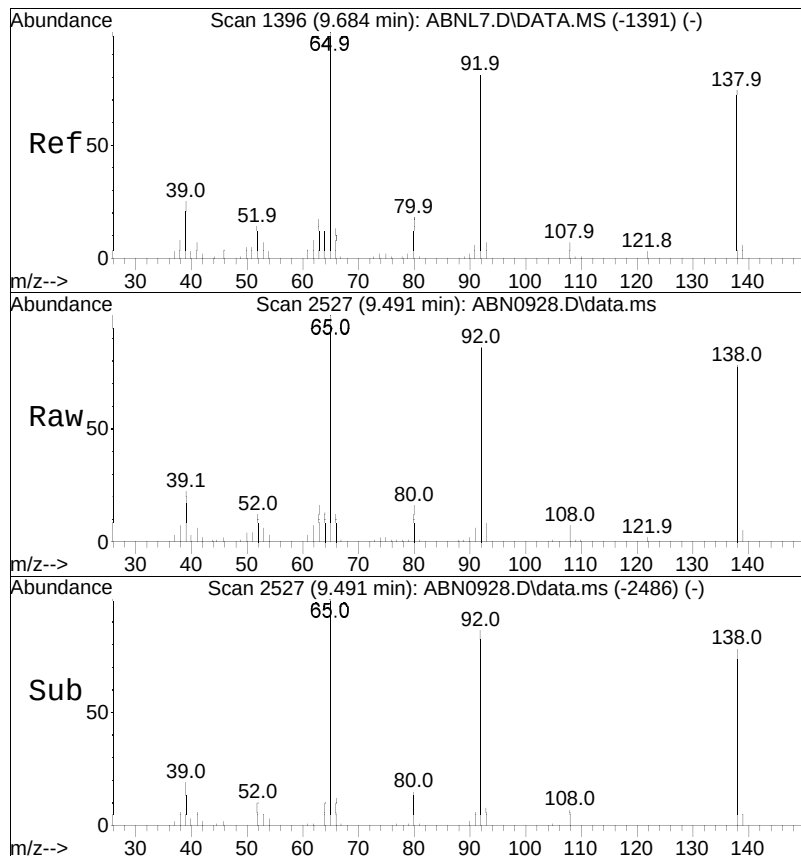
Tgt Ion:168 Resp: 17602

Ion Ratio Lower Upper

168 100

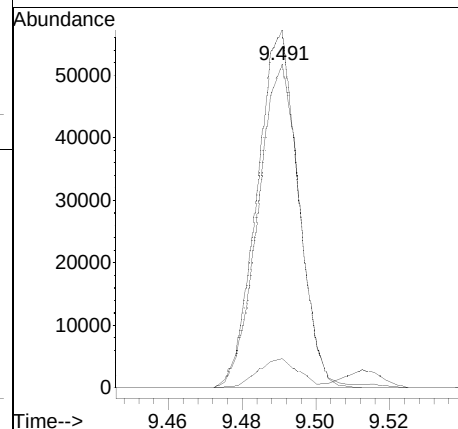
75 106.8 30.9 46.3#

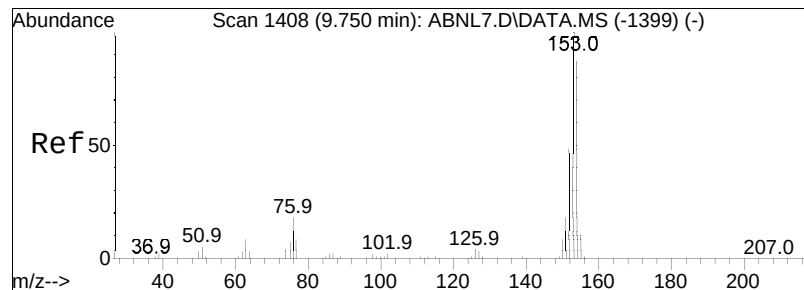




#64
 3-Nitroaniline
 Concen: 5.83 ug/ml
 RT: 9.491 min Scan# 2527
 Delta R.T. 0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion:	138	Resp:	40212
Ion Ratio	Lower	Upper	
138	100		
92	110.5	93.4	140.2
108	9.1	9.5	14.3#





#65

Acenaphthene

Concen: 4.58 ug/ml

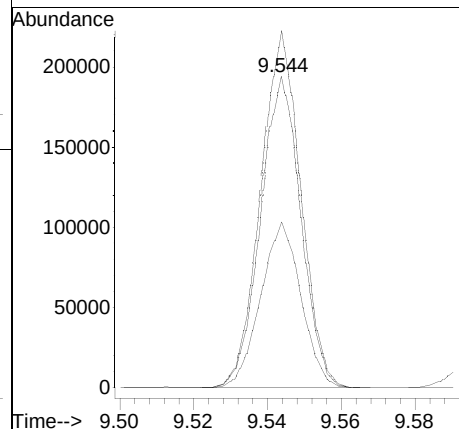
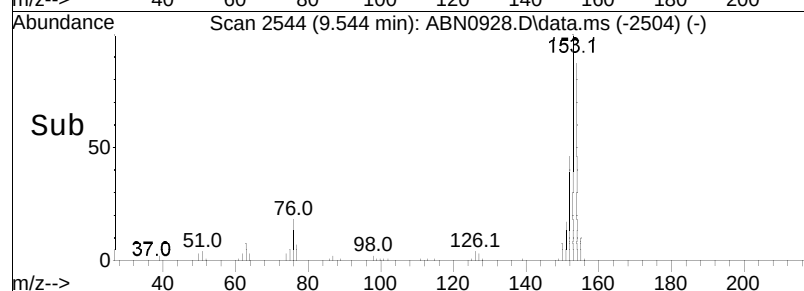
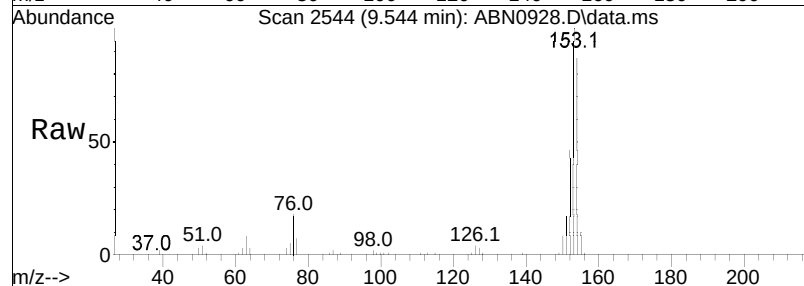
RT: 9.544 min Scan# 2544

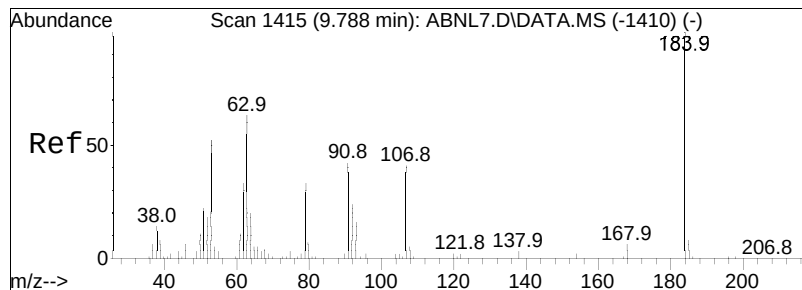
Delta R.T. -0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

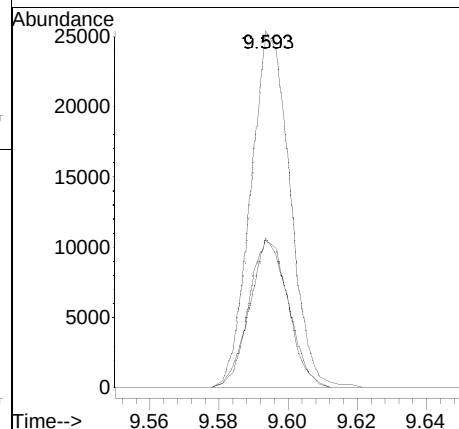
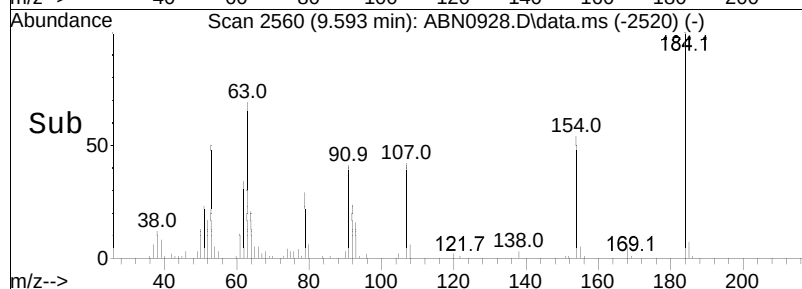
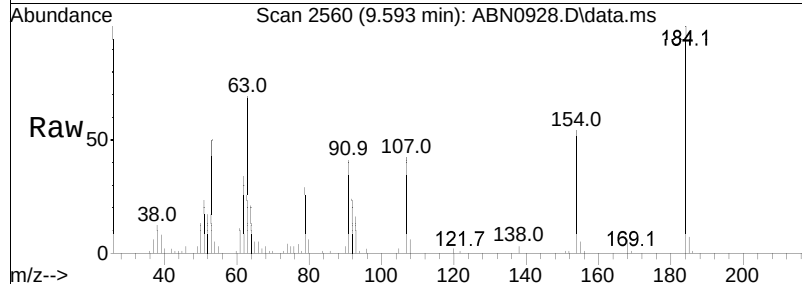
Tgt	Ion:154	Resp:	147036
Ion	Ratio	Lower	Upper
154	100		
153	114.1	85.3	127.9
152	53.5	41.4	62.0

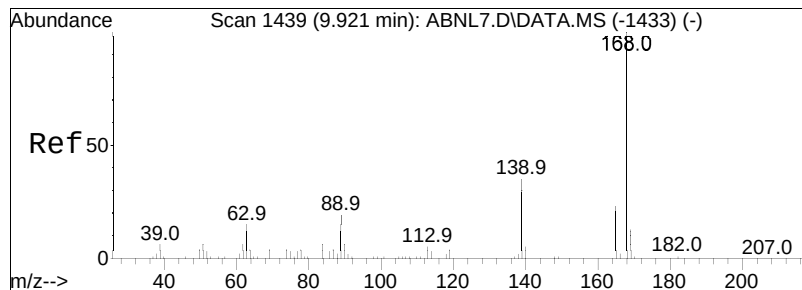




#66
 2,4-Dinitrophenol
 Concen: 5.32 ug/ml
 RT: 9.593 min Scan# 2560
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion	Ratio	Lower	Upper
184	100		
107	40.5	37.7	56.5
91	42.6	46.3	69.5#





#67

Dibenzofuran

Concen: 4.56 ug/ml

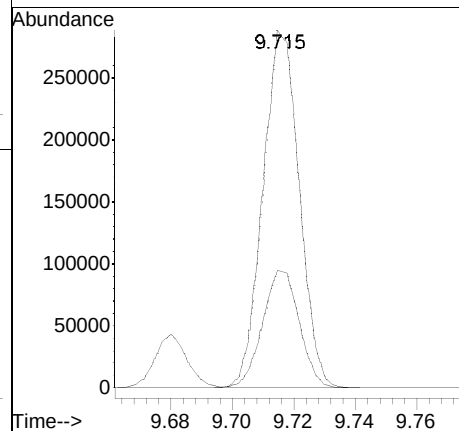
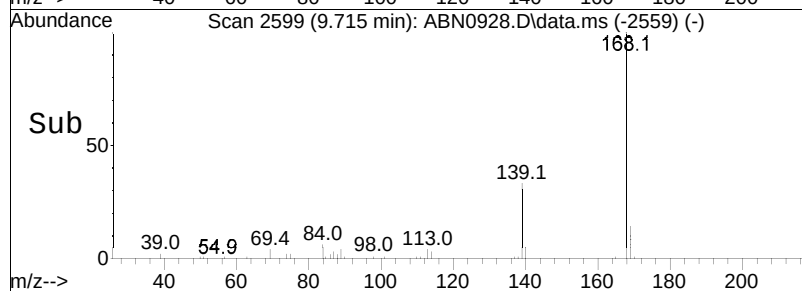
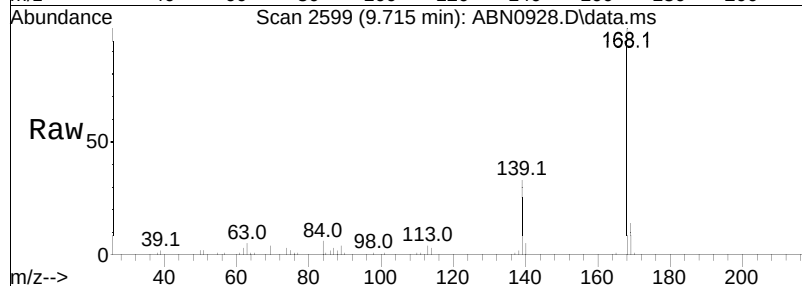
RT: 9.715 min Scan# 2599

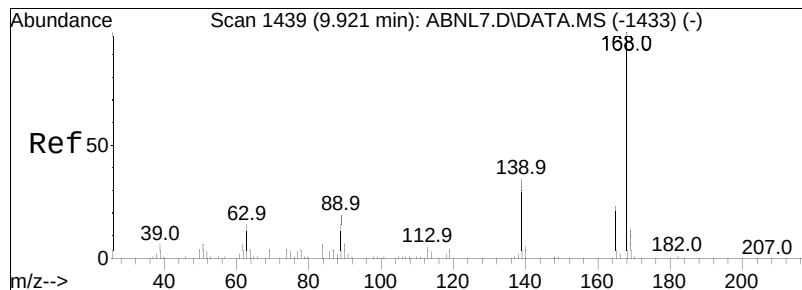
Delta R.T. -0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

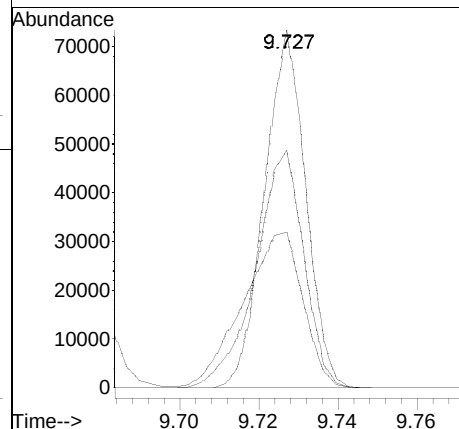
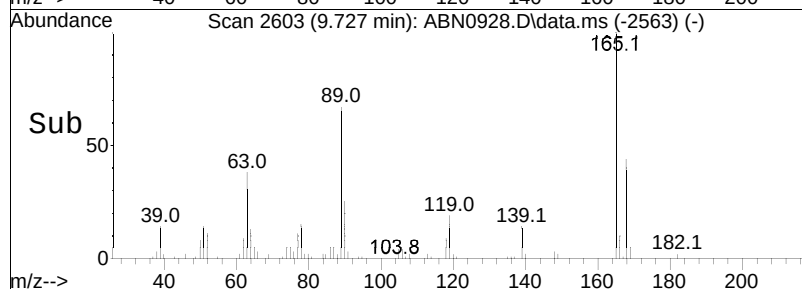
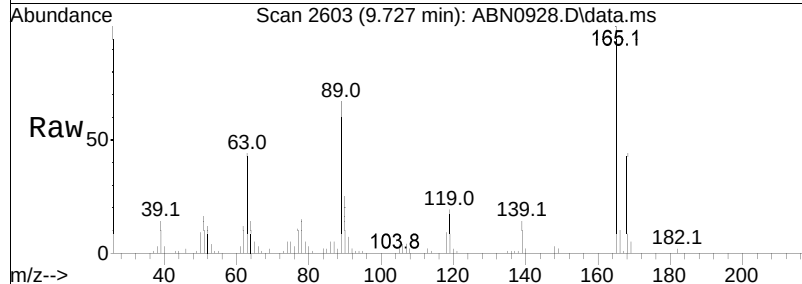
Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.3	31.4	47.2

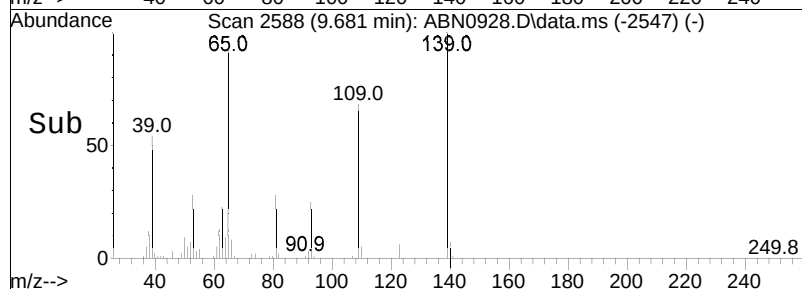
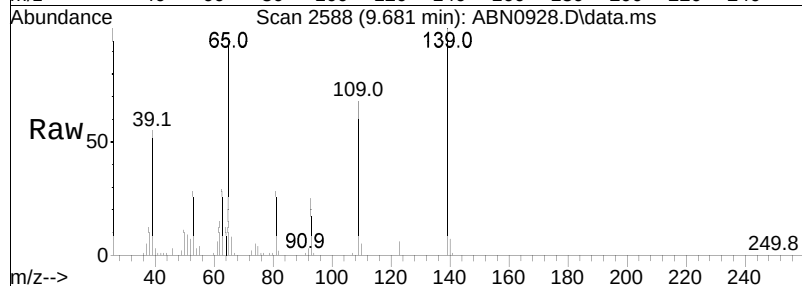
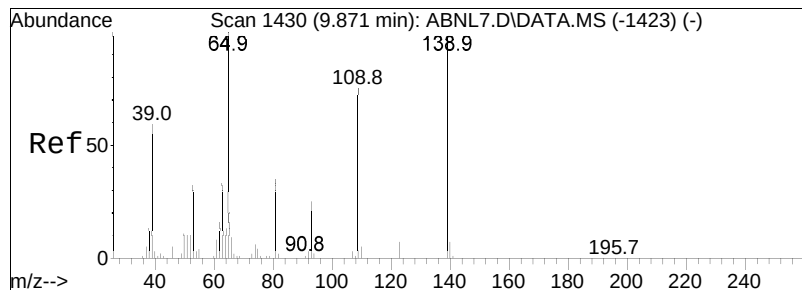




#68
 2,4-Dinitrotoluene
 Concen: 5.30 ug/ml
 RT: 9.727 min Scan# 2603
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

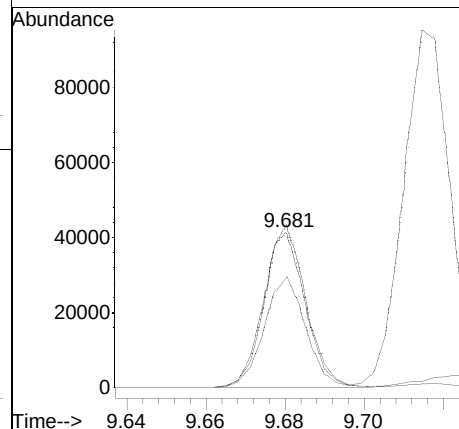
Tgt	Ion	Ratio	Resp	Lower	Upper
165	100		52726		
89	77.6	72.0		108.0	
63	63.7	52.7		79.1	

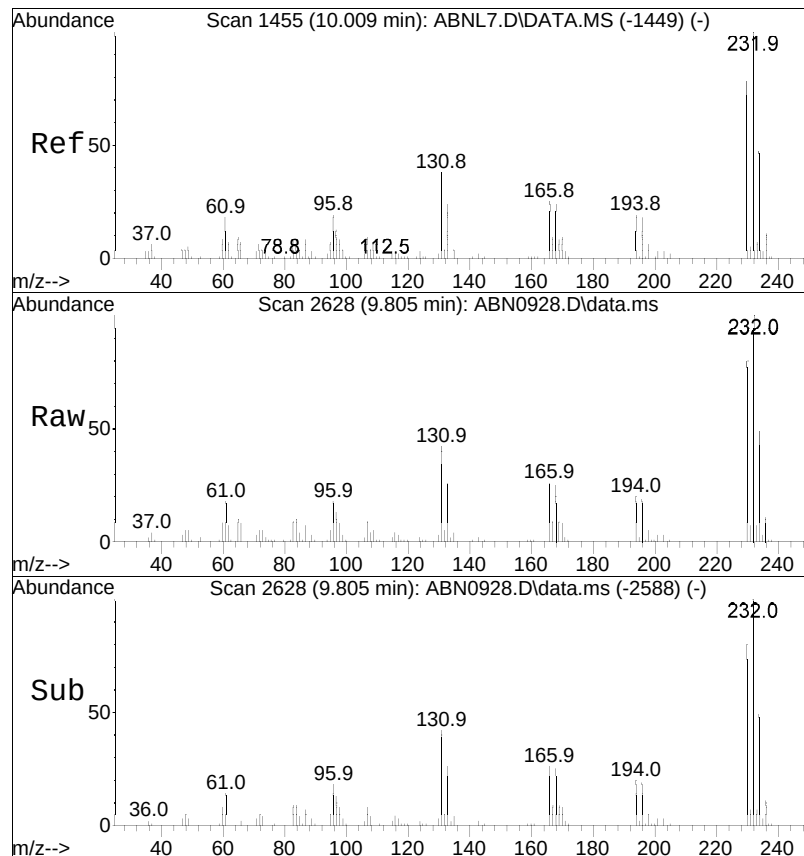




#69
 4-Nitrophenol
 Concen: 5.89 ug/ml
 RT: 9.681 min Scan# 2588
 Delta R.T. 0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

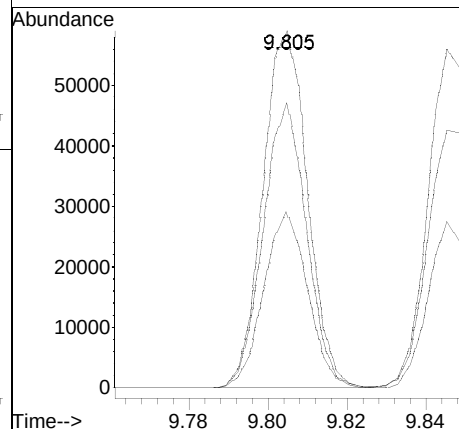
Tgt	Ion:	65	Resp:	30571
Ion	Ratio	Lower	Upper	
65	100			
109	70.4	47.4	71.2	
139	102.1	76.6	115.0	

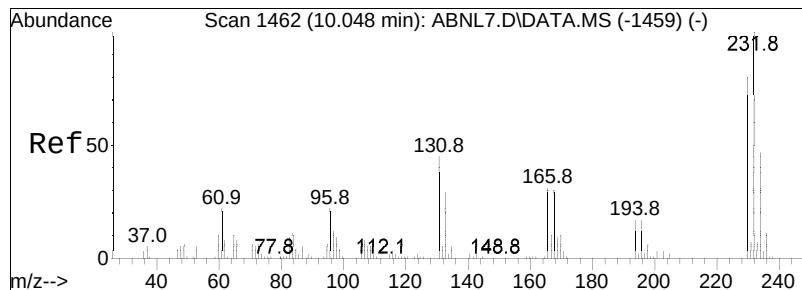




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 5.43 ug/ml
 RT: 9.805 min Scan# 2628
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion:	232	Resp:	46270
Ion Ratio	Lower	Upper	
232	100		
230	77.6	64.2	96.4
234	48.6	38.1	57.1





#71

2,3,4,6-Tetrachlorophenol

Concen: 5.30 ug/ml

RT: 9.845 min Scan# 2641

Delta R.T. -0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

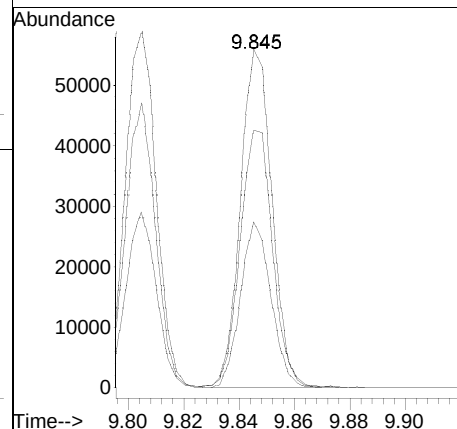
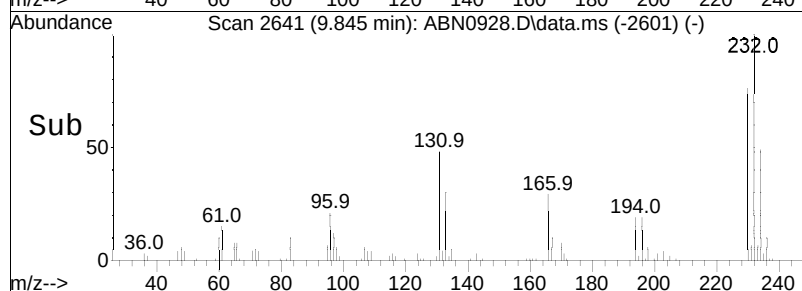
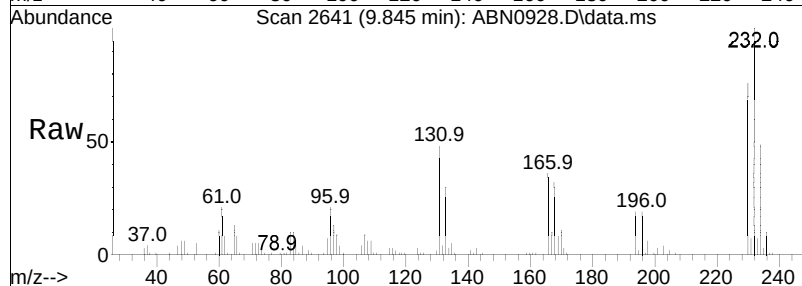
Tgt Ion:232 Resp: 44522

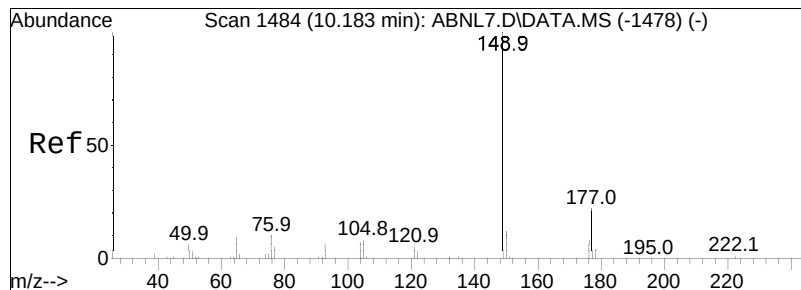
Ion Ratio Lower Upper

232 100

230 78.5 61.8 92.8

234 47.5 36.2 54.2





#72

Diethyl phthalate

Concen: 4.89 ug/ml

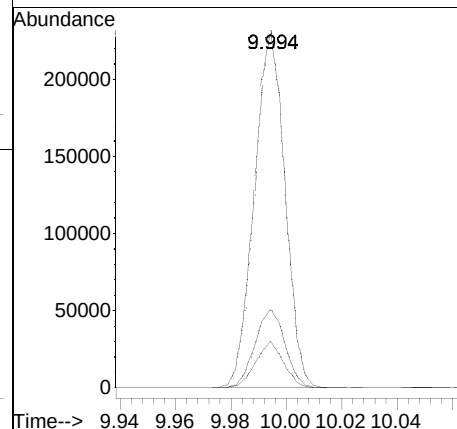
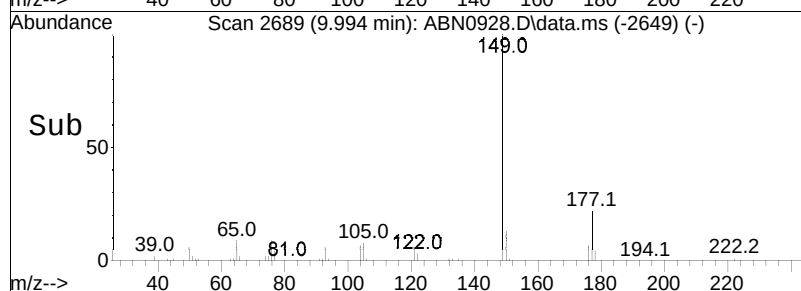
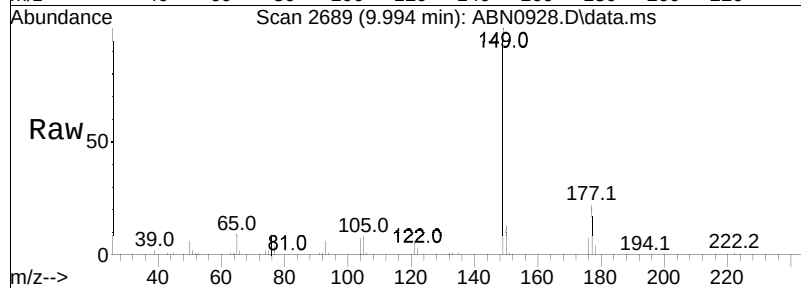
RT: 9.994 min Scan# 2689

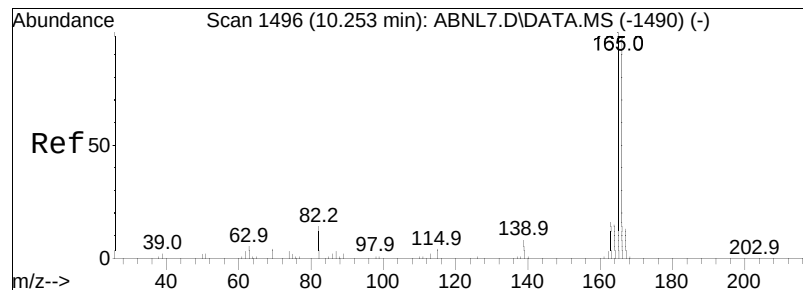
Delta R.T. -0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

Tgt Ion:	149	Resp:	175412
Ion Ratio	Lower	Upper	
149	100		
177	21.8	16.1	24.1
150	12.1	9.4	14.2





#73

Fluorene

Concen: 4.70 ug/ml

RT: 10.050 min Scan# 2707

Delta R.T. -0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

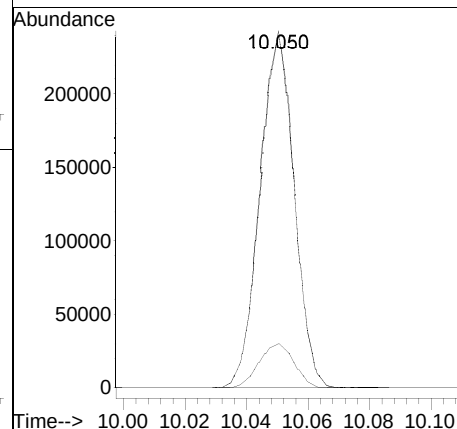
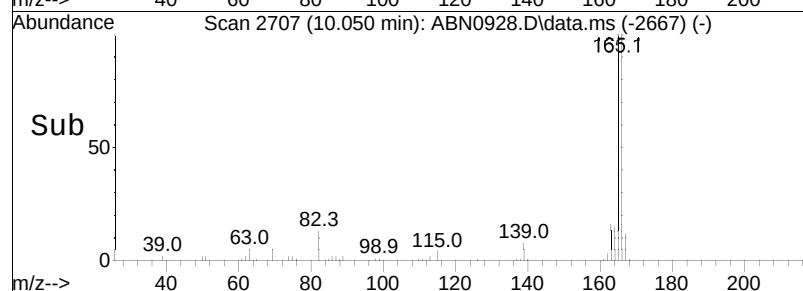
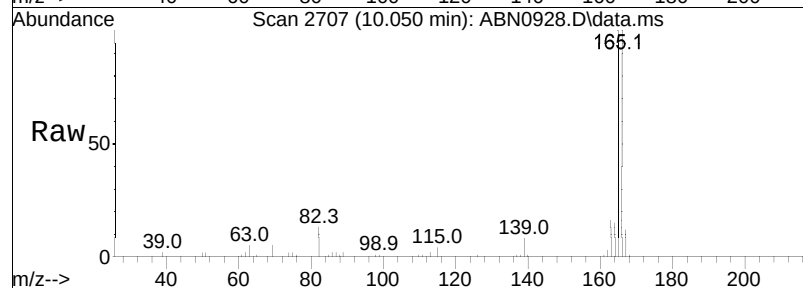
Tgt Ion:166 Resp: 185558

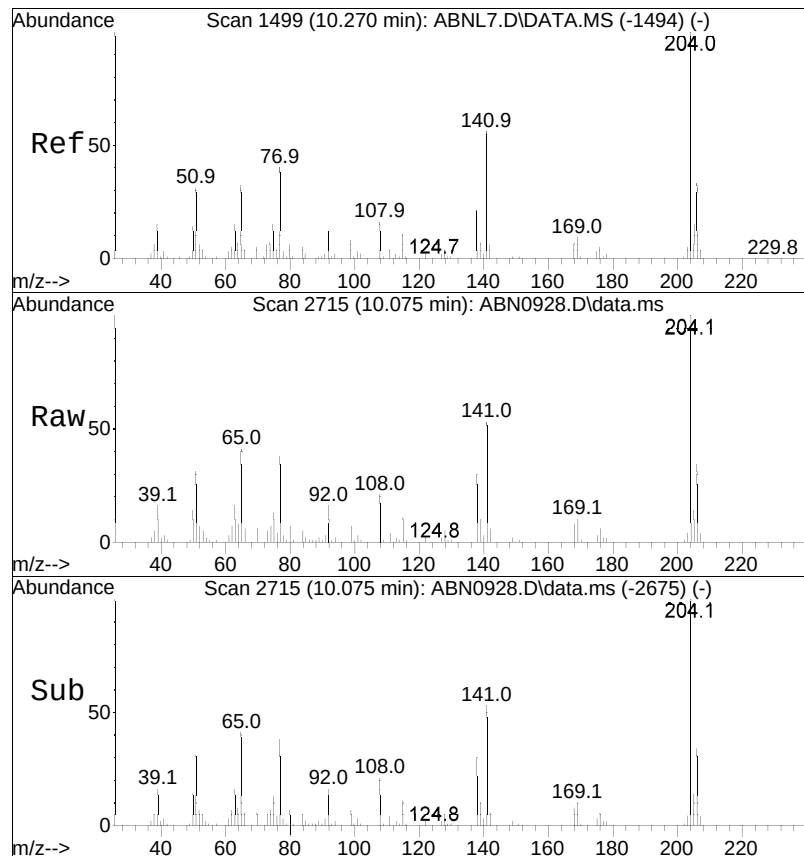
Ion Ratio Lower Upper

166 100

165 101.6 76.2 114.2

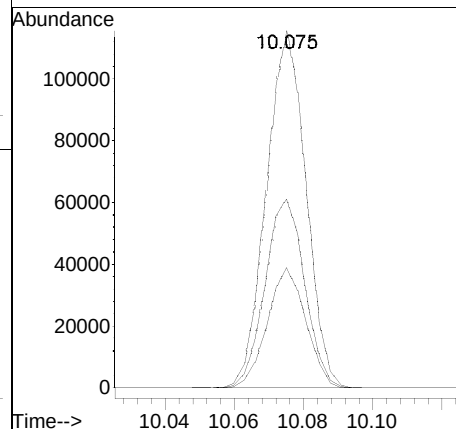
167 13.1 10.6 15.8

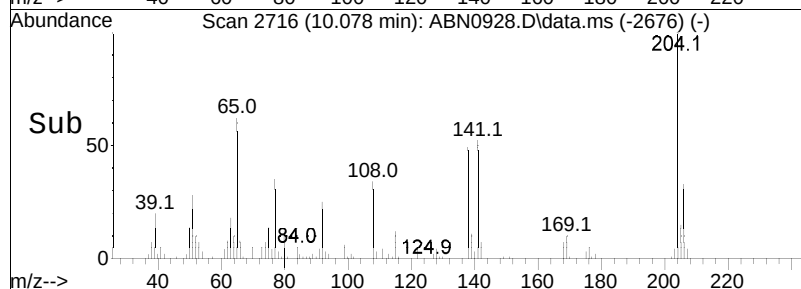
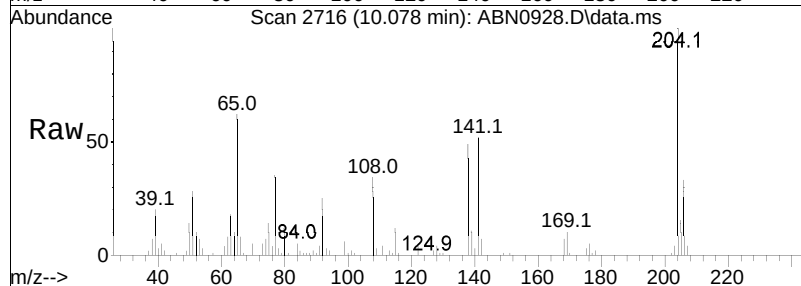
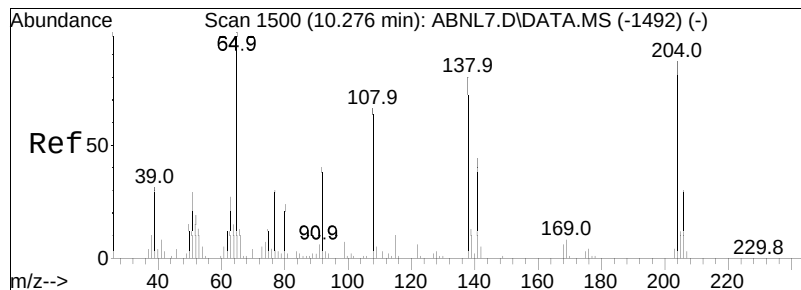




#74
 4-Chlorophenyl phenyl ether
 Concen: 4.51 ug/ml
 RT: 10.075 min Scan# 2715
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

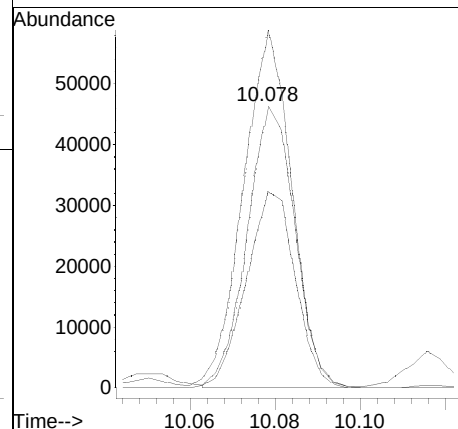
Tgt Ion	Ratio	Resp	Lower	Upper
204	100	90969		
206	33.0		25.8	38.6
141	53.2		53.6	80.4#

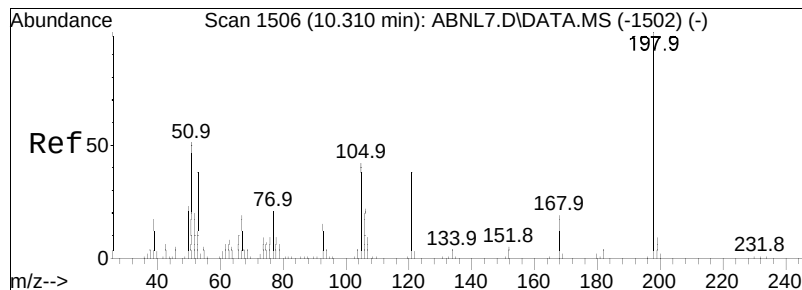




#75
 4-Nitroaniline
 Concen: 5.22 ug/ml
 RT: 10.078 min Scan# 2716
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

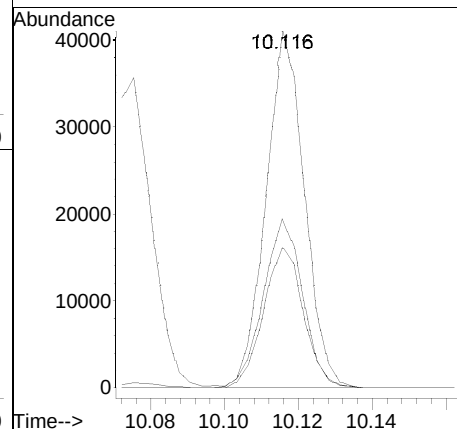
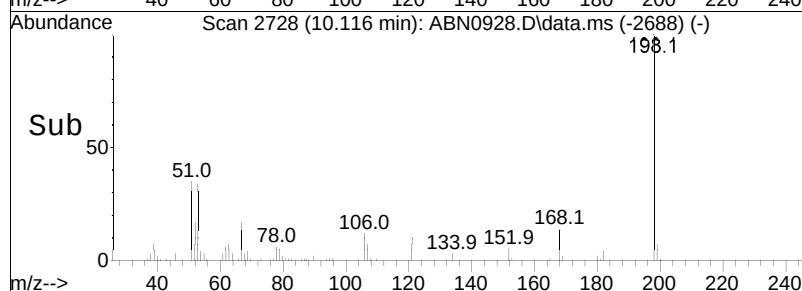
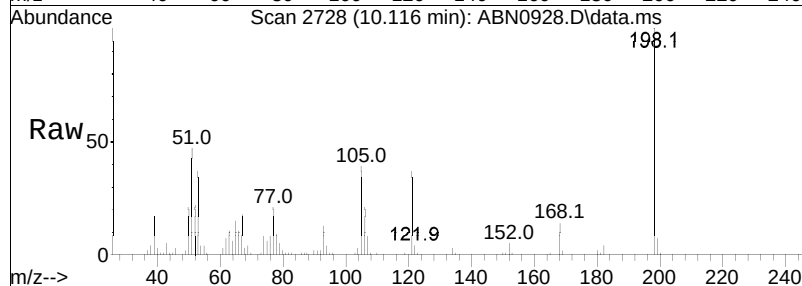
Tgt Ion	Ratio	Lower	Upper
138	100		
108	71.8	52.1	78.1
65	129.0	115.0	172.6

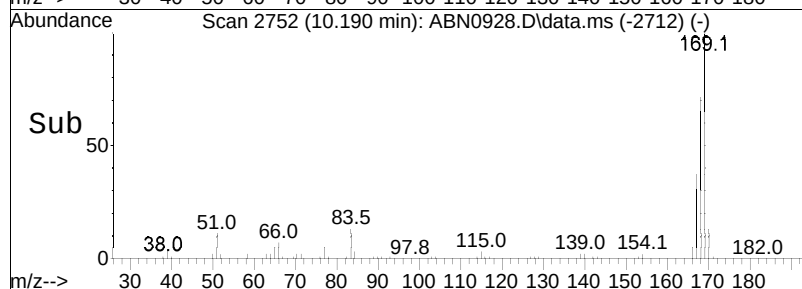
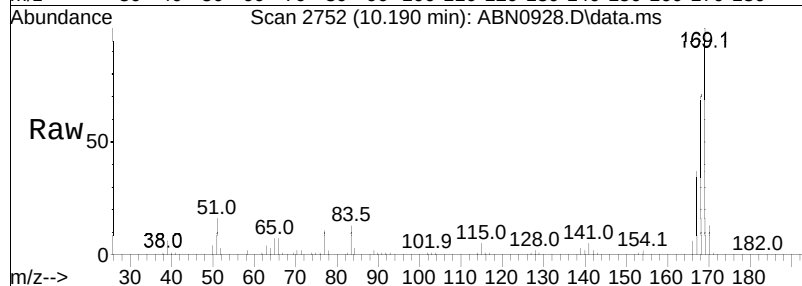
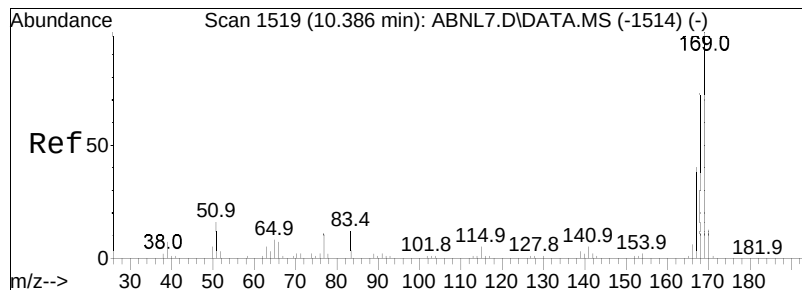




#76
 4,6-Dinitro-o-cresol
 Concen: 5.87 ug/ml
 RT: 10.116 min Scan# 2728
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion	Ratio	Lower	Upper
198	100		
51	48.8	76.0	114.0#
105	40.8	45.6	68.4#





#77

NDPA/DPA

Concen: 4.92 ug/ml

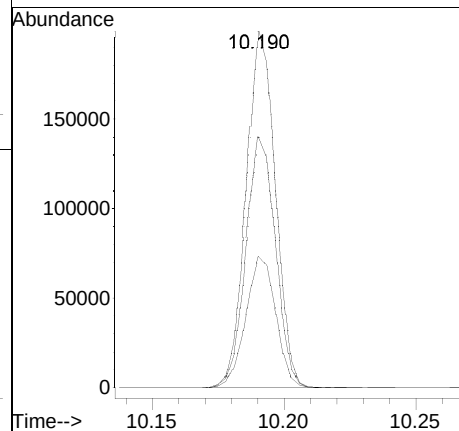
RT: 10.190 min Scan# 2752

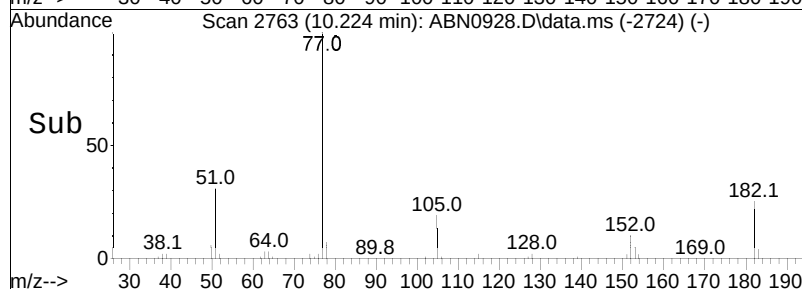
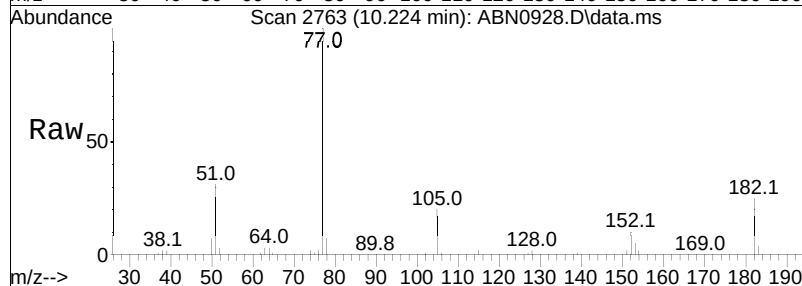
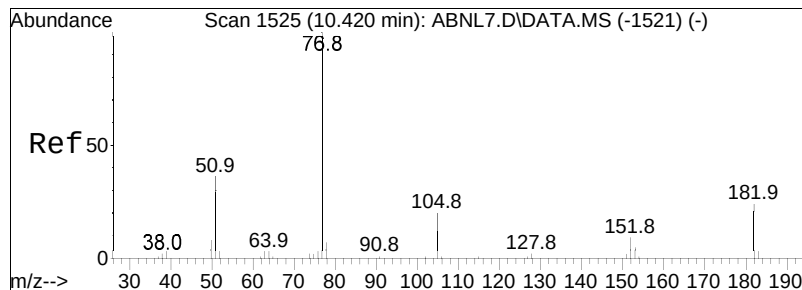
Delta R.T. -0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.4	54.0	81.0
167	37.9	28.6	42.8





#78

Azobenzene

Concen: 5.07 ug/ml

RT: 10.224 min Scan# 2763

Delta R.T. -0.003 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

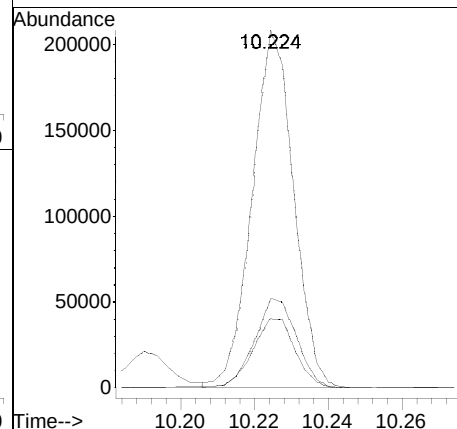
Tgt Ion: 77 Resp: 161198

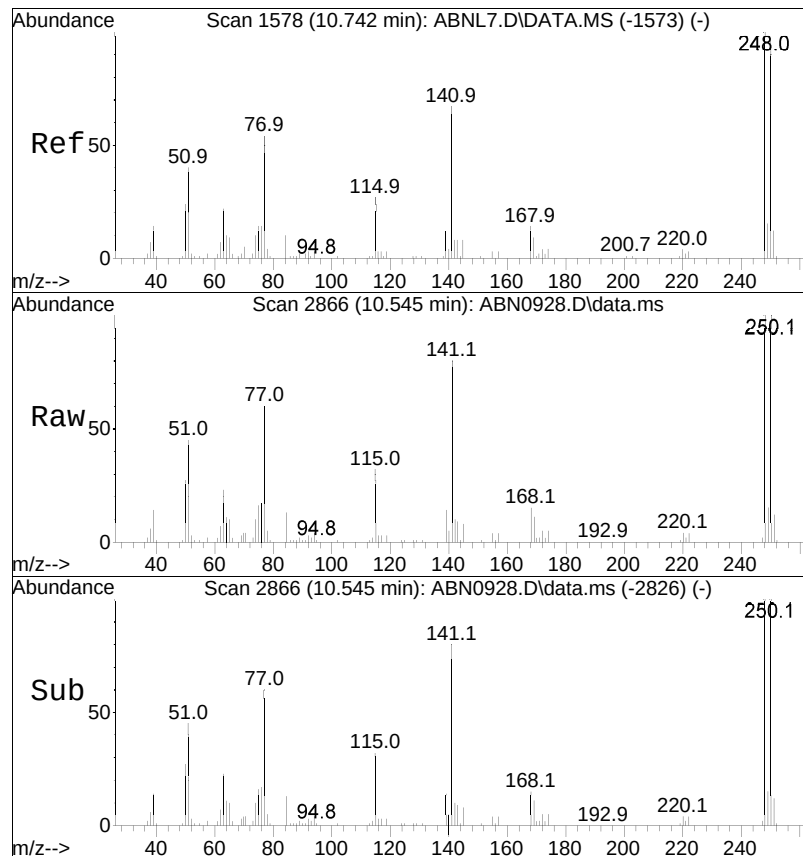
Ion Ratio Lower Upper

77 100

182 25.8 17.4 26.2

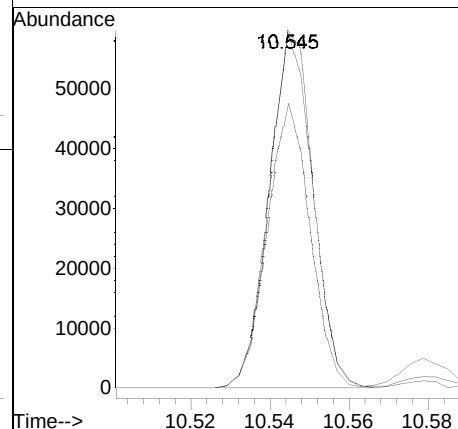
105 20.2 15.4 23.2

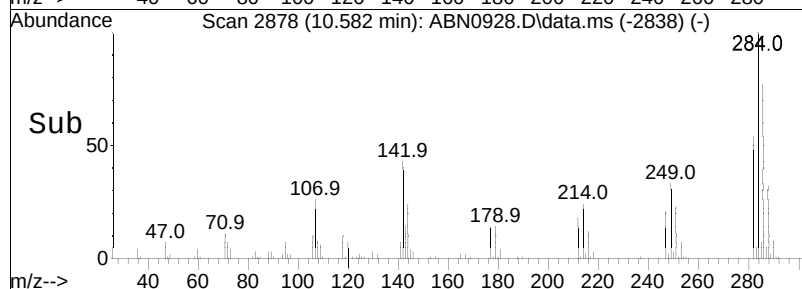
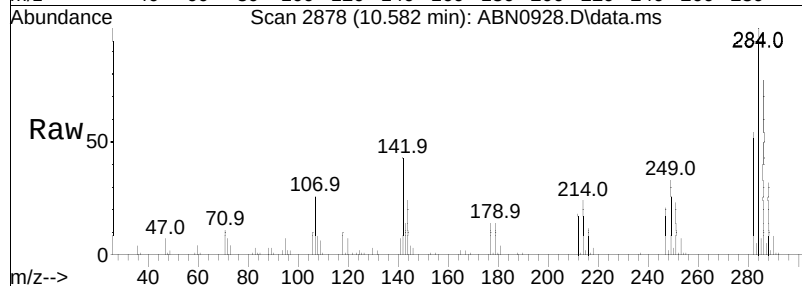
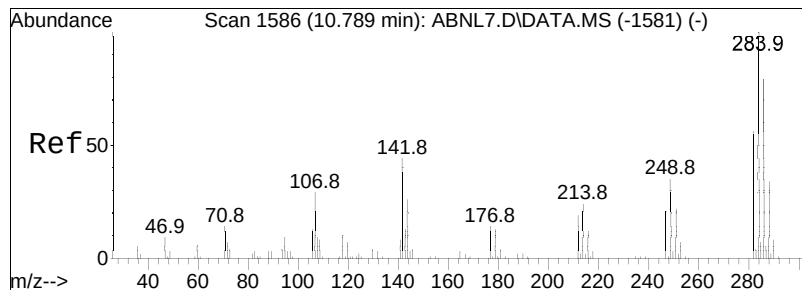




#80
 4-Bromophenyl phenyl ether
 Concen: 4.32 ug/ml
 RT: 10.545 min Scan# 2866
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

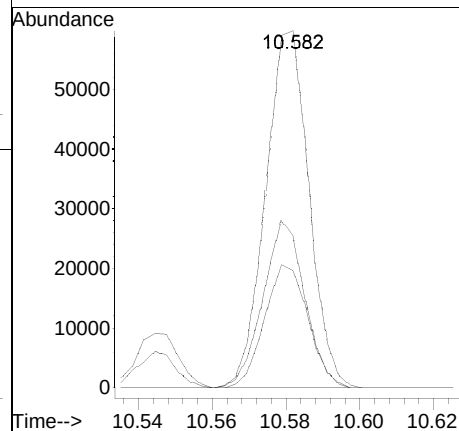
Tgt	Ion:248	Resp:	46358
Ion	Ratio	Lower	Upper
248	100		
141	77.0	76.6	114.8
250	97.4	77.3	115.9

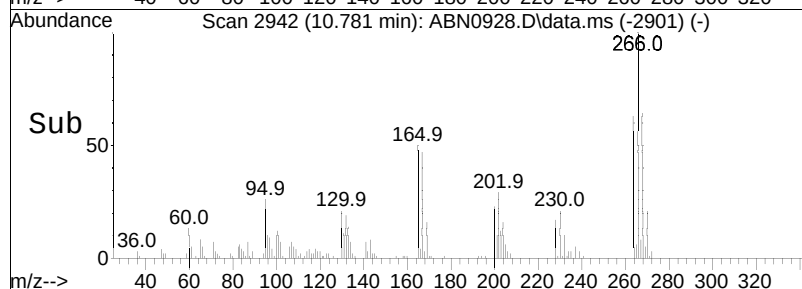
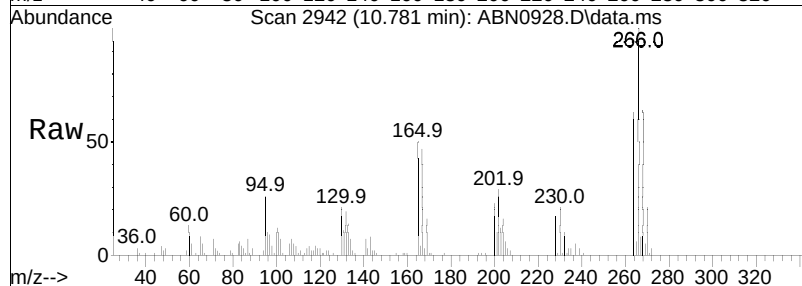
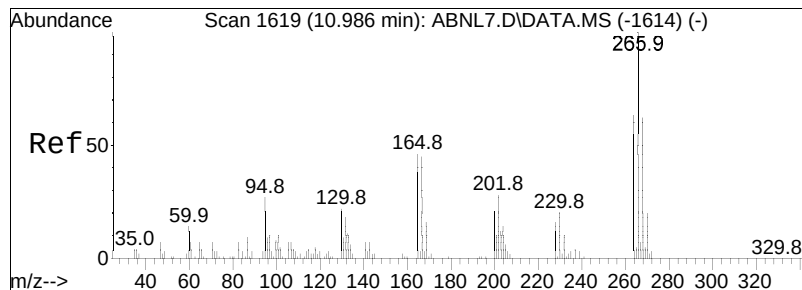




#81
 Hexachlorobenzene
 Concen: 4.34 ug/ml
 RT: 10.582 min Scan# 2878
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

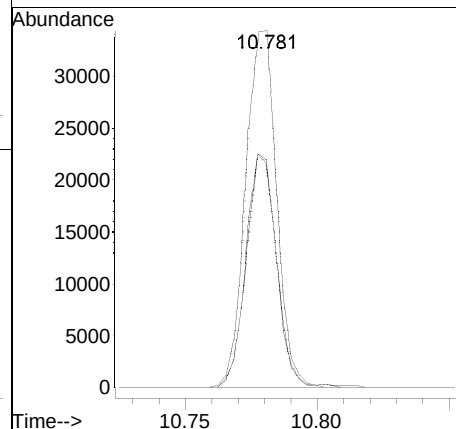
Tgt Ion	Ratio	Lower	Upper
284	100		
142	45.3	41.9	62.9
249	34.6	24.1	36.1

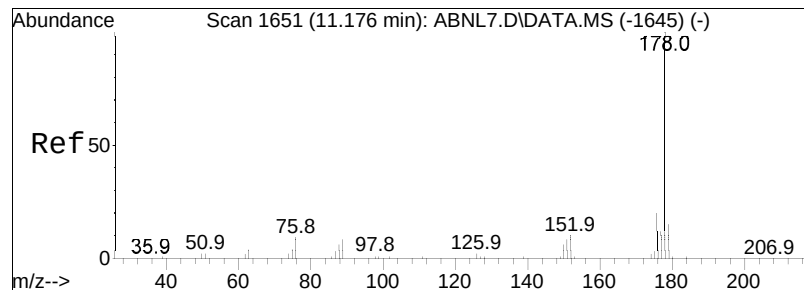




#82
 Pentachlorophenol
 Concen: 4.66 ug/ml
 RT: 10.781 min Scan# 2942
 Delta R.T. 0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion:	266	Resp:	28176
Ion Ratio	Lower	Upper	
266	100		
264	63.7	49.7	74.5
268	63.6	50.5	75.7





#89

Phenanthrene

Concen: 4.64 ug/ml

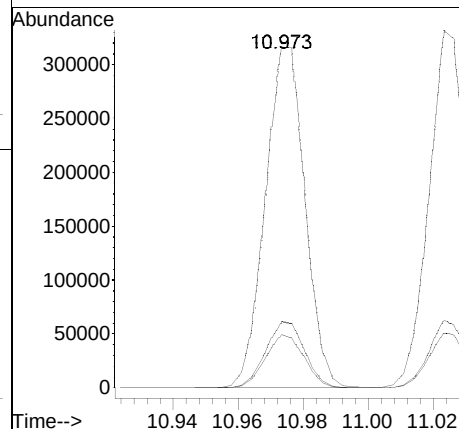
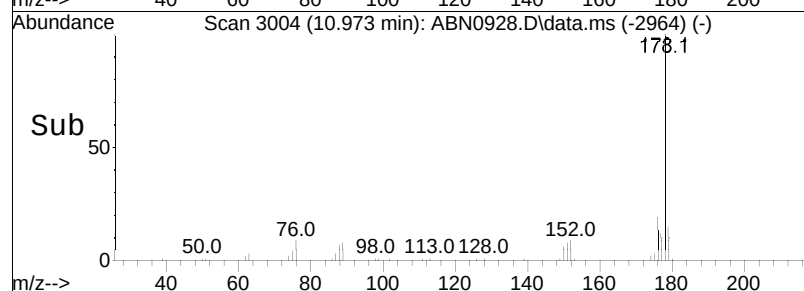
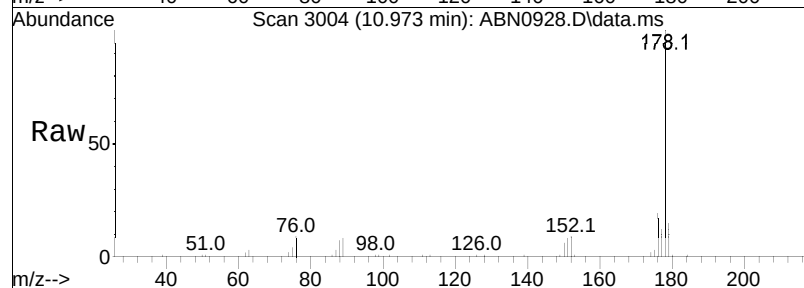
RT: 10.973 min Scan# 3004

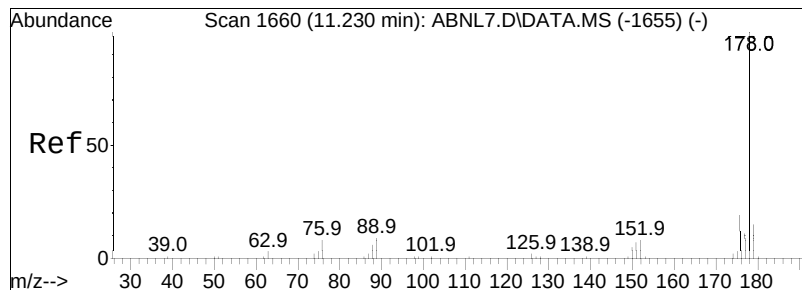
Delta R.T. -0.000 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

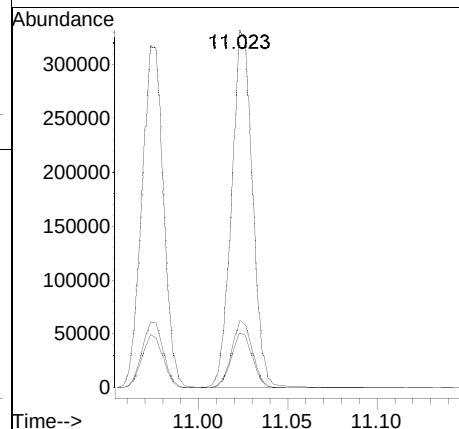
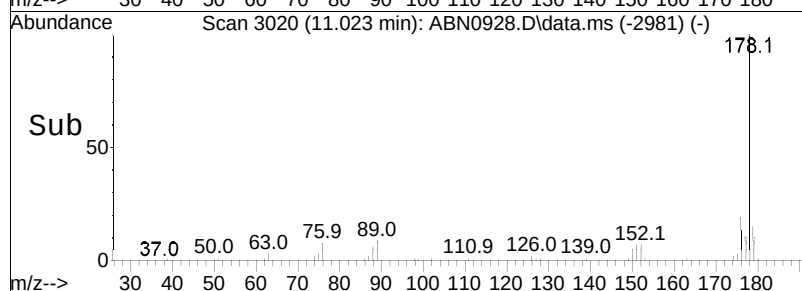
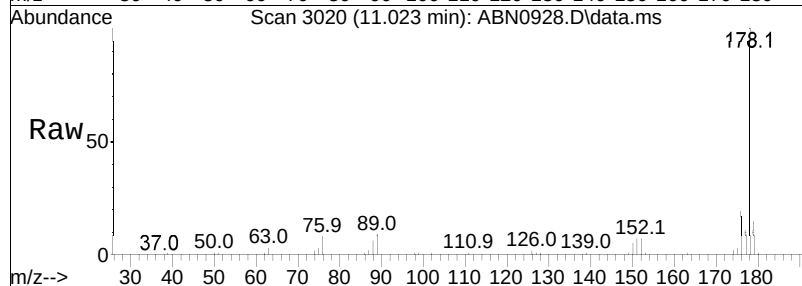
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2
176	19.0	15.4	23.2

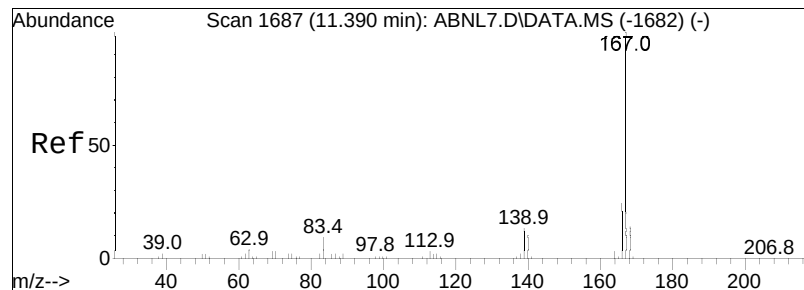




#90
 Anthracene
 Concen: 4.79 ug/ml
 RT: 11.023 min Scan# 3020
 Delta R.T. -0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

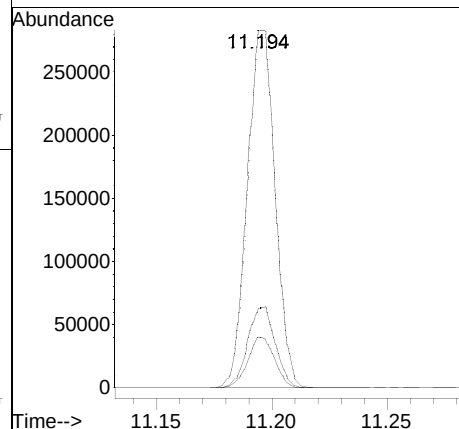
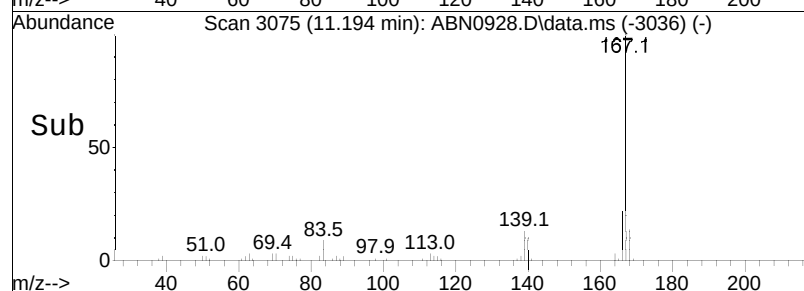
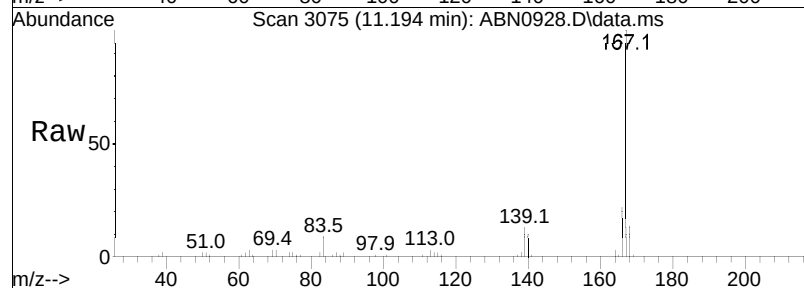
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.0	18.0
176	18.7	14.6	22.0

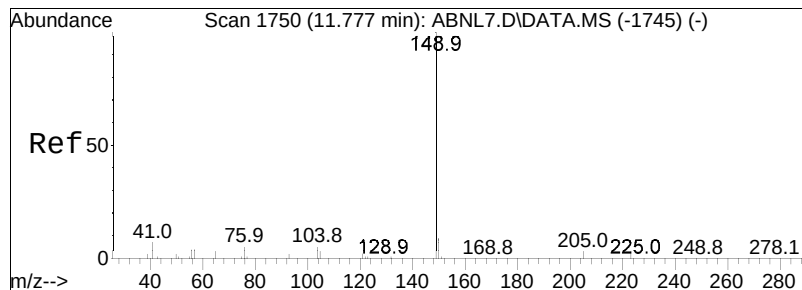




#91
 Carbazole
 Concen: 4.80 ug/ml
 RT: 11.194 min Scan# 3075
 Delta R.T. -0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

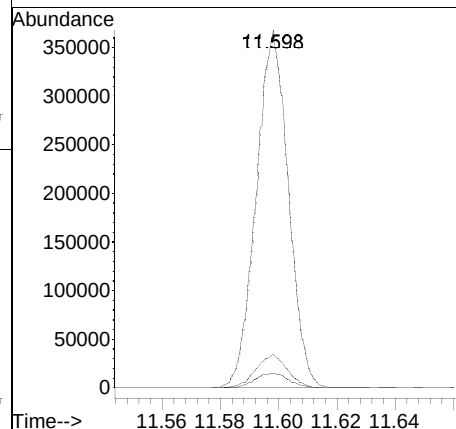
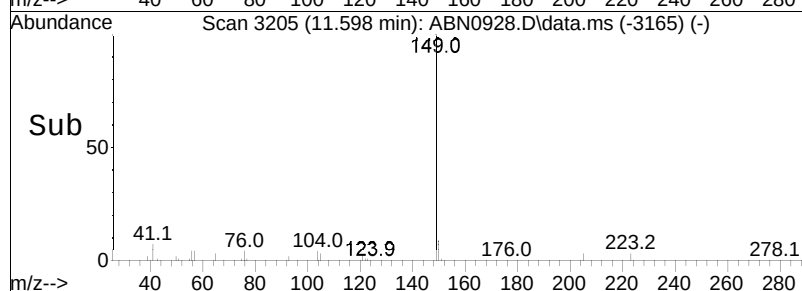
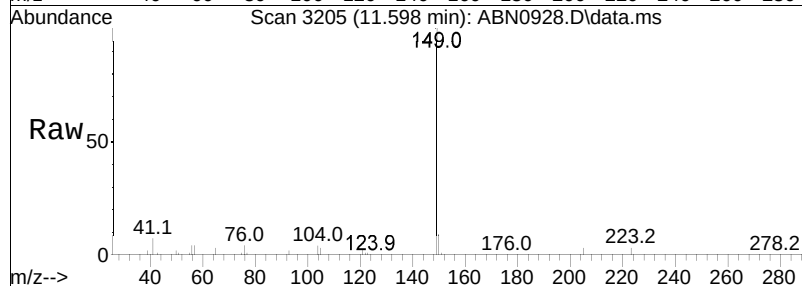
Tgt Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.6	15.8
166	22.6	17.4	26.0

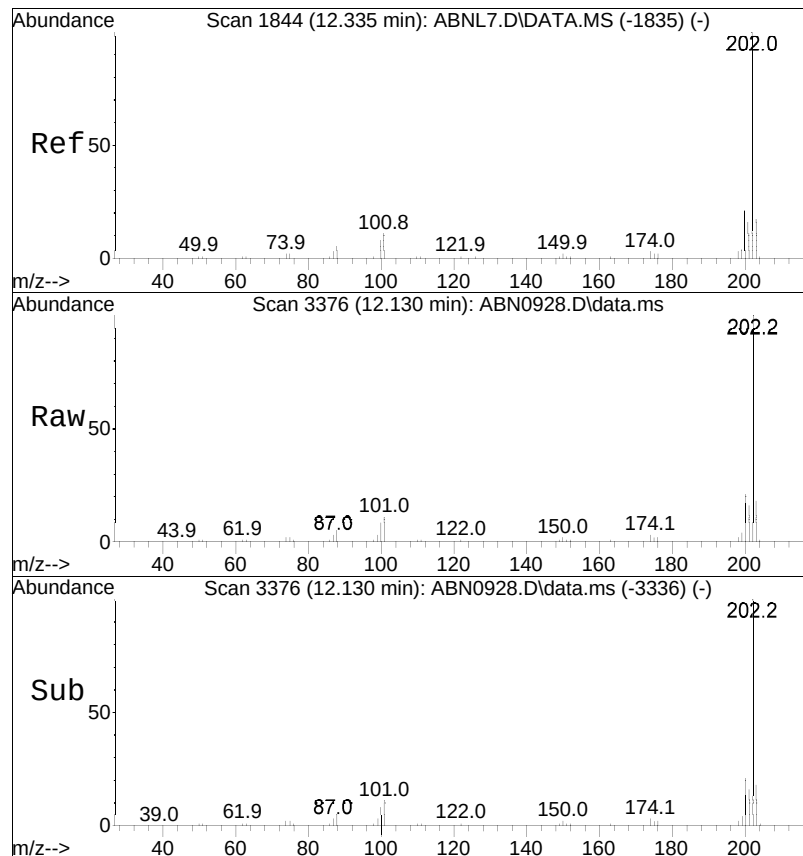




#92
 Di-n-butylphthalate
 Concen: 5.15 ug/ml
 RT: 11.598 min Scan# 3205
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

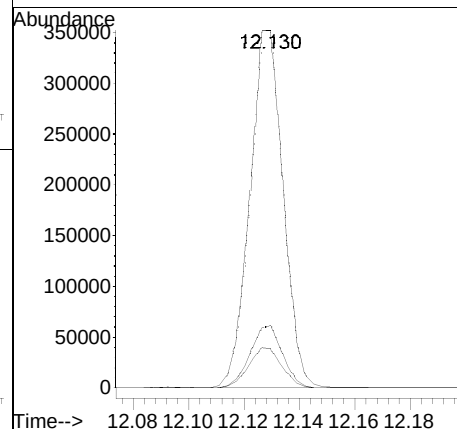
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	277243		
150	9.2		7.0	10.6
104	4.4		4.5	6.7#

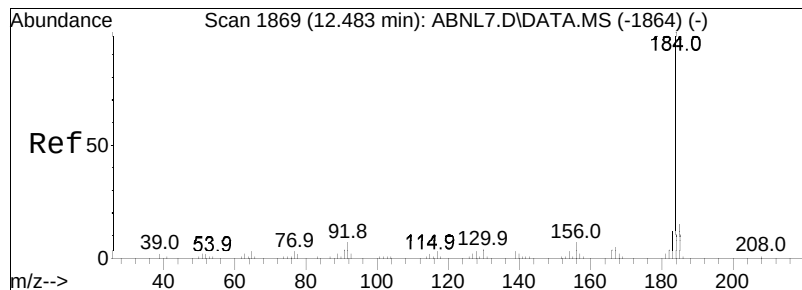




#93
 Fluoranthene
 Concen: 4.74 ug/ml
 RT: 12.130 min Scan# 3376
 Delta R.T. -0.000 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	13.5	20.3#
203	17.3	13.6	20.4





#94

Benzidine

Concen: 4.31 ug/ml

RT: 12.288 min Scan# 3427

Delta R.T. -0.003 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

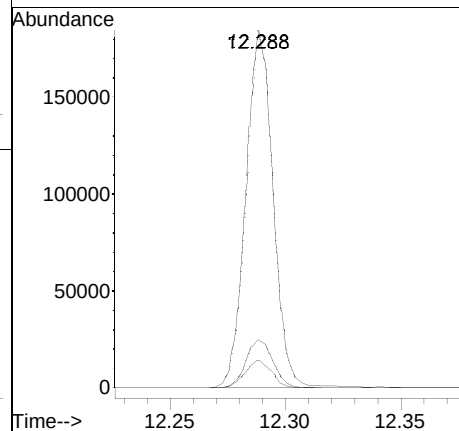
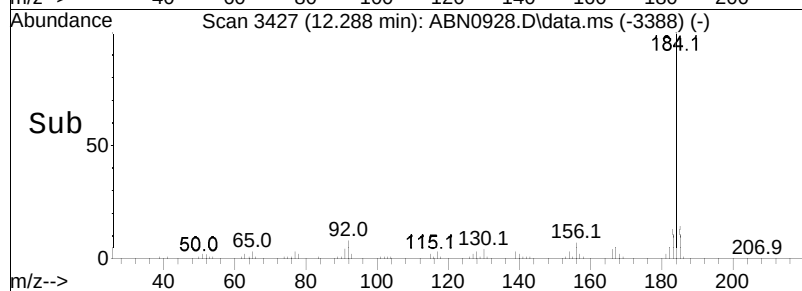
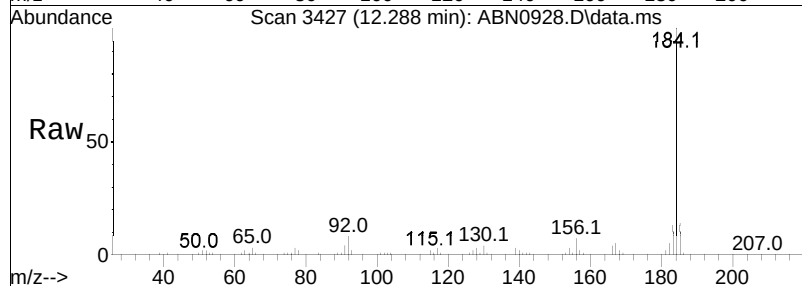
Tgt Ion:184 Resp: 149688

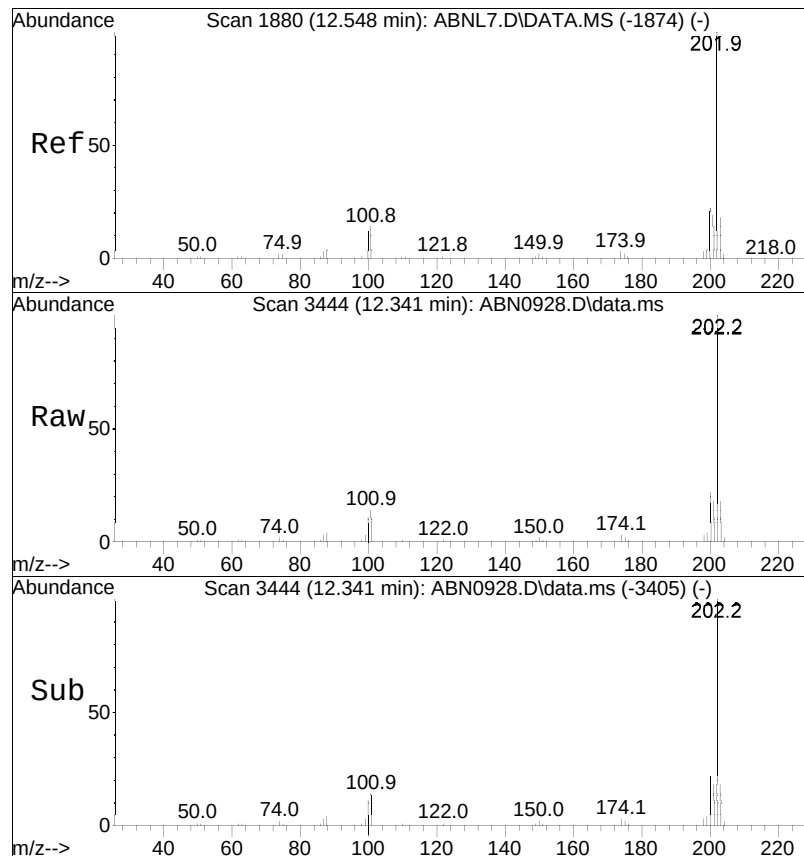
Ion Ratio Lower Upper

184 100

92 7.7 9.1 13.7#

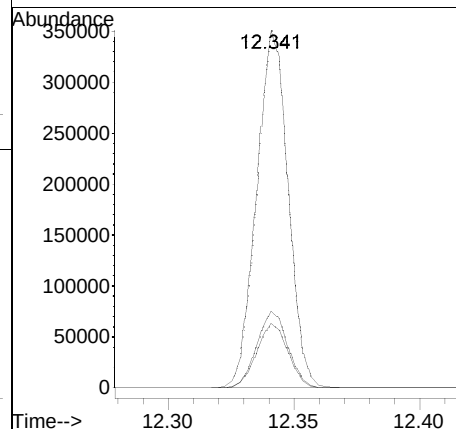
185 13.5 11.1 16.7

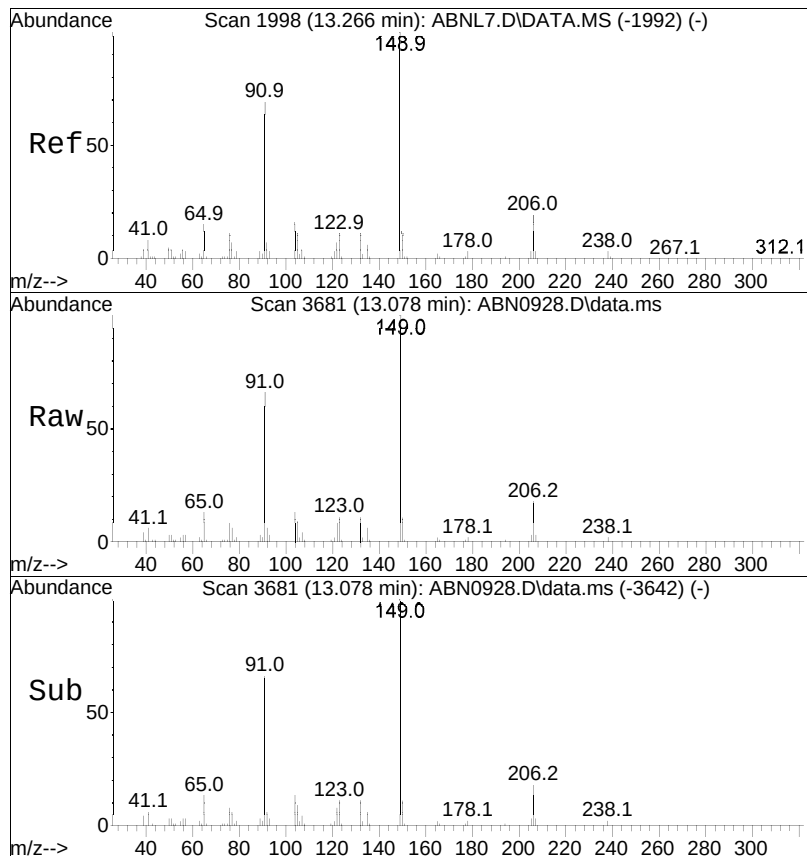




#95
 Pyrene
 Concen: 4.65 ug/ml
 RT: 12.341 min Scan# 3444
 Delta R.T. -0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

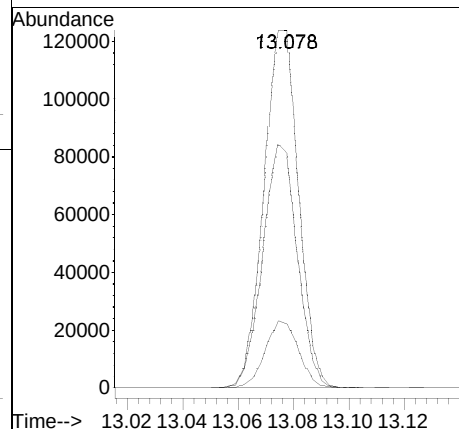
Tgt Ion:	202	Resp:	302574
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.7	25.1
203	18.1	14.2	21.4

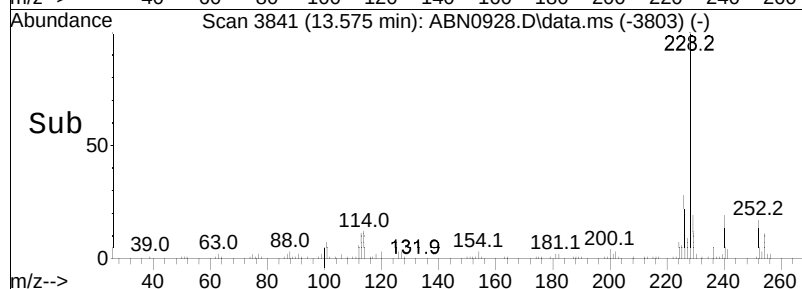
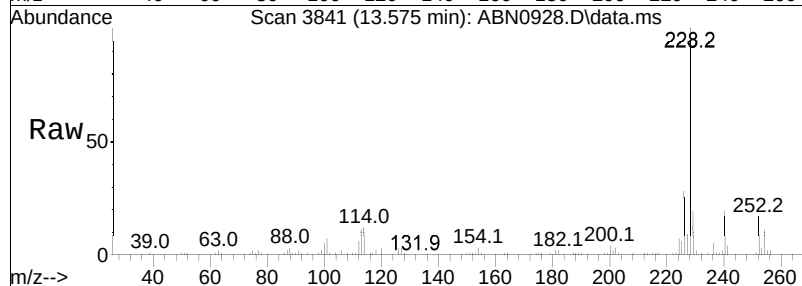
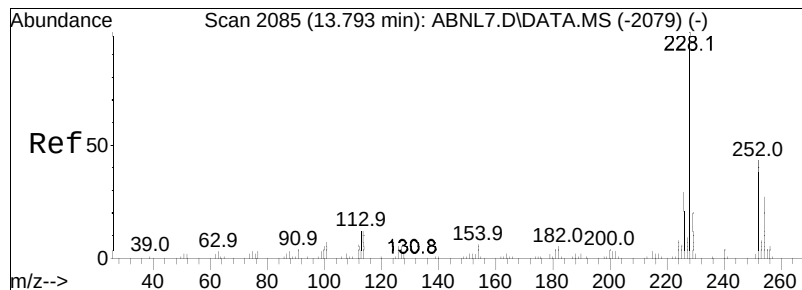




#97
 Butyl benzyl phthalate
 Concen: 4.55 ug/ml
 RT: 13.078 min Scan# 3681
 Delta R.T. -0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

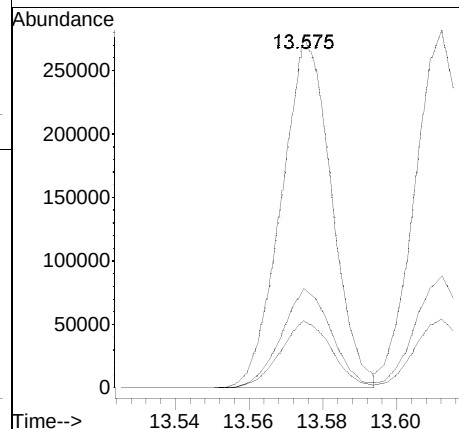
Tgt Ion:	149	Resp:	106949
Ion Ratio	Lower	Upper	
149	100		
91	67.9	63.3	94.9
206	18.2	13.9	20.9

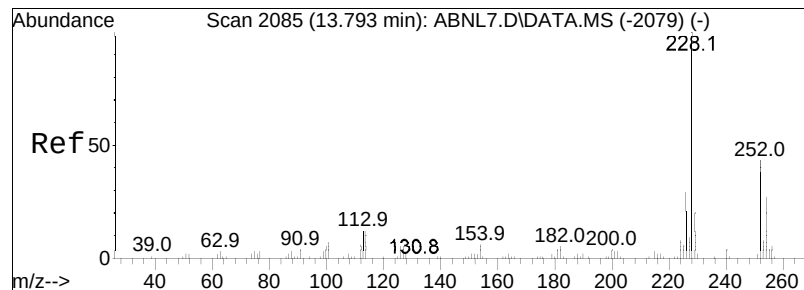




#105
 Benzo(a)anthracene
 Concen: 4.77 ug/ml
 RT: 13.575 min Scan# 3841
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

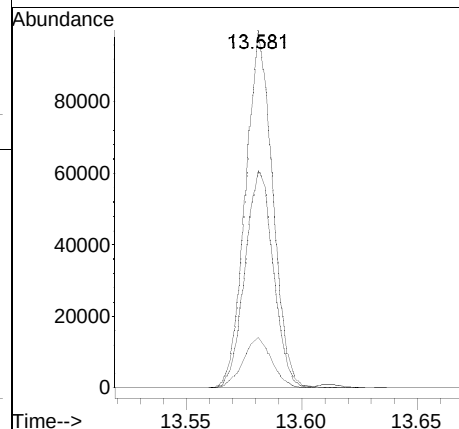
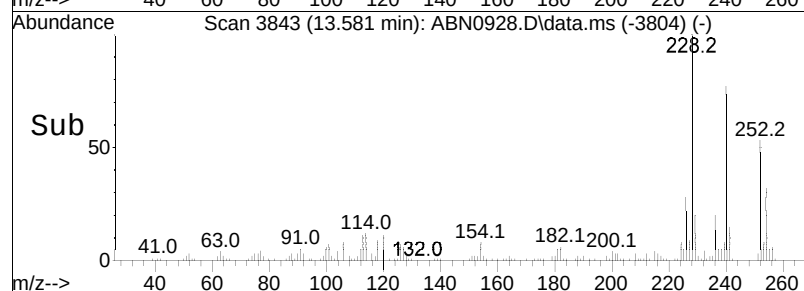
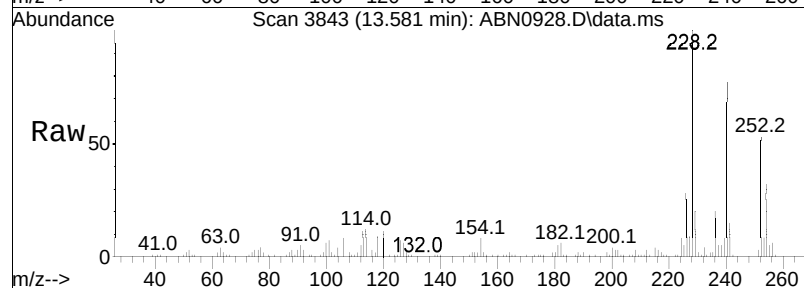
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.2	33.4
229	19.7	15.6	23.4

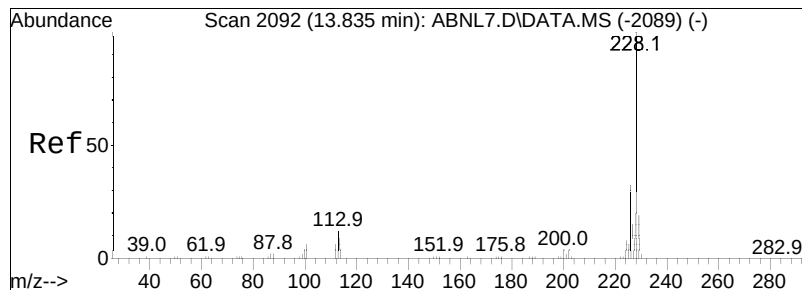




#106
 3,3'-Dichlorobenzidine
 Concen: 4.67 ug/ml
 RT: 13.581 min Scan# 3843
 Delta R.T. -0.003 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion	Ratio	Lower	Upper
252	100		
126	15.1	14.5	21.7
254	63.5	51.2	76.8





#107

Chrysene

Concen: 4.76 ug/ml

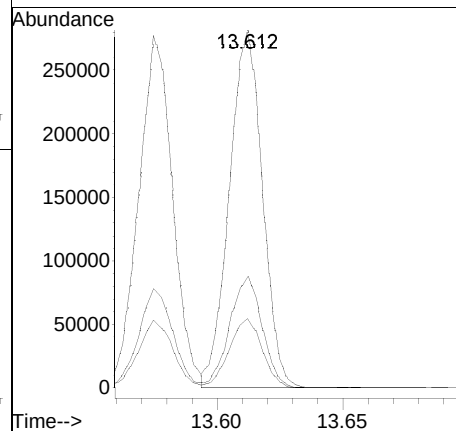
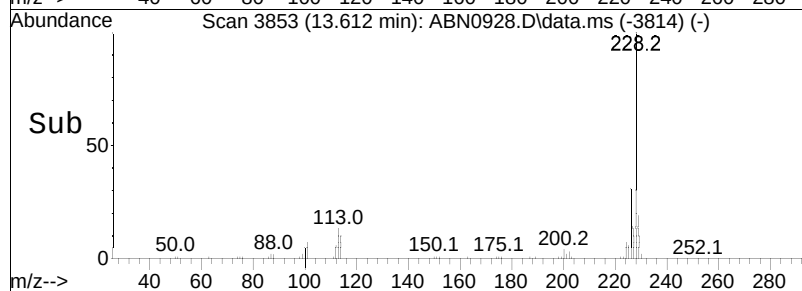
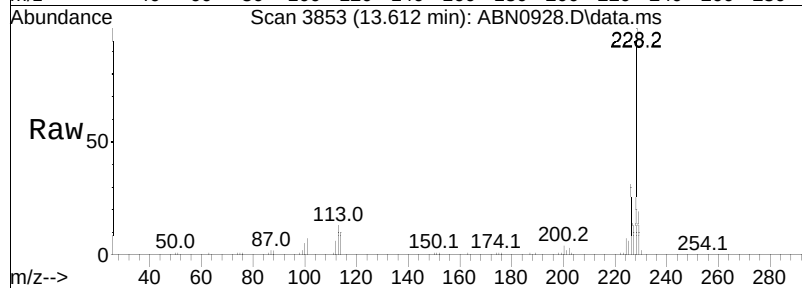
RT: 13.612 min Scan# 3853

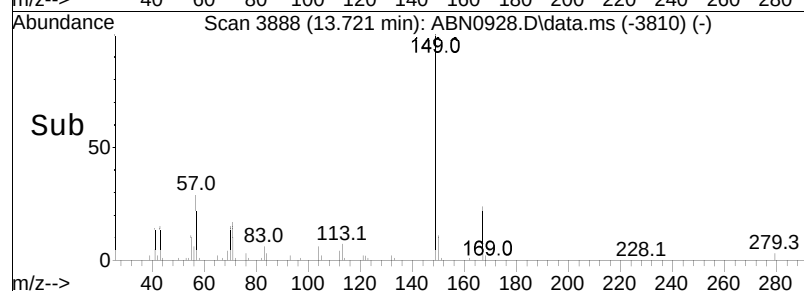
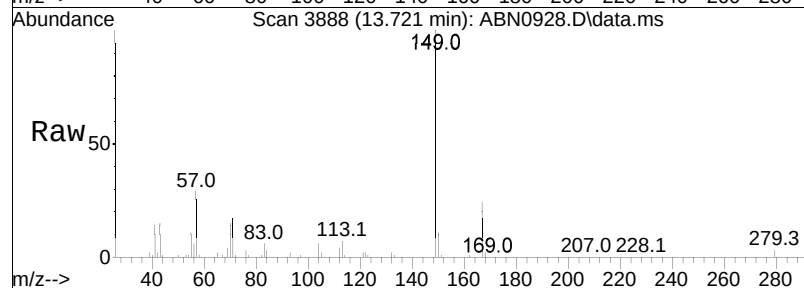
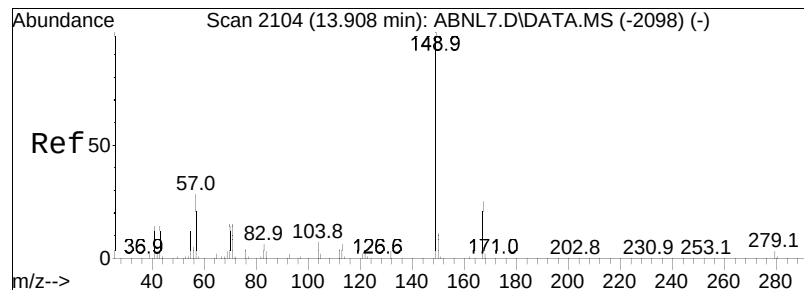
Delta R.T. -0.003 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

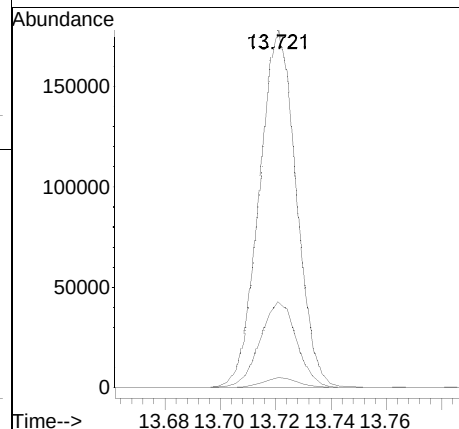
Tgt Ion:	228	Resp:	256989
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.0	36.0
229	19.3	15.8	23.8

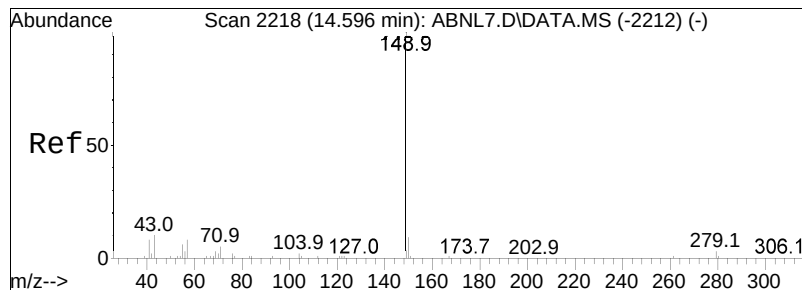




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 4.82 ug/ml
 RT: 13.721 min Scan# 3888
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

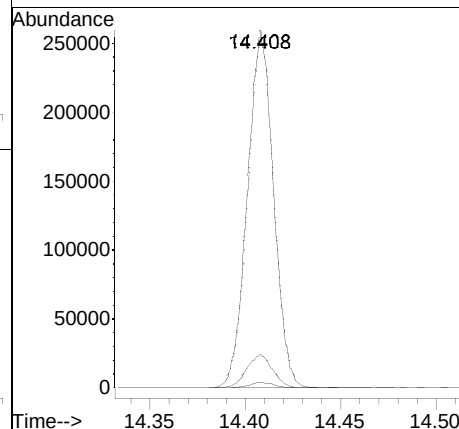
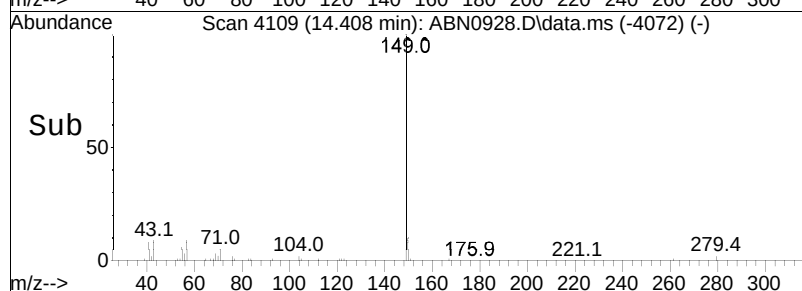
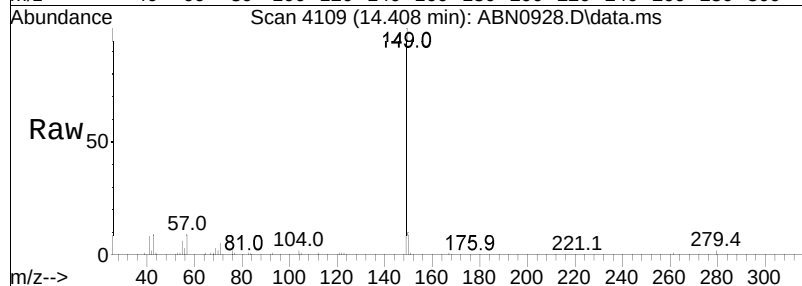
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	163341		
167	24.0		22.1	33.1
279	2.4		3.0	4.4#

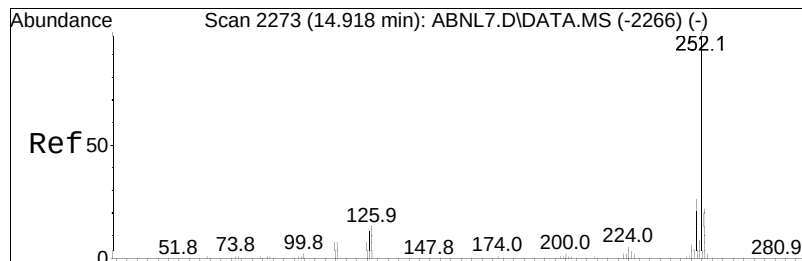




#109
 Di-n-octylphthalate
 Concen: 4.59 ug/ml
 RT: 14.408 min Scan# 4109
 Delta R.T. -0.009 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

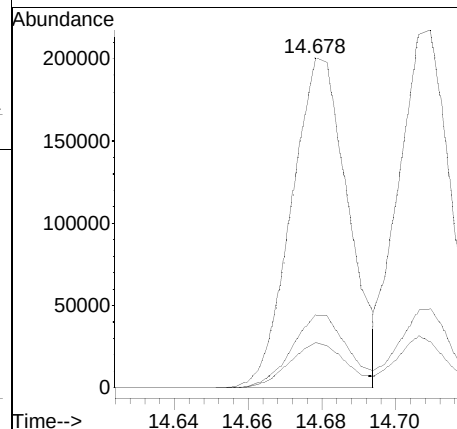
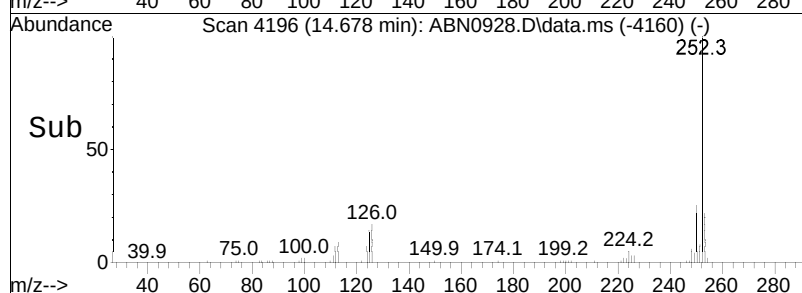
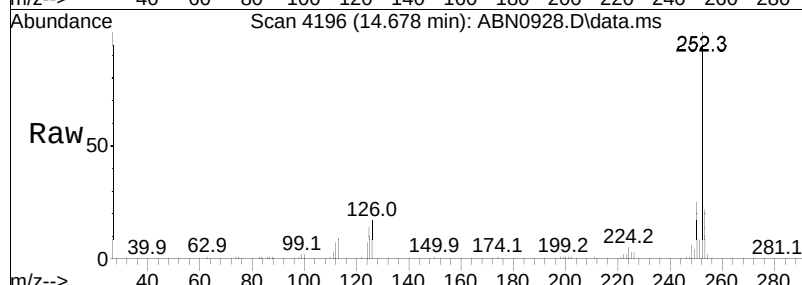
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	242363		
43	9.4	18.8	28.2#	
167	1.4	1.3	1.9	

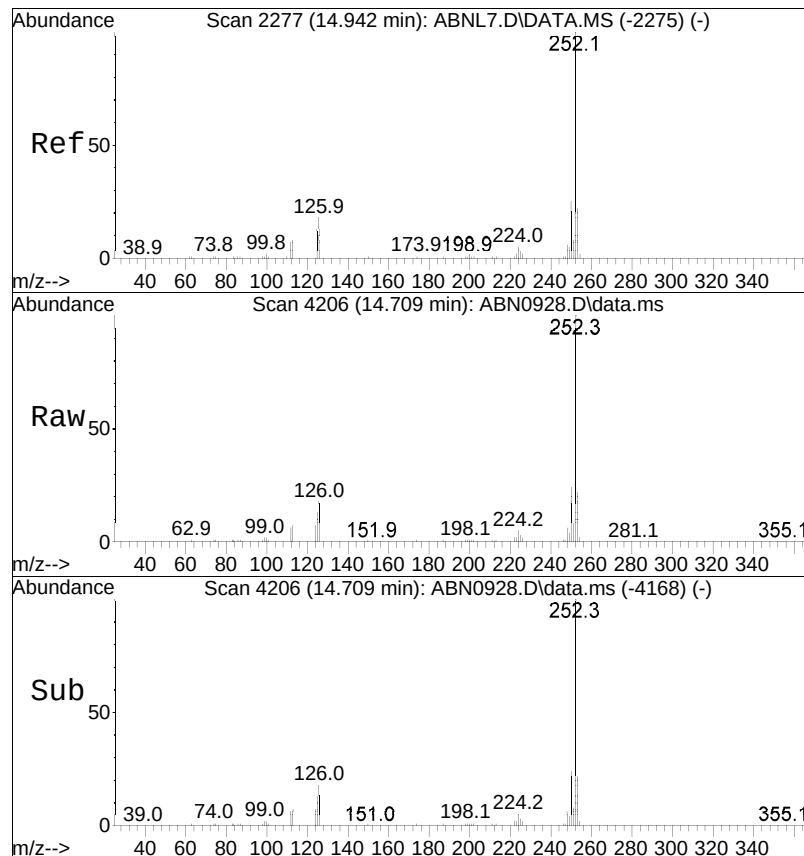




#110
 Benzo(b)fluoranthene
 Concen: 4.53 ug/ml
 RT: 14.678 min Scan# 4196
 Delta R.T. -0.012 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

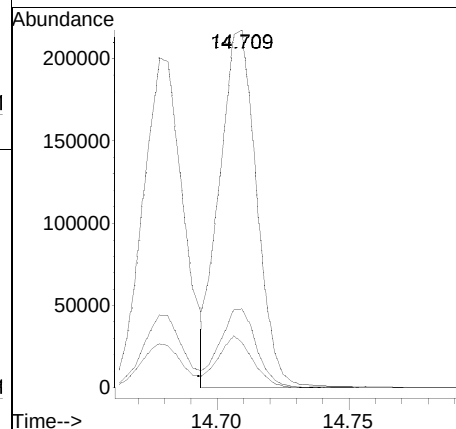
Tgt	Ion:252	Resp:	214464
Ion	Ratio	Lower	Upper
252	100		
125	14.0	13.3	19.9
253	21.9	17.1	25.7

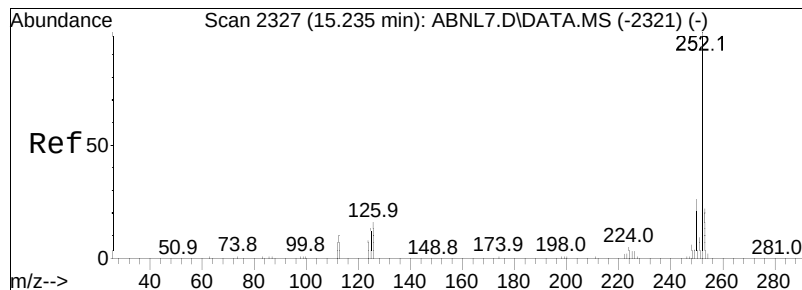




#111
 Benzo(k)fluoranthene
 Concen: 4.43 ug/ml
 RT: 14.709 min Scan# 4206
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion:	252	Resp:	212276
Ion Ratio	Lower	Upper	
252	100		
125	13.7	13.0	19.6
253	21.9	16.8	25.2





#112

Benzo(a)pyrene

Concen: 4.41 ug/ml

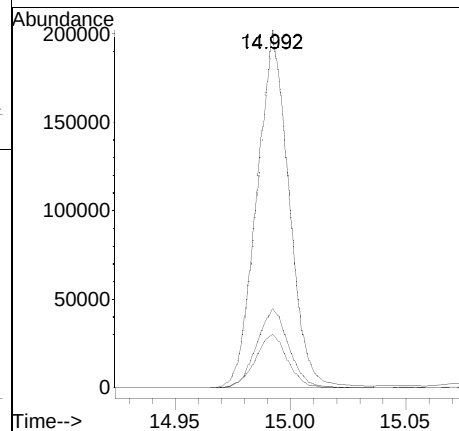
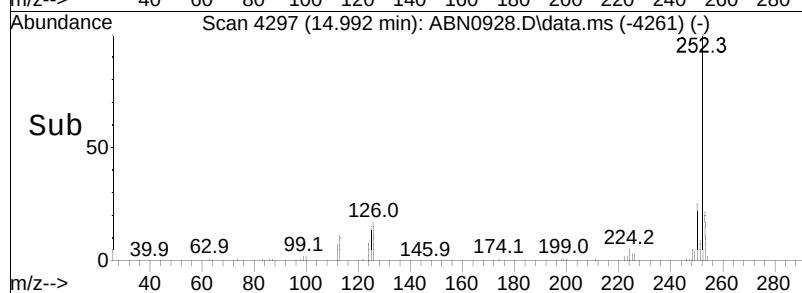
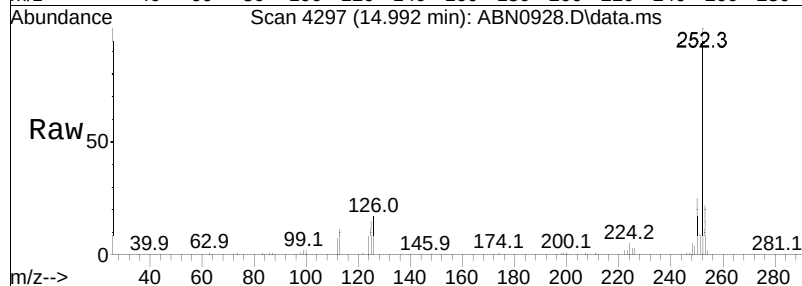
RT: 14.992 min Scan# 4297

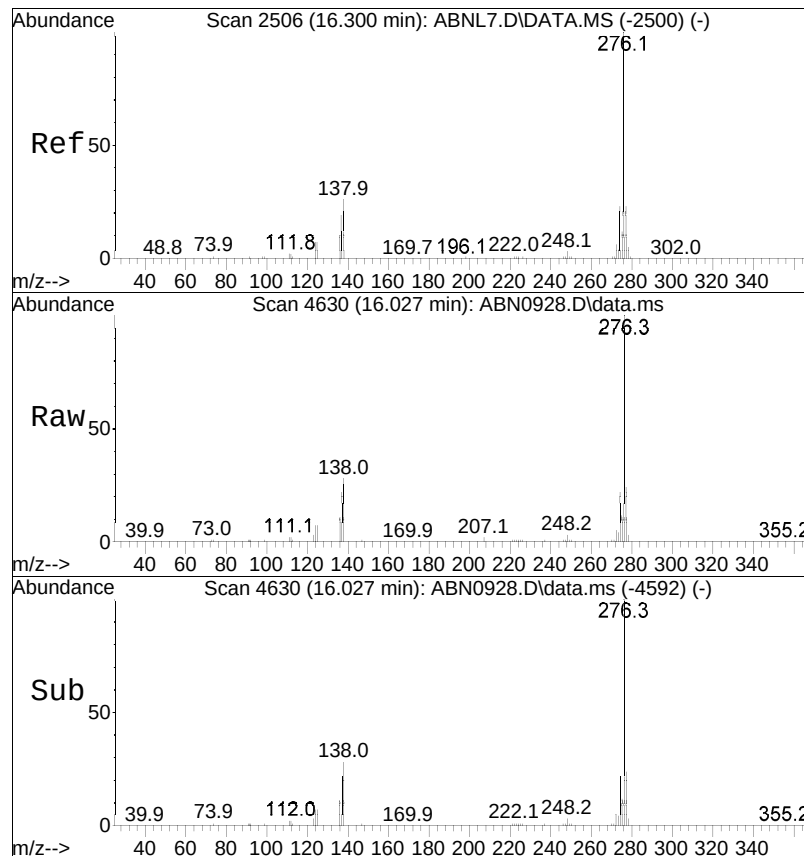
Delta R.T. -0.012 min

Lab File: ABN0928.D

Acq: 28 Sep 2025 7:00 pm

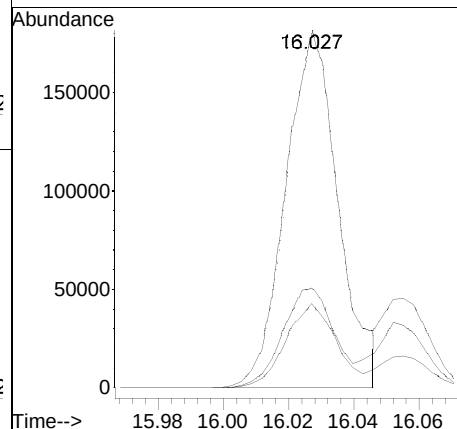
Tgt	Ion:252	Resp:	194067
Ion	Ratio	Lower	Upper
252	100		
125	15.0	14.2	21.2
253	22.4	16.9	25.3

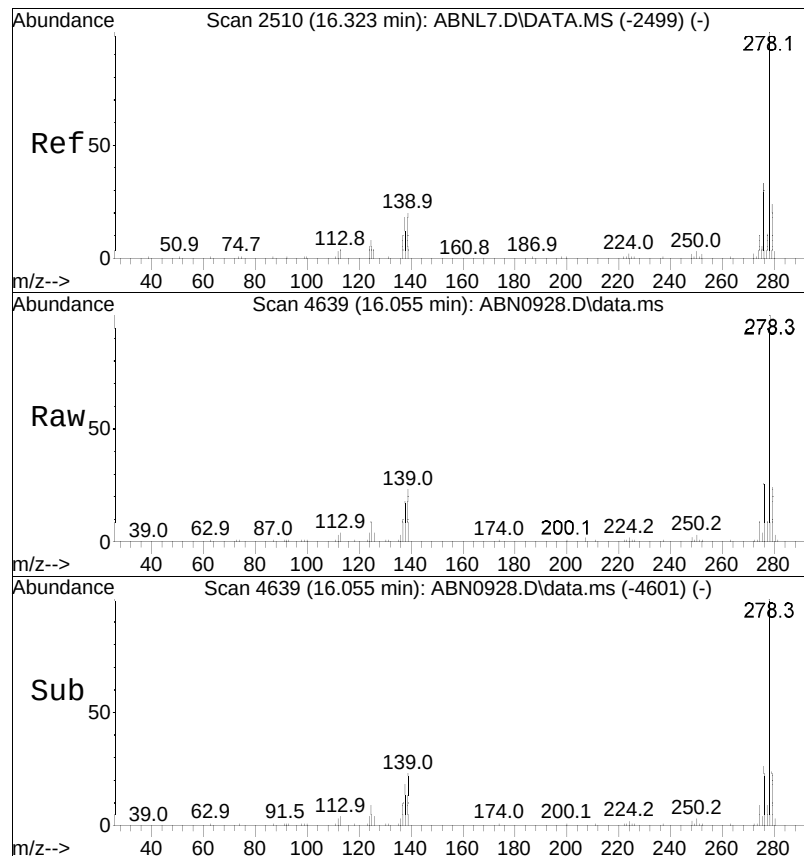




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 4.99 ug/mL
 RT: 16.027 min Scan# 4630
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

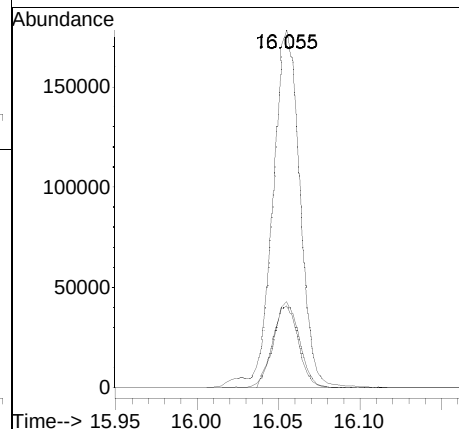
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.5	25.1	37.7
277	22.9	18.6	28.0

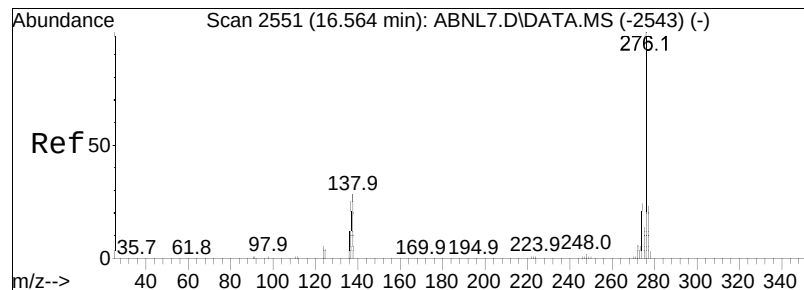




#115
 Dibenzo(a,h)anthracene
 Concen: 4.90 ug/ml
 RT: 16.055 min Scan# 4639
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

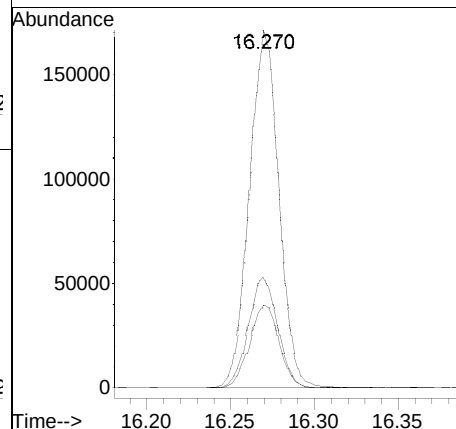
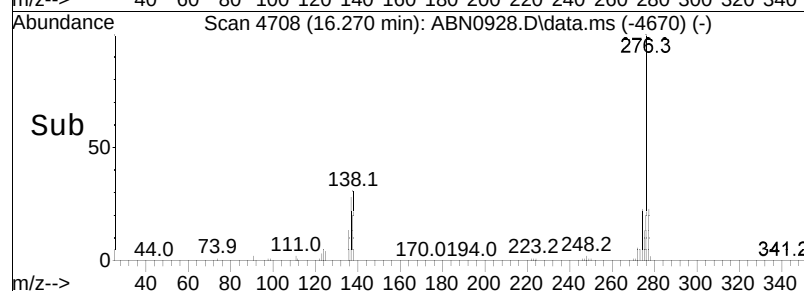
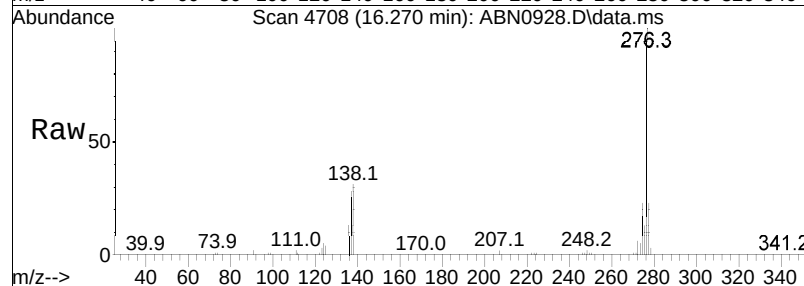
Tgt Ion:	278	Resp:	206343
Ion Ratio	Lower	Upper	
278	100		
139	21.7	20.8	31.2
279	23.2	18.3	27.5





#116
 Benzo(ghi)perylene
 Concen: 4.98 ug/ml
 RT: 16.270 min Scan# 4708
 Delta R.T. -0.006 min
 Lab File: ABN0928.D
 Acq: 28 Sep 2025 7:00 pm

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.1	29.2	43.8
277	23.5	18.8	28.2



Manual Integration Report

Data Path	: I:\8270\SV107\250928RVT\	QMethod	: FS250826SV107RVT.m
Data File	: ABN0928.D	Operator	: SV107:smz
Date Inj'd	: 9/28/2025 7:00 pm	Instrument	: SV107
Sample	: wg2120753-3,32,,ABN 11823	Quant Date	: 9/28/2025 7:19 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250928RVT\
 Data File : AP90928.D
 Acq On : 28 Sep 2025 7:25 pm
 Operator : SV107:smz
 Sample : wg2120753-4,32,,AP9 11662 gmr0814A
 Misc : wg2120753,,ical22592
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 28 19:43:56 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
28 T	Benzaldehyde	0.605	0.929	-53.6#	162	0.00
29 T	Acetophenone	1.796	1.649	8.2	97	0.00
30 T	m-Toluidine	1.129	1.422	-26.0#	133	0.00
31 T	2-Chloroaniline	1.545	1.525	1.3	102	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	104	0.00
56 T	a-Terpineol	0.250	0.305	-22.0#	124	0.00
57 T	3-Chloroaniline	0.117	0.137	-17.1	112	0.00
58 T	2,6-Dichlorophenol	0.264	0.291	-10.2	107	0.00
59 T	1-chloro-2-nitrobenzene	0.124	0.133	-7.3	112	0.00
60 T	Caprolactam	0.125	0.146	-16.8	127	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.415	0.364	12.3	95	0.00
62 T	Biphenyl	0.948	0.859	9.4	97	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	102	0.00
84 T	Dichloran	0.145	0.140	3.4	113	0.00
85 T	Pentachloronitrobenzene	0.133	0.139	-4.5	103	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	100	0.00
99 T	Diphenamid	0.435	0.430	1.1	93	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : AP90928.D
 Acq On : 28 Sep 2025 7:25 pm
 Operator : SV107:smz
 Sample : wg2120753-4,32,,AP9 11662 gmr0814A
 Misc : wg2120753,,ical22592
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 28 19:43:56 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.305	152	52161	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	7.744	136	190696	4.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	9.513	164	106979	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	10.952	188	199573	4.000	ug/ml	# 0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	5.718	105	60550	7.671	ug/ml	96
29) Acetophenone	6.812	105	107490	4.589	ug/ml#	83
30) m-Toluidine	6.915	106	92720	6.299	ug/ml	96
31) 2-Chloroaniline	7.319	127	99410	4.934	ug/ml#	93
56) a-Terpineol	7.822	59	72666	6.093	ug/ml	92
57) 3-Chloroaniline	7.835	65	32683	5.877	ug/ml	95
58) 2,6-Dichlorophenol	7.856	162	69423	5.514	ug/ml#	87
59) 1-chloro-2-nitrobenzene	8.127	111	31693	5.351	ug/ml#	1
60) Caprolactam	8.176	55	34745	5.834	ug/ml#	80
61) 1,2,4,5-Tetrachloroben...	8.658	216	86834	4.392	ug/ml	98
62) Biphenyl	8.966	154	204826	4.534	ug/ml	100
84) Dichloran	10.647	206	18744	4.850	ug/ml#	66
85) Pentachloronitrobenzene	10.793	237	18589	5.243	ug/ml	85
99) Diphenamid	11.872	167	107182	4.942	ug/ml	83

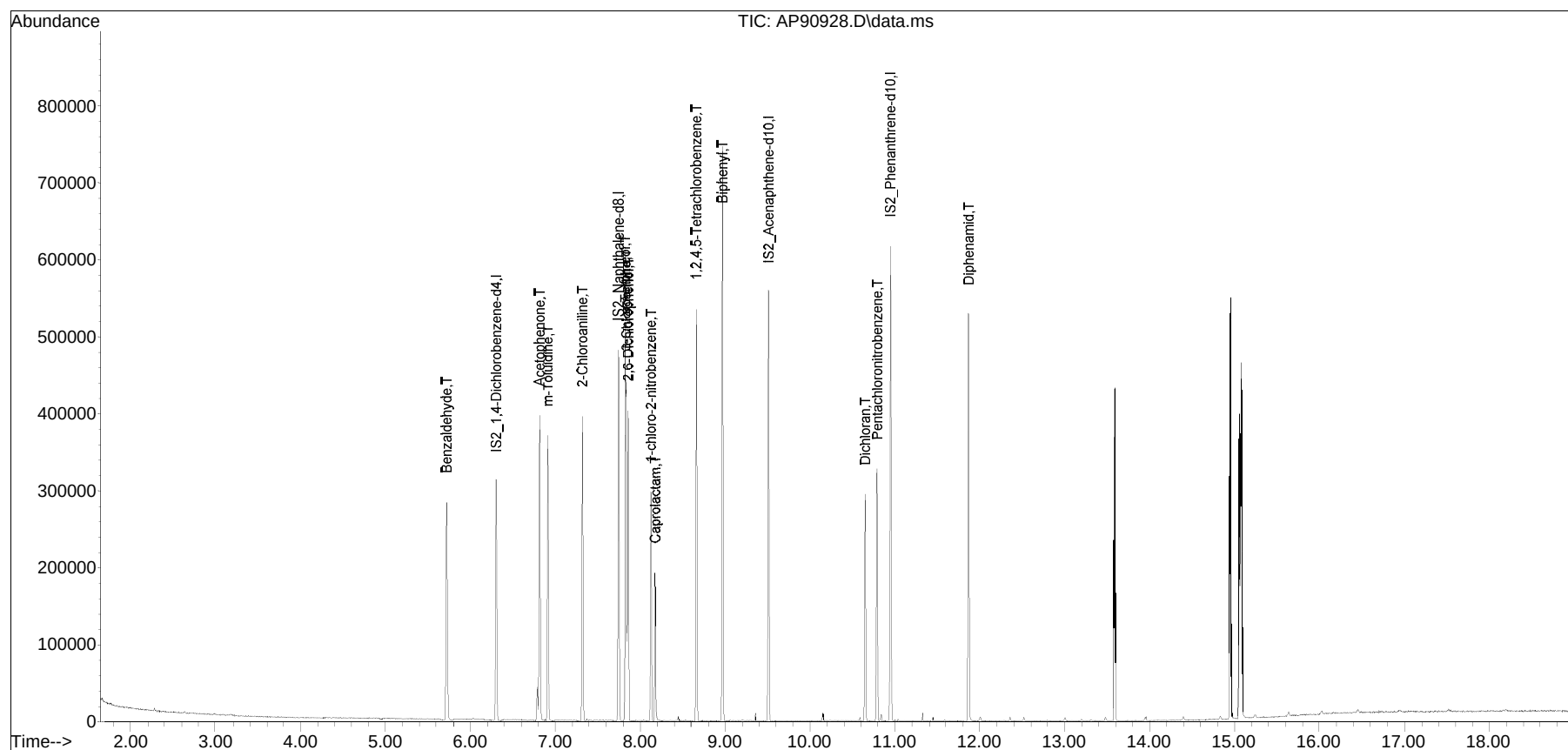
(#) = qualifier out of range (m) = manual integration (+) = signals summed

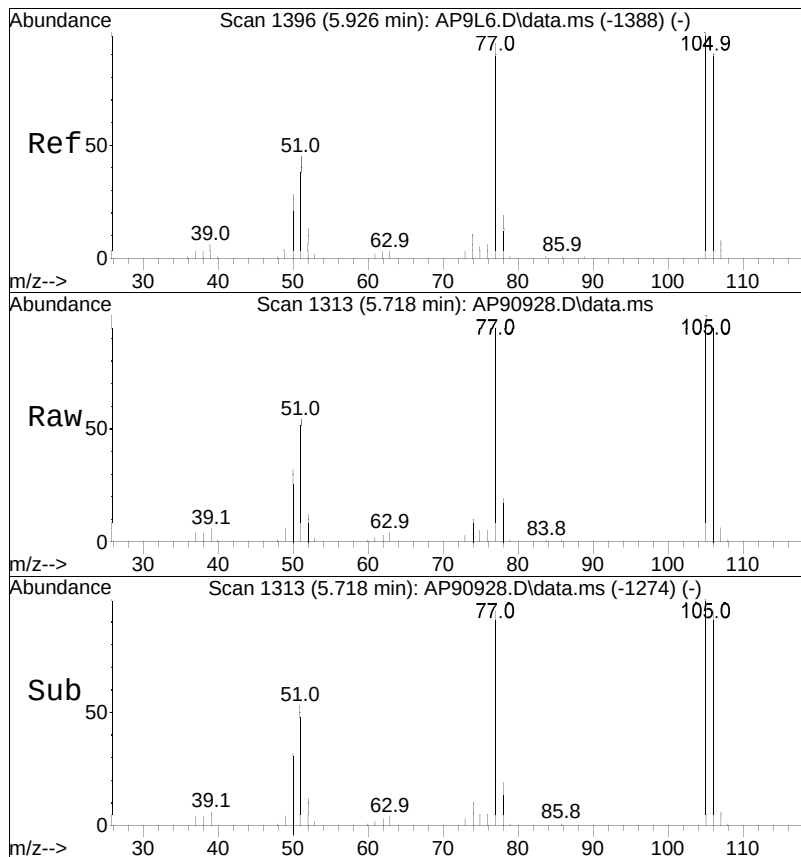
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : AP90928.D
 Acq On : 28 Sep 2025 7:25 pm
 Operator : SV107:smz
 Sample : wg2120753-4,32,,AP9 11662 gmr0814A
 Misc : wg2120753,,ical22592
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 28 19:43:56 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

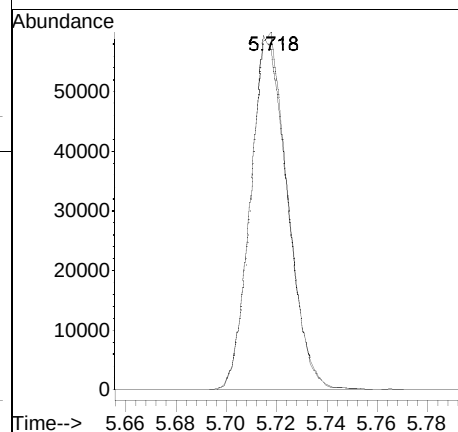
Sub List : AP9ical - AP9 ical sublist

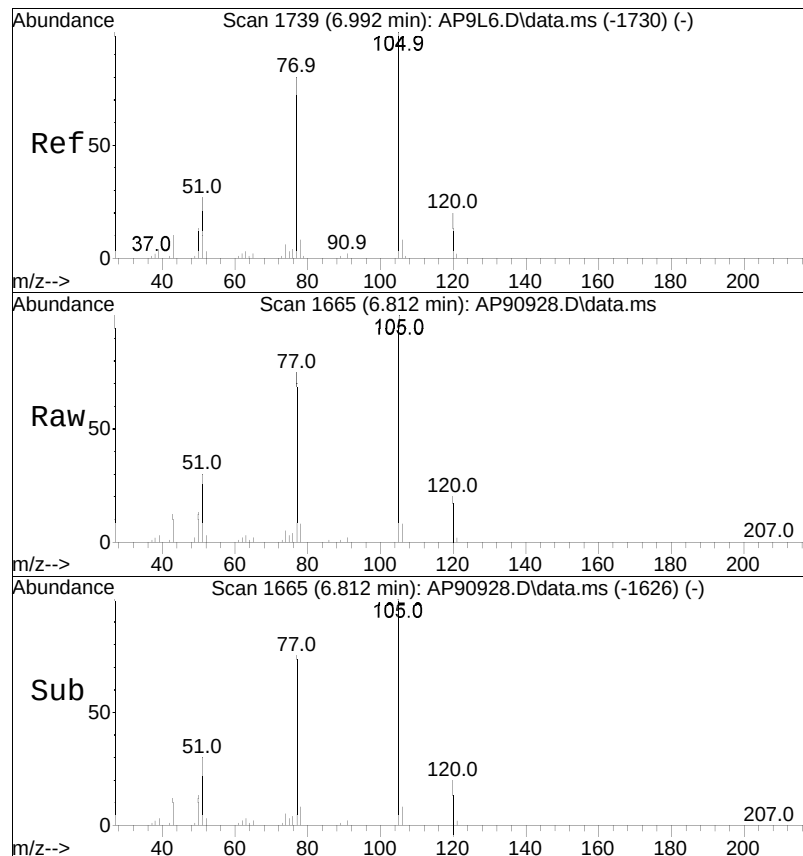




#28
 Benzaldehyde
 Concen: 7.67 ug/ml
 RT: 5.718 min Scan# 1313
 Delta R.T. -0.003 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 7:25 pm

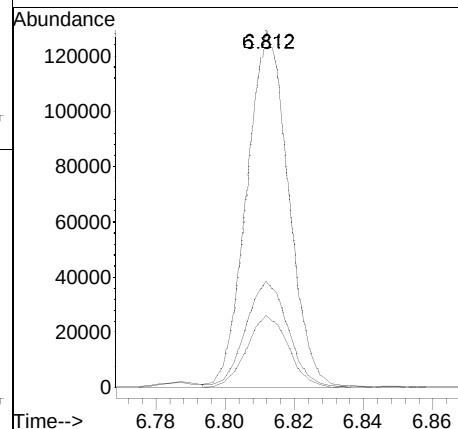
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	60550		
77	98.5	82.2	123.4	

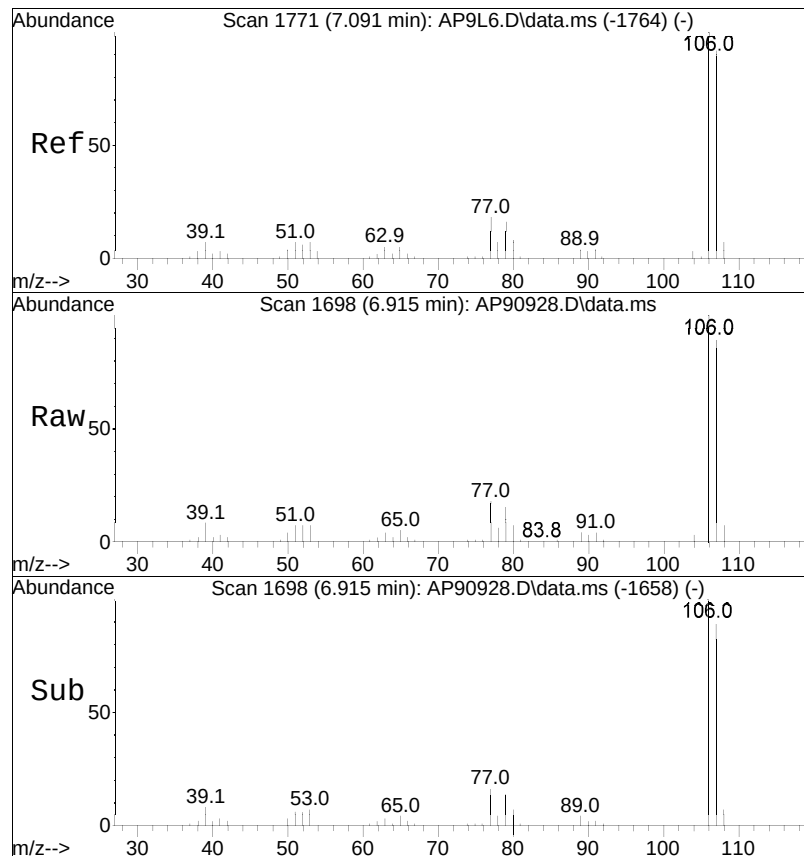




#29
 Acetophenone
 Concen: 4.59 ug/ml
 RT: 6.812 min Scan# 1665
 Delta R.T. -0.003 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 7:25 pm

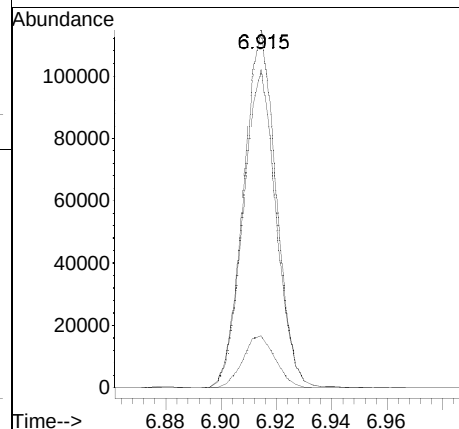
Tgt Ion	105	Resp	107490
Ion Ratio	Lower	Upper	
105	100		
120	20.3	20.5	30.7#
51	30.0	34.9	52.3#

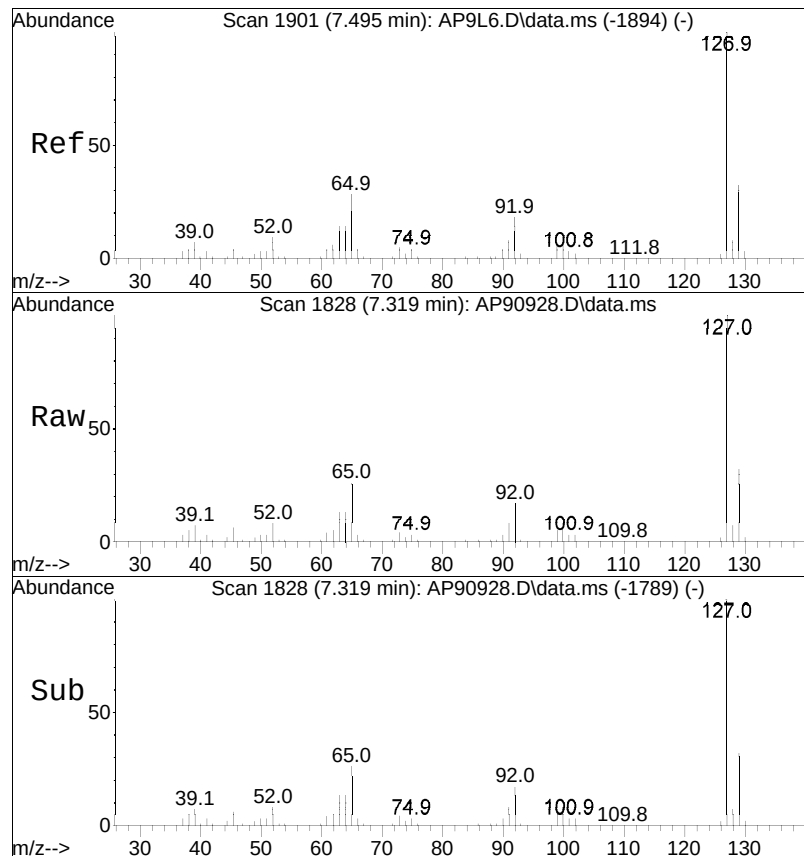




#30
 m-Toluidine
 Concen: 6.30 ug/ml
 RT: 6.915 min Scan# 1698
 Delta R.T. 0.000 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 7:25 pm

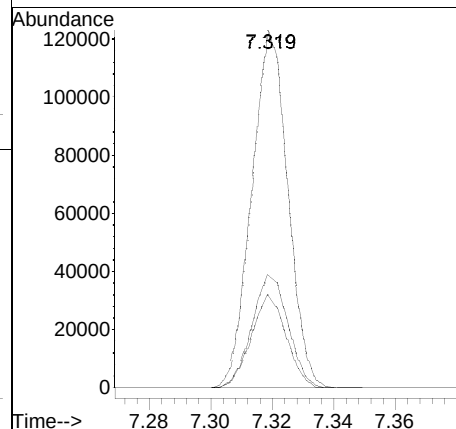
Tgt Ion:	106	Resp:	92720
Ion Ratio	Lower	Upper	
106	100		
107	90.1	75.7	113.5
79	14.6	11.8	17.8

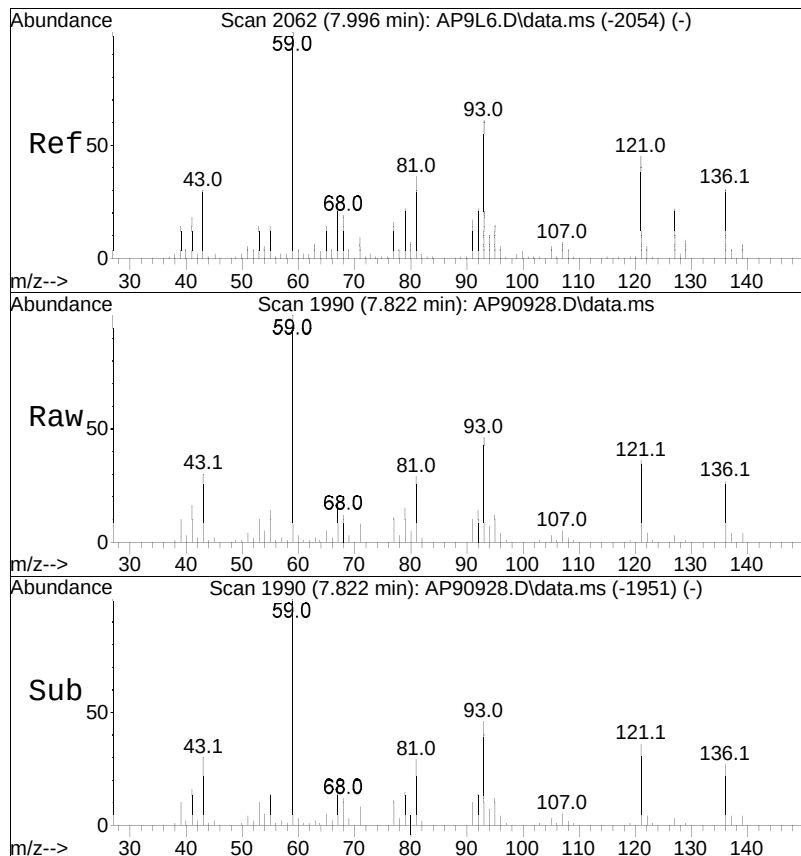




#31
 2-Chloroaniline
 Concen: 4.93 ug/ml
 RT: 7.319 min Scan# 1828
 Delta R.T. -0.003 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 7:25 pm

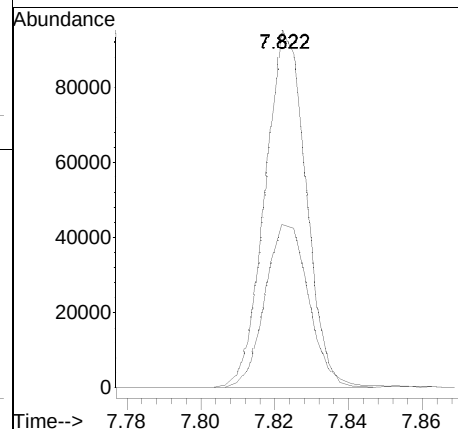
Tgt Ion:	127	Resp:	99410
Ion Ratio	Lower	Upper	
127	100		
129	32.0	25.9	38.9
65	25.4	26.3	39.5#

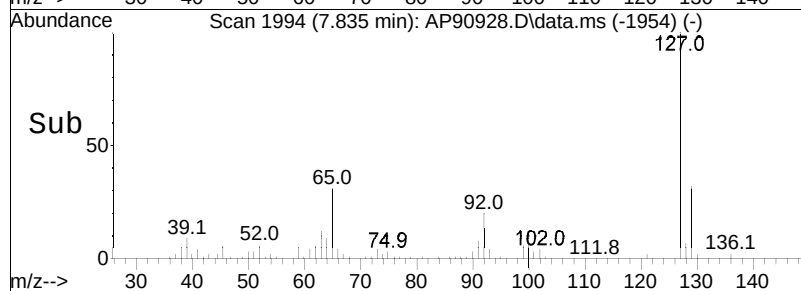
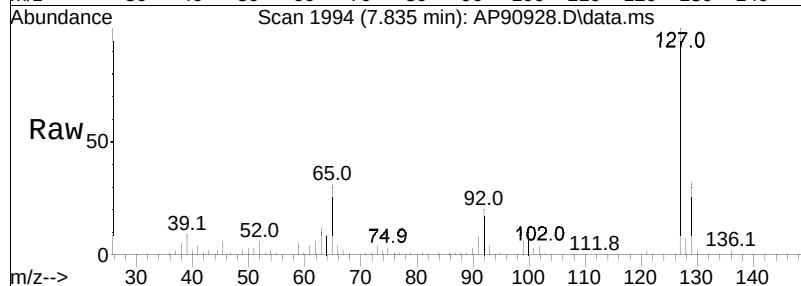
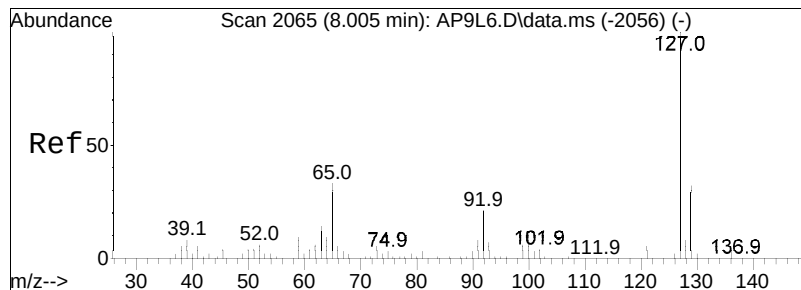




#56
a-Terpineol
Concen: 6.09 ug/ml
RT: 7.822 min Scan# 1990
Delta R.T. -0.003 min
Lab File: AP90928.D
Acq: 28 Sep 2025 7:25 pm

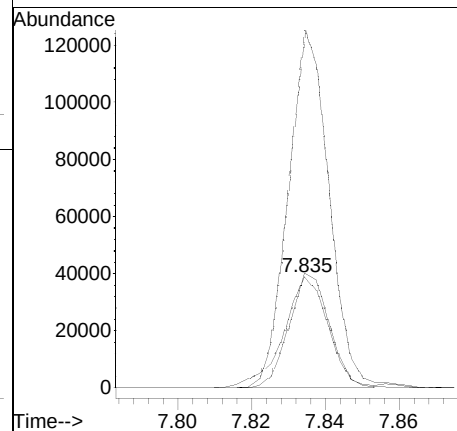
Tgt Ion:	59	93	Ratio	100	49.5	Resp:	72666	Lower	35.6	Upper	53.4
----------	----	----	-------	-----	------	-------	-------	-------	------	-------	------

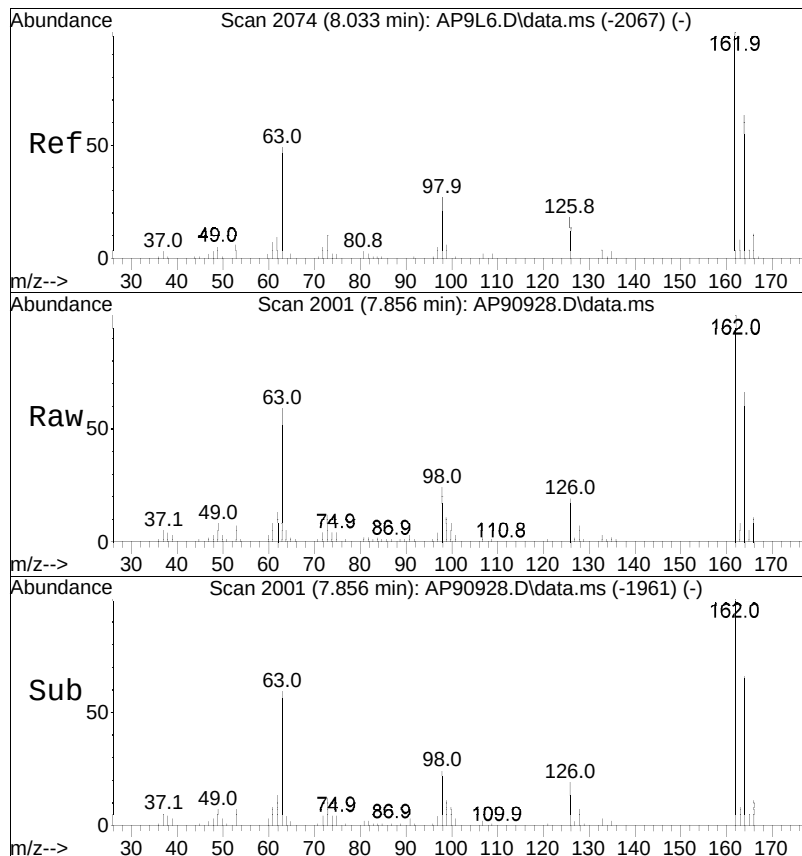




#57
 3-Chloroaniline
 Concen: 5.88 ug/ml
 RT: 7.835 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 7:25 pm

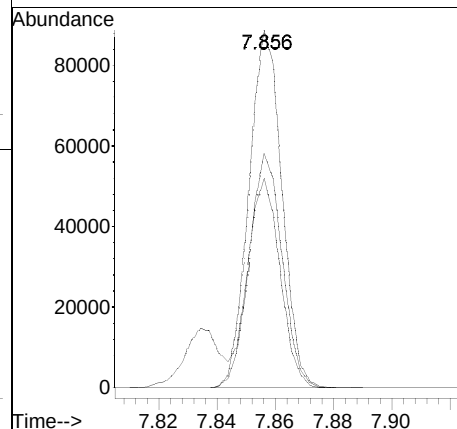
Tgt Ion:	65	127	129	Ratio	Lower	Upper
Resp:	32683					
Ion	100	293.8	93.6			
		243.2	78.8			
		364.8	118.2			

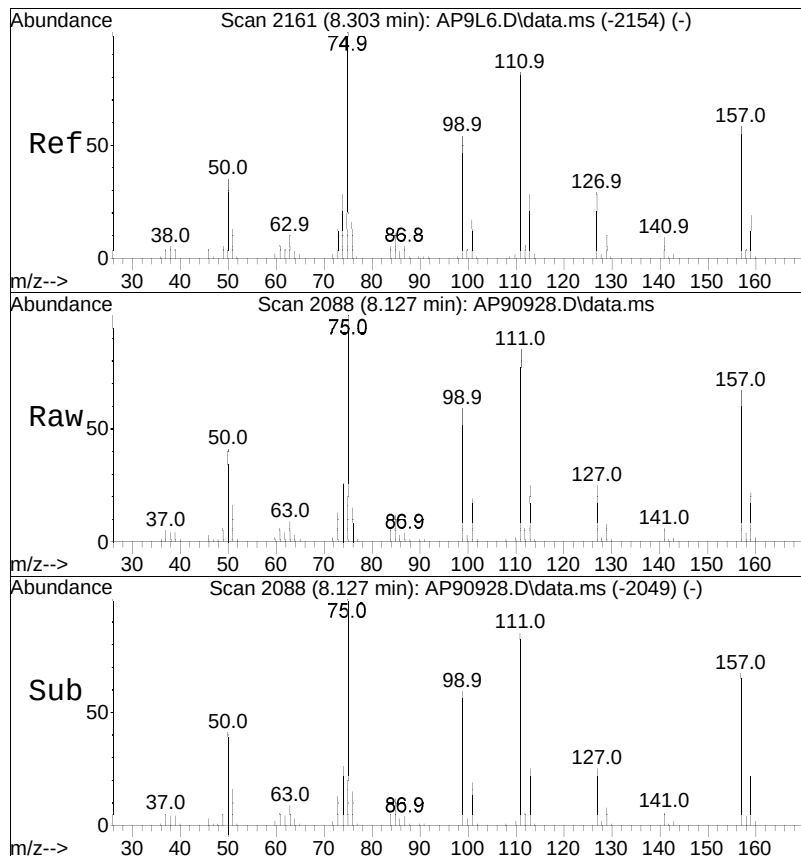




#58
 2,6-Dichlorophenol
 Concen: 5.51 ug/ml
 RT: 7.856 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 7:25 pm

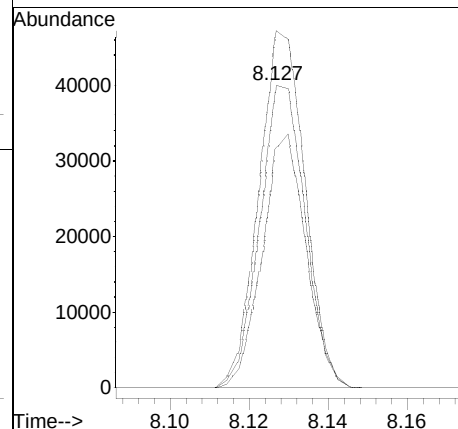
Tgt Ion:	162	Resp:	69423
Ion Ratio	Lower	Upper	
162	100		
164	65.1	51.1	76.7
63	57.0	60.8	91.2#

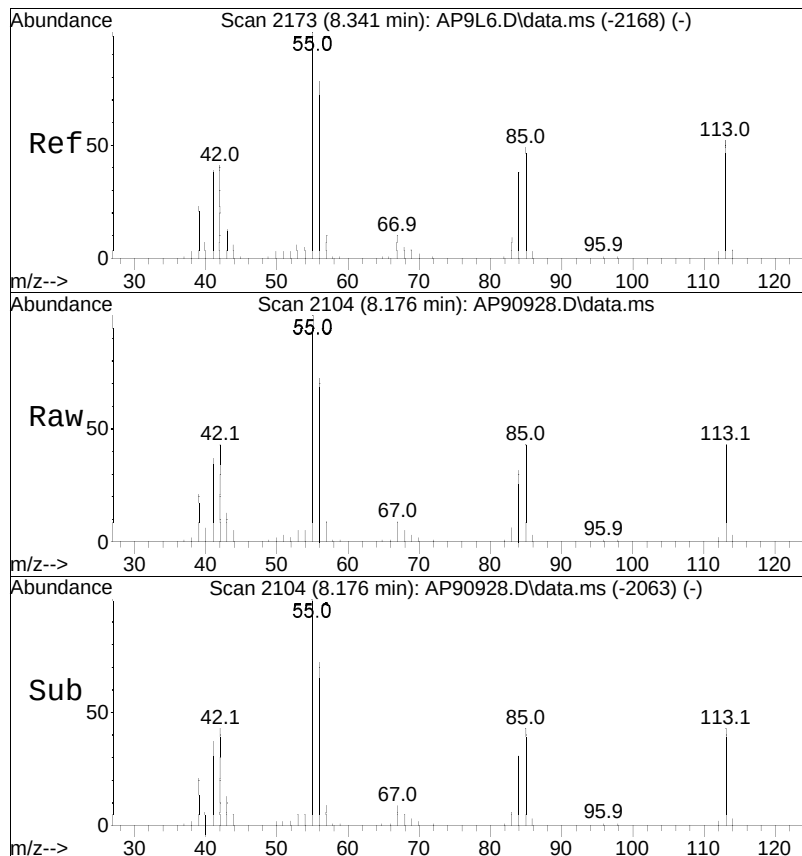




#59
 1-chloro-2-nitrobenzene
 Concen: 5.35 ug/ml
 RT: 8.127 min Scan# 2088
 Delta R.T. -0.003 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 7:25 pm

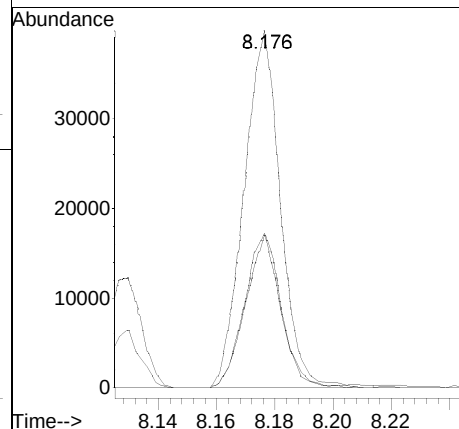
Tgt Ion:	111	Resp:	31693
Ion Ratio	Lower	Upper	
111	100		
157	81.1	0.0	0.0#
75	120.0	28.2	42.2#

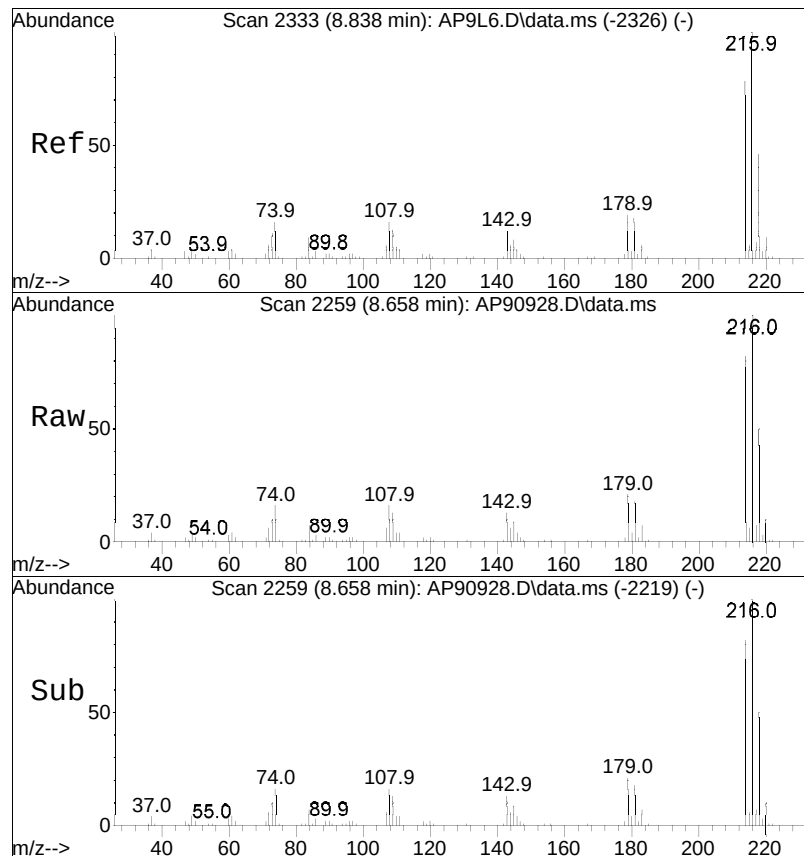




#60
 Caprolactam
 Concen: 5.83 ug/ml
 RT: 8.176 min Scan# 2104
 Delta R.T. 0.003 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 7:25 pm

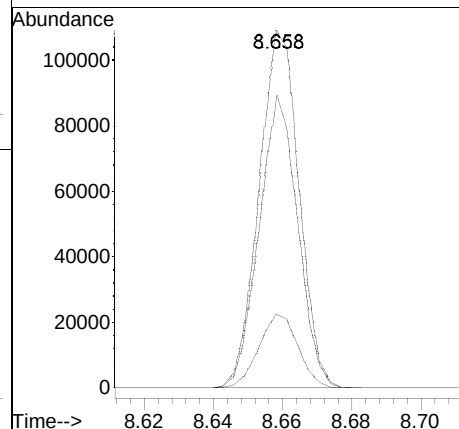
Tgt Ion:	55	Resp:	34745
Ion Ratio	Lower	Upper	
55	100		
85	41.3	19.8	29.6#
113	43.8	29.6	44.4

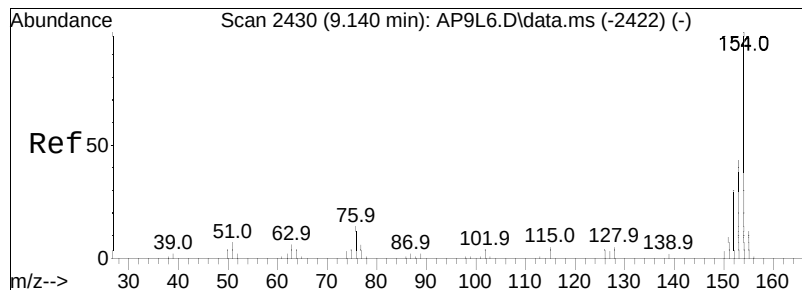




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.39 ug/ml
 RT: 8.658 min Scan# 2259
 Delta R.T. 0.000 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 7:25 pm

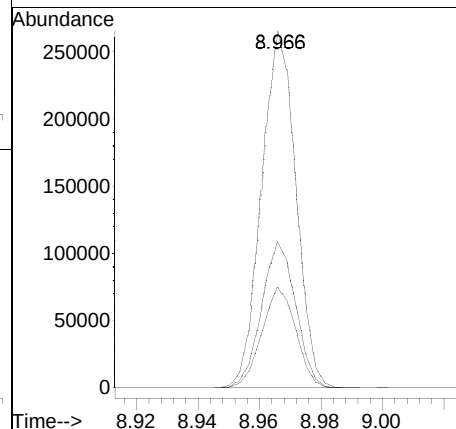
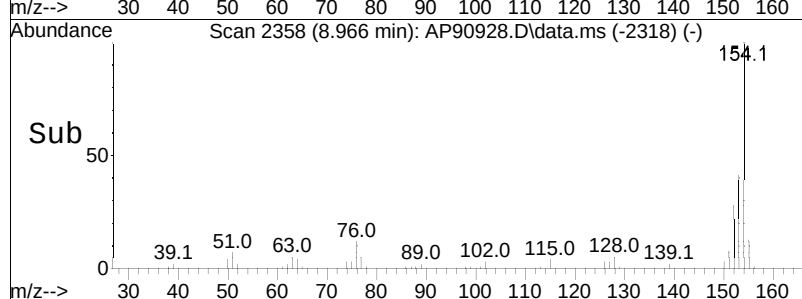
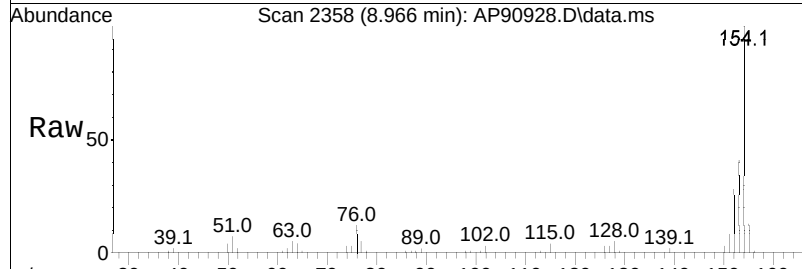
Tgt Ion:	216	Resp:	86834
Ion Ratio	Lower	Upper	
216	100		
214	78.9	63.7	95.5
179	20.3	19.0	28.6

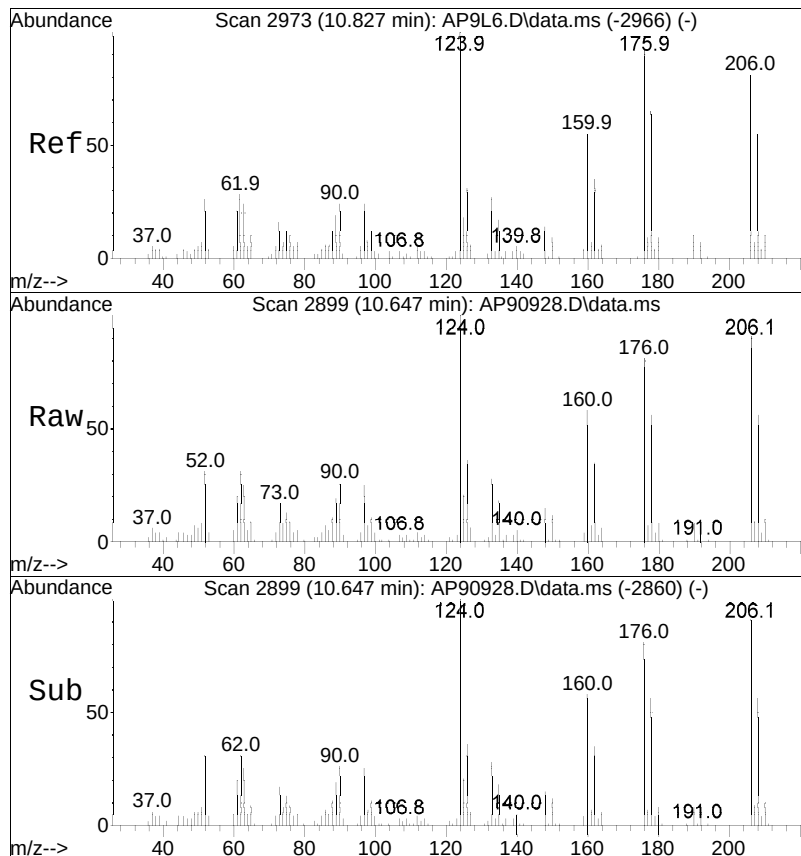




#62
 Biphenyl
 Concen: 4.53 ug/ml
 RT: 8.966 min Scan# 2358
 Delta R.T. 0.000 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 7:25 pm

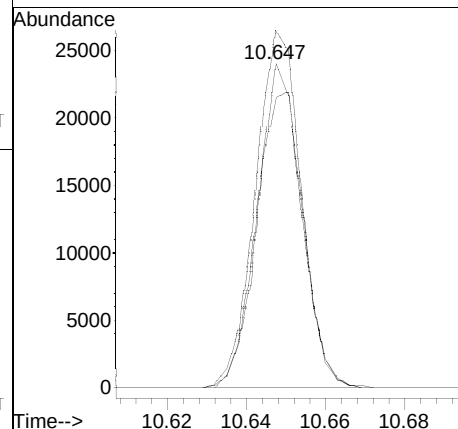
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	32.3	48.5
152	28.0	22.5	33.7

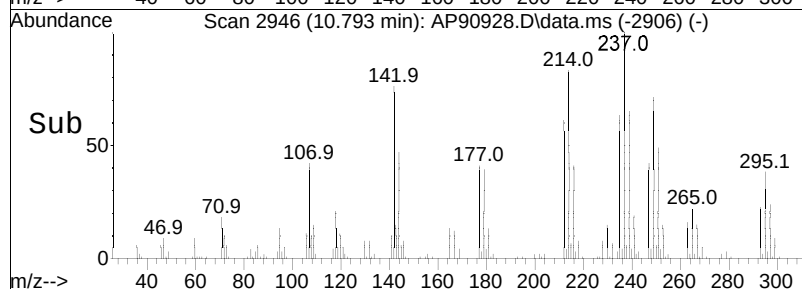
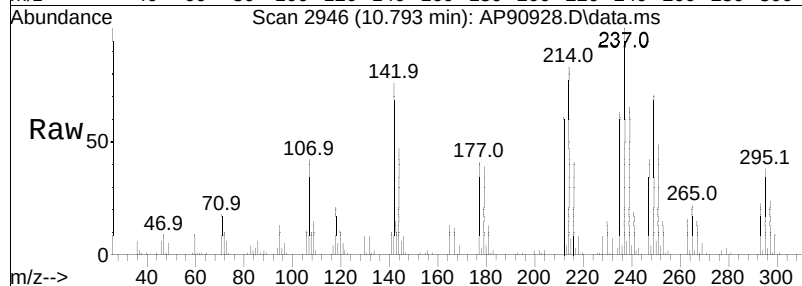
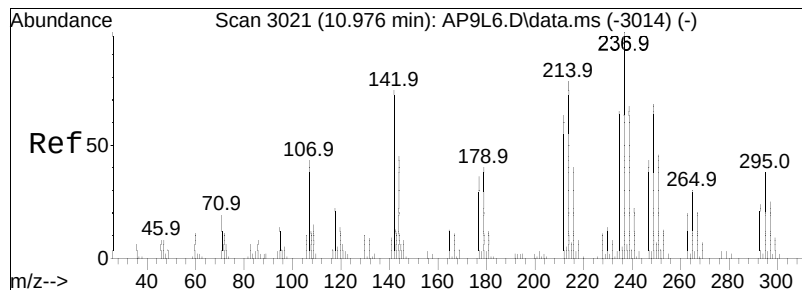




#84
 Dichloran
 Concen: 4.85 ug/ml
 RT: 10.647 min Scan# 2899
 Delta R.T. -0.003 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 7:25 pm

Tgt Ion:	206	Resp:	18744
Ion Ratio	Lower	Upper	
206	100		
176	95.2	104.6	157.0#
124	113.3	130.5	195.7#





#85

Pentachloronitrobenzene

Concen: 5.24 ug/ml

RT: 10.793 min Scan# 2946

Delta R.T. 0.000 min

Lab File: AP90928.D

Acq: 28 Sep 2025 7:25 pm

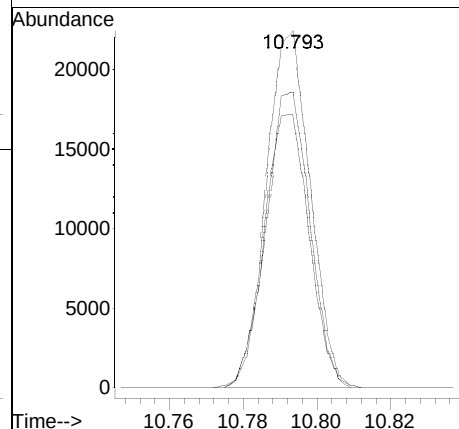
Tgt Ion: 237 Resp: 18589

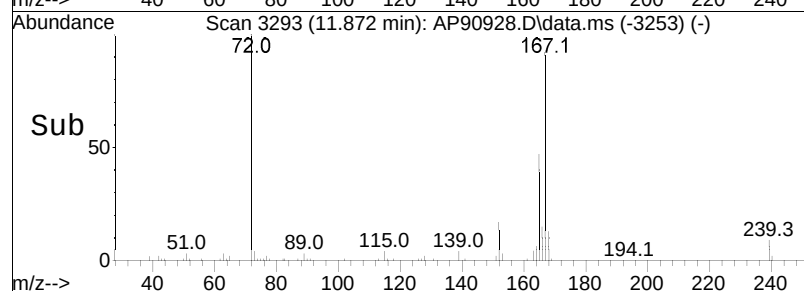
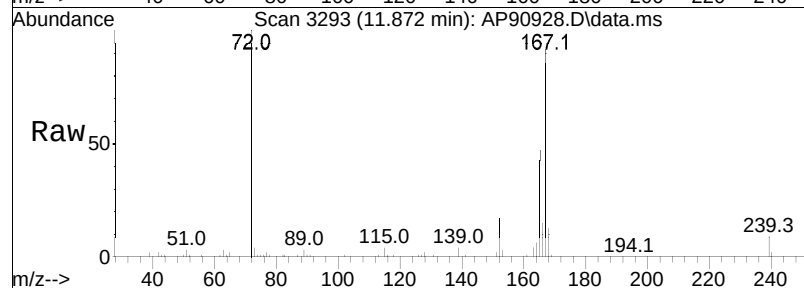
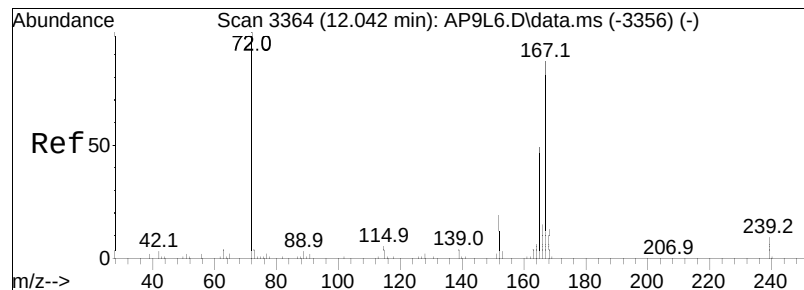
Ion Ratio Lower Upper

237 100

142 78.1 77.0 115.4

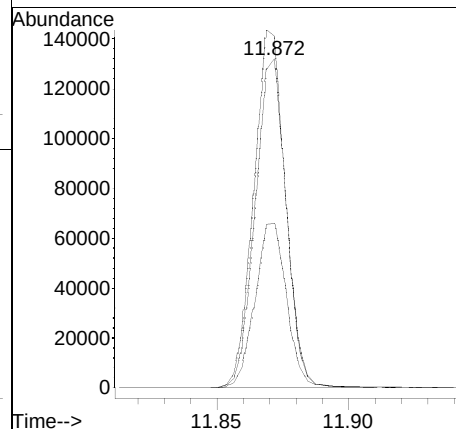
214 82.1 58.2 87.4





#99
 Diphenamid
 Concen: 4.94 ug/ml
 RT: 11.872 min Scan# 3293
 Delta R.T. 0.000 min
 Lab File: AP90928.D
 Acq: 28 Sep 2025 7:25 pm

Tgt Ion	Ratio	Lower	Upper
167	100		
72	109.9	109.7	164.5
165	51.3	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV107\250928RVT\	QMethod	: FS250826SV107RVT.m
Data File	: AP90928.D	Operator	: SV107:smz
Date Inj'd	: 9/28/2025 7:25 pm	Instrument	: SV107
Sample	: wg2120753-4,32,,AP9 11662	Quant Date	: 9/28/2025 7:44 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250928RVT\
 Data File : ADP0928.D
 Acq On : 28 Sep 2025 7:50 pm
 Operator : SV107:smz
 Sample : wg2120753-5,32,,ADP 11661 gmr0913A
 Misc : wg2120753,,ical22592
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 28 20:09:05 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
33	1,4-Dioxane	0.545	0.494	9.4	85	0.00
34 T	n-Decane	1.567	1.729	-10.3	100	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	86	0.00
87 T	Atrazine	0.330	0.354	-7.3	90	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	85	0.00
101 T	n-Octadecane	0.441	0.539	-22.2#	101	0.00
102 T	Parathion	* 5.000	5.725	-14.5	112	0.00
103 T	3,3'-Dimethylbenzidine	* 5.000	3.591	28.2#	64	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : ADP0928.D
 Acq On : 28 Sep 2025 7:50 pm
 Operator : SV107:smz
 Sample : wg2120753-5,32,,ADP 11661 gmr0913A
 Misc : wg2120753,,ical22592
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 28 20:09:05 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.305	152	47729	4.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	9.513	164	102007	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	10.952	188	199559	4.000	ug/ml	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.721	88	29479	4.532	ug/ml#	66
34) n-Decane	6.196	57	103125	5.516	ug/ml#	52
87) Atrazine	10.737	200	45111	5.358	ug/ml	95
101) n-Octadecane	10.949	57	134552	6.118	ug/ml#	1
102) Parathion	11.751	109	22520	5.725	ug/ml	94
103) 3,3'-Dimethylbenzidine	13.031	212	93702	3.591	ug/ml	98

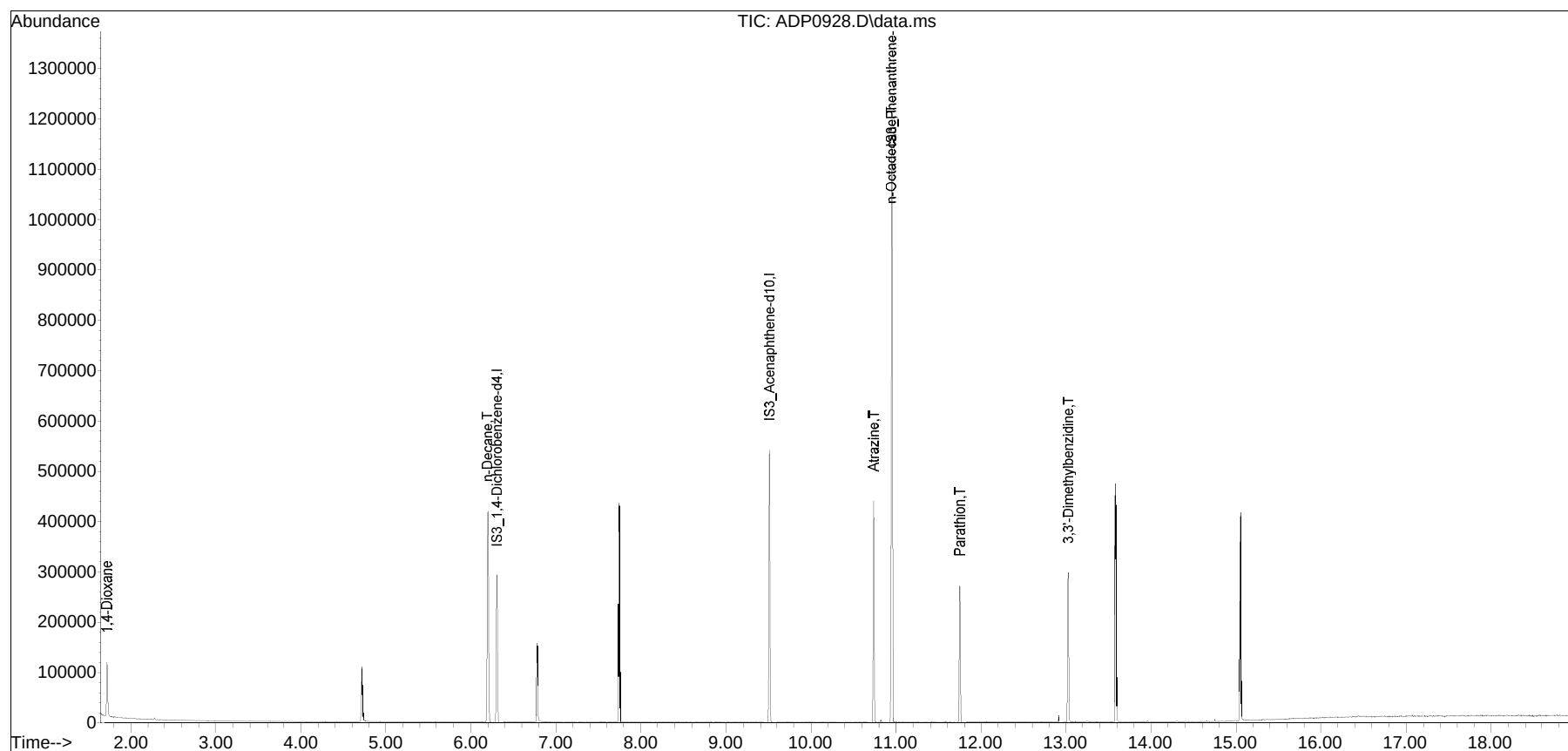
(#) = qualifier out of range (m) = manual integration (+) = signals summed

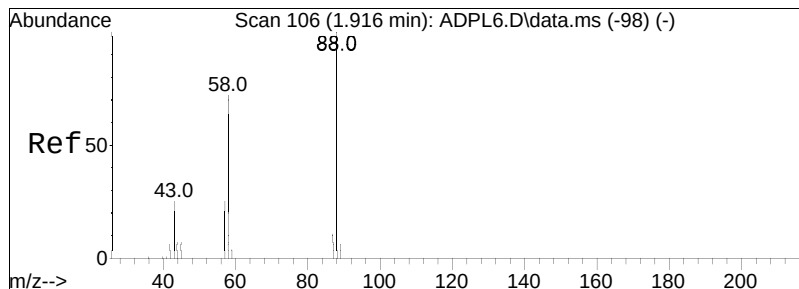
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250928RVT\
 Data File : ADP0928.D
 Acq On : 28 Sep 2025 7:50 pm
 Operator : SV107:smz
 Sample : wg2120753-5,32,,ADP 11661 gmr0913A
 Misc : wg2120753,,ical22592
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 28 20:09:05 2025
 Quant Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 16:48:57 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist





#33

1,4-Dioxane

Concen: 4.53 ug/ml

RT: 1.721 min Scan# 27

Delta R.T. -0.022 min

Lab File: ADP0928.D

Acq: 28 Sep 2025 7:50 pm

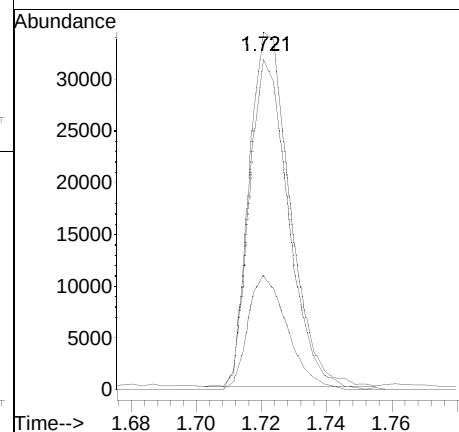
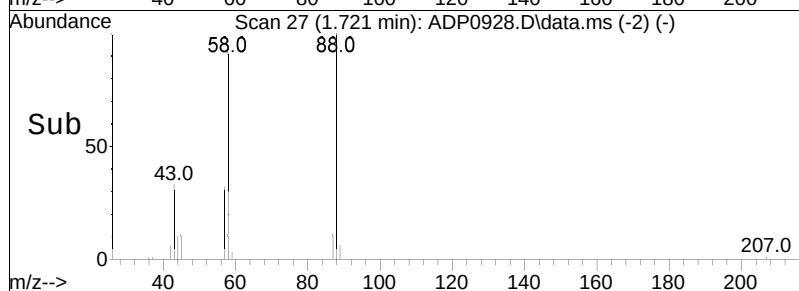
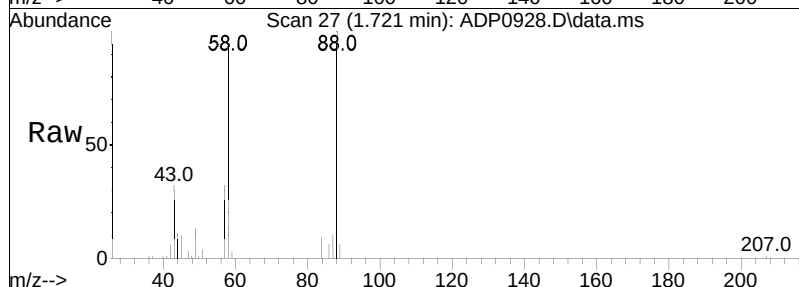
Tgt Ion: 88 Resp: 29479

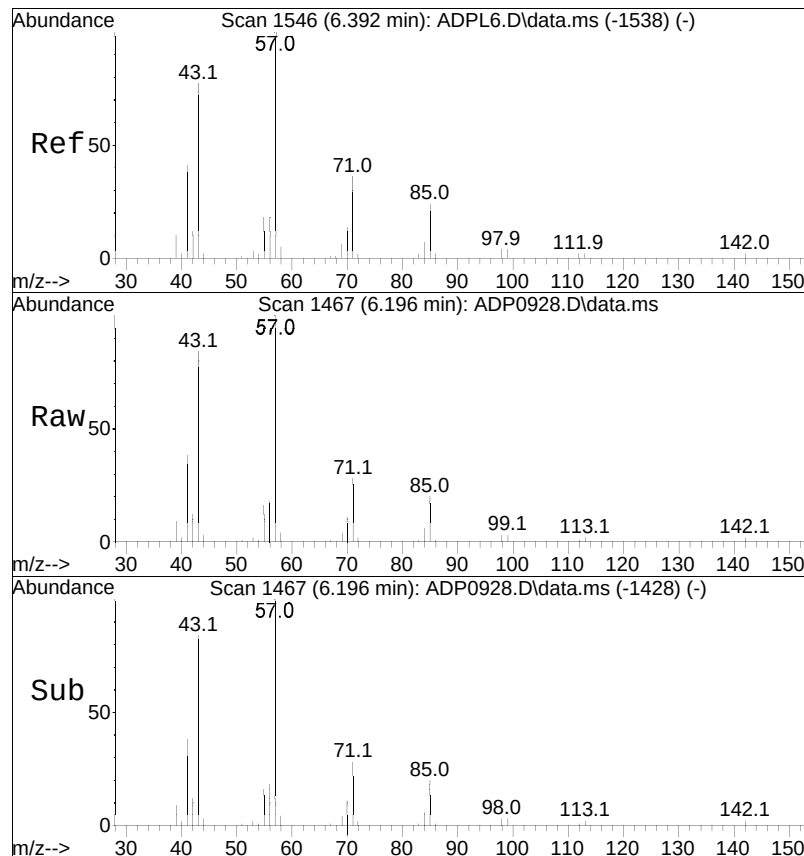
Ion Ratio Lower Upper

88 100

58 90.5 44.8 67.2#

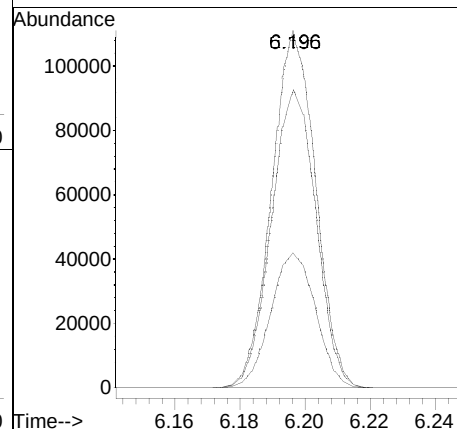
43 31.5 22.4 33.6

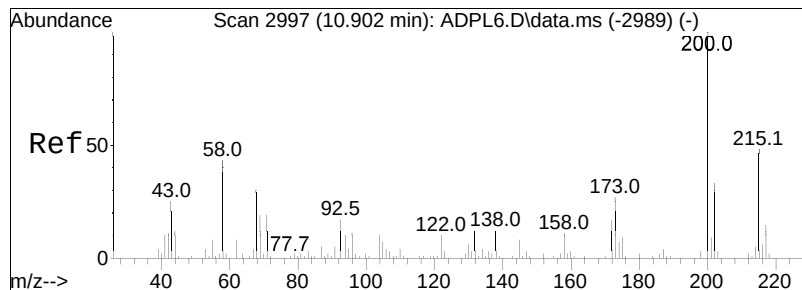




#34
 n-Decane
 Concen: 5.52 ug/ml
 RT: 6.196 min Scan# 1467
 Delta R.T. -0.003 min
 Lab File: ADP0928.D
 Acq: 28 Sep 2025 7:50 pm

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	103125		
43	85.0		0.2	0.2#
41	38.8		0.2	0.2#





#87

Atrazine

Concen: 5.36 ug/ml

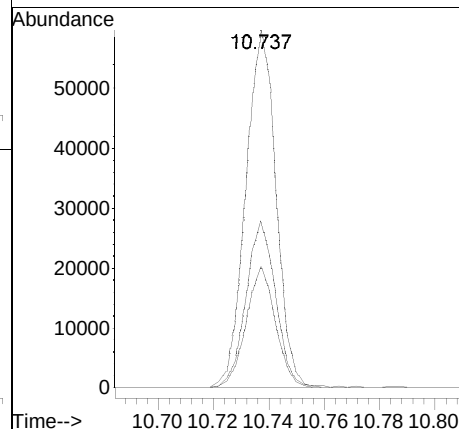
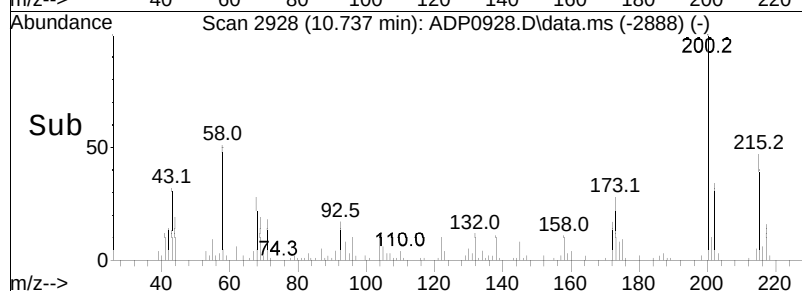
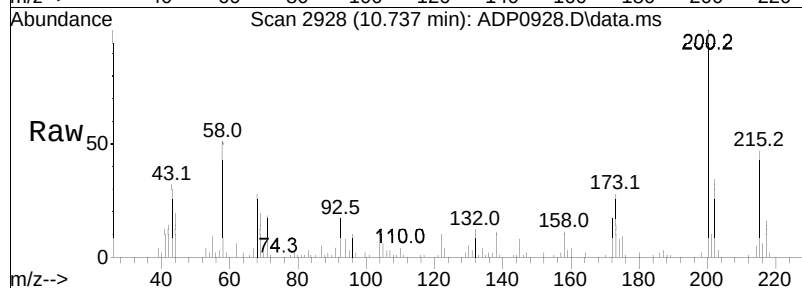
RT: 10.737 min Scan# 2928

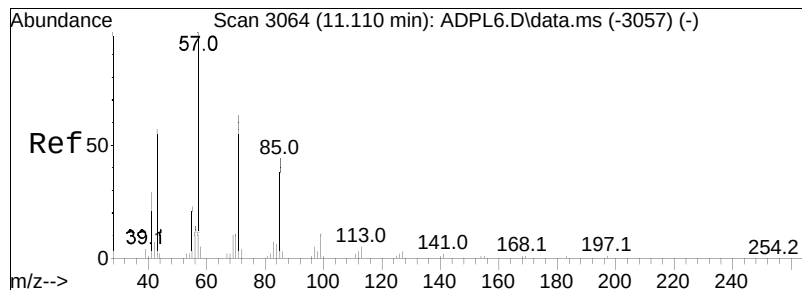
Delta R.T. -0.000 min

Lab File: ADP0928.D

Acq: 28 Sep 2025 7:50 pm

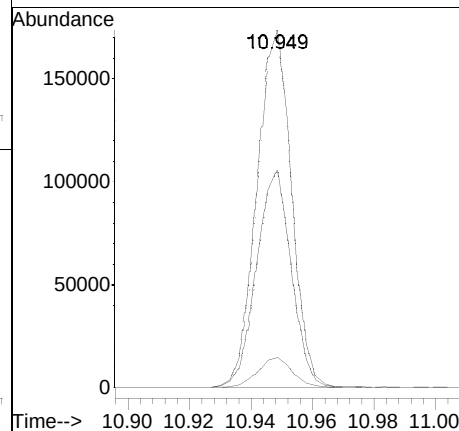
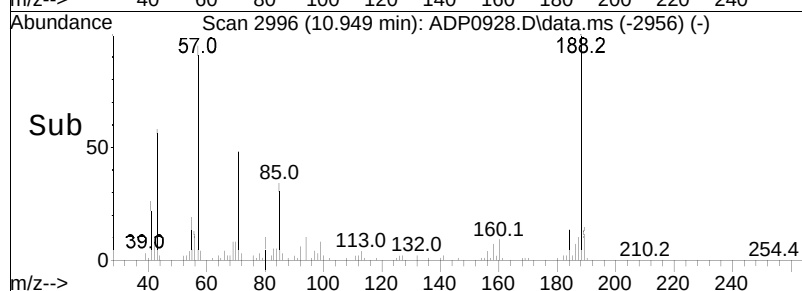
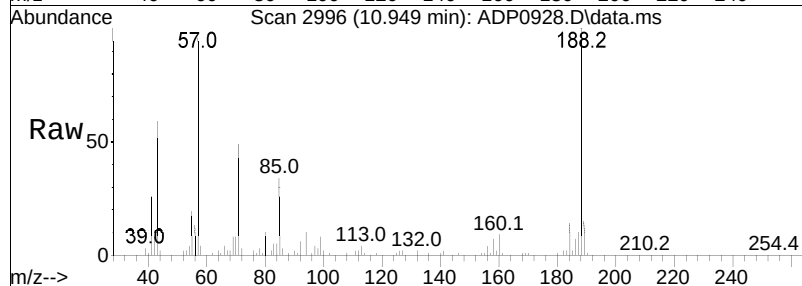
Tgt	Ion:200	Resp:	45111
Ion	Ratio	Lower	Upper
200	100		
202	32.9	25.8	38.6
215	45.6	40.2	60.4

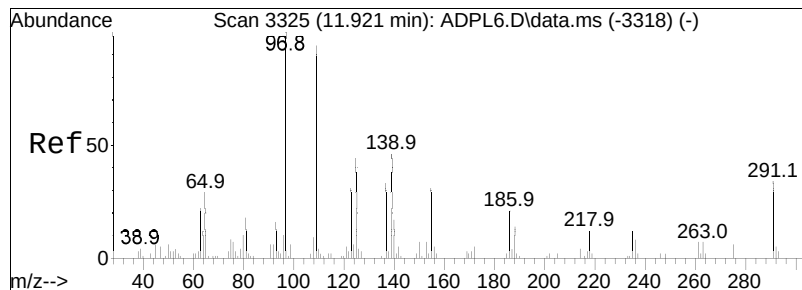




#101
 n-Octadecane
 Concen: 6.12 ug/ml
 RT: 10.949 min Scan# 2996
 Delta R.T. -0.000 min
 Lab File: ADP0928.D
 Acq: 28 Sep 2025 7:50 pm

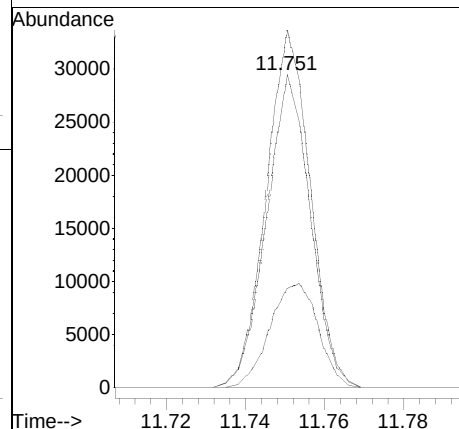
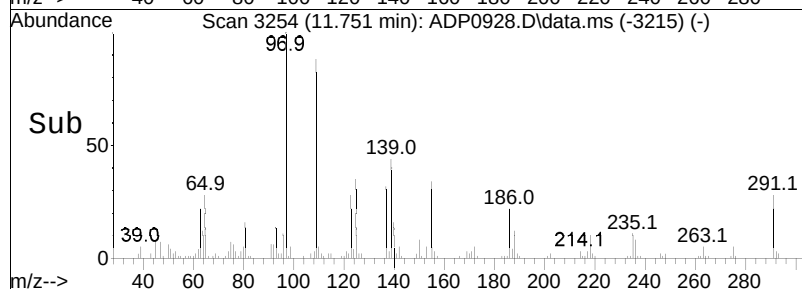
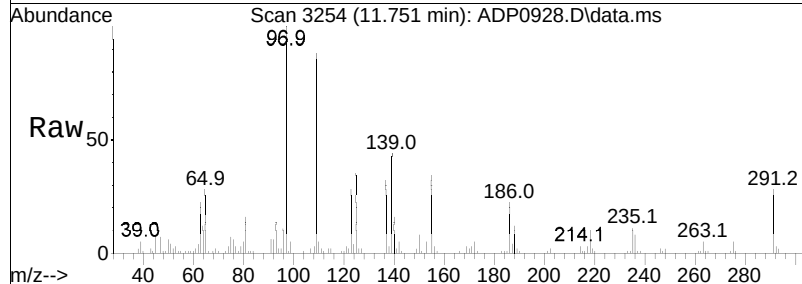
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	134552		
43	61.2		9.0	13.6#
70	8.5		0.2	0.2#

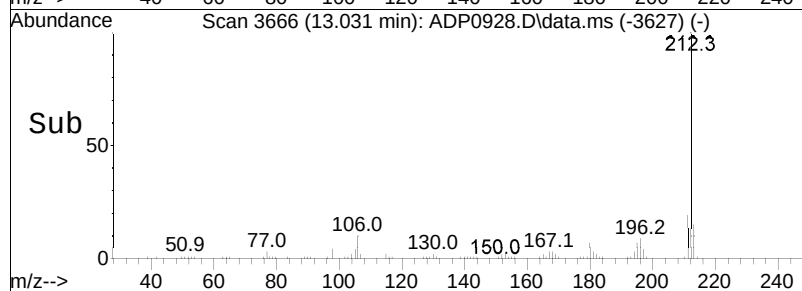
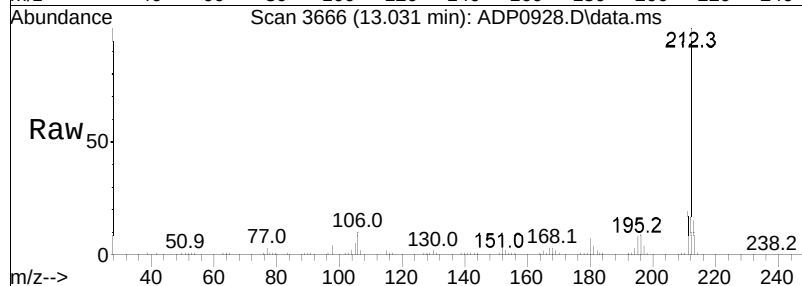
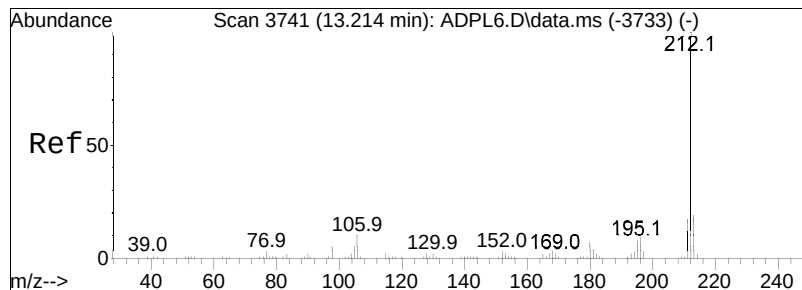




#102
 Parathion
 Concen: 5.72 ug/ml
 RT: 11.751 min Scan# 3254
 Delta R.T. -0.003 min
 Lab File: ADP0928.D
 Acq: 28 Sep 2025 7:50 pm

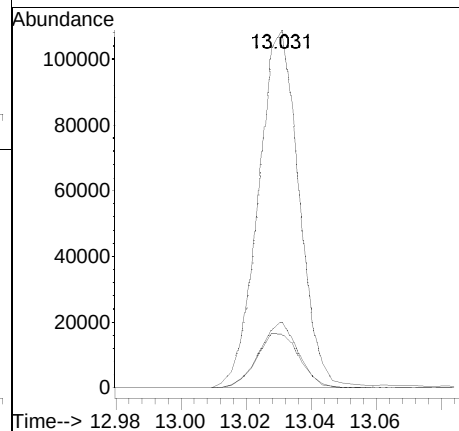
Tgt Ion:	109	Resp:	22520
Ion Ratio	Lower	Upper	
109	100		
97	115.0	87.4	131.2
291	36.9	34.2	51.2





#103
 3,3'-Dimethylbenzidine
 Concen: 3.59 ug/ml
 RT: 13.031 min Scan# 3666
 Delta R.T. -0.003 min
 Lab File: ADP0928.D
 Acq: 28 Sep 2025 7:50 pm

Tgt Ion	Ratio	Lower	Upper
212	100		
211	17.8	12.9	19.3
213	16.1	13.2	19.8



Manual Integration Report

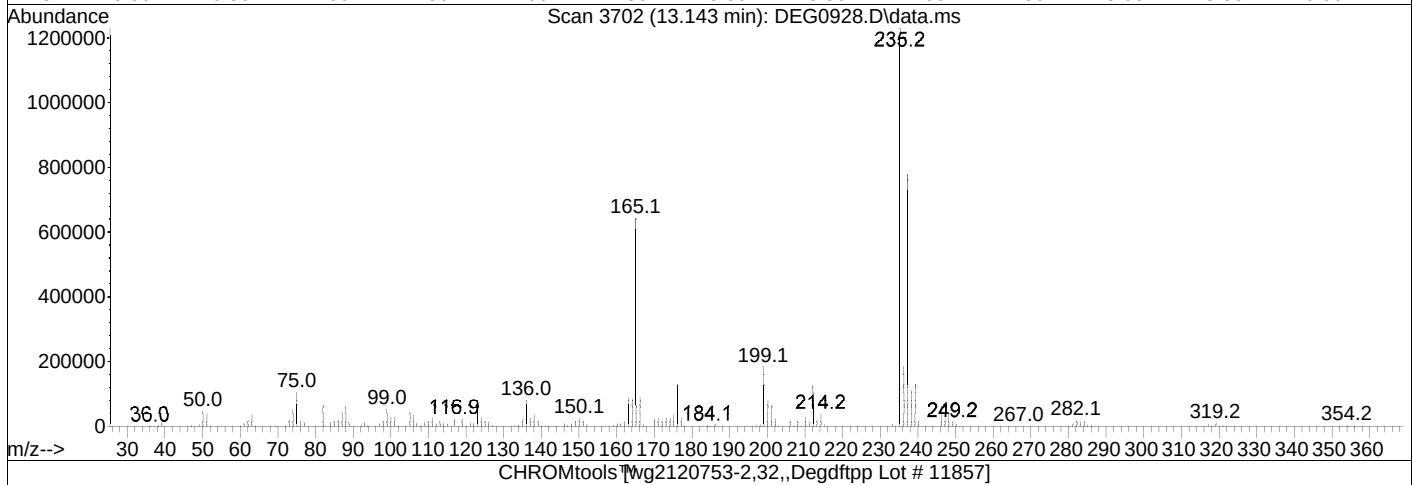
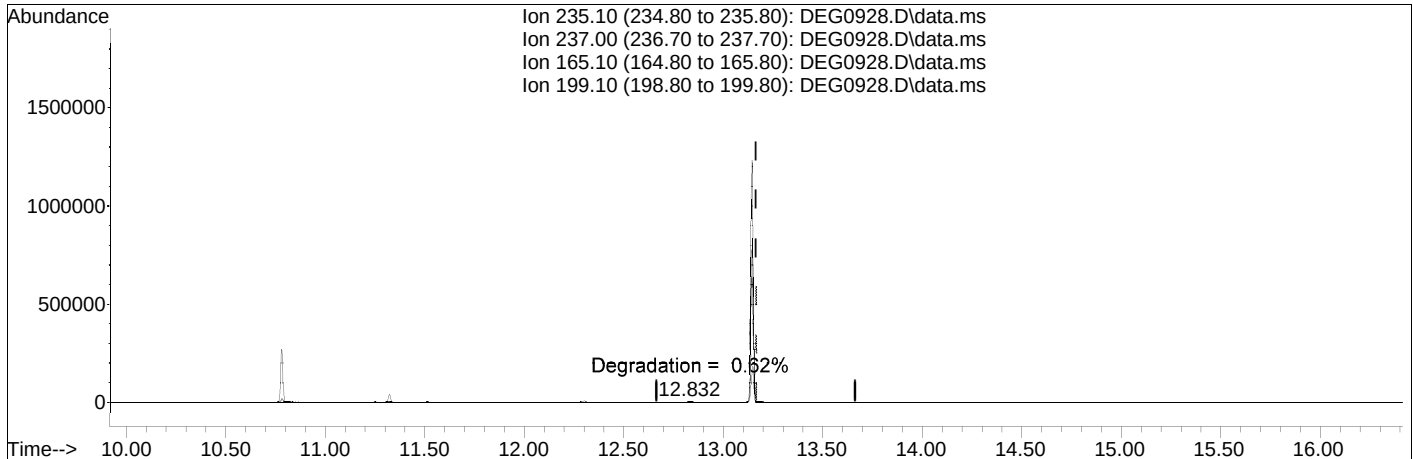
Data Path : I:\8270\SV107\250928RVT\ QMethod : FS250826SV107RVT.m
Data File : ADP0928.D Operator : SV107:smz
Date Inj'd : 9/28/2025 7:50 pm Instrument : SV107
Sample : wg2120753-5,32,,ADP 11661 Quant Date : 9/28/2025 8:09 pm

There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250928RVT\
Data File : DEG0928.D
Acq On : 28 Sep 2025 6:35 pm
Operator : SV107:smz
Sample : wg2120753-2,32,,Degdftpp Lot # 11857
Misc : wg2120753,,ical22592
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 28 18:59:04 2025
Quant Method : I:\8270\SV107\250928RVT\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 13:38:17 2025
Response via : Initial Calibration



CHROMtools [wg2120753-2,32,,Degdftpp Lot # 11857]

(6) DDT (T)

13.143min (-0.022) 178.23

response 1086468

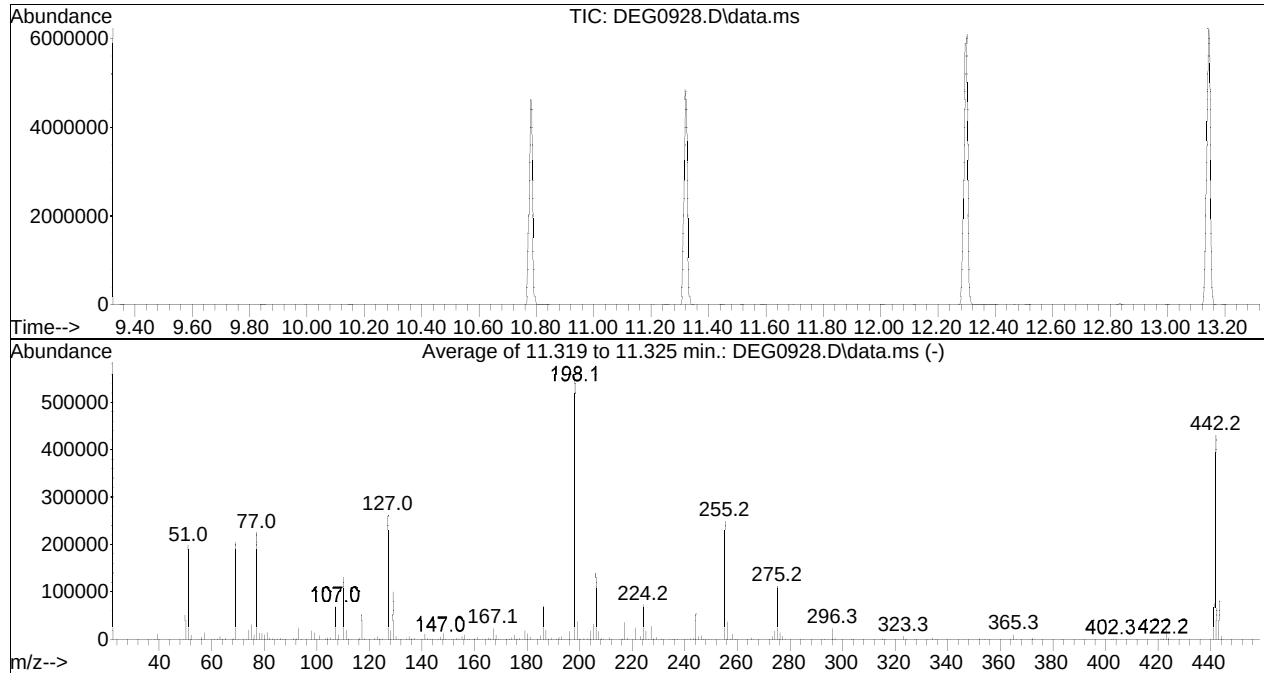
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	63.61
165.10	55.40	51.80
199.10	16.20	14.97

DFTPP

Data Path : I:\8270\SV107\250928RVT\
 Data File : DEG0928.D
 Acq On : 28 Sep 2025 6:35 pm
 Operator : SV107:smz
 Sample : wg2120753-1,32,,Degdftpp Lot # 11857
 Misc : wg2120753,,ical22592
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV107\250928RVT\FS250826SV107RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Tue Sep 30 08:38:25 2025



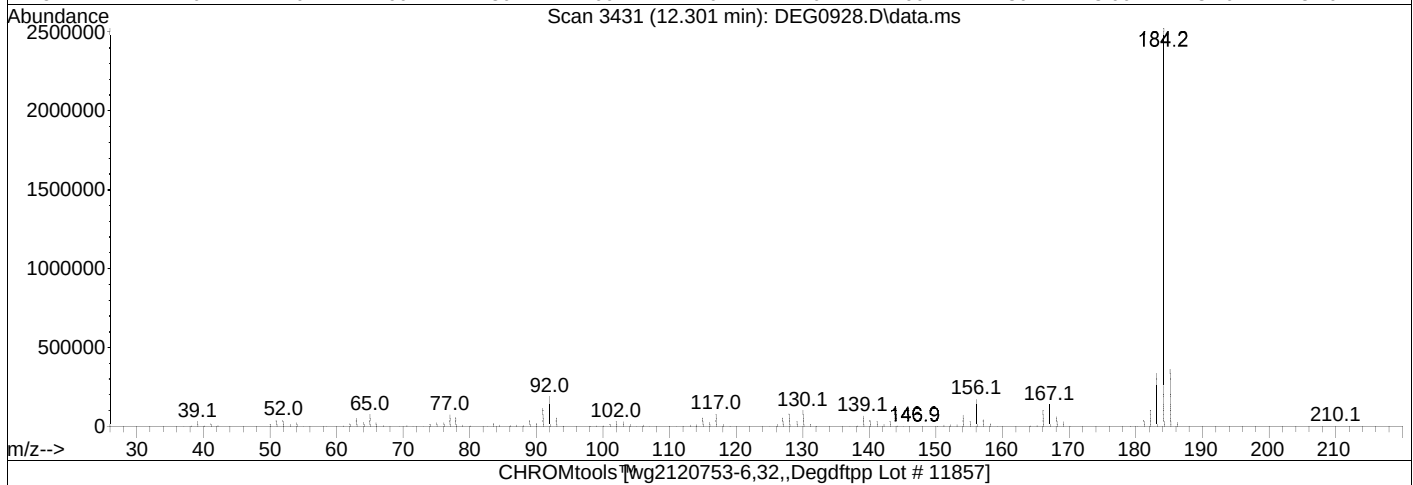
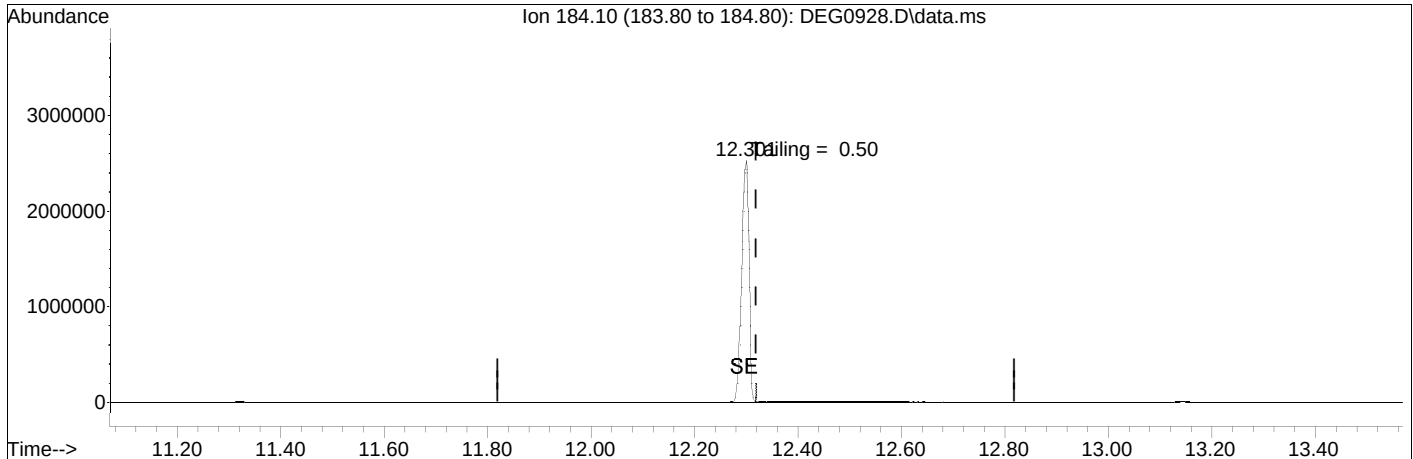
Spectrum Information: Average of 11.319 to 11.325 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.5	197227	PASS
68	69	0.00	2	1.7	3500	PASS
69	69	100	100	100.0	202560	PASS
70	69	0.00	2	0.5	1045	PASS
127	198	10	80	47.0	261675	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	556181	PASS
199	198	5	9	6.7	37267	PASS
275	198	10	60	20.1	111955	PASS
365	198	1	100	1.9	10641	PASS
441	442	0.01	24	17.5	75216	PASS
442	198	50	100	77.5	430763	PASS
443	442	15	24	19.2	82749	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250928RVT\
Data File : DEG0928.D
Acq On : 28 Sep 2025 6:35 pm
Operator : SV107:smz
Sample : wg2120753-6,32,,Degdftpp Lot # 11857
Misc : wg2120753,,ical22592
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 28 18:59:04 2025
Quant Method : I:\8270\SV107\250928RVT\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 13:38:17 2025
Response via : Initial Calibration

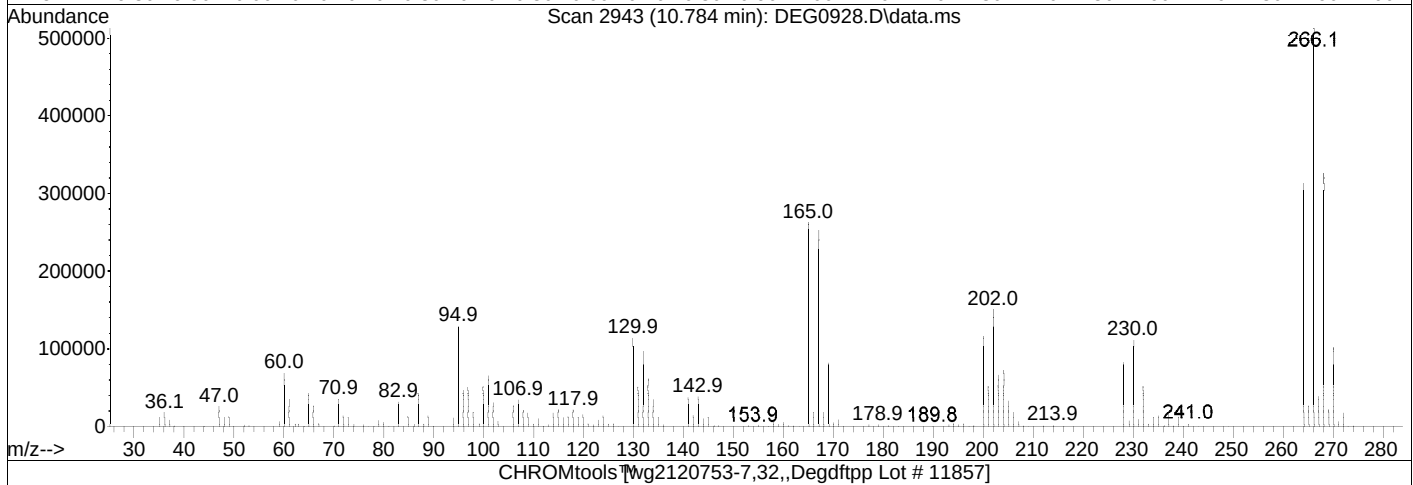
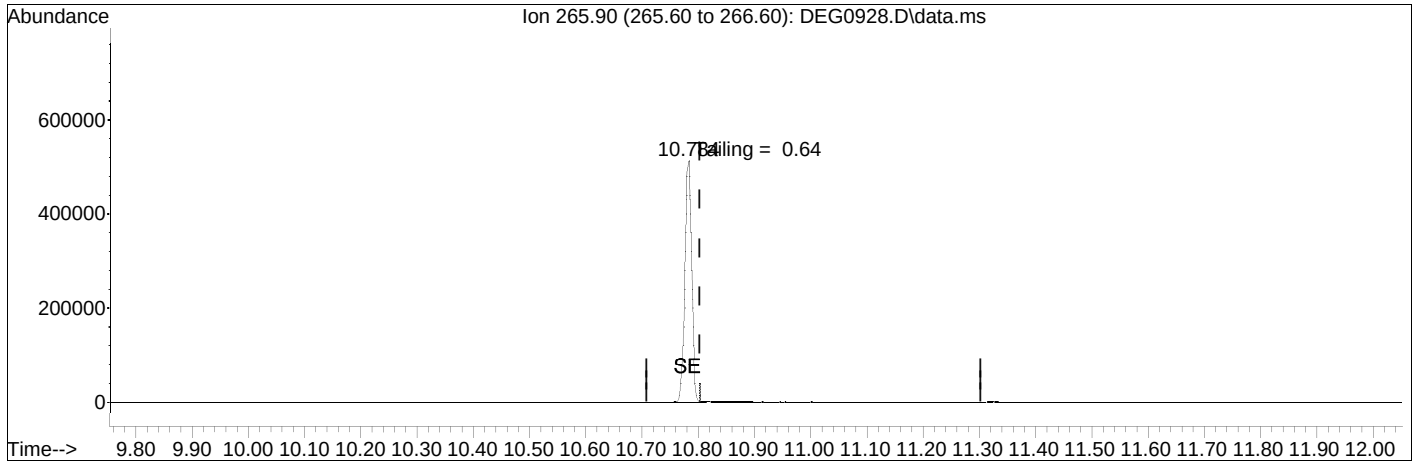


(3) Benzidine (T)
12.301min (-0.018) 223.59
response 2276171
Ion Exp% Act%
184.10 100.00 100.00
0.00 0.00 0.00
0.00 0.00 0.00
0.00 0.00 0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250928RVT\
Data File : DEG0928.D
Acq On : 28 Sep 2025 6:35 pm
Operator : SV107:smz
Sample : wg2120753-7,32,,Degdftpp Lot # 11857
Misc : wg2120753,,ical22592
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 28 18:59:04 2025
Quant Method : I:\8270\SV107\250928RVT\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 13:38:17 2025
Response via : Initial Calibration



(1) Pentachlorophenol (T)

10.784min (-0.019) 193.63

response 406698

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	124	0
n-Nitrosodimethylamine	0.659	0.699	-	-6.1	20	119	0
Pyridine	1.237	0.692	-	44.1*	20	68	0
2-Fluorophenol	1.032	1.016	-	1.6	20	115	0
Aniline	1.692	1.67	-	1.3	20	114	0
2-Chlorophenol	1.228	1.22	-	0.7	20	118	0
Phenol-d6	1.268	1.281	-	-1	20	117	0
Phenol	1.412	1.396	-	1.1	20	118	0
Bis(2-chloroethyl)ether	1.193	1.123	-	5.9	20	118	0
1,3-Dichlorobenzene	1.558	1.416	-	9.1	20	113	0
1,4-Dichlorobenzene	1.592	1.457	-	8.5	20	114	0
1,2-Dichlorobenzene	1.528	1.43	-	6.4	20	117	0
Benzyl alcohol	0.928	0.94	-	-1.3	20	120	0
Bis(2-chloroisopropyl)ethe	1.867	1.858	-	0.5	20	123	0
2-Methylphenol	1.04	1.058	-	-1.7	20	121	0
Hexachloroethane	0.584	0.539	-	7.7	20	114	0
n-Nitrosodi-n-propylamine	0.823	0.804	-	2.3	20	116	0
3-Methylphenol/4-Methylphe	1.102	1.152	-	-4.5	20	122	0
Nitrobenzene-d5	1.172	1.178	-	-0.5	20	121	0
Nitrobenzene	1.19	1.205	-	-1.3	20	124	0
Isophorone	2.158	2.127	-	1.4	20	118	0
2-Nitrophenol	0.494	0.619	-	-25.3*	20	146	0
2,4-Dimethylphenol	1.154	1.216	-	-5.4	20	124	0
Bis(2-chloroethoxy)methane	1.45	1.451	-	-0.1	20	123	0
2,4-Dichlorophenol	1.111	1.175	-	-5.8	20	122	0
1,2,4-Trichlorobenzene	1.448	1.329	-	8.2	20	117	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	1.054	0.954	-	9.5	20	119	0
Benzoic Acid	5	4.118	-	17.6	20	105	0
4-Chloroaniline	0.12	0.113	-	5.8	20	119	0
Hexachlorobutadiene	0.231	0.197	-	14.7	20	115	0
p-Chloro-m-cresol	0.256	0.27	-	-5.5	20	129	0
2-Methylnaphthalene	0.632	0.597	-	5.5	20	121	0
1-Methylnaphthalene	0.24	0.223	-	7.1	20	120	0
Hexachlorocyclopentadiene	0.244	0.236	-	3.3	20	125	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	125	0
2,4,5-Trichlorophenol	0.23	0.254	-	-10.4	20	134	0
2-Fluorobiphenyl	0.872	0.8	-	8.3	20	121	0
2-Chloronaphthalene	0.734	0.687	-	6.4	20	123	0
2-Nitroaniline	0.159	0.189	-	-18.9	20	146	0
1,4-Dinitrobenzene	0.077	0.101	-	-31.2*	20	165	0
1,3-Dinitrobenzene	0.093	0.112	-	-20.4*	20	150	0
Dimethyl phthalate	0.769	0.795	-	-3.4	20	130	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0916
 Sample No : WG2115301-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:02
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.089	-	1	20	126	0
2,6-Dinitrotoluene	0.131	0.168	-	-28.2*	20	146	0
1,2-Dinitrobenzene	0.06	0.078	-	-30*	20	158	0
IS1_Acenaphthene-d10	1	1	-	0	20	136	0
3-Nitroaniline	0.246	0.303	-	-23.2*	20	151	0
Acenaphthene	1.144	1.06	-	7.3	20	131	0
2,4-Dinitrophenol	5	5.306	-	-6.1	20	164	0
Dibenzofuran	1.834	1.712	-	6.7	20	129	0
2,4-Dinitrotoluene	5	5.411	-	-8.2	20	154	0
4-Nitrophenol	0.185	0.225	-	-21.6*	20	153	0
2,3,5,6-Tetrachlorophenol	0.304	0.338	-	-11.2	20	140	0
2,3,4,6-Tetrachlorophenol	0.3	0.338	-	-12.7	20	142	0
Diethyl phthalate	1.28	1.274	-	0.5	20	133	0
Fluorene	1.409	1.368	-	2.9	20	131	0
4-Chlorophenyl phenyl ethe	0.719	0.665	-	7.5	20	130	0
4-Nitroaniline	0.246	0.294	-	-19.5	20	159	0
4,6-Dinitro-o-cresol	5	6.143	-	-22.9*	20	187	0
NDPA/DPA	1.112	1.112	-	0	20	131	0
Azobenzene	1.133	1.146	-	-1.1	20	134	0
2,4,6-Tribromophenol	0.152	0.171	-	-12.5	20	141	0
4-Bromophenyl phenyl ether	0.383	0.354	-	7.6	20	127	0
Hexachlorobenzene	0.399	0.381	-	4.5	20	134	0
Pentachlorophenol	0.216	0.237	-	-9.7	20	146	0
IS1_Phenanthrene-d10	1	1	-	0	20	149	0
Phenanthrene	1.146	1.048	-	8.6	20	139	0
Anthracene	1.122	1.041	-	7.2	20	138	0
Carbazole	0.975	0.984	-	-0.9	20	143	0
Di-n-butylphthalate	1.07	1.044	-	2.4	20	136	0
Fluoranthene	1.217	1.202	-	1.2	20	142	0
Benzidine	5	4.829	-	3.4	20	147	0
Pyrene	1.292	1.283	-	0.7	20	142	0
4-Terphenyl-d14	0.865	0.85	-	1.7	20	143	0
Butyl benzyl phthalate	5	4.759	-	4.8	20	161	0
IS1_Chrysene-d12	1	1	-	0	20	167	0
Benzo(a)anthracene	1.367	1.29	-	5.6	20	159	0
3,3'-Dichlorobenzidine	0.436	0.436	-	0	20	165	0
Chrysene	1.352	1.234	-	8.7	20	158	0
Bis(2-ethylhexyl)phthalate	5	4.147	-	17.1	20	150	0
Di-n-octylphthalate	5	4.228	-	15.4	20	159	0
Benzo(b)fluoranthene	1.185	1.148	-	3.1	20	166	0
Benzo(k)fluoranthene	1.199	1.178	-	1.8	20	163	0
Benzo(a)pyrene	1.101	1.057	-	4	20	162	0
IS1_Perylene-d12	1	1	-	0	20	181	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0916
Sample No : WG2115301-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/16/25 07:02
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.14	-	-2.6	20	175	0
Dibenzo(a,h)anthracene	1.154	1.167	-	-1.1	20	172	0
Benzo(ghi)perylene	1.15	1.159	-	-0.8	20	169	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0916
 Sample No : WG2115301-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 07:52
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
1,4-Dioxane	0.545	0.496	-	9	20	91	0
n-Decane	1.567	1.423	-	9.2	20	87	0
IS3_Acenaphthene-d10	1	1	-	0	20	95	0
Atrazine	0.33	0.365	-	-10.6	20	103	0
IS3_Phenanthrene-d10	1	1	-	0	20	105	0
n-Octadecane	0.441	0.392	-	11.1	20	90	0
Parathion	5	5.065	-	-1.3	20	121	0
3,3'-Dimethylbenzidine	5	4.241	-	15.2	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90916A
 Sample No : WG2115301-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/16/25 08:17
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
Benzaldehyde	0.605	0.676	-	-11.7	20	115	0
Acetophenone	1.796	1.783	-	0.7	20	102	0
m-Toluidine	1.129	1.24	-	-9.8	20	114	0
2-Chloroaniline	1.545	1.593	-	-3.1	20	105	0
IS2_Naphthalene-d8	1	1	-	0	20	106	0
a-Terpineol	0.25	0.259	-	-3.6	20	106	0
3-Chloroaniline	0.117	0.124	-	-6	20	102	0
2,6-Dichlorophenol	0.264	0.308	-	-16.7	20	114	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	115	0
Caprolactam	0.125	0.131	-	-4.8	20	115	0
1,2,4,5-Tetrachlorobenzene	0.415	0.407	-	1.9	20	107	0
Biphenyl	0.948	0.945	-	0.3	20	108	0
IS2_Acenaphthene-d10	1	1	-	0	20	110	0
Dichloran	0.145	0.149	-	-2.8	20	131	0
Pentachloronitrobenzene	0.133	0.159	-	-19.5	20	128	0
IS2_Phenanthrene-d10	1	1	-	0	20	121	0
Diphenamid	0.435	0.444	-	-2.1	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
n-Nitrosodimethylamine	0.66	0.638	-	3.3	20	117	0
Pyridine	1.131	0.712	-	37*	20	74	0
2-Fluorophenol	1.106	1.161	-	-5	20	124	0
Aniline	1.738	1.626	-	6.4	20	109	0
2-Chlorophenol	1.332	1.351	-	-1.4	20	120	0
Phenol-d6	1.318	1.355	-	-2.8	20	123	0
Phenol	1.441	1.371	-	4.9	20	115	0
Bis(2-chloroethyl)ether	1.143	1.093	-	4.4	20	117	0
1,3-Dichlorobenzene	1.598	1.561	-	2.3	20	119	0
1,4-Dichlorobenzene	1.634	1.607	-	1.7	20	121	0
1,2-Dichlorobenzene	1.572	1.532	-	2.5	20	121	0
Benzyl alcohol	0.964	0.925	-	4	20	116	0
Bis(2-chloroisopropyl)ethe	1.867	1.756	-	5.9	20	115	0
2-Methylphenol	1.104	1.097	-	0.6	20	119	0
Hexachloroethane	0.602	0.61	-	-1.3	20	121	0
n-Nitrosodi-n-propylamine	0.815	0.804	-	1.3	20	117	0
3-Methylphenol/4-Methylphe	1.207	1.177	-	2.5	20	118	0
Nitrobenzene-d5	1.226	1.242	-	-1.3	20	121	0
Nitrobenzene	1.26	1.251	-	0.7	20	118	0
Isophorone	2.296	2.198	-	4.3	20	114	0
2-Nitrophenol	0.64	0.694	-	-8.4	20	128	0
2,4-Dimethylphenol	1.271	1.264	-	0.6	20	116	0
Bis(2-chloroethoxy)methane	1.546	1.501	-	2.9	20	118	0
2,4-Dichlorophenol	1.17	1.185	-	-1.3	20	118	0
1,2,4-Trichlorobenzene	1.374	1.358	-	1.2	20	121	0
IS1_Naphthalene-d8	1	1	-	0	20	122	0
Naphthalene	1.082	1.044	-	3.5	20	118	0
Benzoic Acid	5	3.799	-	24*	20	103	0
4-Chloroaniline	0.117	0.109	-	6.8	20	109	0
Hexachlorobutadiene	0.2	0.201	-	-0.5	20	122	0
p-Chloro-m-cresol	0.284	0.276	-	2.8	20	116	0
2-Methylnaphthalene	0.641	0.634	-	1.1	20	122	0
1-Methylnaphthalene	0.227	0.223	-	1.8	20	122	0
Hexachlorocyclopentadiene	0.254	0.256	-	-0.8	20	121	0
2,4,6-Trichlorophenol	0.213	0.22	-	-3.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.251	-	-5	20	121	0
2-Fluorobiphenyl	0.821	0.804	-	2.1	20	121	0
2-Chloronaphthalene	0.727	0.702	-	3.4	20	119	0
2-Nitroaniline	0.206	0.221	-	-7.3	20	120	0
1,4-Dinitrobenzene	0.097	0.098	-	-1	20	118	0
1,3-Dinitrobenzene	0.112	0.114	-	-1.8	20	116	0
Dimethyl phthalate	0.857	0.822	-	4.1	20	115	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0917
 Sample No : WG2116036-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 09:51
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.157	-	1.1	20	116	0
2,6-Dinitrotoluene	0.167	0.177	-	-6	20	123	0
1,2-Dinitrobenzene	0.073	0.074	-	-1.4	20	114	0
IS1_Acenaphthene-d10	1	1	-	0	20	125	0
3-Nitroaniline	0.342	0.345	-	-0.9	20	118	0
Acenaphthene	1.136	1.055	-	7.1	20	118	0
2,4-Dinitrophenol	0.166	0.119	-	28.3*	20	95	0
Dibenzofuran	1.844	1.721	-	6.7	20	119	0
2,4-Dinitrotoluene	0.385	0.399	-	-3.6	20	117	0
4-Nitrophenol	0.238	0.248	-	-4.2	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.342	-	-0.6	20	117	0
2,3,4,6-Tetrachlorophenol	0.33	0.342	-	-3.6	20	117	0
Diethyl phthalate	1.516	1.384	-	8.7	20	113	0
Fluorene	1.447	1.31	-	9.5	20	115	0
4-Chlorophenyl phenyl ethe	0.688	0.639	-	7.1	20	117	0
4-Nitroaniline	0.337	0.338	-	-0.3	20	116	0
4,6-Dinitro-o-cresol	0.214	0.199	-	7	20	114	0
NDPA/DPA	1.209	1.153	-	4.6	20	117	0
Azobenzene	1.272	1.187	-	6.7	20	113	0
2,4,6-Tribromophenol	0.194	0.204	-	-5.2	20	128	0
4-Bromophenyl phenyl ether	0.424	0.399	-	5.9	20	121	0
Hexachlorobenzene	0.475	0.451	-	5.1	20	123	0
Pentachlorophenol	0.28	0.239	-	14.6	20	109	0
IS1_Phenanthrene-d10	1	1	-	0	20	126	0
Phenanthrene	1.202	1.076	-	10.5	20	116	0
Anthracene	1.178	1.095	-	7	20	117	0
Carbazole	1.081	1.02	-	5.6	20	115	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	119	0
Fluoranthene	1.296	1.224	-	5.6	20	118	0
Benzidine	0.831	0.838	-	-0.8	20	126	0
Pyrene	1.383	1.319	-	4.6	20	119	0
4-Terphenyl-d14	0.982	0.936	-	4.7	20	123	0
Butyl benzyl phthalate	0.529	0.571	-	-7.9	20	128	0
IS1_Chrysene-d12	1	1	-	0	20	129	0
Benzo(a)anthracene	1.349	1.235	-	8.5	20	121	0
3,3'-Dichlorobenzidine	0.464	0.498	-	-7.3	20	130	0
Chrysene	1.336	1.194	-	10.6	20	120	0
Bis(2-ethylhexyl)phthalate	0.846	0.886	-	-4.7	20	126	0
Di-n-octylphthalate	1.419	1.462	-	-3	20	130	0
Benzo(b)fluoranthene	1.278	1.219	-	4.6	20	126	0
Benzo(k)fluoranthene	1.303	1.236	-	5.1	20	119	0
Benzo(a)pyrene	1.197	1.178	-	1.6	20	124	0
IS1_Perylene-d12	1	1	-	0	20	131	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV106	Calibration Date : 09/17/25 09:51
Lab File ID : ABN0917	Init. Calib. Date(s) : 08/27/25 08/28/25
Sample No : WG2116036-3	Init. Calib. Times : 20:12 06:19
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.067	-	6.5	20	121	0
Dibenzo(a,h)anthracene	1.181	1.118	-	5.3	20	122	0
Benzo(ghi)perylene	1.164	1.085	-	6.8	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90917
 Sample No : WG2116036-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:13
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
Benzaldehyde	0.645	0.553	-	14.3	20	107	0
Acetophenone	1.905	1.537	-	19.3	20	101	0
m-Toluidine	1.123	1.012	-	9.9	20	103	0
2-Chloroaniline	1.724	1.451	-	15.8	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	122	0
a-Terpineol	0.267	0.217	-	18.7	20	99	0
3-Chloroaniline	0.114	0.097	-	14.9	20	96	0
2,6-Dichlorophenol	0.285	0.255	-	10.5	20	107	0
1-chloro-2-nitrobenzene	0.135	0.119	-	11.9	20	107	0
Caprolactam	0.142	0.119	-	16.2	20	98	0
1,2,4,5-Tetrachlorobenzene	0.373	0.3	-	19.6	20	100	0
Biphenyl	0.931	0.735	-	21.1*	20	99	0
IS2_Acenaphthene-d10	1	1	-	0	20	122	0
Dichloran	0.158	0.129	-	18.4	20	98	0
Pentachloronitrobenzene	0.154	0.133	-	13.6	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	119	0
Diphenamid	0.487	0.403	-	17.2	20	94	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ADP0917
 Sample No : WG2116036-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:34
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	123	0
1,4-Dioxane	0.477	0.433	-	9.2	20	118	0
n-Decane	1.449	1.281	-	11.6	20	111	0
IS3_Acenaphthene-d10	1	1	-	0	20	125	0
Atrazine	0.372	0.371	-	0.3	20	123	0
IS3_Phenanthrene-d10	1	1	-	0	20	125	0
n-Octadecane	0.48	0.416	-	13.3	20	106	0
Parathion	5	4.144	-	17.1	20	119	0
3,3'-Dimethylbenzidine	5	4.075	-	18.5	20	101	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	135	0
n-Nitrosodimethylamine	0.594	0.581	-	2.2	20	133	0
Pyridine	5	4.372	-	12.6	20	139	0
2-Fluorophenol	0.881	0.967	-	-9.8	20	145	0
Aniline	1.484	1.494	-	-0.7	20	132	0
2-Chlorophenol	1.075	1.163	-	-8.2	20	146	0
Phenol-d6	1.175	1.279	-	-8.9	20	152	0
Phenol	1.351	1.313	-	2.8	20	131	0
Bis(2-chloroethyl)ether	0.968	0.948	-	2.1	20	137	0
1,3-Dichlorobenzene	1.515	1.415	-	6.6	20	131	0
1,4-Dichlorobenzene	1.532	1.444	-	5.7	20	130	0
1,2-Dichlorobenzene	1.467	1.458	-	0.6	20	136	0
Benzyl alcohol	0.829	0.931	-	-12.3	20	152	0
Bis(2-chloroisopropyl)ethe	1.724	1.349	-	21.8*	20	110	0
2-Methylphenol	0.915	0.985	-	-7.7	20	142	0
Hexachloroethane	0.539	0.504	-	6.5	20	131	0
n-Nitrosodi-n-propylamine	0.797	0.804	-	-0.9	20	139	0
3-Methylphenol/4-Methylphe	1.028	1.089	-	-5.9	20	147	0
Nitrobenzene-d5	1.117	1.136	-	-1.7	20	137	0
Nitrobenzene	1.128	1.171	-	-3.8	20	136	0
Isophorone	2.059	2.106	-	-2.3	20	135	0
2-Nitrophenol	0.53	0.609	-	-14.9	20	162	0
2,4-Dimethylphenol	1.061	1.17	-	-10.3	20	144	0
Bis(2-chloroethoxy)methane	1.369	1.283	-	6.3	20	128	0
2,4-Dichlorophenol	1.189	1.289	-	-8.4	20	150	0
1,2,4-Trichlorobenzene	1.494	1.478	-	1.1	20	134	0
IS1_Naphthalene-d8	1	1	-	0	20	139	0
Naphthalene	0.993	0.985	-	0.8	20	142	0
Benzoic Acid	5	8.053	-	-61.1*	20	283	0
4-Chloroaniline	0.127	0.109	-	14.2	20	129	0
Hexachlorobutadiene	0.27	0.221	-	18.1	20	118	0
p-Chloro-m-cresol	0.263	0.288	-	-9.5	20	154	0
2-Methylnaphthalene	0.656	0.673	-	-2.6	20	145	0
1-Methylnaphthalene	0.245	0.238	-	2.9	20	144	0
Hexachlorocyclopentadiene	0.306	0.291	-	4.9	20	129	0
2,4,6-Trichlorophenol	0.28	0.279	-	0.4	20	139	0
2,4,5-Trichlorophenol	0.31	0.341	-	-10	20	149	0
2-Fluorobiphenyl	0.987	0.947	-	4.1	20	136	0
2-Chloronaphthalene	0.81	0.81	-	0	20	141	0
2-Nitroaniline	0.204	0.233	-	-14.2	20	162	0
1,4-Dinitrobenzene	0.103	0.114	-	-10.7	20	156	0
1,3-Dinitrobenzene	0.117	0.128	-	-9.4	20	148	0
Dimethyl phthalate	1.014	0.999	-	1.5	20	136	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0917
 Sample No : WG2116041-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 10:42
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.314	-	-3.8	20	141	0
2,6-Dinitrotoluene	0.199	0.203	-	-2	20	144	0
1,2-Dinitrobenzene	0.074	0.076	-	-2.7	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	138	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	153	0
Acenaphthene	1.035	0.972	-	6.1	20	139	0
2,4-Dinitrophenol	0.158	0.137	-	13.3	20	128	0
Dibenzofuran	1.815	1.719	-	5.3	20	140	0
2,4-Dinitrotoluene	0.369	0.392	-	-6.2	20	145	0
4-Nitrophenol	0.204	0.219	-	-7.4	20	149	0
2,3,5,6-Tetrachlorophenol	0.37	0.42	-	-13.5	20	157	0
2,3,4,6-Tetrachlorophenol	0.387	0.397	-	-2.6	20	146	0
Diethyl phthalate	1.394	1.388	-	0.4	20	140	0
Fluorene	1.408	1.383	-	1.8	20	144	0
4-Chlorophenyl phenyl ethe	0.76	0.694	-	8.7	20	131	0
4-Nitroaniline	0.27	0.308	-	-14.1	20	159	0
4,6-Dinitro-o-cresol	0.236	0.231	-	2.1	20	141	0
NDPA/DPA	1.224	1.243	-	-1.6	20	146	0
Azobenzene	1.155	1.104	-	4.4	20	133	0
2,4,6-Tribromophenol	0.229	0.286	-	-24.9*	20	185	0
4-Bromophenyl phenyl ether	0.488	0.436	-	10.7	20	136	0
Hexachlorobenzene	0.564	0.548	-	2.8	20	143	0
Pentachlorophenol	0.306	0.338	-	-10.5	20	159	0
IS1_Phenanthrene-d10	1	1	-	0	20	140	0
Phenanthrene	1.097	1.023	-	6.7	20	140	0
Anthracene	1.058	1.024	-	3.2	20	140	0
Carbazole	0.981	0.972	-	0.9	20	143	0
Di-n-butylphthalate	1.04	1.069	-	-2.8	20	141	0
Fluoranthene	1.319	1.27	-	3.7	20	138	0
Benzidine	0.744	0.863	-	-16	20	164	0
Pyrene	1.411	1.339	-	5.1	20	135	0
4-Terphenyl-d14	1.035	0.972	-	6.1	20	133	0
Butyl benzyl phthalate	0.461	0.484	-	-5	20	152	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.167	-	4	20	129	0
3,3'-Dichlorobenzidine	0.438	0.518	-	-18.3	20	149	0
Chrysene	1.234	1.188	-	3.7	20	134	0
Bis(2-ethylhexyl)phthalate	0.579	0.7	-	-20.9*	20	141	0
Di-n-octylphthalate	1.024	1.181	-	-15.3	20	145	0
Benzo(b)fluoranthene	1.227	1.307	-	-6.5	20	142	0
Benzo(k)fluoranthene	1.227	1.307	-	-6.5	20	138	0
Benzo(a)pyrene	1.119	1.28	-	-14.4	20	147	0
IS1_Perylene-d12	1	1	-	0	20	139	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : DAKOTA
Lab File ID : ABN0917
Sample No : WG2116041-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/17/25 10:42
Init. Calib. Date(s) : 08/20/25 08/20/25
Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.144	-	-2	20	144	0
Dibenzo(a,h)anthracene	1.132	1.16	-	-2.5	20	145	0
Benzo(ghi)perylene	1.145	1.14	-	0.4	20	143	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90917
 Sample No : WG2116041-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/17/25 11:05
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	133	0
Benzaldehyde	0.534	0.502	-	6	20	136	0
Acetophenone	1.663	1.348	-	18.9	20	118	0
m-Toluidine	0.957	0.942	-	1.6	20	131	0
2-Chloroaniline	1.447	1.328	-	8.2	20	126	0
IS2_Naphthalene-d8	1	1	-	0	20	141	0
a-Terpineol	0.245	0.191	-	22*	20	116	0
3-Chloroaniline	0.122	0.099	-	18.9	20	121	0
2,6-Dichlorophenol	0.33	0.301	-	8.8	20	134	0
1-chloro-2-nitrobenzene	0.135	0.114	-	15.6	20	125	0
Caprolactam	0.128	0.101	-	21.1*	20	118	0
1,2,4,5-Tetrachlorobenzene	0.495	0.377	-	23.8*	20	115	0
Biphenyl	1.02	0.84	-	17.6	20	124	0
IS2_Acenaphthene-d10	1	1	-	0	20	142	0
Dichloran	0.199	0.145	-	27.1*	20	118	0
Pentachloronitrobenzene	0.197	0.151	-	23.4*	20	117	0
IS2_Phenanthrene-d10	1	1	-	0	20	144	0
Diphenamid	0.486	0.4	-	17.7	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Calibration Date : 09/17/25 11:27
Lab File ID : ADP0917	Init. Calib. Date(s) : 08/20/25 08/20/25
Sample No : WG2116041-5	Init. Calib. Times : 12:47 23:44
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	134	0
1,4-Dioxane	0.411	0.375	-	8.8	20	125	0
n-Decane	1.27	0.912	-	28.2*	20	102	0
IS3_Acenaphthene-d10	1	1	-	0	20	146	0
Atrazine	0.486	0.418	-	14	20	132	0
IS3_Phenanthrene-d10	1	1	-	0	20	148	0
n-Octadecane	0.368	0.268	-	27.2*	20	114	0
Parathion	5	4.91	-	1.8	20	144	0
3,3'-Dimethylbenzidine	5	3.277	-	34.5*	20	99	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
n-Nitrosodimethylamine	0.66	0.8	-	-21.2*	20	133	0
Pyridine	1.131	0.872	-	22.9*	20	82	0
2-Fluorophenol	1.106	1.244	-	-12.5	20	120	0
Aniline	1.738	1.633	-	6	20	99	0
2-Chlorophenol	1.332	1.386	-	-4.1	20	111	0
Phenol-d6	1.318	1.377	-	-4.5	20	113	0
Phenol	1.441	1.406	-	2.4	20	107	0
Bis(2-chloroethyl)ether	1.143	1.104	-	3.4	20	106	0
1,3-Dichlorobenzene	1.598	1.574	-	1.5	20	108	0
1,4-Dichlorobenzene	1.634	1.577	-	3.5	20	107	0
1,2-Dichlorobenzene	1.572	1.527	-	2.9	20	108	0
Benzyl alcohol	0.964	0.913	-	5.3	20	103	0
Bis(2-chloroisopropyl)ethe	1.867	1.527	-	18.2	20	90	0
2-Methylphenol	1.104	1.083	-	1.9	20	106	0
Hexachloroethane	0.602	0.581	-	3.5	20	104	0
n-Nitrosodi-n-propylamine	0.815	0.734	-	9.9	20	96	0
3-Methylphenol/4-Methylphe	1.207	1.129	-	6.5	20	102	0
Nitrobenzene-d5	1.226	1.172	-	4.4	20	103	0
Nitrobenzene	1.26	1.161	-	7.9	20	99	0
Isophorone	2.296	2.205	-	4	20	104	0
2-Nitrophenol	0.64	0.742	-	-15.9	20	124	0
2,4-Dimethylphenol	1.271	1.332	-	-4.8	20	110	0
Bis(2-chloroethoxy)methane	1.546	1.517	-	1.9	20	108	0
2,4-Dichlorophenol	1.17	1.274	-	-8.9	20	115	0
1,2,4-Trichlorobenzene	1.374	1.414	-	-2.9	20	114	0
IS1_Naphthalene-d8	1	1	-	0	20	114	0
Naphthalene	1.082	1.021	-	5.6	20	108	0
Benzoic Acid	5	3.814	-	23.7*	20	97	0
4-Chloroaniline	0.117	0.105	-	10.3	20	97	0
Hexachlorobutadiene	0.2	0.205	-	-2.5	20	116	0
p-Chloro-m-cresol	0.284	0.292	-	-2.8	20	115	0
2-Methylnaphthalene	0.641	0.661	-	-3.1	20	119	0
1-Methylnaphthalene	0.227	0.228	-	-0.4	20	116	0
Hexachlorocyclopentadiene	0.254	0.278	-	-9.4	20	123	0
2,4,6-Trichlorophenol	0.213	0.237	-	-11.3	20	118	0
2,4,5-Trichlorophenol	0.239	0.273	-	-14.2	20	123	0
2-Fluorobiphenyl	0.821	0.835	-	-1.7	20	117	0
2-Chloronaphthalene	0.727	0.738	-	-1.5	20	116	0
2-Nitroaniline	0.206	0.234	-	-13.6	20	119	0
1,4-Dinitrobenzene	0.097	0.107	-	-10.3	20	120	0
1,3-Dinitrobenzene	0.112	0.125	-	-11.6	20	119	0
Dimethyl phthalate	0.857	0.884	-	-3.2	20	116	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ABN0918
 Sample No : WG2116472-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 07:46
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.213	-	-3.7	20	114	0
2,6-Dinitrotoluene	0.167	0.185	-	-10.8	20	120	0
1,2-Dinitrobenzene	0.073	0.081	-	-11	20	117	0
IS1_Acenaphthene-d10	1	1	-	0	20	121	0
3-Nitroaniline	0.342	0.341	-	0.3	20	114	0
Acenaphthene	1.136	1.069	-	5.9	20	116	0
2,4-Dinitrophenol	0.166	0.15	-	9.6	20	115	0
Dibenzofuran	1.844	1.734	-	6	20	116	0
2,4-Dinitrotoluene	0.385	0.411	-	-6.8	20	117	0
4-Nitrophenol	0.238	0.256	-	-7.6	20	124	0
2,3,5,6-Tetrachlorophenol	0.34	0.362	-	-6.5	20	120	0
2,3,4,6-Tetrachlorophenol	0.33	0.35	-	-6.1	20	116	0
Diethyl phthalate	1.516	1.437	-	5.2	20	114	0
Fluorene	1.447	1.338	-	7.5	20	114	0
4-Chlorophenyl phenyl ethe	0.688	0.66	-	4.1	20	117	0
4-Nitroaniline	0.337	0.34	-	-0.9	20	113	0
4,6-Dinitro-o-cresol	0.214	0.234	-	-9.3	20	130	0
NDPA/DPA	1.209	1.152	-	4.7	20	113	0
Azobenzene	1.272	1.181	-	7.2	20	109	0
2,4,6-Tribromophenol	0.194	0.212	-	-9.3	20	129	0
4-Bromophenyl phenyl ether	0.424	0.4	-	5.7	20	118	0
Hexachlorobenzene	0.475	0.454	-	4.4	20	120	0
Pentachlorophenol	0.28	0.249	-	11.1	20	110	0
IS1_Phenanthrene-d10	1	1	-	0	20	124	0
Phenanthrene	1.202	1.074	-	10.6	20	114	0
Anthracene	1.178	1.096	-	7	20	115	0
Carbazole	1.081	1.014	-	6.2	20	112	0
Di-n-butylphthalate	1.266	1.261	-	0.4	20	117	0
Fluoranthene	1.296	1.221	-	5.8	20	116	0
Benzidine	0.831	0.817	-	1.7	20	121	0
Pyrene	1.383	1.316	-	4.8	20	117	0
4-Terphenyl-d14	0.982	0.938	-	4.5	20	121	0
Butyl benzyl phthalate	0.529	0.561	-	-6	20	123	0
IS1_Chrysene-d12	1	1	-	0	20	125	0
Benzo(a)anthracene	1.349	1.25	-	7.3	20	119	0
3,3'-Dichlorobenzidine	0.464	0.508	-	-9.5	20	129	0
Chrysene	1.336	1.2	-	10.2	20	117	0
Bis(2-ethylhexyl)phthalate	0.846	0.865	-	-2.2	20	120	0
Di-n-octylphthalate	1.419	1.473	-	-3.8	20	127	0
Benzo(b)fluoranthene	1.278	1.279	-	-0.1	20	129	0
Benzo(k)fluoranthene	1.303	1.202	-	7.8	20	113	0
Benzo(a)pyrene	1.197	1.189	-	0.7	20	121	0
IS1_Perylene-d12	1	1	-	0	20	130	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV106
Lab File ID : ABN0918
Sample No : WG2116472-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/18/25 07:46
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.09	-	4.5	20	123	0
Dibenzo(a,h)anthracene	1.181	1.14	-	3.5	20	124	0
Benzo(ghi)perylene	1.164	1.093	-	6.1	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : AP90918
 Sample No : WG2116472-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 08:07
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	119	0
Benzaldehyde	0.645	0.577	-	10.5	20	109	0
Acetophenone	1.905	1.506	-	20.9*	20	96	0
m-Toluidine	1.123	1.023	-	8.9	20	101	0
2-Chloroaniline	1.724	1.445	-	16.2	20	98	0
IS2_Naphthalene-d8	1	1	-	0	20	120	0
a-Terpineol	0.267	0.21	-	21.3*	20	94	0
3-Chloroaniline	0.114	0.098	-	14	20	95	0
2,6-Dichlorophenol	0.285	0.252	-	11.6	20	104	0
1-chloro-2-nitrobenzene	0.135	0.121	-	10.4	20	106	0
Caprolactam	0.142	0.115	-	19	20	93	0
1,2,4,5-Tetrachlorobenzene	0.373	0.315	-	15.5	20	104	0
Biphenyl	0.931	0.74	-	20.5*	20	98	0
IS2_Acenaphthene-d10	1	1	-	0	20	121	0
Dichloran	0.158	0.147	-	7	20	111	0
Pentachloronitrobenzene	0.154	0.147	-	4.5	20	109	0
IS2_Phenanthrene-d10	1	1	-	0	20	122	0
Diphenamid	0.487	0.42	-	13.8	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV106
 Lab File ID : ADP0918
 Sample No : WG2116472-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/18/25 08:29
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	126	0
1,4-Dioxane	0.477	0.416	-	12.8	20	116	0
n-Decane	1.449	1.28	-	11.7	20	113	0
IS3_Acenaphthene-d10	1	1	-	0	20	128	0
Atrazine	0.372	0.384	-	-3.2	20	131	0
IS3_Phenanthrene-d10	1	1	-	0	20	130	0
n-Octadecane	0.48	0.426	-	11.2	20	113	0
Parathion	5	4.37	-	12.6	20	132	0
3,3'-Dimethylbenzidine	5	3.904	-	21.9*	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
n-Nitrosodimethylamine	0.792	0.687	-	13.3	20	83	0
Pyridine	1.349	0.723	-	46.4*	20	55	0
2-Fluorophenol	1.105	1.046	-	5.3	20	89	0
Aniline	5	3.882	-	22.4*	20	83	0
2-Chlorophenol	1.287	1.18	-	8.3	20	85	0
Phenol-d6	1.428	1.281	-	10.3	20	83	0
Phenol	1.581	1.444	-	8.7	20	87	0
Bis(2-chloroethyl)ether	1.319	1.125	-	14.7	20	84	0
1,3-Dichlorobenzene	1.573	1.402	-	10.9	20	88	0
1,4-Dichlorobenzene	1.611	1.427	-	11.4	20	87	0
1,2-Dichlorobenzene	1.557	1.381	-	11.3	20	87	0
Benzyl alcohol	1.122	0.955	-	14.9	20	82	0
Bis(2-chloroisopropyl)ethe	2.148	1.727	-	19.6	20	78	0
2-Methylphenol	1.155	1.052	-	8.9	20	85	0
Hexachloroethane	0.596	0.511	-	14.3	20	84	0
n-Nitrosodi-n-propylamine	1.032	0.807	-	21.8*	20	75	0
3-Methylphenol/4-Methylphe	1.27	1.141	-	10.2	20	86	0
Nitrobenzene-d5	1.354	1.239	-	8.5	20	86	0
Nitrobenzene	1.405	1.24	-	11.7	20	84	0
Isophorone	2.849	2.221	-	22*	20	73	0
2-Nitrophenol	5	4.382	-	12.4	20	100	0
2,4-Dimethylphenol	1.51	1.236	-	18.1	20	80	0
Bis(2-chloroethoxy)methane	1.807	1.522	-	15.8	20	80	0
2,4-Dichlorophenol	1.335	1.192	-	10.7	20	86	0
1,2,4-Trichlorobenzene	1.539	1.35	-	12.3	20	87	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.063	0.98	-	7.8	20	85	0
Benzoic Acid	5	3.085	-	38.3*	20	48	0
4-Chloroaniline	0.144	0.127	-	11.8	20	79	0
Hexachlorobutadiene	0.253	0.232	-	8.3	20	85	0
p-Chloro-m-cresol	0.329	0.283	-	14	20	76	0
2-Methylnaphthalene	0.674	0.628	-	6.8	20	85	0
1-Methylnaphthalene	0.269	0.228	-	15.2	20	79	0
Hexachlorocyclopentadiene	5	4.52	-	9.6	20	90	0
2,4,6-Trichlorophenol	5	4.244	-	15.1	20	86	0
2,4,5-Trichlorophenol	5	4.237	-	15.3	20	80	0
2-Fluorobiphenyl	0.927	0.839	-	9.5	20	80	0
2-Chloronaphthalene	0.786	0.715	-	9	20	82	0
2-Nitroaniline	5	4.043	-	19.1	20	85	0
1,4-Dinitrobenzene	0.128	0.106	-	17.2	20	85	0
1,3-Dinitrobenzene	0.145	0.125	-	13.8	20	89	0
Dimethyl phthalate	0.996	0.9	-	9.6	20	78	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ABN0928
 Sample No : WG2120745-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 17:46
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.282	1.189	-	7.3	20	79	0
2,6-Dinitrotoluene	5	4.107	-	17.9	20	82	0
1,2-Dinitrobenzene	0.094	0.084	-	10.6	20	90	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	5	4.254	-	14.9	20	80	0
Acenaphthene	1.102	1.024	-	7.1	20	81	0
2,4-Dinitrophenol	5	3.852	-	23*	20	72	0
Dibenzofuran	1.833	1.733	-	5.5	20	80	0
2,4-Dinitrotoluene	5	4.624	-	7.5	20	88	0
4-Nitrophenol	5	4.252	-	15	20	76	0
2,3,5,6-Tetrachlorophenol	5	4.361	-	12.8	20	82	0
2,3,4,6-Tetrachlorophenol	5	4.288	-	14.2	20	78	0
Diethyl phthalate	1.565	1.414	-	9.6	20	75	0
Fluorene	1.489	1.373	-	7.8	20	78	0
4-Chlorophenyl phenyl ethe	0.783	0.711	-	9.2	20	80	0
4-Nitroaniline	5	4.242	-	15.2	20	78	0
4,6-Dinitro-o-cresol	5	4.413	-	11.7	20	85	0
NDPA/DPA	1.246	1.19	-	4.5	20	80	0
Azobenzene	1.371	1.235	-	9.9	20	72	0
2,4,6-Tribromophenol	0.254	0.244	-	3.9	20	83	0
4-Bromophenyl phenyl ether	0.512	0.46	-	10.2	20	77	0
Hexachlorobenzene	0.607	0.541	-	10.9	20	79	0
Pentachlorophenol	5	4.673	-	6.5	20	91	0
IS1_Phenanthrene-d10	1	1	-	0	20	92	0
Phenanthrene	1.099	1.039	-	5.5	20	80	0
Anthracene	1.091	1.061	-	2.7	20	80	0
Carbazole	0.993	0.963	-	3	20	78	0
Di-n-butylphthalate	1.164	1.109	-	4.7	20	75	0
Fluoranthene	1.329	1.263	-	5	20	77	0
Benzidine	5	4.422	-	11.6	20	77	0
Pyrene	1.367	1.336	-	2.3	20	78	0
4-Terphenyl-d14	1.068	1.018	-	4.7	20	79	0
Butyl benzyl phthalate	5	4.323	-	13.5	20	80	0
IS1_Chrysene-d12	1	1	-	0	20	93	0
Benzo(a)anthracene	1.308	1.21	-	7.5	20	79	0
3,3'-Dichlorobenzidine	0.473	0.447	-	5.5	20	75	0
Chrysene	1.216	1.17	-	3.8	20	80	0
Bis(2-ethylhexyl)phthalate	5	4.21	-	15.8	20	76	0
Di-n-octylphthalate	5	3.913	-	21.7*	20	76	0
Benzo(b)fluoranthene	1.283	1.311	-	-2.2	20	88	0
Benzo(k)fluoranthene	1.251	1.105	-	11.7	20	70	0
Benzo(a)pyrene	1.188	1.116	-	6.1	20	77	0
IS1_Perylene-d12	1	1	-	0	20	93	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV112
Lab File ID : ABN0928
Sample No : WG2120745-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/28/25 17:46
Init. Calib. Date(s) : 08/17/25 08/18/25
Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.105	1.13	-	-2.3	20	84	0
Dibenzo(a,h)anthracene	1.064	1.082	-	-1.7	20	82	0
Benzo(ghi)perylene	1.105	1.085	-	1.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : AP90928
 Sample No : WG2120745-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:09
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
Benzaldehyde	0.597	0.984	-	-64.8*	20	163	0
Acetophenone	1.98	1.731	-	12.6	20	86	0
m-Toluidine	1.191	1.473	-	-23.7*	20	115	0
2-Chloroaniline	1.688	1.55	-	8.2	20	88	0
IS2_Naphthalene-d8	1	1	-	0	20	89	0
a-Terpineol	0.298	0.305	-	-2.3	20	94	0
3-Chloroaniline	0.138	0.151	-	-9.4	20	99	0
2,6-Dichlorophenol	0.282	0.319	-	-13.1	20	99	0
1-chloro-2-nitrobenzene	0.137	0.141	-	-2.9	20	93	0
Caprolactam	0.177	0.153	-	13.6	20	79	0
1,2,4,5-Tetrachlorobenzene	0.443	0.425	-	4.1	20	89	0
Biphenyl	0.978	0.915	-	6.4	20	87	0
IS2_Acenaphthene-d10	1	1	-	0	20	86	0
Dichloran	0.179	0.192	-	-7.3	20	99	0
Pentachloronitrobenzene	0.205	0.208	-	-1.5	20	92	0
IS2_Phenanthrene-d10	1	1	-	0	20	86	0
Diphenamid	0.494	0.478	-	3.2	20	85	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV112
 Lab File ID : ADP0928
 Sample No : WG2120745-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:31
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	105	0
1,4-Dioxane	0.546	0.465	-	14.8	20	97	0
n-Decane	1.602	1.494	-	6.7	20	99	0
IS3_Acenaphthene-d10	1	1	-	0	20	88	0
Atrazine	0.463	0.429	-	7.3	20	80	0
IS3_Phenanthrene-d10	1	1	-	0	20	84	0
n-Octadecane	0.496	0.435	-	12.3	20	74	0
Parathion	0.106	0.091	-	14.2	20	77	0
3,3'-Dimethylbenzidine	0.737	0.592	-	19.7	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	128	0
n-Nitrosodimethylamine	0.594	0.512	-	13.8	20	111	0
Pyridine	5	3.261	-	34.8*	20	97	0
2-Fluorophenol	0.881	0.827	-	6.1	20	118	0
Aniline	1.484	1.336	-	10	20	112	0
2-Chlorophenol	1.075	1.088	-	-1.2	20	129	0
Phenol-d6	1.175	1.084	-	7.7	20	122	0
Phenol	1.351	1.181	-	12.6	20	112	0
Bis(2-chloroethyl)ether	0.968	0.811	-	16.2	20	111	0
1,3-Dichlorobenzene	1.515	1.373	-	9.4	20	120	0
1,4-Dichlorobenzene	1.532	1.408	-	8.1	20	120	0
1,2-Dichlorobenzene	1.467	1.396	-	4.8	20	123	0
Benzyl alcohol	0.829	0.838	-	-1.1	20	130	0
Bis(2-chloroisopropyl)ethe	1.724	1.05	-	39.1*	20	81	0
2-Methylphenol	0.915	0.908	-	0.8	20	125	0
Hexachloroethane	0.539	0.502	-	6.9	20	124	0
n-Nitrosodi-n-propylamine	0.797	0.735	-	7.8	20	120	0
3-Methylphenol/4-Methylphe	1.028	1.003	-	2.4	20	129	0
Nitrobenzene-d5	1.117	1.094	-	2.1	20	125	0
Nitrobenzene	1.128	1.053	-	6.6	20	116	0
Isophorone	2.059	1.916	-	6.9	20	117	0
2-Nitrophenol	0.53	0.633	-	-19.4	20	160	0
2,4-Dimethylphenol	1.061	1.136	-	-7.1	20	133	0
Bis(2-chloroethoxy)methane	1.369	1.153	-	15.8	20	110	0
2,4-Dichlorophenol	1.189	1.272	-	-7	20	141	0
1,2,4-Trichlorobenzene	1.494	1.504	-	-0.7	20	130	0
IS1_Naphthalene-d8	1	1	-	0	20	129	0
Naphthalene	0.993	0.934	-	5.9	20	125	0
Benzoic Acid	5	5.504	-	-10.1	20	170	0
4-Chloroaniline	0.127	0.103	-	18.9	20	113	0
Hexachlorobutadiene	0.27	0.246	-	8.9	20	122	0
p-Chloro-m-cresol	0.263	0.267	-	-1.5	20	133	0
2-Methylnaphthalene	0.656	0.659	-	-0.5	20	132	0
1-Methylnaphthalene	0.245	0.24	-	2	20	135	0
Hexachlorocyclopentadiene	0.306	0.327	-	-6.9	20	135	0
2,4,6-Trichlorophenol	0.28	0.302	-	-7.9	20	140	0
2,4,5-Trichlorophenol	0.31	0.333	-	-7.4	20	136	0
2-Fluorobiphenyl	0.987	0.943	-	4.5	20	126	0
2-Chloronaphthalene	0.81	0.817	-	-0.9	20	132	0
2-Nitroaniline	0.204	0.226	-	-10.8	20	146	0
1,4-Dinitrobenzene	0.103	0.119	-	-15.5	20	151	0
1,3-Dinitrobenzene	0.117	0.135	-	-15.4	20	145	0
Dimethyl phthalate	1.014	1.016	-	-0.2	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : ABN0928A
 Sample No : WG2120752-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:33
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.266	1.291	-	-2	20	129	0
2,6-Dinitrotoluene	0.199	0.21	-	-5.5	20	138	0
1,2-Dinitrobenzene	0.074	0.082	-	-10.8	20	139	0
IS1_Acenaphthene-d10	1	1	-	0	20	128	0
3-Nitroaniline	0.274	0.298	-	-8.8	20	142	0
Acenaphthene	1.035	0.964	-	6.9	20	128	0
2,4-Dinitrophenol	0.158	0.172	-	-8.9	20	149	0
Dibenzofuran	1.815	1.71	-	5.8	20	128	0
2,4-Dinitrotoluene	0.369	0.418	-	-13.3	20	143	0
4-Nitrophenol	0.204	0.244	-	-19.6	20	154	0
2,3,5,6-Tetrachlorophenol	0.37	0.41	-	-10.8	20	142	0
2,3,4,6-Tetrachlorophenol	0.387	0.406	-	-4.9	20	138	0
Diethyl phthalate	1.394	1.394	-	0	20	130	0
Fluorene	1.408	1.398	-	0.7	20	134	0
4-Chlorophenyl phenyl ethe	0.76	0.71	-	6.6	20	124	0
4-Nitroaniline	0.27	0.307	-	-13.7	20	147	0
4,6-Dinitro-o-cresol	0.236	0.27	-	-14.4	20	152	0
NDPA/DPA	1.224	1.207	-	1.4	20	131	0
Azobenzene	1.155	1.03	-	10.8	20	115	0
2,4,6-Tribromophenol	0.229	0.302	-	-31.9*	20	181	0
4-Bromophenyl phenyl ether	0.488	0.457	-	6.4	20	132	0
Hexachlorobenzene	0.564	0.586	-	-3.9	20	142	0
Pentachlorophenol	0.306	0.362	-	-18.3	20	158	0
IS1_Phenanthrene-d10	1	1	-	0	20	132	0
Phenanthrene	1.097	1.005	-	8.4	20	130	0
Anthracene	1.058	1.031	-	2.6	20	133	0
Carbazole	0.981	0.962	-	1.9	20	134	0
Di-n-butylphthalate	1.04	1.072	-	-3.1	20	133	0
Fluoranthene	1.319	1.266	-	4	20	130	0
Benzidine	0.744	0.76	-	-2.2	20	136	0
Pyrene	1.411	1.344	-	4.7	20	128	0
4-Terphenyl-d14	1.035	1.012	-	2.2	20	131	0
Butyl benzyl phthalate	0.461	0.502	-	-8.9	20	149	0
IS1_Chrysene-d12	1	1	-	0	20	130	0
Benzo(a)anthracene	1.215	1.184	-	2.6	20	130	0
3,3'-Dichlorobenzidine	0.438	0.477	-	-8.9	20	136	0
Chrysene	1.234	1.156	-	6.3	20	129	0
Bis(2-ethylhexyl)phthalate	0.579	0.683	-	-18	20	137	0
Di-n-octylphthalate	1.024	1.168	-	-14.1	20	142	0
Benzo(b)fluoranthene	1.227	1.318	-	-7.4	20	143	0
Benzo(k)fluoranthene	1.227	1.282	-	-4.5	20	135	0
Benzo(a)pyrene	1.119	1.198	-	-7.1	20	136	0
IS1_Perylene-d12	1	1	-	0	20	140	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Calibration Date : 09/28/25 18:33
Lab File ID : ABN0928A	Init. Calib. Date(s) : 08/20/25 08/20/25
Sample No : WG2120752-3	Init. Calib. Times : 12:47 23:44
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.122	1.105	-	1.5	20	141	0
Dibenzo(a,h)anthracene	1.132	1.115	-	1.5	20	141	0
Benzo(ghi)perylene	1.145	1.159	-	-1.2	20	147	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : DAKOTA
 Lab File ID : AP90928A
 Sample No : WG2120752-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 18:55
 Init. Calib. Date(s) : 08/20/25 08/20/25
 Init. Calib. Times : 12:47 23:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	136	0
Benzaldehyde	0.534	0.818	-	-53.2*	20	227	0
Acetophenone	1.663	1.562	-	6.1	20	140	0
m-Toluidine	0.957	1.326	-	-38.6*	20	188	0
2-Chloroaniline	1.447	1.49	-	-3	20	144	0
IS2_Naphthalene-d8	1	1	-	0	20	145	0
a-Terpineol	0.245	0.203	-	17.1	20	128	0
3-Chloroaniline	0.122	0.119	-	2.5	20	149	0
2,6-Dichlorophenol	0.33	0.359	-	-8.8	20	165	0
1-chloro-2-nitrobenzene	0.135	0.134	-	0.7	20	151	0
Caprolactam	0.128	0.102	-	20.3*	20	123	0
1,2,4,5-Tetrachlorobenzene	0.495	0.46	-	7.1	20	145	0
Biphenyl	1.02	0.971	-	4.8	20	148	0
IS2_Acenaphthene-d10	1	1	-	0	20	143	0
Dichloran	0.199	0.2	-	-0.5	20	163	0
Pentachloronitrobenzene	0.197	0.211	-	-7.1	20	164	0
IS2_Phenanthrene-d10	1	1	-	0	20	143	0
Diphenamid	0.486	0.5	-	-2.9	20	161	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
n-Nitrosodimethylamine	0.659	0.692	-	-5	20	89	0
Pyridine	1.237	0.667	-	46.1*	20	49	0
2-Fluorophenol	1.032	1.038	-	-0.6	20	89	0
Aniline	1.692	1.612	-	4.7	20	83	0
2-Chlorophenol	1.228	1.177	-	4.2	20	86	0
Phenol-d6	1.268	1.241	-	2.1	20	85	0
Phenol	1.412	1.424	-	-0.8	20	91	0
Bis(2-chloroethyl)ether	1.193	1.114	-	6.6	20	88	0
1,3-Dichlorobenzene	1.558	1.413	-	9.3	20	85	0
1,4-Dichlorobenzene	1.592	1.461	-	8.2	20	86	0
1,2-Dichlorobenzene	1.528	1.395	-	8.7	20	86	0
Benzyl alcohol	0.928	0.891	-	4	20	86	0
Bis(2-chloroisopropyl)ethe	1.867	1.818	-	2.6	20	91	0
2-Methylphenol	1.04	1.031	-	0.9	20	89	0
Hexachloroethane	0.584	0.514	-	12	20	82	0
n-Nitrosodi-n-propylamine	0.823	0.783	-	4.9	20	85	0
3-Methylphenol/4-Methylphe	1.102	1.115	-	-1.2	20	89	0
Nitrobenzene-d5	1.172	1.194	-	-1.9	20	92	0
Nitrobenzene	1.19	1.207	-	-1.4	20	93	0
Isophorone	2.158	2.11	-	2.2	20	88	0
2-Nitrophenol	0.494	0.593	-	-20	20	106	0
2,4-Dimethylphenol	1.154	1.198	-	-3.8	20	92	0
Bis(2-chloroethoxy)methane	1.45	1.415	-	2.4	20	90	0
2,4-Dichlorophenol	1.111	1.097	-	1.3	20	86	0
1,2,4-Trichlorobenzene	1.448	1.246	-	14	20	82	0
IS1_Naphthalene-d8	1	1	-	0	20	93	0
Naphthalene	1.054	0.971	-	7.9	20	87	0
Benzoic Acid	5	4.41	-	11.8	20	83	0
4-Chloroaniline	0.12	0.122	-	-1.7	20	92	0
Hexachlorobutadiene	0.231	0.195	-	15.6	20	82	0
p-Chloro-m-cresol	0.256	0.269	-	-5.1	20	93	0
2-Methylnaphthalene	0.632	0.606	-	4.1	20	89	0
1-Methylnaphthalene	0.24	0.208	-	13.3	20	81	0
Hexachlorocyclopentadiene	0.244	0.244	-	0	20	93	0
2,4,6-Trichlorophenol	0.214	0.23	-	-7.5	20	90	0
2,4,5-Trichlorophenol	0.23	0.247	-	-7.4	20	94	0
2-Fluorobiphenyl	0.872	0.779	-	10.7	20	85	0
2-Chloronaphthalene	0.734	0.659	-	10.2	20	85	0
2-Nitroaniline	0.159	0.181	-	-13.8	20	101	0
1,4-Dinitrobenzene	0.077	0.095	-	-23.4*	20	111	0
1,3-Dinitrobenzene	0.093	0.11	-	-18.3	20	105	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	90	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.063	-	3.4	20	88	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	101	0
1,2-Dinitrobenzene	0.06	0.074	-	-23.3*	20	108	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	0.246	0.287	-	-16.7	20	99	0
Acenaphthene	1.144	1.049	-	8.3	20	89	0
2,4-Dinitrophenol	5	5.319	-	-6.4	20	114	0
Dibenzofuran	1.834	1.671	-	8.9	20	87	0
2,4-Dinitrotoluene	5	5.298	-	-6	20	104	0
4-Nitrophenol	0.185	0.218	-	-17.8	20	103	0
2,3,5,6-Tetrachlorophenol	0.304	0.33	-	-8.6	20	95	0
2,3,4,6-Tetrachlorophenol	0.3	0.318	-	-6	20	92	0
Diethyl phthalate	1.28	1.252	-	2.2	20	91	0
Fluorene	1.409	1.324	-	6	20	88	0
4-Chlorophenyl phenyl ethe	0.719	0.649	-	9.7	20	87	0
4-Nitroaniline	0.246	0.257	-	-4.5	20	96	0
4,6-Dinitro-o-cresol	5	5.867	-	-17.3	20	123	0
NDPA/DPA	1.112	1.095	-	1.5	20	90	0
Azobenzene	1.133	1.15	-	-1.5	20	93	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	87	0
4-Bromophenyl phenyl ether	0.383	0.331	-	13.6	20	82	0
Hexachlorobenzene	0.399	0.347	-	13	20	85	0
Pentachlorophenol	0.216	0.201	-	6.9	20	86	0
IS1_Phenanthrene-d10	1	1	-	0	20	94	0
Phenanthrene	1.146	1.063	-	7.2	20	89	0
Anthracene	1.122	1.075	-	4.2	20	90	0
Carbazole	0.975	0.935	-	4.1	20	86	0
Di-n-butylphthalate	1.07	1.101	-	-2.9	20	91	0
Fluoranthene	1.217	1.154	-	5.2	20	86	0
Benzidine	5	4.315	-	13.7	20	82	0
Pyrene	1.292	1.202	-	7	20	84	0
4-Terphenyl-d14	0.865	0.775	-	10.4	20	83	0
Butyl benzyl phthalate	5	4.552	-	9	20	97	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.304	-	4.6	20	83	0
3,3'-Dichlorobenzidine	0.436	0.407	-	6.7	20	79	0
Chrysene	1.352	1.286	-	4.9	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.82	-	3.6	20	90	0
Di-n-octylphthalate	5	4.589	-	8.2	20	89	0
Benzo(b)fluoranthene	1.185	1.073	-	9.5	20	80	0
Benzo(k)fluoranthene	1.199	1.063	-	11.3	20	75	0
Benzo(a)pyrene	1.101	0.971	-	11.8	20	77	0
IS1_Perylene-d12	1	1	-	0	20	87	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0928
 Sample No : WG2120753-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:00
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.109	-	0.2	20	82	0
Dibenzo(a,h)anthracene	1.154	1.132	-	1.9	20	81	0
Benzo(ghi)perylene	1.15	1.146	-	0.3	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : DAKOTA	Calibration Date : 09/28/25 19:18
Lab File ID : ADP0928	Init. Calib. Date(s) : 08/20/25 08/20/25
Sample No : WG2120752-5	Init. Calib. Times : 12:47 23:44
Channel :	

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	118	0
1,4-Dioxane	0.411	0.366	-	10.9	20	108	0
n-Decane	1.27	0.872	-	31.3*	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	131	0
Atrazine	0.486	0.432	-	11.1	20	122	0
IS3_Phenanthrene-d10	1	1	-	0	20	135	0
n-Octadecane	0.368	0.238	-	35.3*	20	93	0
Parathion	5	5.216	-	-4.3	20	140	0
3,3'-Dimethylbenzidine	5	3.238	-	35.2*	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90928
 Sample No : WG2120753-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:25
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
Benzaldehyde	0.605	0.929	-	-53.6*	20	162	0
Acetophenone	1.796	1.649	-	8.2	20	97	0
m-Toluidine	1.129	1.422	-	-26*	20	133	0
2-Chloroaniline	1.545	1.525	-	1.3	20	102	0
IS2_Naphthalene-d8	1	1	-	0	20	104	0
a-Terpineol	0.25	0.305	-	-22*	20	124	0
3-Chloroaniline	0.117	0.137	-	-17.1	20	112	0
2,6-Dichlorophenol	0.264	0.291	-	-10.2	20	107	0
1-chloro-2-nitrobenzene	0.124	0.133	-	-7.3	20	112	0
Caprolactam	0.125	0.146	-	-16.8	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.364	-	12.3	20	95	0
Biphenyl	0.948	0.859	-	9.4	20	97	0
IS2_Acenaphthene-d10	1	1	-	0	20	102	0
Dichloran	0.145	0.14	-	3.4	20	113	0
Pentachloronitrobenzene	0.133	0.139	-	-4.5	20	103	0
IS2_Phenanthrene-d10	1	1	-	0	20	100	0
Diphenamid	0.435	0.43	-	1.1	20	93	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0928
 Sample No : WG2120753-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/28/25 19:50
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	86	0
1,4-Dioxane	0.545	0.494	-	9.4	20	85	0
n-Decane	1.567	1.729	-	-10.3	20	100	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.33	0.354	-	-7.3	20	90	0
IS3_Phenanthrene-d10	1	1	-	0	20	85	0
n-Octadecane	0.441	0.539	-	-22.2*	20	101	0
Parathion	5	5.725	-	-14.5	20	112	0
3,3'-Dimethylbenzidine	5	3.591	-	28.2*	20	64	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	82	0
n-Nitrosodimethylamine	0.659	0.72	-	-9.3	20	82	0
Pyridine	1.237	0.748	-	39.5*	20	49	0
2-Fluorophenol	1.032	1.043	-	-1.1	20	79	0
Aniline	1.692	1.68	-	0.7	20	76	0
2-Chlorophenol	1.228	1.208	-	1.6	20	78	0
Phenol-d6	1.268	1.312	-	-3.5	20	80	0
Phenol	1.412	1.48	-	-4.8	20	84	0
Bis(2-chloroethyl)ether	1.193	1.133	-	5	20	79	0
1,3-Dichlorobenzene	1.558	1.449	-	7	20	77	0
1,4-Dichlorobenzene	1.592	1.479	-	7.1	20	77	0
1,2-Dichlorobenzene	1.528	1.403	-	8.2	20	77	0
Benzyl alcohol	0.928	0.959	-	-3.3	20	81	0
Bis(2-chloroisopropyl)ethe	1.867	1.944	-	-4.1	20	86	0
2-Methylphenol	1.04	1.088	-	-4.6	20	83	0
Hexachloroethane	0.584	0.534	-	8.6	20	75	0
n-Nitrosodi-n-propylamine	0.823	0.818	-	0.6	20	79	0
3-Methylphenol/4-Methylphe	1.102	1.137	-	-3.2	20	80	0
Nitrobenzene-d5	1.172	1.245	-	-6.2	20	85	0
Nitrobenzene	1.19	1.262	-	-6.1	20	86	0
Isophorone	2.158	2.184	-	-1.2	20	81	0
2-Nitrophenol	0.494	0.614	-	-24.3*	20	97	0
2,4-Dimethylphenol	1.154	1.195	-	-3.6	20	81	0
Bis(2-chloroethoxy)methane	1.45	1.403	-	3.2	20	79	0
2,4-Dichlorophenol	1.111	1.1	-	1	20	76	0
1,2,4-Trichlorobenzene	1.448	1.271	-	12.2	20	74	0
IS1_Naphthalene-d8	1	1	-	0	20	84	0
Naphthalene	1.054	0.973	-	7.7	20	79	0
Benzoic Acid	5	4.088	-	18.2	20	67	0
4-Chloroaniline	0.12	0.126	-	-5	20	85	0
Hexachlorobutadiene	0.231	0.199	-	13.9	20	75	0
p-Chloro-m-cresol	0.256	0.274	-	-7	20	85	0
2-Methylnaphthalene	0.632	0.592	-	6.3	20	78	0
1-Methylnaphthalene	0.24	0.207	-	13.8	20	72	0
Hexachlorocyclopentadiene	0.244	0.233	-	4.5	20	80	0
2,4,6-Trichlorophenol	0.214	0.228	-	-6.5	20	80	0
2,4,5-Trichlorophenol	0.23	0.25	-	-8.7	20	85	0
2-Fluorobiphenyl	0.872	0.766	-	12.2	20	75	0
2-Chloronaphthalene	0.734	0.65	-	11.4	20	75	0
2-Nitroaniline	0.159	0.188	-	-18.2	20	94	0
1,4-Dinitrobenzene	0.077	0.099	-	-28.6*	20	105	0
1,3-Dinitrobenzene	0.093	0.113	-	-21.5*	20	98	0
Dimethyl phthalate	0.769	0.763	-	0.8	20	81	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ABN0929
 Sample No : WG2121049-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:24
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.1	1.066	-	3.1	20	79	0
2,6-Dinitrotoluene	0.131	0.161	-	-22.9*	20	90	0
1,2-Dinitrobenzene	0.06	0.075	-	-25*	20	98	0
IS1_Acenaphthene-d10	1	1	-	0	20	82	0
3-Nitroaniline	0.246	0.299	-	-21.5*	20	90	0
Acenaphthene	1.144	1.066	-	6.8	20	80	0
2,4-Dinitrophenol	5	6.285	-	-25.7*	20	120	0
Dibenzofuran	1.834	1.715	-	6.5	20	79	0
2,4-Dinitrotoluene	5	5.542	-	-10.8	20	96	0
4-Nitrophenol	0.185	0.243	-	-31.4*	20	100	0
2,3,5,6-Tetrachlorophenol	0.304	0.331	-	-8.9	20	83	0
2,3,4,6-Tetrachlorophenol	0.3	0.327	-	-9	20	83	0
Diethyl phthalate	1.28	1.238	-	3.3	20	79	0
Fluorene	1.409	1.331	-	5.5	20	77	0
4-Chlorophenyl phenyl ethe	0.719	0.658	-	8.5	20	78	0
4-Nitroaniline	0.246	0.284	-	-15.4	20	93	0
4,6-Dinitro-o-cresol	5	6.438	-	-28.8*	20	119	0
NDPA/DPA	1.112	1.109	-	0.3	20	79	0
Azobenzene	1.133	1.198	-	-5.7	20	85	0
2,4,6-Tribromophenol	0.152	0.153	-	-0.7	20	76	0
4-Bromophenyl phenyl ether	0.383	0.344	-	10.2	20	75	0
Hexachlorobenzene	0.399	0.351	-	12	20	75	0
Pentachlorophenol	0.216	0.216	-	0	20	81	0
IS1_Phenanthrene-d10	1	1	-	0	20	85	0
Phenanthrene	1.146	1.092	-	4.7	20	83	0
Anthracene	1.122	1.095	-	2.4	20	83	0
Carbazole	0.975	0.959	-	1.6	20	80	0
Di-n-butylphthalate	1.07	1.054	-	1.5	20	79	0
Fluoranthene	1.217	1.186	-	2.5	20	80	0
Benzidine	5	4.494	-	10.1	20	77	0
Pyrene	1.292	1.273	-	1.5	20	80	0
4-Terphenyl-d14	0.865	0.791	-	8.6	20	76	0
Butyl benzyl phthalate	5	4.681	-	6.4	20	90	0
IS1_Chrysene-d12	1	1	-	0	20	86	0
Benzo(a)anthracene	1.367	1.313	-	4	20	84	0
3,3'-Dichlorobenzidine	0.436	0.415	-	4.8	20	81	0
Chrysene	1.352	1.279	-	5.4	20	84	0
Bis(2-ethylhexyl)phthalate	5	4.277	-	14.5	20	80	0
Di-n-octylphthalate	5	4.489	-	10.2	20	88	0
Benzo(b)fluoranthene	1.185	1.187	-	-0.2	20	89	0
Benzo(k)fluoranthene	1.199	1.195	-	0.3	20	85	0
Benzo(a)pyrene	1.101	1.109	-	-0.7	20	88	0
IS1_Perylene-d12	1	1	-	0	20	98	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV107
Lab File ID : ABN0929
Sample No : WG2121049-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/29/25 12:24
Init. Calib. Date(s) : 08/26/25 08/27/25
Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.111	1.08	-	2.8	20	90	0
Dibenzo(a,h)anthracene	1.154	1.088	-	5.7	20	87	0
Benzo(ghi)perylene	1.15	1.106	-	3.8	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : AP90929
 Sample No : WG2121049-4
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 12:49
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	101	0
Benzaldehyde	0.605	0.952	-	-57.4*	20	158	0
Acetophenone	1.796	1.651	-	8.1	20	93	0
m-Toluidine	1.129	1.421	-	-25.9*	20	127	0
2-Chloroaniline	1.545	1.51	-	2.3	20	97	0
IS2_Naphthalene-d8	1	1	-	0	20	99	0
a-Terpineol	0.25	0.309	-	-23.6*	20	118	0
3-Chloroaniline	0.117	0.145	-	-23.9*	20	112	0
2,6-Dichlorophenol	0.264	0.296	-	-12.1	20	103	0
1-chloro-2-nitrobenzene	0.124	0.136	-	-9.7	20	108	0
Caprolactam	0.125	0.155	-	-24*	20	127	0
1,2,4,5-Tetrachlorobenzene	0.415	0.37	-	10.8	20	91	0
Biphenyl	0.948	0.845	-	10.9	20	90	0
IS2_Acenaphthene-d10	1	1	-	0	20	97	0
Dichloran	0.145	0.146	-	-0.7	20	113	0
Pentachloronitrobenzene	0.133	0.14	-	-5.3	20	99	0
IS2_Phenanthrene-d10	1	1	-	0	20	94	0
Diphenamid	0.435	0.433	-	0.5	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV107
 Lab File ID : ADP0929
 Sample No : WG2121049-5
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/29/25 13:14
 Init. Calib. Date(s) : 08/26/25 08/27/25
 Init. Calib. Times : 18:52 16:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	75	0
1,4-Dioxane	0.545	0.522	-	4.2	20	79	0
n-Decane	1.567	1.708	-	-9	20	86	0
IS3_Acenaphthene-d10	1	1	-	0	20	75	0
Atrazine	0.33	0.353	-	-7	20	79	0
IS3_Phenanthrene-d10	1	1	-	0	20	75	0
n-Octadecane	0.441	0.466	-	-5.7	20	77	0
Parathion	5	5.458	-	-9.2	20	94	0
3,3'-Dimethylbenzidine	5	4.145	-	17.1	20	69	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250929RVT\
 Data File : ABN0929.D
 Acq On : 29 Sep 2025 12:24 pm
 Operator : SV107:smz
 Sample : wg2121049-3,32,,ABN 11823 gmr0814B
 Misc : wg2121049,,ical22052
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 29 13:18:19 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 13:18:39 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00
2 t	n-Nitrosodimethylamine	0.659	0.720	-9.3	82	0.00
3 t	Pyridine	1.237	0.748	39.5#	49#	0.00
4 S	2-Fluorophenol	1.032	1.043	-1.1	79	0.00
5 T	Aniline	1.692	1.680	0.7	76	0.00
6 t	2-Chlorophenol	1.228	1.208	1.6	78	0.00
7 S	Phenol-d6	1.268	1.312	-3.5	80	0.00
8 T	Phenol	1.412	1.480	-4.8	84	0.00
9 T	Bis(2-chloroethyl)ether	1.193	1.133	5.0	79	0.00
10 T	1,3-Dichlorobenzene	1.558	1.449	7.0	77	0.00
11 T	1,4-Dichlorobenzene	1.592	1.479	7.1	77	0.00
12 T	1,2-Dichlorobenzene	1.528	1.403	8.2	77	0.00
13 t	Benzyl alcohol	0.928	0.959	-3.3	81	0.00
14 T	Bis(2-chloroisopropyl)ether	1.867	1.944	-4.1	86	0.00
15 T	2-Methylphenol	1.040	1.088	-4.6	83	0.00
16 T	Hexachloroethane	0.584	0.534	8.6	75	0.00
17 T	n-Nitrosodi-n-propylamine	0.823	0.818	0.6	79	0.00
18 T	3-Methylphenol/4-Methylphen	1.102	1.137	-3.2	80	0.00
19 S	Nitrobenzene-d5	1.172	1.245	-6.2	85	0.00
20 T	Nitrobenzene	1.190	1.262	-6.1	86	0.00
21 T	Isophorone	2.158	2.184	-1.2	81	0.00
22 T	2-Nitrophenol	0.494	0.614	-24.3#	97	0.00
23 T	2,4-Dimethylphenol	1.154	1.195	-3.6	81	0.00
24 T	Bis(2-chloroethoxy)methane	1.450	1.403	3.2	79	0.00
25 T	2,4-Dichlorophenol	1.111	1.100	1.0	76	0.00
26 T	1,2,4-Trichlorobenzene	1.448	1.271	12.2	74	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	84	0.00
36 T	Naphthalene	1.054	0.973	7.7	79	0.00
37 T	Benzoic Acid	* 5.000	4.088	18.2	67	0.00
38 T	4-Chloroaniline	0.120	0.126	-5.0	85	0.00
39 T	Hexachlorobutadiene	0.231	0.199	13.9	75	0.00
40 T	p-Chloro-m-cresol	0.256	0.274	-7.0	85	0.00
41 T	2-Methylnaphthalene	0.632	0.592	6.3	78	0.00
42 T	1-Methylnaphthalene	0.240	0.207	13.8	72	0.00
43 T	Hexachlorocyclopentadiene	0.244	0.233	4.5	80	0.00
44 T	2,4,6-Trichlorophenol	0.214	0.228	-6.5	80	0.00
45 T	2,4,5-Trichlorophenol	0.230	0.250	-8.7	85	0.00
46 S	2-Fluorobiphenyl	0.872	0.766	12.2	75	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250929RVT\
 Data File : ABN0929.D
 Acq On : 29 Sep 2025 12:24 pm
 Operator : SV107:smz
 Sample : wg2121049-3,32,,ABN 11823 gmr0814B
 Misc : wg2121049,,ical22052
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 29 13:18:19 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 13:18:39 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.734	0.650	11.4	75	0.00
48 T	2-Nitroaniline	0.159	0.188	-18.2	94	0.00
49 T	1,4-Dinitrobenzene	0.077	0.099	-28.6#	105	0.00
50 T	1,3-Dinitrobenzene	0.093	0.113	-21.5#	98	0.00
51 T	Dimethyl phthalate	0.769	0.763	0.8	81	0.00
52 T	Acenaphthylene	1.100	1.066	3.1	79	0.00
53 T	2,6-Dinitrotoluene	0.131	0.161	-22.9#	90	0.00
54 T	1,2-Dinitrobenzene	0.060	0.075	-25.0#	98	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	82	0.00
64 T	3-Nitroaniline	0.246	0.299	-21.5#	90	0.00
65 T	Acenaphthene	1.144	1.066	6.8	80	0.00
66 T	2,4-Dinitrophenol	* 5.000	6.285	-25.7#	120	0.00
67 T	Dibenzofuran	1.834	1.715	6.5	79	0.00
68 T	2,4-Dinitrotoluene	* 5.000	5.542	-10.8	96	0.00
69 T	4-Nitrophenol	0.185	0.243	-31.4#	100	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.304	0.331	-8.9	83	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.300	0.327	-9.0	83	0.00
72 T	Diethyl phthalate	1.280	1.238	3.3	79	0.00
73 T	Fluorene	1.409	1.331	5.5	77	0.00
74 T	4-Chlorophenyl phenyl ether	0.719	0.658	8.5	78	0.00
75 T	4-Nitroaniline	0.246	0.284	-15.4	93	0.00
76 T	4,6-Dinitro-o-cresol	* 5.000	6.438	-28.8#	119	0.00
77 T	NDPA/DPA	1.112	1.109	0.3	79	0.00
78 T	Azobenzene	1.133	1.198	-5.7	85	0.00
79 S	2,4,6-Tribromophenol	0.152	0.153	-0.7	76	0.00
80 T	4-Bromophenyl phenyl ether	0.383	0.344	10.2	75	0.00
81 T	Hexachlorobenzene	0.399	0.351	12.0	75	0.00
82 T	Pentachlorophenol	0.216	0.216	0.0	81	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	85	0.00
89 T	Phenanthrene	1.146	1.092	4.7	83	0.00
90 T	Anthracene	1.122	1.095	2.4	83	0.00
91 T	Carbazole	0.975	0.959	1.6	80	0.00
92 T	Di-n-butylphthalate	1.070	1.054	1.5	79	0.00
93 T	Fluoranthene	1.217	1.186	2.5	80	0.00
94 T	Benzidine	* 5.000	4.494	10.1	77	0.00
95 T	Pyrene	1.292	1.273	1.5	80	0.00
96 S	4-Terphenyl-d14	0.865	0.791	8.6	76	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250929RVT\
 Data File : ABN0929.D
 Acq On : 29 Sep 2025 12:24 pm
 Operator : SV107:smz
 Sample : wg2121049-3,32,,ABN 11823 gmr0814B
 Misc : wg2121049,,ical22052
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 29 13:18:19 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 13:18:39 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	*	5.000	4.681	6.4	90	0.00
104 I	IS1_Chrysene-d12		1.000	1.000	0.0	86	0.00
105 T	Benzo(a)anthracene		1.367	1.313	4.0	84	0.00
106 T	3,3'-Dichlorobenzidine		0.436	0.415	4.8	81	0.00
107 T	Chrysene		1.352	1.279	5.4	84	0.00
108 T	Bis(2-ethylhexyl)phthalate	*	5.000	4.277	14.5	80	0.00
109 T	Di-n-octylphthalate	*	5.000	4.489	10.2	88	0.00
110 T	Benzo(b)fluoranthene		1.185	1.187	-0.2	89	0.00
111 T	Benzo(k)fluoranthene		1.199	1.195	0.3	85	0.00
112 T	Benzo(a)pyrene		1.101	1.109	-0.7	88	0.00
113 I	IS1_Perylene-d12		1.000	1.000	0.0	98	0.00
114 T	Indeno(1,2,3-cd)pyrene		1.111	1.080	2.8	90	0.00
115 T	Dibenzo(a,h)anthracene		1.154	1.088	5.7	87	0.00
116 T	Benzo(ghi)perylene		1.150	1.106	3.8	88	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250929RVT\
 Data File : ABN0929.D
 Acq On : 29 Sep 2025 12:24 pm
 Operator : SV107:smz
 Sample : wg2121049-3,32,,ABN 11823 gmr0814B
 Misc : wg2121049,,ical22052
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 29 13:18:19 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 13:18:39 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.290	152	46264	4.000	ug/ml	0.00
35) IS1_Naphthalene-d8	7.732	136	171688	4.000	ug/ml	0.00
63) IS1_Acenaphthene-d10	9.500	164	98322	4.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	10.939	188	181787	4.000	ug/ml	0.00
104) IS1_Chrysene-d12	13.575	240	160942	4.000	ug/ml	0.00
113) IS1_Perylene-d12	15.042	264	163931	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.251	112	60297	5.052	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	252.60%#	
7) Phenol-d6	5.910	99	75859	5.171	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	258.55%#	
19) Nitrobenzene-d5	6.958	82	71986	5.308	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	530.80%#	
46) 2-Fluorobiphenyl	8.863	172	164481	4.392	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	439.20%#	
79) 2,4,6-Tribromophenol	10.271	330	18822	5.025	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	251.25%#	
96) 4-Terphenyl-d14	12.534	244	179687	4.570	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	457.00%#	
Target Compounds						
					Qvalue	
2) n-Nitrosodimethylamine	1.951	74	41621	5.460	ug/ml#	64
3) Pyridine	1.994	79	43277M1	3.025	ug/ml	
5) Aniline	5.873	93	97163	4.966	ug/ml	99
6) 2-Chlorophenol	6.013	128	69833	4.918	ug/ml	97
8) Phenol	5.926	94	85567	5.238	ug/ml	97
9) Bis(2-chloroethyl)ether	6.013	93	65496	4.746	ug/ml#	75
10) 1,3-Dichlorobenzene	6.209	146	83800	4.650	ug/ml	97
11) 1,4-Dichlorobenzene	6.311	146	85516	4.645	ug/ml	97
12) 1,2-Dichlorobenzene	6.485	146	81141	4.592	ug/ml	97
13) Benzyl alcohol	6.507	79	55454	5.164	ug/ml	97
14) Bis(2-chloroisopropyl)...	6.687	45	112419	5.206	ug/ml#	62
15) 2-Methylphenol	6.681	108	62939	5.231	ug/ml	96
16) Hexachloroethane	6.880	117	30905	4.572	ug/ml#	64
17) n-Nitrosodi-n-propylamine	6.837	70	47283	4.965	ug/ml	94
18) 3-Methylphenol/4-Methy...	6.871	108	65749	5.160	ug/ml	97
20) Nitrobenzene	6.980	77	72991	5.305	ug/ml	100
21) Isophorone	7.266	82	126312	5.060	ug/ml	97
22) 2-Nitrophenol	7.340	139	35524	6.212	ug/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250929RVT\
 Data File : ABN0929.D
 Acq On : 29 Sep 2025 12:24 pm
 Operator : SV107:smz
 Sample : wg2121049-3,32,,ABN 11823 gmr0814B
 Misc : wg2121049,,ical22052
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 29 13:18:19 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 13:18:39 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23)	2,4-Dimethylphenol	7.446	107	69092	5.177	ug/ml	98
24)	Bis(2-chloroethoxy)met...	7.545	93	81162	4.839	ug/ml	97
25)	2,4-Dichlorophenol	7.607	162	63611	4.952	ug/ml	94
26)	1,2,4-Trichlorobenzene	7.688	180	73482	4.387	ug/ml	96
36)	Naphthalene	7.753	128	208800	4.614	ug/ml	99
37)	Benzoic Acid	7.530	105	28457	4.088	ug/ml	92
38)	4-Chloroaniline	7.844	65	26945	5.244	ug/ml	90
39)	Hexachlorobutadiene	7.915	225	42700	4.305	ug/ml	99
40)	p-Chloro-m-cresol	8.372	107	58882	5.368	ug/ml	100
41)	2-Methylnaphthalene	8.478	142	127140	4.684	ug/ml	95
42)	1-Methylnaphthalene	8.571	115	44401	4.319	ug/ml	92
43)	Hexachlorocyclopentadiene	8.646	237	50032	4.785	ug/ml	97
44)	2,4,6-Trichlorophenol	8.773	196	48830	5.304	ug/ml	99
45)	2,4,5-Trichlorophenol	8.801	196	53592	5.432	ug/ml	97
47)	2-Chloronaphthalene	8.956	162	139426	4.426	ug/ml	96
48)	2-Nitroaniline	9.071	138	40338	5.918	ug/ml	90
49)	1,4-Dinitrobenzene	9.217	168	21346	6.442	ug/ml#	72
50)	1,3-Dinitrobenzene	9.289	168	24301	6.106	ug/ml#	1
51)	Dimethyl phthalate	9.286	163	163774	4.964	ug/ml#	98
52)	Acenaphthylene	9.357	152	228713	4.846	ug/ml	98
53)	2,6-Dinitrotoluene	9.326	165	34500	6.122	ug/ml#	80
54)	1,2-Dinitrobenzene	9.363	168	16073	6.285	ug/ml#	1
64)	3-Nitroaniline	9.478	138	36756	6.073	ug/ml	97
65)	Acenaphthene	9.531	154	131069	4.660	ug/ml	94
66)	2,4-Dinitrophenol	9.581	184	21015	6.285	ug/ml#	87
67)	Dibenzofuran	9.702	168	210768	4.676	ug/ml	91
68)	2,4-Dinitrotoluene	9.715	165	48480	5.542	ug/ml	92
69)	4-Nitrophenol	9.668	65	29833	6.550	ug/ml	93
70)	2,3,5,6-Tetrachlorophenol	9.792	232	40649	5.437	ug/ml	99
71)	2,3,4,6-Tetrachlorophenol	9.833	232	40235	5.459	ug/ml	98
72)	Diethyl phthalate	9.982	149	152205	4.838	ug/ml	97
73)	Fluorene	10.038	166	163561	4.722	ug/ml	94
74)	4-Chlorophenyl phenyl ...	10.063	204	80920	4.578	ug/ml	89
75)	4-Nitroaniline	10.066	138	34895	5.782	ug/ml	87
76)	4,6-Dinitro-o-cresol	10.103	198	28747	6.438	ug/ml#	63
77)	NDPA/DPA	10.178	169	136240	4.986	ug/ml	95
78)	Azobenzene	10.212	77	147293	5.287	ug/ml	95
80)	4-Bromophenyl phenyl e...	10.535	248	42258	4.492	ug/ml#	89
81)	Hexachlorobenzene	10.566	284	43140	4.394	ug/ml	88
82)	Pentachlorophenol	10.765	266	26589	5.018	ug/ml	98
89)	Phenanthrene	10.964	178	248233	4.765	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250929RVT\
 Data File : ABN0929.D
 Acq On : 29 Sep 2025 12:24 pm
 Operator : SV107:smz
 Sample : wg2121049-3,32,,ABN 11823 gmr0814B
 Misc : wg2121049,,ical22052
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 29 13:18:19 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 13:18:39 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

90)	Anthracene	11.011	178	248875	4.879	ug/ml	99
91)	Carbazole	11.185	167	217967	4.920	ug/ml	98
92)	Di-n-butylphthalate	11.589	149	239462	4.926	ug/ml	98
93)	Fluoranthene	12.117	202	269519	4.871	ug/ml#	93
94)	Benzydine	12.279	184	141583	4.494	ug/ml#	95
95)	Pyrene	12.332	202	289271	4.925	ug/ml	99
97)	Butyl benzyl phthalate	13.068	149	99516	4.681	ug/ml	90
105)	Benzo(a)anthracene	13.566	228	264120	4.802	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.572	252	83514	4.766	ug/ml	97
107)	Chrysene	13.603	228	257286	4.730	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.715	149	145240	4.277	ug/ml#	95
109)	Di-n-octylphthalate	14.405	149	238268	4.489	ug/ml#	74
110)	Benzo(b)fluoranthene	14.675	252	238871	5.012	ug/ml	97
111)	Benzo(k)fluoranthene	14.700	252	240467	4.985	ug/ml	96
112)	Benzo(a)pyrene	14.989	252	223017	5.032	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	16.021	276	221373	4.860	ug/mL	98
115)	Dibenzo(a,h)anthracene	16.052	278	222978	4.713	ug/ml	95
116)	Benzo(ghi)perylene	16.260	276	226713	4.812	ug/ml	95

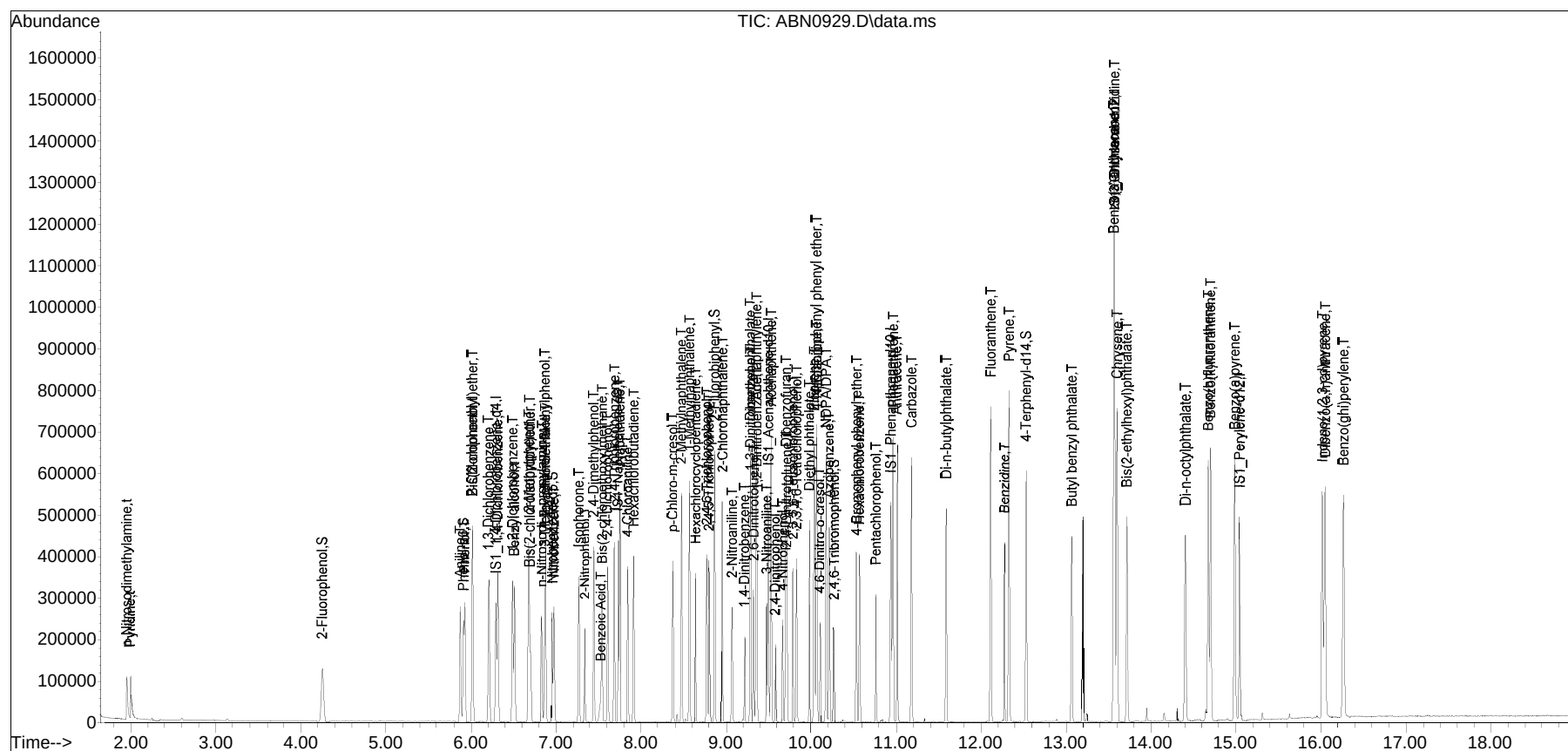
(#) = qualifier out of range (m) = manual integration (+) = signals summed

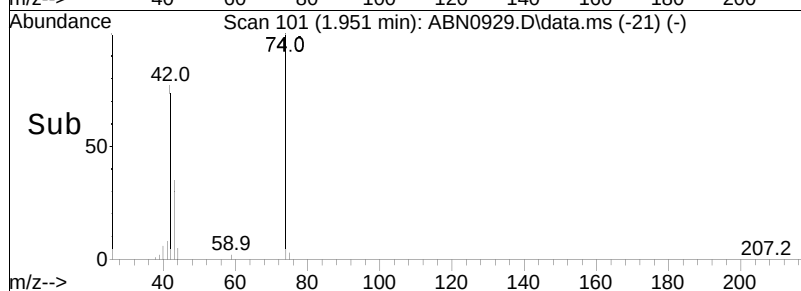
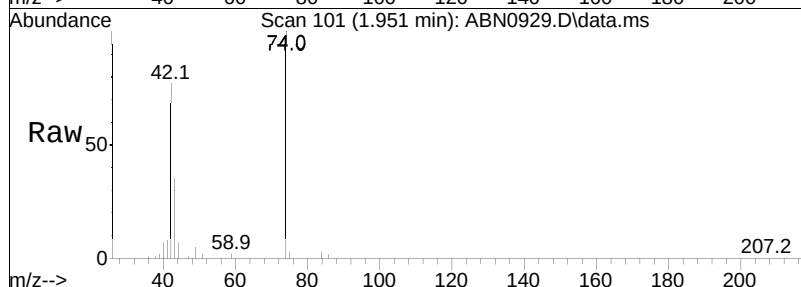
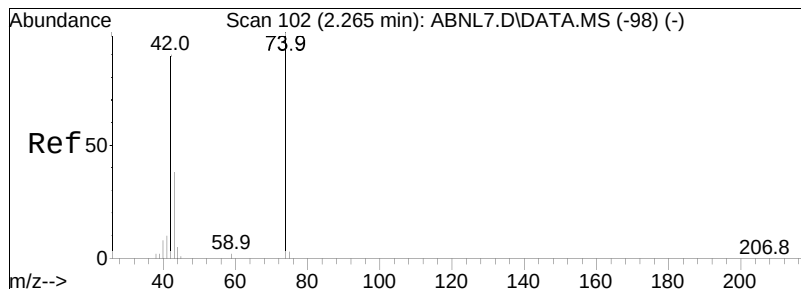
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250929RVT\
 Data File : ABN0929.D
 Acq On : 29 Sep 2025 12:24 pm
 Operator : SV107:smz
 Sample : wg2121049-3,32,,ABN 11823 gmr0814B
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 QLast Update : Mon Sep 29 13:18:39 2025
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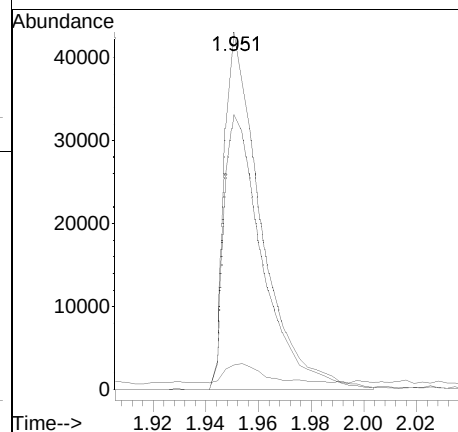
Sub List : ABNical - ABN ical sublist

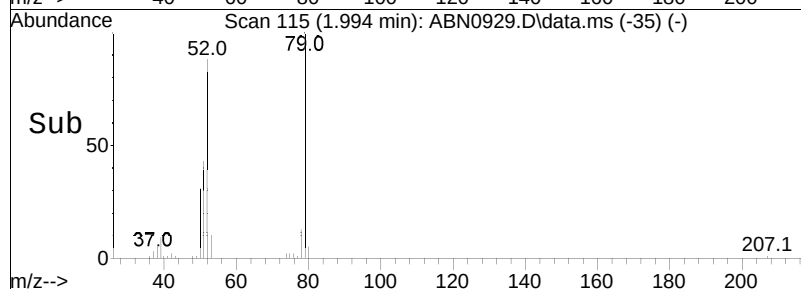
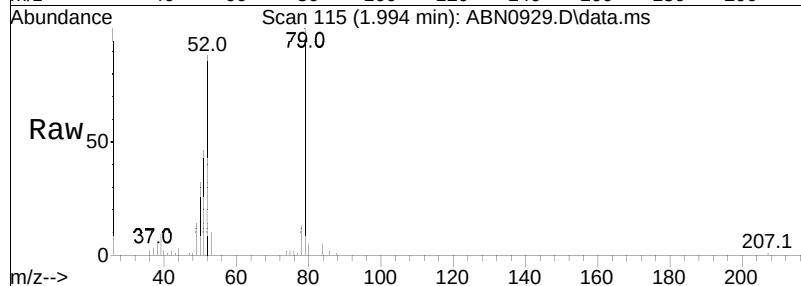
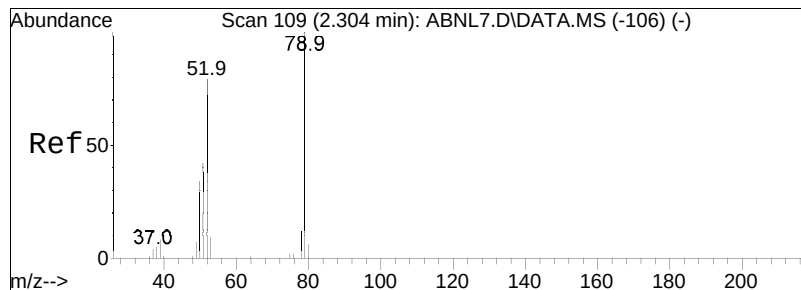




#2
 n-Nitrosodimethylamine
 Concen: 5.46 ug/ml
 RT: 1.951 min Scan# 101
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

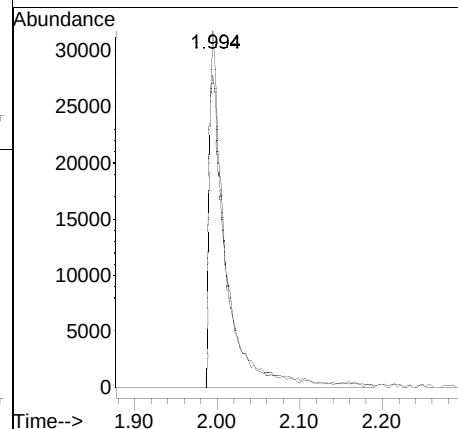
Tgt Ion:	74	Resp:	41621
Ion Ratio	Lower	Upper	
74	100		
42	81.8	100.0	150.0#
44	5.5	6.7	10.1#

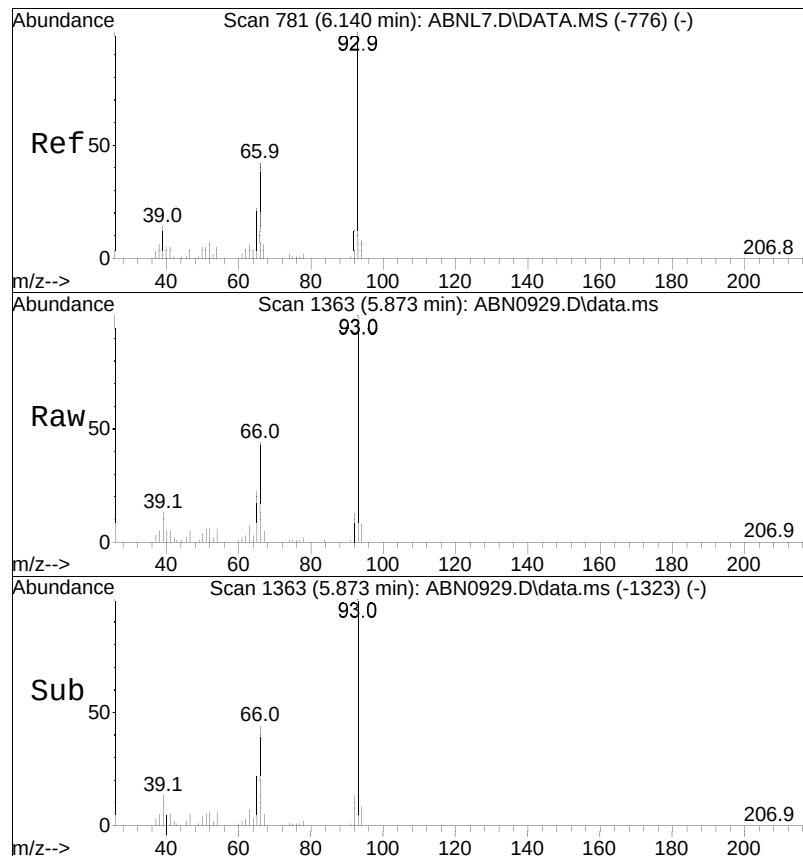




#3
 Pyridine
 Concen: 3.02 ug/ml M1
 RT: 1.994 min Scan# 115
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

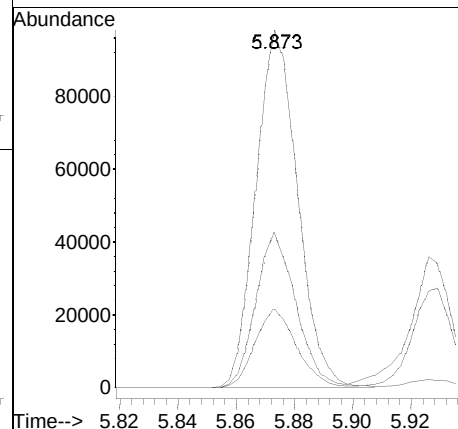
Tgt Ion	Ratio	Lower	Upper
79	100		
52	86.8	93.1	139.7#

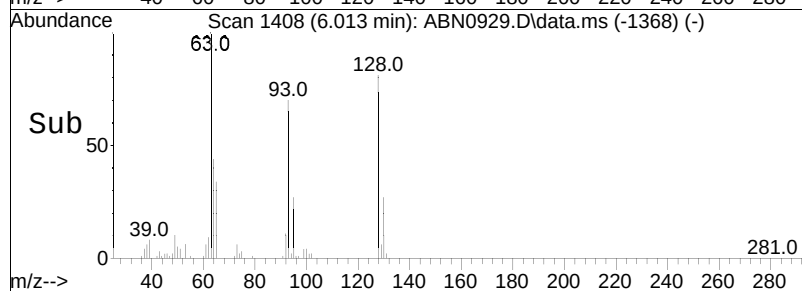
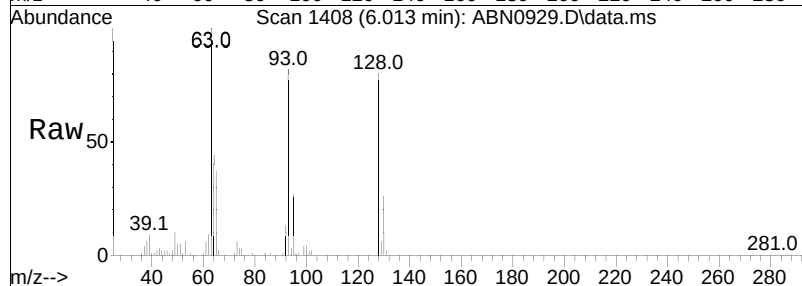
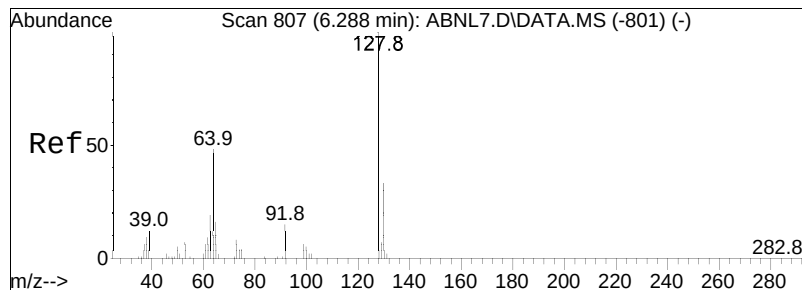




#5
 Aniline
 Concen: 4.97 ug/ml
 RT: 5.873 min Scan# 1363
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

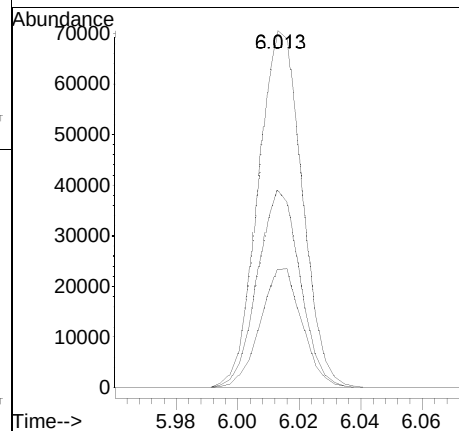
Tgt Ion:	93	Resp:	97163
Ion Ratio	Lower	Upper	
93	100		
66	41.9	32.6	49.0
65	22.0	17.6	26.4

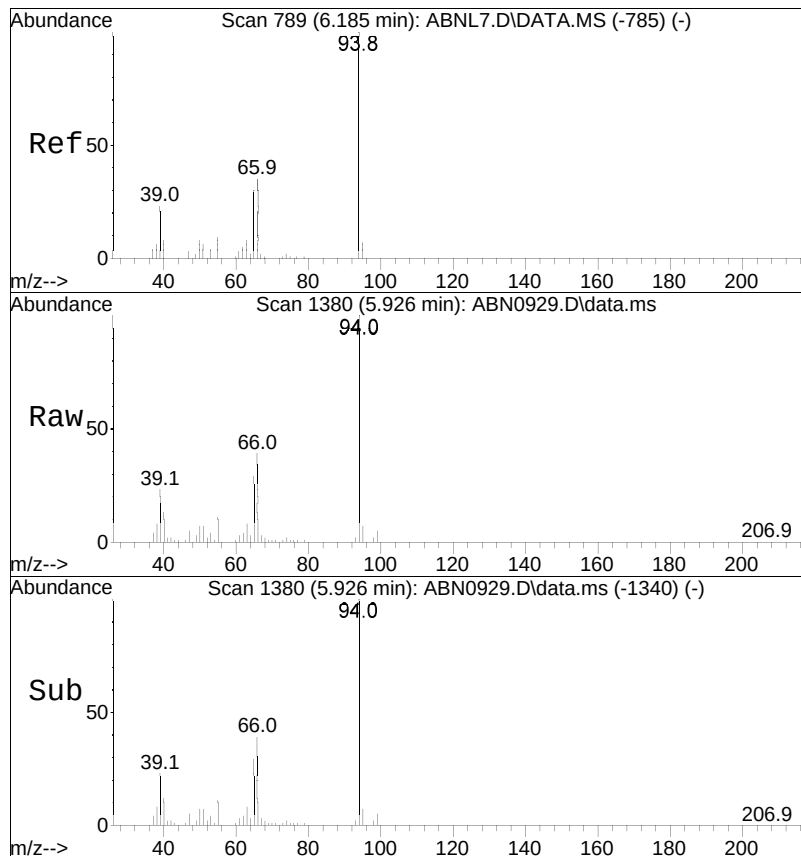




#6
 2-Chlorophenol
 Concen: 4.92 ug/ml
 RT: 6.013 min Scan# 1408
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

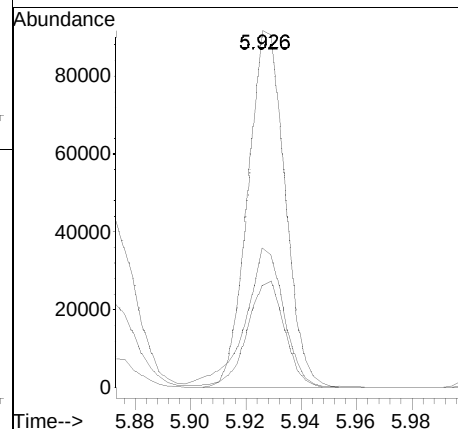
Tgt Ion	Ratio	Lower	Upper
128	100		
64	53.6	45.1	67.7
130	31.8	26.2	39.4

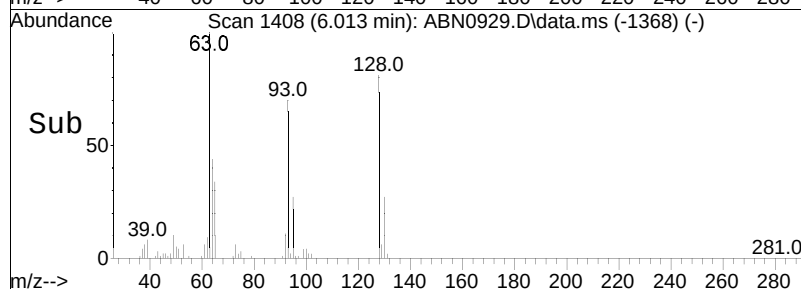
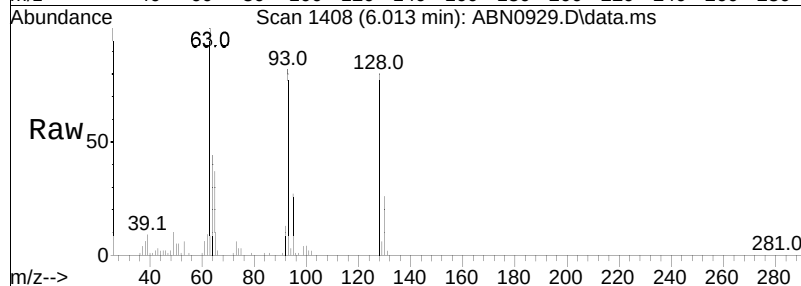
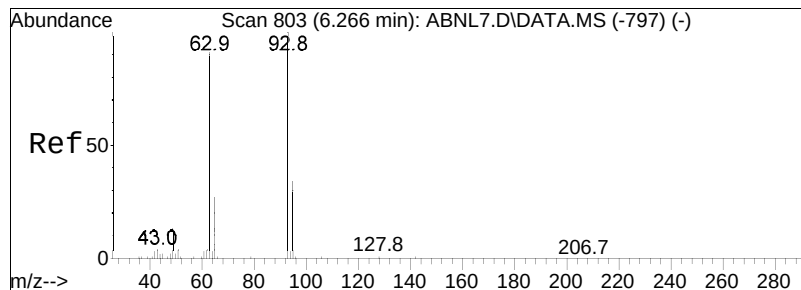




#8
 Phenol
 Concen: 5.24 ug/ml
 RT: 5.926 min Scan# 1380
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

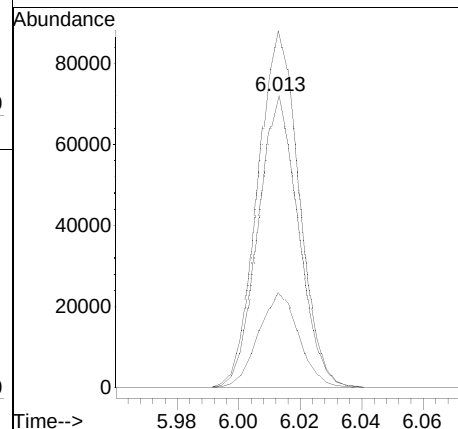
Tgt Ion:	94	Resp:	85567
Ion Ratio	Lower	Upper	
94	100		
65	30.3	26.0	39.0
66	41.4	33.8	50.8

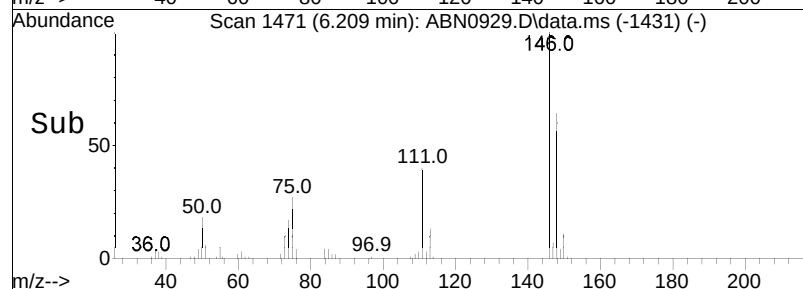
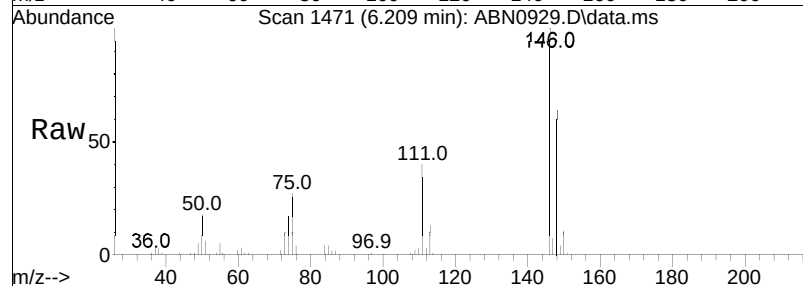
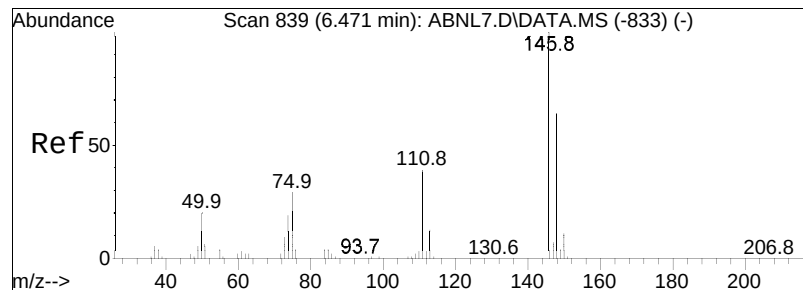




#9
 Bis(2-chloroethyl)ether
 Concen: 4.75 ug/ml
 RT: 6.013 min Scan# 1408
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

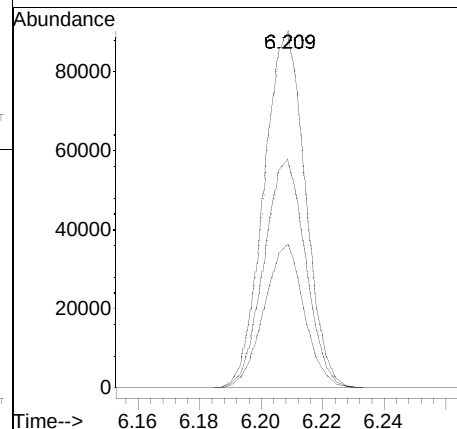
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	65496		
63	125.3		74.6	111.8#
95	32.8		25.9	38.9

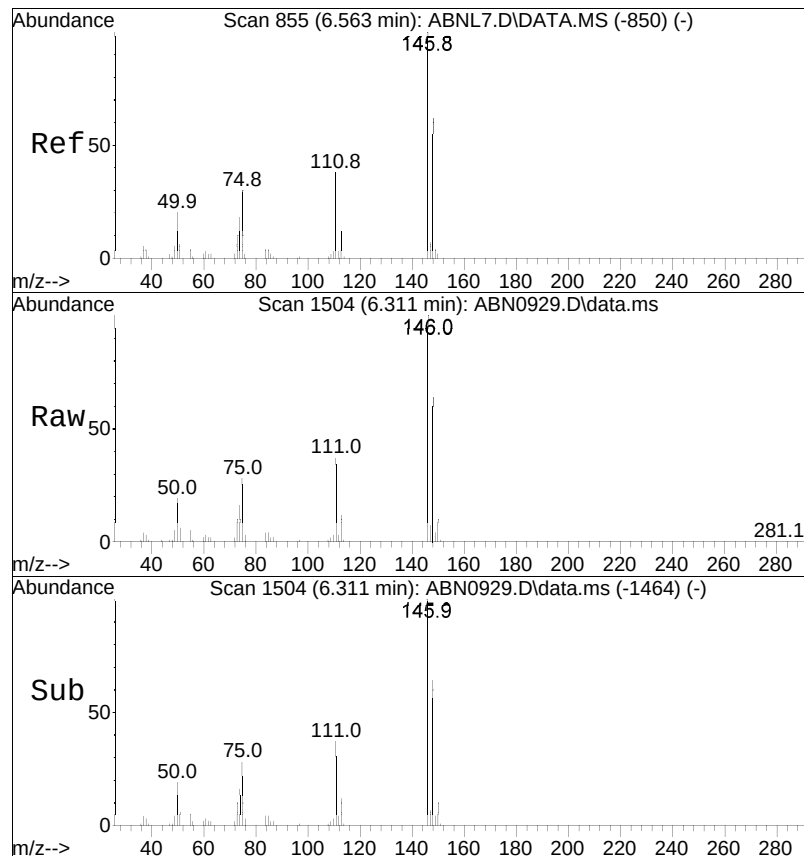




#10
 1,3-Dichlorobenzene
 Concen: 4.65 ug/ml
 RT: 6.209 min Scan# 1471
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

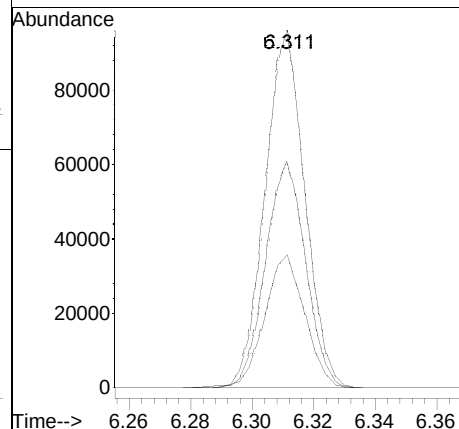
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	34.3	51.5
148	64.5	50.8	76.2

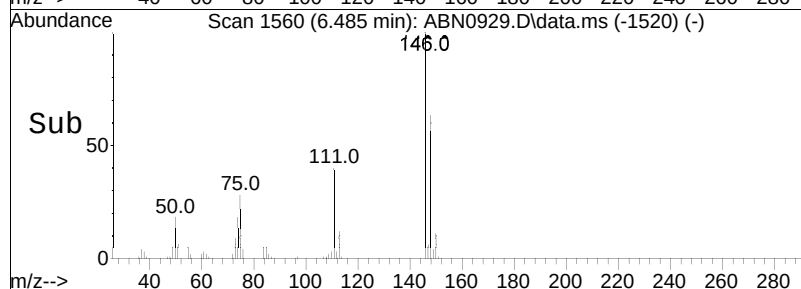
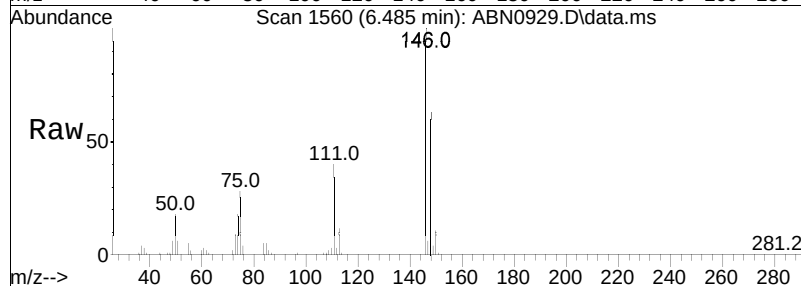
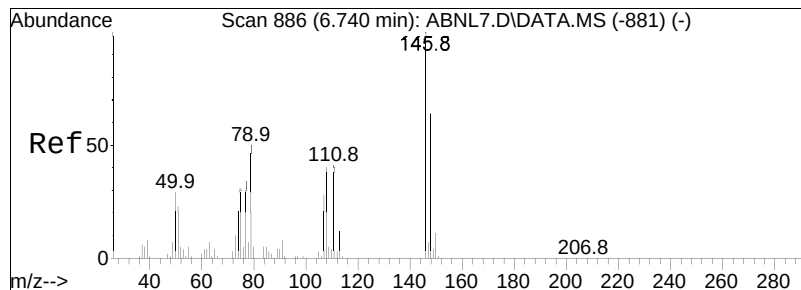




#11
 1,4-Dichlorobenzene
 Concen: 4.65 ug/ml
 RT: 6.311 min Scan# 1504
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

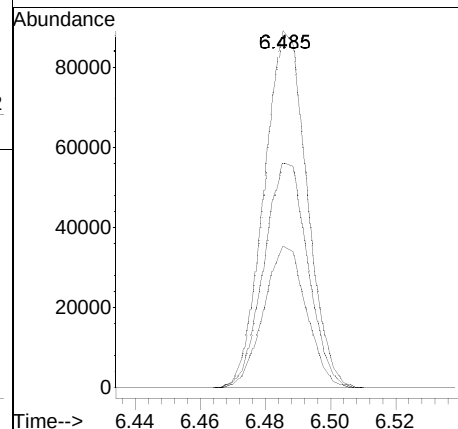
Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.7	76.1
111	38.0	33.4	50.0

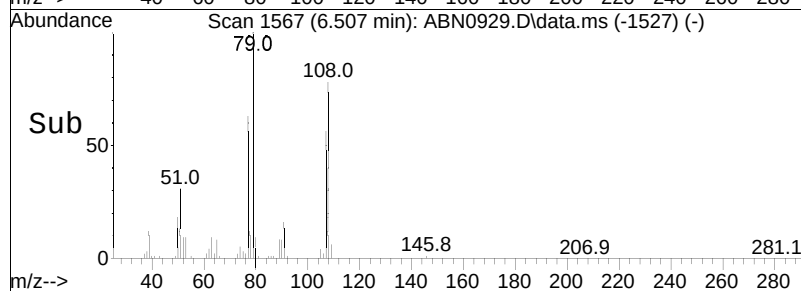
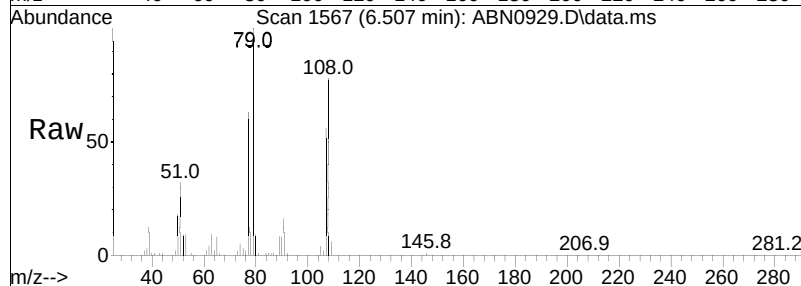
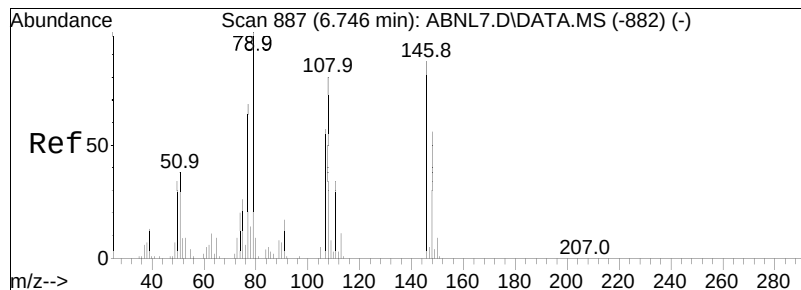




#12
 1,2-Dichlorobenzene
 Concen: 4.59 ug/ml
 RT: 6.485 min Scan# 1560
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

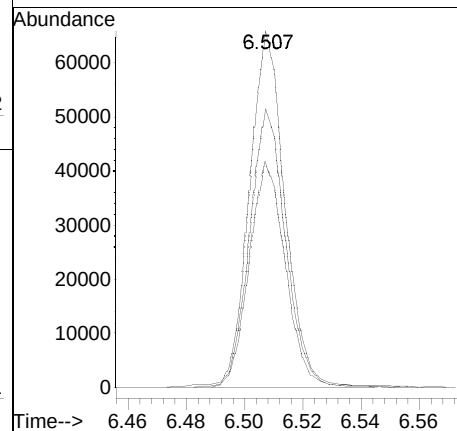
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	34.6	52.0
148	64.2	50.2	75.4

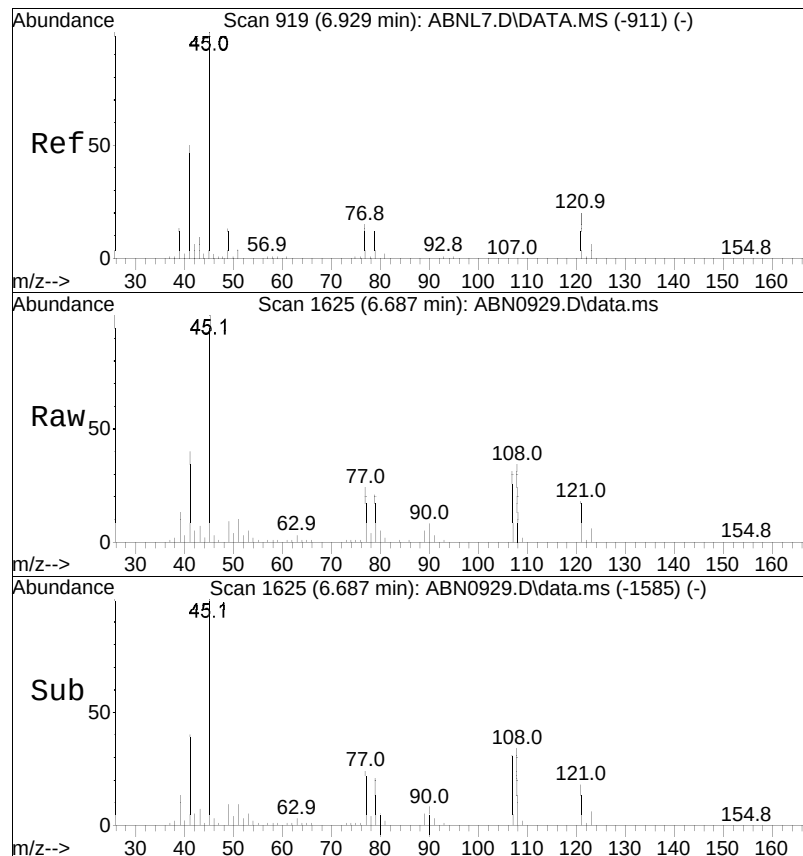




#13
Benzyl alcohol
Concen: 5.16 ug/ml
RT: 6.507 min Scan# 1567
Delta R.T. 0.000 min
Lab File: ABN0929.D
Acq: 29 Sep 2025 12:24 pm

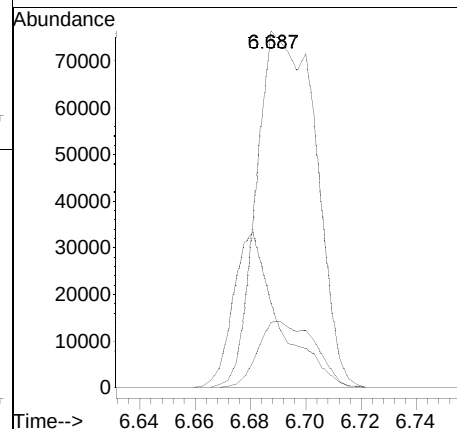
Tgt Ion	Ratio	Lower	Upper
79	100		
77	65.2	54.9	82.3
108	80.0	63.1	94.7

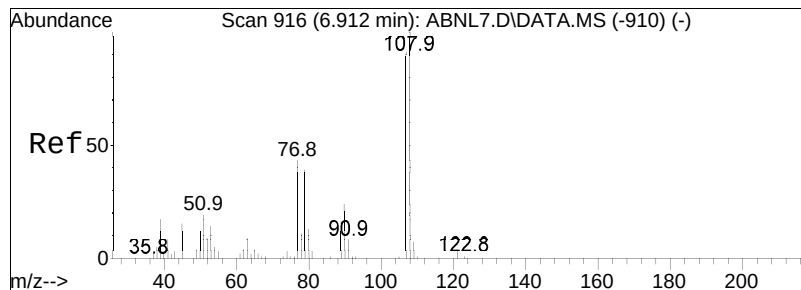




#14
 Bis(2-chloroisopropyl)ether
 Concen: 5.21 ug/ml
 RT: 6.687 min Scan# 1625
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

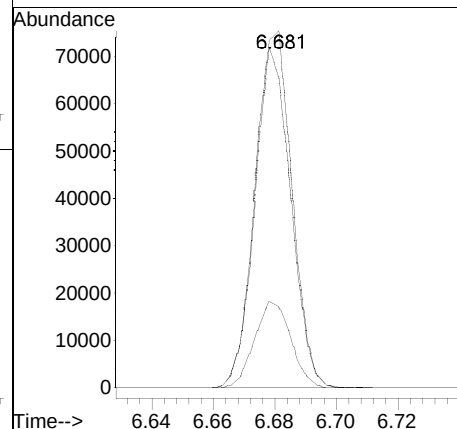
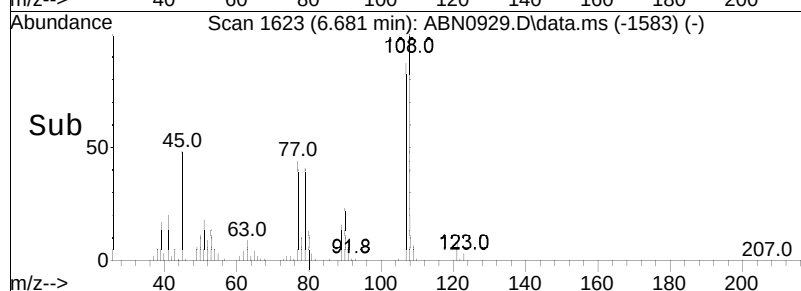
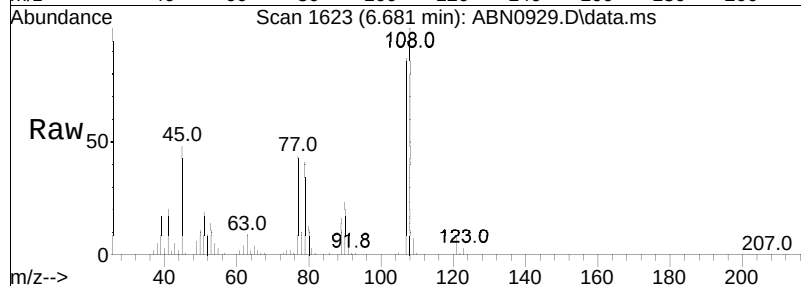
Tgt Ion	Ratio	Lower	Upper
45	100		
121	17.9	9.8	14.6#
77	33.9	6.1	9.1#

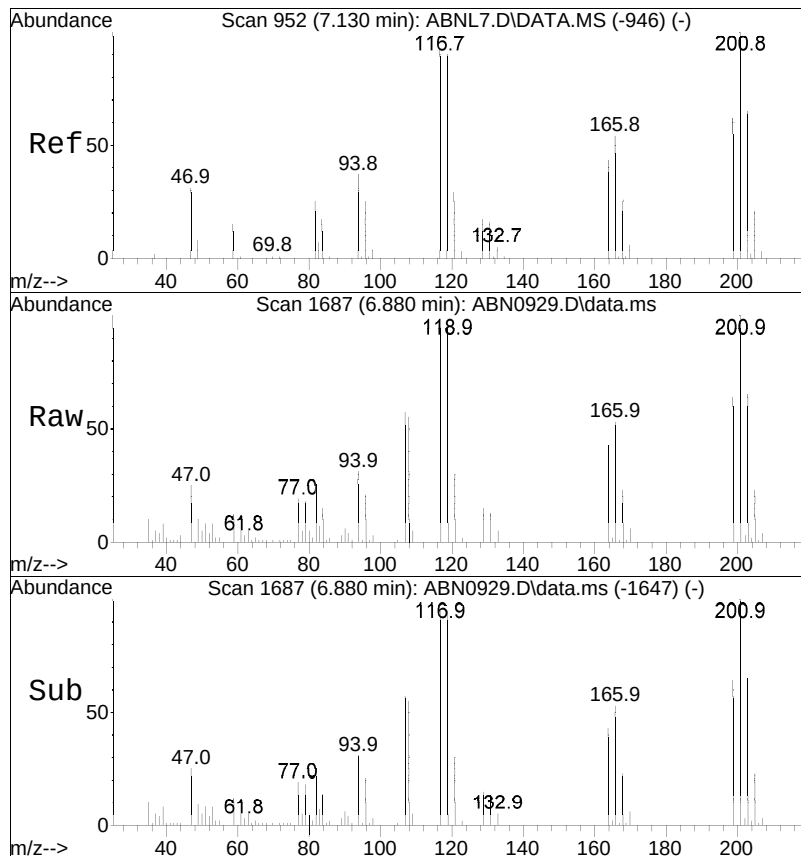




#15
 2-Methylphenol
 Concen: 5.23 ug/ml
 RT: 6.681 min Scan# 1623
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

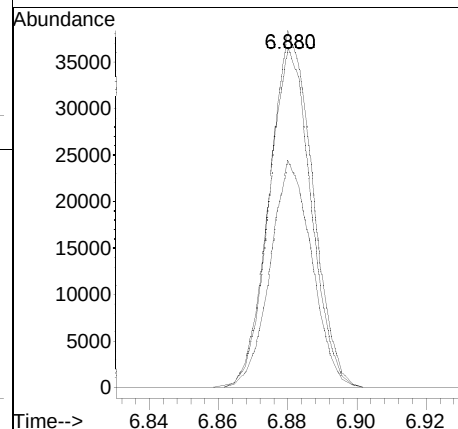
Tgt Ion	Ratio	Lower	Upper
108	100		
107	92.3	70.7	106.1
90	23.9	18.7	28.1

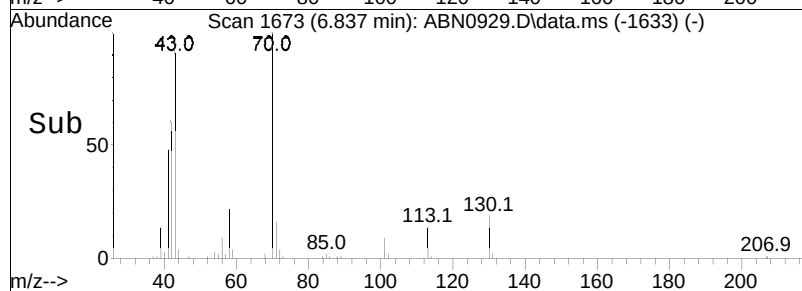
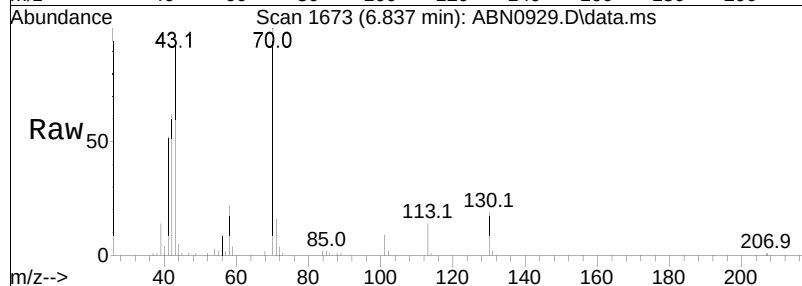
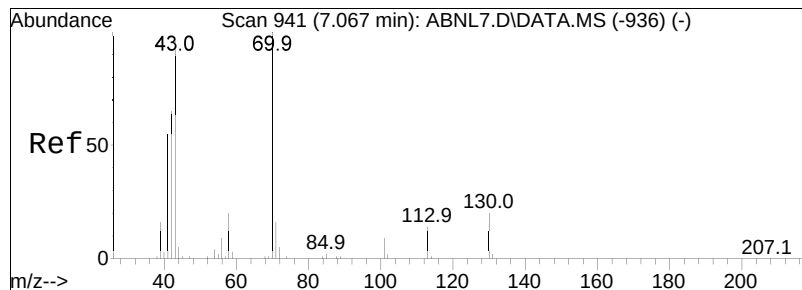




#16
 Hexachloroethane
 Concen: 4.57 ug/ml
 RT: 6.880 min Scan# 1687
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

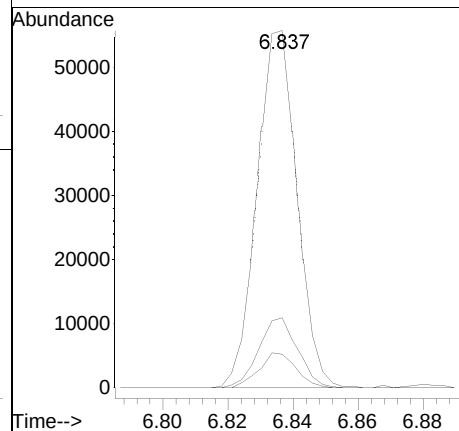
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	30905		
201	106.3		58.6	87.8#
199	65.9		36.9	55.3#

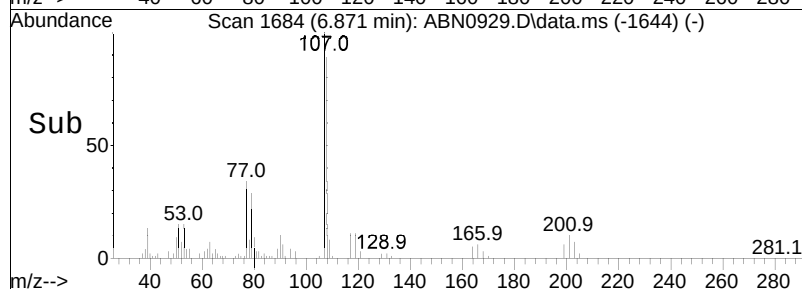
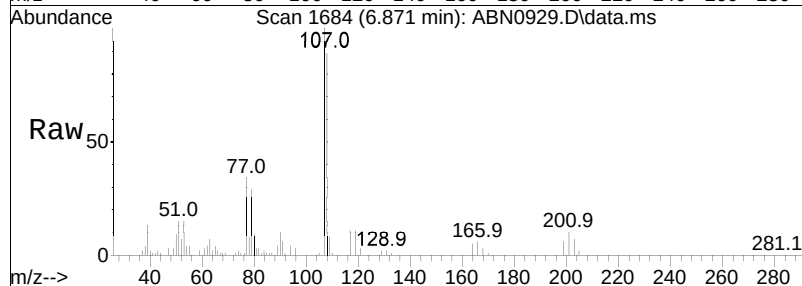
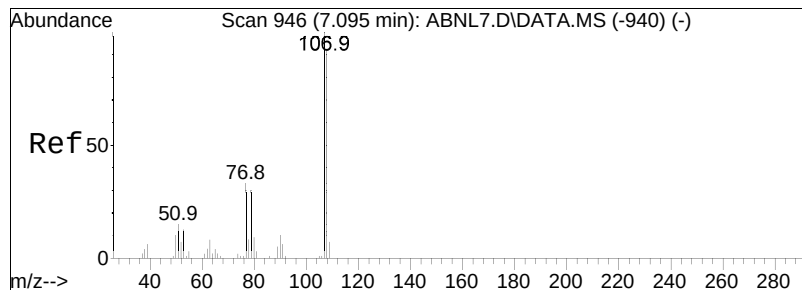




#17
 n-Nitrosodi-n-propylamine
 Concen: 4.97 ug/ml
 RT: 6.837 min Scan# 1673
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

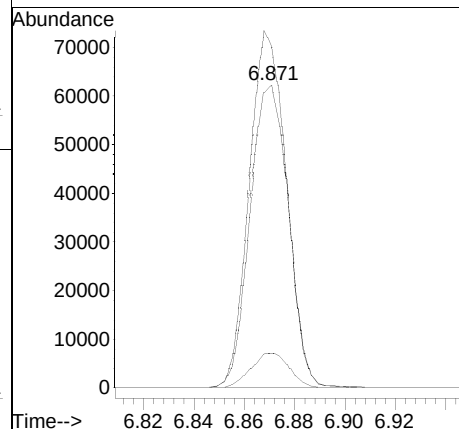
Tgt Ion	Ratio	Lower	Upper
70	100		
130	19.0	18.2	27.4
101	9.0	7.8	11.8

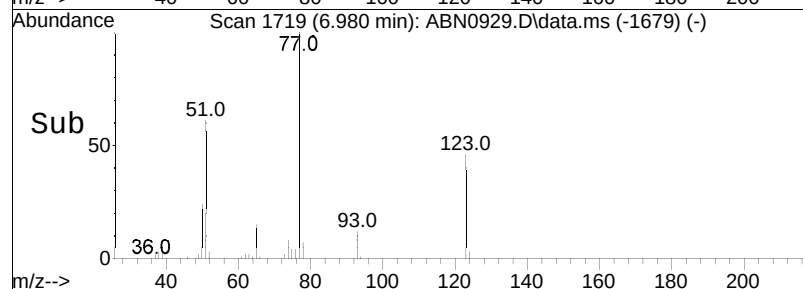
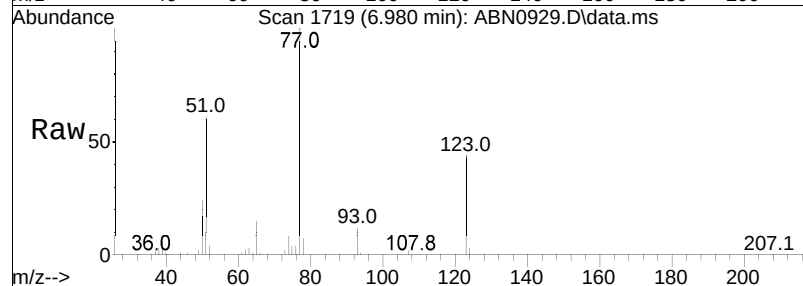
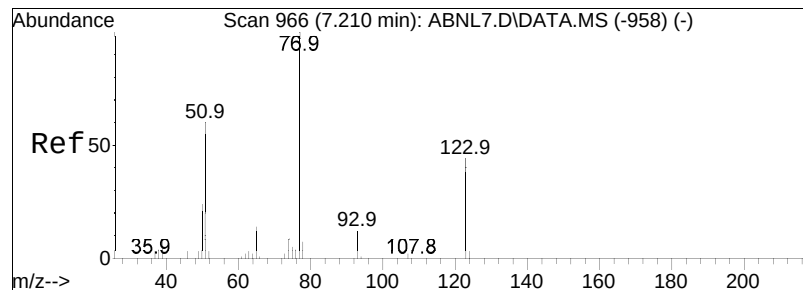




#18
 3-Methylphenol/4-Methylphenol
 Concen: 5.16 ug/ml
 RT: 6.871 min Scan# 1684
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

Tgt Ion	Ratio	Lower	Upper
108	100		
107	114.6	88.6	132.8
90	11.3	8.8	13.2





#20

Nitrobenzene

Concen: 5.31 ug/ml

RT: 6.980 min Scan# 1719

Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

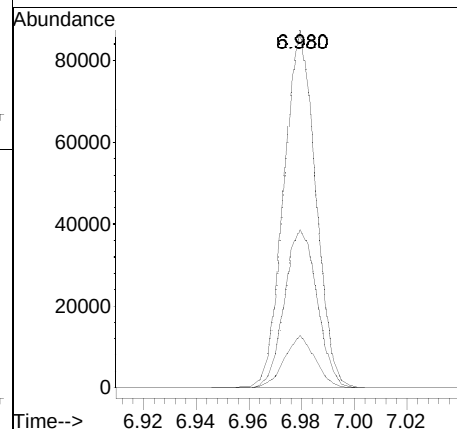
Tgt Ion: 77 Resp: 72991

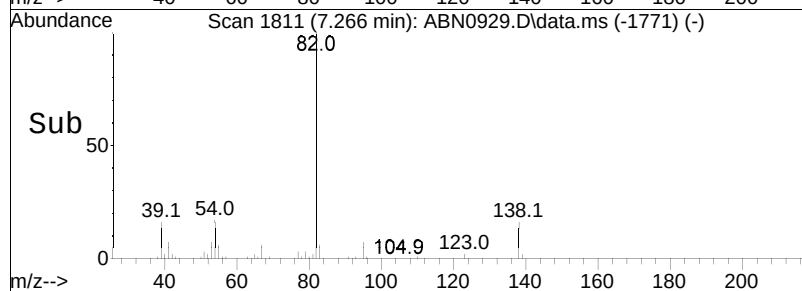
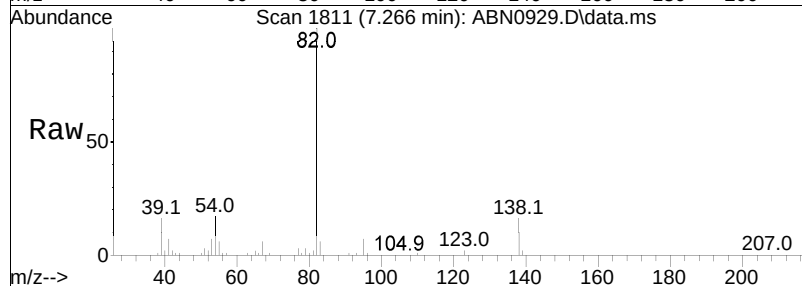
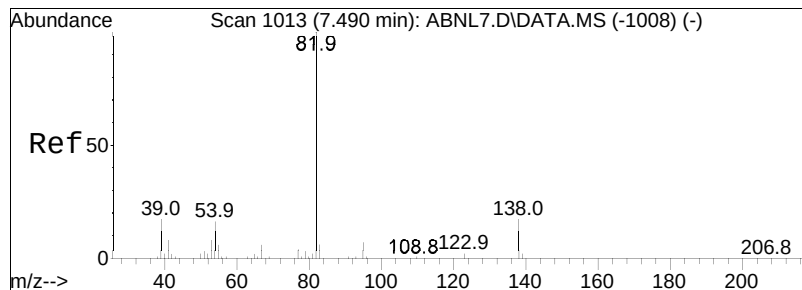
Ion Ratio Lower Upper

77 100

123 45.4 36.3 54.5

65 14.3 11.6 17.4





#21

Isophorone

Concen: 5.06 ug/ml

RT: 7.266 min Scan# 1811

Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

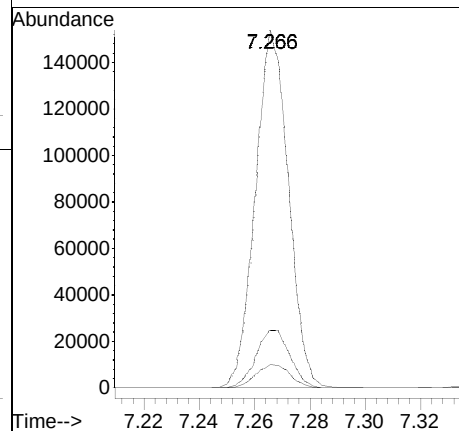
Tgt Ion: 82 Resp: 126312

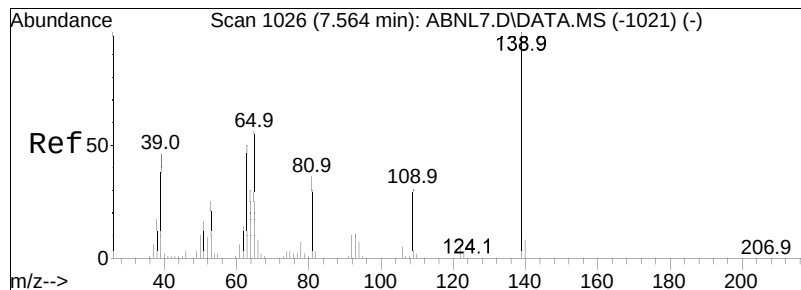
Ion Ratio Lower Upper

82 100

138 16.6 14.7 22.1

95 6.8 5.2 7.8





#22

2-Nitrophenol

Concen: 6.21 ug/ml

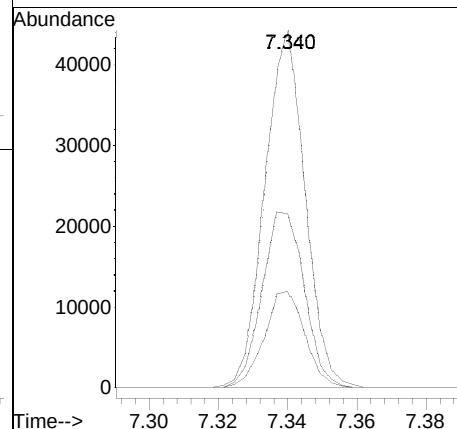
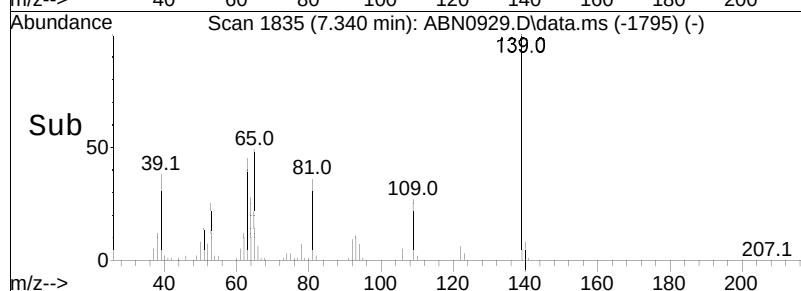
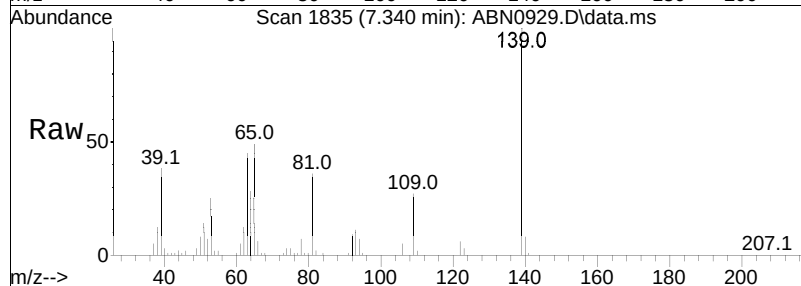
RT: 7.340 min Scan# 1835

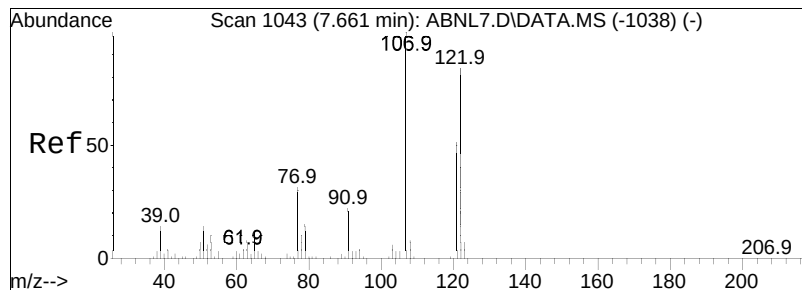
Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

Tgt Ion:	139	Resp:	35524
Ion Ratio	Lower	Upper	
139	100		
109	27.4	19.4	29.0
65	51.8	46.1	69.1





#23

2,4-Dimethylphenol

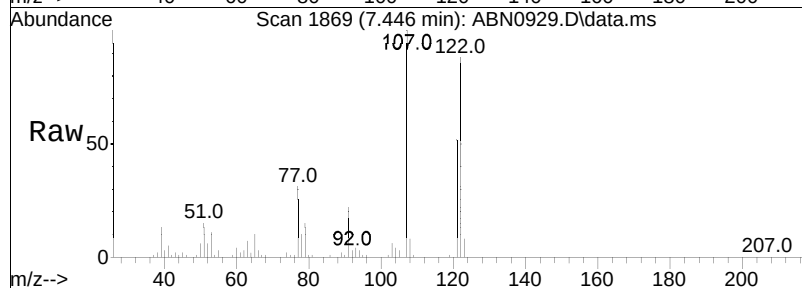
Concen: 5.18 ug/ml

RT: 7.446 min Scan# 1869

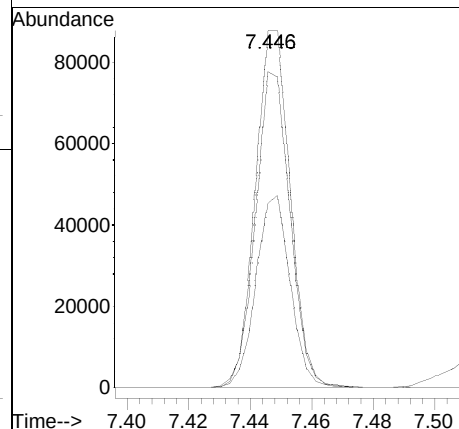
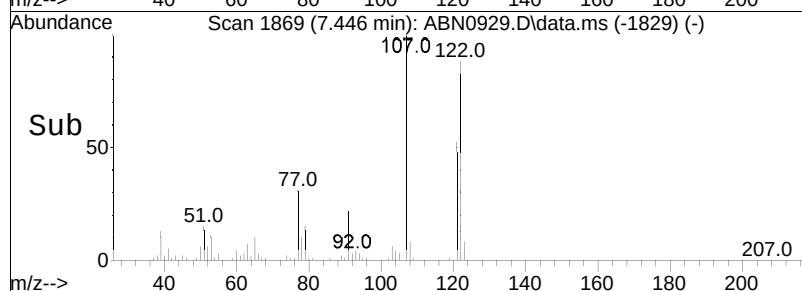
Delta R.T. 0.000 min

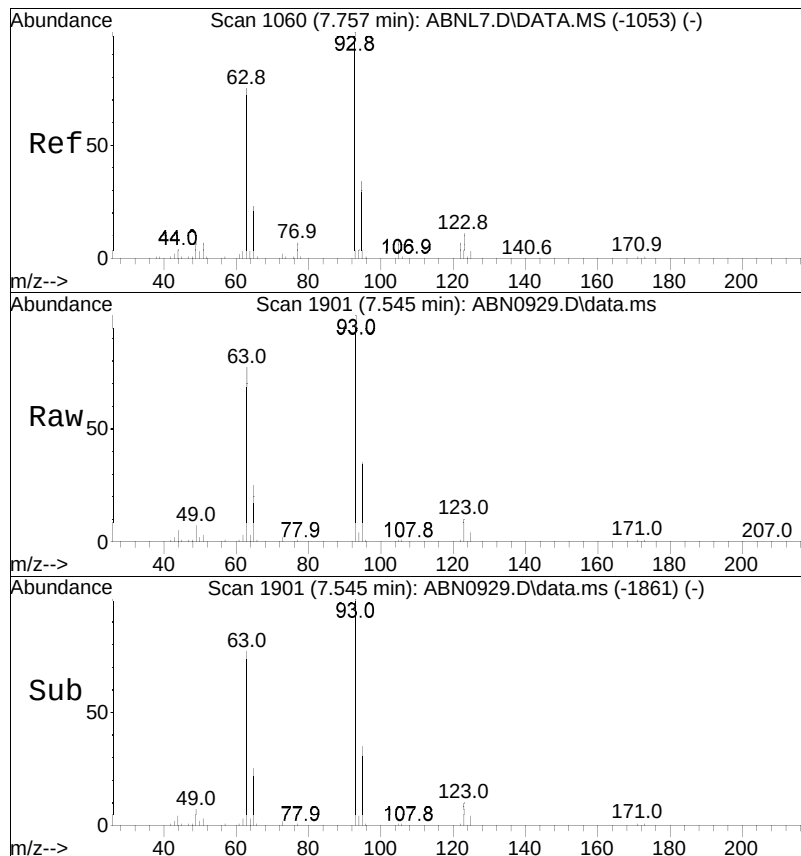
Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm



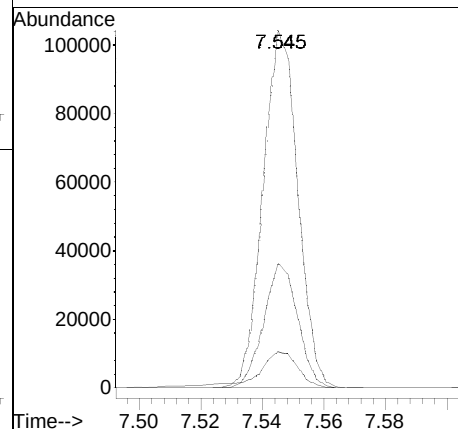
Tgt Ion:	107	Resp:	69092
Ion Ratio	Lower	Upper	
107	100		
121	52.8	40.0	60.0
122	87.1	70.2	105.4

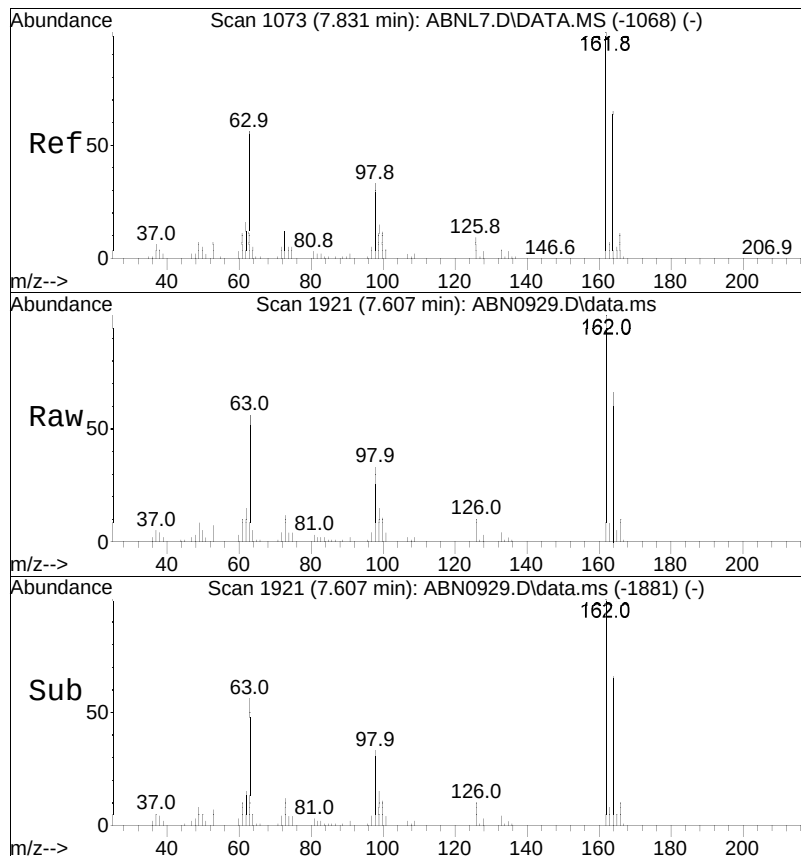




#24
 Bis(2-chloroethoxy)methane
 Concen: 4.84 ug/ml
 RT: 7.545 min Scan# 1901
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

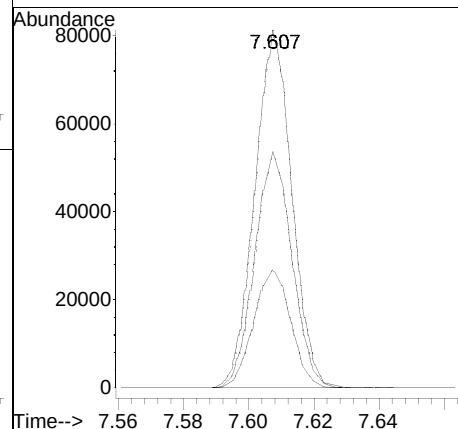
Tgt Ion:	93	Resp:	81162
Ion Ratio	Lower	Upper	
93	100		
95	34.0	25.8	38.8
123	12.2	10.1	15.1

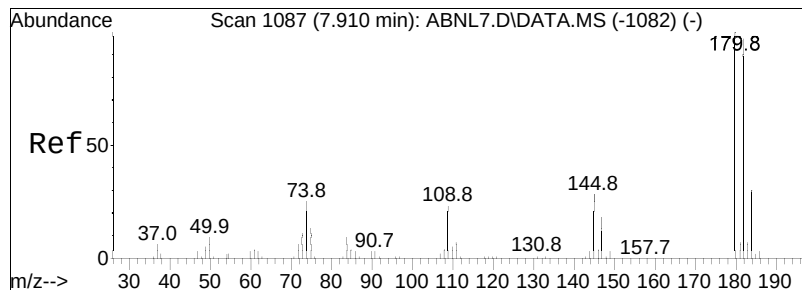




#25
 2,4-Dichlorophenol
 Concen: 4.95 ug/ml
 RT: 7.607 min Scan# 1921
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

Tgt Ion:	162	Resp:	63611
Ion Ratio	Lower	Upper	
162	100		
164	66.4	51.0	76.4
98	33.2	32.2	48.2





#26

1,2,4-Trichlorobenzene

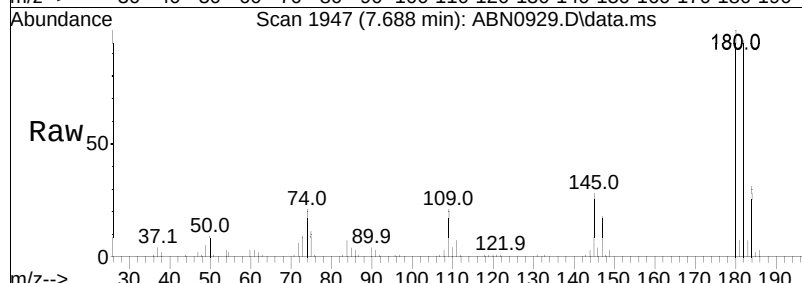
Concen: 4.39 ug/ml

RT: 7.688 min Scan# 1947

Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm



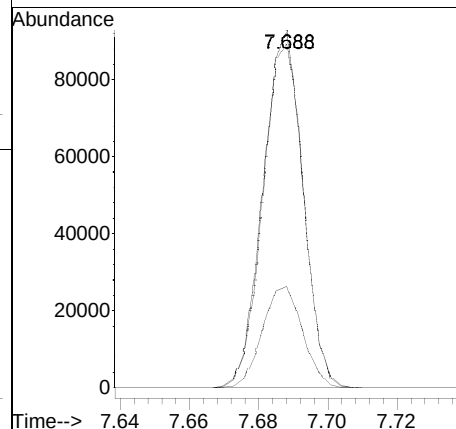
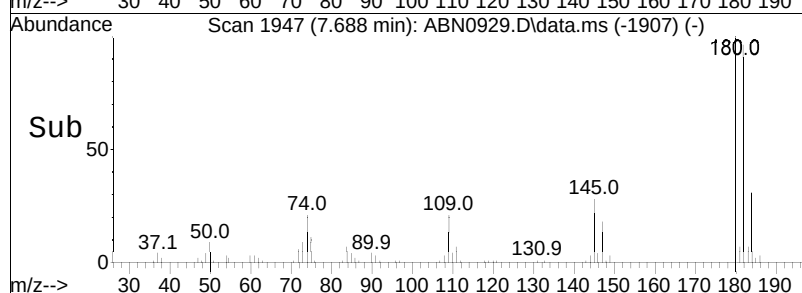
Tgt Ion:180 Resp: 73482

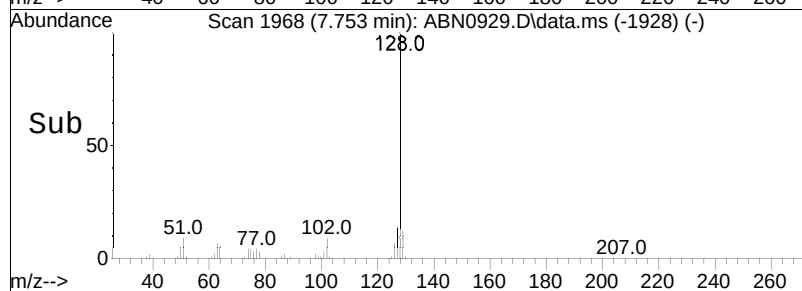
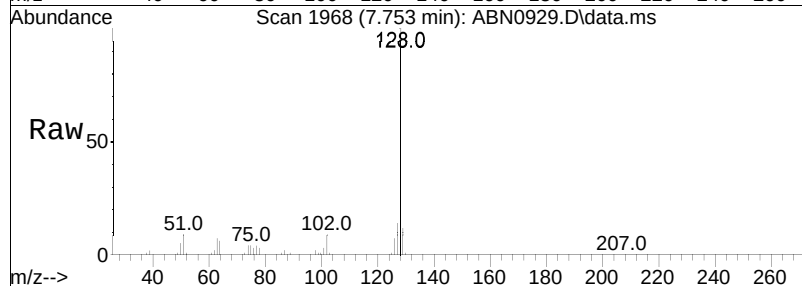
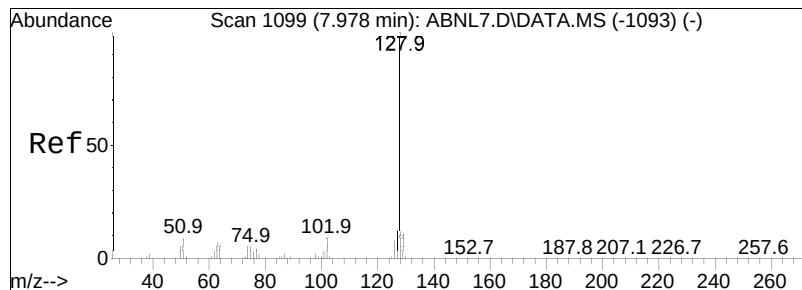
Ion Ratio Lower Upper

180 100

182 98.0 76.0 114.0

145 28.9 25.7 38.5





#36

Naphthalene

Concen: 4.61 ug/ml

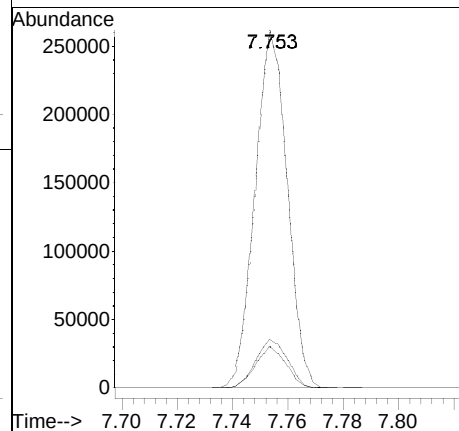
RT: 7.753 min Scan# 1968

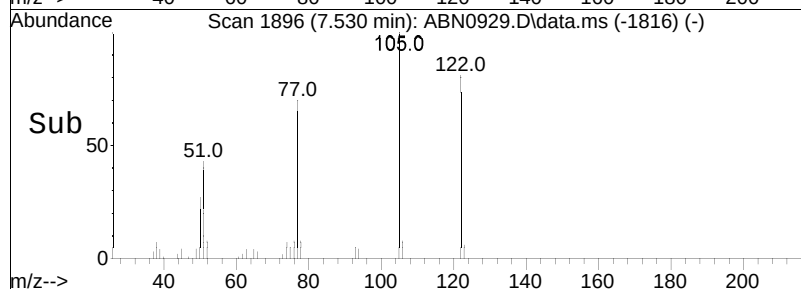
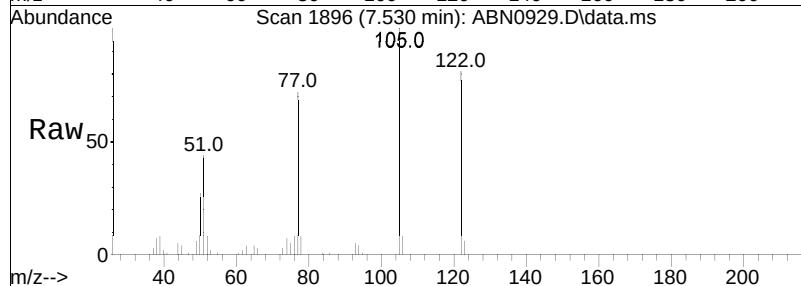
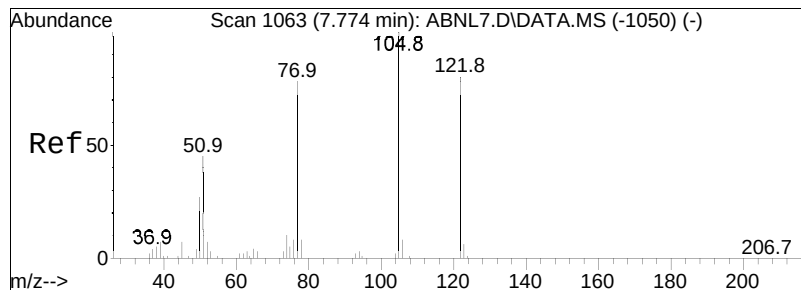
Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

Tgt Ion:	128	Resp:	208800
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.7	13.1
127	13.6	10.3	15.5





#37

Benzoic Acid

Concen: 4.09 ug/ml

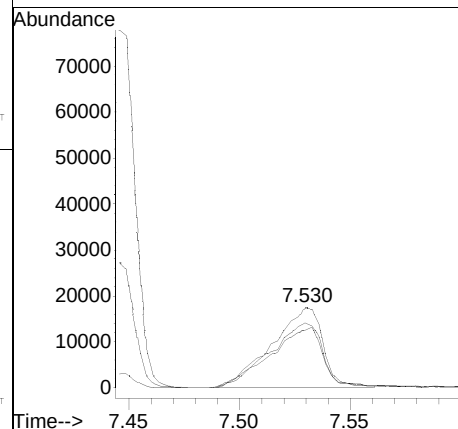
RT: 7.530 min Scan# 1896

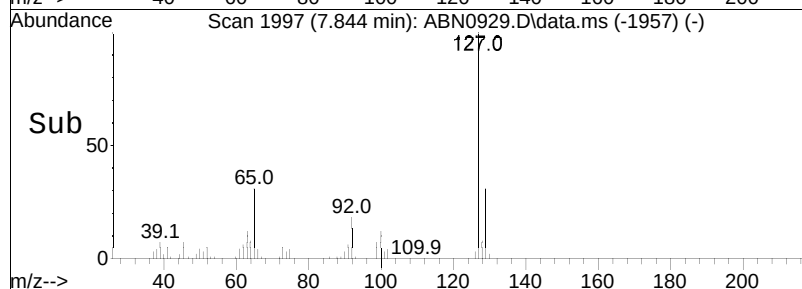
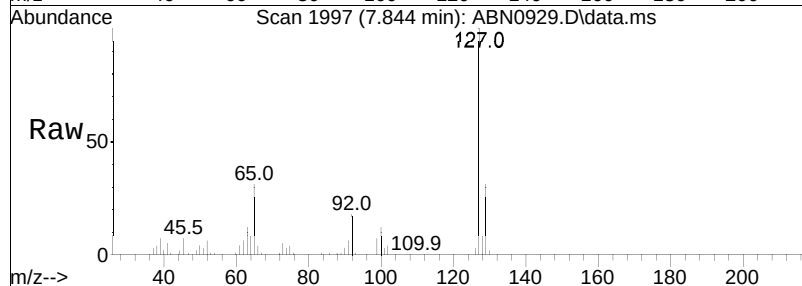
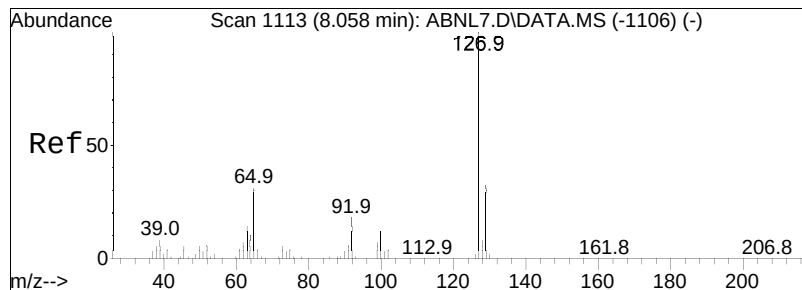
Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

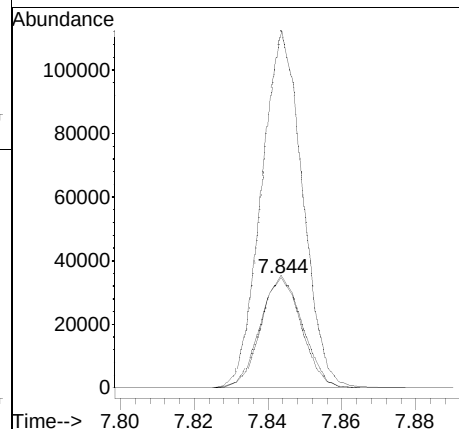
Tgt Ion:	105	Resp:	28457
Ion Ratio	Lower	Upper	
105	100		
122	85.1	59.9	89.9
77	78.3	60.1	90.1

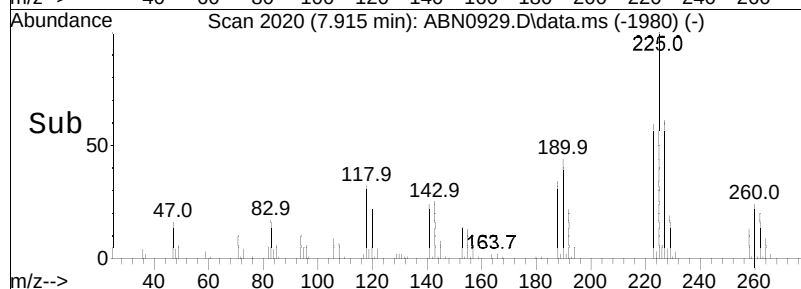
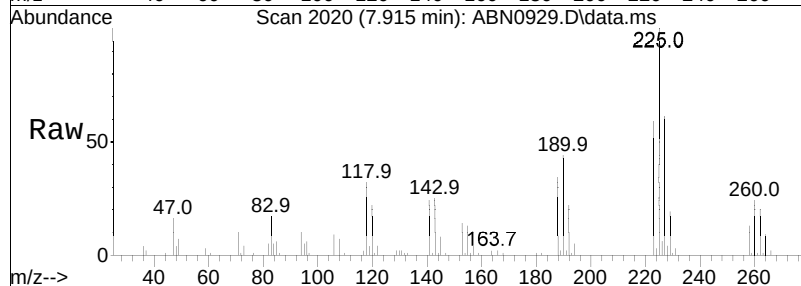
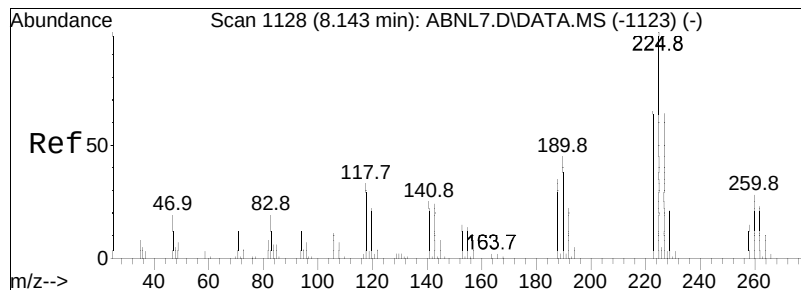




#38
 4-Chloroaniline
 Concen: 5.24 ug/ml
 RT: 7.844 min Scan# 1997
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

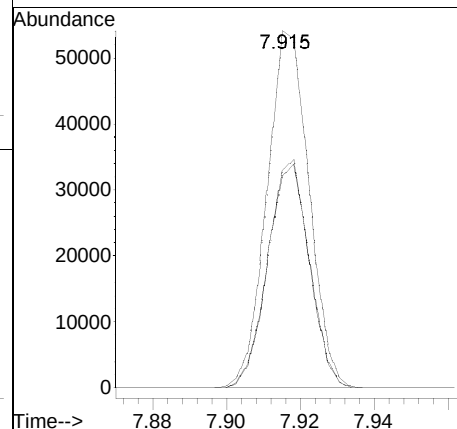
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	26945		
127	319.6		237.6	356.4
129	101.3		76.3	114.5

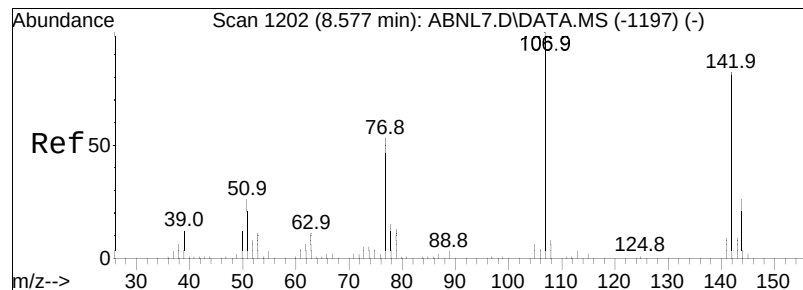




#39
 Hexachlorobutadiene
 Concen: 4.30 ug/ml
 RT: 7.915 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

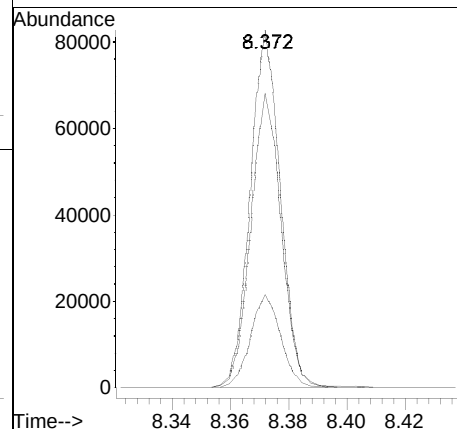
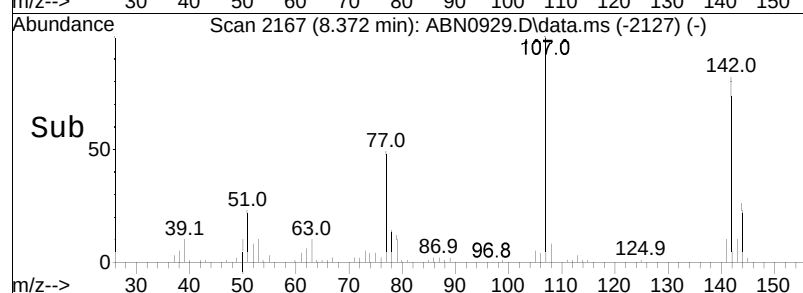
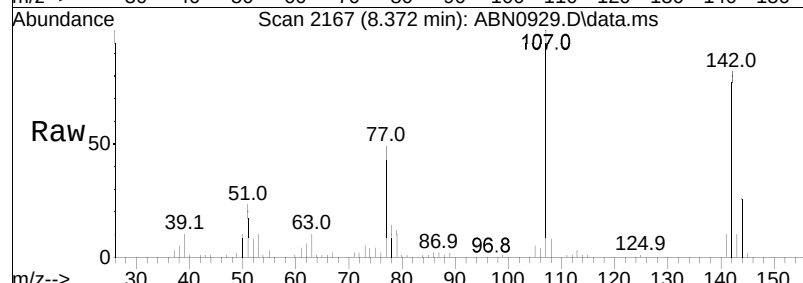
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42700		
223	62.9		50.3	75.5
227	63.0		52.2	78.2

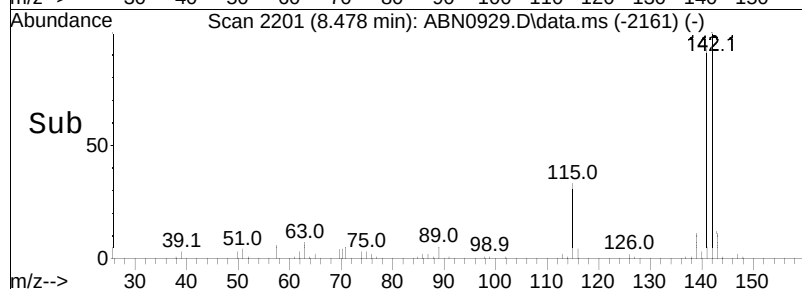
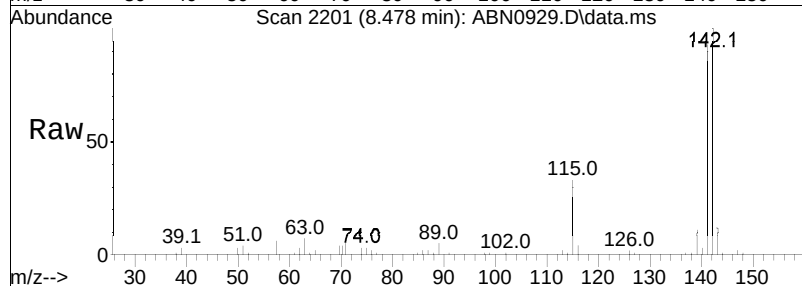
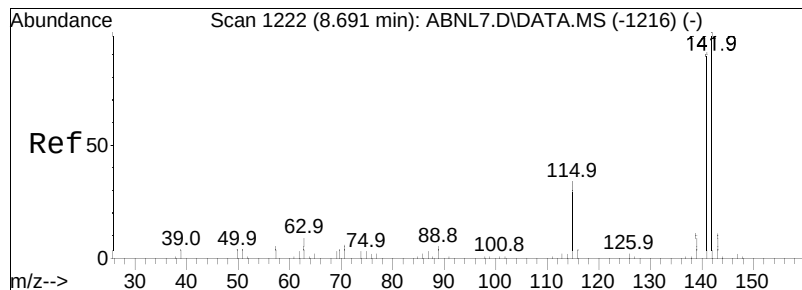




#40
 p-Chloro-m-cresol
 Concen: 5.37 ug/ml
 RT: 8.372 min Scan# 2167
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

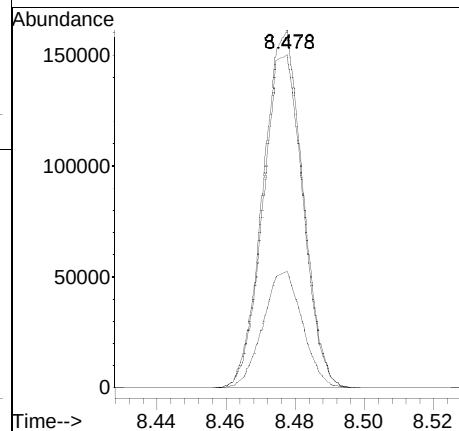
Tgt Ion:	107	Resp:	58882
Ion Ratio	Lower	Upper	
107	100		
144	26.2	20.9	31.3
142	82.7	66.1	99.1

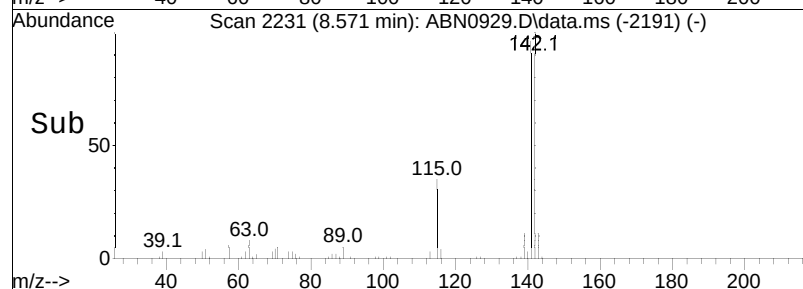
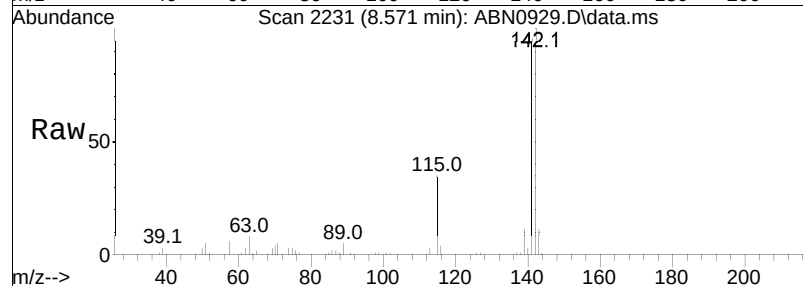
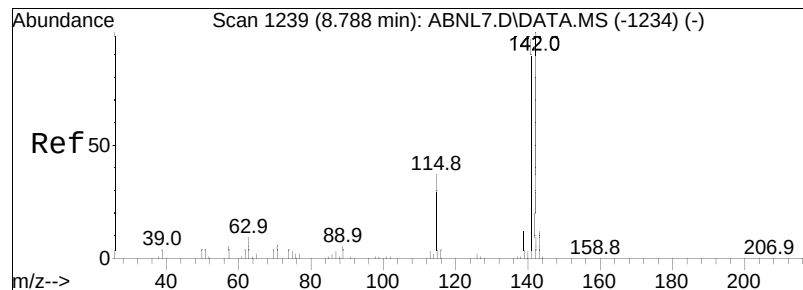




#41
 2-Methylnaphthalene
 Concen: 4.68 ug/ml
 RT: 8.478 min Scan# 2201
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

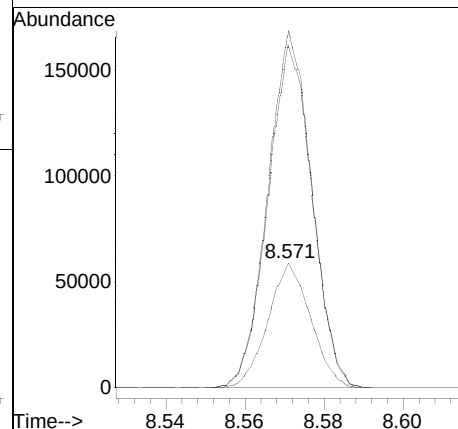
Tgt Ion:	142	Resp:	127140
Ion Ratio	Lower	Upper	
142	100		
141	93.4	69.6	104.4
115	32.6	26.6	40.0

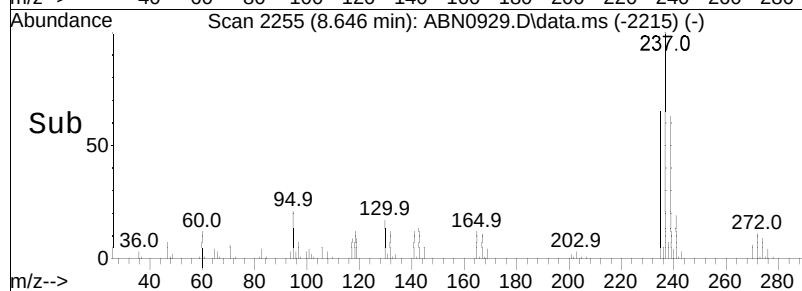
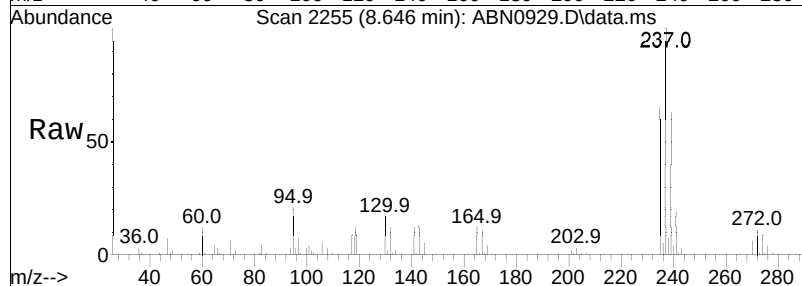
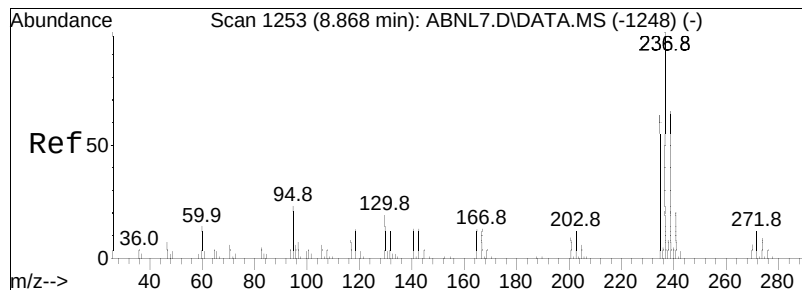




#42
 1-Methylnaphthalene
 Concen: 4.32 ug/ml
 RT: 8.571 min Scan# 2231
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

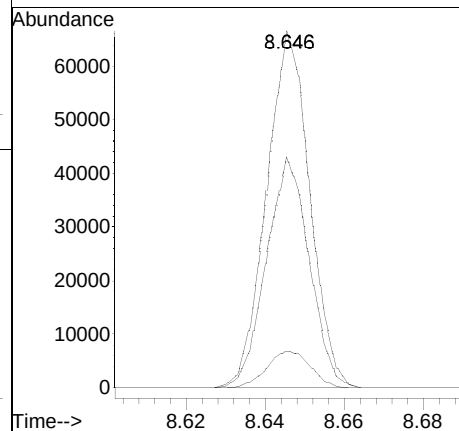
Tgt Ion	Ratio	Lower	Upper
115	100		
141	281.6	207.8	311.6
142	292.7	226.8	340.2

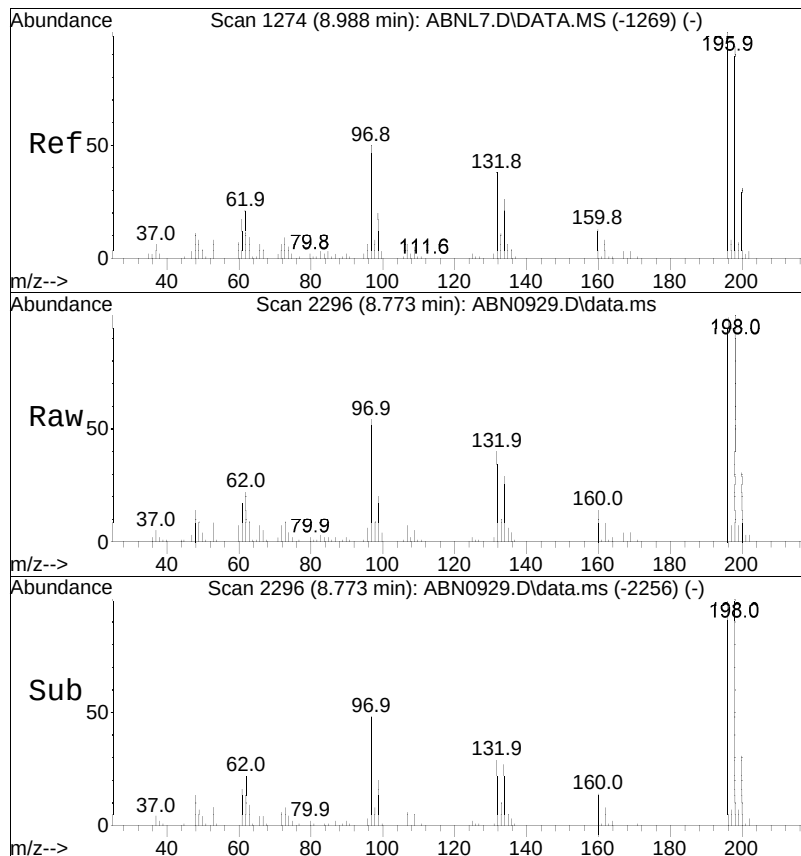




#43
 Hexachlorocyclopentadiene
 Concen: 4.78 ug/ml
 RT: 8.646 min Scan# 2255
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

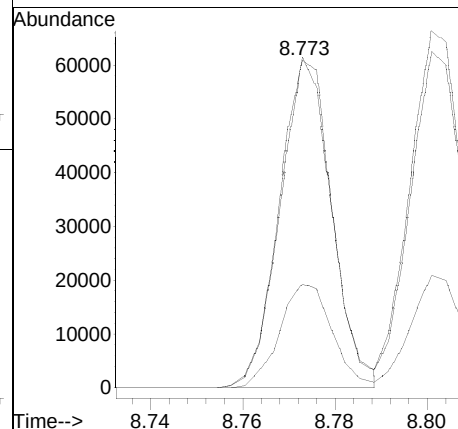
Tgt Ion	Ratio	Lower	Upper
237	100		
235	64.4	49.7	74.5
272	10.5	9.8	14.6

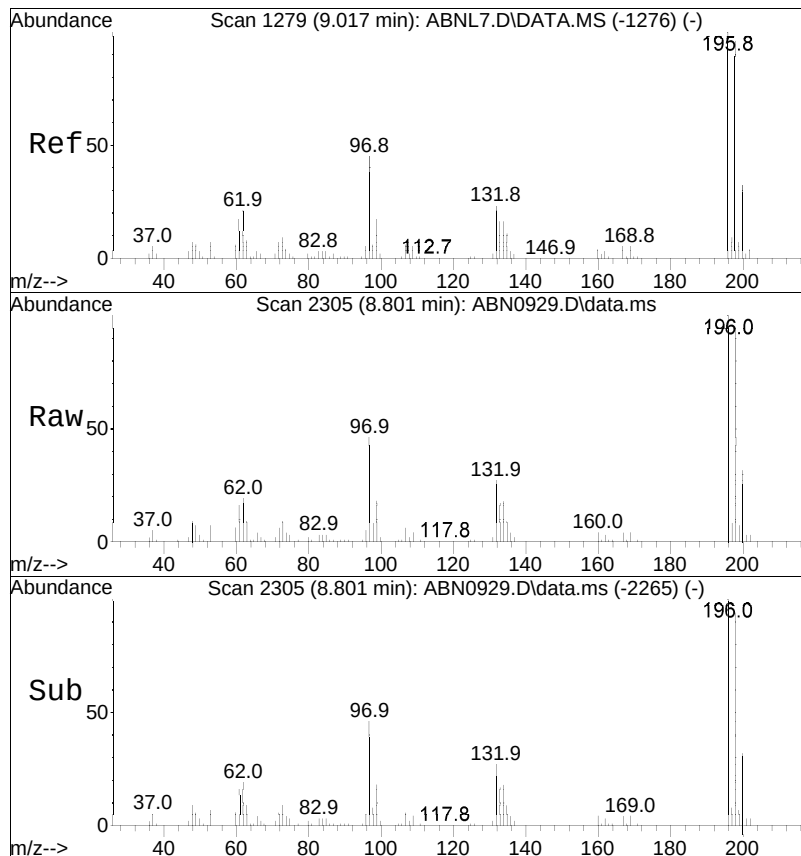




#44
 2,4,6-Trichlorophenol
 Concen: 5.30 ug/ml
 RT: 8.773 min Scan# 2296
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

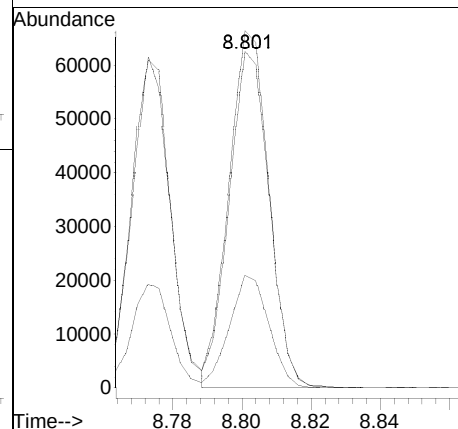
Tgt Ion:	196	Resp:	48830
Ion Ratio	Lower	Upper	
196	100		
198	96.7	77.5	116.3
200	31.3	23.8	35.6

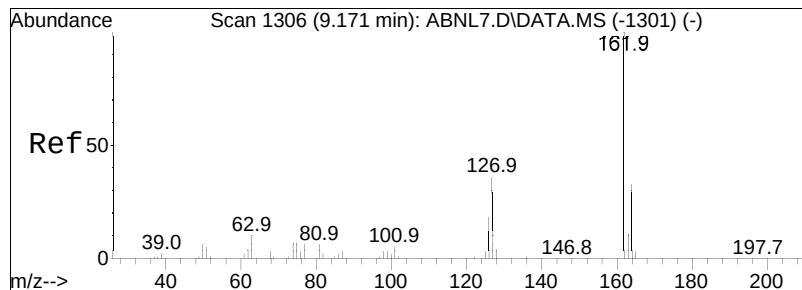




#45
 2,4,5-Trichlorophenol
 Concen: 5.43 ug/ml
 RT: 8.801 min Scan# 2305
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

Tgt Ion:	196	Resp:	53592
Ion Ratio	Lower	Upper	
196	100		
200	31.0	25.4	38.0
198	94.1	78.0	117.0





#47

2-Chloronaphthalene

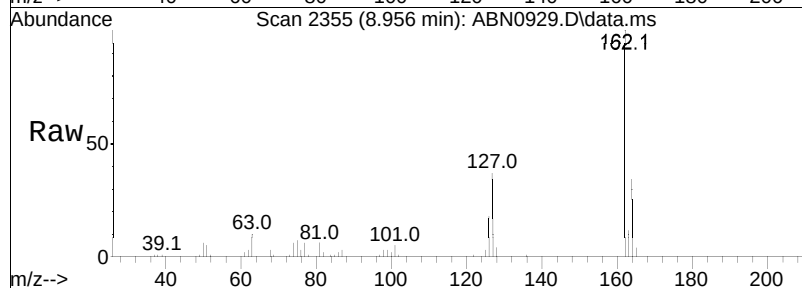
Concen: 4.43 ug/ml

RT: 8.956 min Scan# 2355

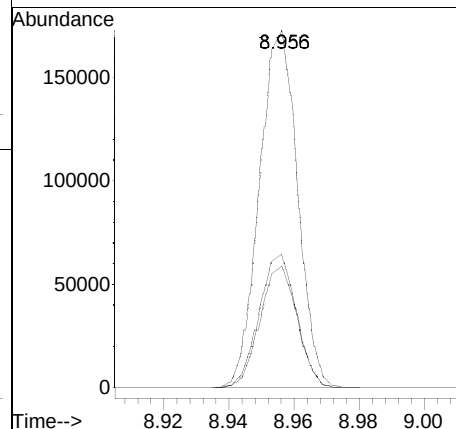
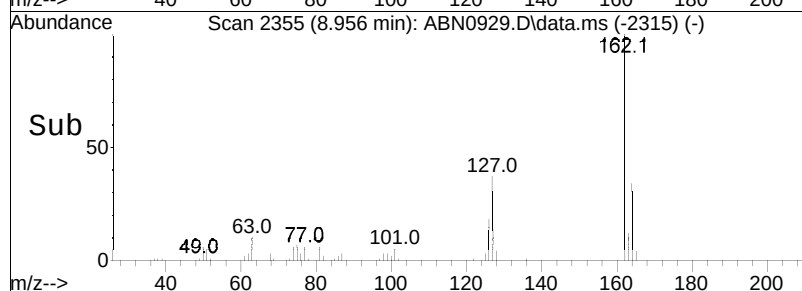
Delta R.T. 0.000 min

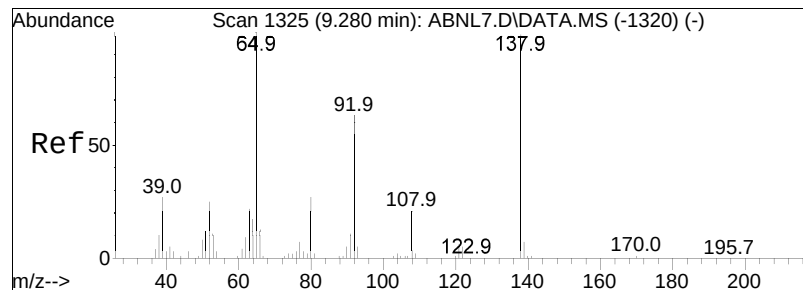
Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm



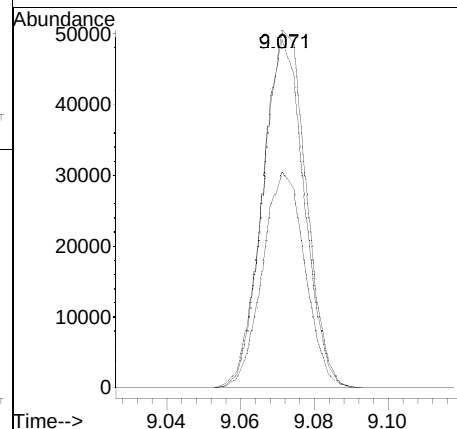
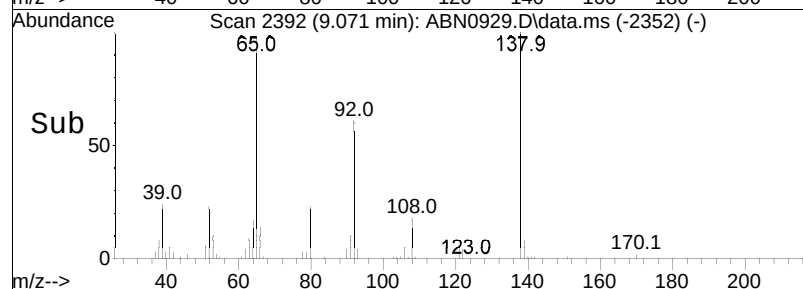
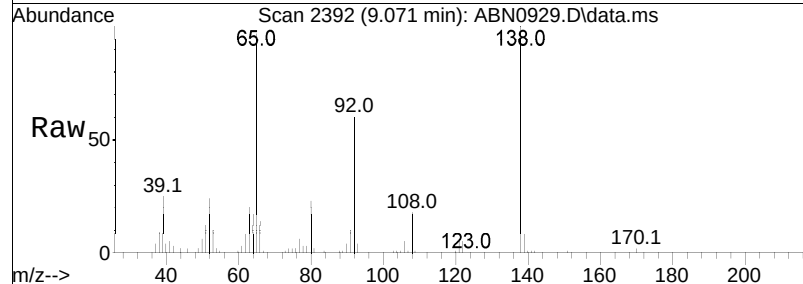
Tgt	Ion:162	Resp:	139426
Ion	Ratio	Lower	Upper
162	100		
127	36.7	32.2	48.4
164	33.3	25.7	38.5

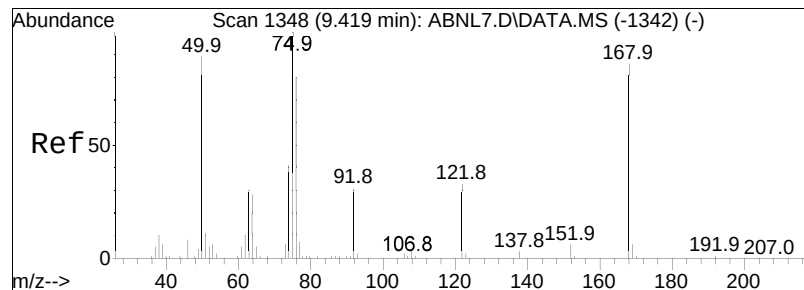




#48
 2-Nitroaniline
 Concen: 5.92 ug/ml
 RT: 9.071 min Scan# 2392
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

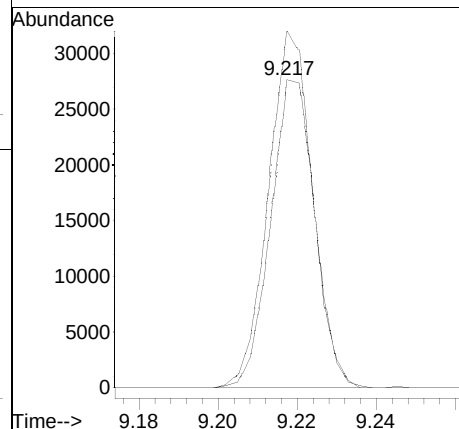
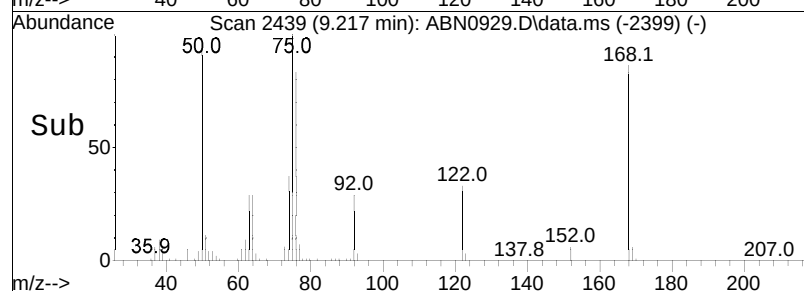
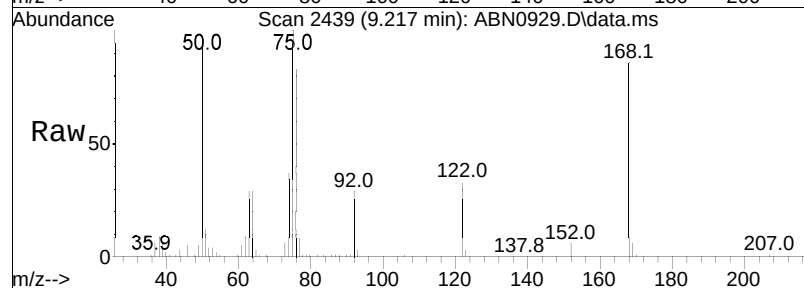
Tgt Ion:	138	Resp:	40338
Ion Ratio	Lower	Upper	
138	100		
92	60.2	53.5	80.3
65	95.7	86.3	129.5

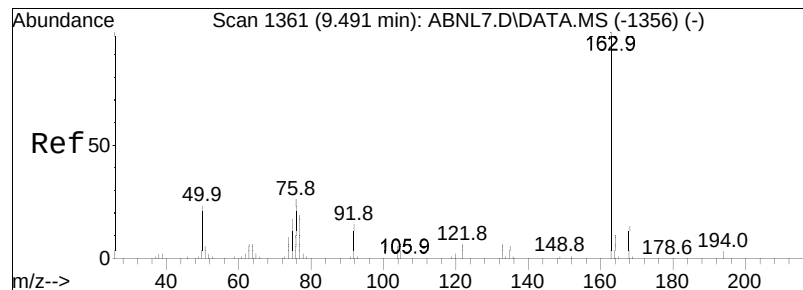




#49
 1,4-Dinitrobenzene
 Concen: 6.44 ug/ml
 RT: 9.217 min Scan# 2439
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

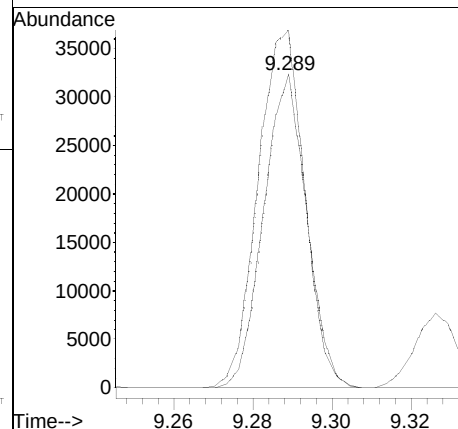
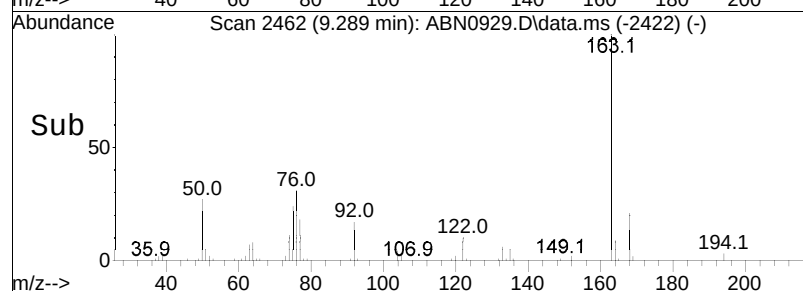
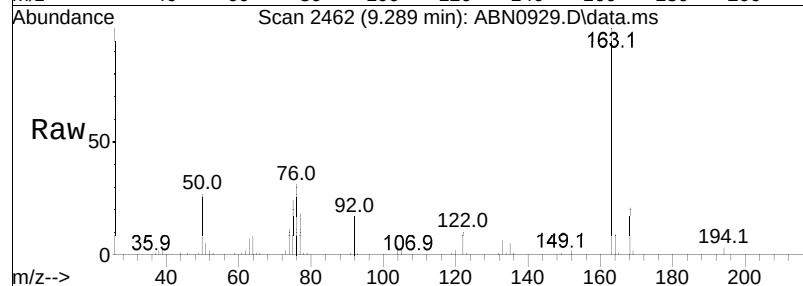
Tgt Ion	Ratio	Lower	Upper
168	100		
75	116.0	121.8	182.8#

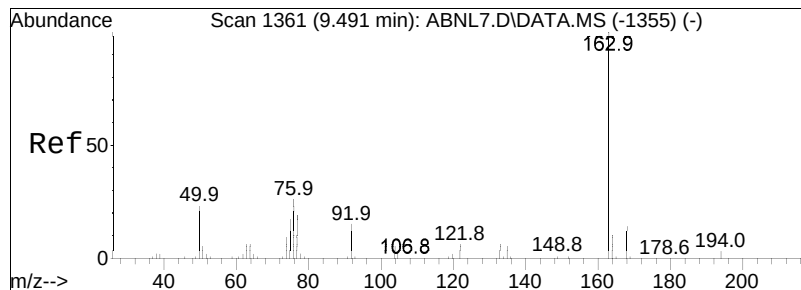




#50
 1,3-Dinitrobenzene
 Concen: 6.11 ug/ml
 RT: 9.289 min Scan# 2462
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

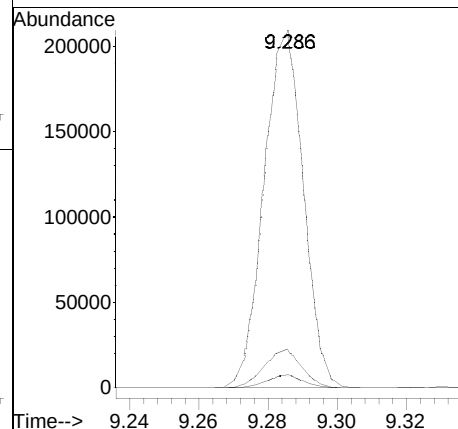
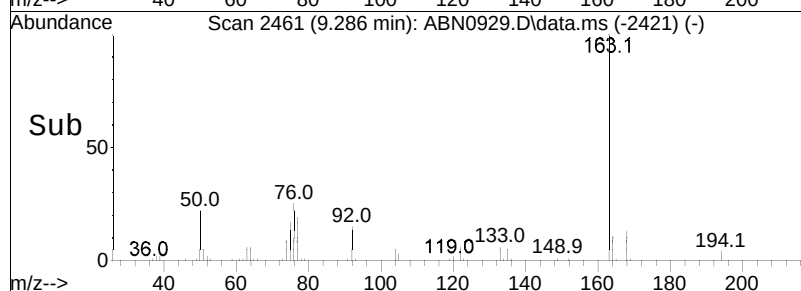
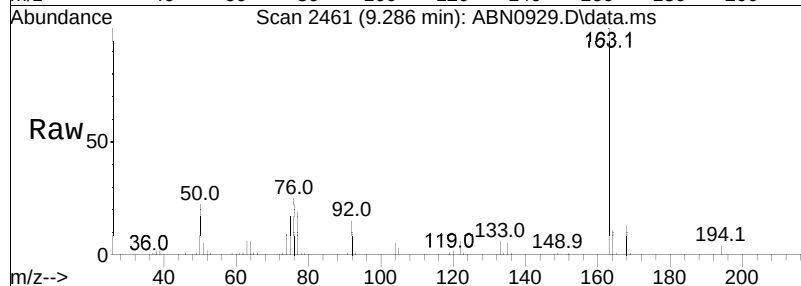
Tgt Ion	Ratio	Lower	Upper
168	100		
75	123.3	22.7	34.1#

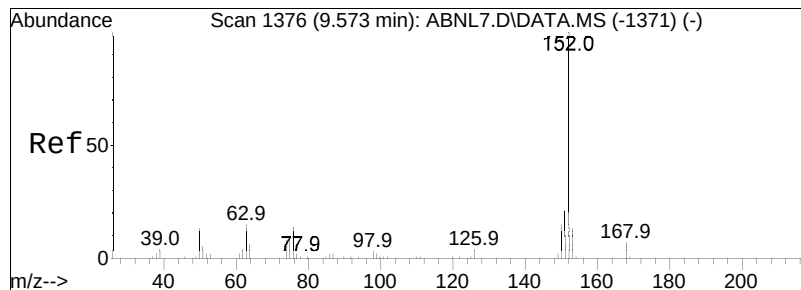




#51
 Dimethyl phthalate
 Concen: 4.96 ug/ml
 RT: 9.286 min Scan# 2461
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.5	5.3#
164	10.4	7.9	11.9





#52

Acenaphthylene

Concen: 4.85 ug/ml

RT: 9.357 min Scan# 2484

Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

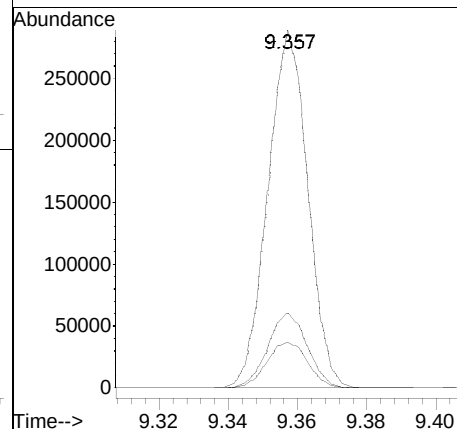
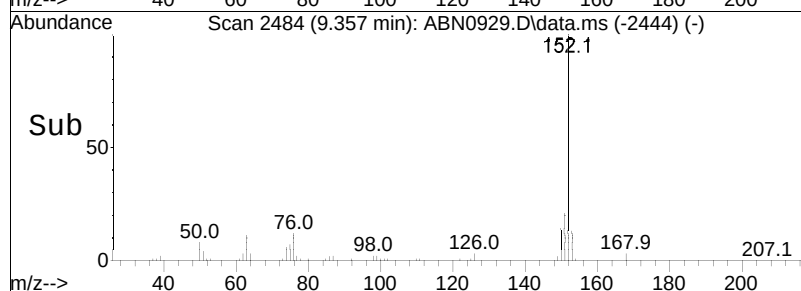
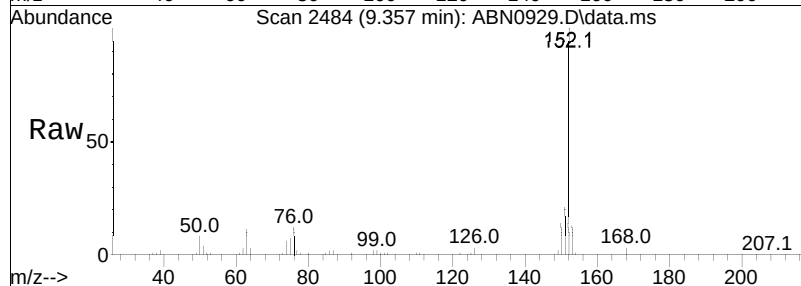
Tgt Ion:152 Resp: 228713

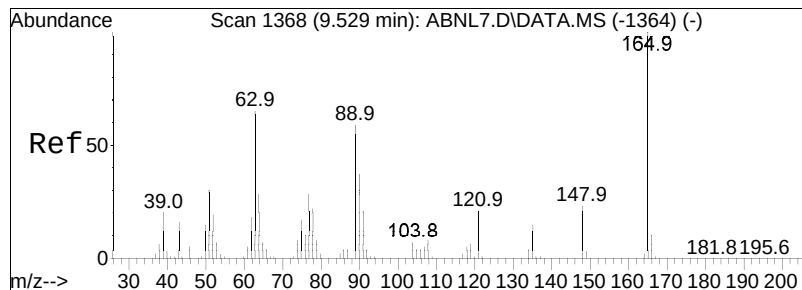
Ion Ratio Lower Upper

152 100

151 20.9 15.8 23.6

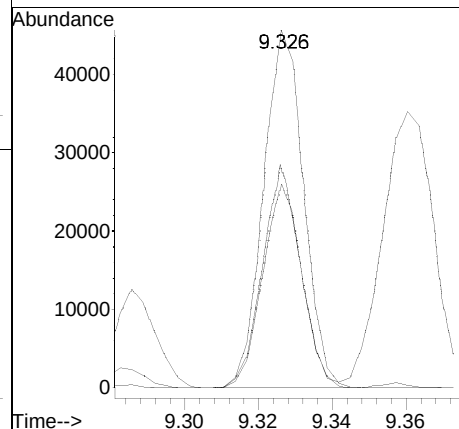
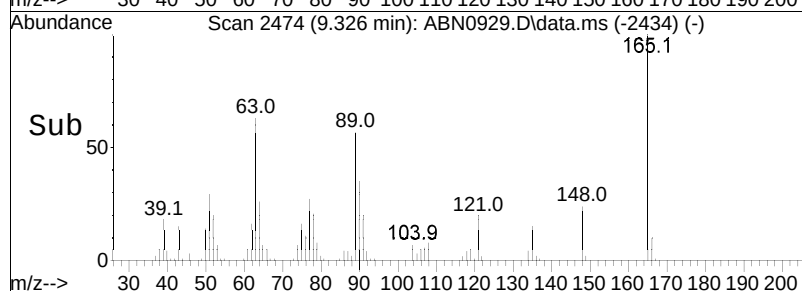
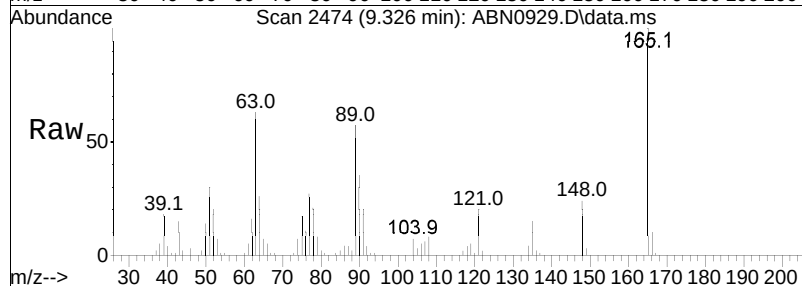
153 13.2 10.5 15.7

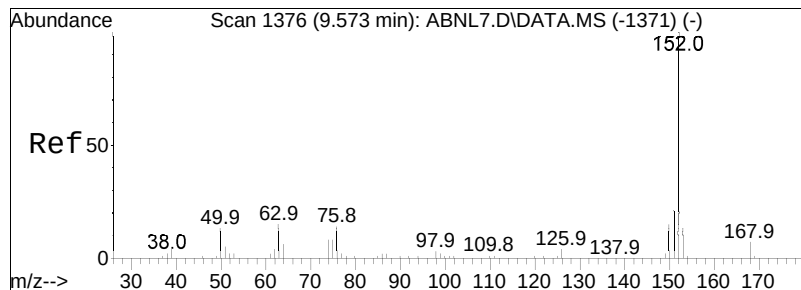




#53
 2,6-Dinitrotoluene
 Concen: 6.12 ug/ml
 RT: 9.326 min Scan# 2474
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

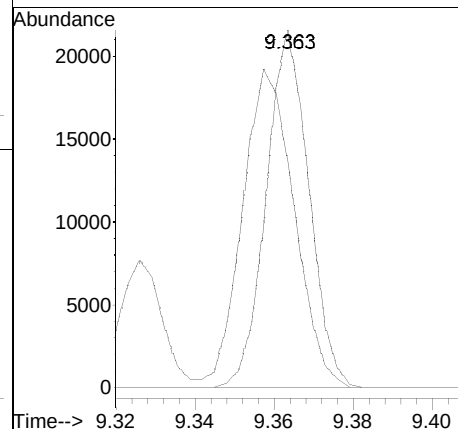
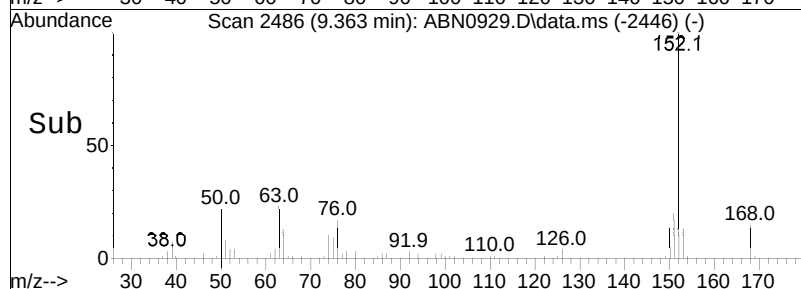
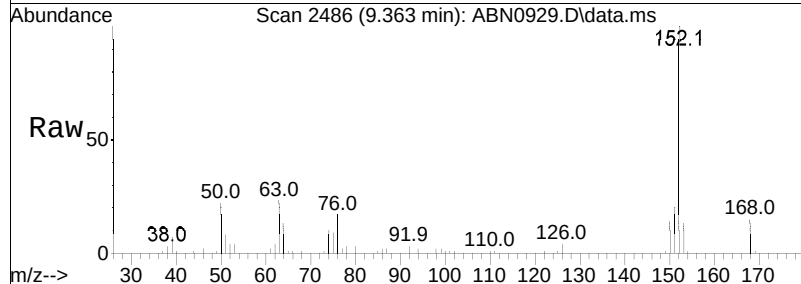
Tgt Ion	Ratio	Lower	Upper
165	100		
89	55.7	54.2	81.2
63	59.0	64.2	96.2#

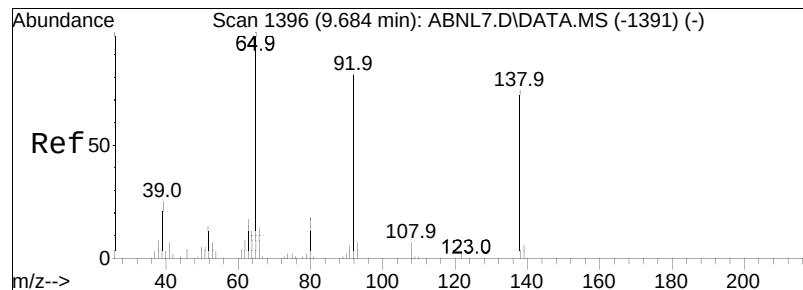




#54
 1,2-Dinitrobenzene
 Concen: 6.28 ug/ml
 RT: 9.363 min Scan# 2486
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

Tgt Ion	Ratio	Lower	Upper
168	100		
75	107.6	30.9	46.3#





#64

3-Nitroaniline

Concen: 6.07 ug/ml

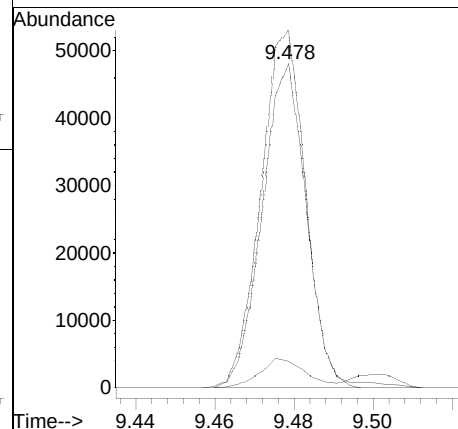
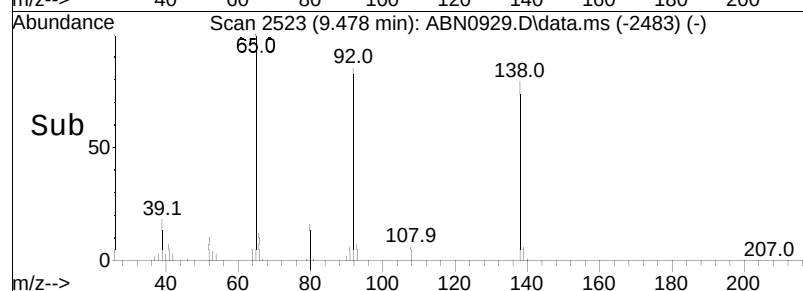
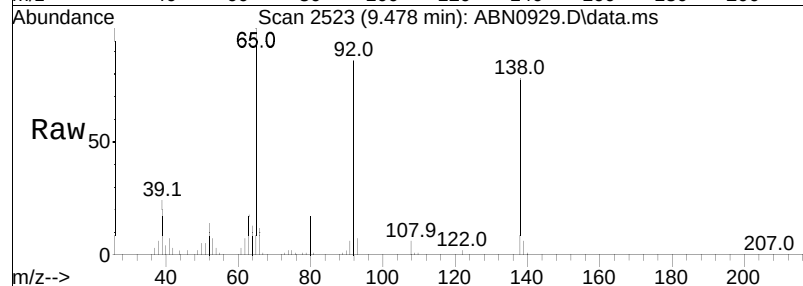
RT: 9.478 min Scan# 2523

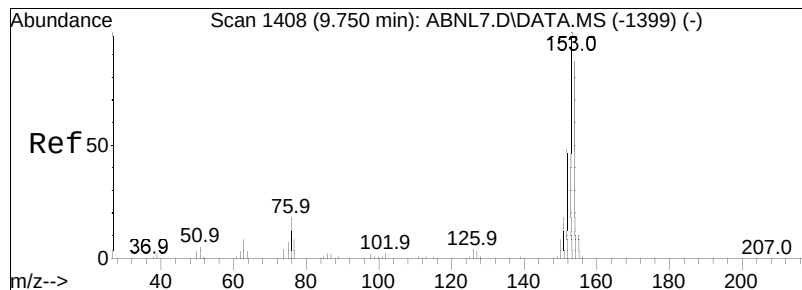
Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

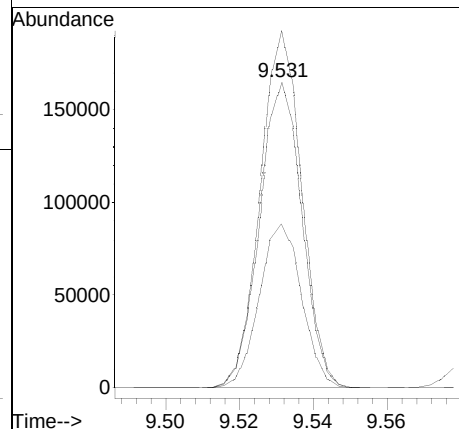
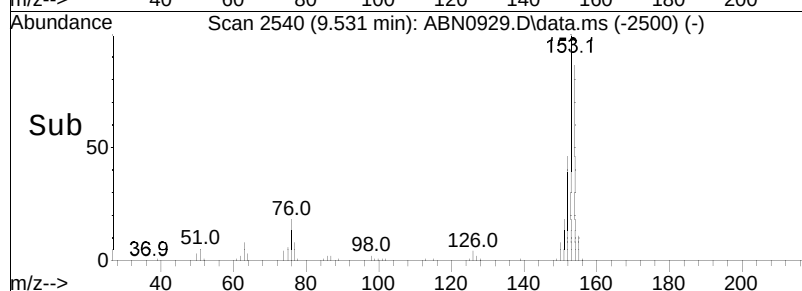
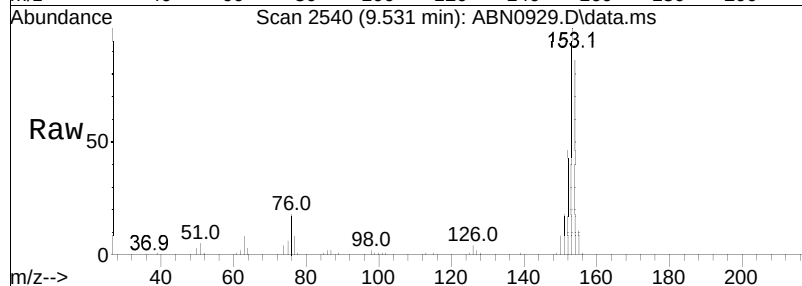
Tgt Ion:	138	Resp:	36756
Ion Ratio	Lower	Upper	
138	100		
92	113.7	93.4	140.2
108	9.6	9.5	14.3

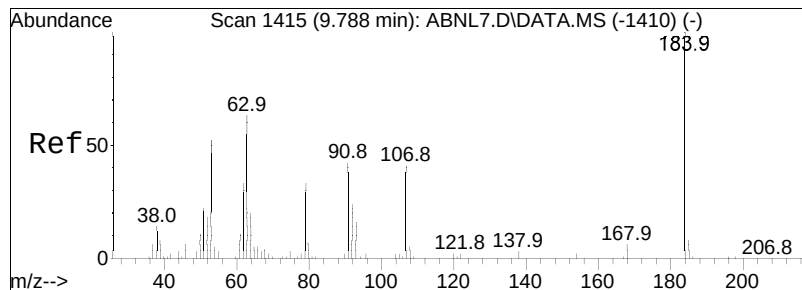




#65
 Acenaphthene
 Concen: 4.66 ug/ml
 RT: 9.531 min Scan# 2540
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

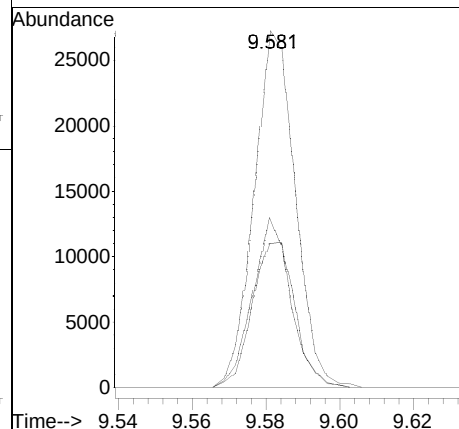
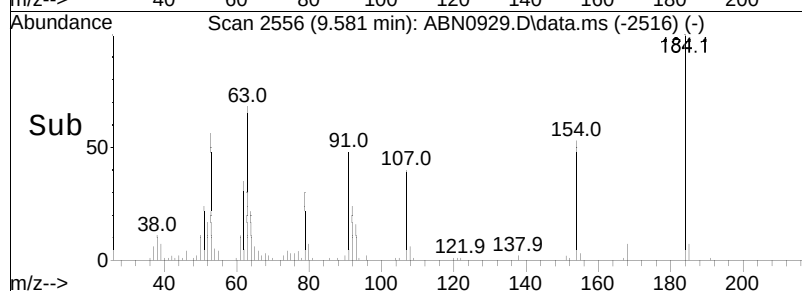
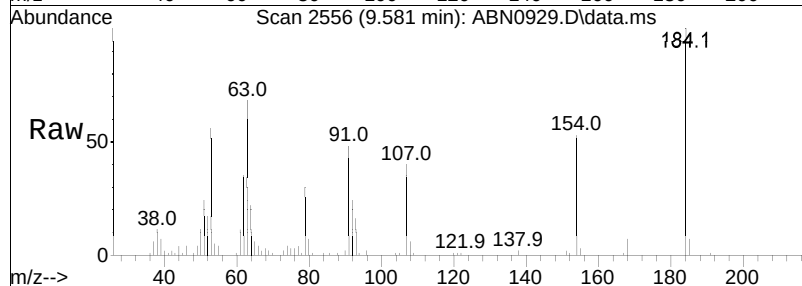
Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.6	85.3	127.9
152	54.0	41.4	62.0

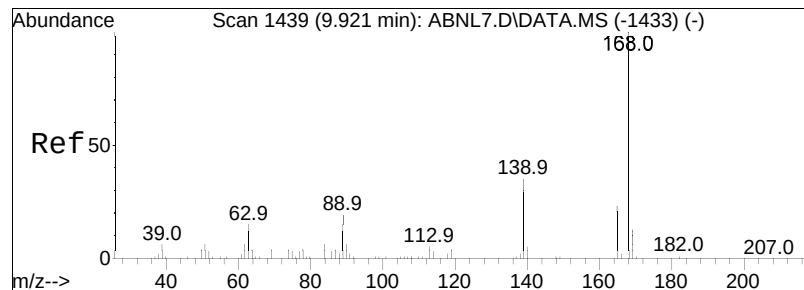




#66
 2,4-Dinitrophenol
 Concen: 6.29 ug/ml
 RT: 9.581 min Scan# 2556
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

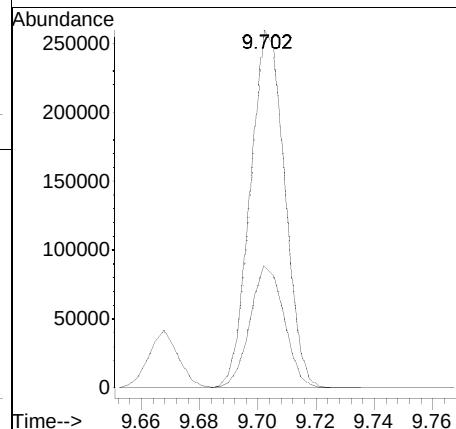
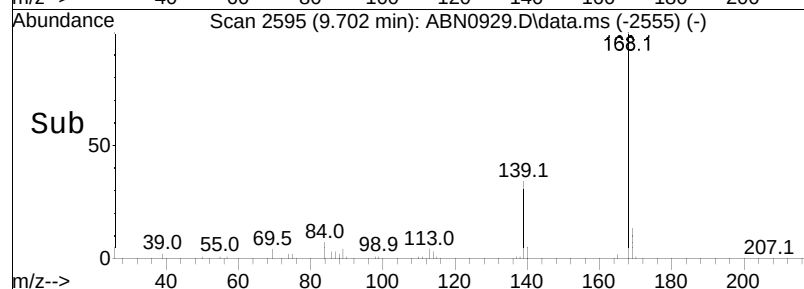
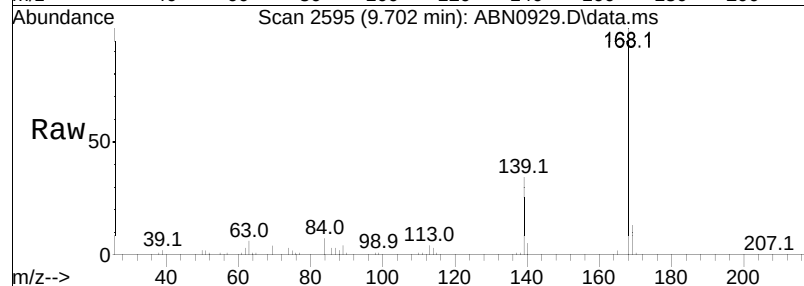
Tgt Ion	Ratio	Lower	Upper
184	100		
107	41.1	37.7	56.5
91	45.7	46.3	69.5#

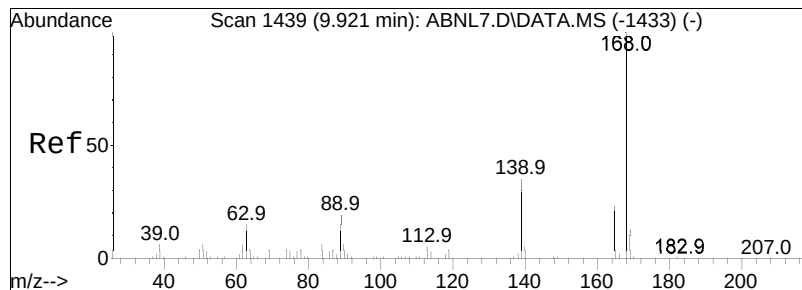




#67
Dibenzenofuran
Concen: 4.68 ug/ml
RT: 9.702 min Scan# 2595
Delta R.T. 0.000 min
Lab File: ABN0929.D
Acq: 29 Sep 2025 12:24 pm

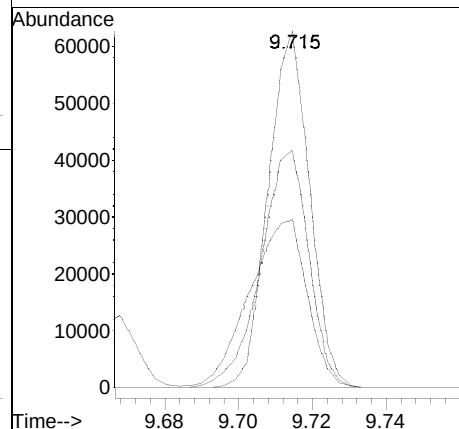
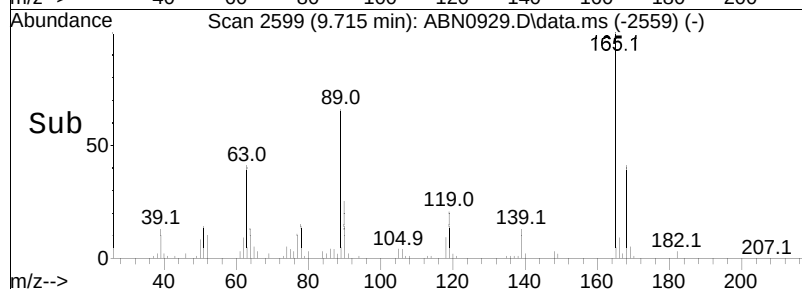
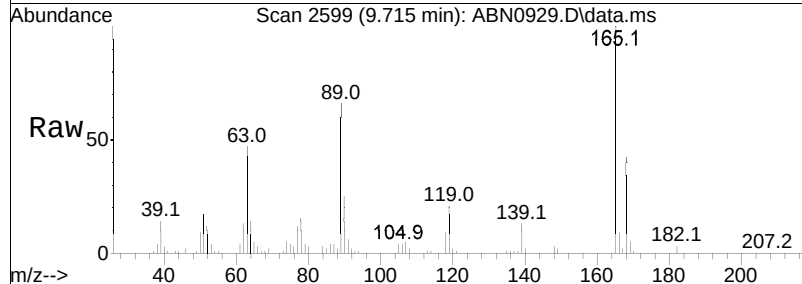
Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.0	31.4	47.2

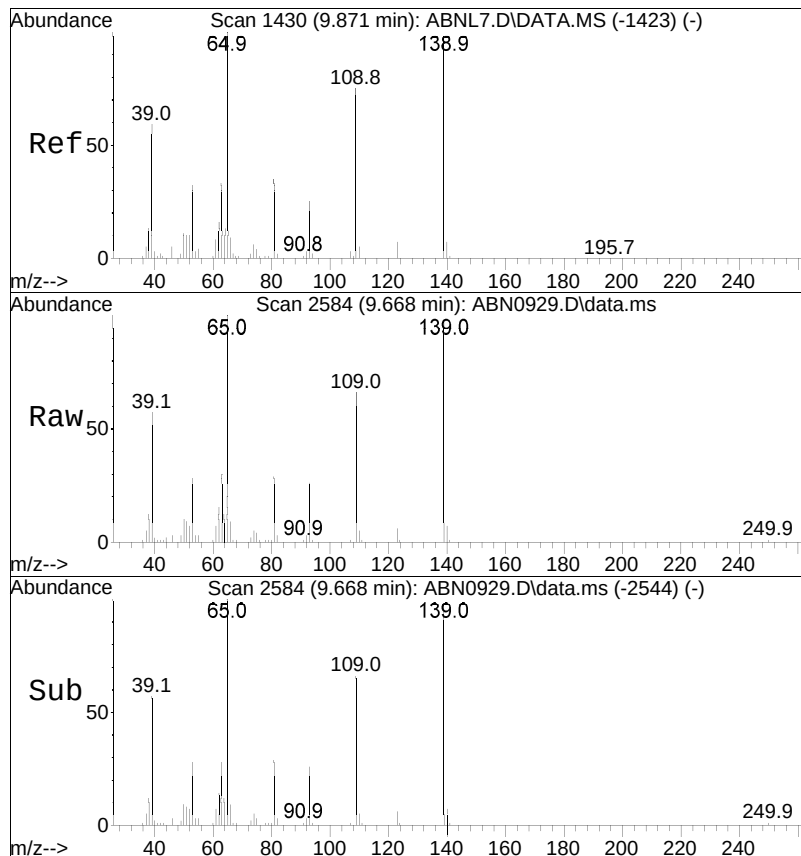




#68
 2,4-Dinitrotoluene
 Concen: 5.54 ug/ml
 RT: 9.715 min Scan# 2599
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

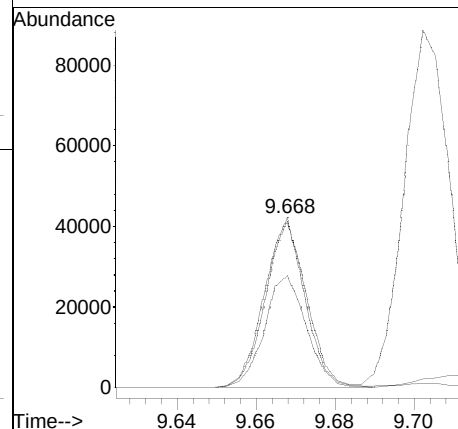
Tgt Ion:	165	Resp:	48480
Ion Ratio	Lower	Upper	
165	100		
89	77.5	72.0	108.0
63	66.0	52.7	79.1

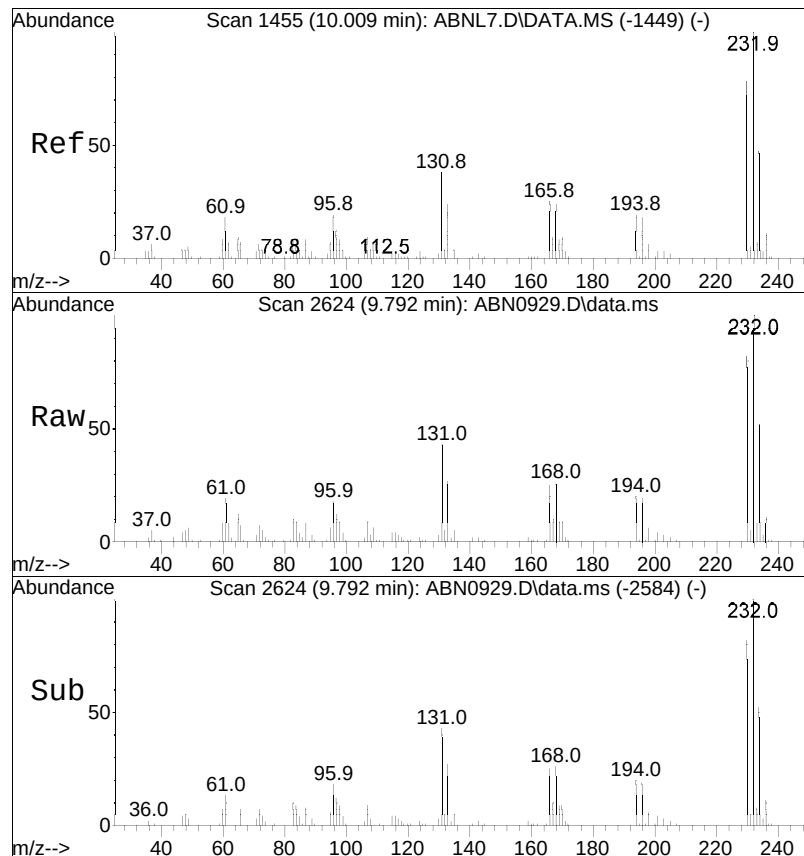




#69
 4-Nitrophenol
 Concen: 6.55 ug/ml
 RT: 9.668 min Scan# 2584
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

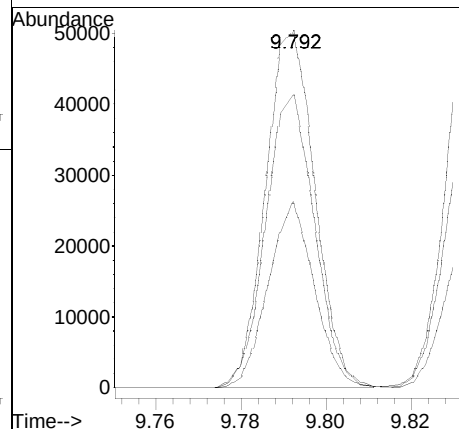
Tgt Ion:	65	Resp:	29833
Ion Ratio	Lower	Upper	
65	100		
109	68.5	47.4	71.2
139	99.4	76.6	115.0

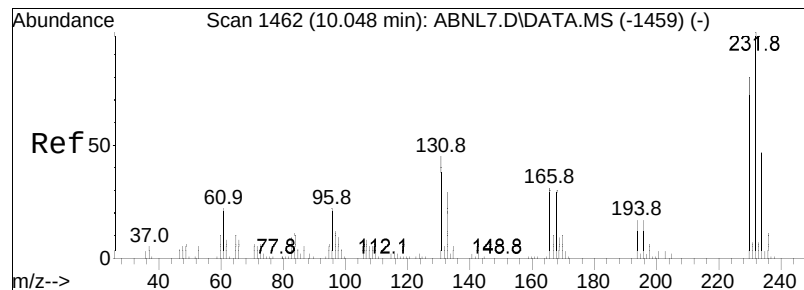




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 5.44 ug/ml
 RT: 9.792 min Scan# 2624
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

Tgt Ion:	232	Resp:	40649
Ion Ratio	Lower	Upper	
232	100		
230	81.2	64.2	96.4
234	49.0	38.1	57.1





#71

2,3,4,6-Tetrachlorophenol

Concen: 5.46 ug/ml

RT: 9.833 min Scan# 2637

Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

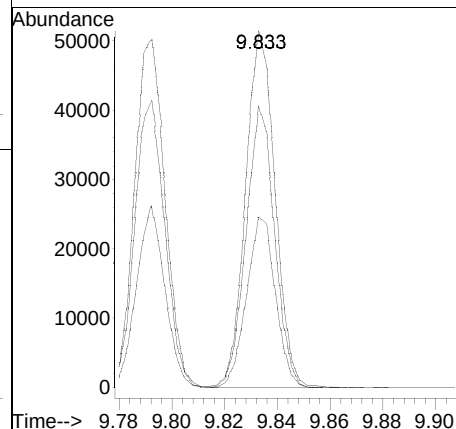
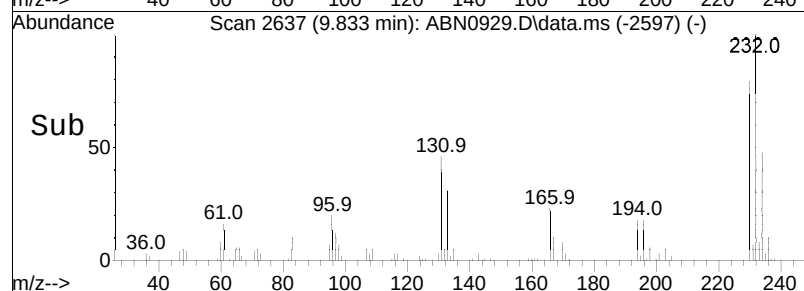
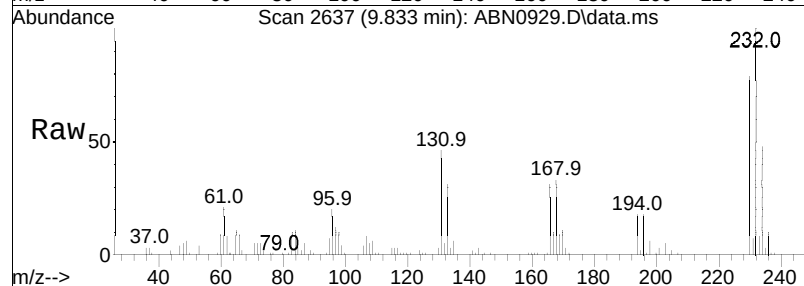
Tgt Ion: 232 Resp: 40235

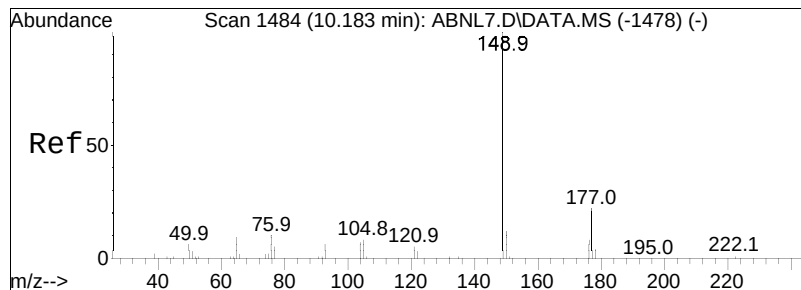
Ion Ratio Lower Upper

232 100

230 76.3 61.8 92.8

234 47.0 36.2 54.2





#72

Diethyl phthalate

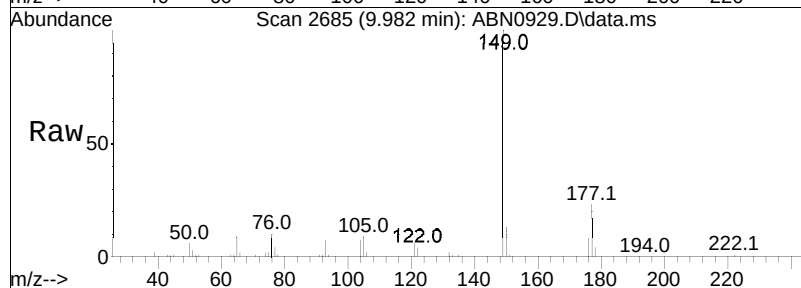
Concen: 4.84 ug/ml

RT: 9.982 min Scan# 2685

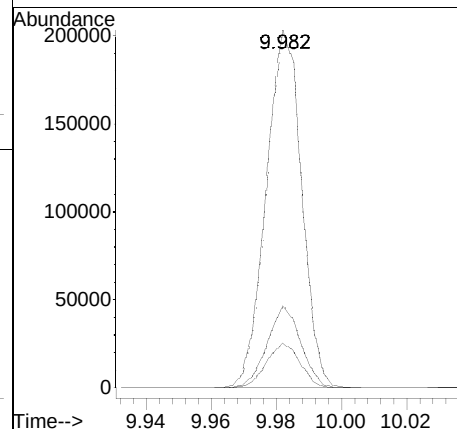
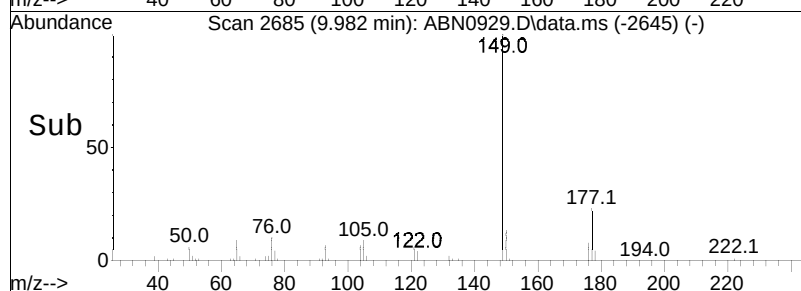
Delta R.T. 0.000 min

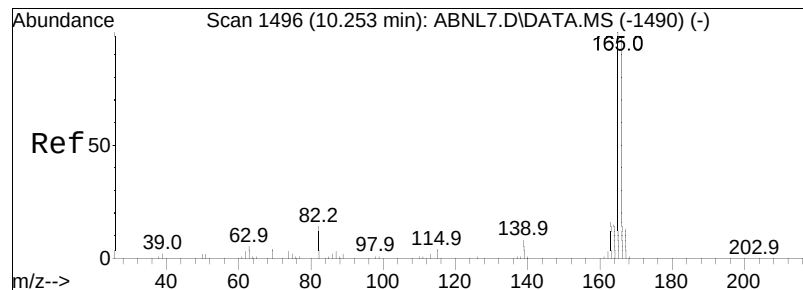
Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm



Tgt Ion:	149	Resp:	152205
Ion Ratio	Lower	Upper	
149	100		
177	21.8	16.1	24.1
150	12.0	9.4	14.2





#73

Fluorene

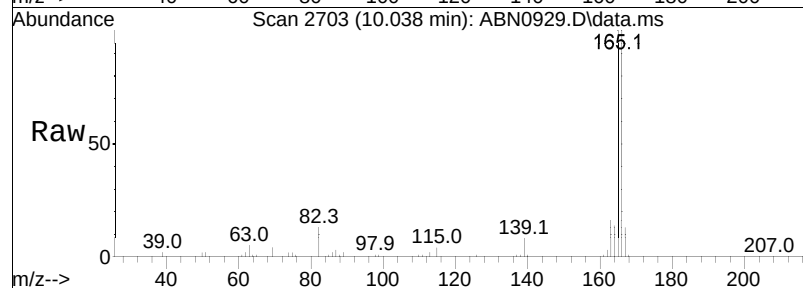
Concen: 4.72 ug/ml

RT: 10.038 min Scan# 2703

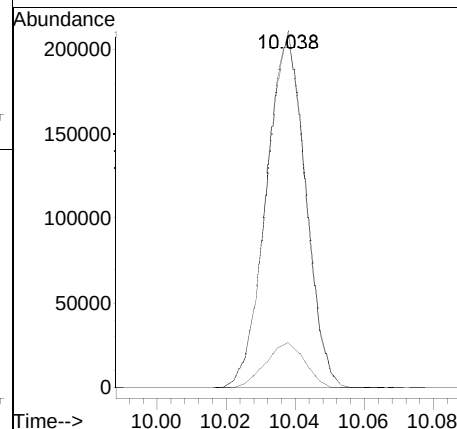
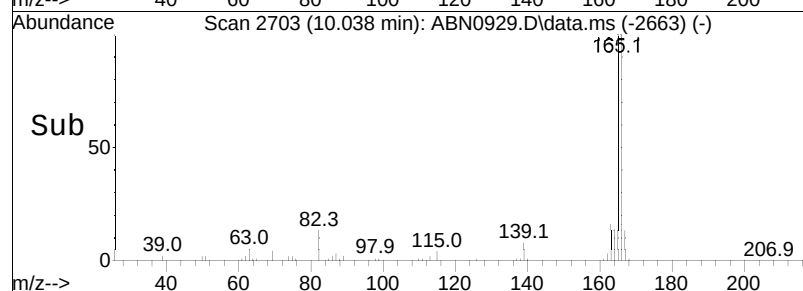
Delta R.T. 0.000 min

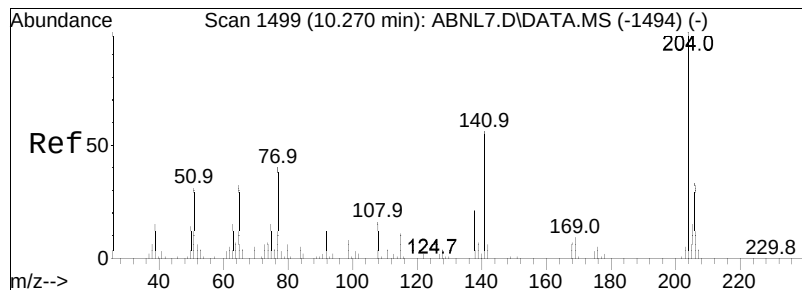
Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm



Tgt Ion:	166	Resp:	163561
Ion Ratio	Lower	Upper	
166	100		
165	101.9	76.2	114.2
167	13.1	10.6	15.8





#74

4-Chlorophenyl phenyl ether

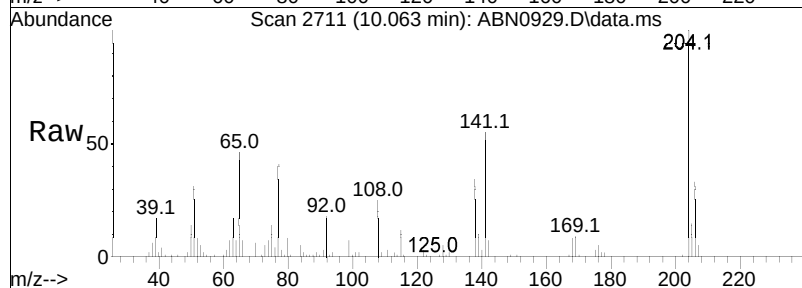
Concen: 4.58 ug/ml

RT: 10.063 min Scan# 2711

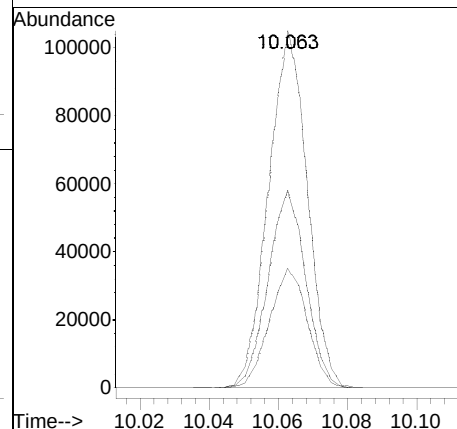
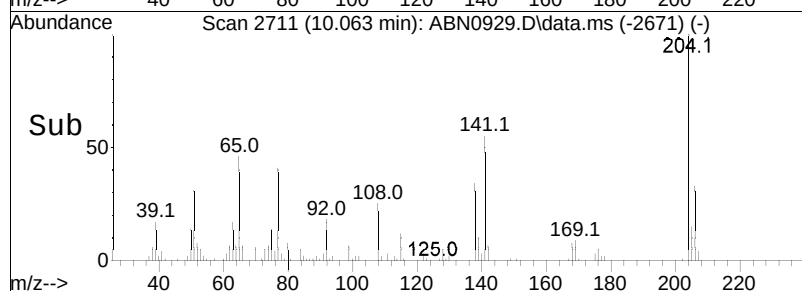
Delta R.T. 0.000 min

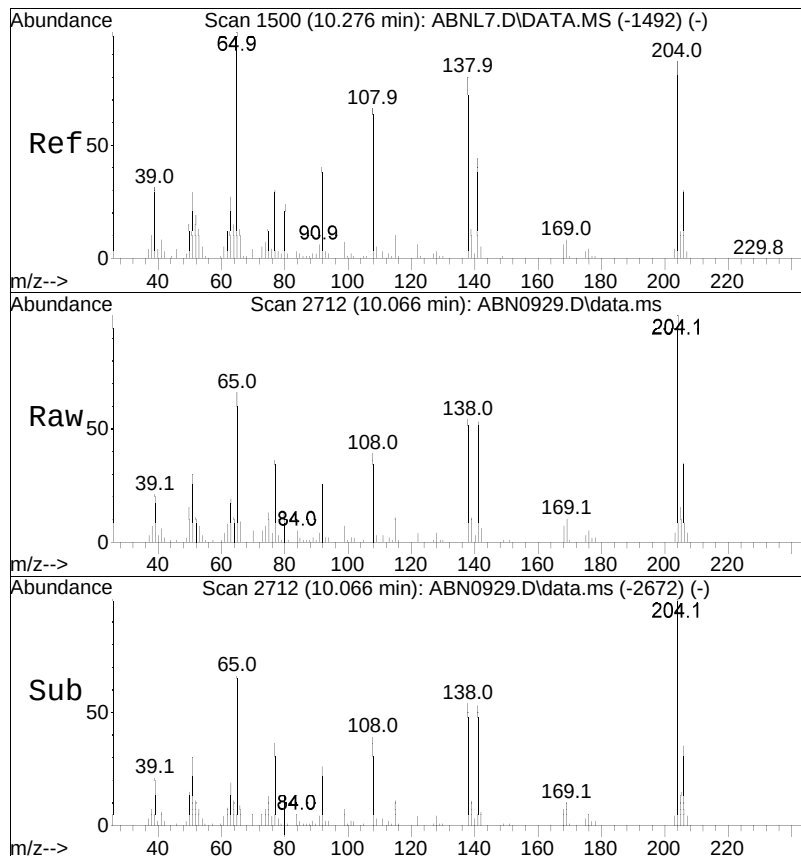
Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm



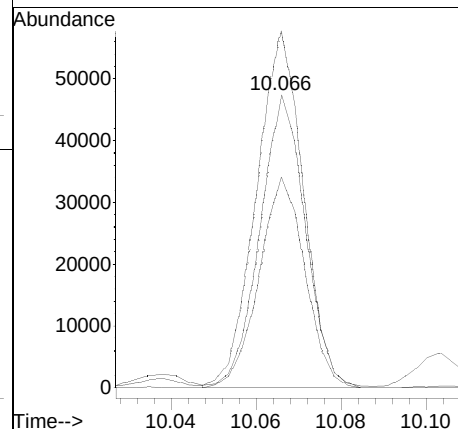
Tgt Ion:	204	Resp:	80920
Ion Ratio	Lower	Upper	
204	100		
206	33.1	25.8	38.6
141	54.0	53.6	80.4

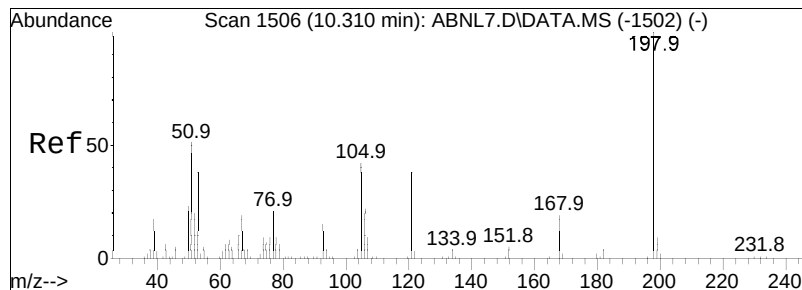




#75
 4-Nitroaniline
 Concen: 5.78 ug/ml
 RT: 10.066 min Scan# 2712
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

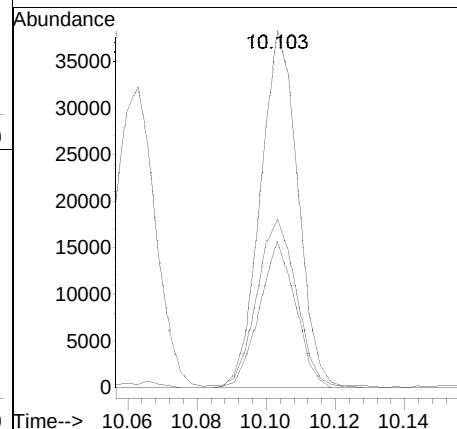
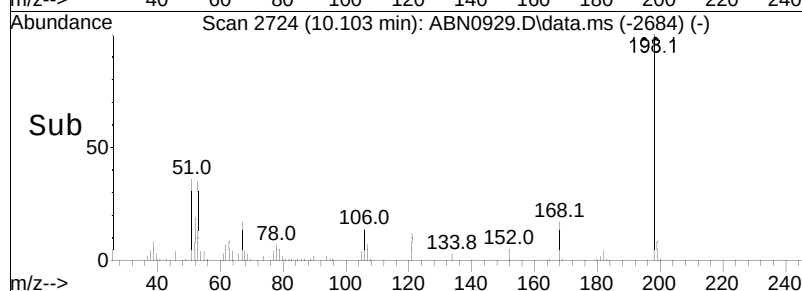
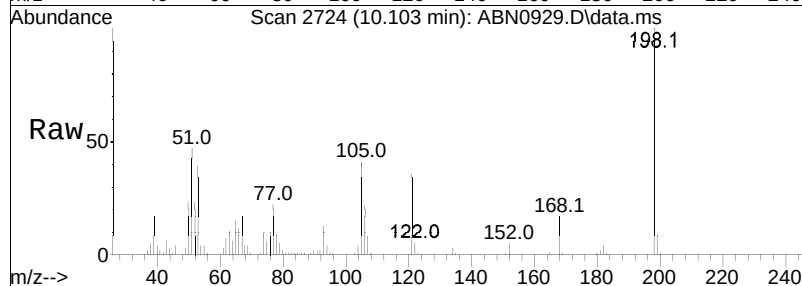
Tgt Ion:	138	Resp:	34895
Ion Ratio	Lower	Upper	
138	100		
108	72.8	52.1	78.1
65	126.5	115.0	172.6

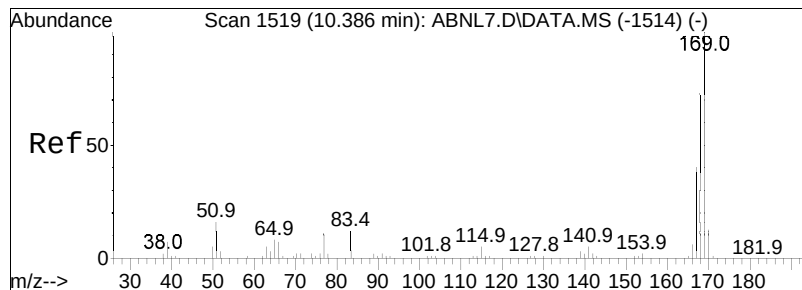




#76
 4,6-Dinitro-o-cresol
 Concen: 6.44 ug/ml
 RT: 10.103 min Scan# 2724
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

Tgt Ion	Ratio	Lower	Upper
198	100		
51	50.5	76.0	114.0#
105	39.7	45.6	68.4#





#77

NDPA/DPA

Concen: 4.99 ug/ml

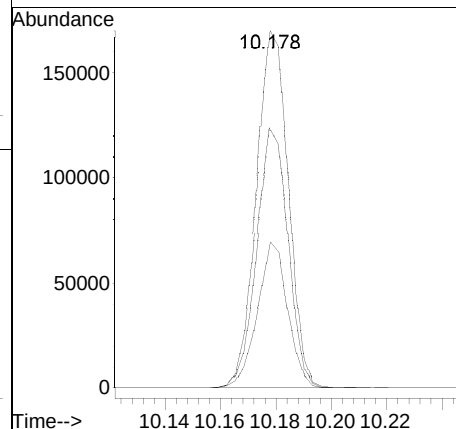
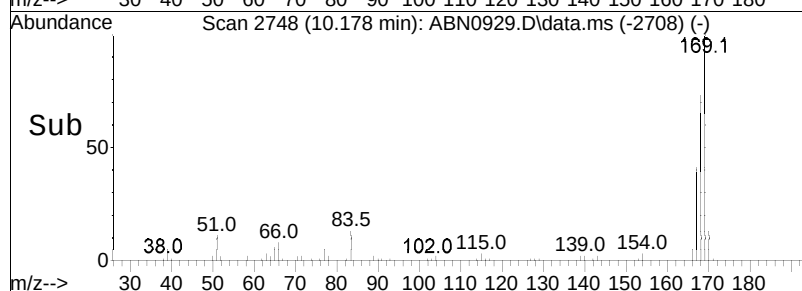
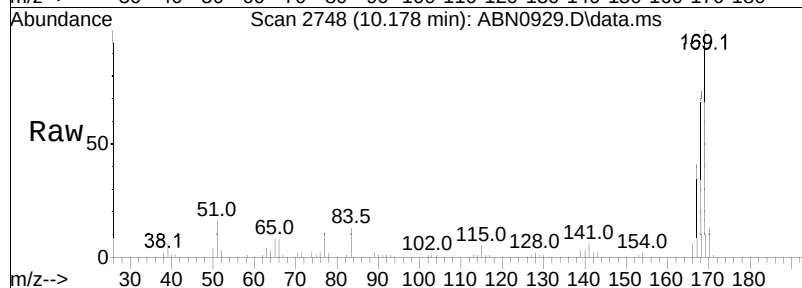
RT: 10.178 min Scan# 2748

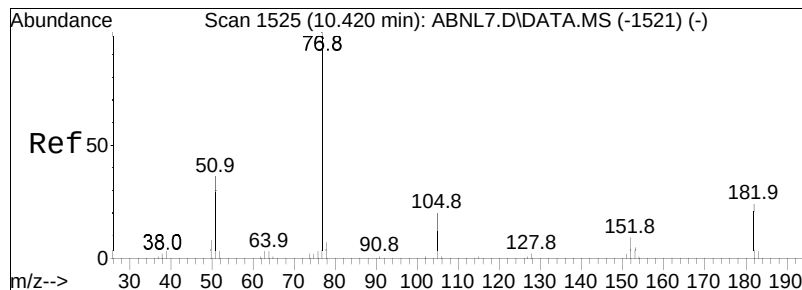
Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

Tgt Ion:	169	Resp:	136240
Ion Ratio	Lower	Upper	
169	100		
168	71.4	54.0	81.0
167	38.8	28.6	42.8





#78

Azobenzene

Concen: 5.29 ug/ml

RT: 10.212 min Scan# 2759

Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

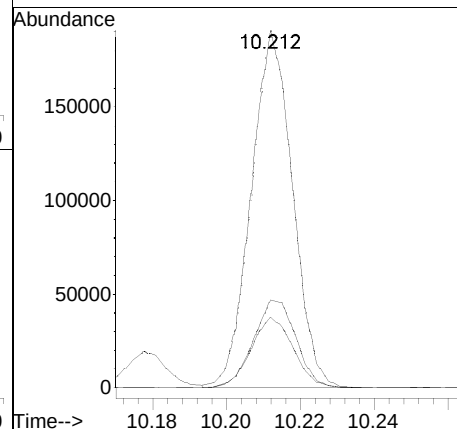
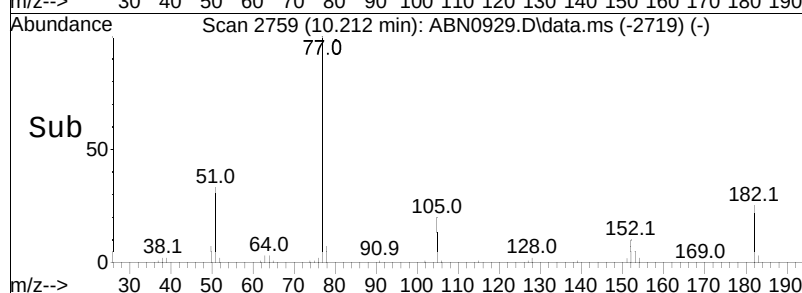
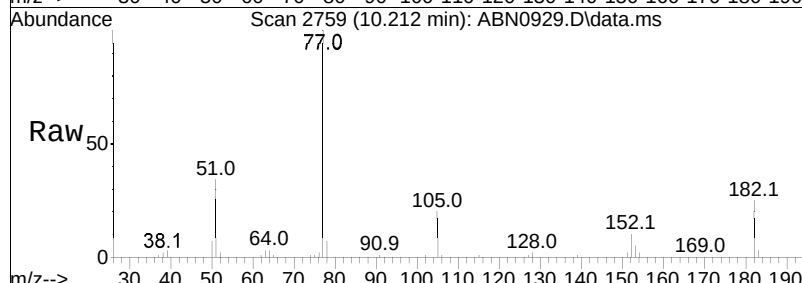
Tgt Ion: 77 Resp: 147293

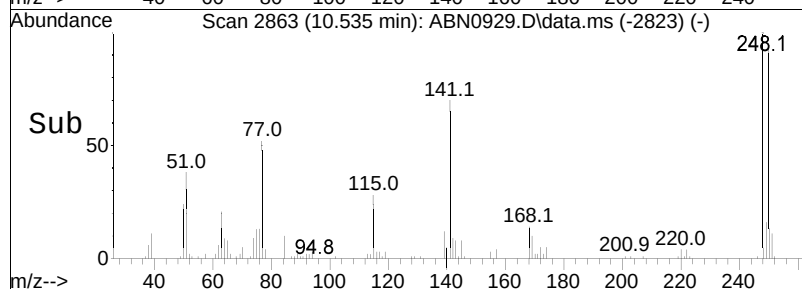
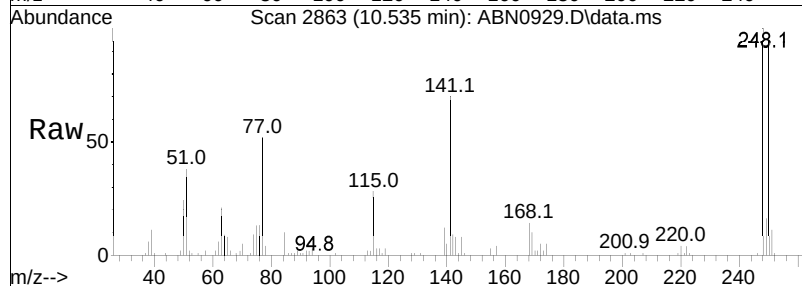
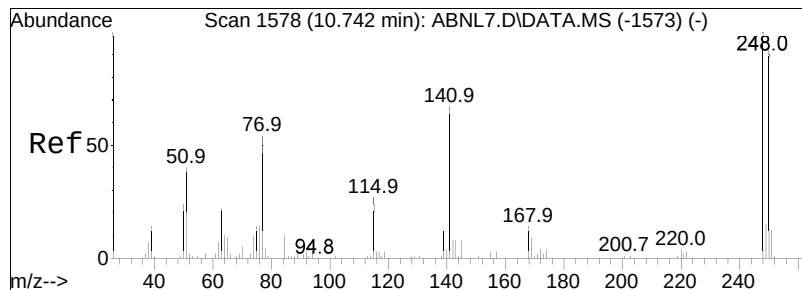
Ion Ratio Lower Upper

77 100

182 25.4 17.4 26.2

105 20.4 15.4 23.2





#80

4-Bromophenyl phenyl ether

Concen: 4.49 ug/ml

RT: 10.535 min Scan# 2863

Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

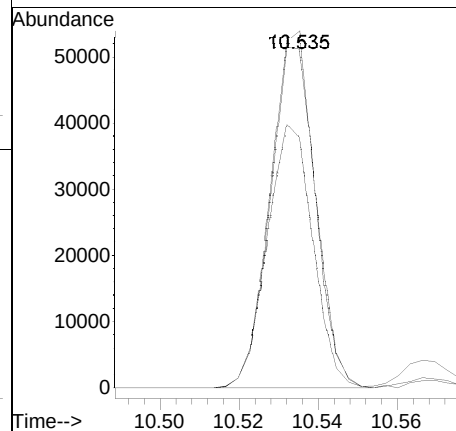
Tgt Ion:248 Resp: 42258

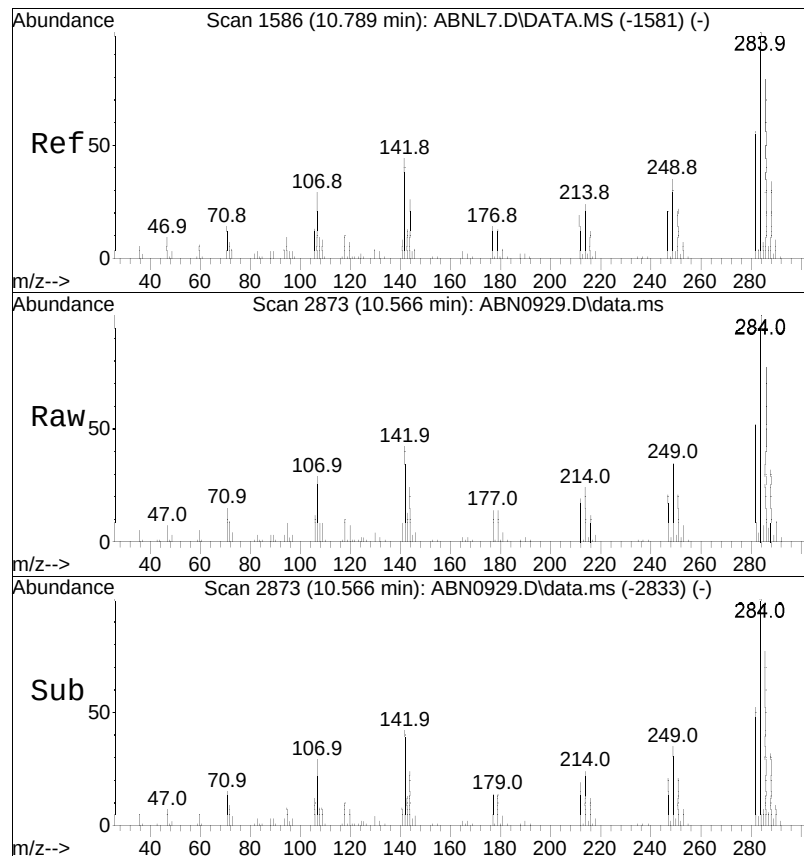
Ion Ratio Lower Upper

248 100

141 75.0 76.6 114.8#

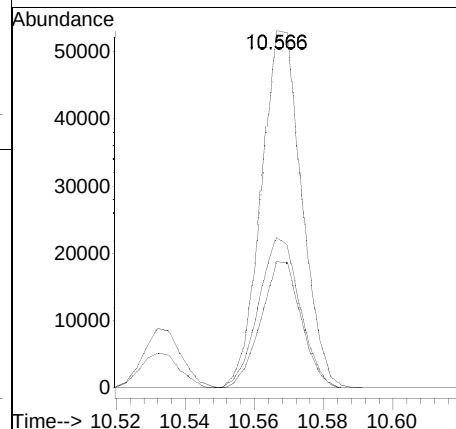
250 96.5 77.3 115.9

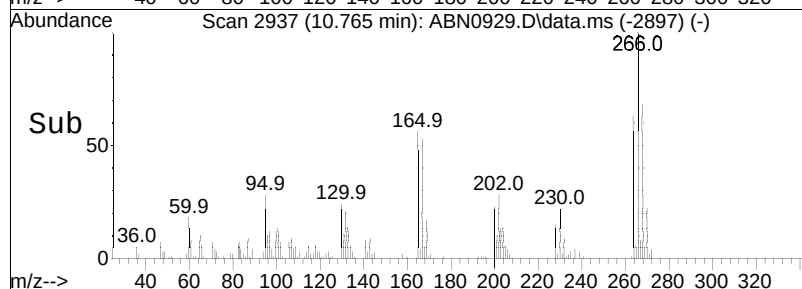
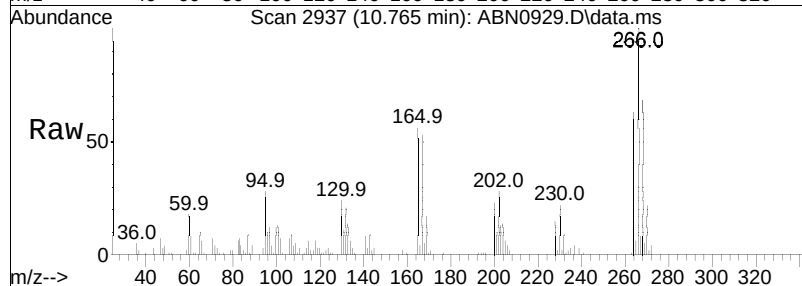
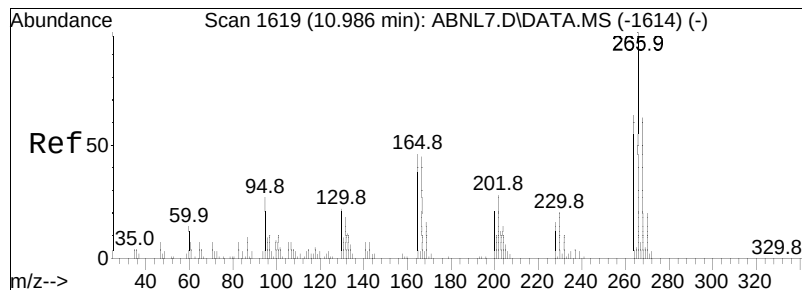




#81
 Hexachlorobenzene
 Concen: 4.39 ug/ml
 RT: 10.566 min Scan# 2873
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

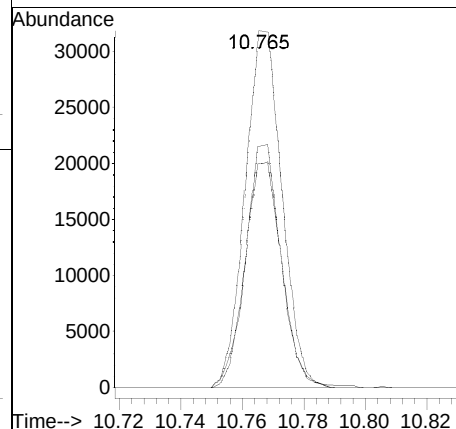
Tgt Ion:	284	Resp:	43140
Ion Ratio	Lower	Upper	
284	100		
142	43.0	41.9	62.9
249	35.2	24.1	36.1

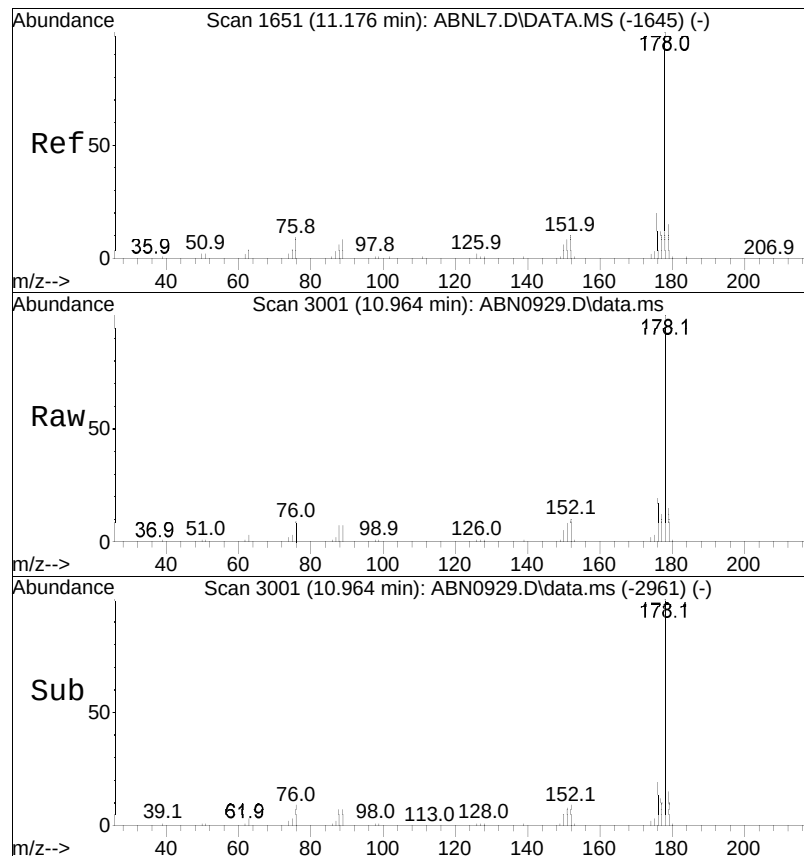




#82
 Pentachlorophenol
 Concen: 5.02 ug/ml
 RT: 10.765 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

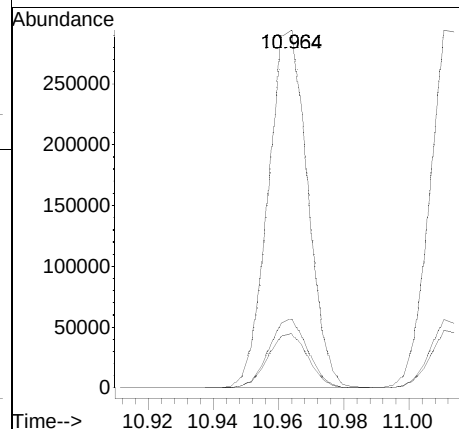
Tgt Ion:	266	Resp:	26589
Ion Ratio	Lower	Upper	
266	100		
264	63.0	49.7	74.5
268	64.9	50.5	75.7

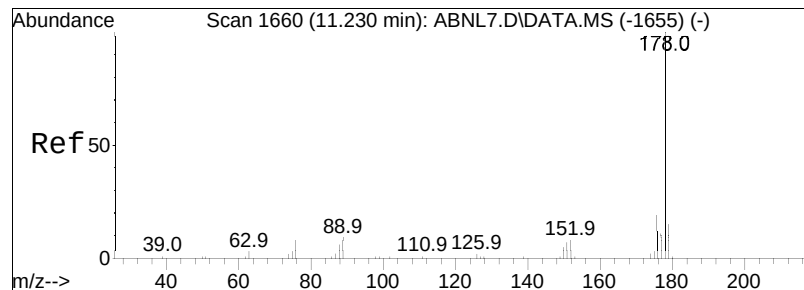




#89
 Phenanthrene
 Concen: 4.77 ug/ml
 RT: 10.964 min Scan# 3001
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

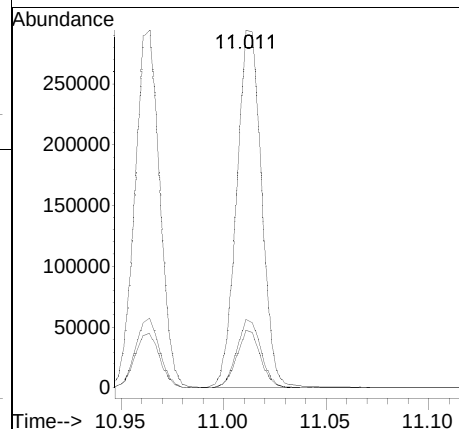
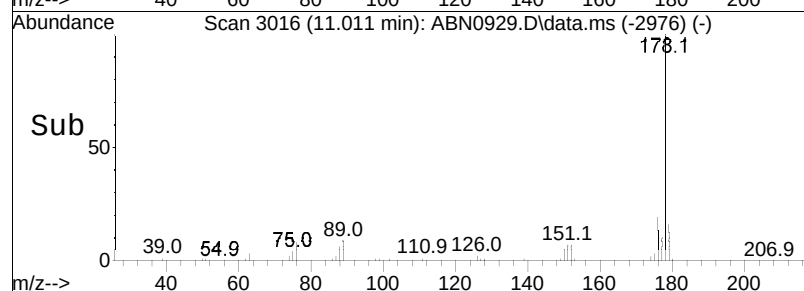
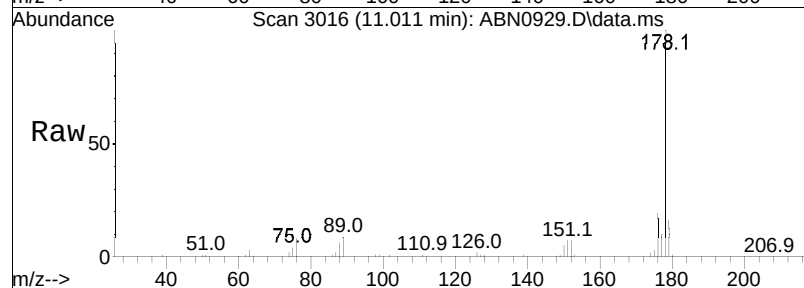
Tgt Ion:	178	Resp:	248233
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.2	18.2
176	18.9	15.4	23.2

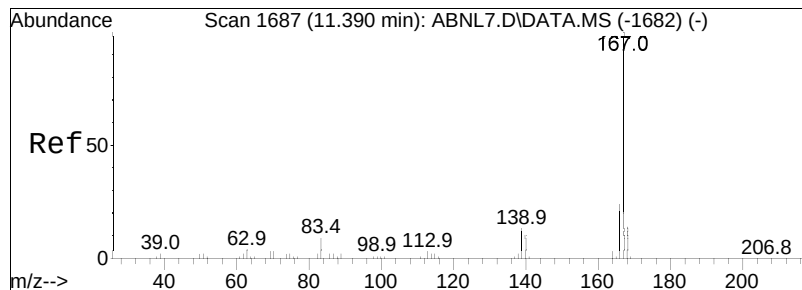




#90
 Anthracene
 Concen: 4.88 ug/ml
 RT: 11.011 min Scan# 3016
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	18.6	14.6	22.0





#91

Carbazole

Concen: 4.92 ug/ml

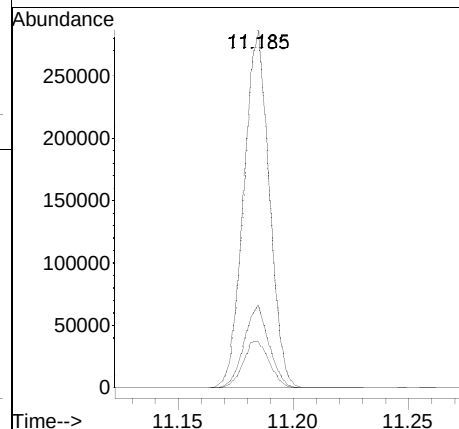
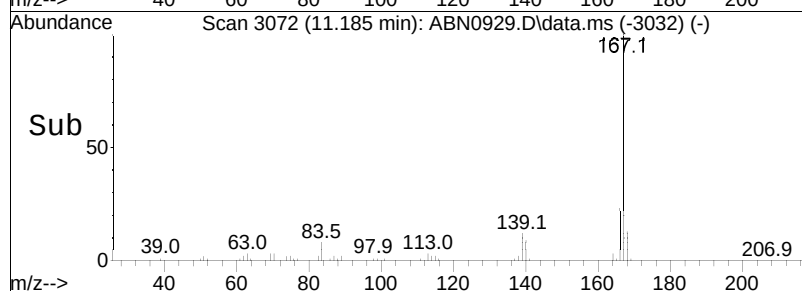
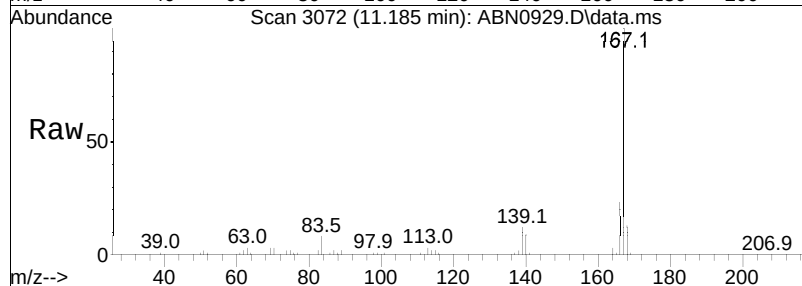
RT: 11.185 min Scan# 3072

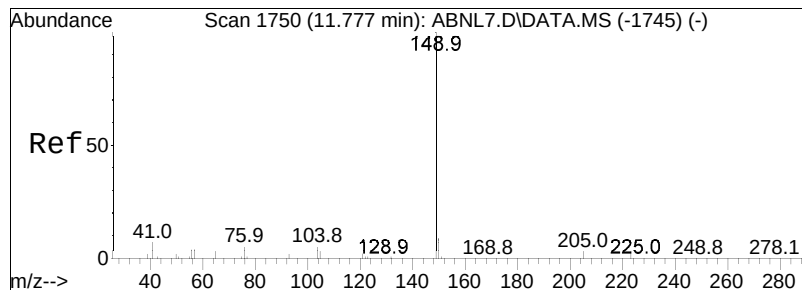
Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

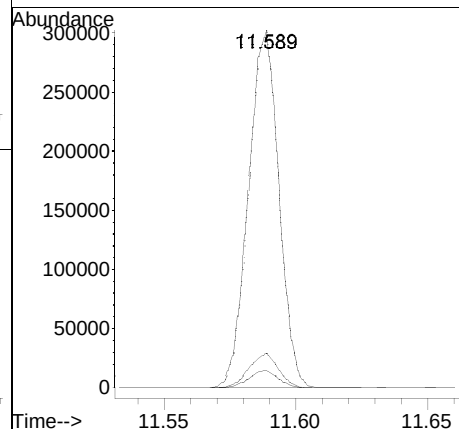
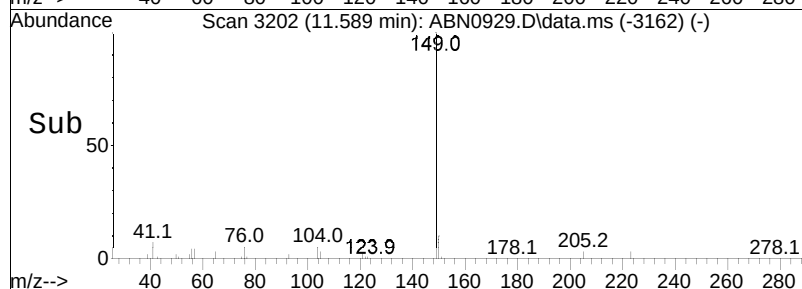
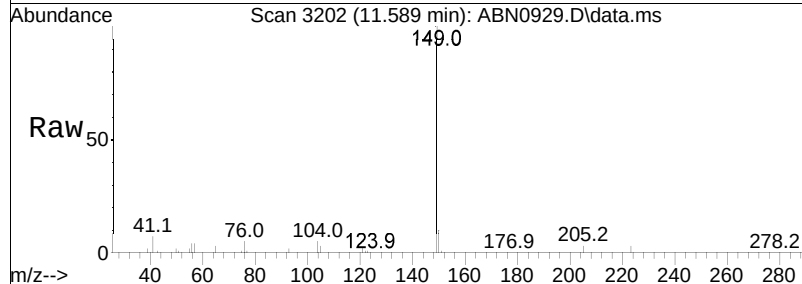
Tgt Ion:	167	Resp:	217967
Ion Ratio	Lower	Upper	
167	100		
168	13.6	10.6	15.8
166	22.6	17.4	26.0

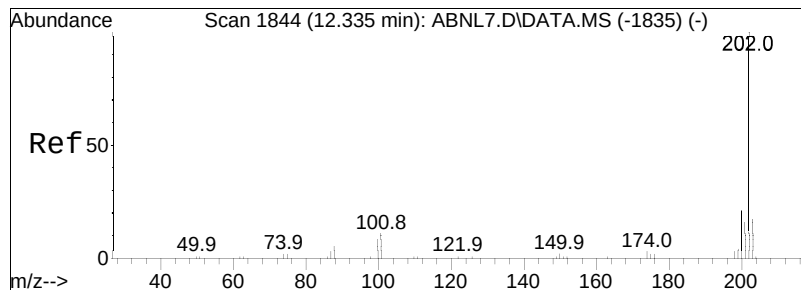




#92
 Di-n-butylphthalate
 Concen: 4.93 ug/ml
 RT: 11.589 min Scan# 3202
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

Tgt Ion:	149	Resp:	239462
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.0	10.6
104	4.7	4.5	6.7





#93

Fluoranthene

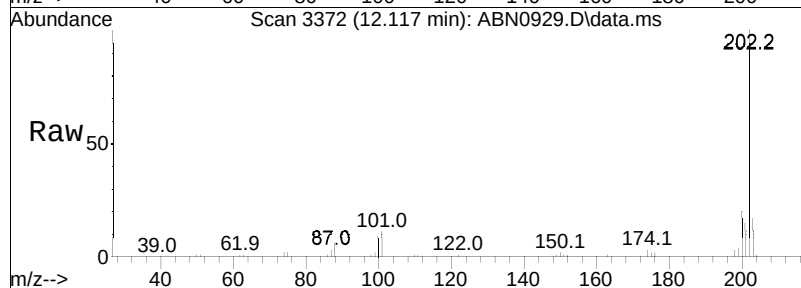
Concen: 4.87 ug/ml

RT: 12.117 min Scan# 3372

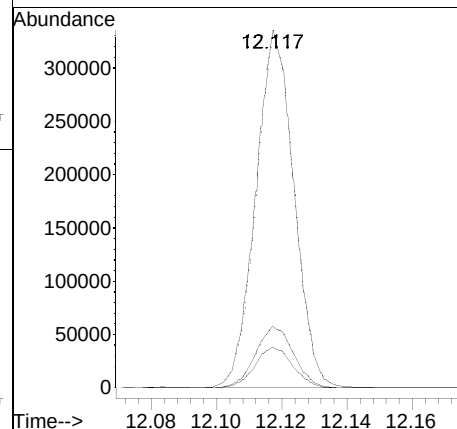
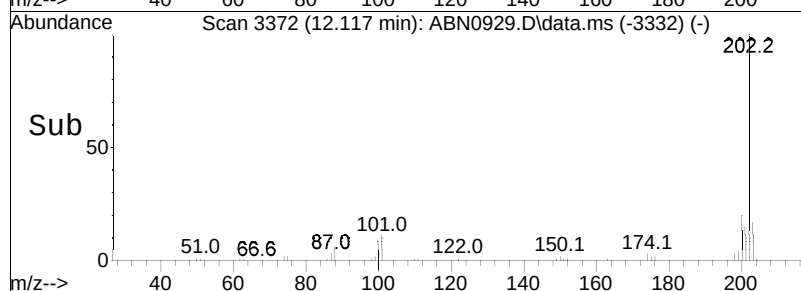
Delta R.T. 0.000 min

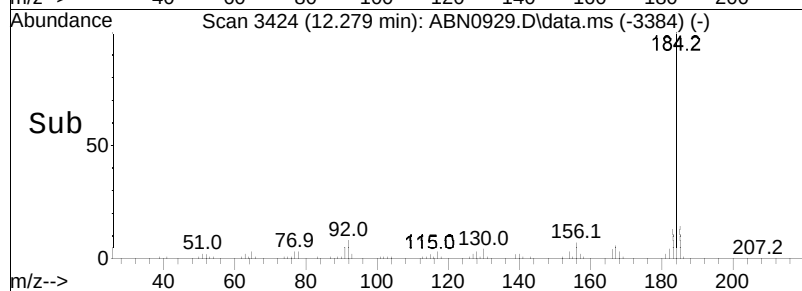
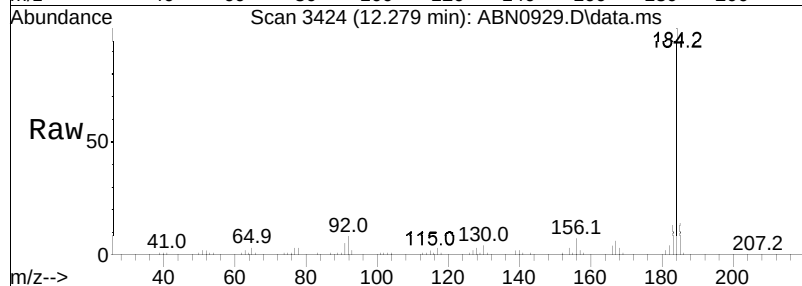
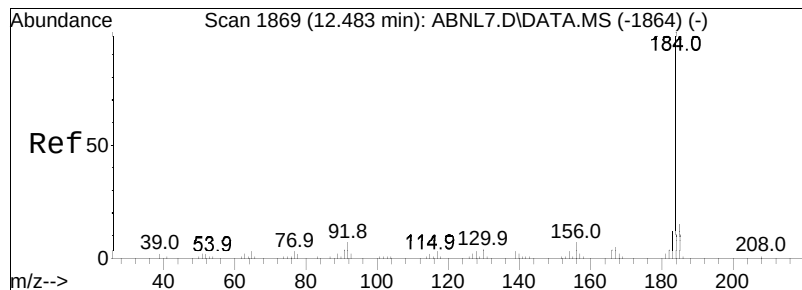
Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm



Tgt	Ion	Ratio	Lower	Upper
202	202	100		
101	101	11.5	13.5	20.3#
203	203	17.3	13.6	20.4





#94

Benzidine

Concen: 4.49 ug/ml

RT: 12.279 min Scan# 3424

Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

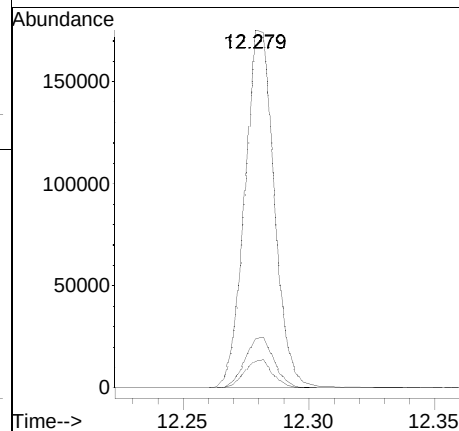
Tgt Ion:184 Resp: 141583

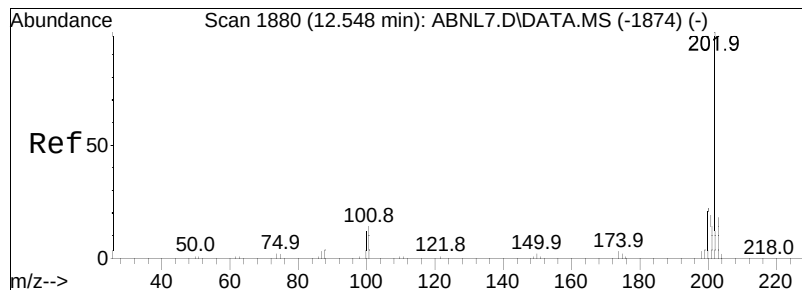
Ion Ratio Lower Upper

184 100

92 7.6 9.1 13.7#

185 14.0 11.1 16.7





#95

Pyrene

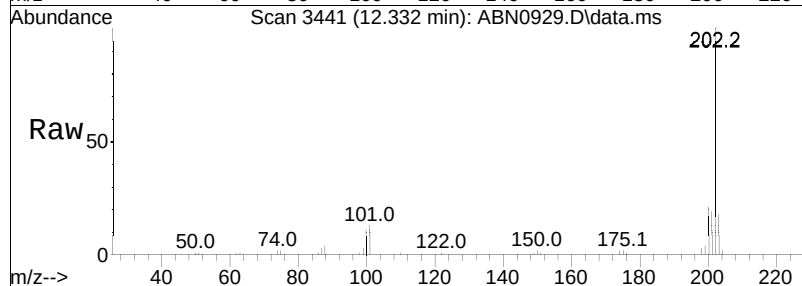
Concen: 4.92 ug/ml

RT: 12.332 min Scan# 3441

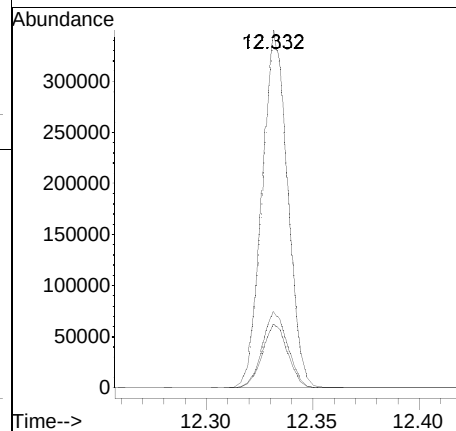
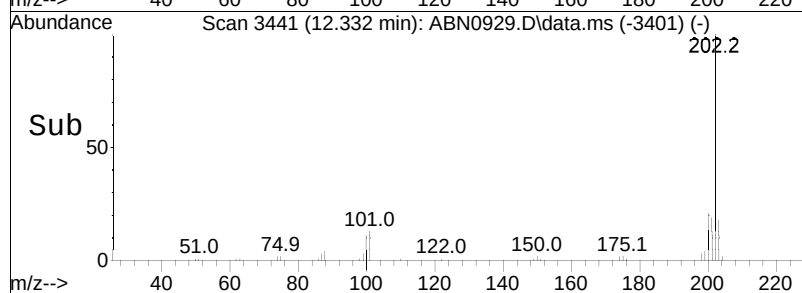
Delta R.T. 0.000 min

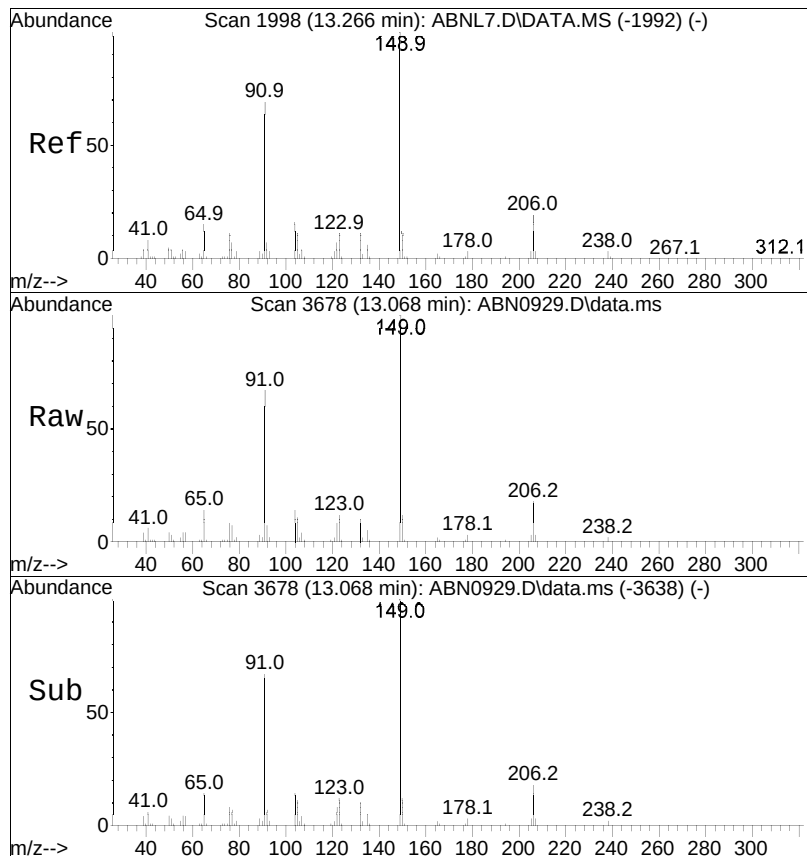
Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm



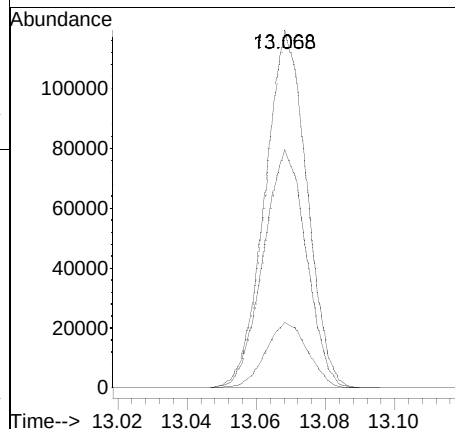
Tgt	Ion:202	Resp:	289271
Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.7	25.1
203	17.8	14.2	21.4

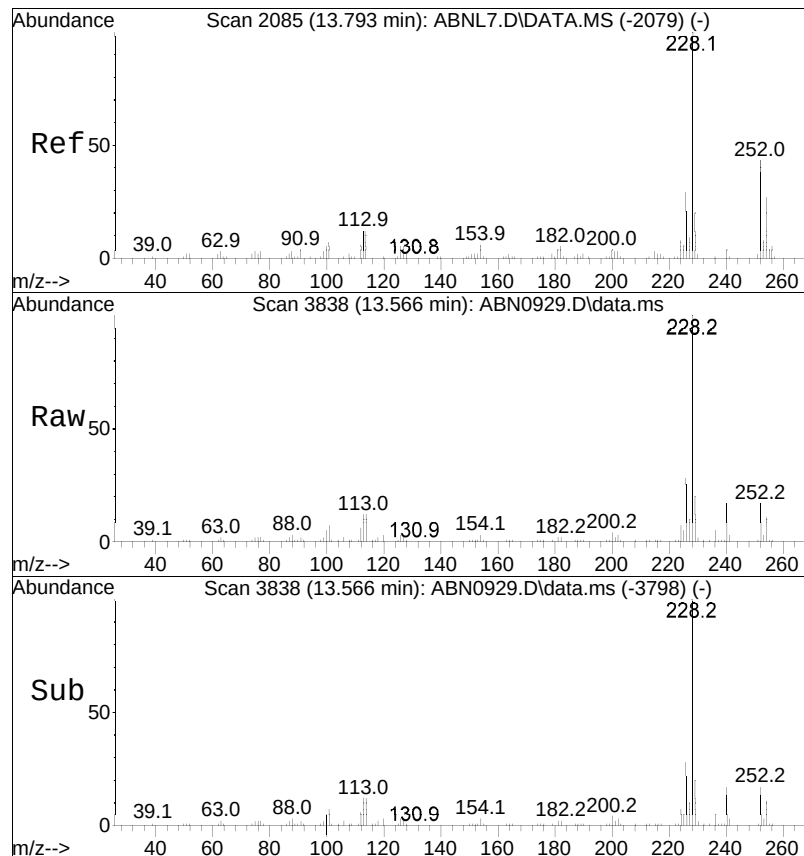




#97
 Butyl benzyl phthalate
 Concen: 4.68 ug/ml
 RT: 13.068 min Scan# 3678
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

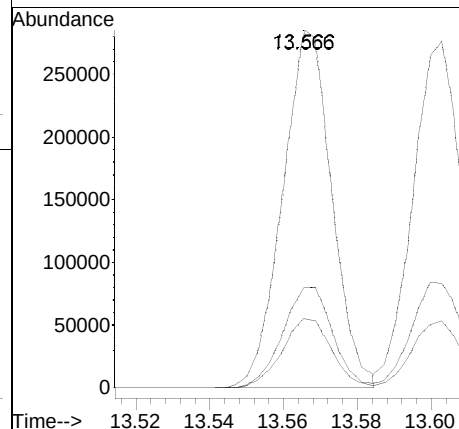
Tgt Ion:	149	Resp:	99516
Ion Ratio	Lower	Upper	
149	100		
91	68.8	63.3	94.9
206	18.7	13.9	20.9

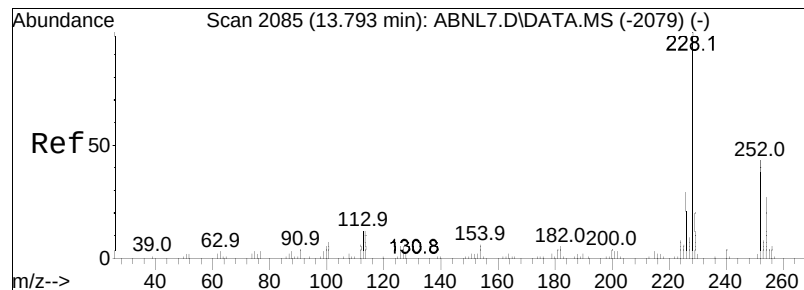




#105
 Benzo(a)anthracene
 Concen: 4.80 ug/ml
 RT: 13.566 min Scan# 3838
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

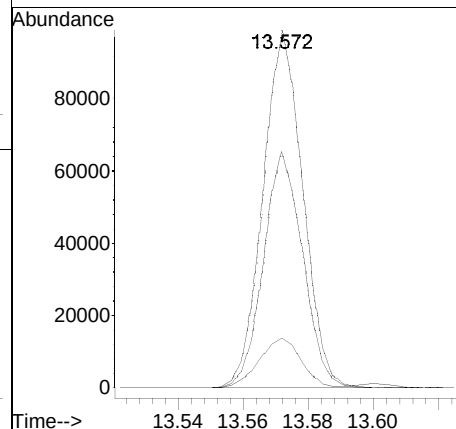
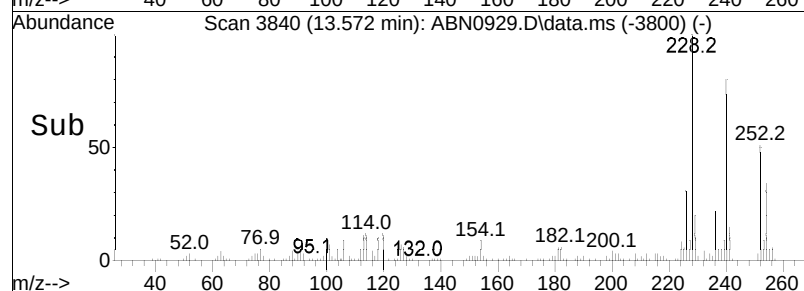
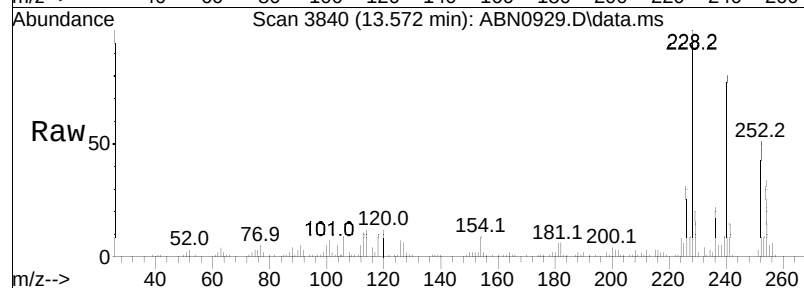
Tgt Ion:	228	Resp:	264120
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.2	33.4
229	19.6	15.6	23.4

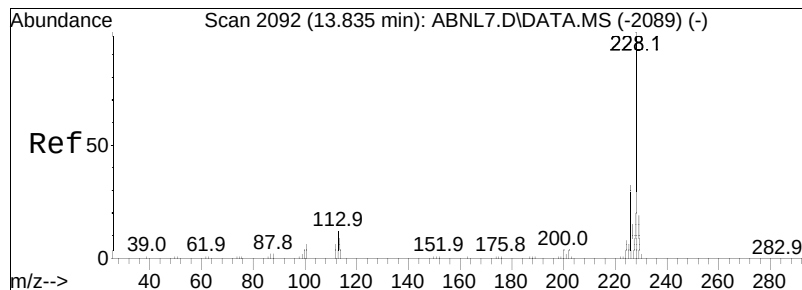




#106
 3,3'-Dichlorobenzidine
 Concen: 4.77 ug/ml
 RT: 13.572 min Scan# 3840
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

Tgt Ion	Ratio	Lower	Upper
252	100		
126	15.0	14.5	21.7
254	65.3	51.2	76.8





#107

Chrysene

Concen: 4.73 ug/ml

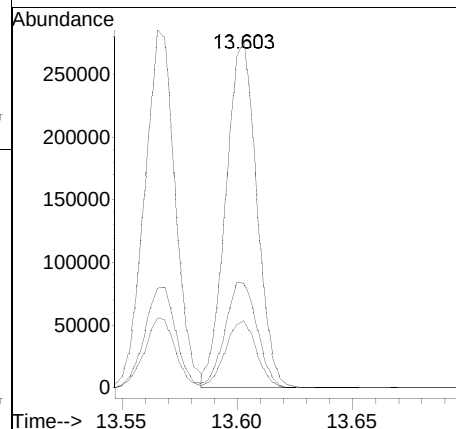
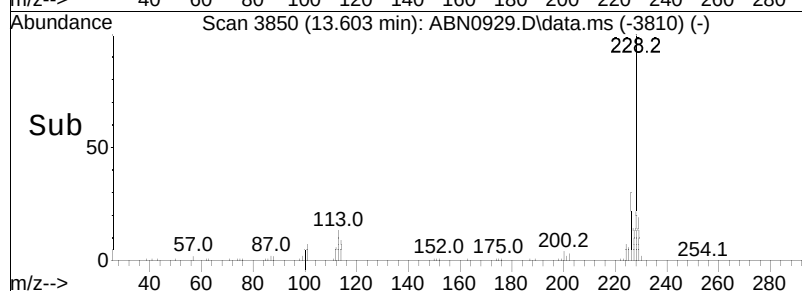
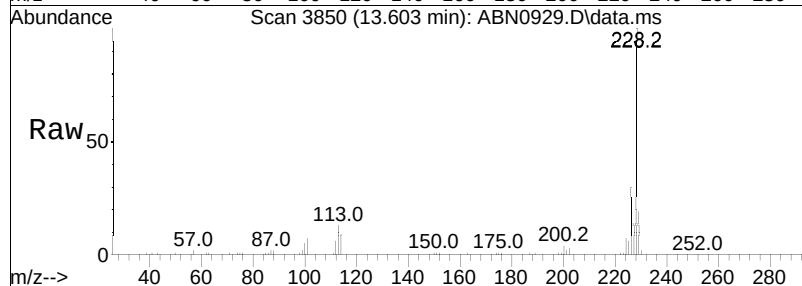
RT: 13.603 min Scan# 3850

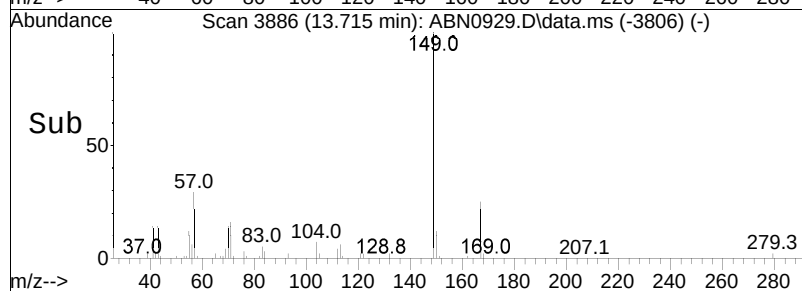
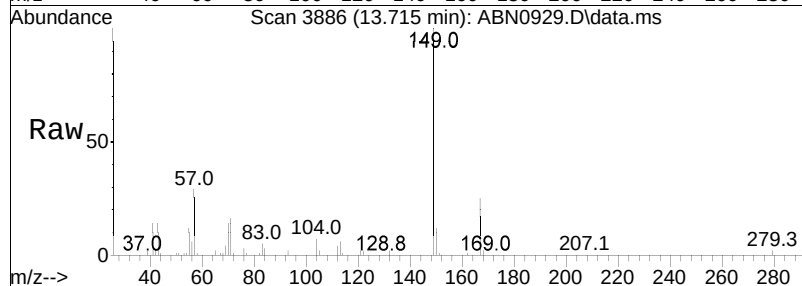
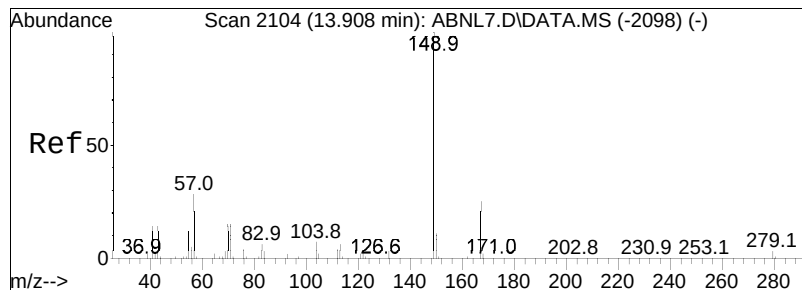
Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

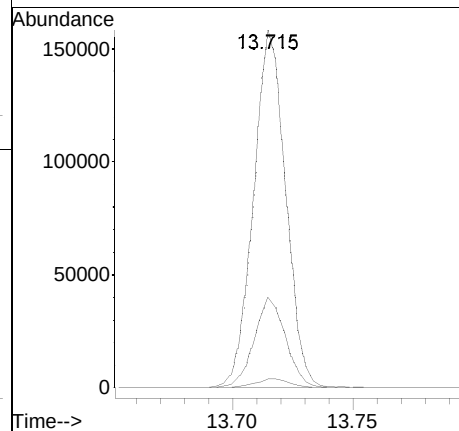
Tgt Ion:	228	Resp:	257286
Ion Ratio	Lower	Upper	
228	100		
226	31.6	24.0	36.0
229	19.5	15.8	23.8

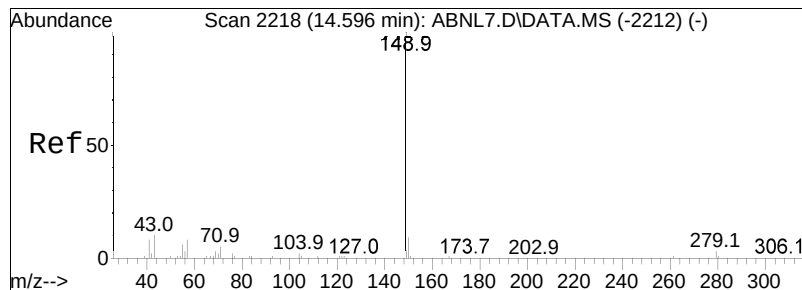




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 4.28 ug/ml
 RT: 13.715 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

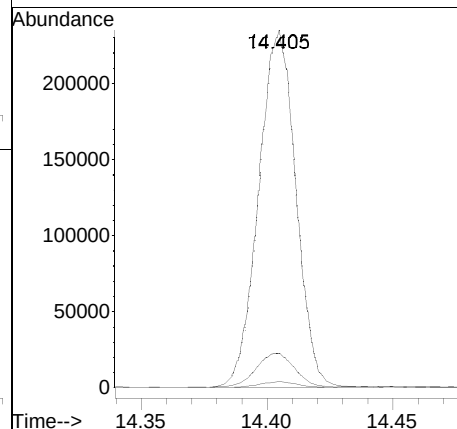
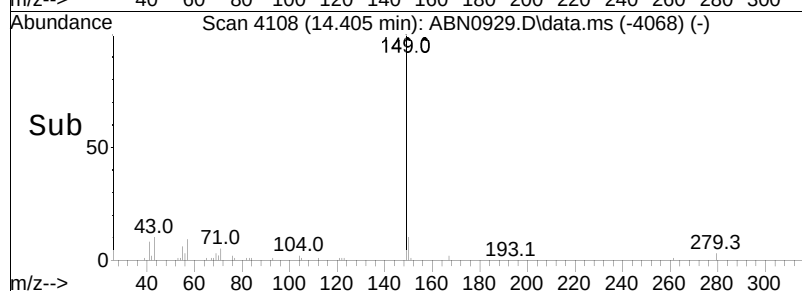
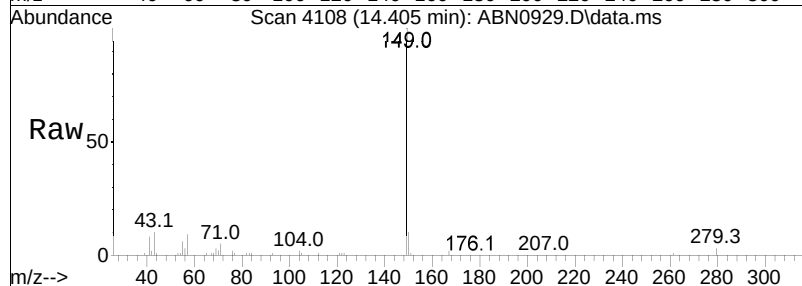
Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.8	22.1	33.1
279	2.3	3.0	4.4#

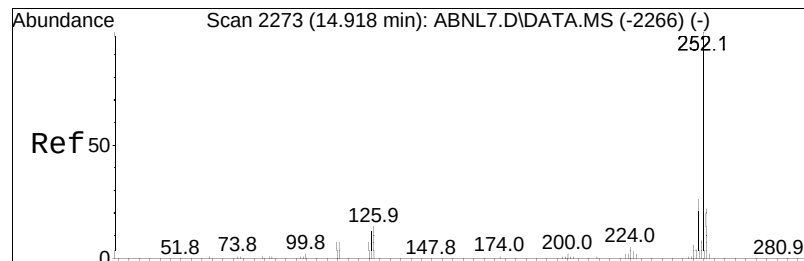




#109
 Di-n-octylphthalate
 Concen: 4.49 ug/ml
 RT: 14.405 min Scan# 4108
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

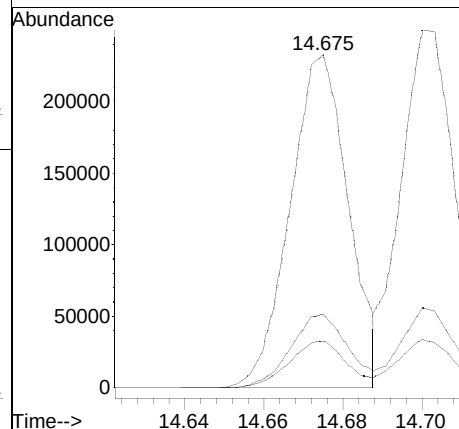
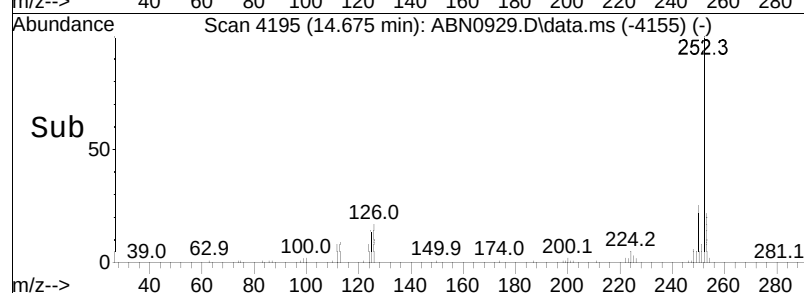
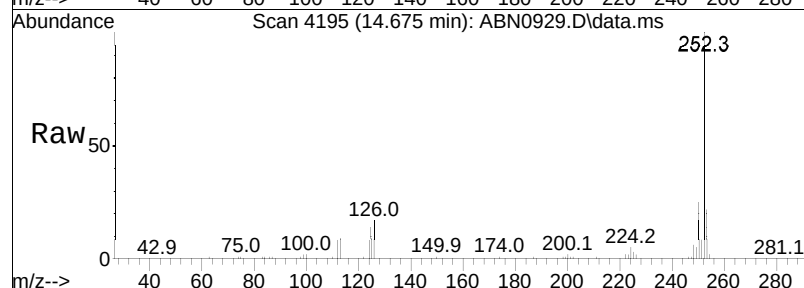
Tgt Ion	Ratio	Lower	Upper
149	100		
43	10.2	18.8	28.2#
167	1.5	1.3	1.9

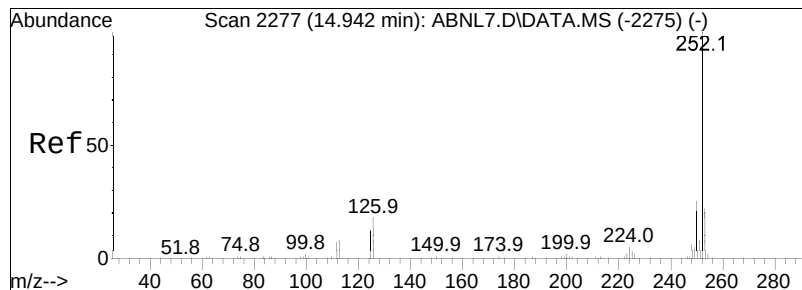




#110
 Benzo(b)fluoranthene
 Concen: 5.01 ug/ml
 RT: 14.675 min Scan# 4195
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

Tgt Ion:	252	Resp:	238871
Ion Ratio	Lower	Upper	
252	100		
125	14.0	13.3	19.9
253	21.9	17.1	25.7





#111

Benzo(k)fluoranthene

Concen: 4.99 ug/ml

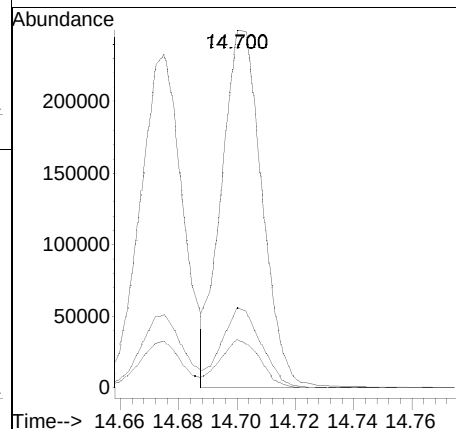
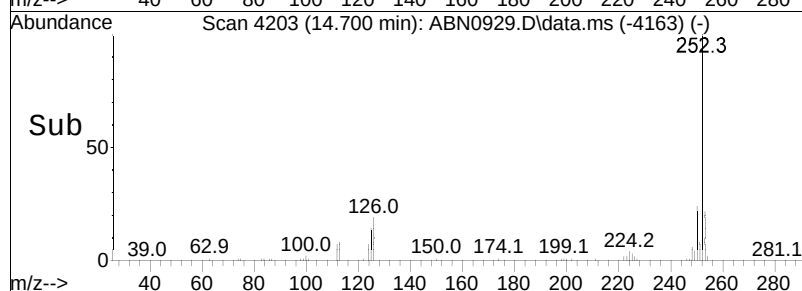
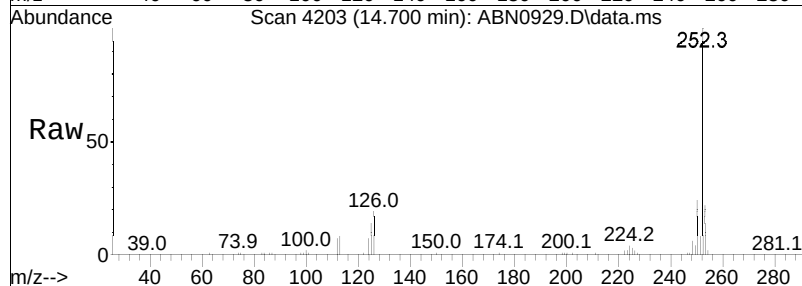
RT: 14.700 min Scan# 4203

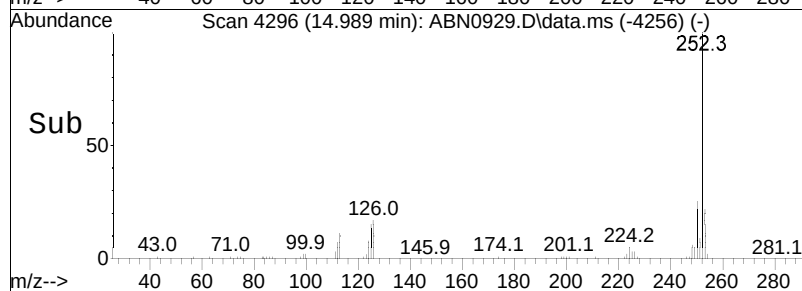
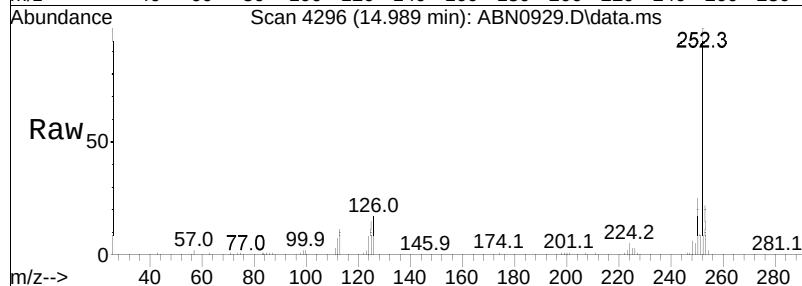
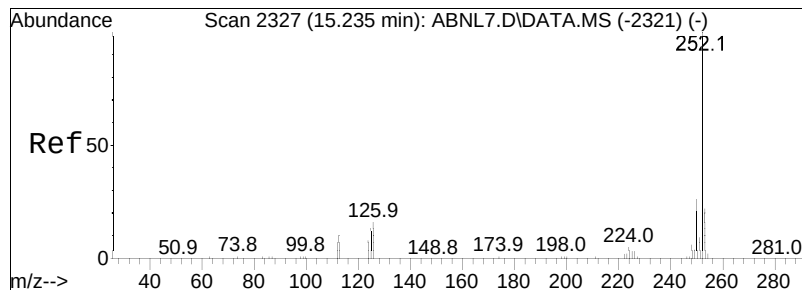
Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

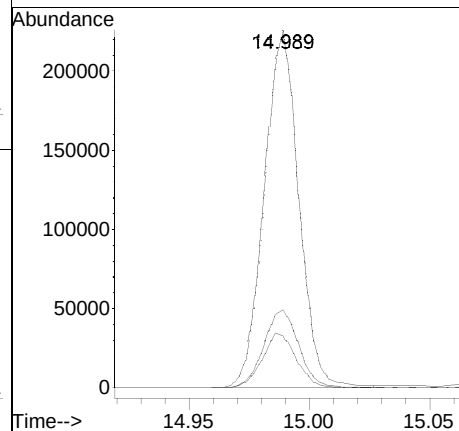
Tgt	Ion:252	Resp:	240467
Ion	Ratio	Lower	Upper
252	100		
125	13.4	13.0	19.6
253	22.0	16.8	25.2

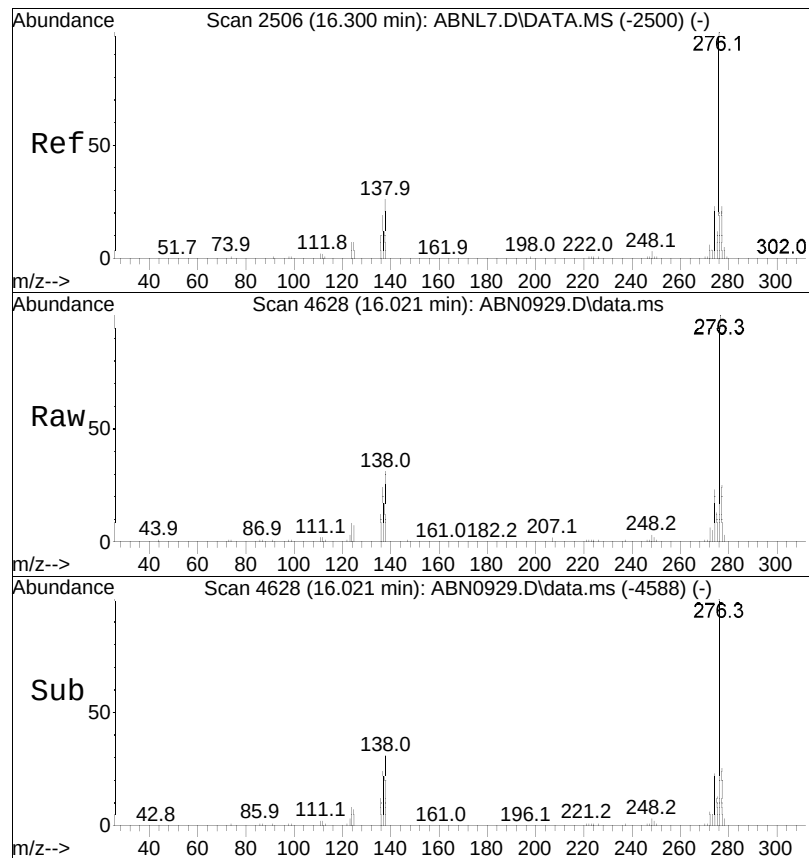




#112
Benzo(a)pyrene
Concen: 5.03 ug/ml
RT: 14.989 min Scan# 4296
Delta R.T. 0.000 min
Lab File: ABN0929.D
Acq: 29 Sep 2025 12:24 pm

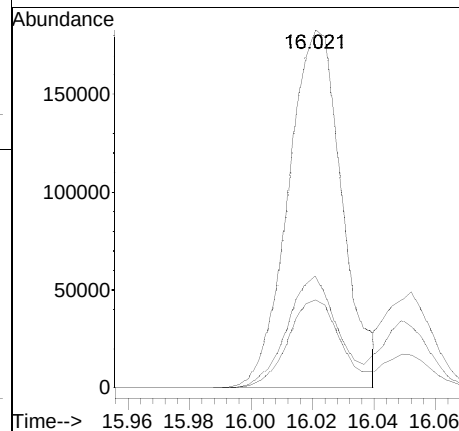
Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		223017		
125	15.2	14.2	21.2		
253	22.4	16.9	25.3		

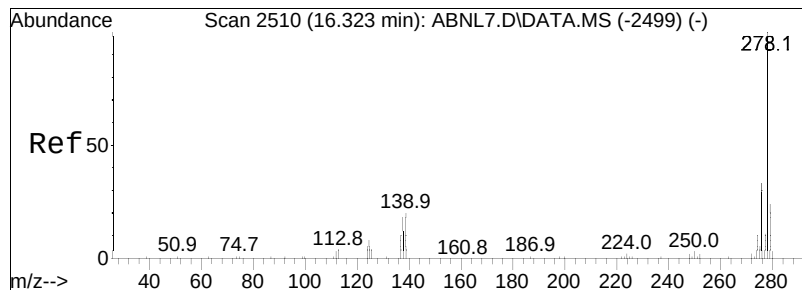




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 4.86 ug/mL
 RT: 16.021 min Scan# 4628
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

Tgt	Ion:276	Resp:	221373
Ion	Ratio	Lower	Upper
276	100		
138	29.7	25.1	37.7
277	23.8	18.6	28.0





#115

Dibenzo(a,h)anthracene

Concen: 4.71 ug/ml

RT: 16.052 min Scan# 4638

Delta R.T. 0.000 min

Lab File: ABN0929.D

Acq: 29 Sep 2025 12:24 pm

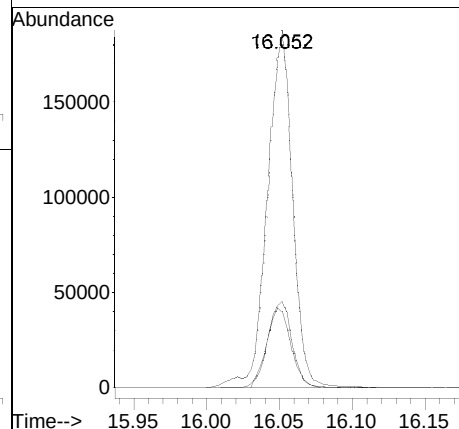
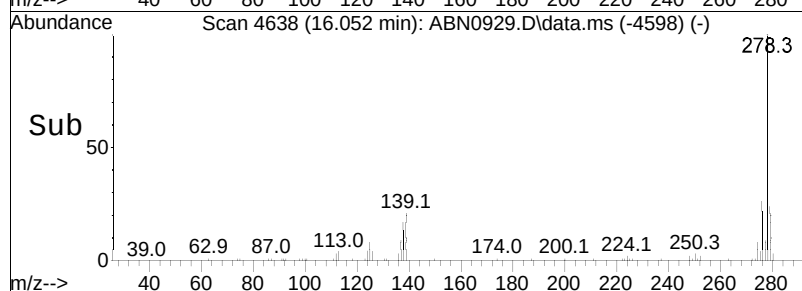
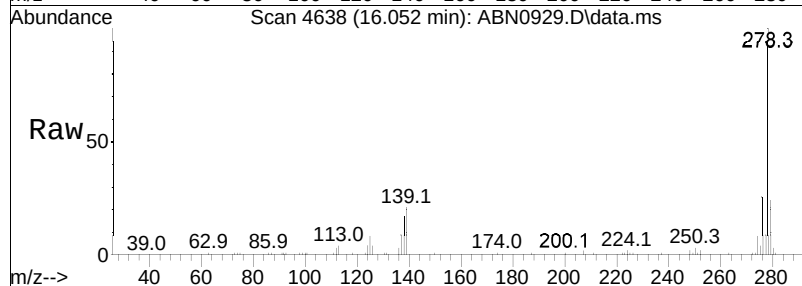
Tgt Ion: 278 Resp: 222978

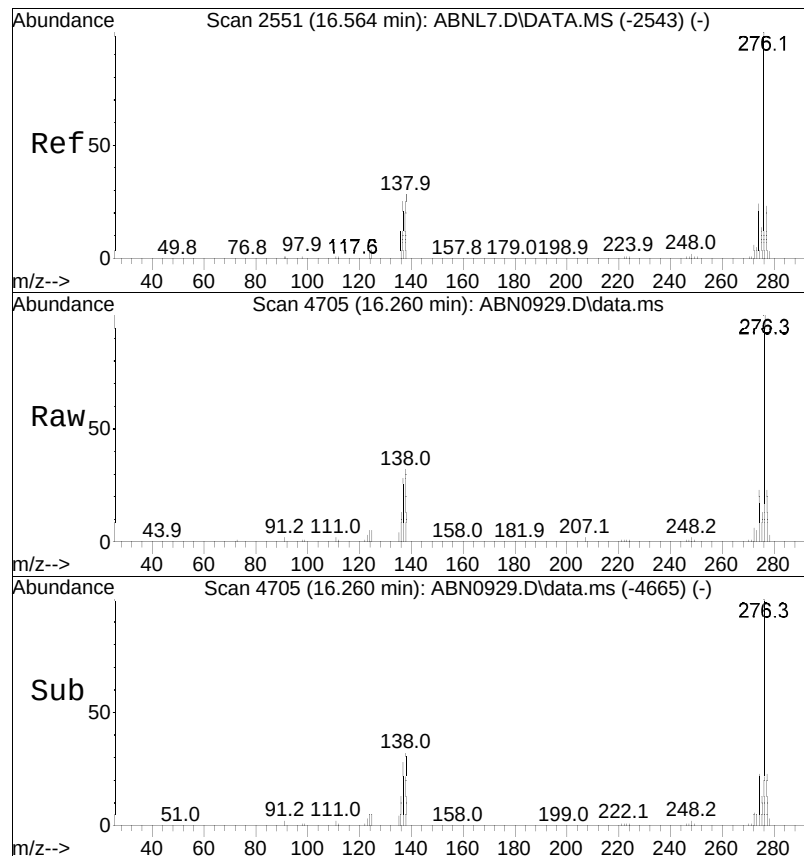
Ion Ratio Lower Upper

278 100

139 21.8 20.8 31.2

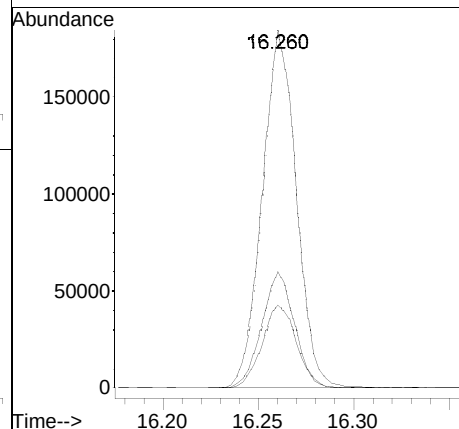
279 23.8 18.3 27.5





#116
 Benzo(ghi)perylene
 Concen: 4.81 ug/ml
 RT: 16.260 min Scan# 4705
 Delta R.T. 0.000 min
 Lab File: ABN0929.D
 Acq: 29 Sep 2025 12:24 pm

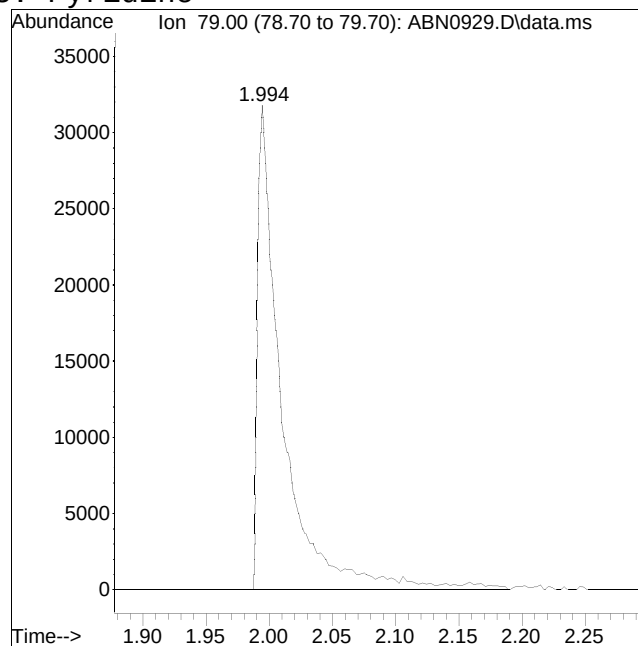
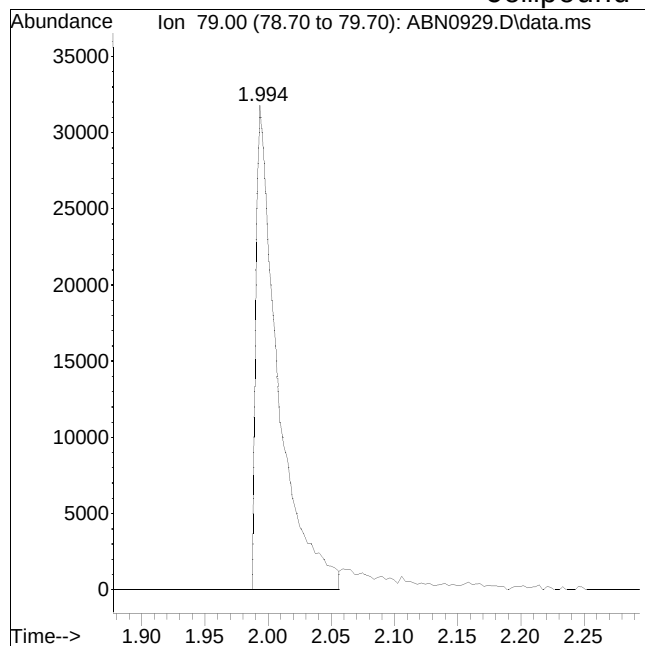
Tgt Ion:	276	Resp:	226713
Ion Ratio	Lower	Upper	
276	100		
138	31.6	29.2	43.8
277	23.6	18.8	28.2



Manual Integration Report

Data Path : I:\8270\SV107\250929RVT\ QMethod : FS250826SV107RVT.m
Data File : ABN0929.D Operator : SV107:smz
Date Inj'd : 9/29/2025 12:24 pm Instrument : SV107
Sample : wg2121049-3,32,,ABN 11823 Quant Date : 9/29/2025 1:18 pm

Compound #3: Pyridine



Original Peak Response = 38760

Manual Peak Response = 43277 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250929RVT\
 Data File : AP90929.D
 Acq On : 29 Sep 2025 12:49 pm
 Operator : SV107:smz
 Sample : wg2121049-4,32,,AP9 11662 gmr0814B
 Misc : wg2121049,,ical22052
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 29 13:22:09 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 13:19:36 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
28 T	Benzaldehyde	0.605	0.952	-57.4#	158	0.00
29 T	Acetophenone	1.796	1.651	8.1	93	0.00
30 T	m-Toluidine	1.129	1.421	-25.9#	127	0.00
31 T	2-Chloroaniline	1.545	1.510	2.3	97	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	99	0.00
56 T	a-Terpineol	0.250	0.309	-23.6#	118	0.00
57 T	3-Chloroaniline	0.117	0.145	-23.9#	112	0.00
58 T	2,6-Dichlorophenol	0.264	0.296	-12.1	103	0.00
59 T	1-chloro-2-nitrobenzene	0.124	0.136	-9.7	108	0.00
60 T	Caprolactam	0.125	0.155	-24.0#	127	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.415	0.370	10.8	91	0.00
62 T	Biphenyl	0.948	0.845	10.9	90	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	97	0.00
84 T	Dichloran	0.145	0.146	-0.7	113	0.00
85 T	Pentachloronitrobenzene	0.133	0.140	-5.3	99	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	94	0.00
99 T	Diphenamid	0.435	0.433	0.5	89	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250929RVT\
 Data File : AP90929.D
 Acq On : 29 Sep 2025 12:49 pm
 Operator : SV107:smz
 Sample : wg2121049-4,32,,AP9 11662 gmr0814B
 Misc : wg2121049,,ical22052
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 29 13:22:09 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 13:19:36 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.290	152	49895	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	7.732	136	180122	4.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	9.500	164	101971	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	10.942	188	188688	4.000	ug/ml	# 0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	5.702	105	59360	7.862	ug/ml	96
29) Acetophenone	6.799	105	102945	4.594	ug/ml#	84
30) m-Toluidine	6.902	106	88644	6.295	ug/ml	95
31) 2-Chloroaniline	7.306	127	94147	4.885	ug/ml#	94
56) a-Terpineol	7.813	59	69604	6.179	ug/ml	93
57) 3-Chloroaniline	7.822	65	32661	6.218	ug/ml	88
58) 2,6-Dichlorophenol	7.847	162	66716	5.610	ug/ml#	87
59) 1-chloro-2-nitrobenzene	8.117	111	30564	5.464	ug/ml#	1
60) Caprolactam	8.164	55	34842	6.194	ug/ml#	82
61) 1,2,4,5-Tetrachloroben...	8.646	216	83313	4.462	ug/ml	97
62) Biphenyl	8.956	154	190318	4.460	ug/ml	100
84) Dichloran	10.638	206	18617	5.053	ug/ml#	67
85) Pentachloronitrobenzene	10.781	237	17829	5.276	ug/ml#	83
99) Diphenamid	11.862	167	102086	4.979	ug/ml#	81

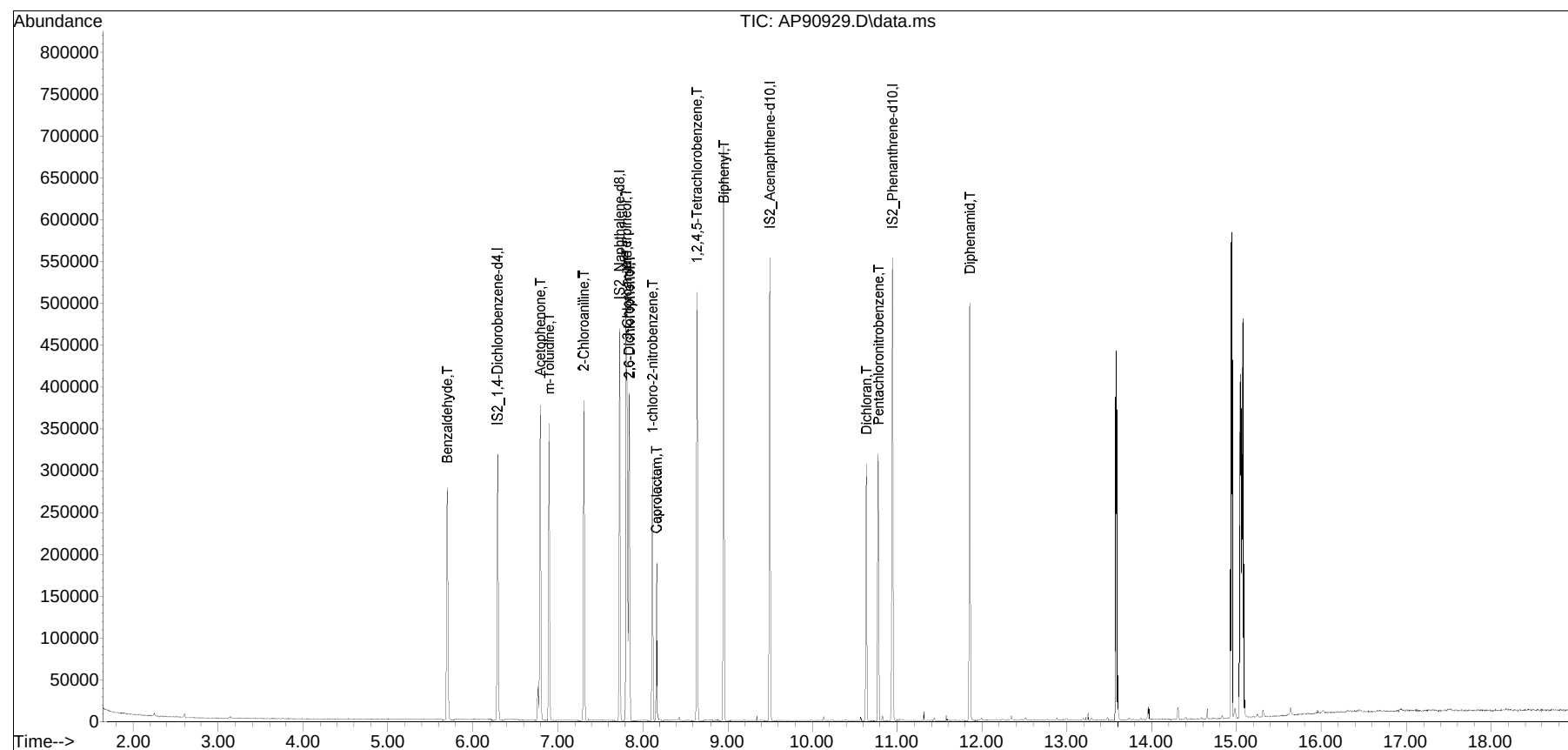
(#) = qualifier out of range (m) = manual integration (+) = signals summed

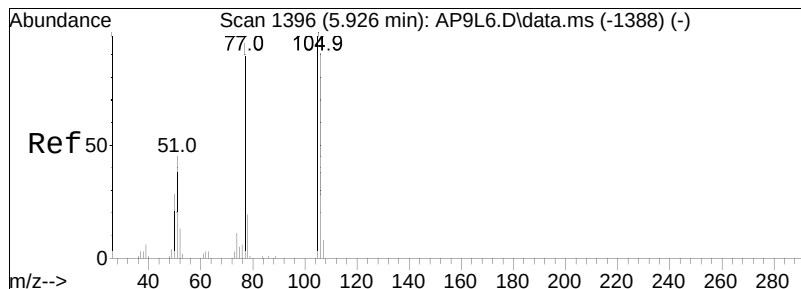
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250929RVT\
 Data File : AP90929.D
 Acq On : 29 Sep 2025 12:49 pm
 Operator : SV107:smz
 Sample : wg2121049-4,32,,AP9 11662 gmr0814B
 Misc : wg2121049,,ical22052
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 29 13:22:09 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 13:19:36 2025
 Response via : Initial Calibration

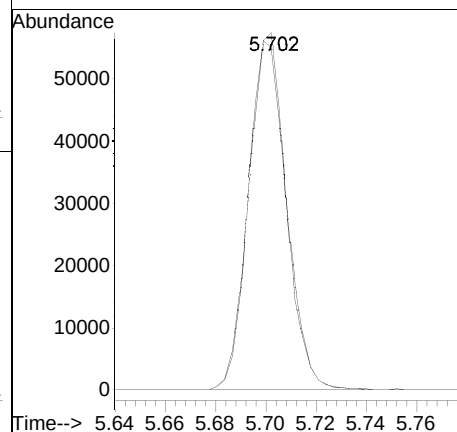
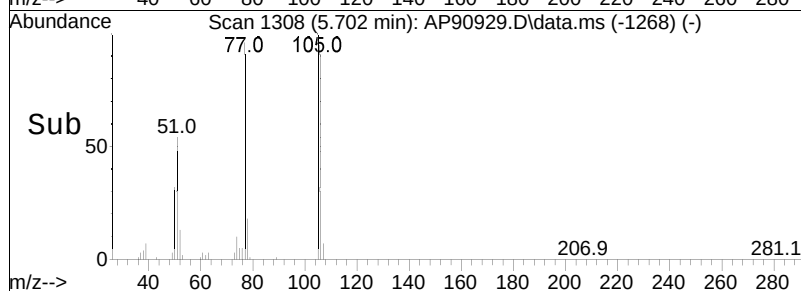
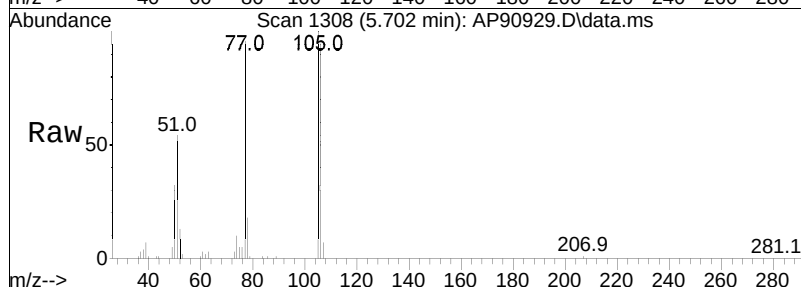
Sub List : AP9ical - AP9 ical sublist

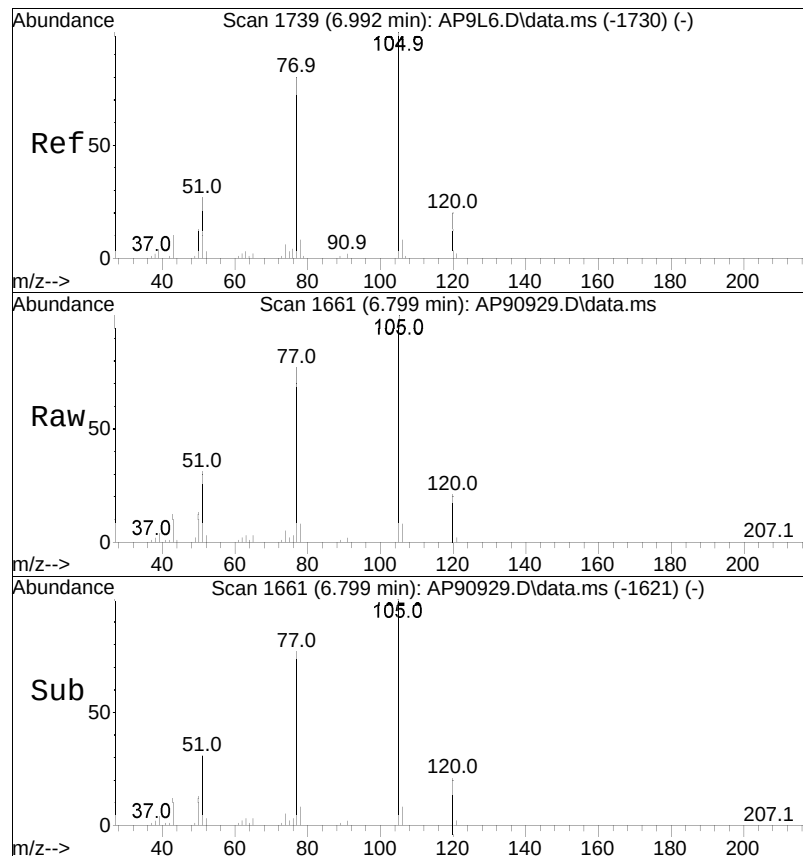




#28
Benzaldehyde
Concen: 7.86 ug/ml
RT: 5.702 min Scan# 1308
Delta R.T. 0.000 min
Lab File: AP90929.D
Acq: 29 Sep 2025 12:49 pm

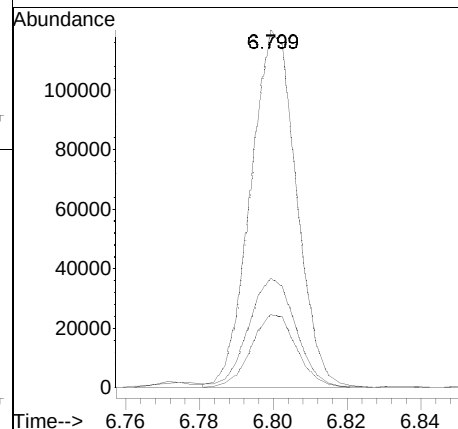
Tgt Ion:105 Resp: 59360
Ion Ratio Lower Upper
105 100
77 98.9 82.2 123.4

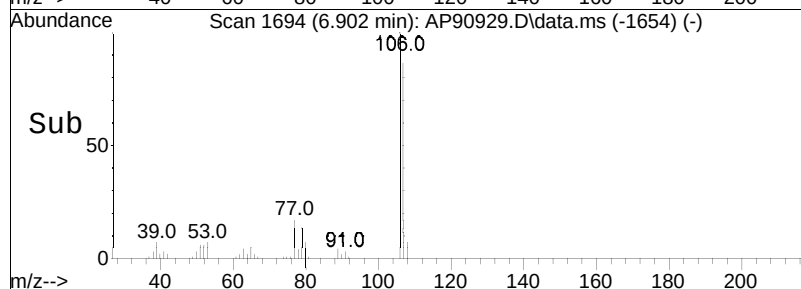
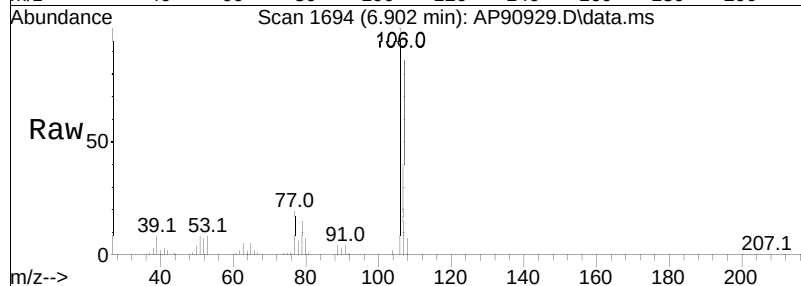
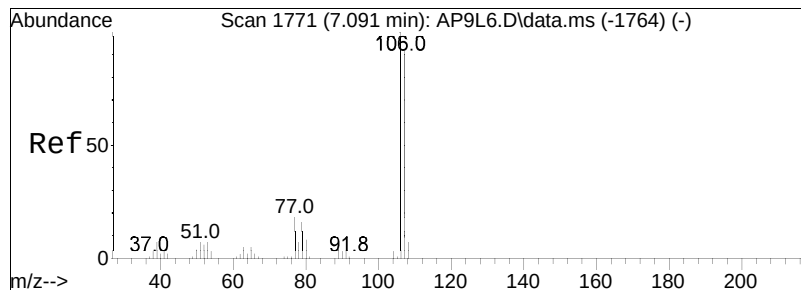




#29
 Acetophenone
 Concen: 4.59 ug/ml
 RT: 6.799 min Scan# 1661
 Delta R.T. 0.000 min
 Lab File: AP90929.D
 Acq: 29 Sep 2025 12:49 pm

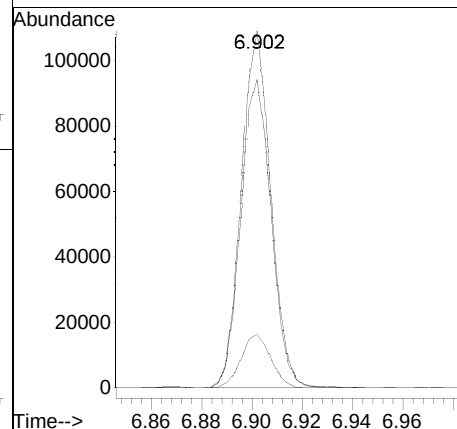
Tgt Ion	105	Resp	102945
Ion Ratio	Lower	Upper	
105	100		
120	20.3	20.5	30.7#
51	31.7	34.9	52.3#

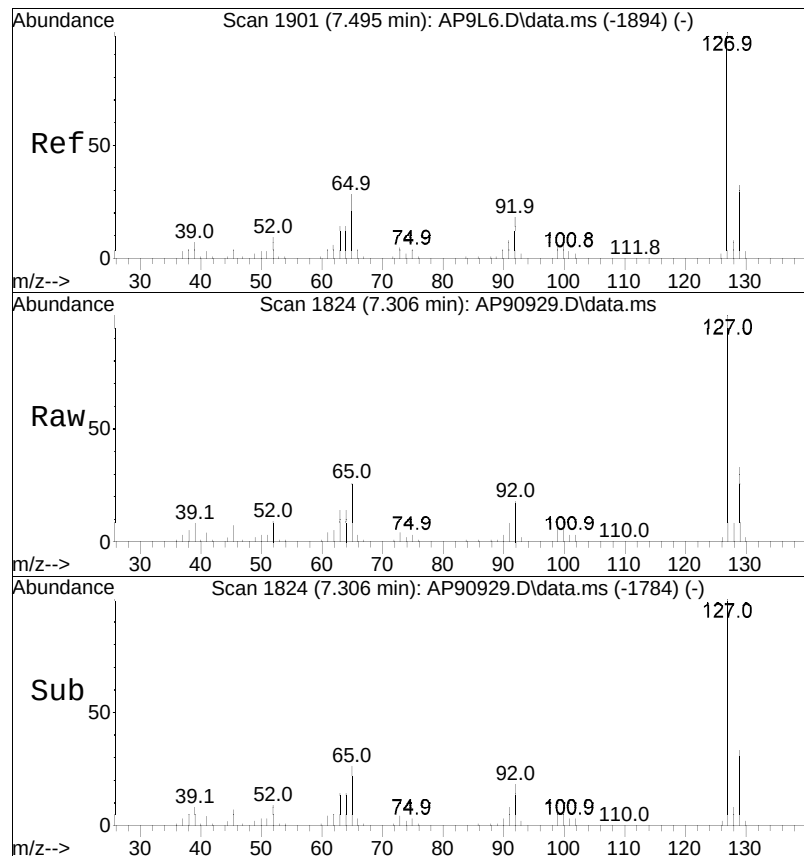




#30
 m-Toluidine
 Concen: 6.30 ug/ml
 RT: 6.902 min Scan# 1694
 Delta R.T. 0.000 min
 Lab File: AP90929.D
 Acq: 29 Sep 2025 12:49 pm

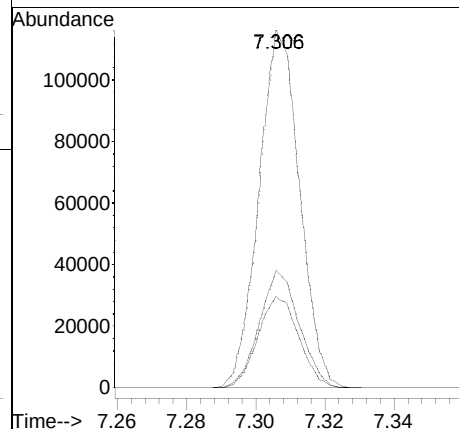
Tgt Ion	Ratio	Lower	Upper
106	100		
107	88.9	75.7	113.5
79	15.1	11.8	17.8

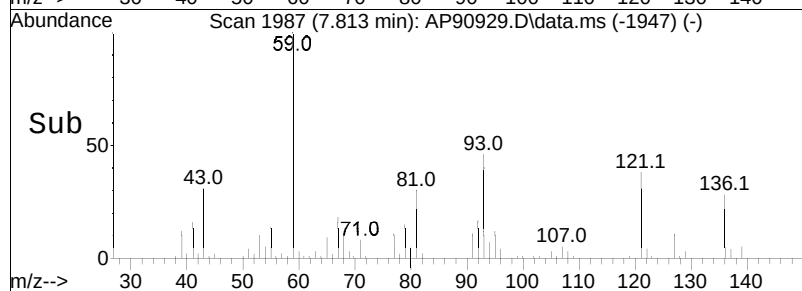
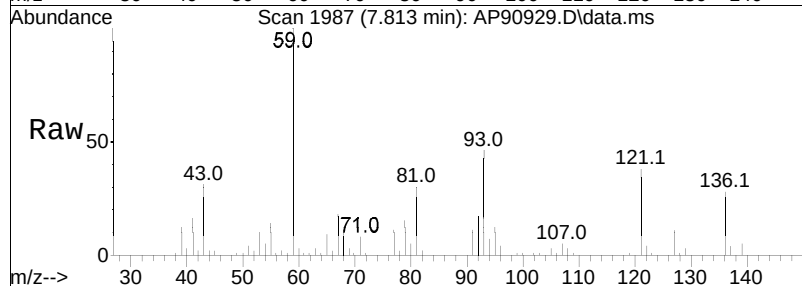
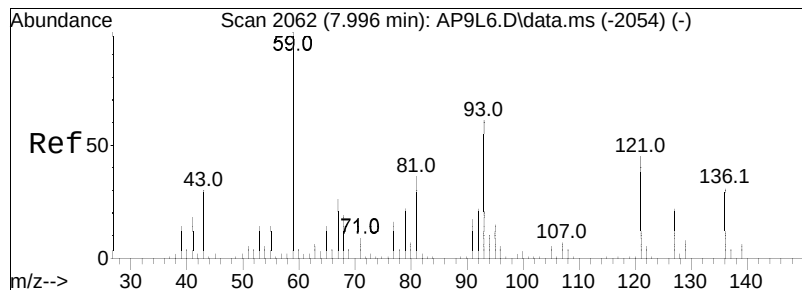




#31
 2-Chloroaniline
 Concen: 4.88 ug/ml
 RT: 7.306 min Scan# 1824
 Delta R.T. 0.000 min
 Lab File: AP90929.D
 Acq: 29 Sep 2025 12:49 pm

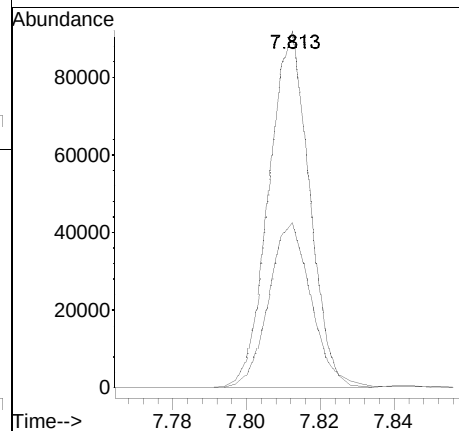
Tgt Ion:	127	Resp:	94147
Ion Ratio	Lower	Upper	
127	100		
129	32.3	25.9	38.9
65	25.8	26.3	39.5#

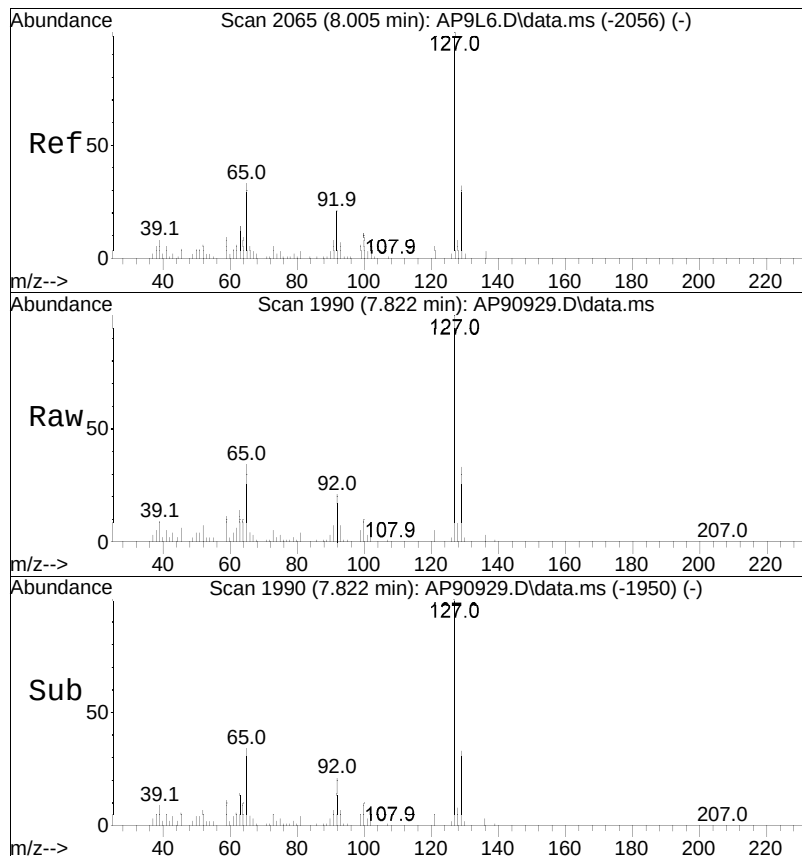




#56
a-Terpineol
Concen: 6.18 ug/ml
RT: 7.813 min Scan# 1987
Delta R.T. 0.000 min
Lab File: AP90929.D
Acq: 29 Sep 2025 12:49 pm

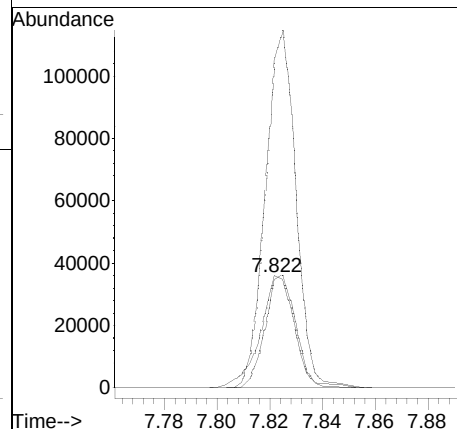
Tgt Ion	Ratio	Lower	Upper
59	100		
93	48.8	35.6	53.4

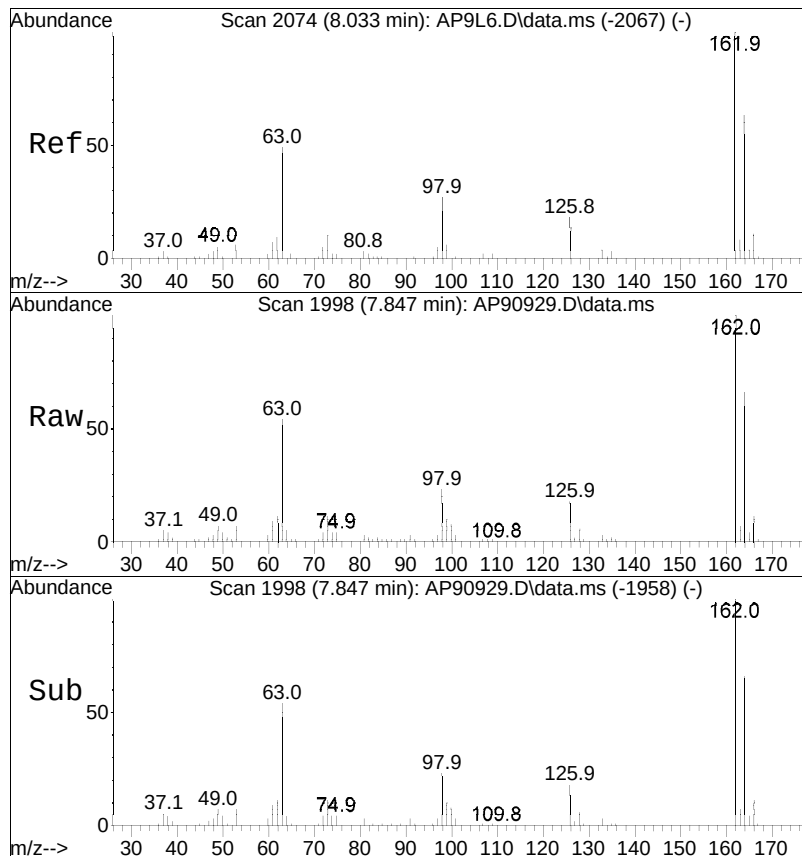




#57
 3-Chloroaniline
 Concen: 6.22 ug/ml
 RT: 7.822 min Scan# 1990
 Delta R.T. 0.000 min
 Lab File: AP90929.D
 Acq: 29 Sep 2025 12:49 pm

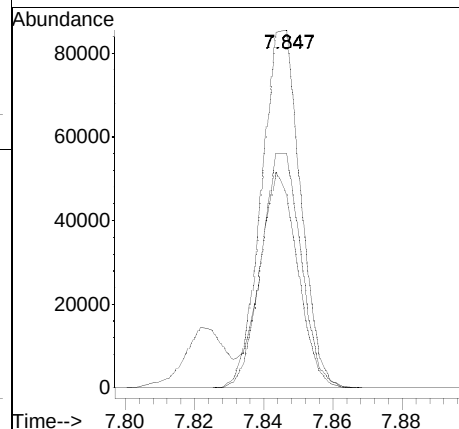
Tgt Ion:	65	Resp:	32661
Ion Ratio	Lower	Upper	
65	100		
127	279.9	243.2	364.8
129	89.0	78.8	118.2

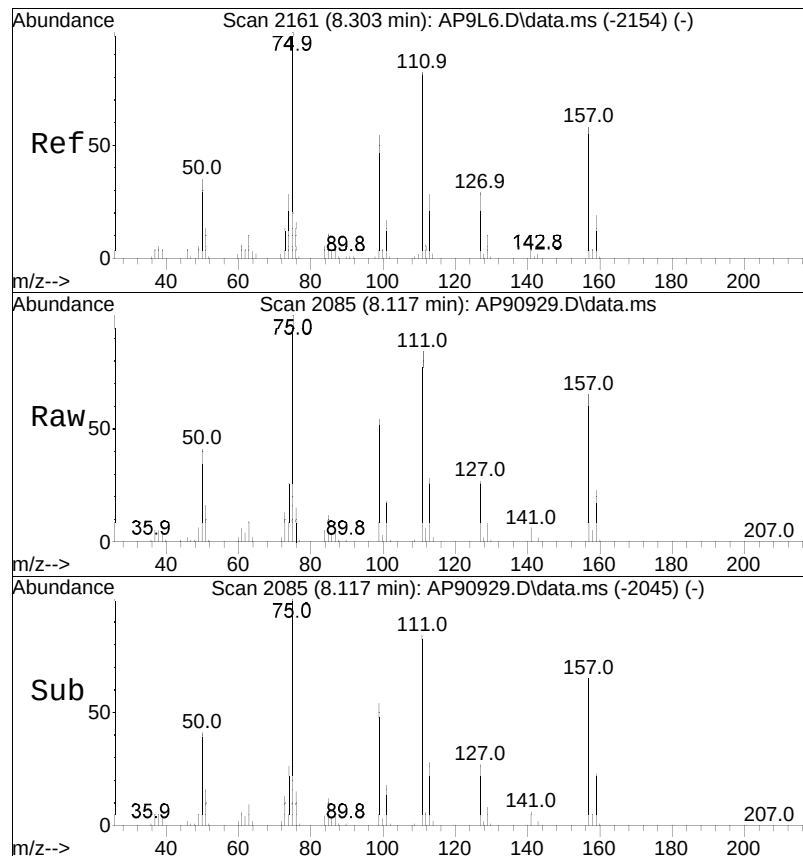




#58
 2,6-Dichlorophenol
 Concen: 5.61 ug/ml
 RT: 7.847 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: AP90929.D
 Acq: 29 Sep 2025 12:49 pm

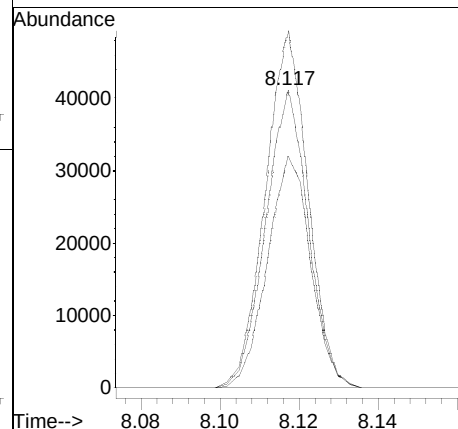
Tgt Ion:	162	Resp:	66716
Ion Ratio	Lower	Upper	
162	100		
164	66.5	51.1	76.7
63	58.6	60.8	91.2#

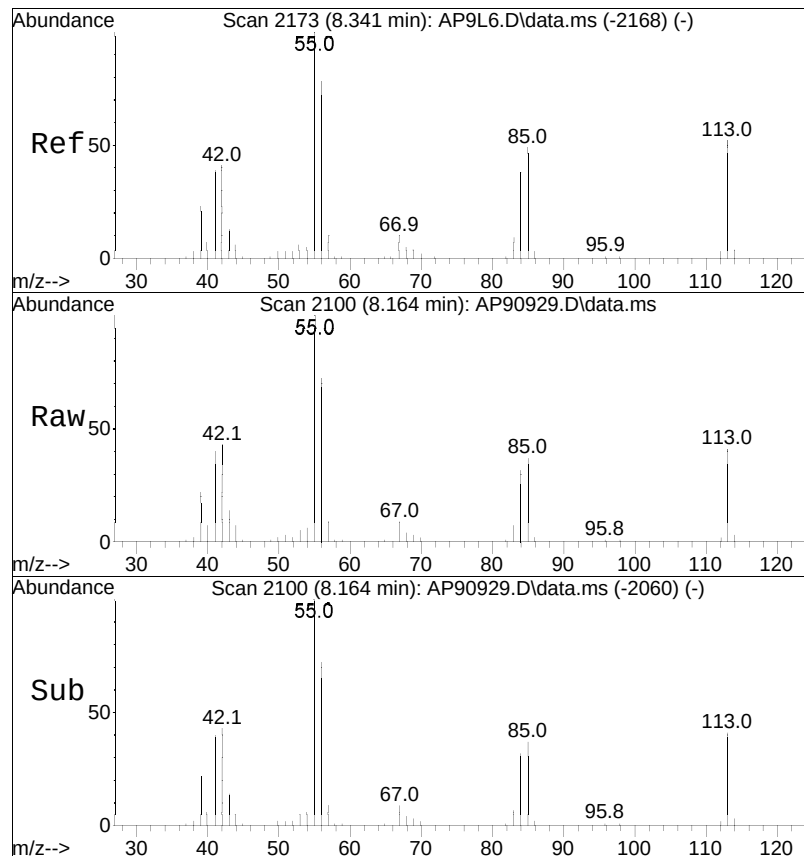




#59
 1-chloro-2-nitrobenzene
 Concen: 5.46 ug/ml
 RT: 8.117 min Scan# 2085
 Delta R.T. 0.000 min
 Lab File: AP90929.D
 Acq: 29 Sep 2025 12:49 pm

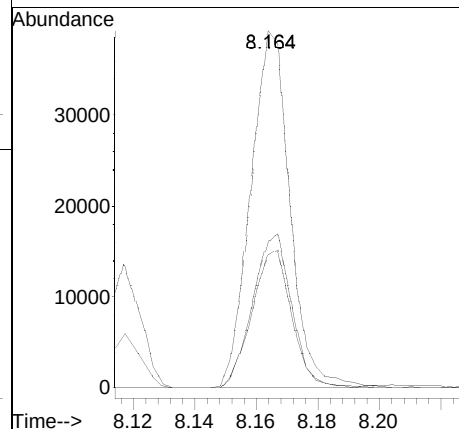
Tgt Ion:	111	Resp:	30564
Ion Ratio	Lower	Upper	
111	100		
157	79.1	0.0	0.0#
75	120.2	28.2	42.2#

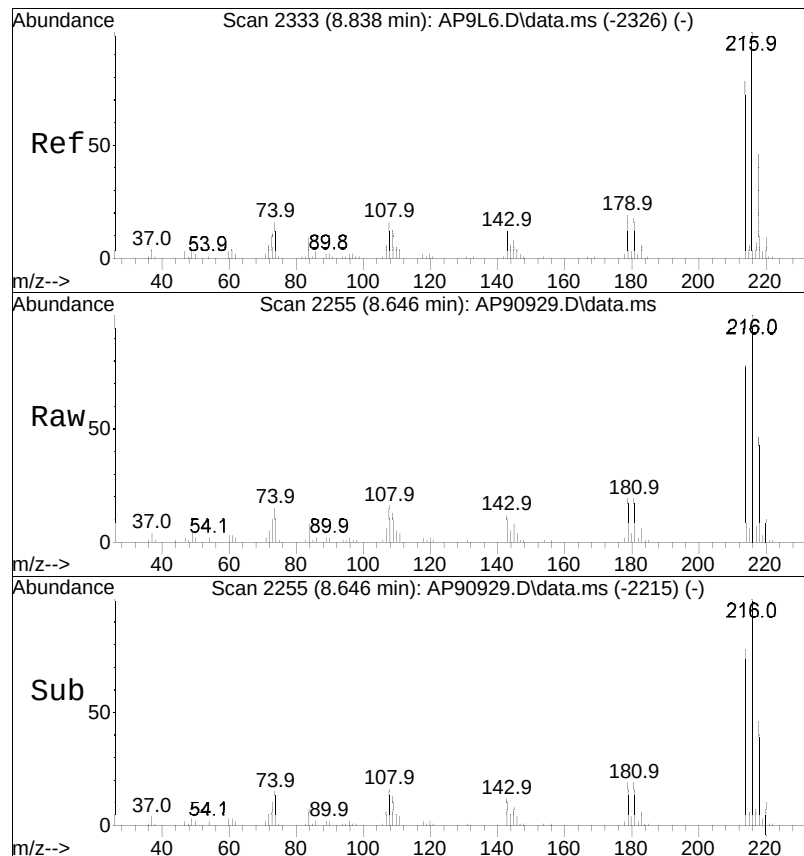




#60
 Caprolactam
 Concen: 6.19 ug/ml
 RT: 8.164 min Scan# 2100
 Delta R.T. 0.000 min
 Lab File: AP90929.D
 Acq: 29 Sep 2025 12:49 pm

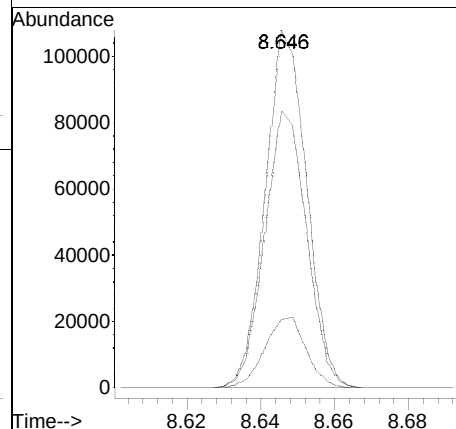
Tgt Ion:	55	Resp:	34842
Ion Ratio	Lower	Upper	
55	100		
85	39.4	19.8	29.6#
113	42.9	29.6	44.4

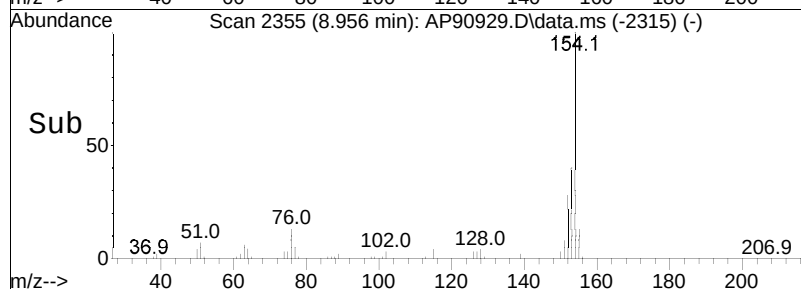
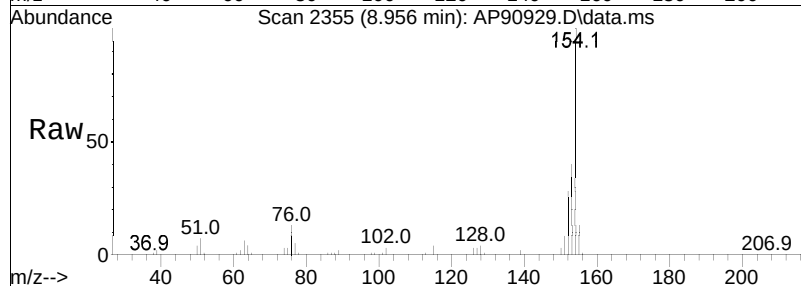
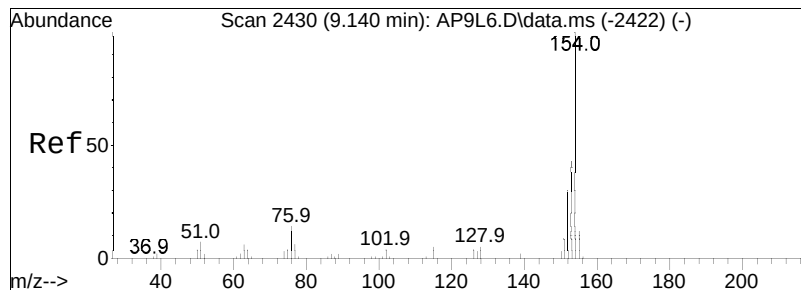




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.46 ug/ml
 RT: 8.646 min Scan# 2255
 Delta R.T. 0.000 min
 Lab File: AP90929.D
 Acq: 29 Sep 2025 12:49 pm

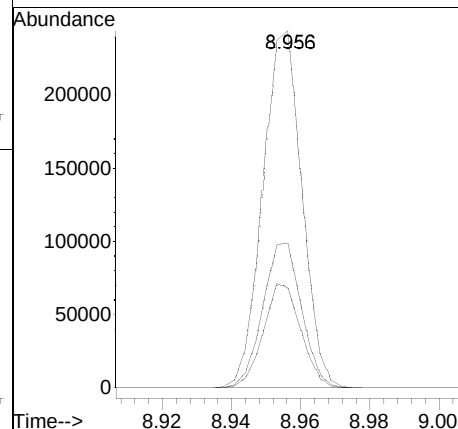
Tgt Ion:	216	Resp:	83313
Ion Ratio	Lower	Upper	
216	100		
214	78.5	63.7	95.5
179	19.8	19.0	28.6

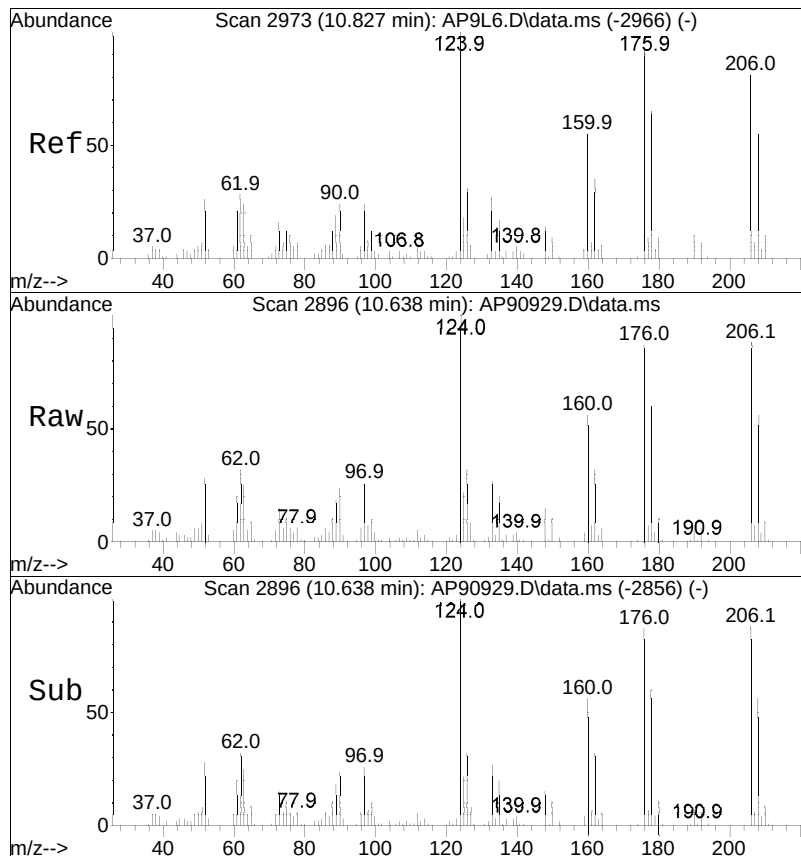




#62
 Biphenyl
 Concen: 4.46 ug/ml
 RT: 8.956 min Scan# 2355
 Delta R.T. 0.000 min
 Lab File: AP90929.D
 Acq: 29 Sep 2025 12:49 pm

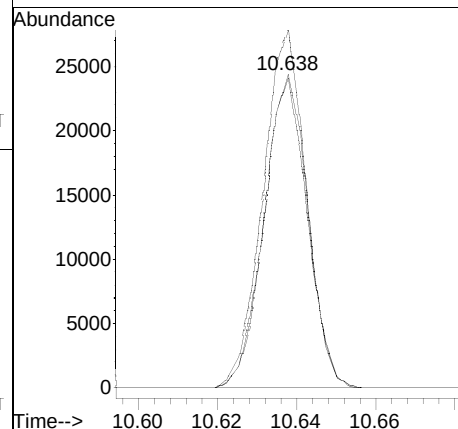
Tgt Ion	154	Resp	190318
Ion Ratio	Lower	Upper	
154	100		
153	40.4	32.3	48.5
152	28.3	22.5	33.7

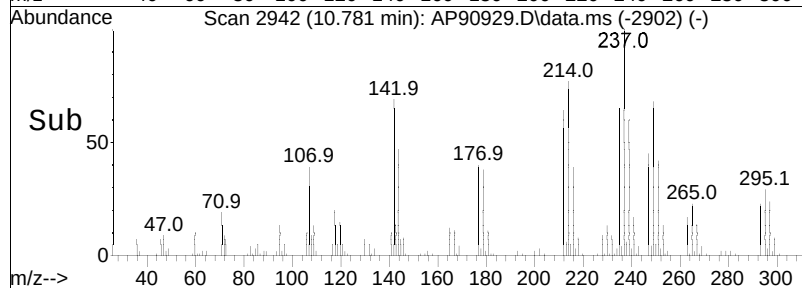
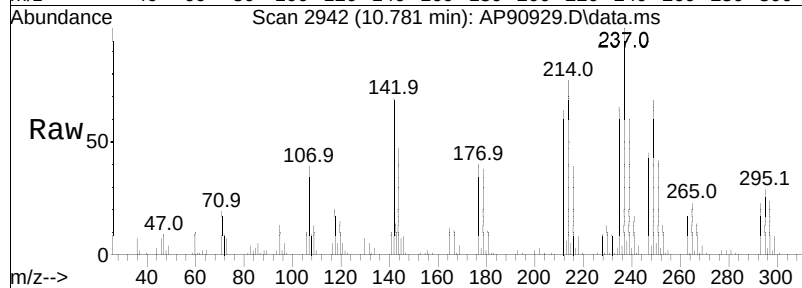
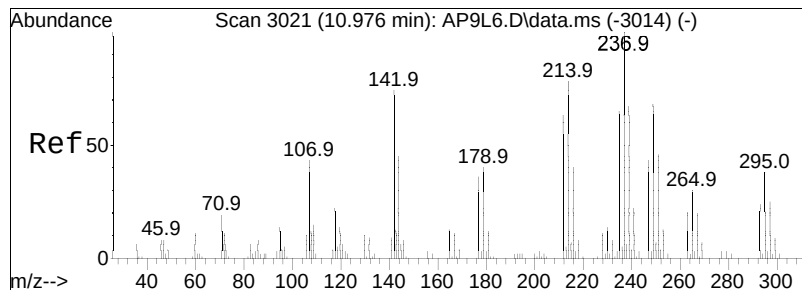




#84
 Dichloran
 Concen: 5.05 ug/ml
 RT: 10.638 min Scan# 2896
 Delta R.T. 0.000 min
 Lab File: AP90929.D
 Acq: 29 Sep 2025 12:49 pm

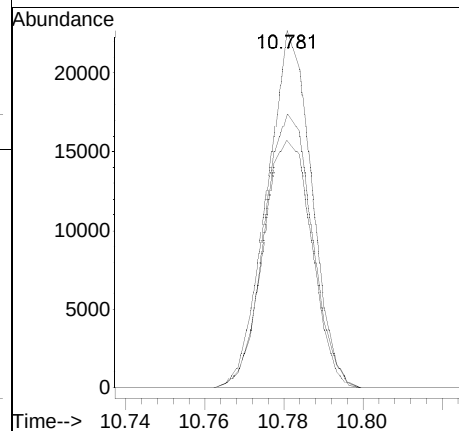
Tgt	Ion:206	Resp:	18617
Ion	Ratio	Lower	Upper
206	100		
176	97.6	104.6	157.0#
124	113.4	130.5	195.7#

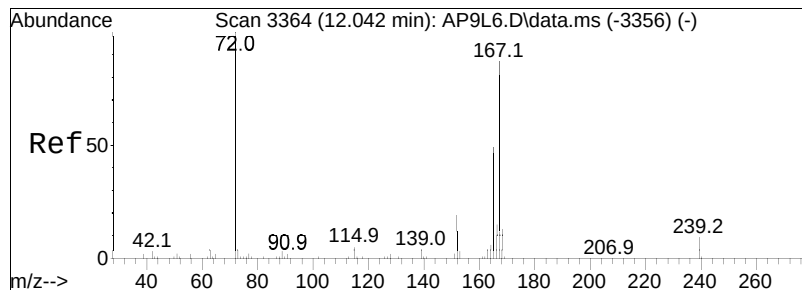




#85
 Pentachloronitrobenzene
 Concen: 5.28 ug/ml
 RT: 10.781 min Scan# 2942
 Delta R.T. 0.000 min
 Lab File: AP90929.D
 Acq: 29 Sep 2025 12:49 pm

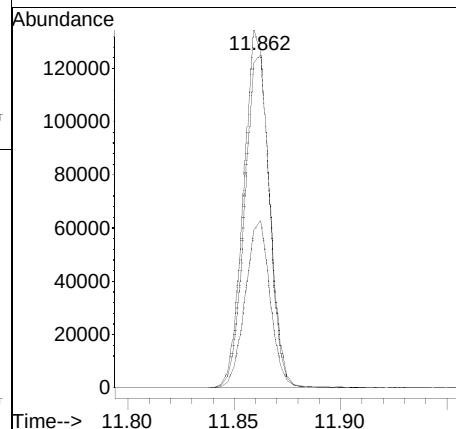
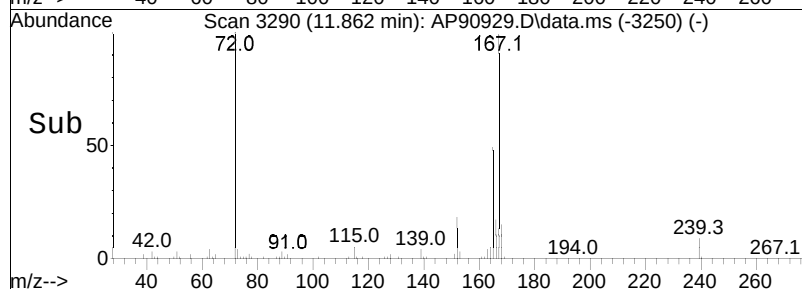
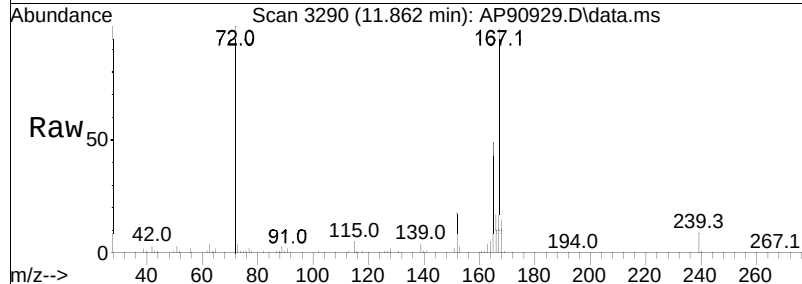
Tgt Ion	Ratio	Lower	Upper
237	100		
142	75.4	77.0	115.4#
214	81.7	58.2	87.4





#99
 Diphenamid
 Concen: 4.98 ug/ml
 RT: 11.862 min Scan# 3290
 Delta R.T. 0.000 min
 Lab File: AP90929.D
 Acq: 29 Sep 2025 12:49 pm

Tgt Ion	Ratio	Lower	Upper
167	100		
72	106.8	109.7	164.5#
165	50.3	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV107\250929RVT\	QMethod	: FS250826SV107RVT.m
Data File	: AP90929.D	Operator	: SV107:smz
Date Inj'd	: 9/29/2025 12:49 pm	Instrument	: SV107
Sample	: wg2121049-4,32,,AP9 11662	Quant Date	: 9/29/2025 1:19 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250929RVT\
 Data File : ADP0929.D
 Acq On : 29 Sep 2025 1:14 pm
 Operator : SV107:smz
 Sample : wg2121049-5,32,,ADP 11661 gmr0913B
 Misc : wg2121049,,ical22052
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 29 16:55:57 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 13:37:47 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	75	0.00
33	1,4-Dioxane	0.545	0.522	4.2	79	0.00
34 T	n-Decane	1.567	1.708	-9.0	86	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	75	0.00
87 T	Atrazine	0.330	0.353	-7.0	79	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	75	0.00
101 T	n-Octadecane	0.441	0.466	-5.7	77	0.00
102 T	Parathion	* 5.000	5.458	-9.2	94	0.00
103 T	3,3'-Dimethylbenzidine	* 5.000	4.145	17.1	69	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250929RVT\
 Data File : ADP0929.D
 Acq On : 29 Sep 2025 1:14 pm
 Operator : SV107:smz
 Sample : wg2121049-5,32,,ADP 11661 gmr0913B
 Misc : wg2121049,,ical22052
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 29 16:55:57 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 13:37:47 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.290	152	41741	4.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	9.500	164	89377	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	10.939	188	176496	4.000	ug/ml	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.702	88	27233	4.787	ug/ml#	67
34) n-Decane	6.181	57	89128	5.451	ug/ml#	51
87) Atrazine	10.725	200	39407	5.342	ug/ml	96
101) n-Octadecane	10.936	57	102788	5.285	ug/ml#	1
102) Parathion	11.741	109	18902	5.458	ug/ml	95
103) 3,3'-Dimethylbenzidine	13.019	212	99742	4.145	ug/ml	97

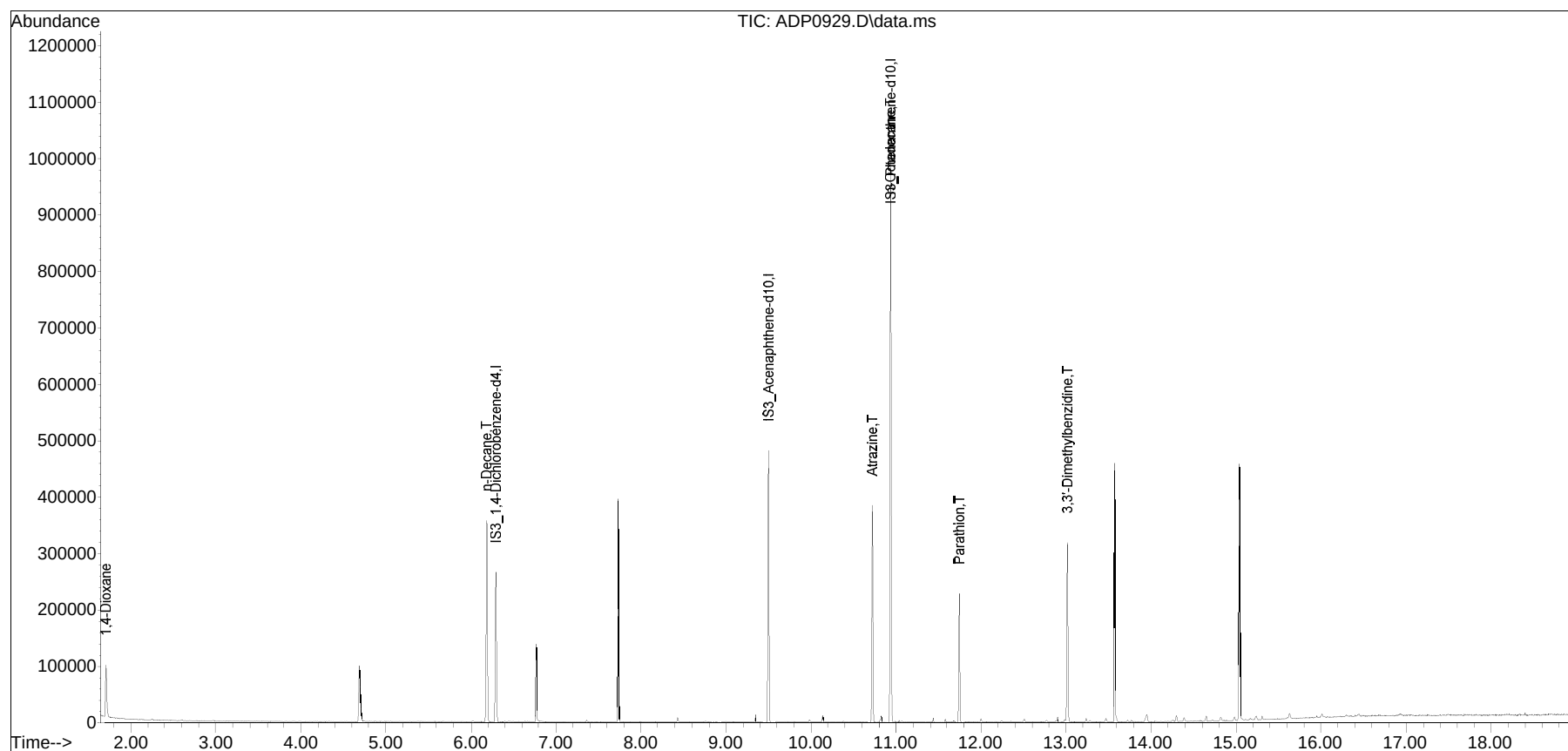
(#) = qualifier out of range (m) = manual integration (+) = signals summed

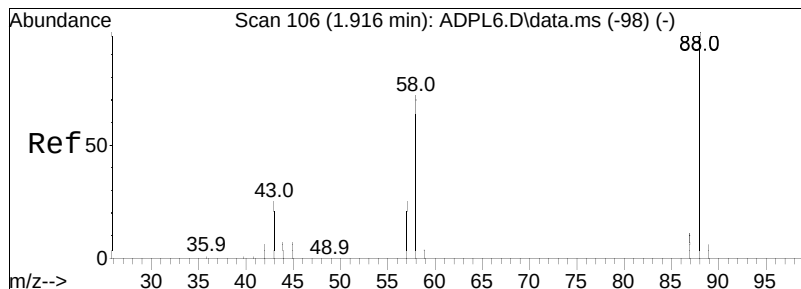
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250929RVT\
 Data File : ADP0929.D
 Acq On : 29 Sep 2025 1:14 pm
 Operator : SV107:smz
 Sample : wg2121049-5,32,,ADP 11661 gmr0913B
 Misc : wg2121049,,ical22052
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 29 16:55:57 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 13:37:47 2025
 Response via : Initial Calibration

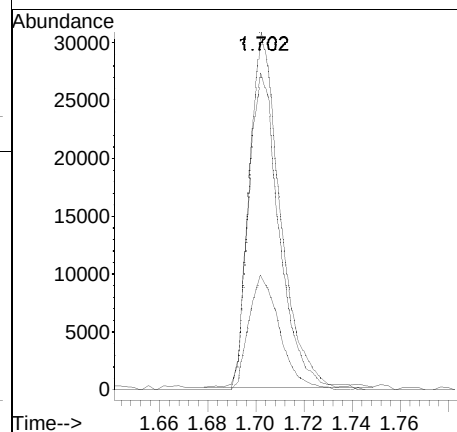
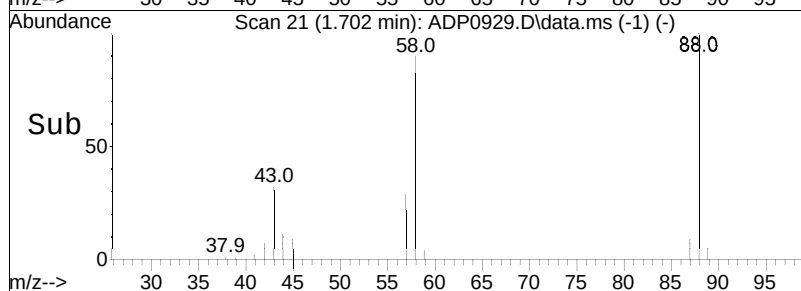
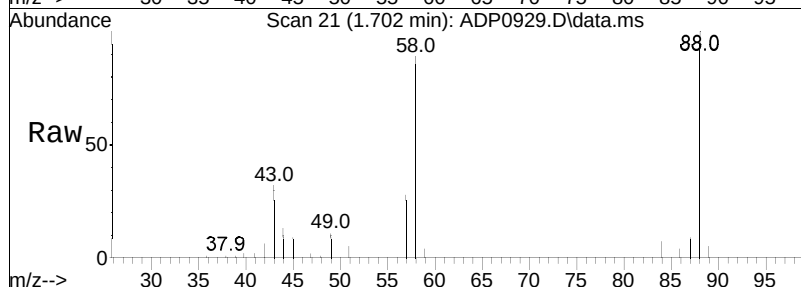
Sub List : ADPical_REV2 - ADP sublist

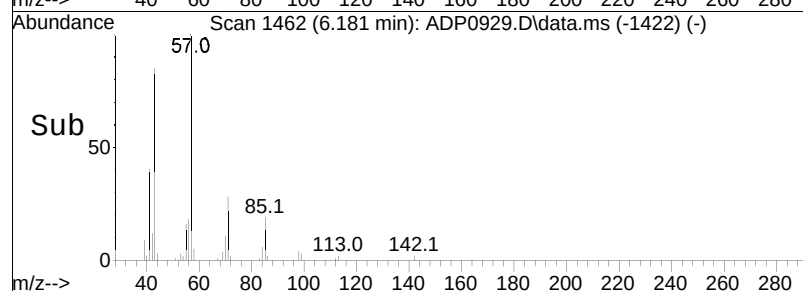
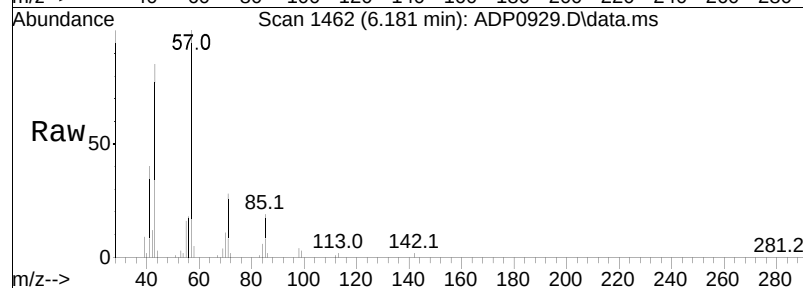
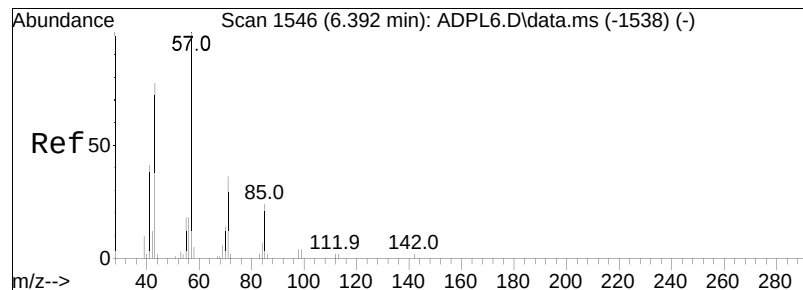




#33
 1,4-Dioxane
 Concen: 4.79 ug/ml
 RT: 1.702 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: ADP0929.D
 Acq: 29 Sep 2025 1:14 pm

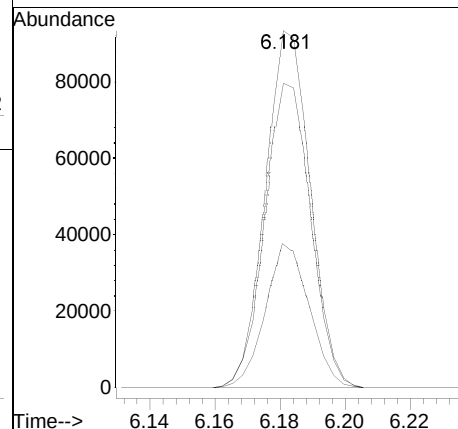
Tgt Ion	Ratio	Resp	Lower	Upper
88	100	27233		
58	89.5	44.8	67.2#	
43	32.3	22.4	33.6	

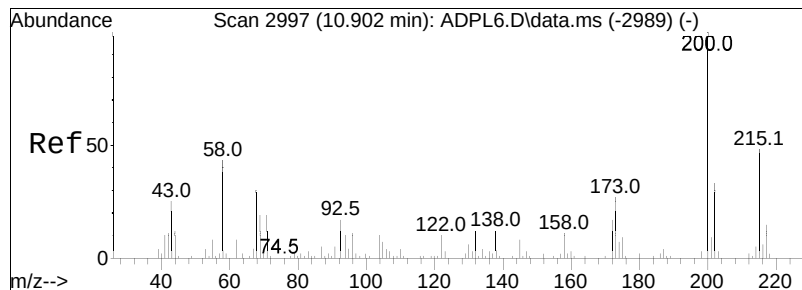




#34
n-Decane
Concen: 5.45 ug/ml
RT: 6.181 min Scan# 1462
Delta R.T. 0.000 min
Lab File: ADP0929.D
Acq: 29 Sep 2025 1:14 pm

Tgt Ion	Ratio	Resp: Lower	Upper
57	100		
43	87.0	0.2	0.2#
41	39.5	0.2	0.2#





#87

Atrazine

Concen: 5.34 ug/ml

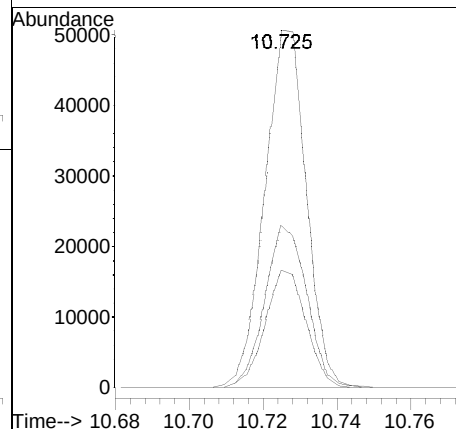
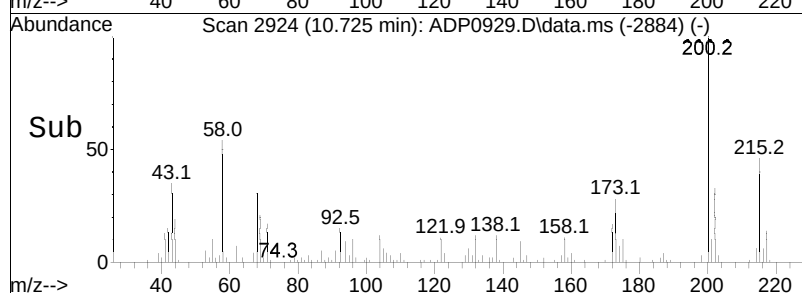
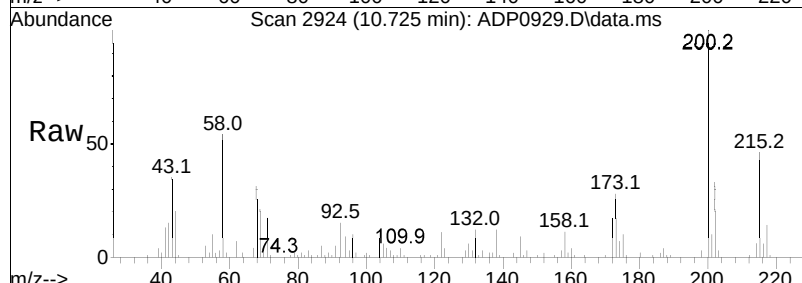
RT: 10.725 min Scan# 2924

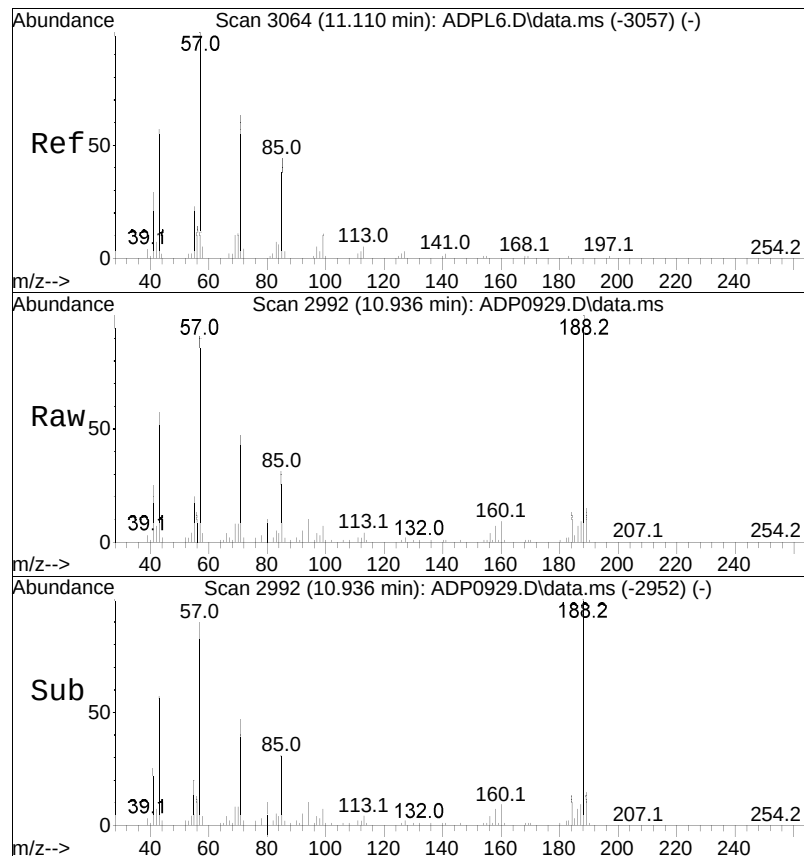
Delta R.T. 0.000 min

Lab File: ADP0929.D

Acq: 29 Sep 2025 1:14 pm

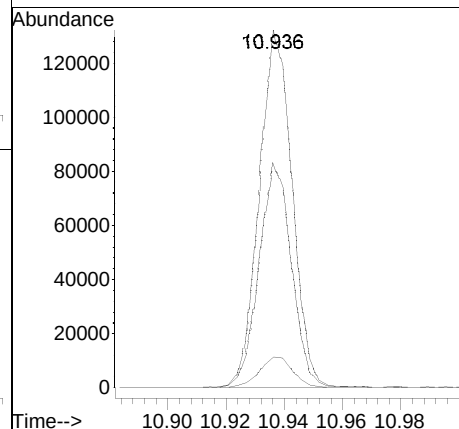
Tgt Ion:	200	Resp:	39407
Ion Ratio	Lower	Upper	
200	100		
202	32.6	25.8	38.6
215	46.0	40.2	60.4

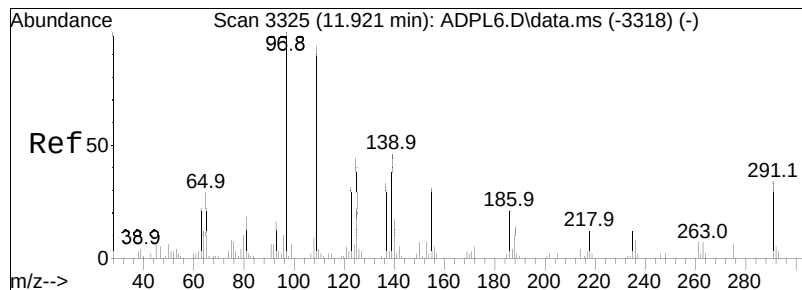




#101
n-Octadecane
Concen: 5.28 ug/ml
RT: 10.936 min Scan# 2992
Delta R.T. 0.000 min
Lab File: ADP0929.D
Acq: 29 Sep 2025 1:14 pm

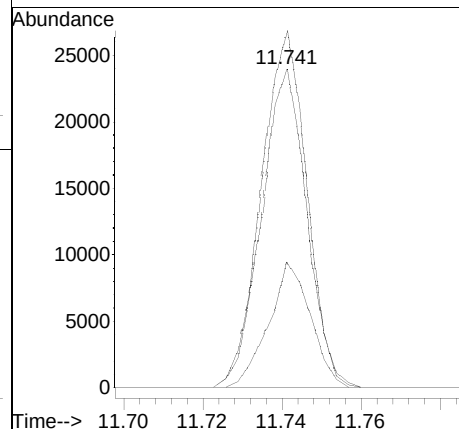
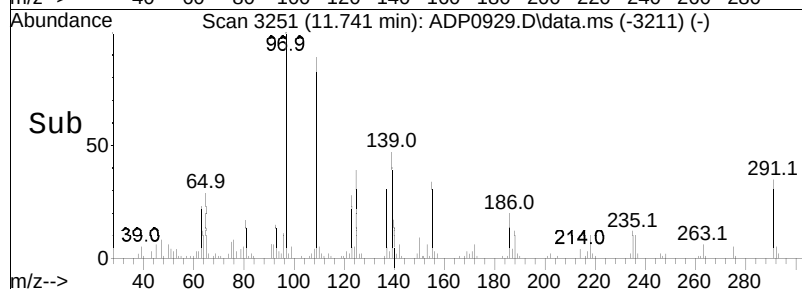
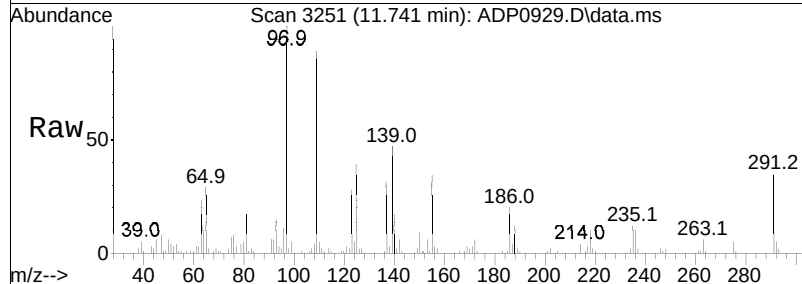
Tgt Ion	Ratio	Resp	Lower	Upper
57	100	102788		
43	62.3		9.0	13.6#
70	8.7		0.2	0.2#

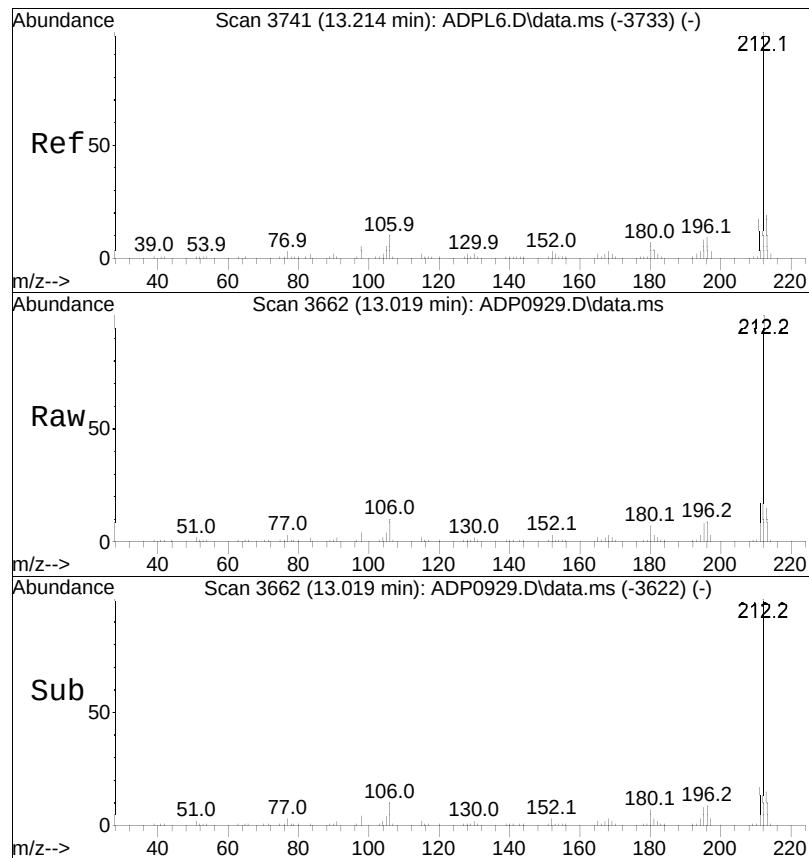




#102
 Parathion
 Concen: 5.46 ug/ml
 RT: 11.741 min Scan# 3251
 Delta R.T. 0.000 min
 Lab File: ADP0929.D
 Acq: 29 Sep 2025 1:14 pm

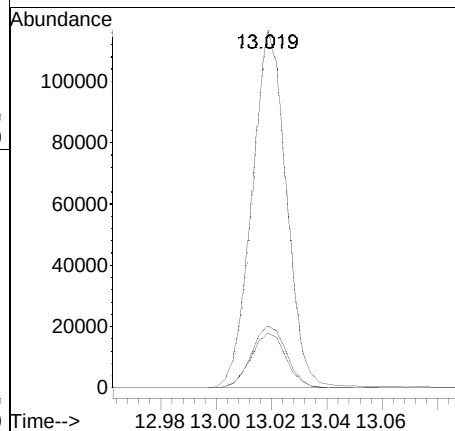
Tgt Ion:	109	Resp:	18902
Ion Ratio	Lower	Upper	
109	100		
97	113.1	87.4	131.2
291	36.7	34.2	51.2





#103
 3,3'-Dimethylbenzidine
 Concen: 4.14 ug/ml
 RT: 13.019 min Scan# 3662
 Delta R.T. 0.000 min
 Lab File: ADP0929.D
 Acq: 29 Sep 2025 1:14 pm

Tgt Ion:	212	Resp:	99742
Ion Ratio	Lower	Upper	
212	100		
211	17.7	12.9	19.3
213	15.7	13.2	19.8



Manual Integration Report

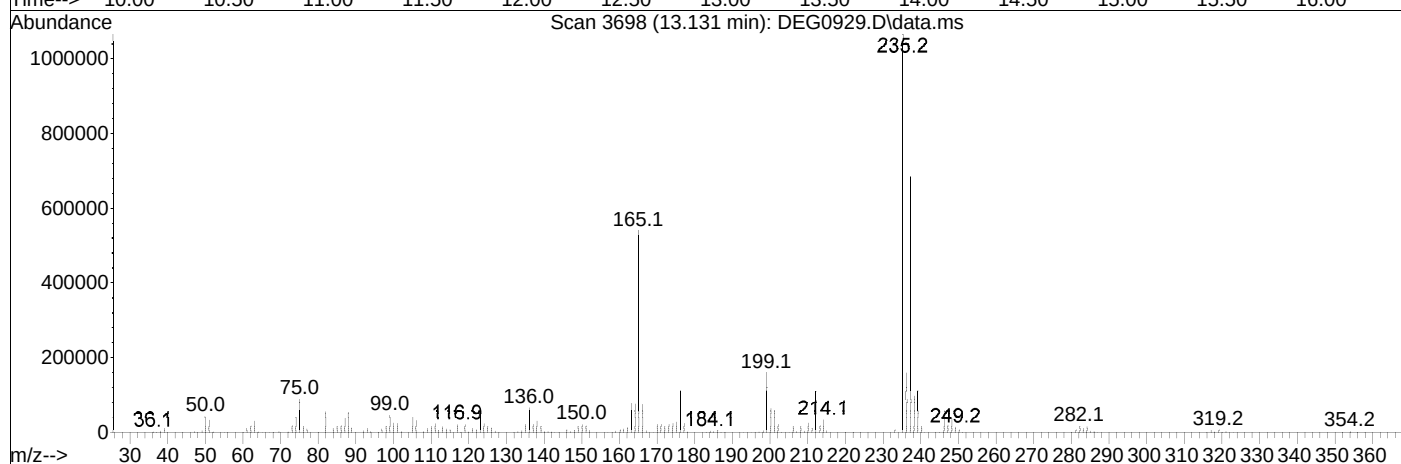
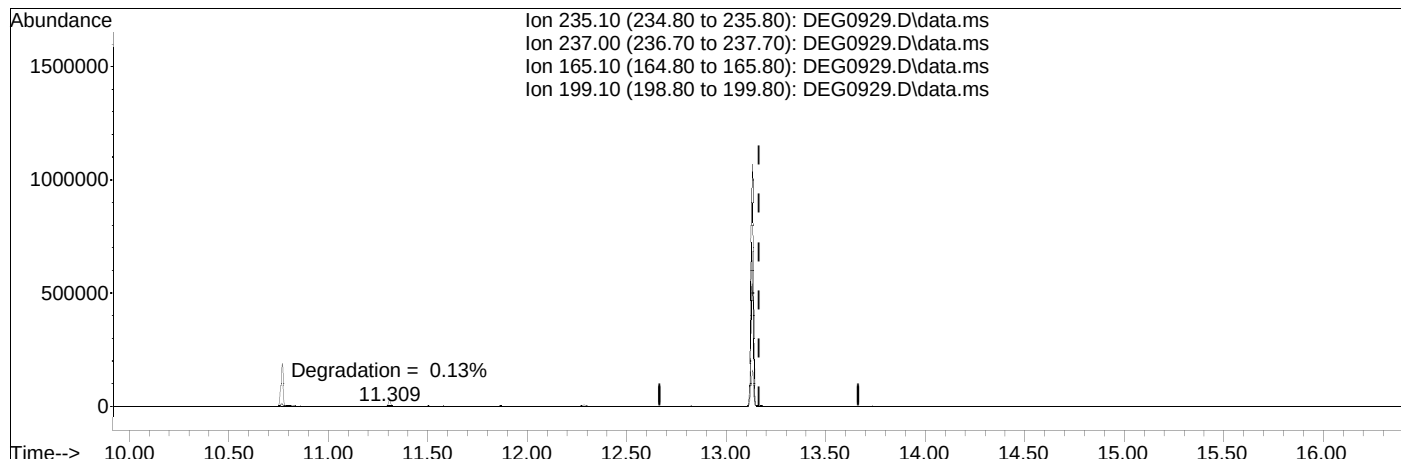
Data Path	: I:\8270\SV107\250929RVT\	QMethod	: FS250826SV107RVT.m
Data File	: ADP0929.D	Operator	: SV107:smz
Date Inj'd	: 9/29/2025 1:14 pm	Instrument	: SV107
Sample	: wg2121049-5,32,,ADP 11661	Quant Date	: 9/29/2025 1:37 pm

There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250929RVT\
 Data File : DEG0929.D
 Acq On : 29 Sep 2025 12:00 pm
 Operator : SV107:smz
 Sample : wg2121049-2,32,,Degdftpp Lot # 11981
 Misc : wg2121049,,ical22052
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 29 12:30:25 2025
 Quant Method : I:\8270\SV107\250929RVT\DftppSV107.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Mar 05 13:38:17 2025
 Response via : Initial Calibration



(6) DDT (T)

13.131min (-0.034) 149.83

response 913296

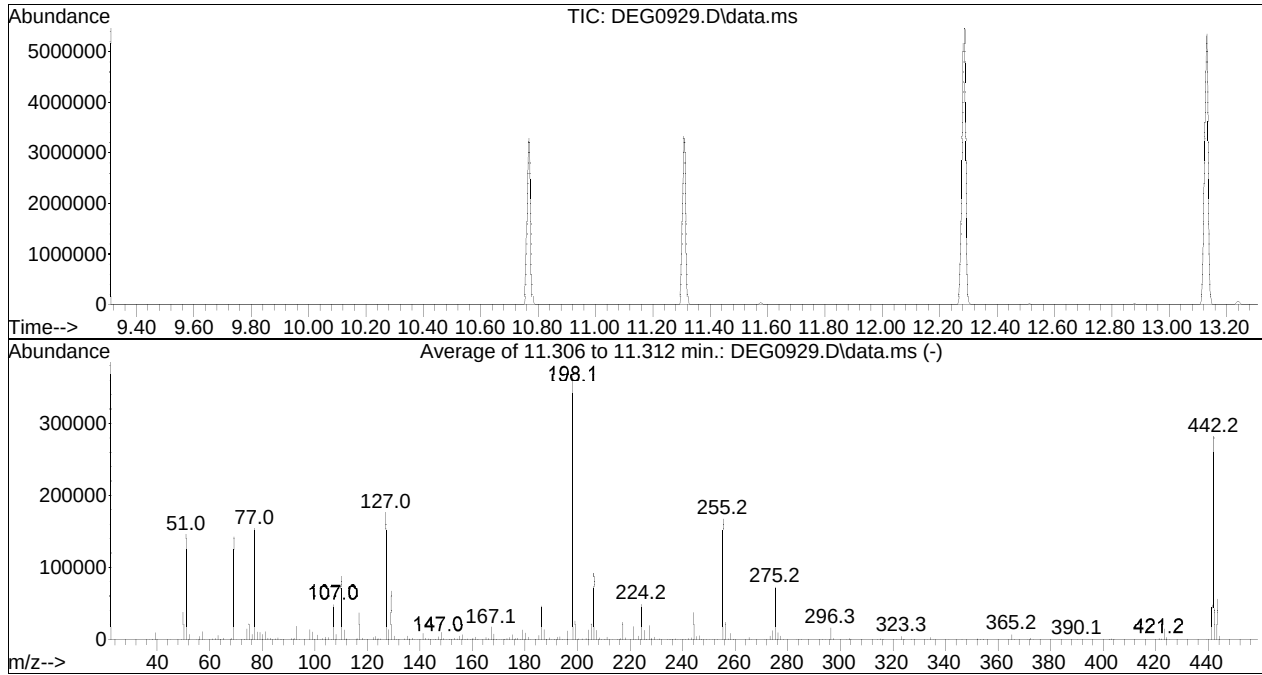
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	64.00
165.10	55.40	51.59
199.10	16.20	15.01

DFTPP

Data Path : I:\8270\SV107\250929RVT\
 Data File : DEG0929.D
 Acq On : 29 Sep 2025 12:00 pm
 Operator : SV107:ljj
 Sample : WG2121049-1,32,,Degdftpp Lot # 11981
 Misc : WG2121049,,ical22052
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Fri Sep 26 16:48:57 2025



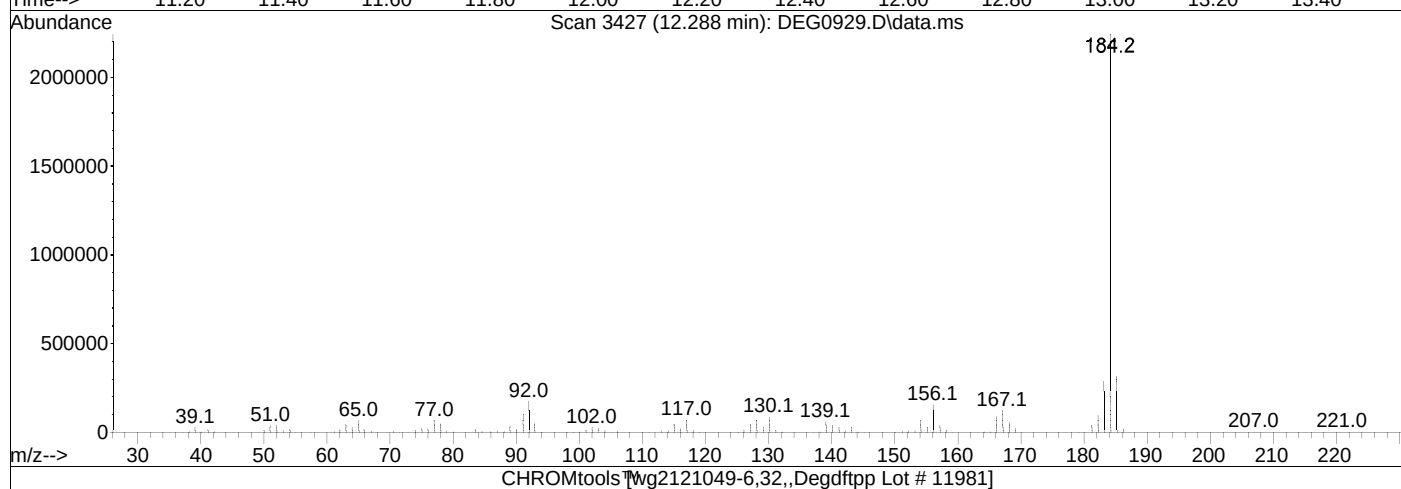
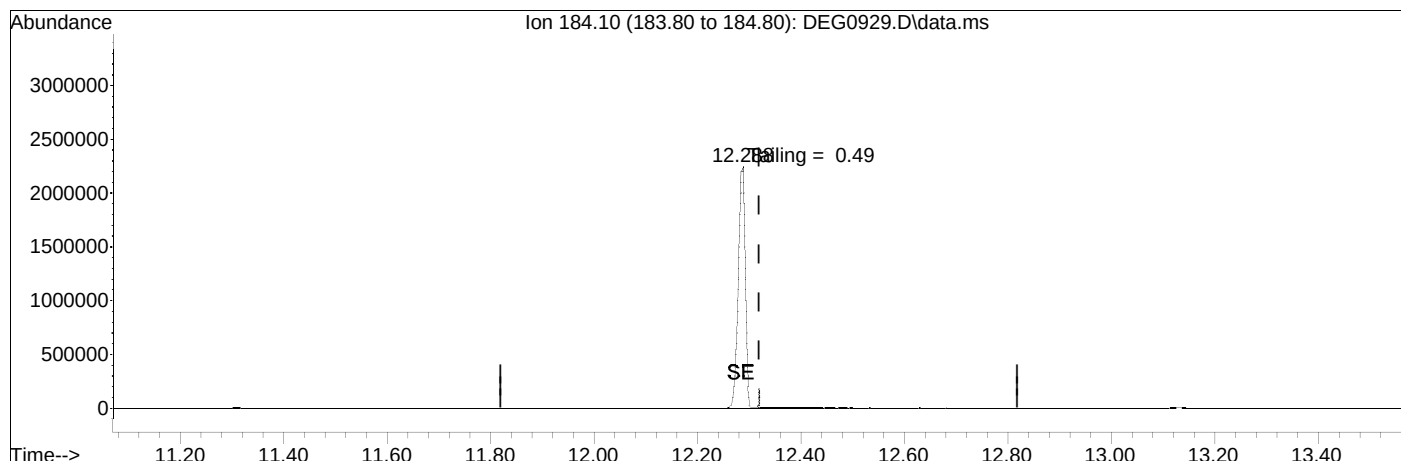
Spectrum Information: Average of 11.306 to 11.312 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.7	145395	PASS
68	69	0.00	2	1.8	2535	PASS
69	69	100	100	100.0	142582	PASS
70	69	0.00	2	0.5	752	PASS
127	198	10	80	48.1	176171	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	366421	PASS
199	198	5	9	7.0	25485	PASS
275	198	10	60	19.8	72683	PASS
365	198	1	100	1.9	6808	PASS
441	442	0.01	24	17.2	48504	PASS
442	198	50	100	76.9	281749	PASS
443	442	15	24	19.8	55872	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250929RVT\
 Data File : DEG0929.D
 Acq On : 29 Sep 2025 12:00 pm
 Operator : SV107:smz
 Sample : wg2121049-6,32,,Degdftpp Lot # 11981
 Misc : wg2121049,,ical22052
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 29 12:30:25 2025
 Quant Method : I:\8270\SV107\250929RVT\DftppSV107.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Mar 05 13:38:17 2025
 Response via : Initial Calibration



CHROMtools [wg2121049-6,32,,Degdftpp Lot # 11981]

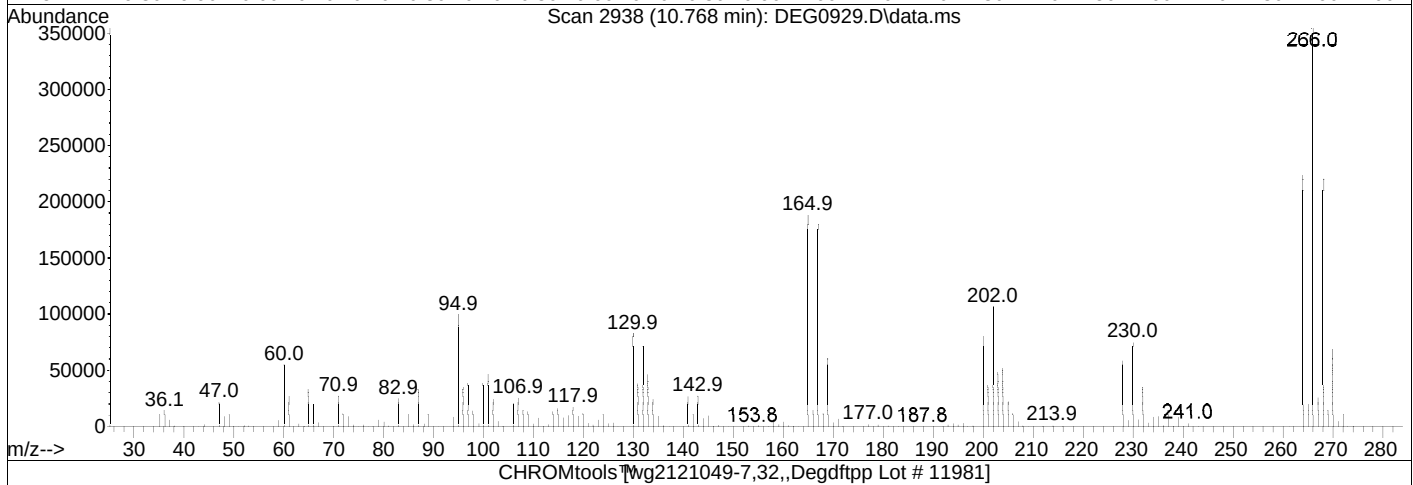
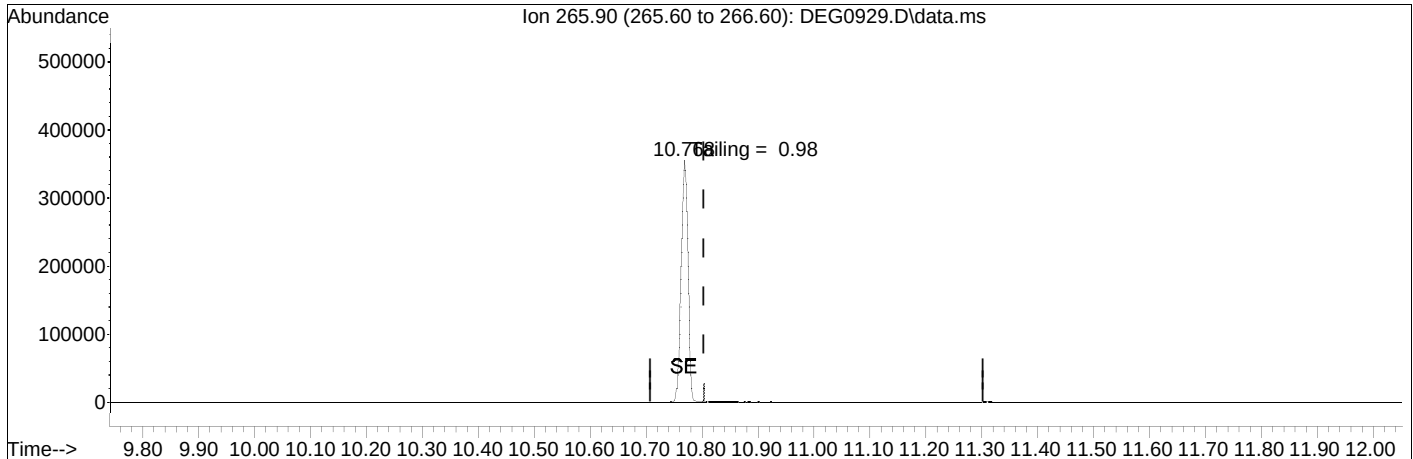
(3) Benzidine (T)
 12.288min (-0.031) 199.81
 response 2034099

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250929RVT\
Data File : DEG0929.D
Acq On : 29 Sep 2025 12:00 pm
Operator : SV107:smz
Sample : wg2121049-7,32,,Degdftpp Lot # 11981
Misc : wg2121049,,ical22052
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 29 12:30:25 2025
Quant Method : I:\8270\SV107\250929RVT\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 13:38:17 2025
Response via : Initial Calibration



(1) Pentachlorophenol (T)

10.768min (-0.035) 136.22

response 286108

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : 115183-1.D
 Acq On : 16 Sep 2025 9:57 am
 Operator : SV107:smz
 Sample : WG2115183-1,32,,gmr
 Misc : WG2115301,WG2115183,ical22592
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 16 12:38:32 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 12:23:04 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250916\ABN0916.D
 : 2 - I:\8270\SV107\250916\ADP0916.D
 : 3 - I:\8270\SV107\250916\AP90916a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.424	152	55274	4.000	ug/ml	0.00
Standard Area 1 = 69446			Recovery =	79.59%		
27) IS2_1,4-Dichlorobenzen...	6.424	152	55274	4.000	ug/ml	0.00
Standard Area 3 = 50979			Recovery =	108.43%		
32) IS3_1,4-Dichlorobenzen...	6.424	152	55274	4.000	ug/ml	0.00
Standard Area 2 = 50671			Recovery =	109.08%		
35) IS1_Naphthalene-d8	7.850	136	205130	4.000	ug/ml	0.00
Standard Area 1 = 265643			Recovery =	77.22%		
55) IS2_Naphthalene-d8	7.850	136	205130	4.000	ug/ml	0.00
Standard Area 3 = 192887			Recovery =	106.35%		
63) IS1_Acenaphthene-d10	9.619	164	119766	4.000	ug/ml	0.00
Standard Area 1 = 162020			Recovery =	73.92%		
83) IS2_Acenaphthene-d10	9.619	164	119766	4.000	ug/ml	0.00
Standard Area 3 = 116209			Recovery =	103.06%		
86) IS3_Acenaphthene-d10	9.619	164	119766	4.000	ug/ml	0.00
Standard Area 2 = 112984			Recovery =	106.00%		
88) IS1_Phenanthrene-d10	11.064	188	243966	4.000	ug/ml	0.00
Standard Area 1 = 318305			Recovery =	76.65%		
100) IS3_Phenanthrene-d10	11.064	188	243966	4.000	ug/ml	# 0.00
Standard Area 2 = 245041			Recovery =	99.56%		
104) IS1_Chrysene-d12	13.715	240	233832	4.000	ug/ml	0.00
Standard Area 1 = 311596			Recovery =	75.04%		
113) IS1_Perylene-d12	15.195	264	229683	4.000	ug/ml	0.00
Standard Area 1 = 302214			Recovery =	76.00%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.493	112	17319	1.214	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	60.70%		
7) Phenol-d6	6.044	99	15219	0.868	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	43.40%		
19) Nitrobenzene-d5	7.079	82	12896	0.796	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	79.60%		
46) 2-Fluorobiphenyl	8.978	172	35136	0.785	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	78.50%		
79) 2,4,6-Tribromophenol	10.389	330	8421	1.846	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	92.30%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : 115183-1.D
 Acq On : 16 Sep 2025 9:57 am
 Operator : SV107:smz
 Sample : WG2115183-1,32,,gmr
 Misc : WG2115301,WG2115183,ical22592
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 16 12:38:32 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 12:23:04 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250916\ABN0916.D
 : 2 - I:\8270\SV107\250916\ADP0916.D
 : 3 - I:\8270\SV107\250916\AP90916a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.658	244	47099	0.893	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	89.30%
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0		N.D.	
8) Phenol	0.000		0		N.D.	
9) Bis(2-chloroethyl)ether	0.000		0		N.D.	
10) 1,3-Dichlorobenzene	0.000		0		N.D.	
11) 1,4-Dichlorobenzene	0.000		0		N.D.	
12) 1,2-Dichlorobenzene	0.000		0		N.D.	
13) Benzyl alcohol	0.000		0		N.D.	
14) Bis(2-chloroisopropyl)...	0.000		0		N.D.	
15) 2-Methylphenol	0.000		0		N.D.	
16) Hexachloroethane	0.000		0		N.D.	
17) n-Nitrosodi-n-propylamine	0.000		0		N.D.	
18) 3-Methylphenol/4-Methy...	0.000		0		N.D.	
20) Nitrobenzene	0.000		0		N.D.	
21) Isophorone	0.000		0		N.D.	
22) 2-Nitrophenol	0.000		0		N.D.	
23) 2,4-Dimethylphenol	0.000		0		N.D.	
24) Bis(2-chloroethoxy)met...	0.000		0		N.D.	
25) 2,4-Dichlorophenol	0.000		0		N.D.	
26) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
29) Acetophenone	0.000		0		N.D.	
36) Naphthalene	0.000		0		N.D.	
37) Benzoic Acid	0.000		0		N.D.	
38) 4-Chloroaniline	0.000		0		N.D.	d
39) Hexachlorobutadiene	0.000		0		N.D.	
40) p-Chloro-m-cresol	0.000		0		N.D.	
41) 2-Methylnaphthalene	0.000		0		N.D.	
43) Hexachlorocyclopentadiene	0.000		0		N.D.	
44) 2,4,6-Trichlorophenol	0.000		0		N.D.	
45) 2,4,5-Trichlorophenol	0.000		0		N.D.	
47) 2-Chloronaphthalene	0.000		0		N.D.	
48) 2-Nitroaniline	0.000		0		N.D.	
51) Dimethyl phthalate	0.000		0		N.D.	
52) Acenaphthylene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : 115183-1.D
 Acq On : 16 Sep 2025 9:57 am
 Operator : SV107:smz
 Sample : WG2115183-1,32,,gmr
 Misc : WG2115301,WG2115183,ical22592
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 16 12:38:32 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 12:23:04 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250916\ABN0916.D
 : 2 - I:\8270\SV107\250916\ADP0916.D
 : 3 - I:\8270\SV107\250916\AP90916a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53)	2,6-Dinitrotoluene	0.000		0	N.D.		
61)	1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62)	Biphenyl	0.000		0	N.D.		
64)	3-Nitroaniline	0.000		0	N.D.		
65)	Acenaphthene	0.000		0	N.D.		
66)	2,4-Dinitrophenol	0.000		0	N.D.		
67)	Dibenzofuran	0.000		0	N.D.		
68)	2,4-Dinitrotoluene	0.000		0	N.D.		
69)	4-Nitrophenol	0.000		0	N.D.		
72)	Diethyl phthalate	0.000		0	N.D.	d	
73)	Fluorene	0.000		0	N.D.		
74)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75)	4-Nitroaniline	0.000		0	N.D.		
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	0.000		0	N.D.	d	
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
81)	Hexachlorobenzene	0.000		0	N.D.		
82)	Pentachlorophenol	0.000		0	N.D.		
89)	Phenanthrene	0.000		0	N.D.		
90)	Anthracene	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.	d	
92)	Di-n-butylphthalate	11.704	149	36791	0.564	ug/ml	99
93)	Fluoranthene	0.000		0	N.D.		
95)	Pyrene	0.000		0	N.D.		
97)	Butyl benzyl phthalate	0.000		0	N.D.		
105)	Benzo(a)anthracene	0.000		0	N.D.	d	
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
107)	Chrysene	0.000		0	N.D.	d	
108)	Bis(2-ethylhexyl)phtha...	13.849	149	3185	0.237	ug/ml#	94
109)	Di-n-octylphthalate	0.000		0	N.D.	d	
110)	Benzo(b)fluoranthene	0.000		0	N.D.		
111)	Benzo(k)fluoranthene	0.000		0	N.D.		
112)	Benzo(a)pyrene	0.000		0	N.D.	d	
114)	Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
115)	Dibenzo(a,h)anthracene	0.000		0	N.D.		
116)	Benzo(ghi)perylene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : 115183-1.D
 Acq On : 16 Sep 2025 9:57 am
 Operator : SV107:smz
 Sample : WG2115183-1,32,,gmr
 Misc : WG2115301,WG2115183,ical22592
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 16 12:38:32 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 12:23:04 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250916\ABN0916.D
 : 2 - I:\8270\SV107\250916\ADP0916.D
 : 3 - I:\8270\SV107\250916\AP90916a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

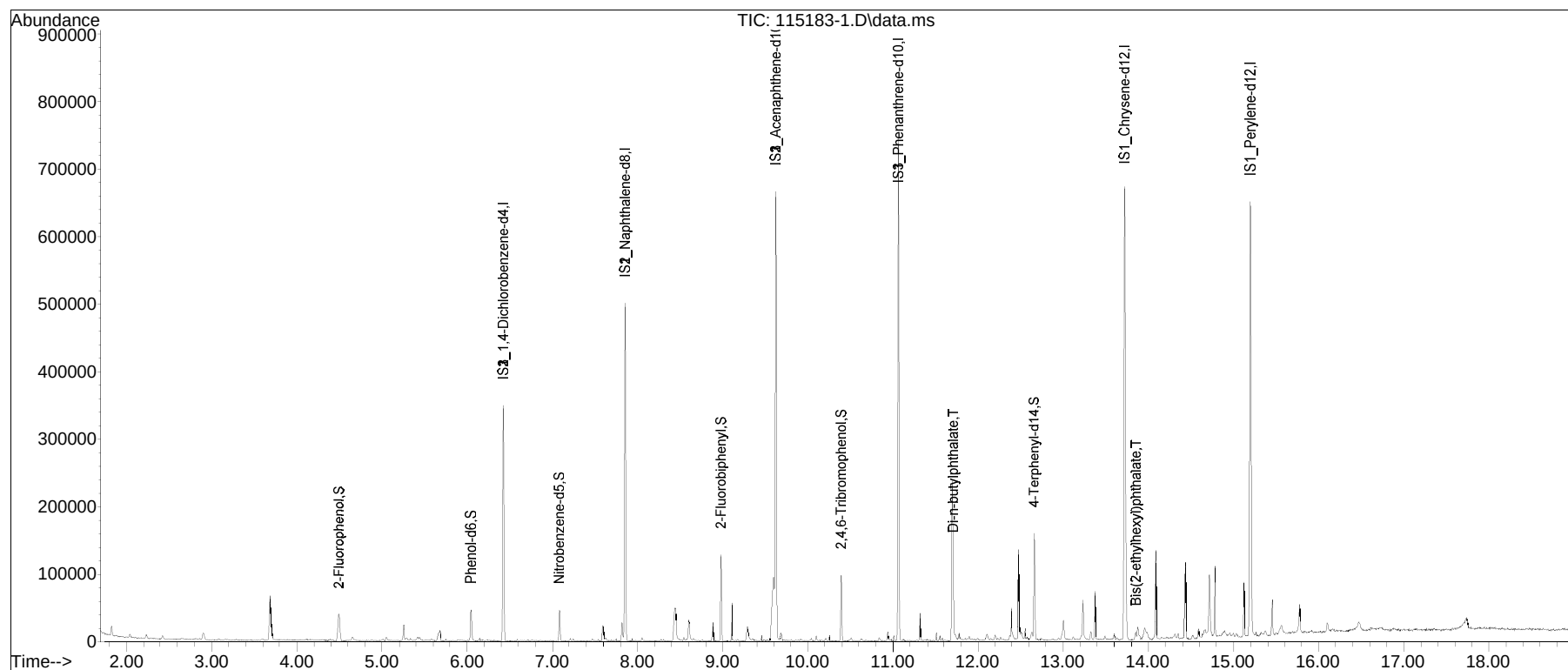
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

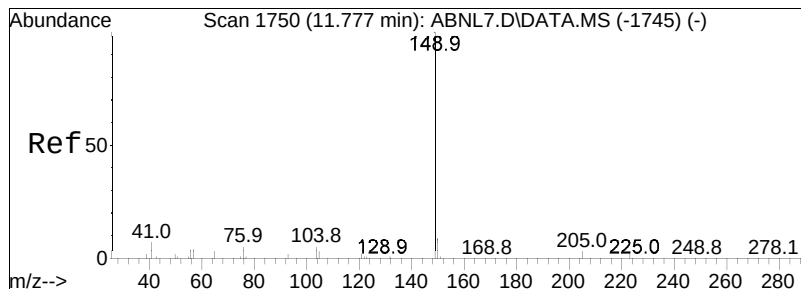
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : 115183-1.D
 Acq On : 16 Sep 2025 9:57 am
 Operator : SV107:smz
 Sample : WG2115183-1,32,,gmr
 Misc : WG2115301,WG2115183,ical22592
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 16 12:38:32 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 12:23:04 2025
 Response via : Initial Calibration

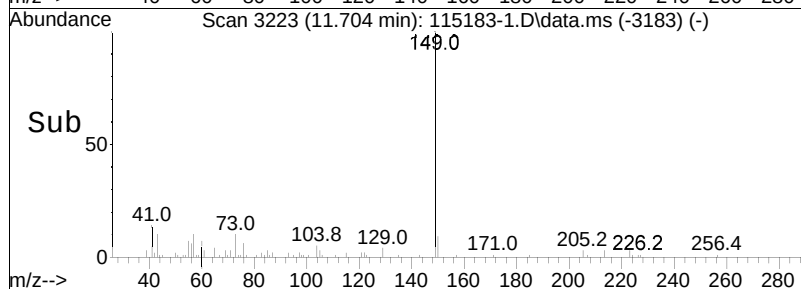
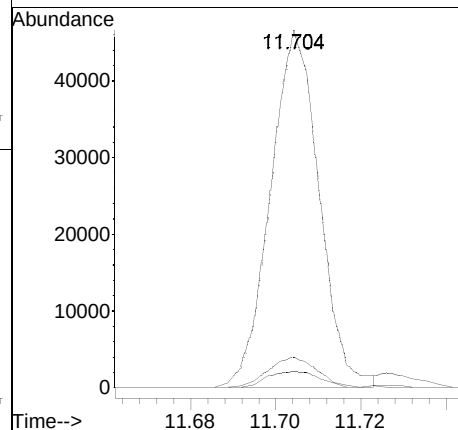
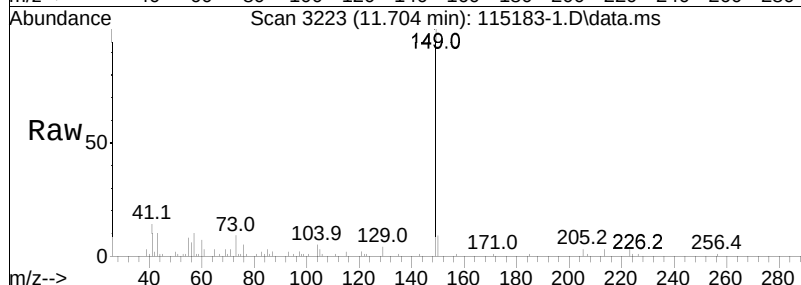
Sub List : 8270TCL_REV2 - TCL/CT/MA\AP90916a.D•

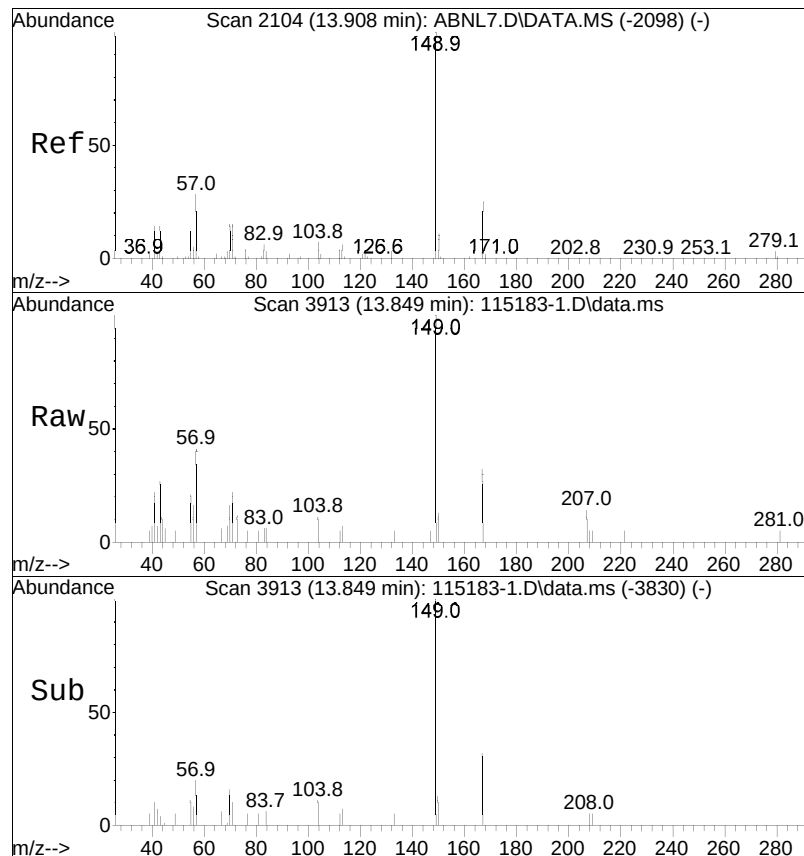




#92
 Di-n-butylphthalate
 Concen: 0.56 ug/ml
 RT: 11.704 min Scan# 3223
 Delta R.T. -0.000 min
 Lab File: 115183-1.D
 Acq: 16 Sep 2025 9:57 am

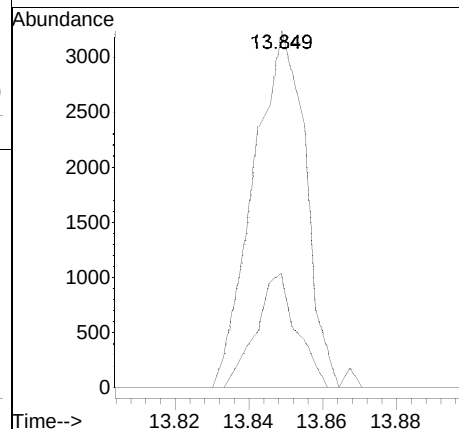
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	36791		
150	8.5		7.0	10.6
104	4.8		4.5	6.7





#108
 Bis(2-ethylhexyl)phthalate
 Concen: 0.24 ug/ml
 RT: 13.849 min Scan# 3913
 Delta R.T. 0.009 min
 Lab File: 115183-1.D
 Acq: 16 Sep 2025 9:57 am

Tgt Ion:	149	Resp:	3185
Ion Ratio	Lower	Upper	
149	100		
167	24.8	22.1	33.1
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV107\250916\	QMethod	: FS250826SV107RVT.m
Data File	: 115183-1.D	Operator	: SV107:smz
Date Inj'd	: 9/16/2025 9:57 am	Instrument	: SV107
Sample	: WG2115183-1,32,,gmr	Quant Date	: 9/16/2025 12:23 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : 115766-1.D
 Acq On : 17 Sep 2025 11:15 am
 Operator : SV106:als
 Sample : WG2115761-1,32,,gmr/1
 Misc : WG2116036,WG2115761,ical22591
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 14:08:00 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250917RVT\ABN0917.D
 : 2 - I:\8270\SV106\250917RVT\ADP0917.D
 : 3 - I:\8270\SV106\250917RVT\AP90917.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.030	152	46062	4.000	ug/ml	0.00
Standard Area 1 = 41772			Recovery =	110.27%		
27) IS2_1,4-Dichlorobenzen...	4.030	152	46062	4.000	ug/ml	0.00
Standard Area 3 = 37950			Recovery =	121.38%		
32) IS3_1,4-Dichlorobenzen...	4.030	152	46062	4.000	ug/ml	0.00
Standard Area 2 = 38868			Recovery =	118.51%		
35) IS1_Naphthalene-d8	5.307	136	180332	4.000	ug/ml	0.00
Standard Area 1 = 164763			Recovery =	109.45%		
55) IS2_Naphthalene-d8	5.307	136	180332	4.000	ug/ml	0.00
Standard Area 3 = 149066			Recovery =	120.97%		
63) IS1_Acenaphthene-d10	7.038	164	104176	4.000	ug/ml	0.00
Standard Area 1 = 100432			Recovery =	103.73%		
83) IS2_Acenaphthene-d10	7.038	164	104176	4.000	ug/ml	0.00
Standard Area 3 = 86354			Recovery =	120.64%		
86) IS3_Acenaphthene-d10	7.038	164	104176	4.000	ug/ml	0.00
Standard Area 2 = 87242			Recovery =	119.41%		
88) IS1_Phenanthrene-d10	8.477	188	215128	4.000	ug/ml	0.00
Standard Area 1 = 194347			Recovery =	110.69%		
100) IS3_Phenanthrene-d10	8.477	188	215128	4.000	ug/ml	0.00
Standard Area 2 = 174483			Recovery =	123.29%		
104) IS1_Chrysene-d12	11.088	240	228915	4.000	ug/ml	0.00
Standard Area 1 = 201958			Recovery =	113.35%		
113) IS1_Perylene-d12	12.524	264	268403	4.000	ug/ml	0.01
Standard Area 1 = 215767			Recovery =	124.39%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.674	112	12402	0.974	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.70%		
7) Phenol-d6	3.744	99	10867	0.716	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	35.80%		
19) Nitrobenzene-d5	4.605	82	9124	0.646	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	64.60%		
46) 2-Fluorobiphenyl	6.413	172	23431	0.633	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	63.30%		
79) 2,4,6-Tribromophenol	7.812	330	6530	1.293	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	64.65%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : 115766-1.D
 Acq On : 17 Sep 2025 11:15 am
 Operator : SV106:als
 Sample : WG2115761-1,32,,gmr/1
 Misc : WG2116036,WG2115761,ical22591
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 14:08:00 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250917RVT\ABN0917.D
 : 2 - I:\8270\SV106\250917RVT\ADP0917.D
 : 3 - I:\8270\SV106\250917RVT\AP90917.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.084	244	35863	0.679	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	67.90%
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0		N.D.	
8) Phenol	0.000		0		N.D.	
9) Bis(2-chloroethyl)ether	0.000		0		N.D.	
10) 1,3-Dichlorobenzene	0.000		0		N.D.	
11) 1,4-Dichlorobenzene	0.000		0		N.D.	
12) 1,2-Dichlorobenzene	0.000		0		N.D.	
13) Benzyl alcohol	0.000		0		N.D.	d
14) Bis(2-chloroisopropyl)...	0.000		0		N.D.	
15) 2-Methylphenol	0.000		0		N.D.	
16) Hexachloroethane	0.000		0		N.D.	
17) n-Nitrosodi-n-propylamine	0.000		0		N.D.	d
18) 3-Methylphenol/4-Methy...	0.000		0		N.D.	
20) Nitrobenzene	0.000		0		N.D.	
21) Isophorone	0.000		0		N.D.	
22) 2-Nitrophenol	0.000		0		N.D.	
23) 2,4-Dimethylphenol	0.000		0		N.D.	
24) Bis(2-chloroethoxy)met...	0.000		0		N.D.	
25) 2,4-Dichlorophenol	0.000		0		N.D.	
26) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
29) Acetophenone	0.000		0		N.D.	
36) Naphthalene	0.000		0		N.D.	
37) Benzoic Acid	0.000		0		N.D.	
38) 4-Chloroaniline	0.000		0		N.D.	
39) Hexachlorobutadiene	0.000		0		N.D.	
40) p-Chloro-m-cresol	0.000		0		N.D.	
41) 2-Methylnaphthalene	0.000		0		N.D.	
43) Hexachlorocyclopentadiene	0.000		0		N.D.	
44) 2,4,6-Trichlorophenol	0.000		0		N.D.	
45) 2,4,5-Trichlorophenol	0.000		0		N.D.	
47) 2-Chloronaphthalene	0.000		0		N.D.	
48) 2-Nitroaniline	0.000		0		N.D.	
51) Dimethyl phthalate	0.000		0		N.D.	d
52) Acenaphthylene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : 115766-1.D
 Acq On : 17 Sep 2025 11:15 am
 Operator : SV106:als
 Sample : WG2115761-1,32,,gmr/1
 Misc : WG2116036,WG2115761,ical22591
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 14:08:00 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250917RVT\ABN0917.D
 : 2 - I:\8270\SV106\250917RVT\ADP0917.D
 : 3 - I:\8270\SV106\250917RVT\AP90917.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
65) Acenaphthene	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
73) Fluorene	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
81) Hexachlorobenzene	0.000		0	N.D.		
82) Pentachlorophenol	0.000		0	N.D.		
89) Phenanthrene	0.000		0	N.D.		
90) Anthracene	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	9.155	149	38568	0.566	ug/ml#	97
93) Fluoranthene	0.000		0	N.D.		
95) Pyrene	0.000		0	N.D.		
97) Butyl benzyl phthalate	0.000		0	N.D.		
105) Benzo(a)anthracene	0.000		0	N.D.	d	
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
107) Chrysene	0.000		0	N.D.	d	
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109) Di-n-octylphthalate	0.000		0	N.D.	d	
110) Benzo(b)fluoranthene	0.000		0	N.D.		
111) Benzo(k)fluoranthene	0.000		0	N.D.		
112) Benzo(a)pyrene	0.000		0	N.D.	d	
114) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
115) Dibenzo(a,h)anthracene	0.000		0	N.D.		
116) Benzo(ghi)perylene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : 115766-1.D
 Acq On : 17 Sep 2025 11:15 am
 Operator : SV106:als
 Sample : WG2115761-1,32,,gmr/1
 Misc : WG2116036,WG2115761,ical22591
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 14:08:00 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250917RVT\ABN0917.D
 : 2 - I:\8270\SV106\250917RVT\ADP0917.D
 : 3 - I:\8270\SV106\250917RVT\AP90917.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

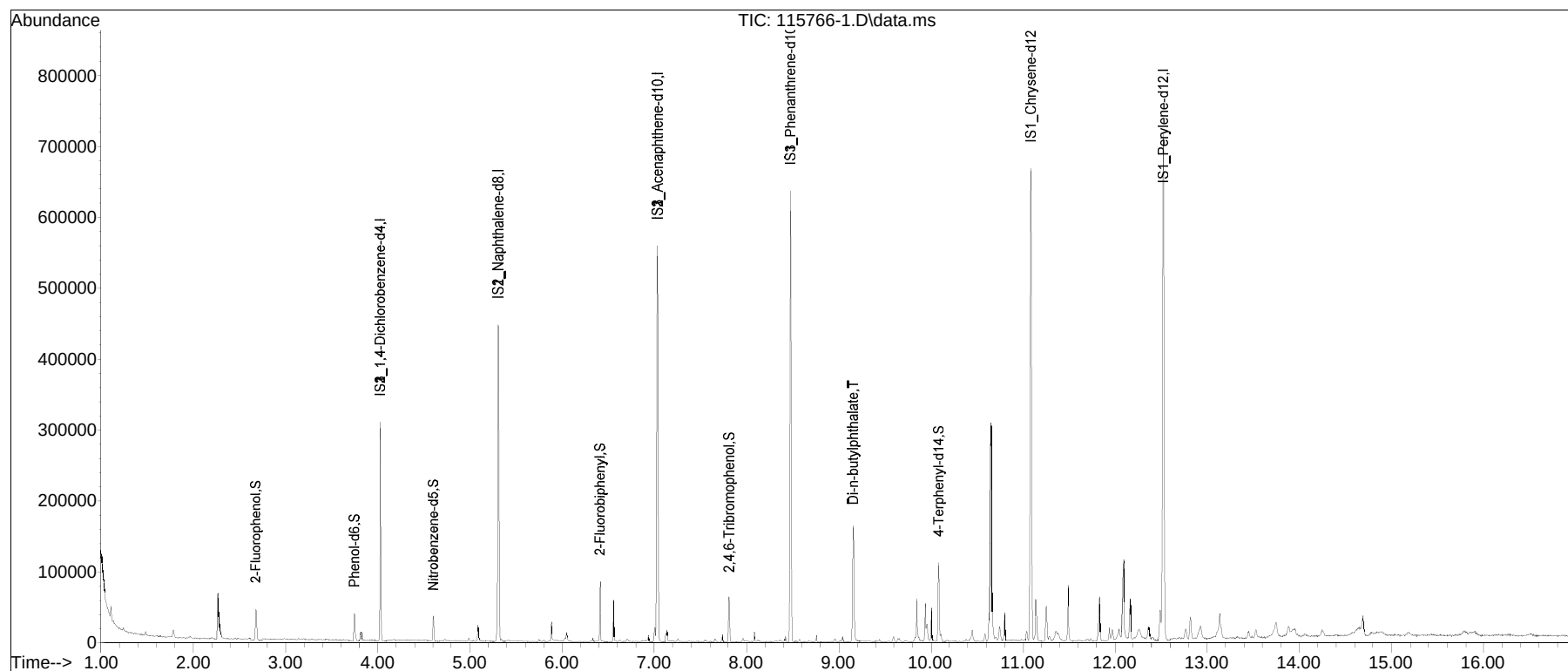
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

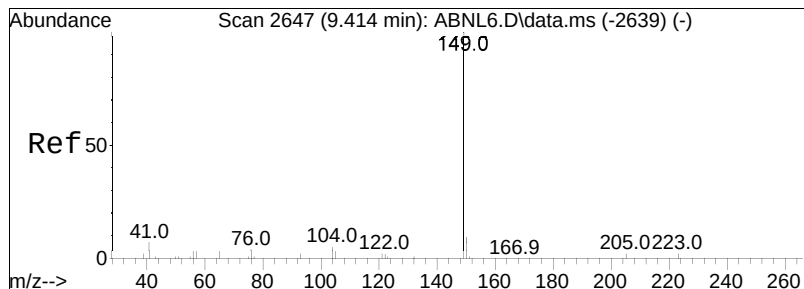
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : 115766-1.D
 Acq On : 17 Sep 2025 11:15 am
 Operator : SV106:als
 Sample : WG2115761-1,32,,gmr/1
 Misc : WG2116036,WG2115761,ical22591
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 14:08:00 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:06 2025
 Response via : Initial Calibration

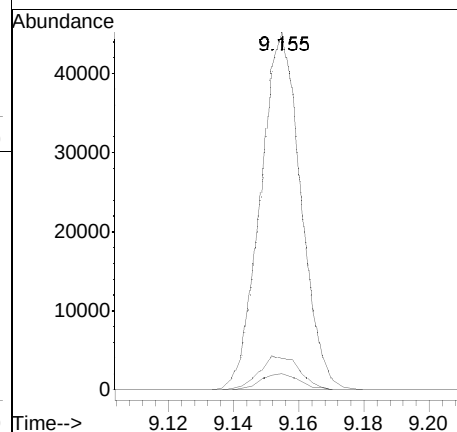
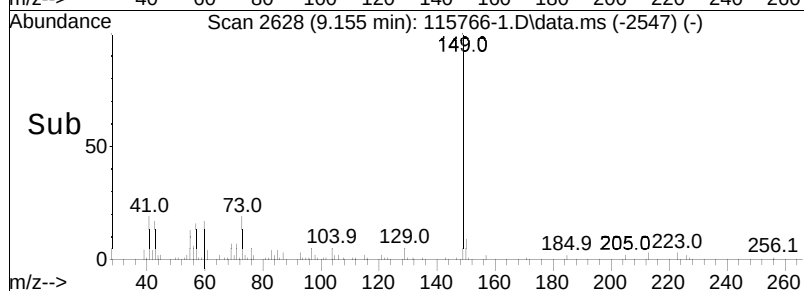
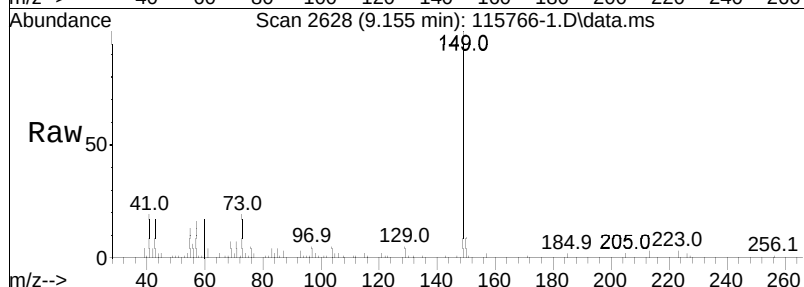
Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP90917.D•





#92
 Di-n-butylphthalate
 Concen: 0.57 ug/ml
 RT: 9.155 min Scan# 2628
 Delta R.T. 0.003 min
 Lab File: 115766-1.D
 Acq: 17 Sep 2025 11:15 am

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.5	7.0	10.6	
104	4.5	4.5	6.7	



Manual Integration Report

Data Path	: I:\8270\SV106\250917RVT\	QMethod	: FS250827SV106.m
Data File	: 115766-1.D	Operator	: SV106:als
Date Inj'd	: 9/17/2025 11:15 am	Instrument	: SV 106
Sample	: WG2115761-1,32,,gmr/1	Quant Date	: 9/17/2025 11:32 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250929RVT\
 Data File : 20226-1.D
 Acq On : 29 Sep 2025 5:47 pm
 Operator : SV107:smz
 Sample : WG2120226-1,32,,RV
 Misc : WG2121049,WG2120226,ical22592
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 30 09:32:36 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 16:57:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250929RVT\ABN0929.D
 : 2 - I:\8270\SV107\250929RVT\ADP0929.D
 : 3 - I:\8270\SV107\250929RVT\AP90929.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.290	152	33300	4.000	ug/ml	0.00
Standard Area 1 = 46264			Recovery =	71.98%		
27) IS2_1,4-Dichlorobenzen...	6.290	152	33300	4.000	ug/ml	0.00
Standard Area 3 = 49895			Recovery =	66.74%		
32) IS3_1,4-Dichlorobenzen...	6.290	152	33300	4.000	ug/ml	0.00
Standard Area 2 = 41741			Recovery =	79.78%		
35) IS1_Naphthalene-d8	7.732	136	123040	4.000	ug/ml	0.00
Standard Area 1 = 171688			Recovery =	71.66%		
55) IS2_Naphthalene-d8	7.732	136	123040	4.000	ug/ml	0.00
Standard Area 3 = 180122			Recovery =	68.31%		
63) IS1_Acenaphthene-d10	9.500	164	73009	4.000	ug/ml	0.00
Standard Area 1 = 98322			Recovery =	74.25%		
83) IS2_Acenaphthene-d10	9.500	164	73009	4.000	ug/ml	0.00
Standard Area 3 = 101971			Recovery =	71.60%		
86) IS3_Acenaphthene-d10	9.500	164	73009	4.000	ug/ml	0.00
Standard Area 2 = 89377			Recovery =	81.69%		
88) IS1_Phenanthrene-d10	10.939	188	139004	4.000	ug/ml	0.00
Standard Area 1 = 181787			Recovery =	76.47%		
100) IS3_Phenanthrene-d10	10.939	188	139004	4.000	ug/ml	0.00
Standard Area 2 = 176496			Recovery =	78.76%		
104) IS1_Chrysene-d12	13.572	240	131735	4.000	ug/ml	0.00
Standard Area 1 = 160942			Recovery =	81.85%		
113) IS1_Perylene-d12	15.039	264	144973	4.000	ug/ml	0.00
Standard Area 1 = 163931			Recovery =	88.44%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.257	112	12914	1.503	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	75.15%		
7) Phenol-d6	5.917	99	11388	1.078	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	53.90%		
19) Nitrobenzene-d5	6.958	82	10072	1.032	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	103.20%		
46) 2-Fluorobiphenyl	8.863	172	23374	0.871	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	87.10%		
79) 2,4,6-Tribromophenol	10.271	330	5646	2.030	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	101.50%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250929RVT\
 Data File : 20226-1.D
 Acq On : 29 Sep 2025 5:47 pm
 Operator : SV107:smz
 Sample : WG2120226-1,32,,RV
 Misc : WG2121049,WG2120226,ical22592
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 30 09:32:36 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 16:57:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250929RVT\ABN0929.D
 : 2 - I:\8270\SV107\250929RVT\ADP0929.D
 : 3 - I:\8270\SV107\250929RVT\AP90929.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.531	244	29120	0.969	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	96.90%
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0		N.D.	
8) Phenol	0.000		0		N.D.	
9) Bis(2-chloroethyl)ether	0.000		0		N.D.	
10) 1,3-Dichlorobenzene	0.000		0		N.D.	
11) 1,4-Dichlorobenzene	0.000		0		N.D.	
12) 1,2-Dichlorobenzene	0.000		0		N.D.	
13) Benzyl alcohol	0.000		0		N.D.	
14) Bis(2-chloroisopropyl)...	0.000		0		N.D.	
15) 2-Methylphenol	0.000		0		N.D.	
16) Hexachloroethane	0.000		0		N.D.	
17) n-Nitrosodi-n-propylamine	0.000		0		N.D.	
18) 3-Methylphenol/4-Methy...	0.000		0		N.D.	
20) Nitrobenzene	0.000		0		N.D.	
21) Isophorone	0.000		0		N.D.	
22) 2-Nitrophenol	0.000		0		N.D.	
23) 2,4-Dimethylphenol	0.000		0		N.D.	
24) Bis(2-chloroethoxy)met...	0.000		0		N.D.	
25) 2,4-Dichlorophenol	0.000		0		N.D.	
26) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
29) Acetophenone	0.000		0		N.D.	
36) Naphthalene	0.000		0		N.D.	
37) Benzoic Acid	0.000		0		N.D.	d
38) 4-Chloroaniline	0.000		0		N.D.	
39) Hexachlorobutadiene	0.000		0		N.D.	
40) p-Chloro-m-cresol	0.000		0		N.D.	
41) 2-Methylnaphthalene	0.000		0		N.D.	
43) Hexachlorocyclopentadiene	0.000		0		N.D.	
44) 2,4,6-Trichlorophenol	0.000		0		N.D.	
45) 2,4,5-Trichlorophenol	0.000		0		N.D.	
47) 2-Chloronaphthalene	0.000		0		N.D.	
48) 2-Nitroaniline	0.000		0		N.D.	
51) Dimethyl phthalate	0.000		0		N.D.	
52) Acenaphthylene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250929RVT\
 Data File : 20226-1.D
 Acq On : 29 Sep 2025 5:47 pm
 Operator : SV107:smz
 Sample : WG2120226-1,32,,RV
 Misc : WG2121049,WG2120226,ical22592
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 30 09:32:36 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 16:57:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250929RVT\ABN0929.D
 : 2 - I:\8270\SV107\250929RVT\ADP0929.D
 : 3 - I:\8270\SV107\250929RVT\AP90929.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
65) Acenaphthene	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
73) Fluorene	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
81) Hexachlorobenzene	0.000		0	N.D.		
82) Pentachlorophenol	0.000		0	N.D.		
89) Phenanthrene	0.000		0	N.D.		
90) Anthracene	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	11.589	149	22255	0.599	ug/ml	98
93) Fluoranthene	0.000		0	N.D.		
95) Pyrene	0.000		0	N.D.		
97) Butyl benzyl phthalate	0.000		0	N.D.		
105) Benzo(a)anthracene	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
107) Chrysene	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109) Di-n-octylphthalate	0.000		0	N.D.	d	
110) Benzo(b)fluoranthene	0.000		0	N.D.		
111) Benzo(k)fluoranthene	0.000		0	N.D.		
112) Benzo(a)pyrene	0.000		0	N.D.	d	
114) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
115) Dibenzo(a,h)anthracene	0.000		0	N.D.		
116) Benzo(ghi)perylene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250929RVT\
 Data File : 20226-1.D
 Acq On : 29 Sep 2025 5:47 pm
 Operator : SV107:smz
 Sample : WG2120226-1,32,,RV
 Misc : WG2121049,WG2120226,ical22592
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 30 09:32:36 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 16:57:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250929RVT\ABN0929.D
 : 2 - I:\8270\SV107\250929RVT\ADP0929.D
 : 3 - I:\8270\SV107\250929RVT\AP90929.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

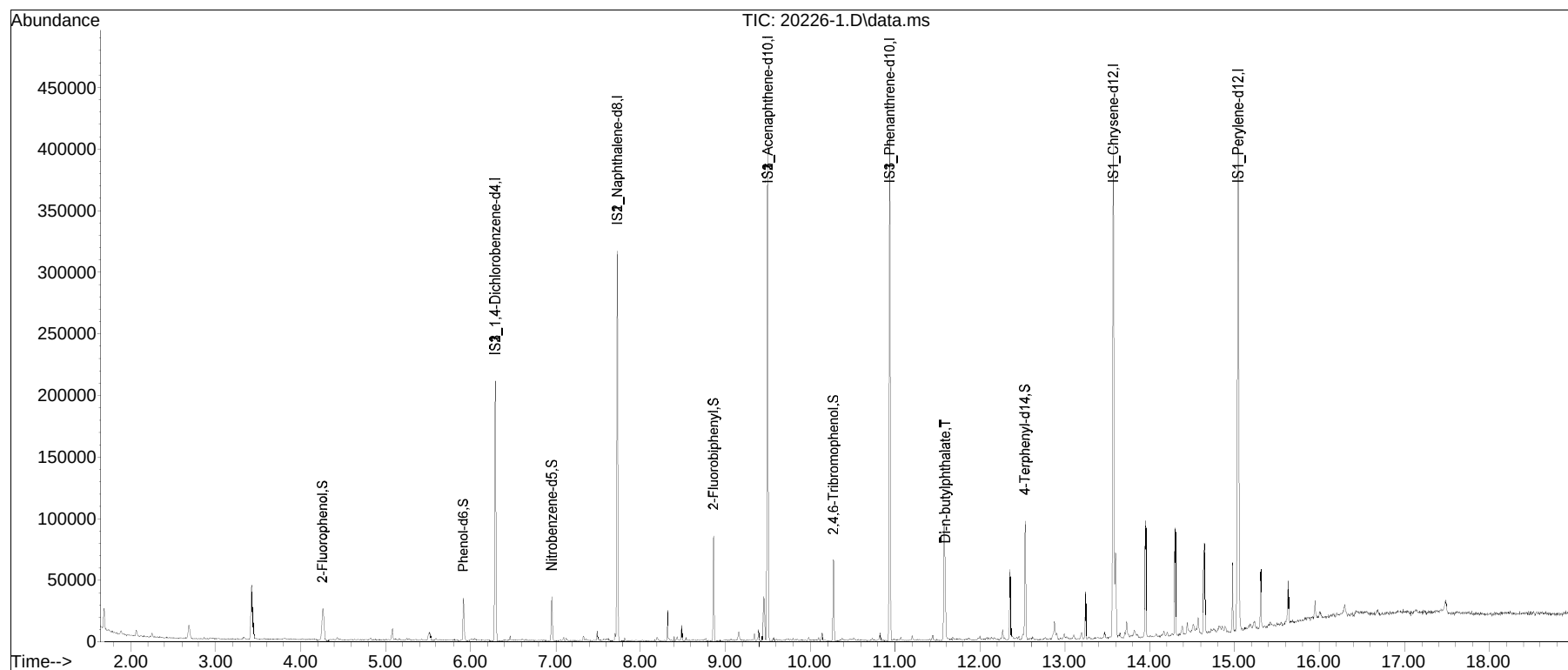
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

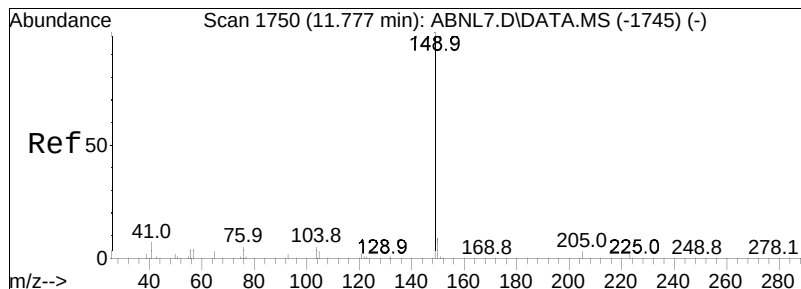
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250929RVT\
 Data File : 20226-1.D
 Acq On : 29 Sep 2025 5:47 pm
 Operator : SV107:smz
 Sample : WG2120226-1,32,,RV
 Misc : WG2121049,WG2120226,ical22592
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 30 09:32:36 2025
 Quant Method : I:\8270\SV107\250929RVT\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 29 16:57:23 2025
 Response via : Initial Calibration

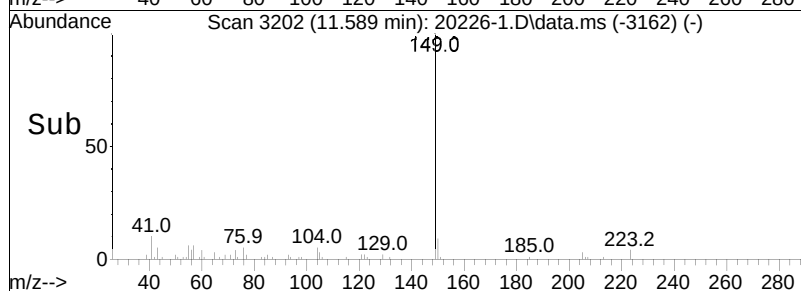
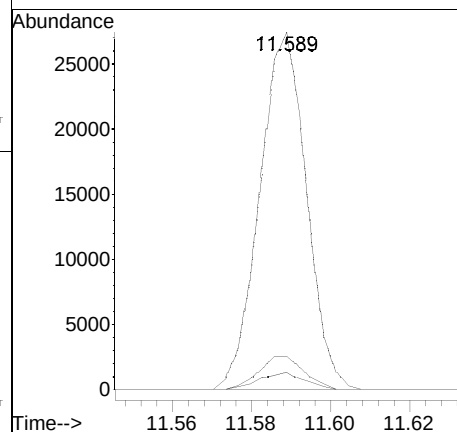
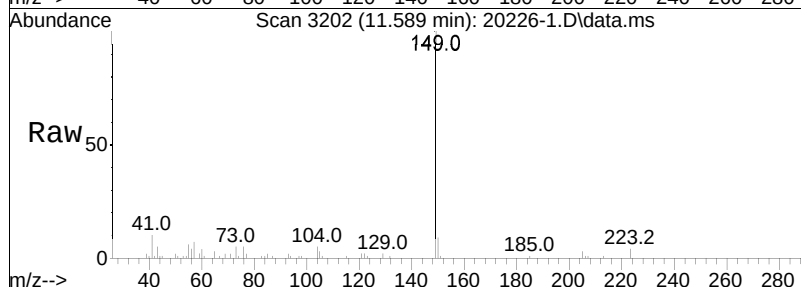
Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP90929.D•





#92
 Di-n-butylphthalate
 Concen: 0.60 ug/ml
 RT: 11.589 min Scan# 3202
 Delta R.T. 0.000 min
 Lab File: 20226-1.D
 Acq: 29 Sep 2025 5:47 pm

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.1	7.0	10.6	
104	4.5	4.5	6.7	



Manual Integration Report

Data Path	: I:\8270\SV107\250929RVT\	QMethod	: FS250826SV107RVT.m
Data File	: 20226-1.D	Operator	: SV107:smz
Date Inj'd	: 9/29/2025 5:47 pm	Instrument	: SV107
Sample	: WG2120226-1,32,,RV	Quant Date	: 9/29/2025 6:06 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : 115183-2.D
 Acq On : 16 Sep 2025 10:23 am
 Operator : SV107:smz
 Sample : WG2115183-2,32,,gmr
 Misc : WG2115301,WG2115183,ical22592
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 16 12:23:19 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 12:23:04 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250916\ABN0916.D
 : 2 - I:\8270\SV107\250916\ADP0916.D
 : 3 - I:\8270\SV107\250916\AP90916a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.424	152	52336	4.000	ug/ml	0.00
Standard Area 1 = 69446			Recovery =	75.36%		
27) IS2_1,4-Dichlorobenzen...	6.424	152	52336	4.000	ug/ml	0.00
Standard Area 3 = 50979			Recovery =	102.66%		
32) IS3_1,4-Dichlorobenzen...	6.424	152	52336	4.000	ug/ml	0.00
Standard Area 2 = 50671			Recovery =	103.29%		
35) IS1_Naphthalene-d8	7.853	136	194128	4.000	ug/ml	0.00
Standard Area 1 = 265643			Recovery =	73.08%		
55) IS2_Naphthalene-d8	7.853	136	194128	4.000	ug/ml	0.00
Standard Area 3 = 192887			Recovery =	100.64%		
63) IS1_Acenaphthene-d10	9.619	164	110329	4.000	ug/ml	0.00
Standard Area 1 = 162020			Recovery =	68.10%		
83) IS2_Acenaphthene-d10	9.619	164	110329	4.000	ug/ml	0.00
Standard Area 3 = 116209			Recovery =	94.94%		
86) IS3_Acenaphthene-d10	9.619	164	110329	4.000	ug/ml	0.00
Standard Area 2 = 112984			Recovery =	97.65%		
88) IS1_Phenanthrene-d10	11.064	188	217762	4.000	ug/ml	0.00
Standard Area 1 = 318305			Recovery =	68.41%		
100) IS3_Phenanthrene-d10	11.064	188	217762	4.000	ug/ml	# 0.00
Standard Area 2 = 245041			Recovery =	88.87%		
104) IS1_Chrysene-d12	13.712	240	213103	4.000	ug/ml	0.00
Standard Area 1 = 311596			Recovery =	68.39%		
113) IS1_Perylene-d12	15.192	264	229559	4.000	ug/ml	0.00
Standard Area 1 = 302214			Recovery =	75.96%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.490	112	17731	1.313	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	65.65%		
7) Phenol-d6	6.045	99	15611	0.941	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	47.05%		
19) Nitrobenzene-d5	7.080	82	12753	0.831	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	83.10%		
46) 2-Fluorobiphenyl	8.979	172	33739	0.797	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	79.70%		
79) 2,4,6-Tribromophenol	10.390	330	7940	1.889	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	94.45%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : 115183-2.D
 Acq On : 16 Sep 2025 10:23 am
 Operator : SV107:smz
 Sample : WG2115183-2,32,,gmr
 Misc : WG2115301,WG2115183,ical22592
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 16 12:23:19 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 12:23:04 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250916\ABN0916.D
 : 2 - I:\8270\SV107\250916\ADP0916.D
 : 3 - I:\8270\SV107\250916\AP90916a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
96) 4-Terphenyl-d14	12.659	244	39042	0.829	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	82.90%
Target Compounds						Qvalue
6) 2-Chlorophenol	6.153	128	24531	1.527	ug/ml	93
8) Phenol	6.060	94	17860	0.966	ug/ml	97
9) Bis(2-chloroethyl)ether	6.147	93	23821	1.526	ug/ml	87
10) 1,3-Dichlorobenzene	6.343	146	28006	1.374	ug/ml	95
11) 1,4-Dichlorobenzene	6.442	146	28242	1.356	ug/ml	98
12) 1,2-Dichlorobenzene	6.616	146	27465	1.374	ug/ml	97
13) Benzyl alcohol	6.632	79	18148	1.494	ug/ml	96
14) Bis(2-chloroisopropyl)...	6.822	45	35341	1.447	ug/ml#	89
15) 2-Methylphenol	6.803	108	20569	1.511	ug/ml	96
16) Hexachloroethane	7.008	117	9505	1.243	ug/ml#	62
17) n-Nitrosodi-n-propylamine	6.952	70	17117	1.589	ug/ml	96
18) 3-Methylphenol/4-Methy...	6.986	108	22285	1.546	ug/ml	98
20) Nitrobenzene	7.101	77	24788	1.593	ug/ml	99
21) Isophorone	7.384	82	43213	1.530	ug/ml	98
22) 2-Nitrophenol	7.459	139	12101	1.871	ug/ml	88
23) 2,4-Dimethylphenol	7.561	107	23741	1.572	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.658	93	30205	1.592	ug/ml	98
25) 2,4-Dichlorophenol	7.723	162	23933	1.647	ug/ml	94
26) 1,2,4-Trichlorobenzene	7.804	180	25945	1.369	ug/ml	97
29) Acetophenone	6.924	105	36671	1.560	ug/ml#	80
36) Naphthalene	7.872	128	73036	1.427	ug/ml	99
37) Benzoic Acid	7.627	105	9568	2.035	ug/ml	95
38) 4-Chloroaniline	7.959	65	5894	1.015	ug/ml	79
39) Hexachlorobutadiene	8.034	225	14015	1.250	ug/ml	95
40) p-Chloro-m-cresol	8.484	107	22322	1.800	ug/ml	97
41) 2-Methylnaphthalene	8.593	142	46087	1.502	ug/ml	96
43) Hexachlorocyclopentadiene	8.761	237	14097	1.192	ug/ml	95
44) 2,4,6-Trichlorophenol	8.888	196	18398	1.767	ug/ml	98
45) 2,4,5-Trichlorophenol	8.920	196	19705	1.767	ug/ml	96
47) 2-Chloronaphthalene	9.075	162	52219	1.466	ug/ml	99
48) 2-Nitroaniline	9.187	138	14485	1.879	ug/ml	90
51) Dimethyl phthalate	9.398	163	64530	1.730	ug/ml#	98
52) Acenaphthylene	9.476	152	81984	1.536	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : 115183-2.D
 Acq On : 16 Sep 2025 10:23 am
 Operator : SV107:smz
 Sample : WG2115183-2,32,,gmr
 Misc : WG2115301,WG2115183,ical22592
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 16 12:23:19 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 12:23:04 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250916\ABN0916.D
 : 2 - I:\8270\SV107\250916\ADP0916.D
 : 3 - I:\8270\SV107\250916\AP90916a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53)	2,6-Dinitrotoluene	9.439	165	12487	1.960	ug/ml#	78
61)	1,2,4,5-Tetrachloroben...	8.764	216	27224	1.353	ug/ml	93
62)	Biphenyl	9.072	154	66206	1.440	ug/ml	98
64)	3-Nitroaniline	9.594	138	11152	1.642	ug/ml#	99
65)	Acenaphthene	9.650	154	49908	1.581	ug/ml	95
66)	2,4-Dinitrophenol	9.697	184	7284	2.358	ug/ml#	86
67)	Dibenzofuran	9.821	168	80678	1.595	ug/ml	92
68)	2,4-Dinitrotoluene	9.830	165	16567	1.884	ug/ml	96
69)	4-Nitrophenol	9.780	65	7398	1.447	ug/ml#	82
72)	Diethyl phthalate	10.094	149	62534	1.771	ug/ml	99
73)	Fluorene	10.157	166	64332	1.655	ug/ml	96
74)	4-Chlorophenyl phenyl ...	10.181	204	31085	1.567	ug/ml	89
75)	4-Nitroaniline	10.185	138	12442	1.837	ug/ml	83
76)	4,6-Dinitro-o-cresol	10.219	198	9462	2.277	ug/ml#	64
77)	NDPA/DPA	10.296	169	51670	1.685	ug/ml	93
80)	4-Bromophenyl phenyl e...	10.651	248	16276	1.542	ug/ml#	86
81)	Hexachlorobenzene	10.688	284	17983	1.632	ug/ml	90
82)	Pentachlorophenol	10.887	266	11320	1.904	ug/ml	99
89)	Phenanthrene	11.086	178	97811	1.567	ug/ml	99
90)	Anthracene	11.136	178	96647	1.582	ug/ml	99
91)	Carbazole	11.307	167	92667	1.746	ug/ml	99
92)	Di-n-butylphthalate	11.704	149	133519	2.293	ug/ml	98
93)	Fluoranthene	12.245	202	112759	1.701	ug/ml#	91
95)	Pyrene	12.460	202	119165	1.694	ug/ml	99
97)	Butyl benzyl phthalate	13.193	149	42991	1.919	ug/ml	89
105)	Benzo(a)anthracene	13.703	228	117456	1.613	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.706	252	31068	1.339	ug/ml	99
107)	Chrysene	13.740	228	119946	1.665	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.843	149	68468	1.635	ug/ml#	95
109)	Di-n-octylphthalate	14.533	149	111613	1.834	ug/ml#	74
110)	Benzo(b)fluoranthene	14.819	252	117321	1.859	ug/ml#	95
111)	Benzo(k)fluoranthene	14.847	252	120932	1.893	ug/ml#	95
112)	Benzo(a)pyrene	15.136	252	116042	1.978	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	16.183	276	110584	1.734	ug/mL#	92
115)	Dibenzo(a,h)anthracene	16.214	278	110914	1.674	ug/ml#	92
116)	Benzo(ghi)perylene	16.438	276	111025	1.683	ug/ml#	91

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : 115183-2.D
 Acq On : 16 Sep 2025 10:23 am
 Operator : SV107:smz
 Sample : WG2115183-2,32,,gmr
 Misc : WG2115301,WG2115183,ical22592
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 16 12:23:19 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 12:23:04 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250916\ABN0916.D
 : 2 - I:\8270\SV107\250916\ADP0916.D
 : 3 - I:\8270\SV107\250916\AP90916a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

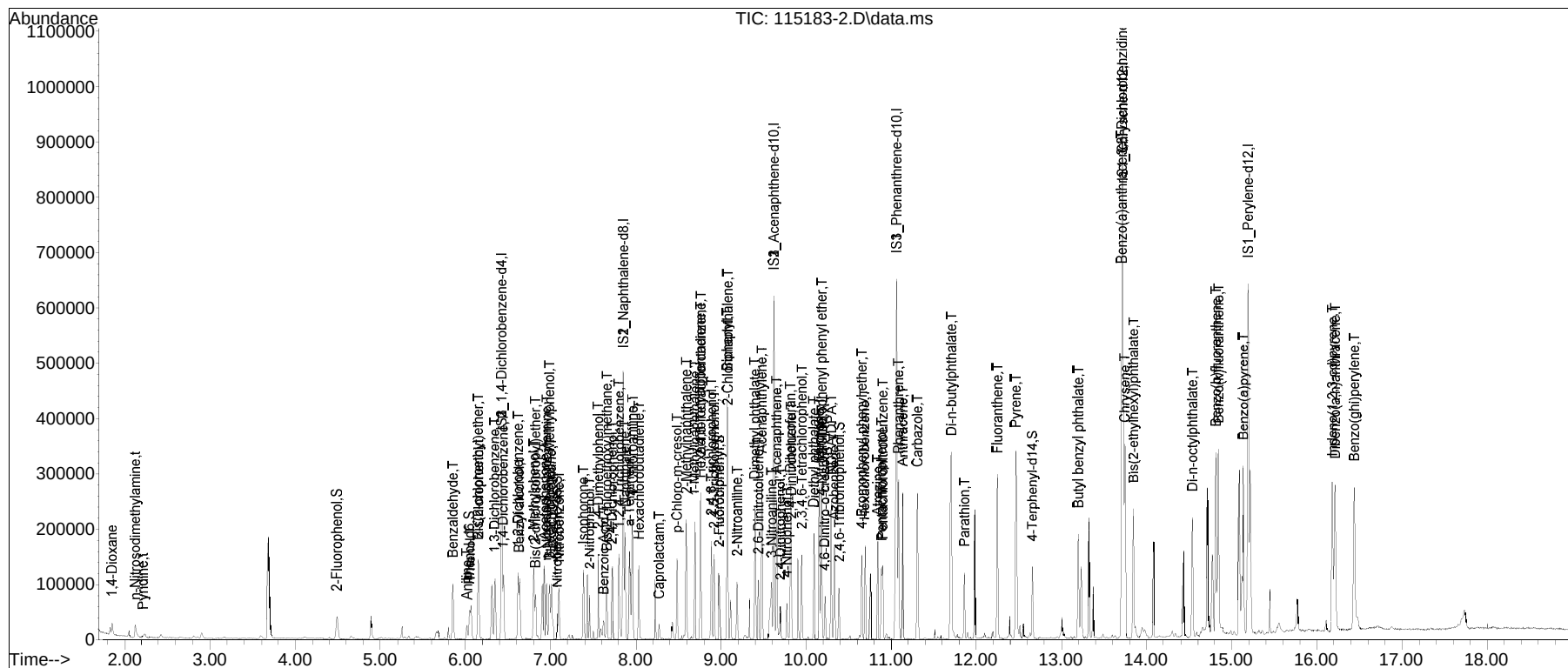
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

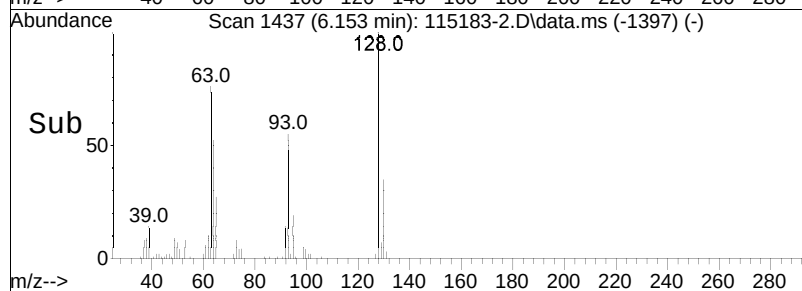
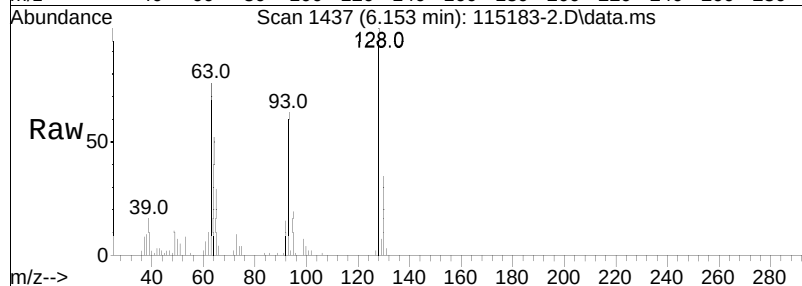
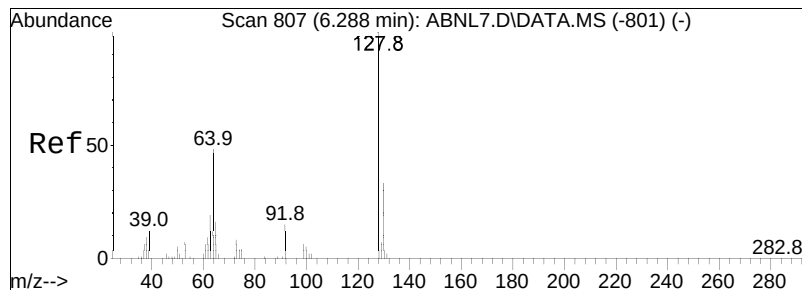
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
Data File : 115183-2.D
Acq On : 16 Sep 2025 10:23 am
Operator : SV107:smz
Sample : WG2115183-2,32,,gmr
Misc : WG2115301,WG2115183,ical22592
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 16 12:23:19 2025
Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 16 12:23:04 2025
Response via : Initial Calibration

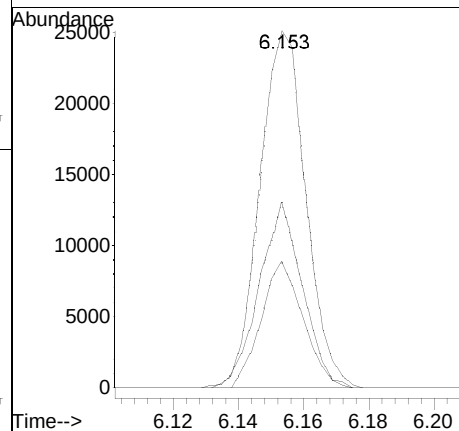
Sub List : 8270TCL_REV2 - TCL/CT/MA\AP90916a.D•

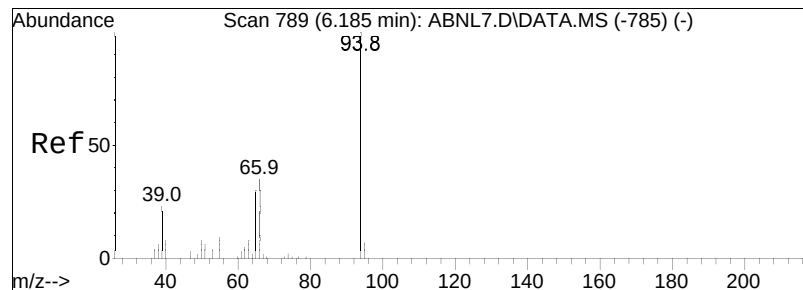




#6
 2-Chlorophenol
 Concen: 1.53 ug/ml
 RT: 6.153 min Scan# 1437
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

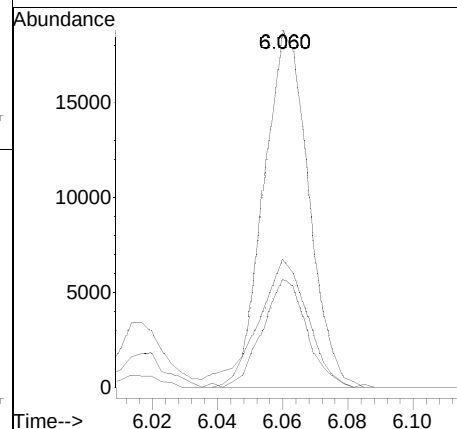
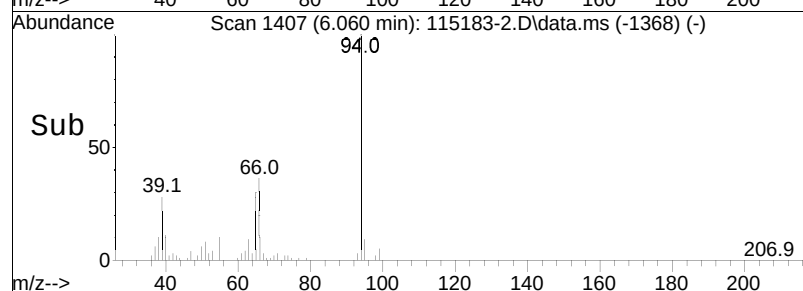
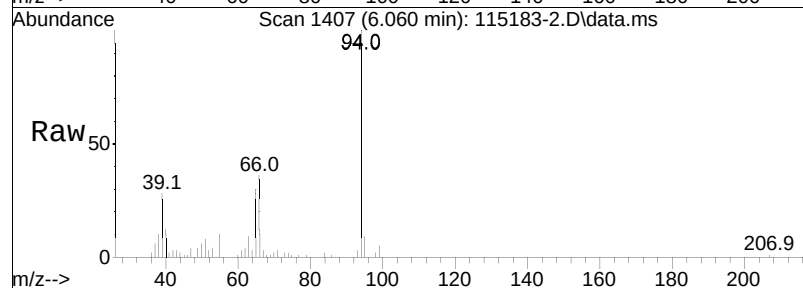
Tgt Ion	Ratio	Lower	Upper
128	100		
64	49.1	45.1	67.7
130	32.5	26.2	39.4

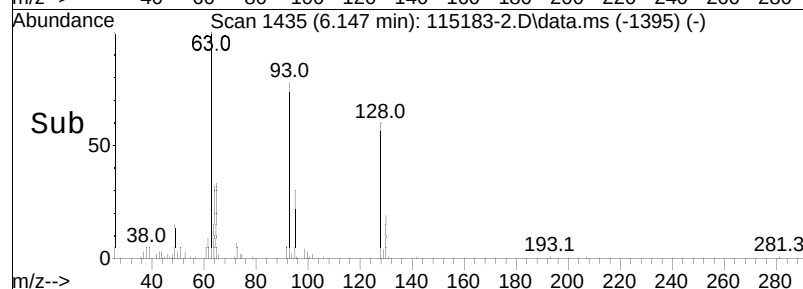
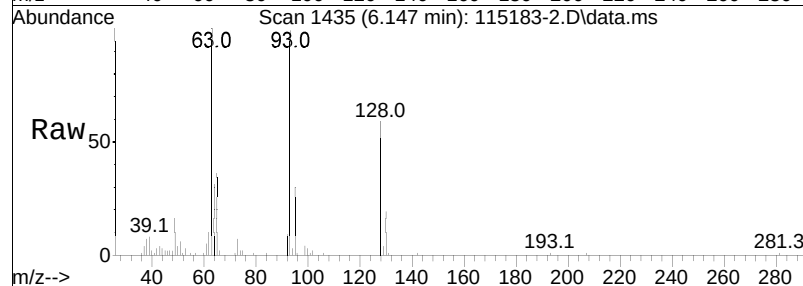
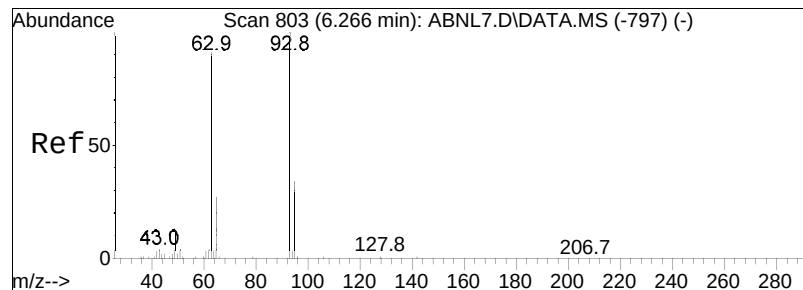




#8
 Phenol
 Concen: 0.97 ug/ml
 RT: 6.060 min Scan# 1407
 Delta R.T. -0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

Tgt	Ion	Ratio	Lower	Upper
94	100			
65	30.4	26.0	39.0	
66	40.6	33.8	50.8	





#9

Bis(2-chloroethyl)ether

Concen: 1.53 ug/ml

RT: 6.147 min Scan# 1435

Delta R.T. 0.000 min

Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am

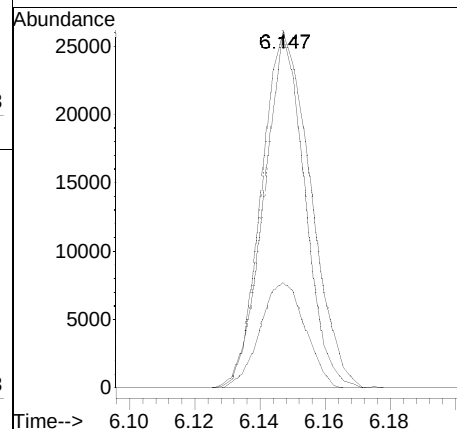
Tgt Ion: 93 Resp: 23821

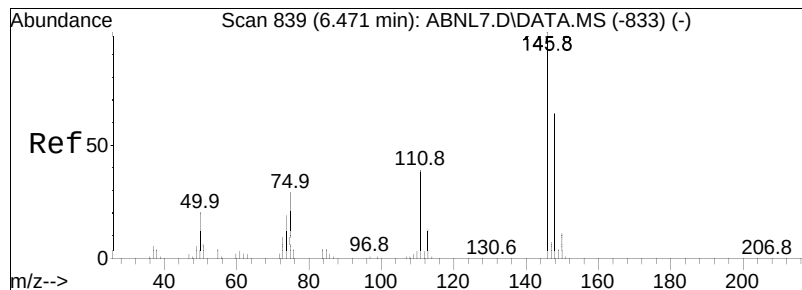
Ion Ratio Lower Upper

93 100

63 108.7 74.6 111.8

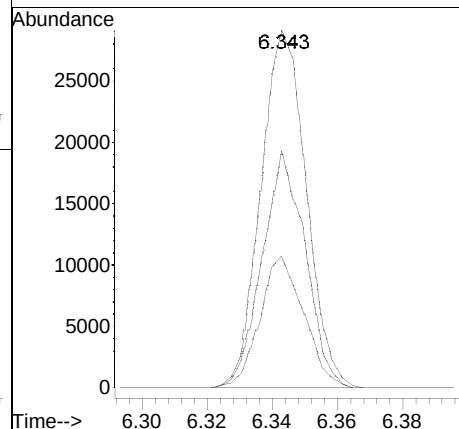
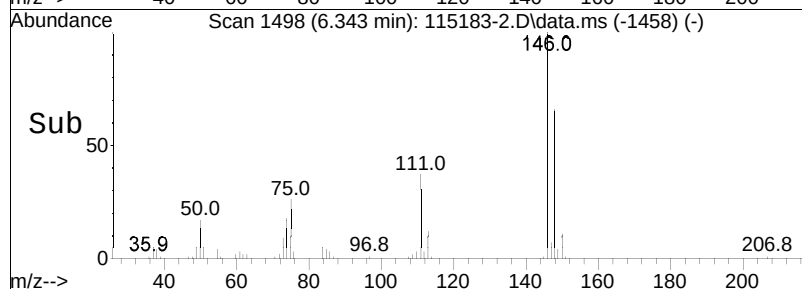
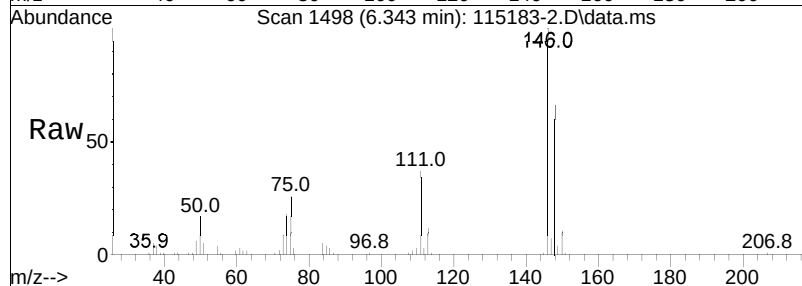
95 31.2 25.9 38.9

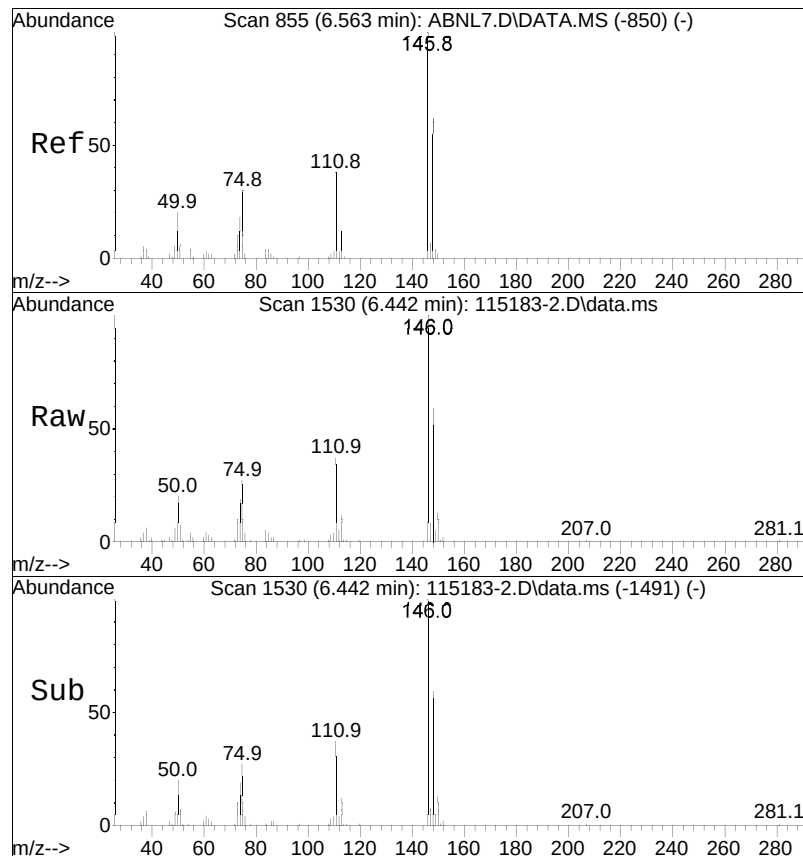




#10
 1,3-Dichlorobenzene
 Concen: 1.37 ug/ml
 RT: 6.343 min Scan# 1498
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

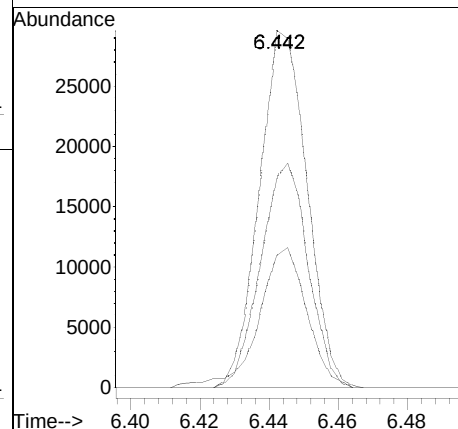
Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	34.3	51.5
148	62.8	50.8	76.2

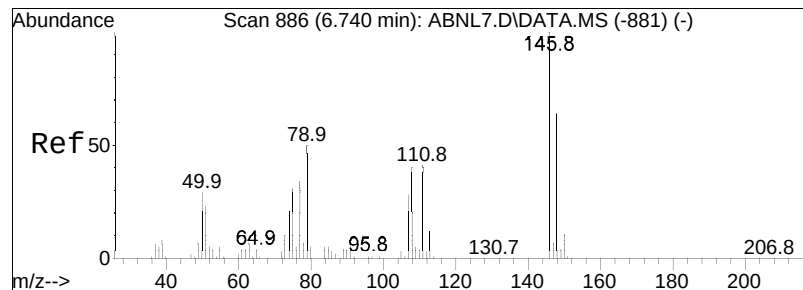




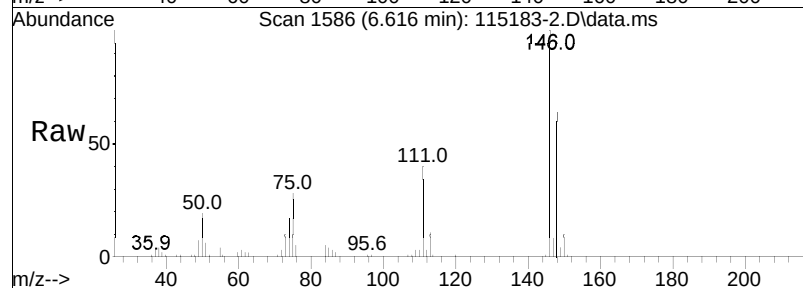
#11
 1,4-Dichlorobenzene
 Concen: 1.36 ug/ml
 RT: 6.442 min Scan# 1530
 Delta R.T. -0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

Tgt Ion:	146	Resp:	28242
Ion Ratio	Lower	Upper	
146	100		
148	62.5	50.7	76.1
111	39.8	33.4	50.0

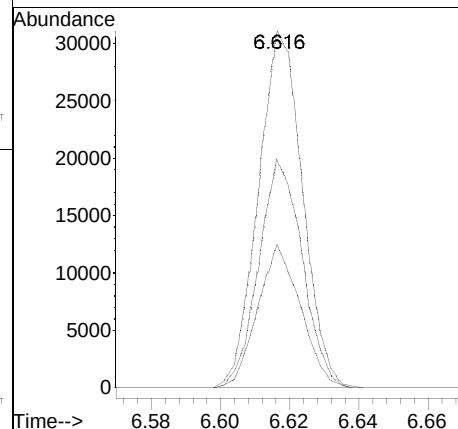
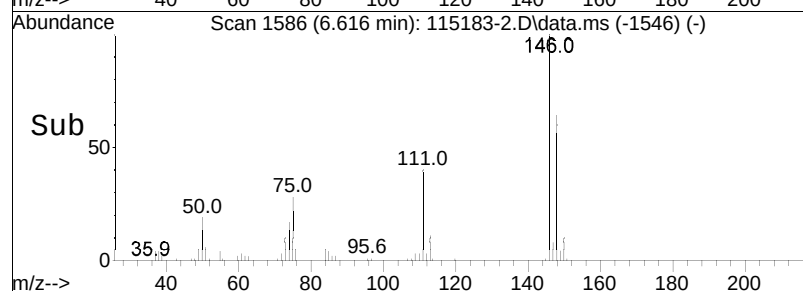


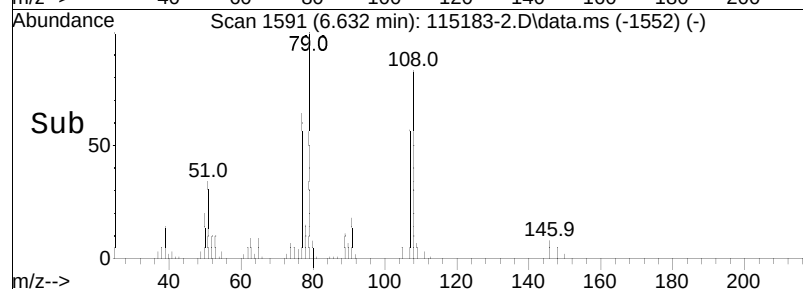
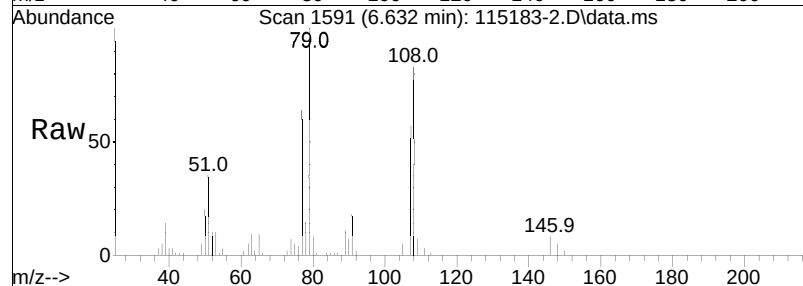
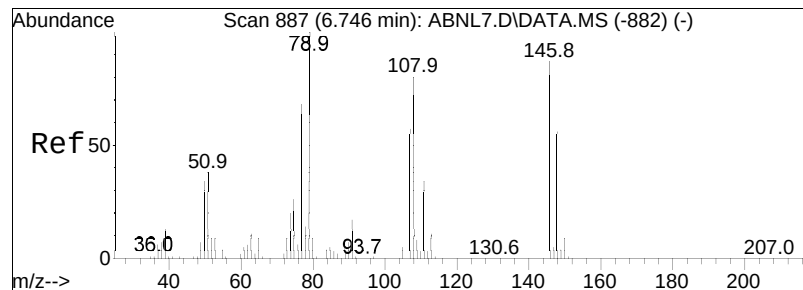


#12
 1,2-Dichlorobenzene
 Concen: 1.37 ug/ml
 RT: 6.616 min Scan# 1586
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am



Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	34.6	52.0
148	62.9	50.2	75.4





#13

Benzyl alcohol

Concen: 1.49 ug/ml

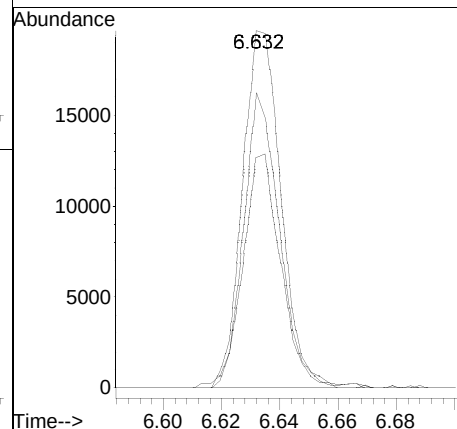
RT: 6.632 min Scan# 1591

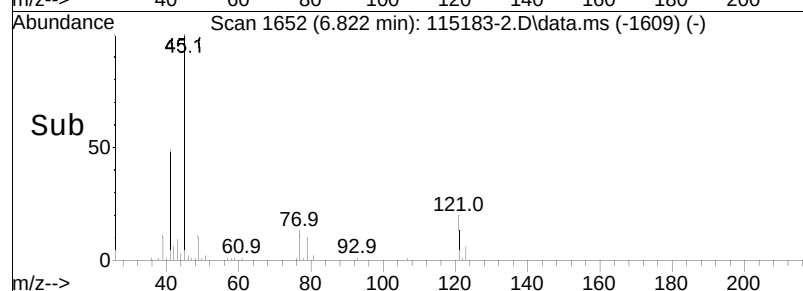
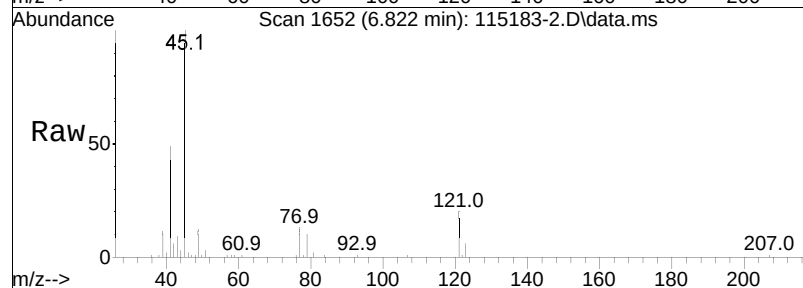
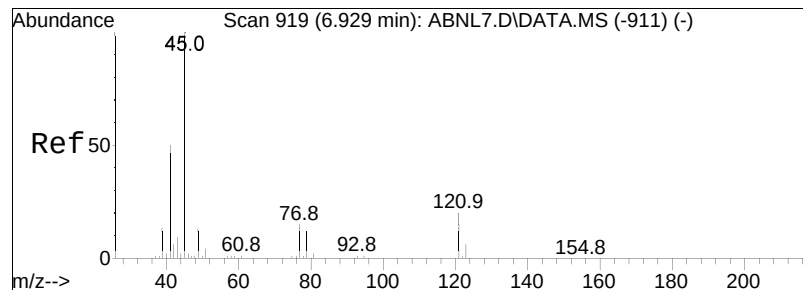
Delta R.T. -0.003 min

Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am

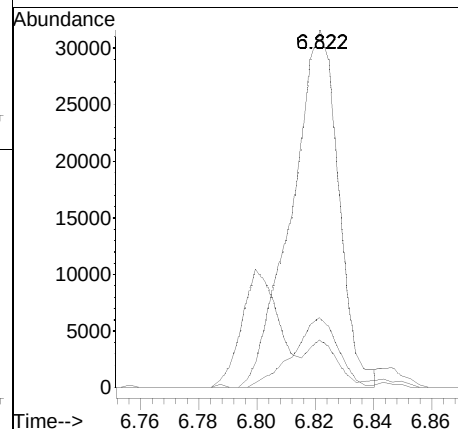
Tgt Ion:	79	Resp:	18148
Ion Ratio	Lower	Upper	
79	100		
77	63.2	54.9	82.3
108	77.0	63.1	94.7

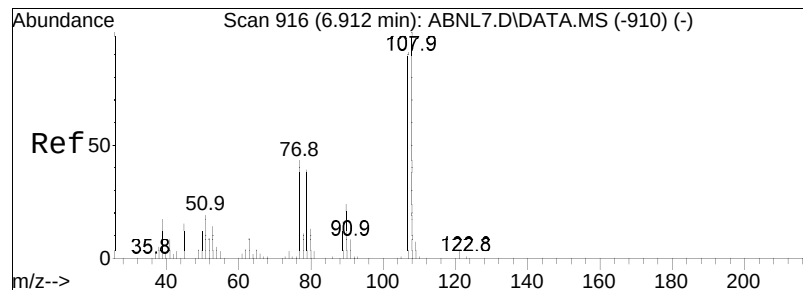




#14
 Bis(2-chloroisopropyl)ether
 Concen: 1.45 ug/ml
 RT: 6.822 min Scan# 1652
 Delta R.T. 0.009 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

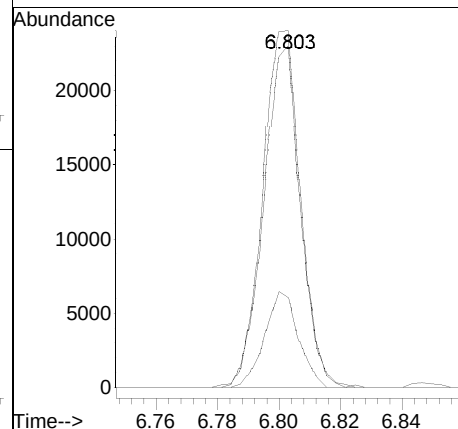
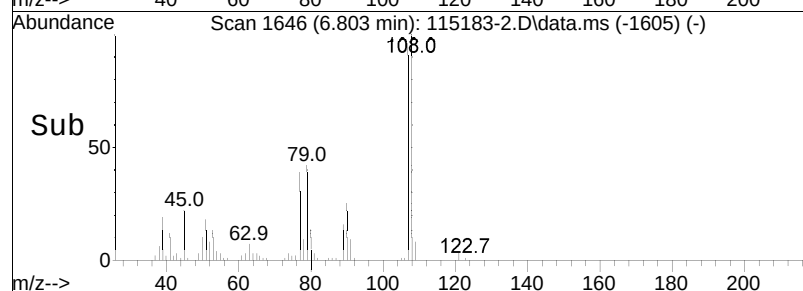
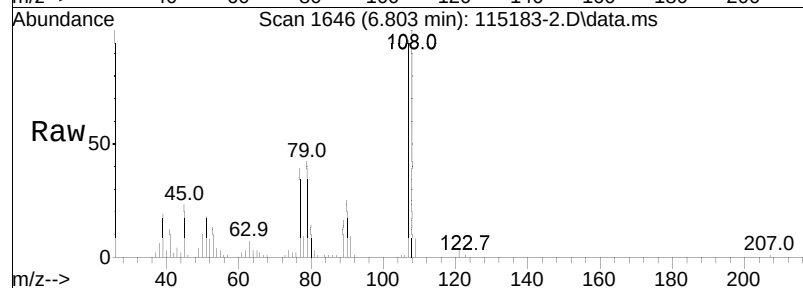
Tgt Ion	Ratio	Lower	Upper
45	100		
121	18.8	9.8	14.6#
77	8.4	6.1	9.1

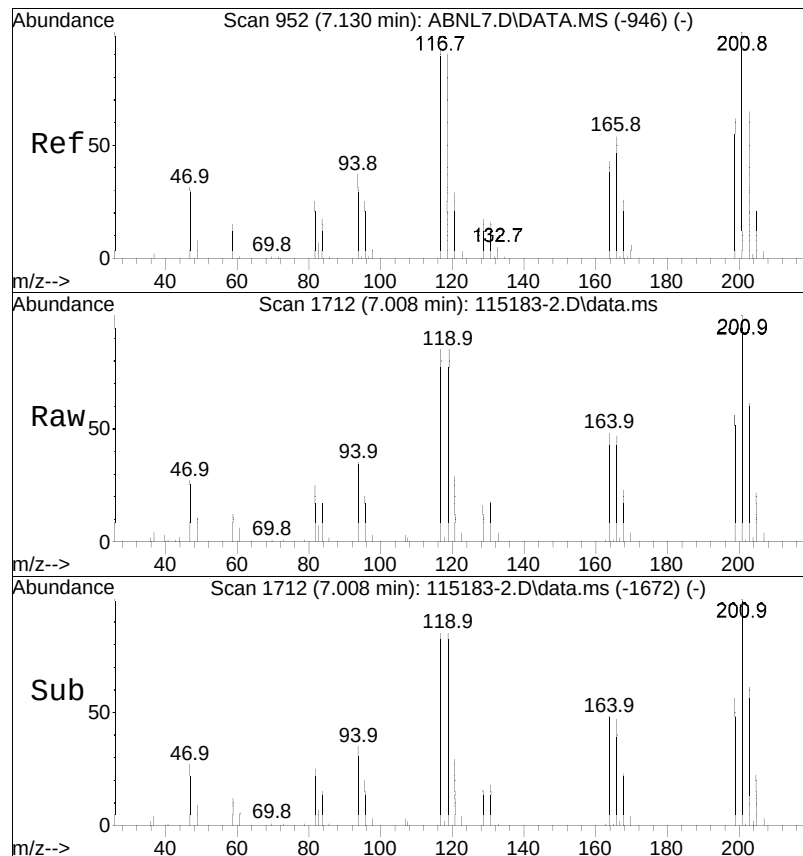




#15
 2-Methylphenol
 Concen: 1.51 ug/ml
 RT: 6.803 min Scan# 1646
 Delta R.T. 0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

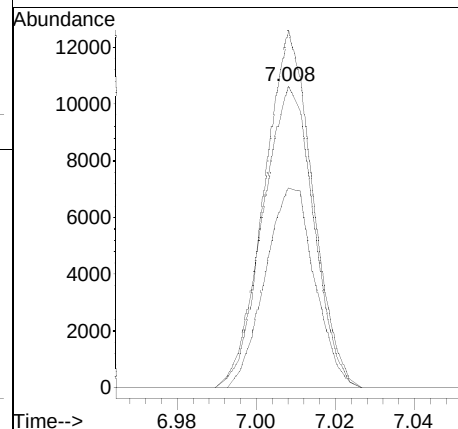
Tgt Ion	Ratio	Lower	Upper
108	100		
107	92.5	70.7	106.1
90	24.0	18.7	28.1

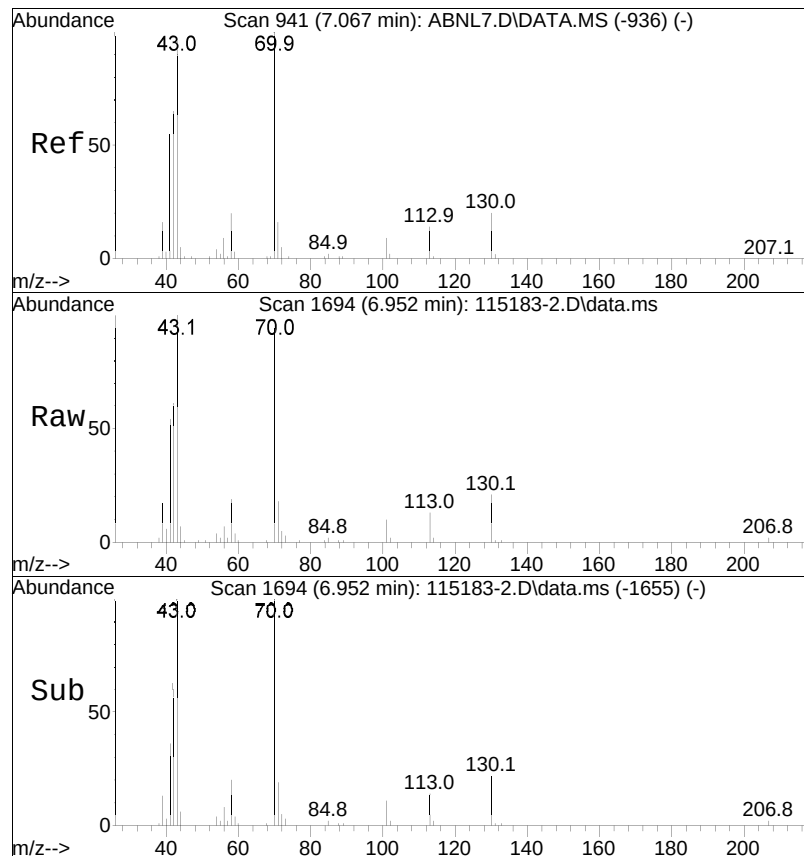




#16
 Hexachloroethane
 Concen: 1.24 ug/ml
 RT: 7.008 min Scan# 1712
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

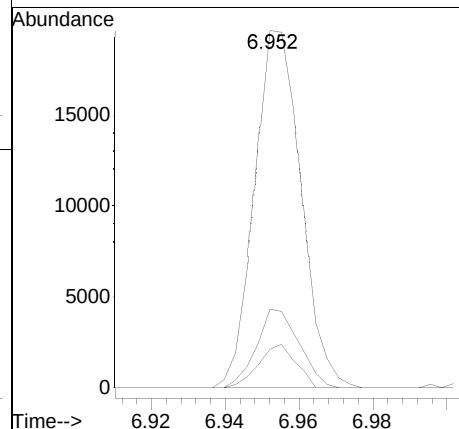
Tgt Ion:	117	Resp:	9505
Ion Ratio	Lower	Upper	
117	100		
201	111.0	58.6	87.8#
199	64.6	36.9	55.3#

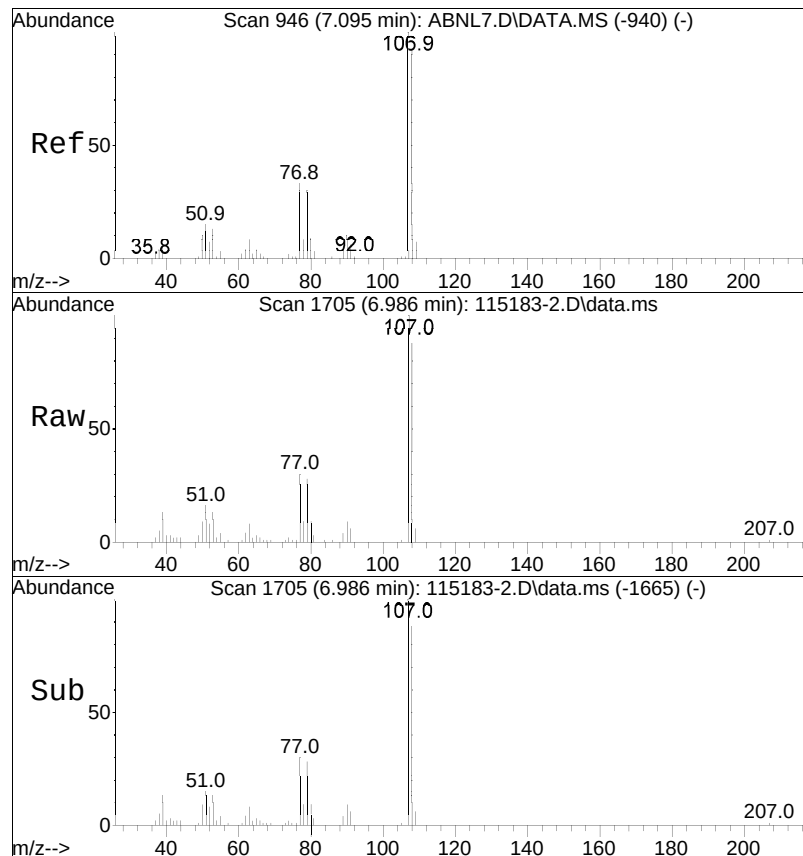




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.59 ug/ml
 RT: 6.952 min Scan# 1694
 Delta R.T. -0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

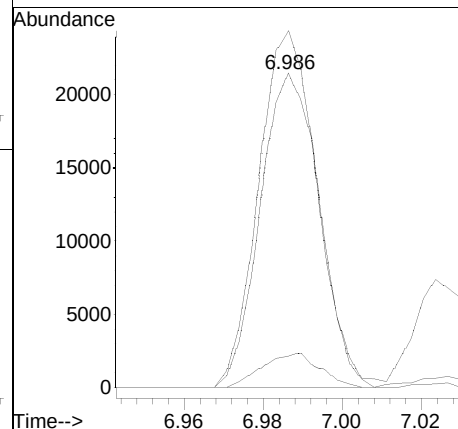
Tgt Ion:	70	Resp:	17117
Ion Ratio	Lower	Upper	
70	100		
130	20.1	18.2	27.4
101	9.7	7.8	11.8

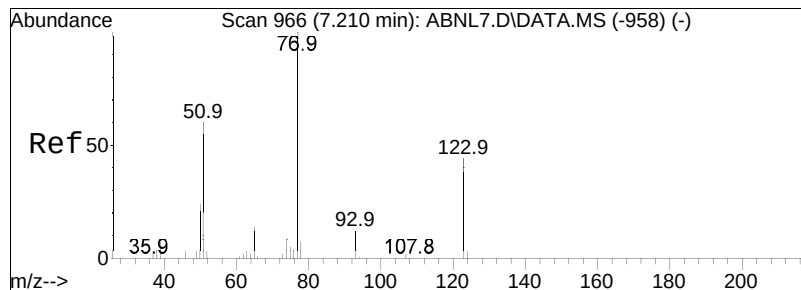




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.55 ug/ml
 RT: 6.986 min Scan# 1705
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

Tgt Ion:	108	Resp:	22285
Ion Ratio	Lower	Upper	
108	100		
107	112.5	88.6	132.8
90	10.6	8.8	13.2





#20

Nitrobenzene

Concen: 1.59 ug/ml

RT: 7.101 min Scan# 1742

Delta R.T. 0.000 min

Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am

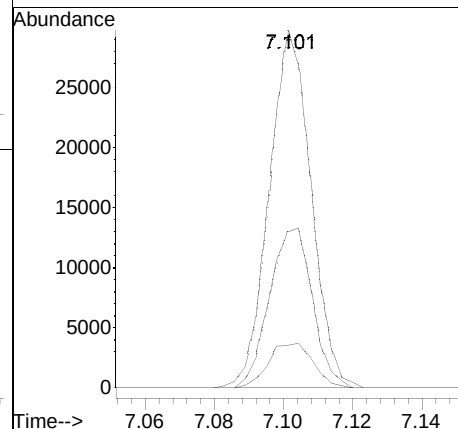
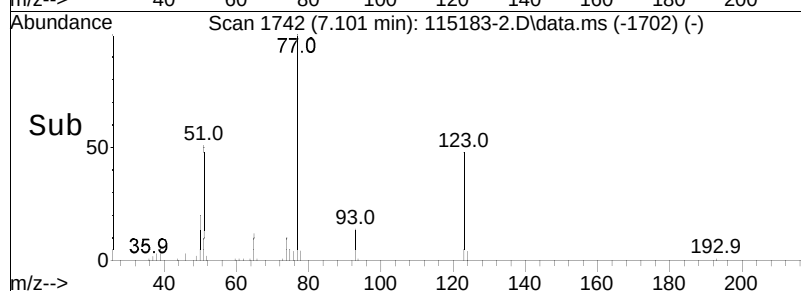
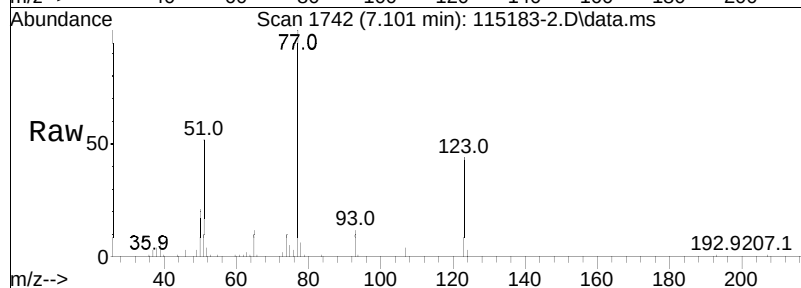
Tgt Ion: 77 Resp: 24788

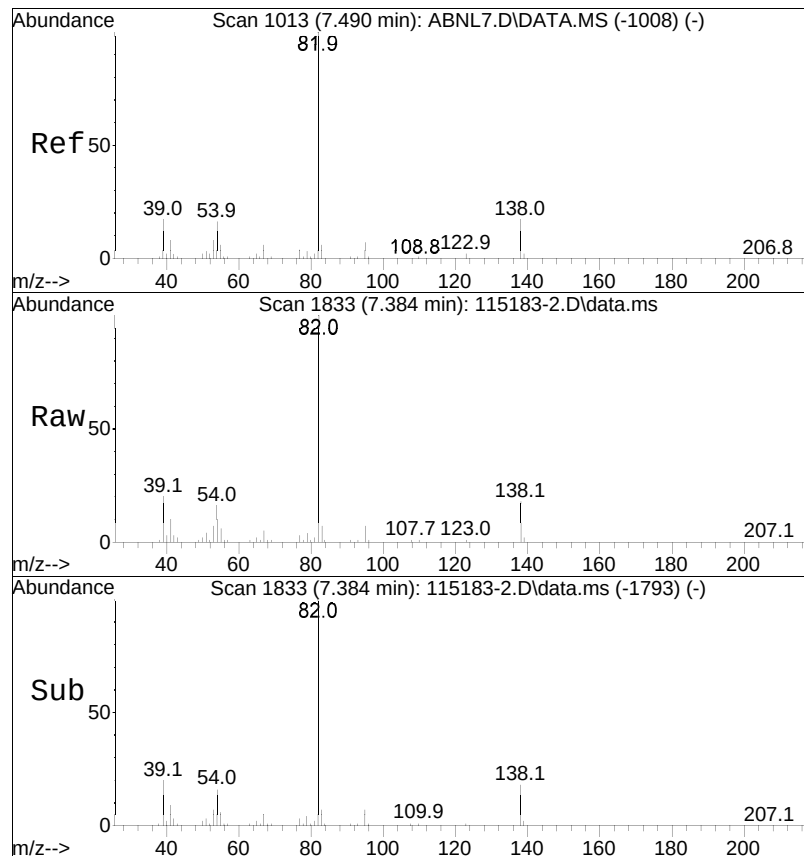
Ion Ratio Lower Upper

77 100

123 45.8 36.3 54.5

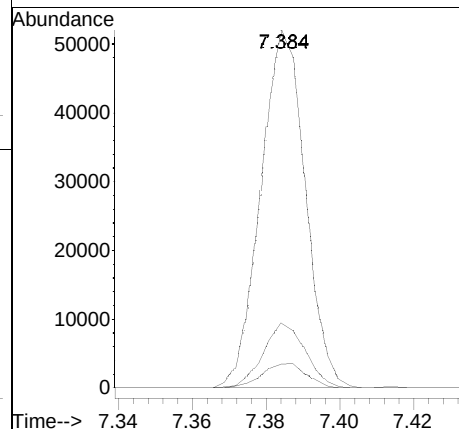
65 13.4 11.6 17.4

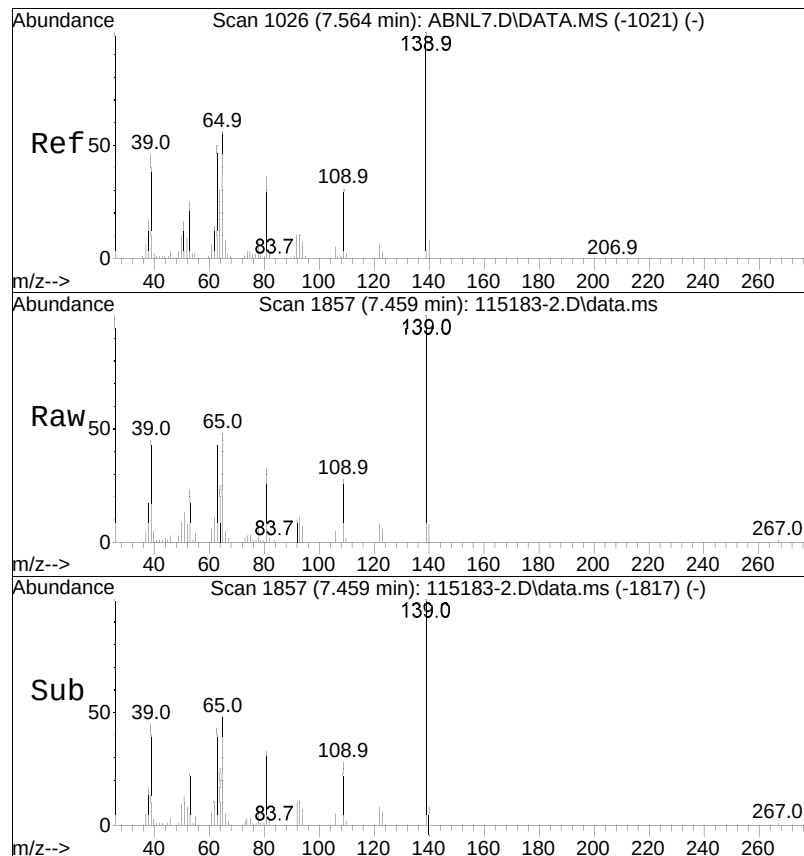




#21
 Isophorone
 Concen: 1.53 ug/ml
 RT: 7.384 min Scan# 1833
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

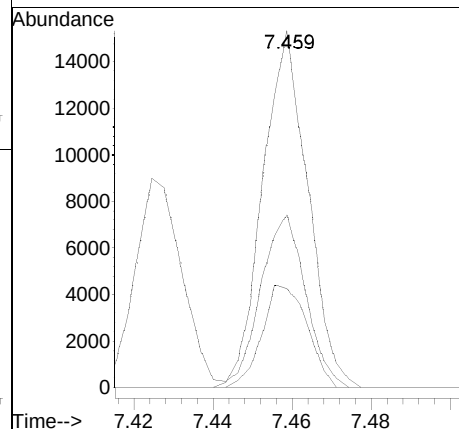
Tgt Ion:	82	Resp:	43213
Ion Ratio	Lower	Upper	
82	100		
138	17.4	14.7	22.1
95	6.9	5.2	7.8

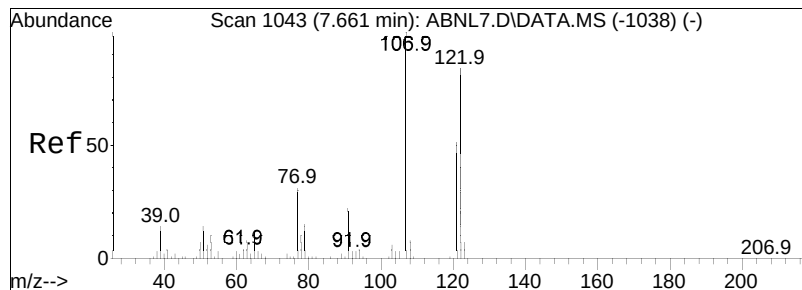




#22
 2-Nitrophenol
 Concen: 1.87 ug/ml
 RT: 7.459 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

Tgt Ion	Ratio	Lower	Upper
139	100		
109	28.7	19.4	29.0
65	48.2	46.1	69.1





#23

2,4-Dimethylphenol

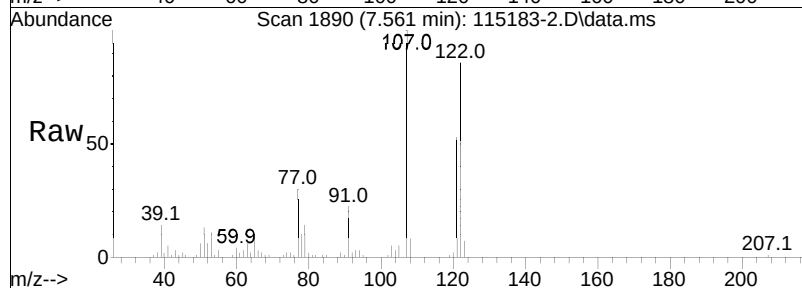
Concen: 1.57 ug/ml

RT: 7.561 min Scan# 1890

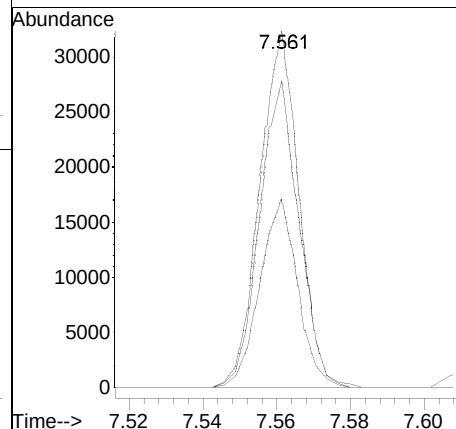
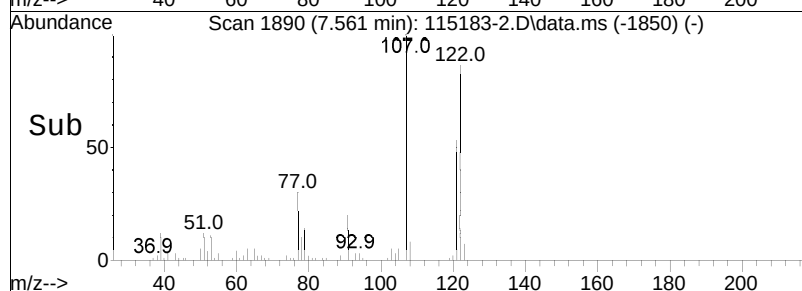
Delta R.T. 0.000 min

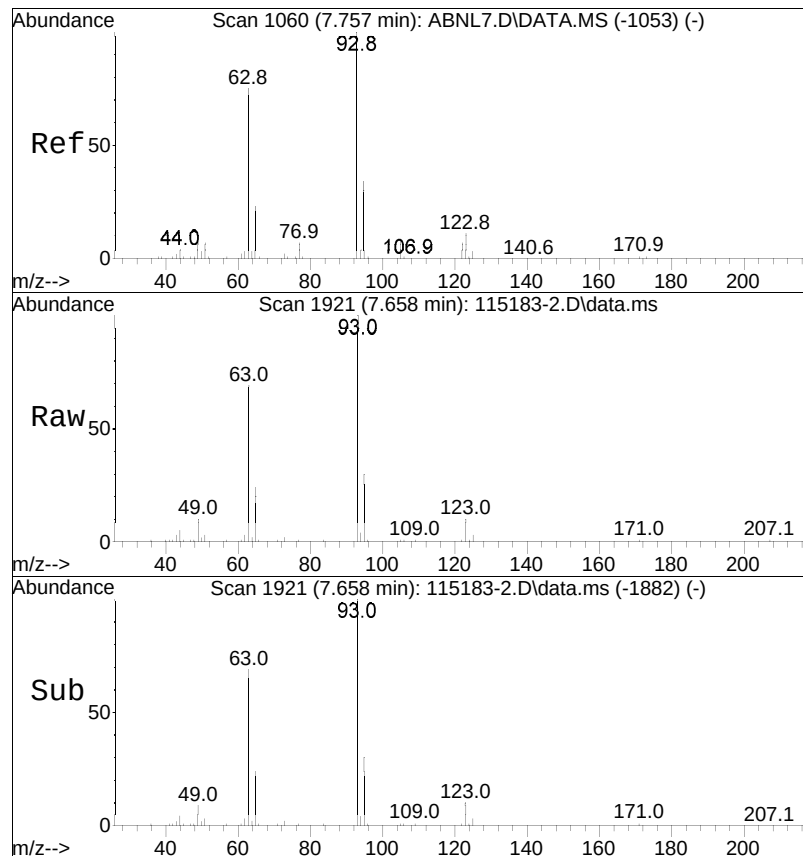
Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am



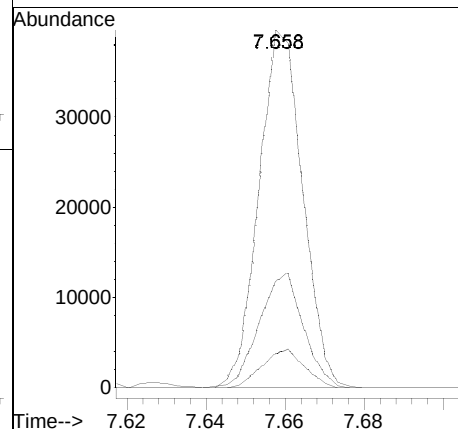
Tgt Ion:	107	Resp:	23741
Ion Ratio	Lower	Upper	
107	100		
121	51.2	40.0	60.0
122	85.9	70.2	105.4

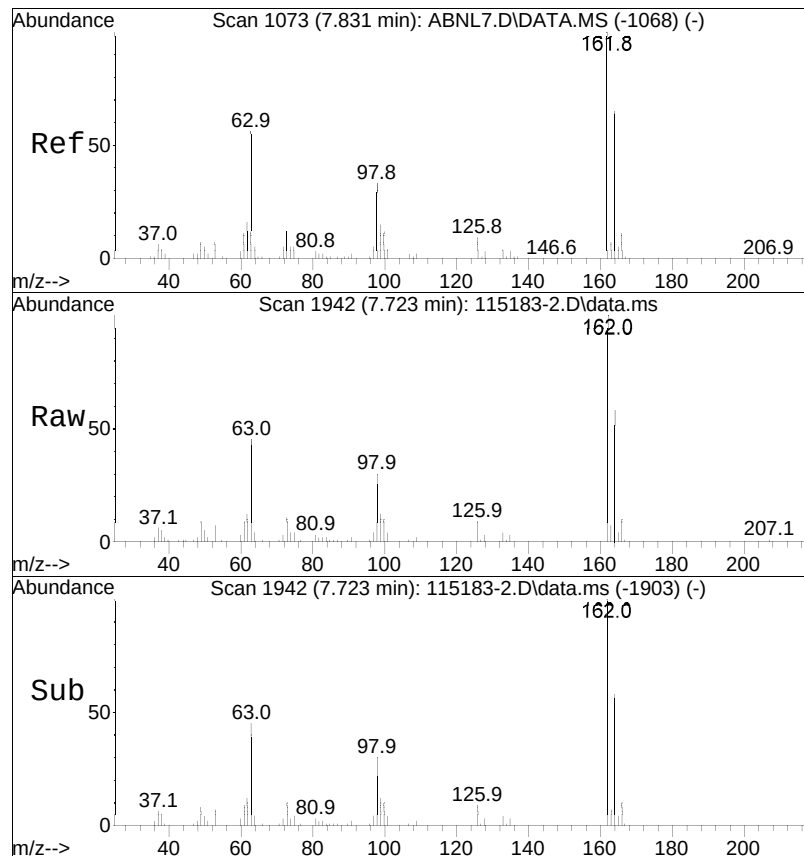




#24
 Bis(2-chloroethoxy)methane
 Concen: 1.59 ug/ml
 RT: 7.658 min Scan# 1921
 Delta R.T. -0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

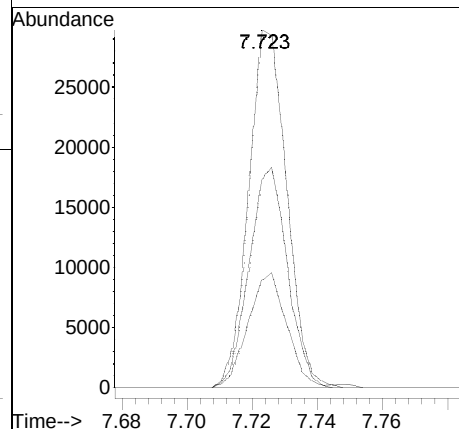
Tgt Ion:	93	Resp:	30205
Ion Ratio	Lower	Upper	
93	100		
95	32.5	25.8	38.8
123	10.5	10.1	15.1

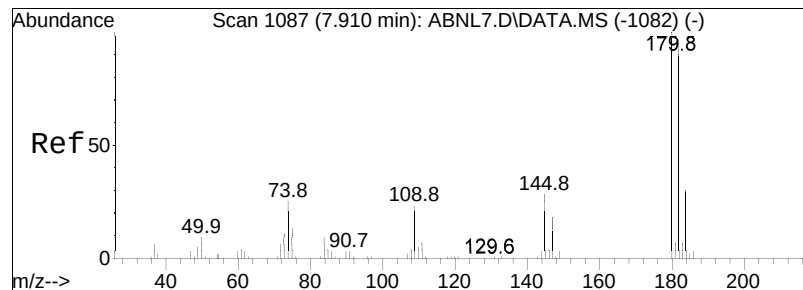




#25
 2,4-Dichlorophenol
 Concen: 1.65 ug/ml
 RT: 7.723 min Scan# 1942
 Delta R.T. -0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

Tgt Ion:	162	Resp:	23933
Ion Ratio	Lower	Upper	
162	100		
164	62.1	51.0	76.4
98	32.7	32.2	48.2





#26

1,2,4-Trichlorobenzene

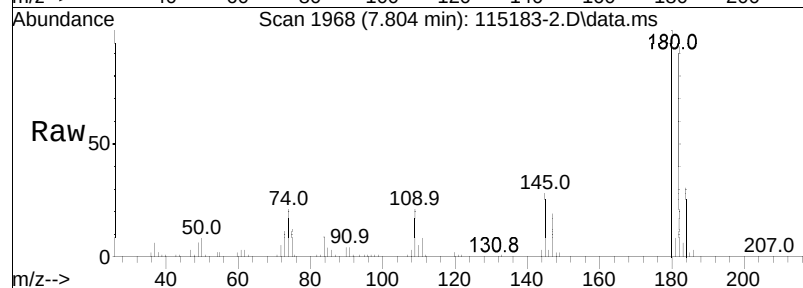
Concen: 1.37 ug/ml

RT: 7.804 min Scan# 1968

Delta R.T. -0.003 min

Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am



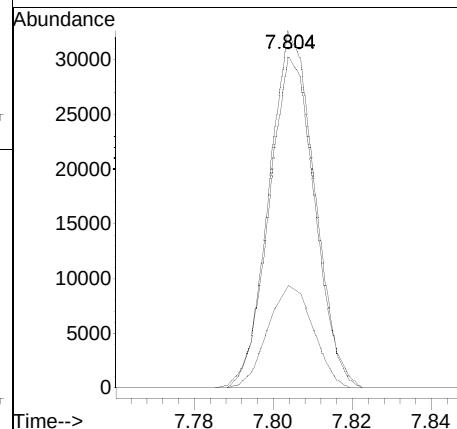
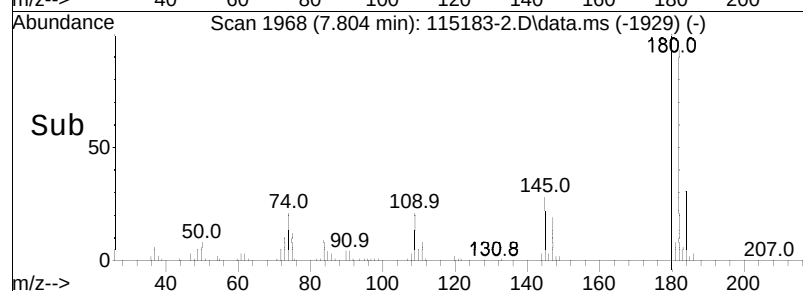
Tgt Ion:180 Resp: 25945

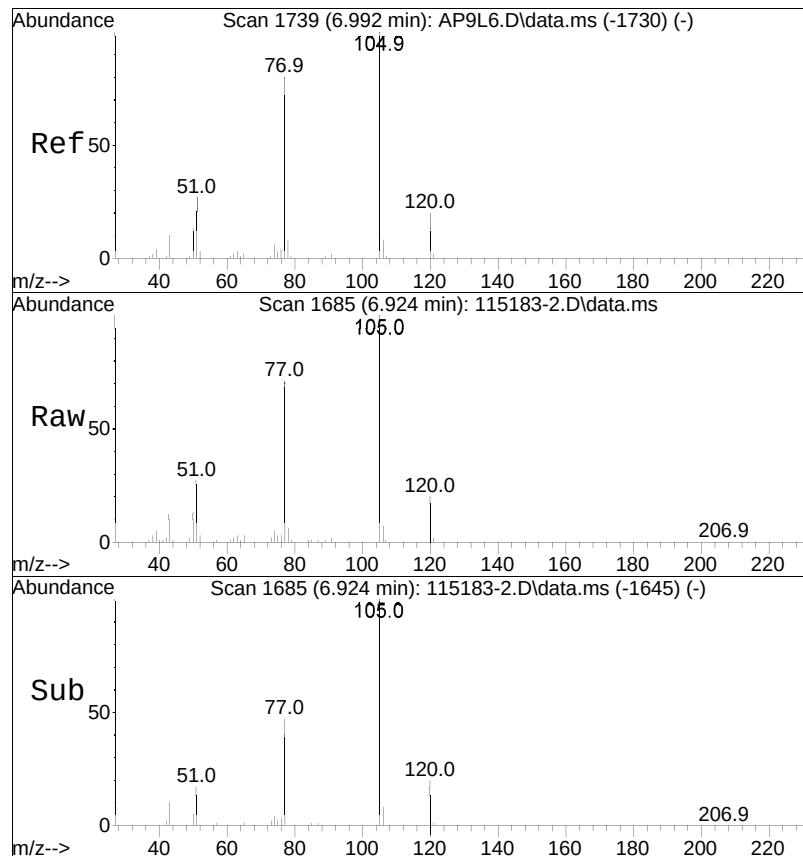
Ion Ratio Lower Upper

180 100

182 93.2 76.0 114.0

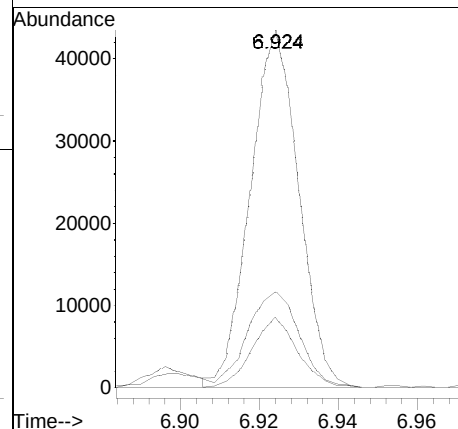
145 28.8 25.7 38.5

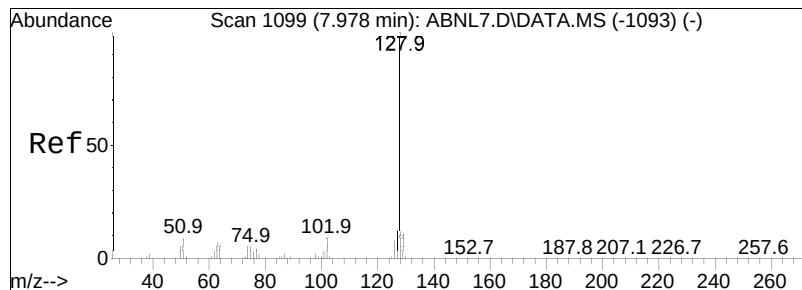




#29
 Acetophenone
 Concen: 1.56 ug/ml
 RT: 6.924 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

Tgt Ion:	105	Resp:	36671
Ion Ratio	Lower	Upper	
105	100		
120	18.6	20.5	30.7#
51	28.7	34.9	52.3#





#36

Naphthalene

Concen: 1.43 ug/ml

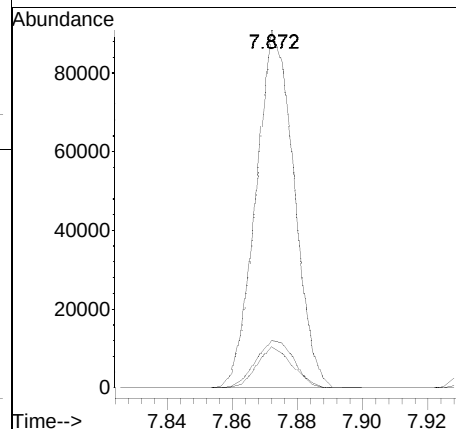
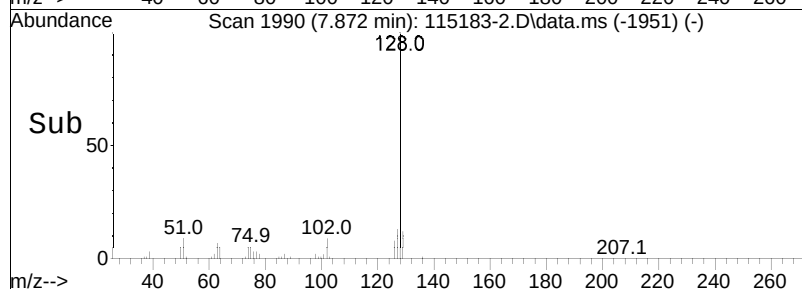
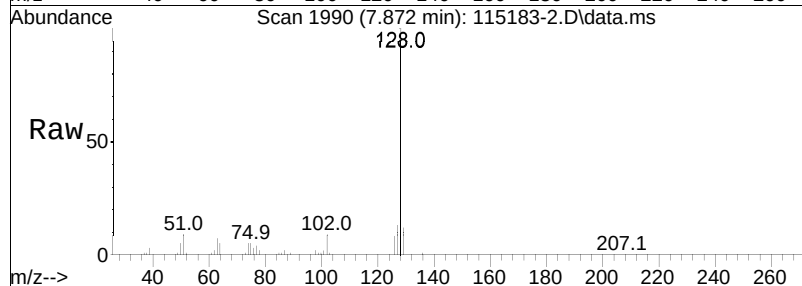
RT: 7.872 min Scan# 1990

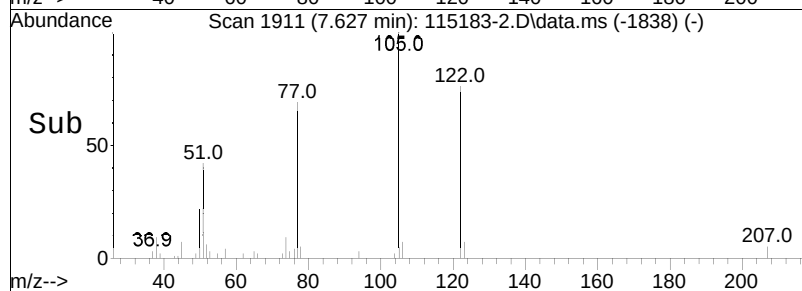
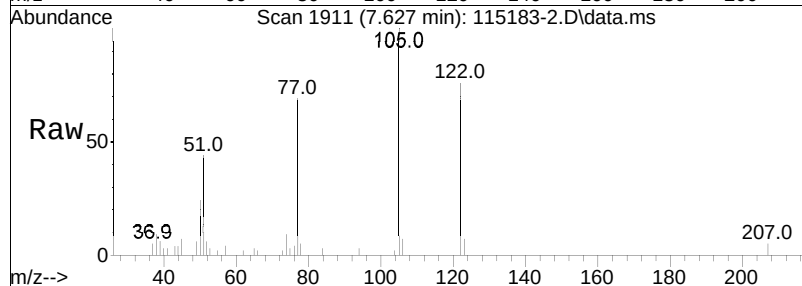
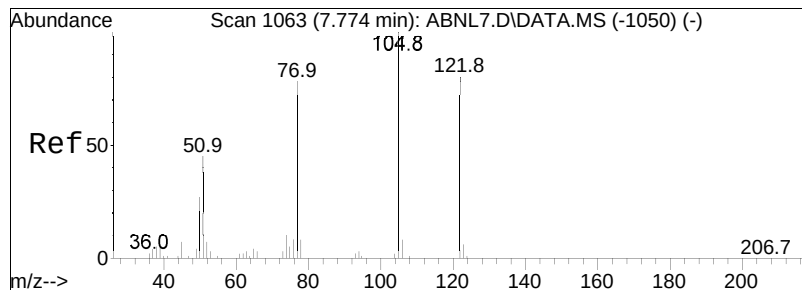
Delta R.T. -0.003 min

Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.7	10.3	15.5





#37

Benzoic Acid

Concen: 2.03 ug/ml

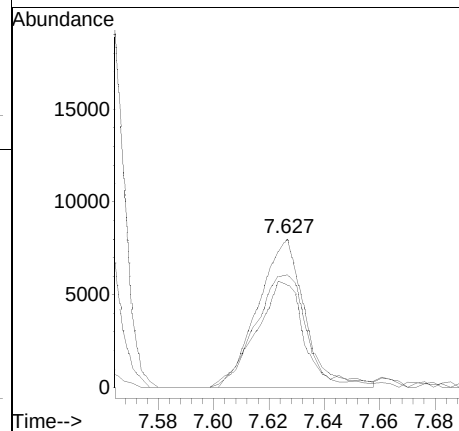
RT: 7.627 min Scan# 1911

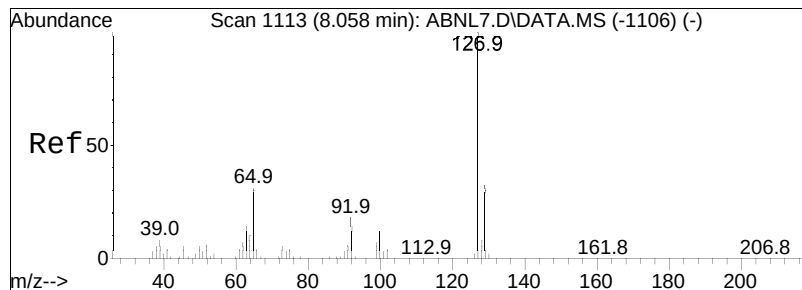
Delta R.T. -0.022 min

Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am

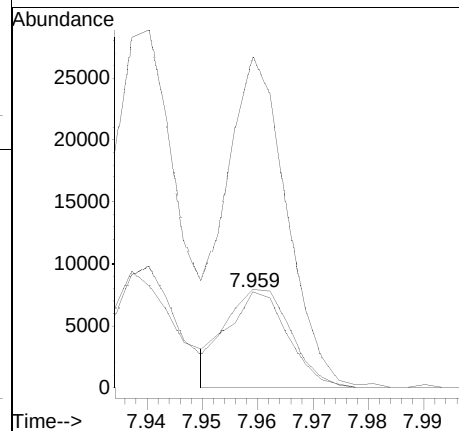
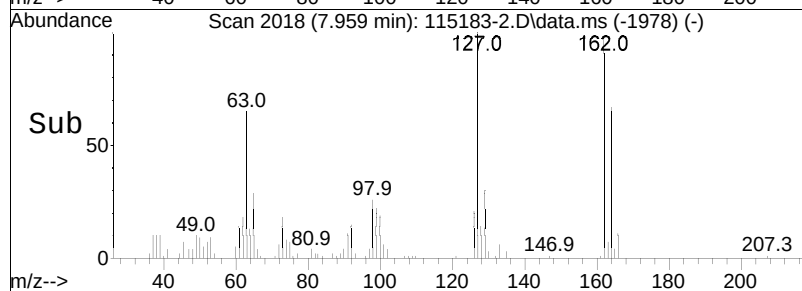
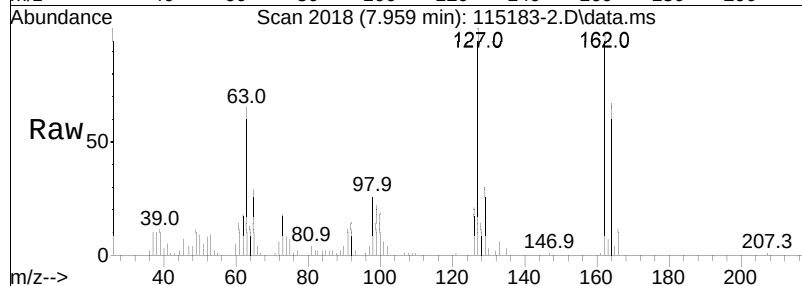
Tgt	Ion:105	Resp:	9568
Ion	Ratio	Lower	Upper
105	100		
122	81.8	59.9	89.9
77	73.0	60.1	90.1

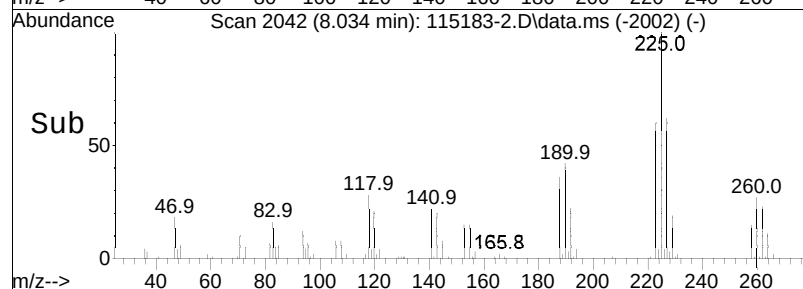
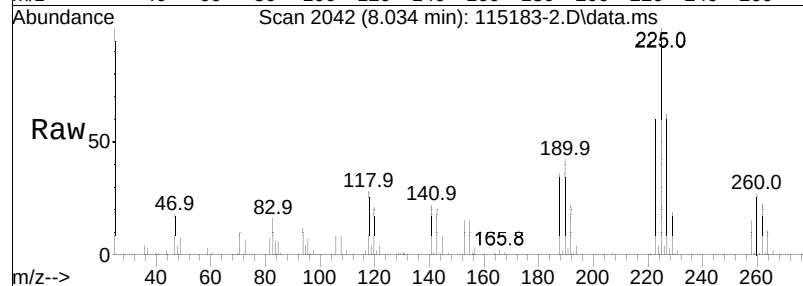
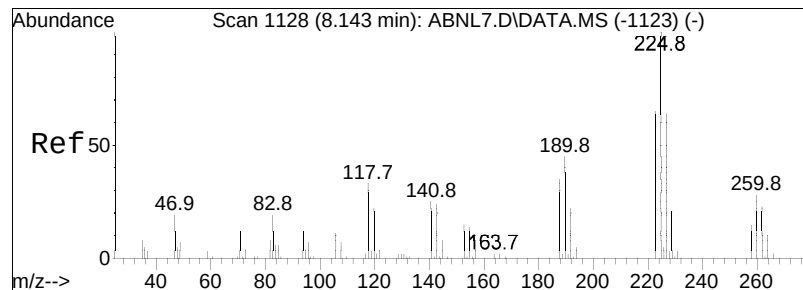




#38
 4-Chloroaniline
 Concen: 1.01 ug/ml
 RT: 7.959 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

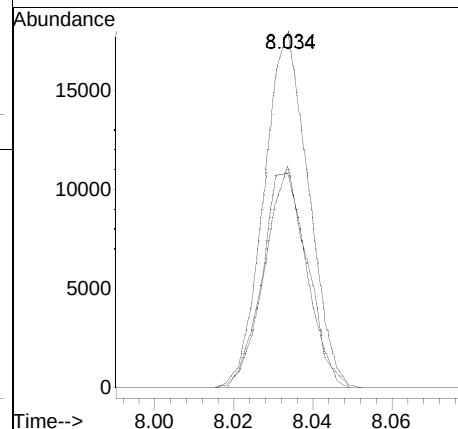
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	5894		
127	341.4		237.6	356.4
129	110.1		76.3	114.5

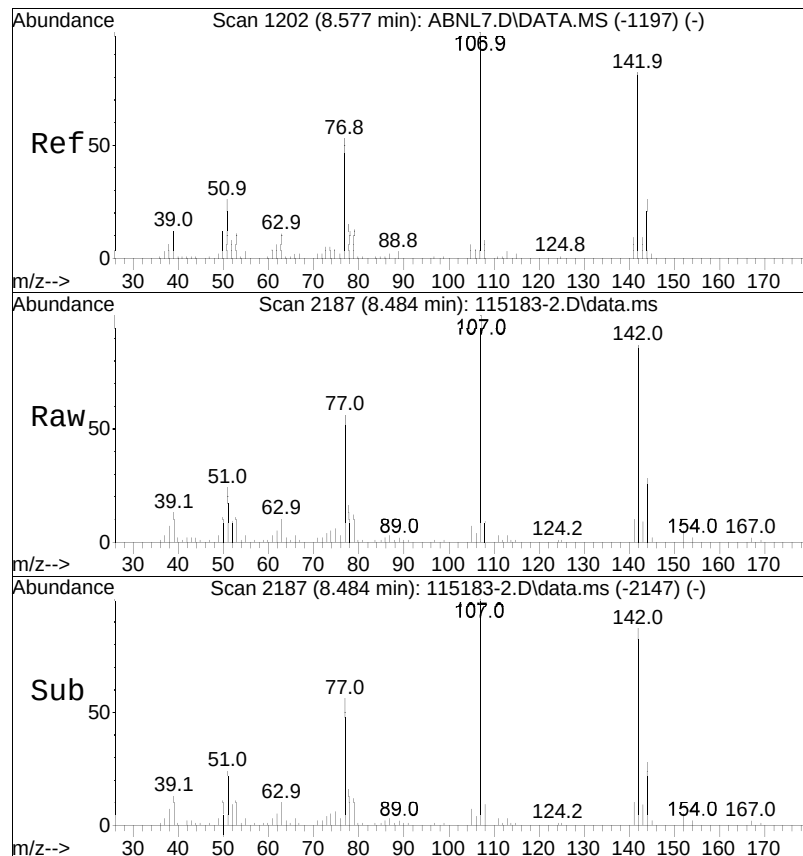




#39
 Hexachlorobutadiene
 Concen: 1.25 ug/ml
 RT: 8.034 min Scan# 2042
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

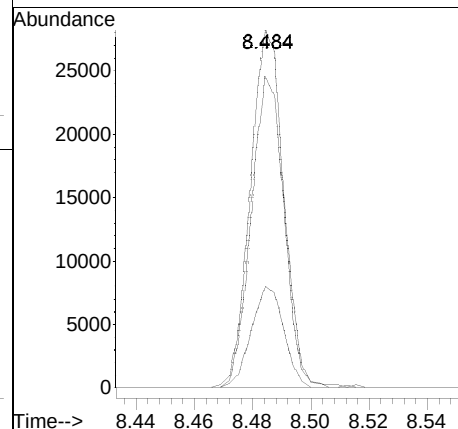
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14015		
223	60.6		50.3	75.5
227	59.9		52.2	78.2

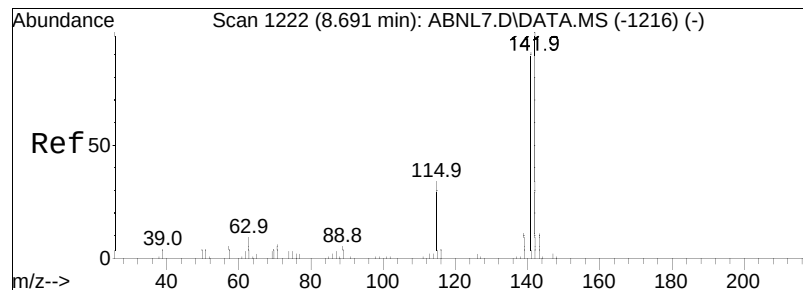




#40
 p-Chloro-m-cresol
 Concen: 1.80 ug/ml
 RT: 8.484 min Scan# 2187
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

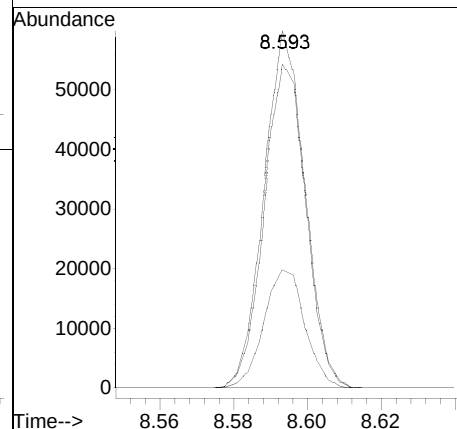
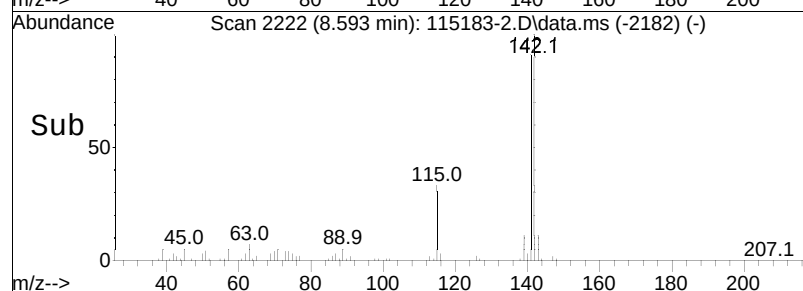
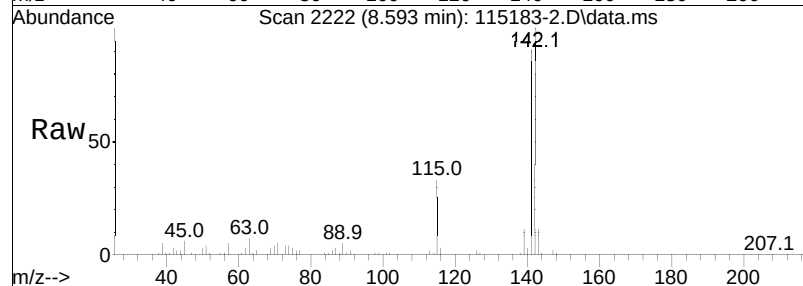
Tgt Ion:	107	Resp:	22322
Ion Ratio	Lower	Upper	
107	100		
144	27.6	20.9	31.3
142	85.0	66.1	99.1

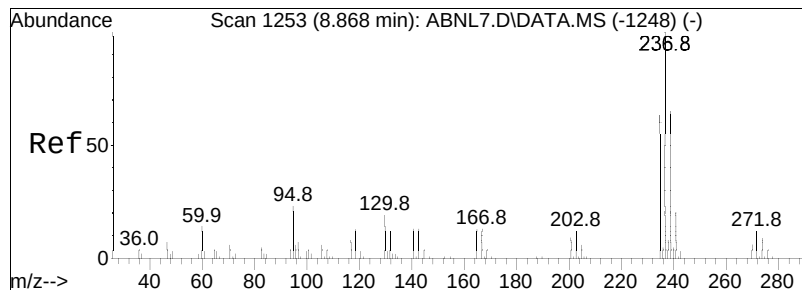




#41
 2-Methylnaphthalene
 Concen: 1.50 ug/ml
 RT: 8.593 min Scan# 2222
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	69.6	104.4
115	33.3	26.6	40.0





#43

Hexachlorocyclopentadiene

Concen: 1.19 ug/ml

RT: 8.761 min Scan# 2276

Delta R.T. 0.000 min

Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am

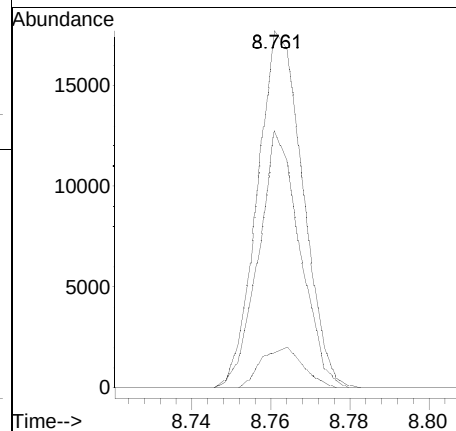
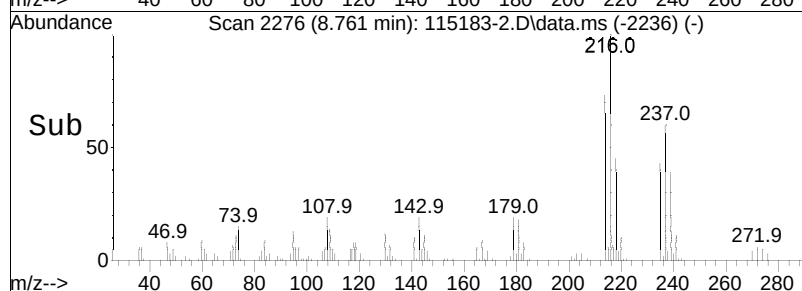
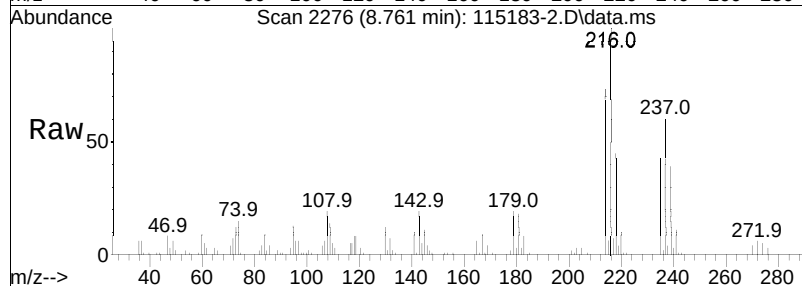
Tgt Ion: 237 Resp: 14097

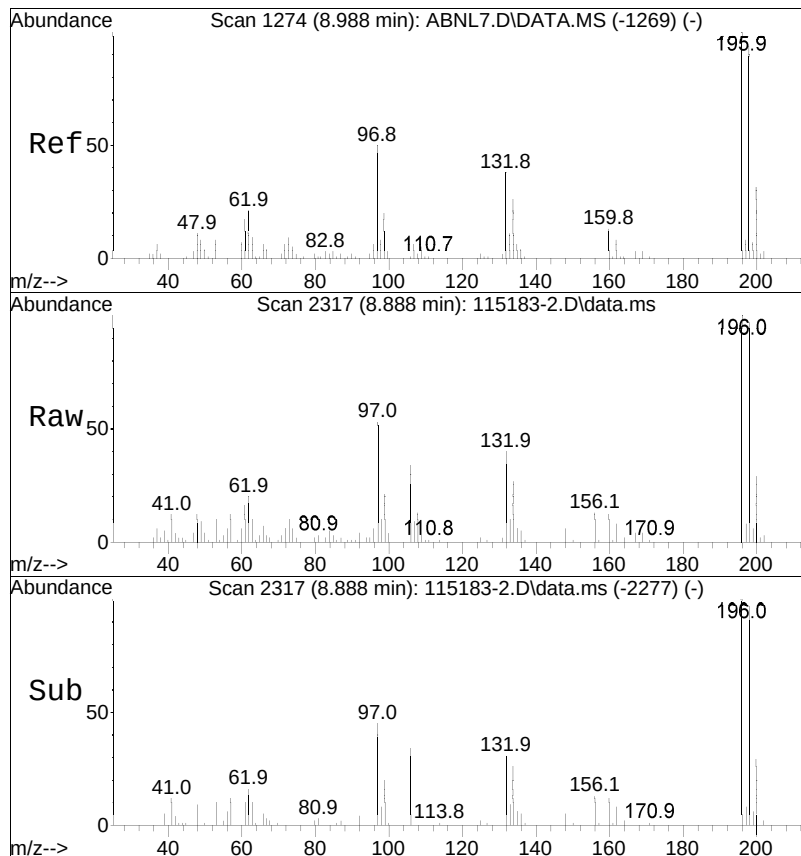
Ion Ratio Lower Upper

237 100

235 66.0 49.7 74.5

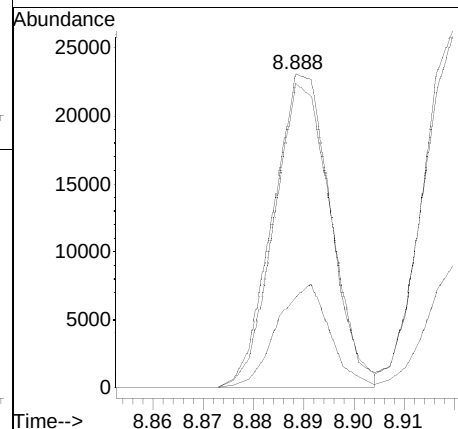
272 10.7 9.8 14.6

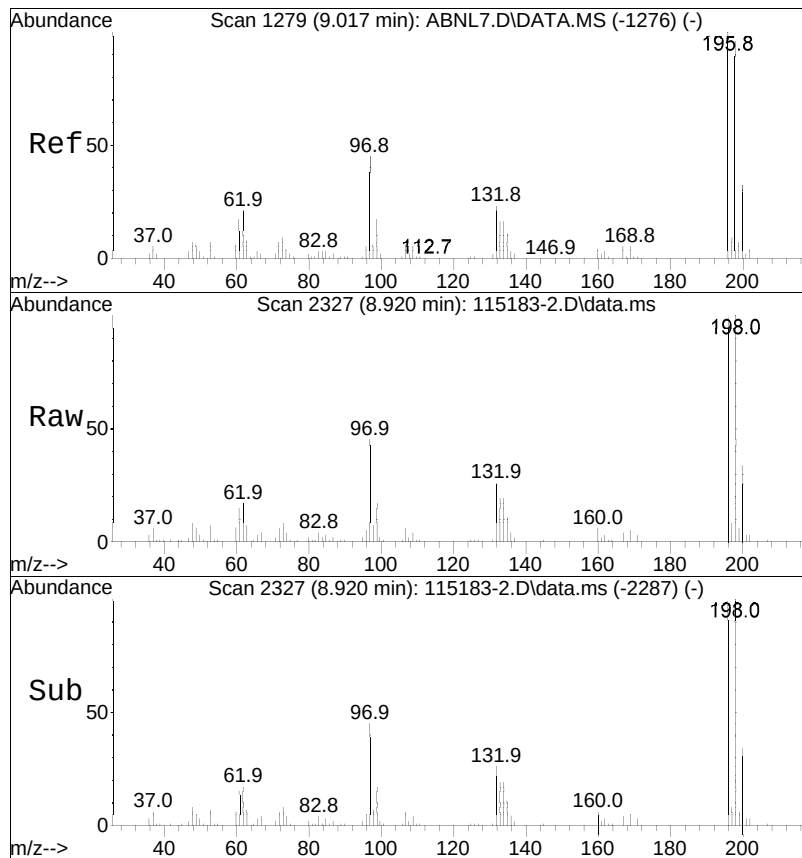




#44
 2,4,6-Trichlorophenol
 Concen: 1.77 ug/ml
 RT: 8.888 min Scan# 2317
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

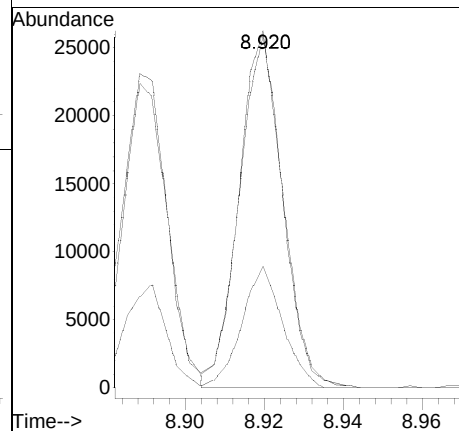
Tgt Ion:	196	Resp:	18398
Ion Ratio	Lower	Upper	
196	100		
198	95.2	77.5	116.3
200	30.2	23.8	35.6

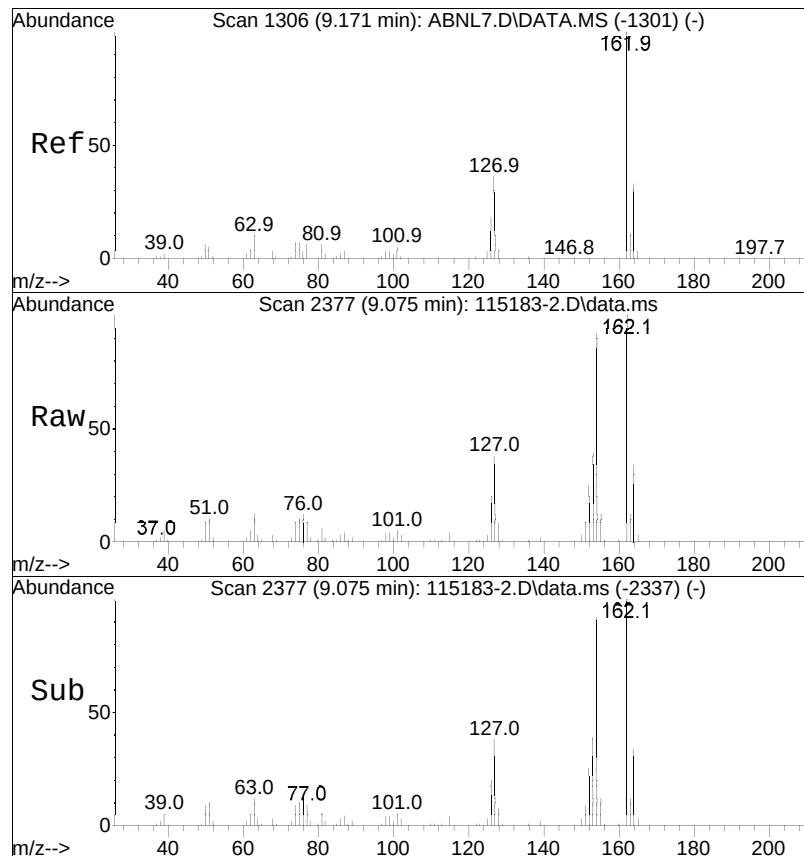




#45
 2,4,5-Trichlorophenol
 Concen: 1.77 ug/ml
 RT: 8.920 min Scan# 2327
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

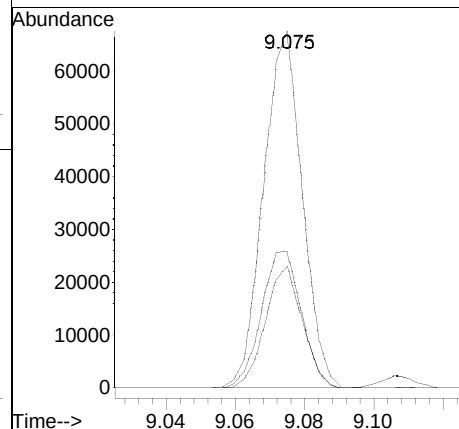
Tgt Ion:	196	Resp:	19705
Ion Ratio	Lower	Upper	
196	100		
200	32.5	25.4	38.0
198	102.1	78.0	117.0

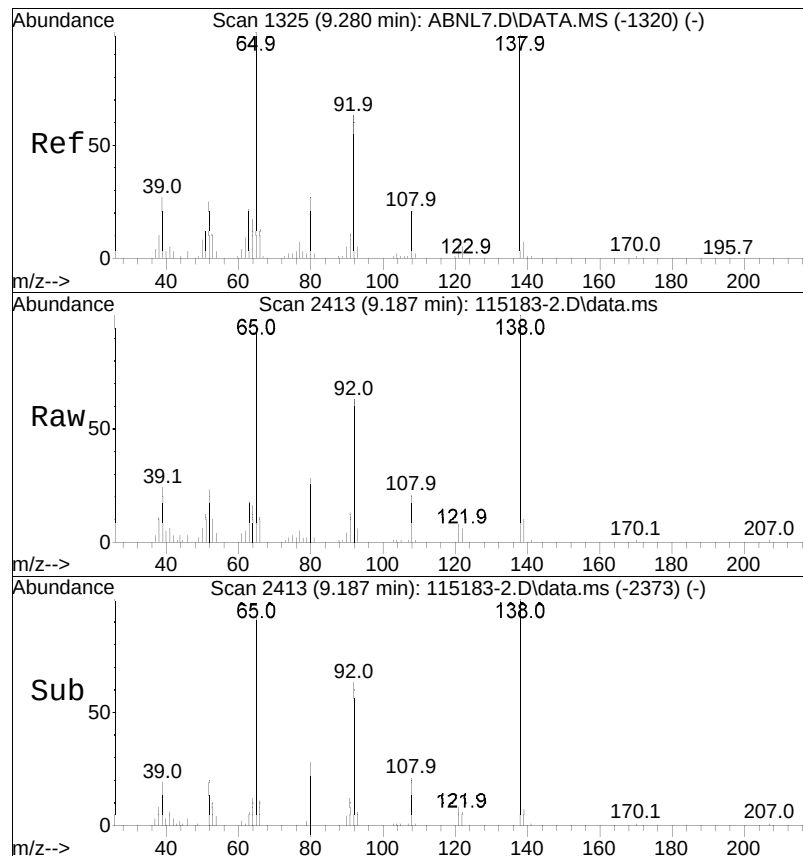




#47
 2-Chloronaphthalene
 Concen: 1.47 ug/ml
 RT: 9.075 min Scan# 2377
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

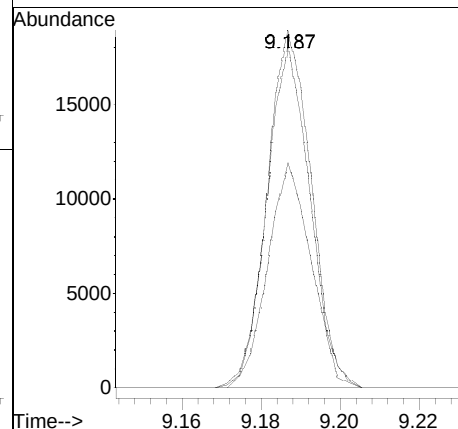
Tgt Ion:	162	Resp:	52219
Ion Ratio	Lower	Upper	
162	100		
127	39.7	32.2	48.4
164	32.6	25.7	38.5

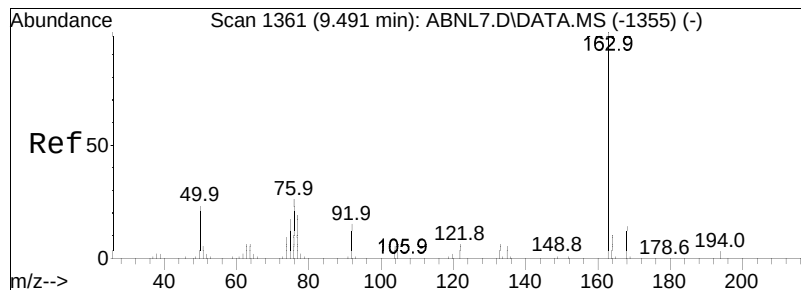




#48
 2-Nitroaniline
 Concen: 1.88 ug/ml
 RT: 9.187 min Scan# 2413
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

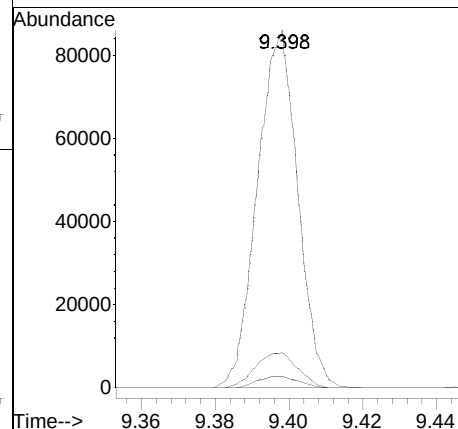
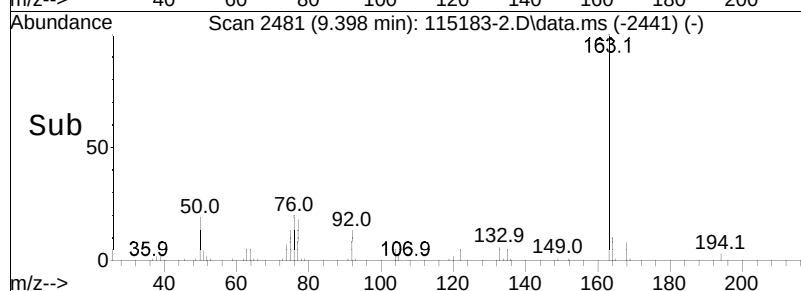
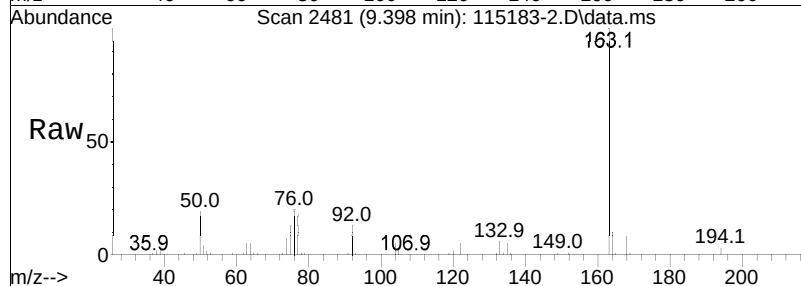
Tgt	Ion:138	Resp:	14485
Ion	Ratio	Lower	Upper
138	100		
92	62.5	53.5	80.3
65	94.0	86.3	129.5

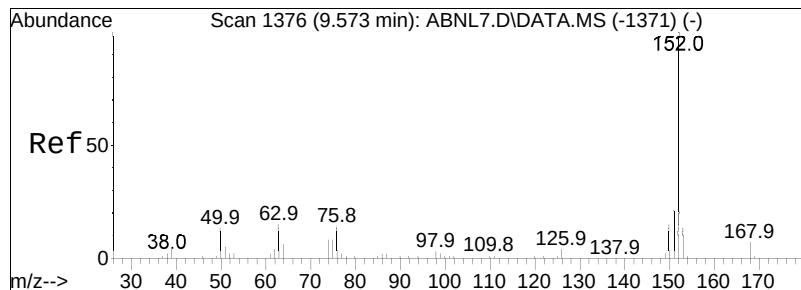




#51
 Dimethyl phthalate
 Concen: 1.73 ug/ml
 RT: 9.398 min Scan# 2481
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.5	5.3#
164	10.4	7.9	11.9





#52

Acenaphthylene

Concen: 1.54 ug/ml

RT: 9.476 min Scan# 2506

Delta R.T. 0.000 min

Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am

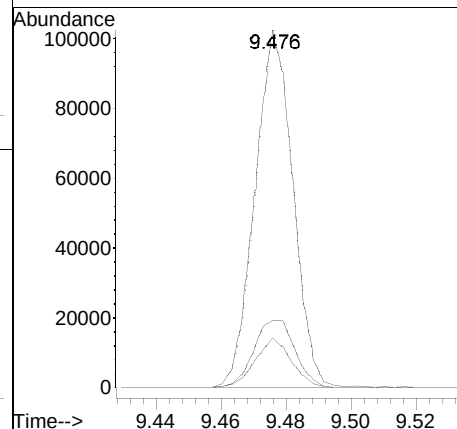
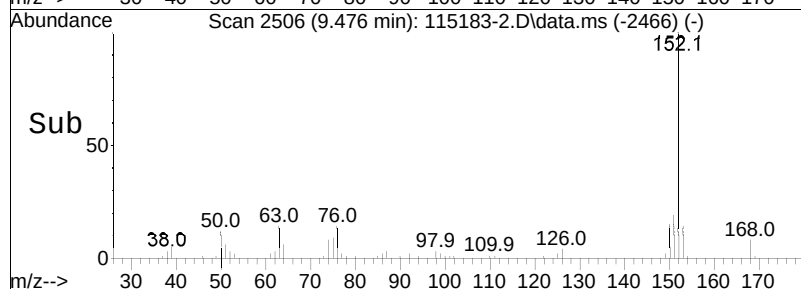
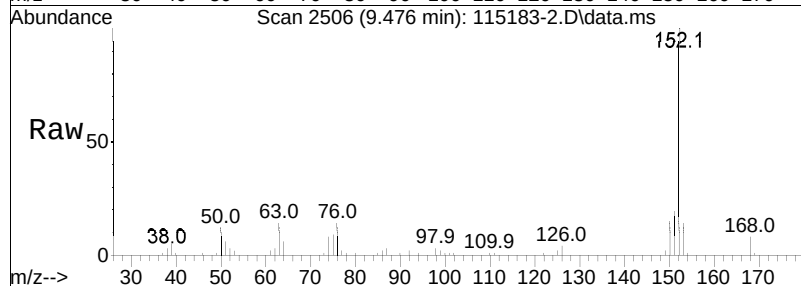
Tgt Ion:152 Resp: 81984

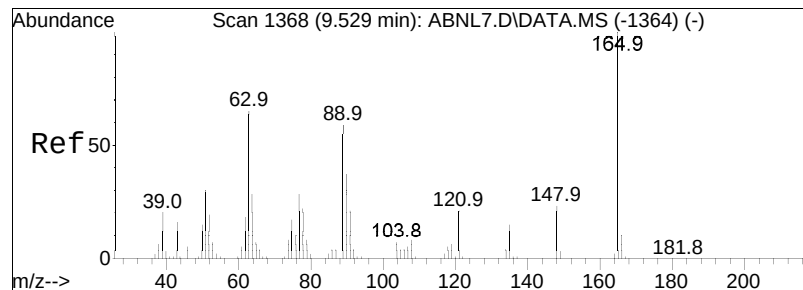
Ion Ratio Lower Upper

152 100

151 20.6 15.8 23.6

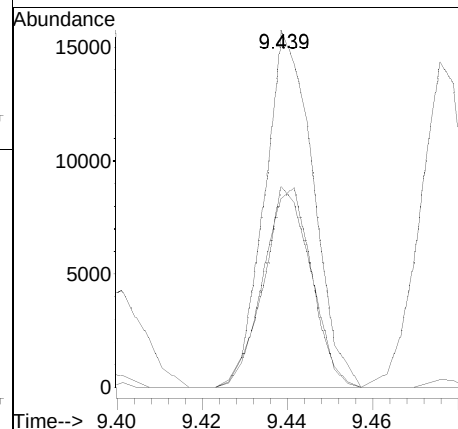
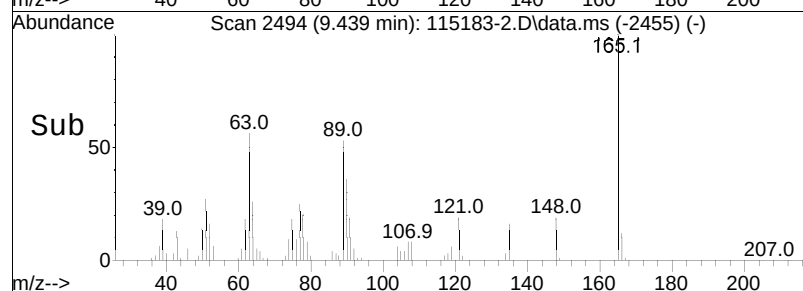
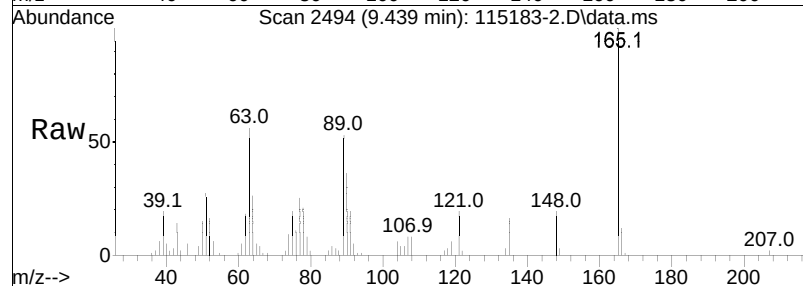
153 13.3 10.5 15.7

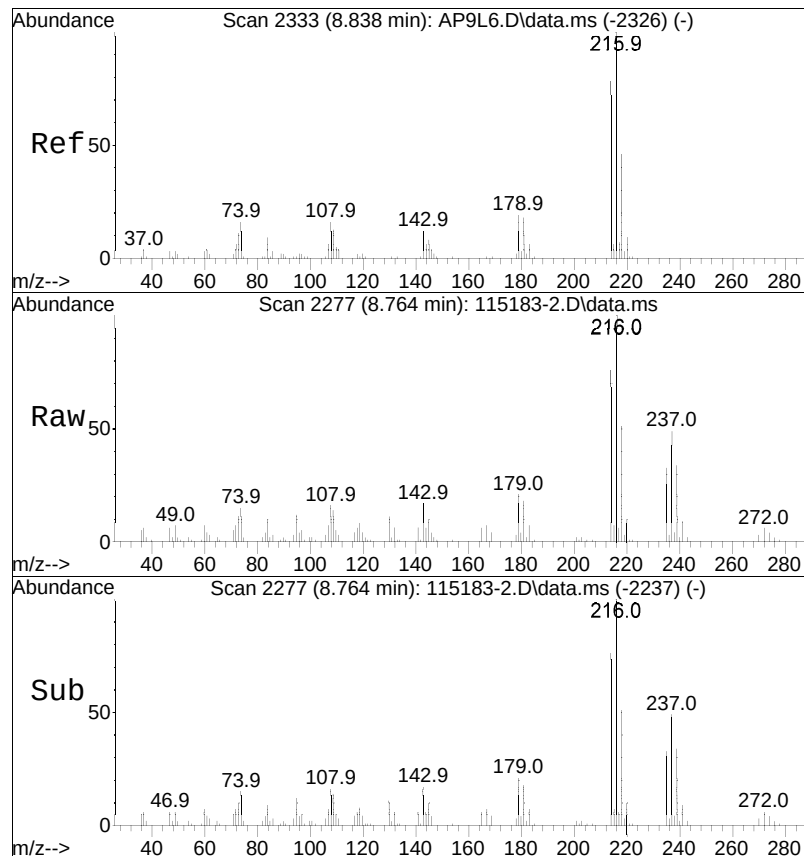




#53
 2,6-Dinitrotoluene
 Concen: 1.96 ug/ml
 RT: 9.439 min Scan# 2494
 Delta R.T. -0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

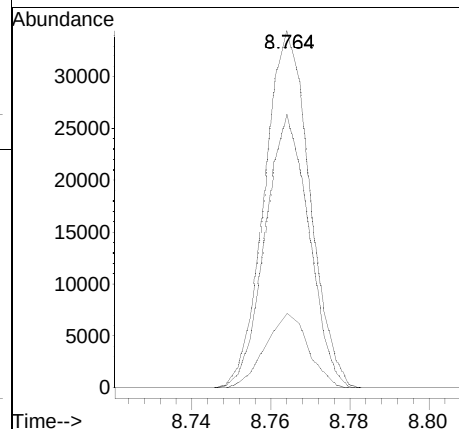
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	12487		
89	56.1		54.2	81.2
63	55.1		64.2	96.2#

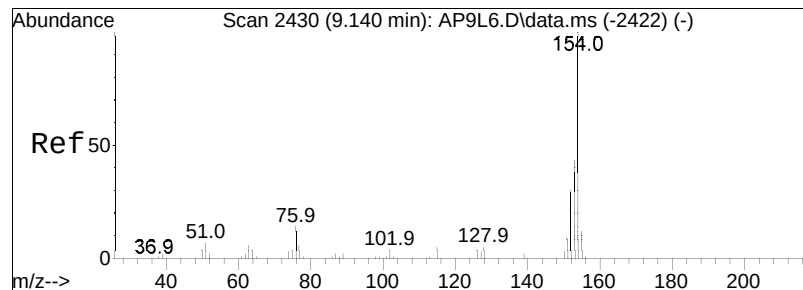




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.35 ug/ml
 RT: 8.764 min Scan# 2277
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

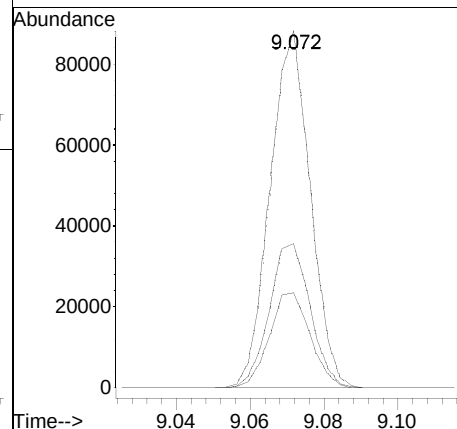
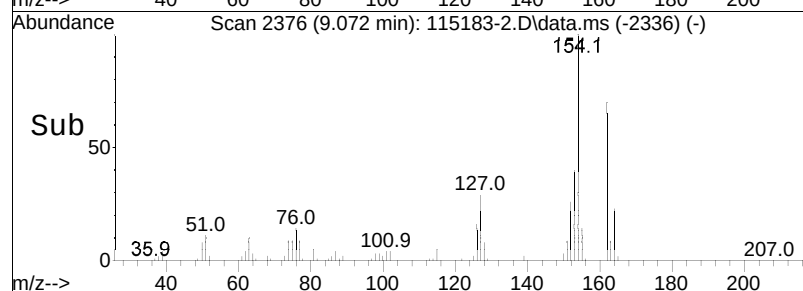
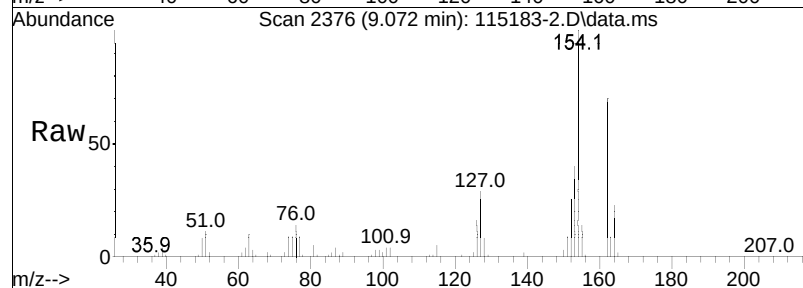
Tgt Ion:	216	Resp:	27224
Ion Ratio	Lower	Upper	
216	100		
214	74.2	63.7	95.5
179	20.0	19.0	28.6

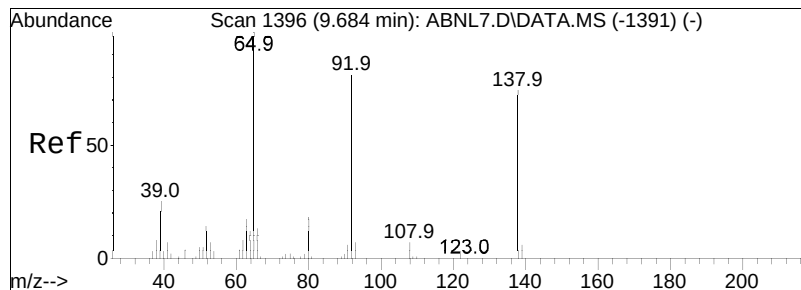




#62
 Biphenyl
 Concen: 1.44 ug/ml
 RT: 9.072 min Scan# 2376
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	32.3	48.5
152	27.3	22.5	33.7





#64

3-Nitroaniline

Concen: 1.64 ug/ml

RT: 9.594 min Scan# 2544

Delta R.T. 0.000 min

Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am

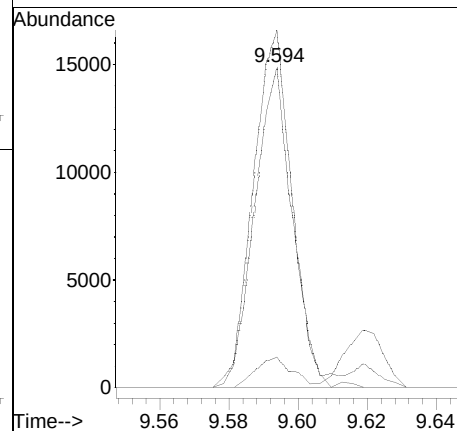
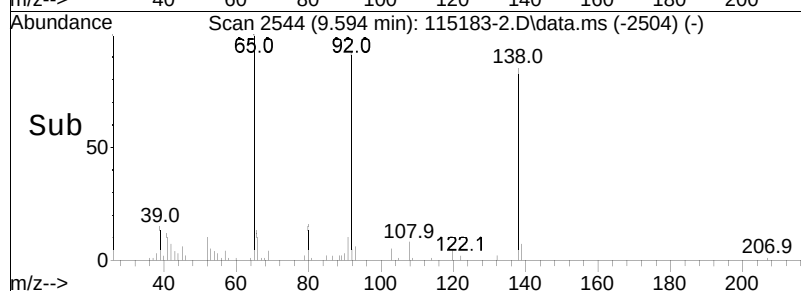
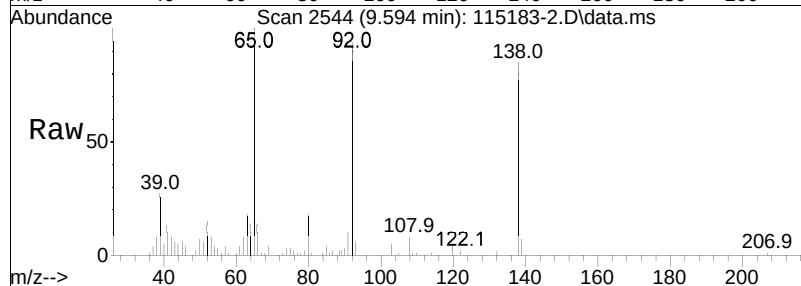
Tgt Ion:138 Resp: 11152

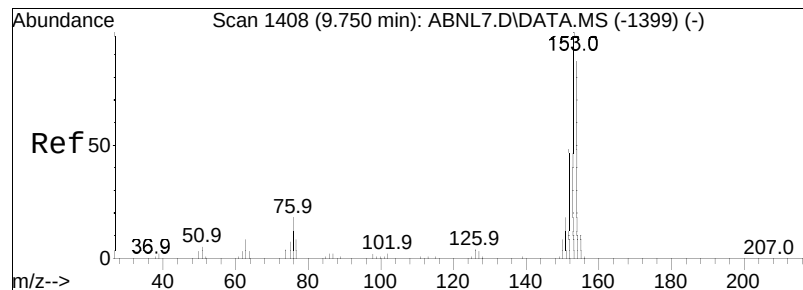
Ion Ratio Lower Upper

138 100

92 115.8 93.4 140.2

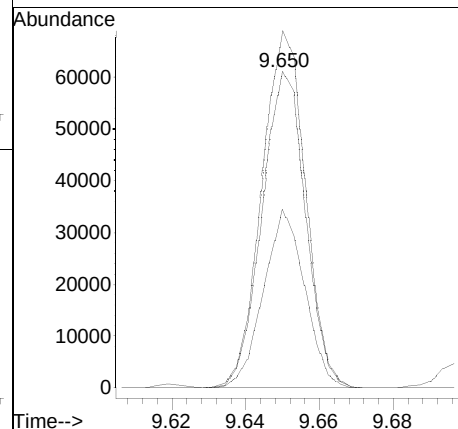
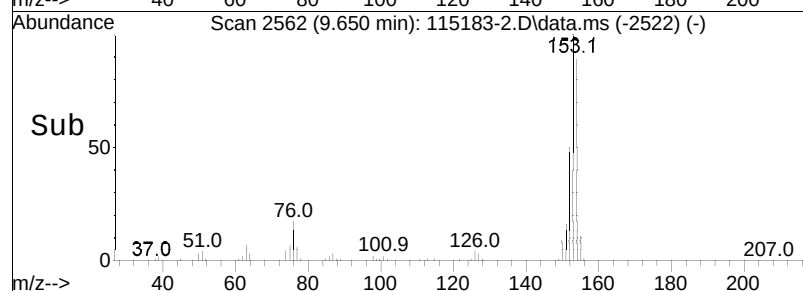
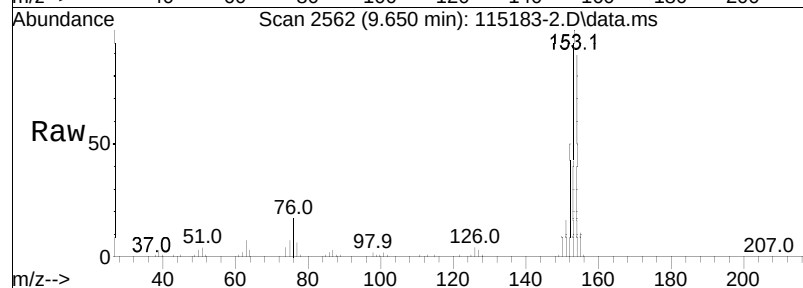
108 9.2 9.5 14.3#

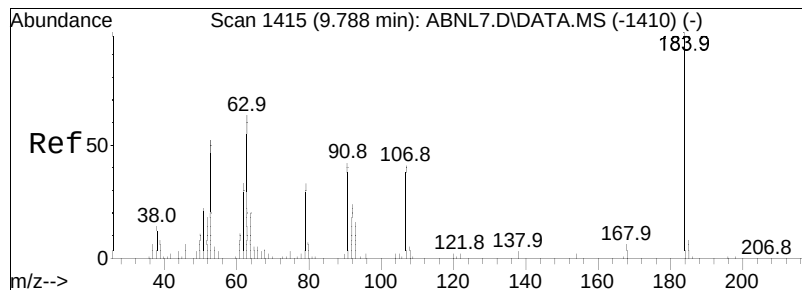




#65
Acenaphthene
Concen: 1.58 ug/ml
RT: 9.650 min Scan# 2562
Delta R.T. 0.000 min
Lab File: 115183-2.D
Acq: 16 Sep 2025 10:23 am

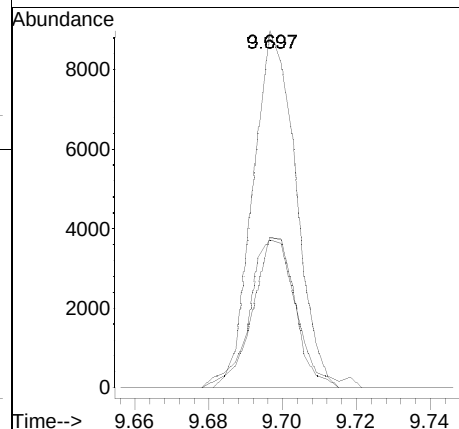
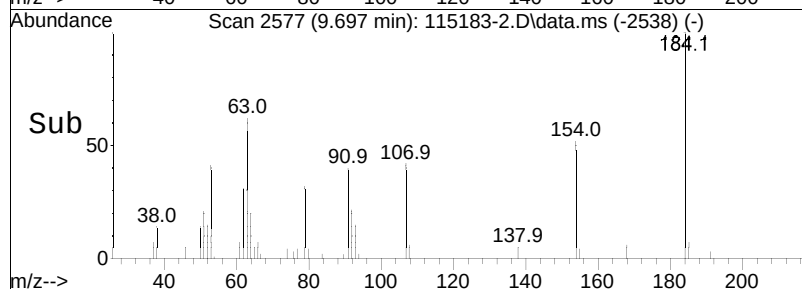
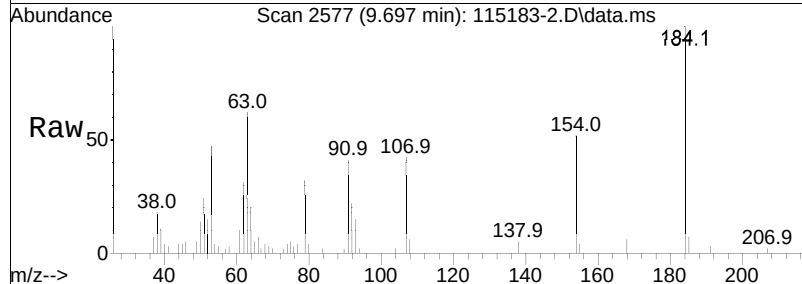
Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.4	85.3	127.9
152	53.6	41.4	62.0

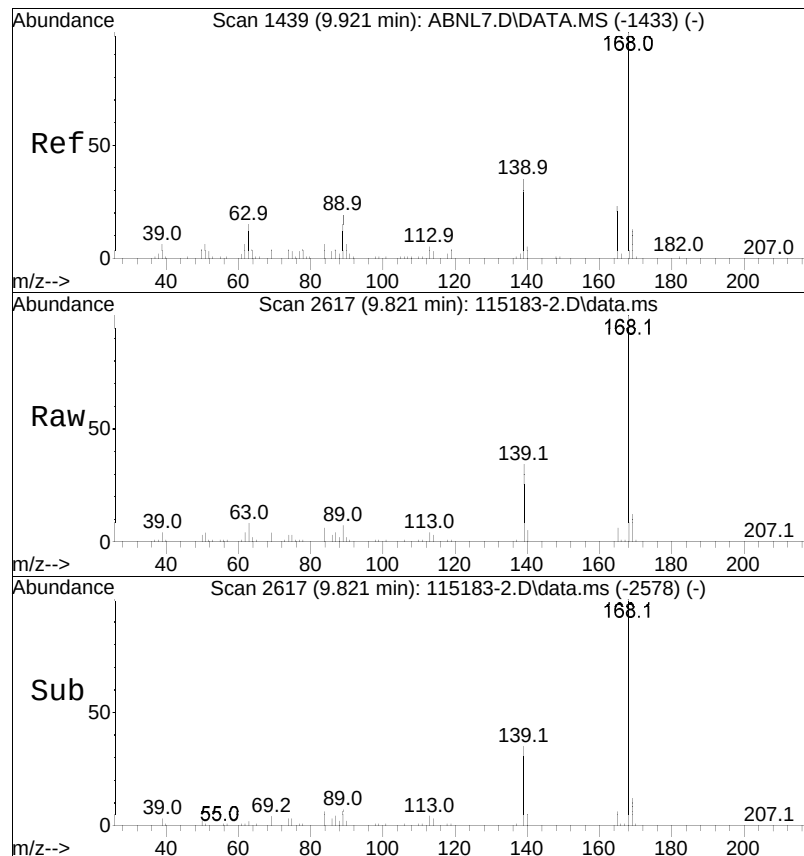




#66
 2,4-Dinitrophenol
 Concen: 2.36 ug/ml
 RT: 9.697 min Scan# 2577
 Delta R.T. -0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

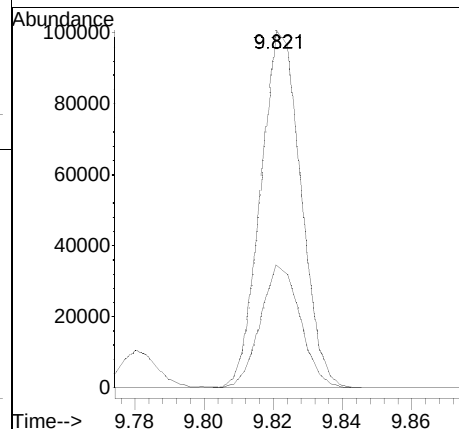
Tgt Ion	Ratio	Lower	Upper
184	100		
107	41.5	37.7	56.5
91	44.7	46.3	69.5#

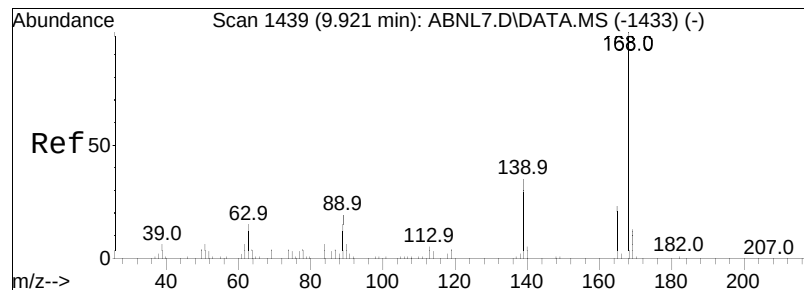




#67
 Dibenzofuran
 Concen: 1.60 ug/ml
 RT: 9.821 min Scan# 2617
 Delta R.T. -0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

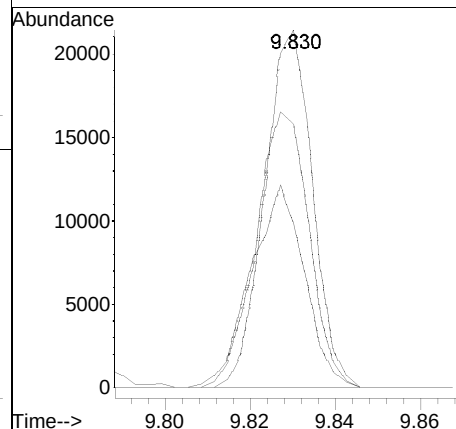
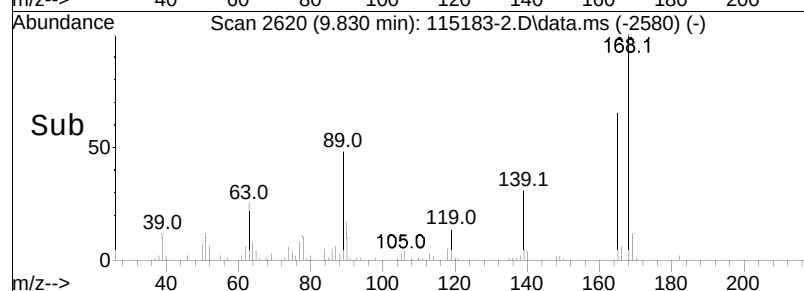
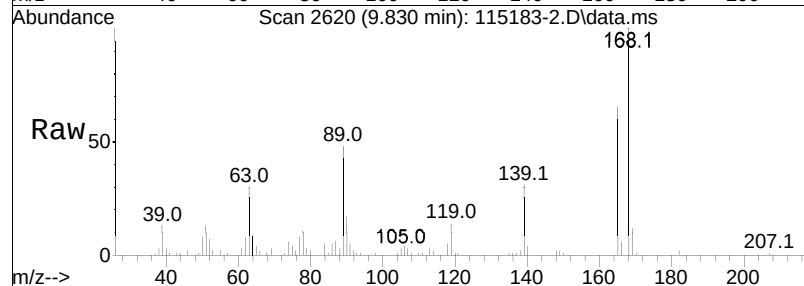
Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.1	31.4	47.2

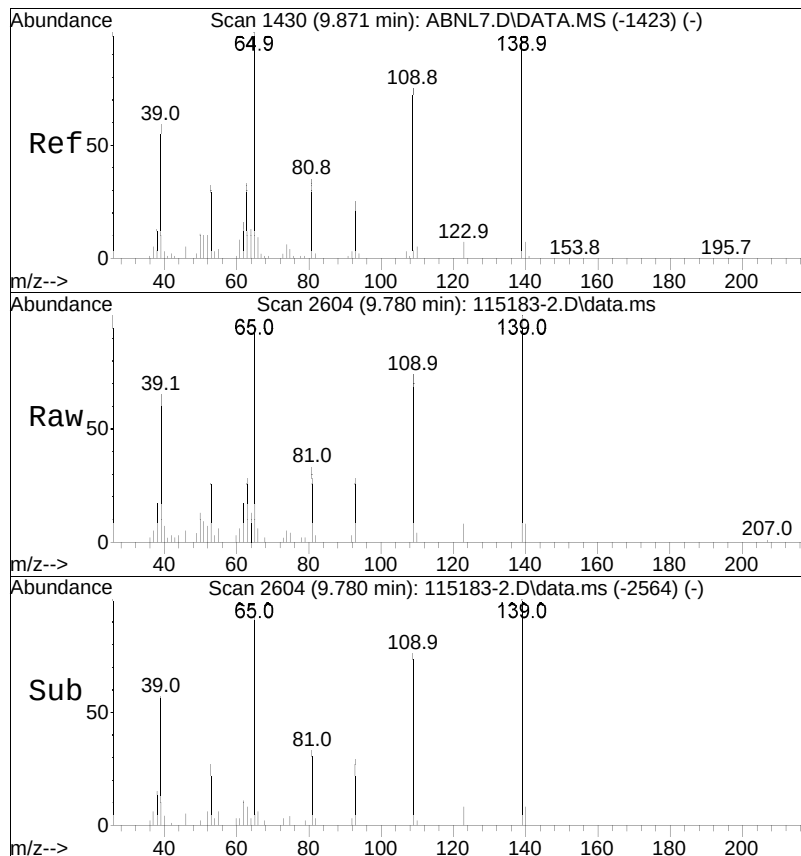




#68
 2,4-Dinitrotoluene
 Concen: 1.88 ug/ml
 RT: 9.830 min Scan# 2620
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

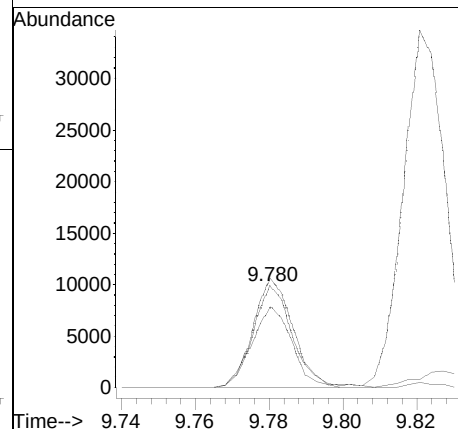
Tgt Ion	Ratio	Lower	Upper
165	100		
89	85.9	72.0	108.0
63	63.7	52.7	79.1

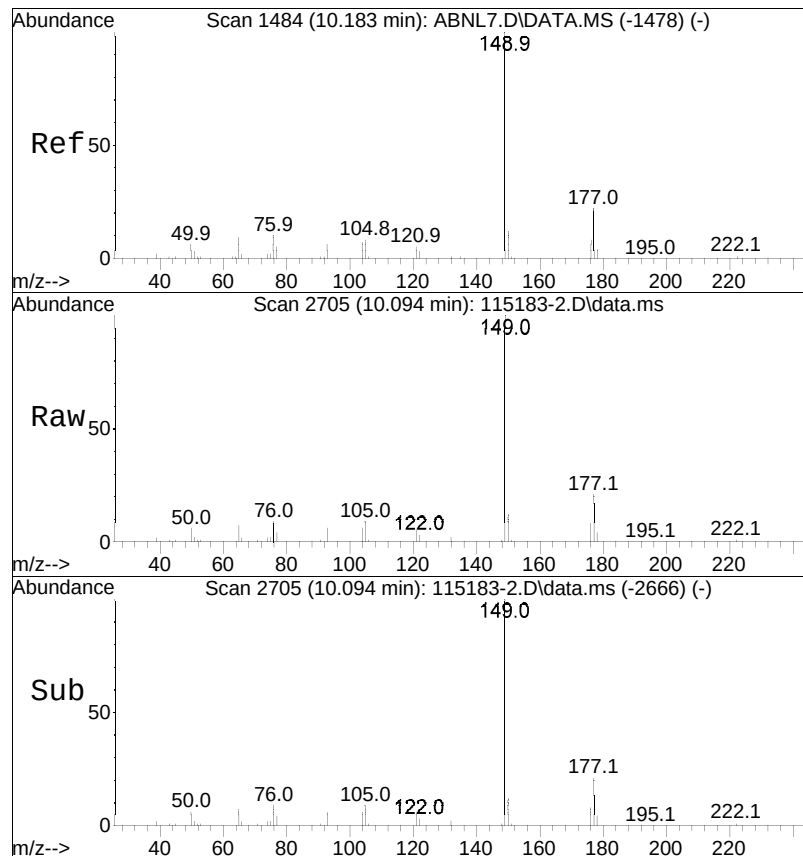




#69
 4-Nitrophenol
 Concen: 1.45 ug/ml
 RT: 9.780 min Scan# 2604
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

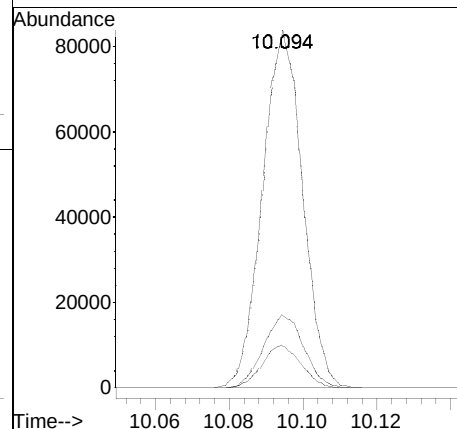
Tgt Ion:	65	Resp:	7398
Ion Ratio	Lower	Upper	
65	100		
109	78.7	47.4	71.2#
139	108.3	76.6	115.0

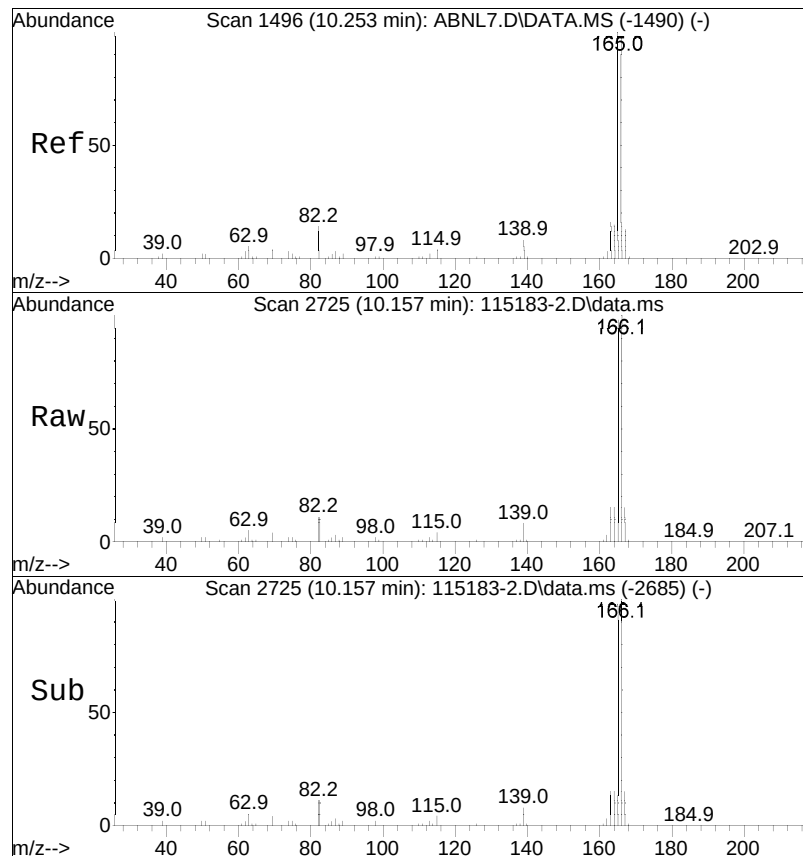




#72
 Diethyl phthalate
 Concen: 1.77 ug/ml
 RT: 10.094 min Scan# 2705
 Delta R.T. -0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

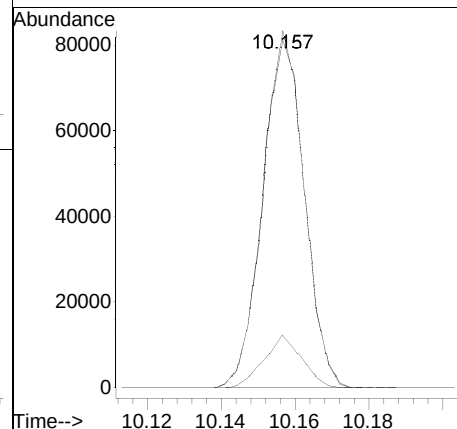
Tgt	Ion	Ratio	Resp	Lower	Upper
149	100		62534		
177	20.6	16.1		24.1	
150	11.8	9.4		14.2	

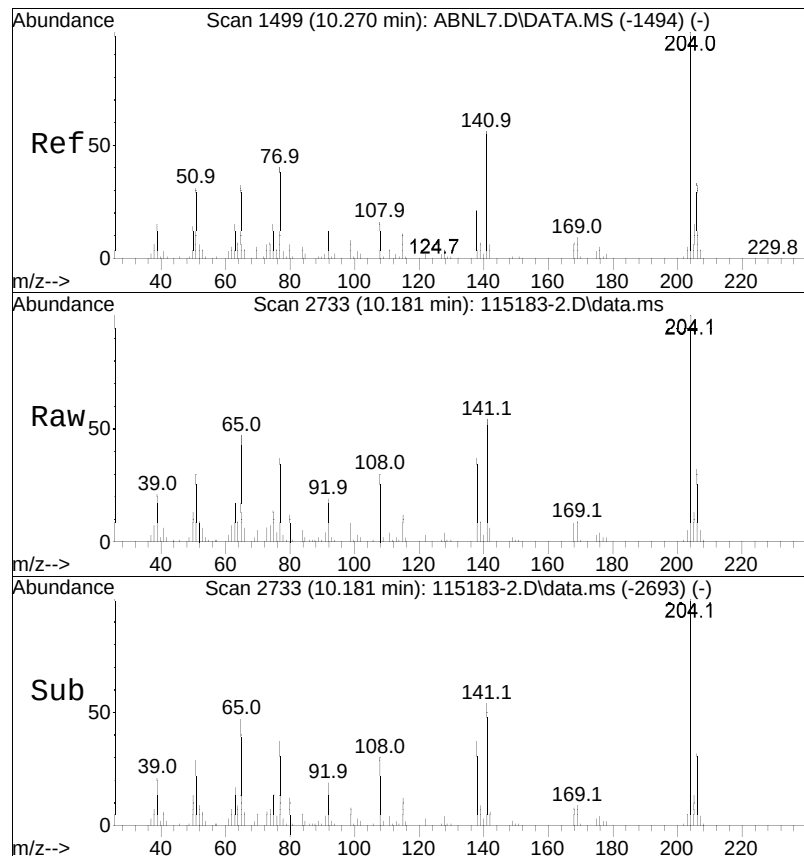




#73
 Fluorene
 Concen: 1.66 ug/ml
 RT: 10.157 min Scan# 2725
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

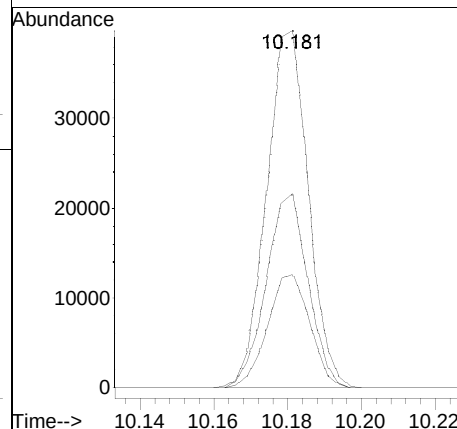
Tgt	Ion:166	Resp:	64332
Ion	Ratio	Lower	Upper
166	100		
165	99.1	76.2	114.2
167	13.7	10.6	15.8

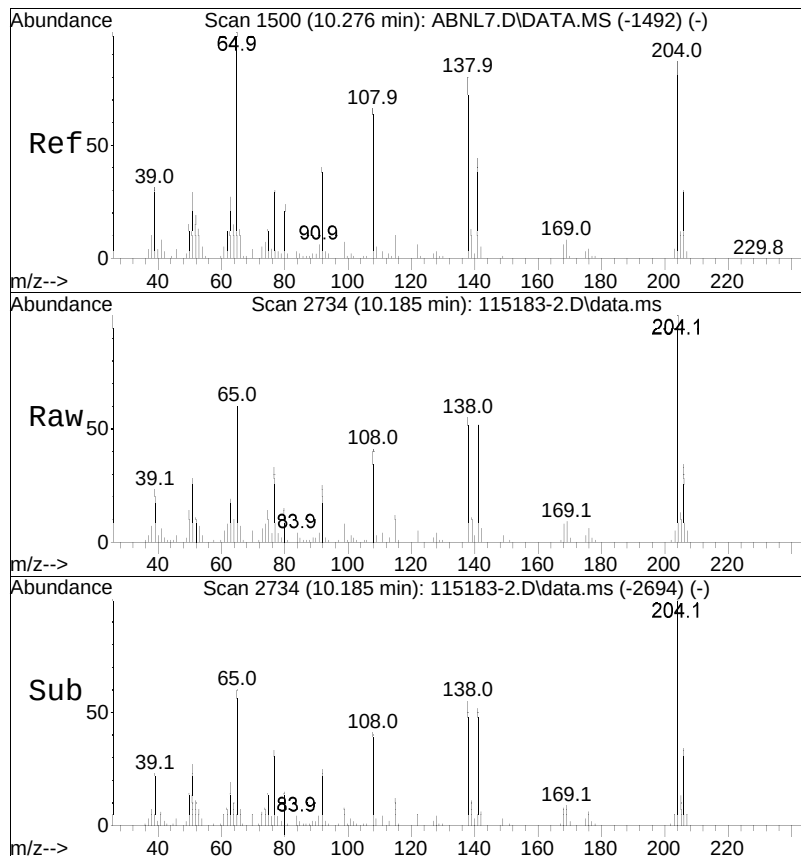




#74
 4-Chlorophenyl phenyl ether
 Concen: 1.57 ug/ml
 RT: 10.181 min Scan# 2733
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

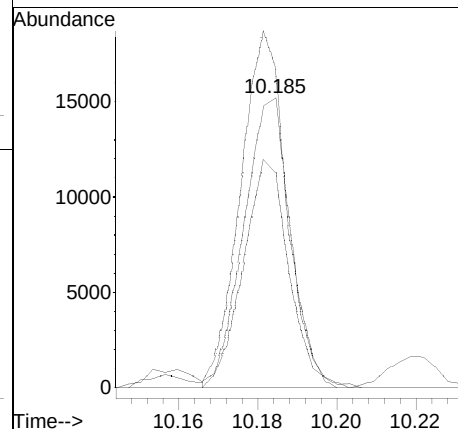
Tgt Ion:	204	Resp:	31085
Ion Ratio	Lower	Upper	
204	100		
206	32.4	25.8	38.6
141	54.6	53.6	80.4

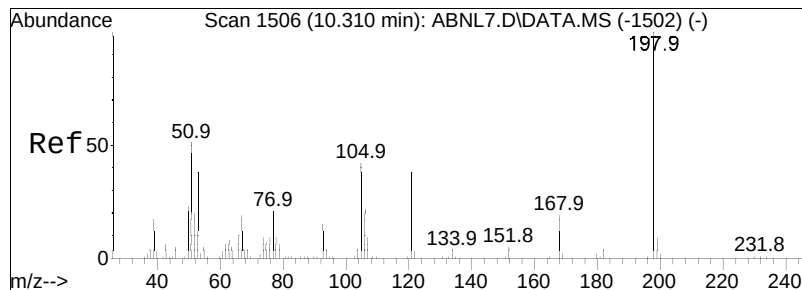




#75
 4-Nitroaniline
 Concen: 1.84 ug/ml
 RT: 10.185 min Scan# 2734
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

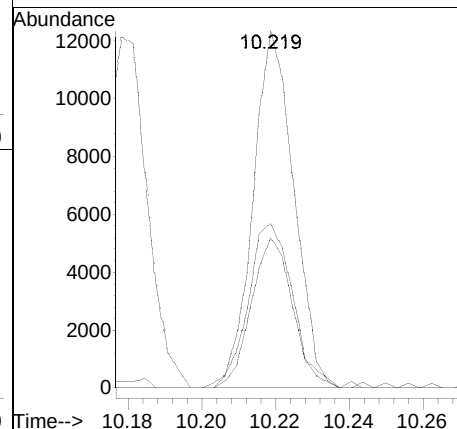
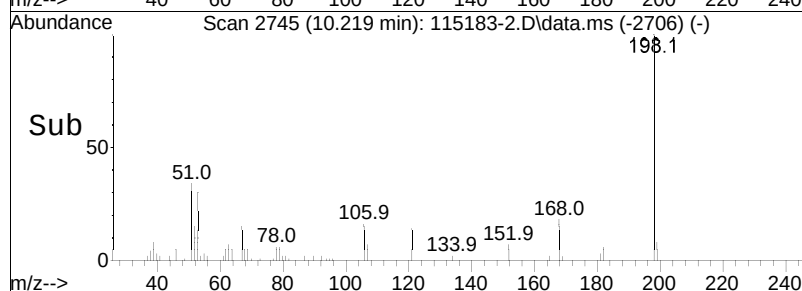
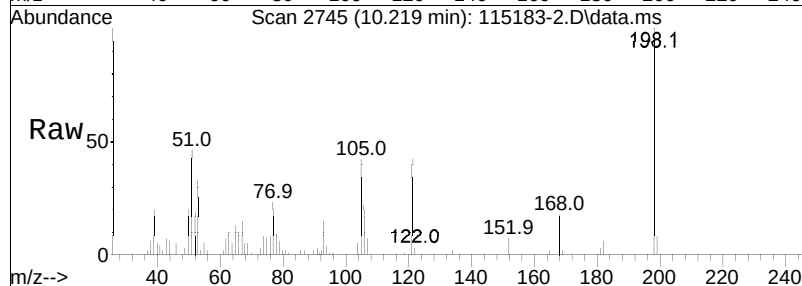
Tgt Ion:	138	Resp:	12442
Ion Ratio	Lower	Upper	
138	100		
108	76.6	52.1	78.1
65	121.0	115.0	172.6

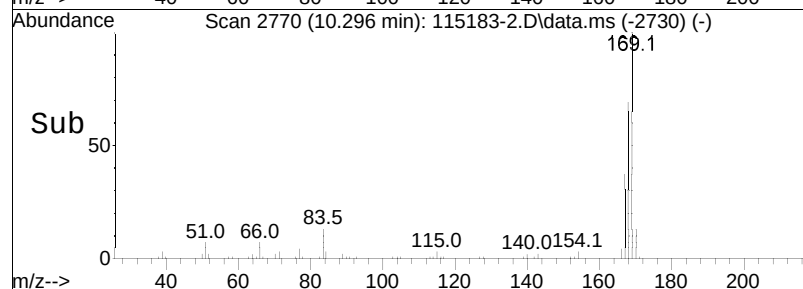
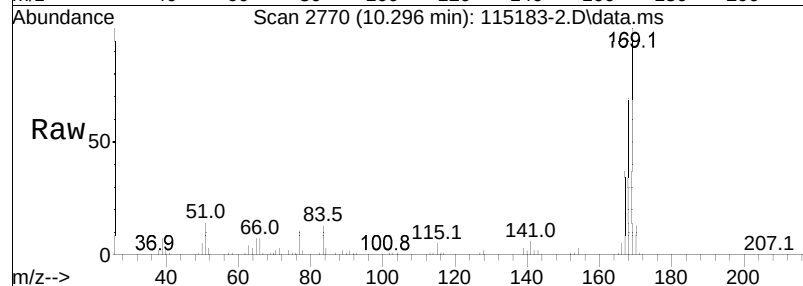
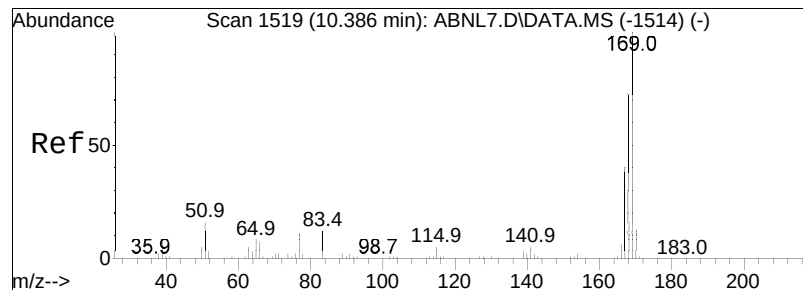




#76
 4,6-Dinitro-o-cresol
 Concen: 2.28 ug/ml
 RT: 10.219 min Scan# 2745
 Delta R.T. -0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

Tgt Ion	Ratio	Lower	Upper
198	100		
51	50.2	76.0	114.0#
105	42.3	45.6	68.4#





#77

NDPA/DPA

Concen: 1.69 ug/ml

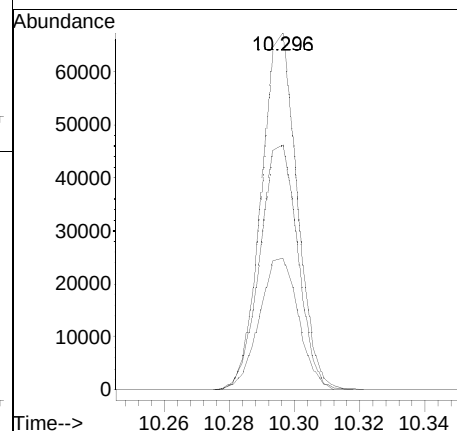
RT: 10.296 min Scan# 2770

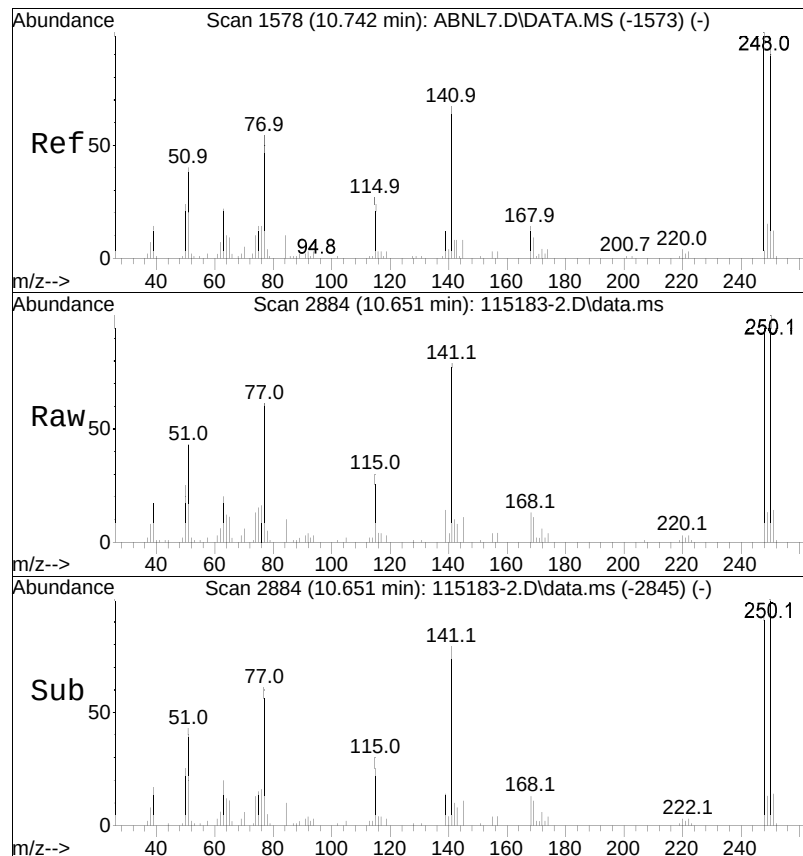
Delta R.T. 0.000 min

Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am

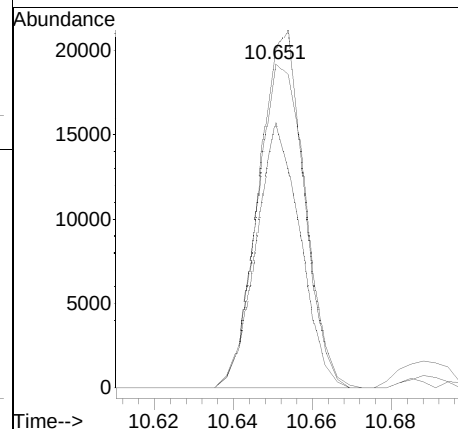
Tgt Ion:	169	Resp:	51670
Ion Ratio	Lower	Upper	
169	100		
168	72.5	54.0	81.0
167	40.4	28.6	42.8

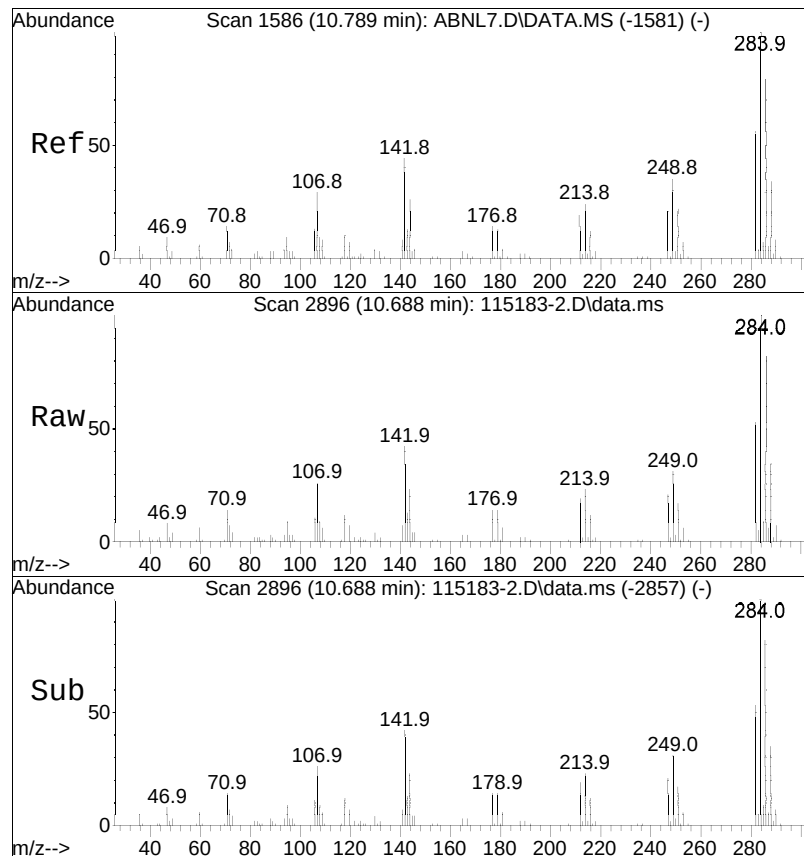




#80
 4-Bromophenyl phenyl ether
 Concen: 1.54 ug/ml
 RT: 10.651 min Scan# 2884
 Delta R.T. -0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

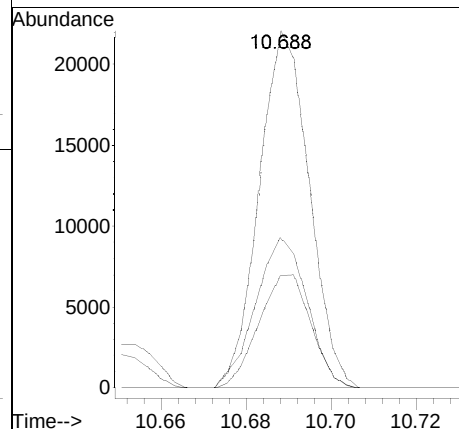
Tgt Ion:	248	Resp:	16276
Ion Ratio	Lower	Upper	
248	100		
141	74.2	76.6	114.8#
250	102.2	77.3	115.9

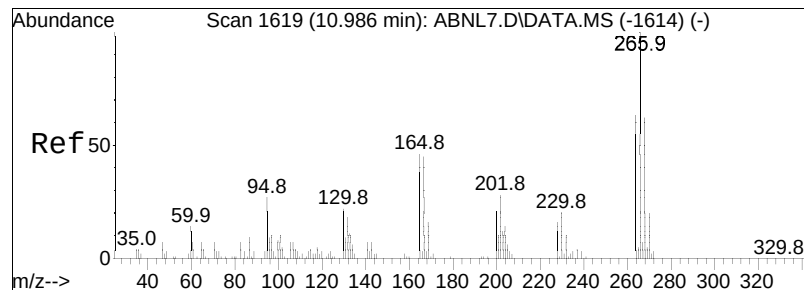




#81
 Hexachlorobenzene
 Concen: 1.63 ug/ml
 RT: 10.688 min Scan# 2896
 Delta R.T. -0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

Tgt Ion:	284	Resp:	17983
Ion Ratio	Lower	Upper	
284	100		
142	43.6	41.9	62.9
249	33.2	24.1	36.1





#82

Pentachlorophenol

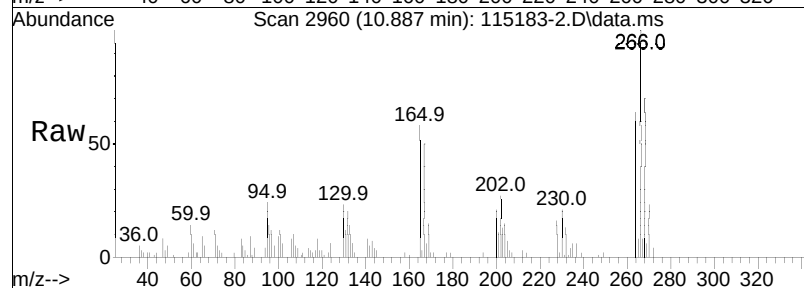
Concen: 1.90 ug/ml

RT: 10.887 min Scan# 2960

Delta R.T. 0.000 min

Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am



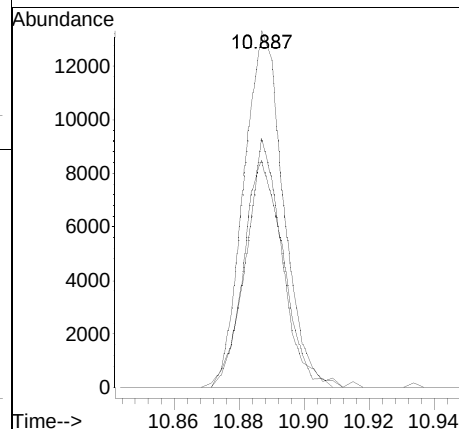
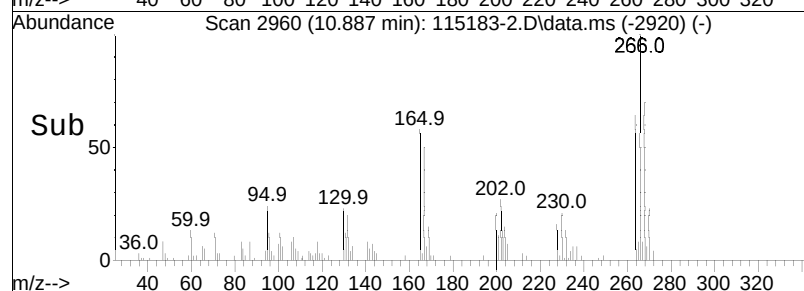
Tgt Ion: 266 Resp: 11320

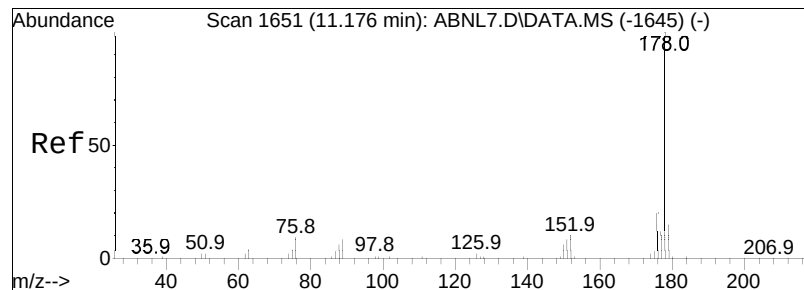
Ion Ratio Lower Upper

266 100

264 64.1 49.7 74.5

268 63.1 50.5 75.7





#89

Phenanthrene

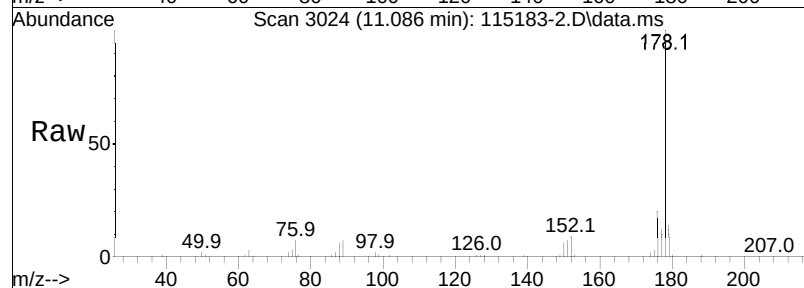
Concen: 1.57 ug/ml

RT: 11.086 min Scan# 3024

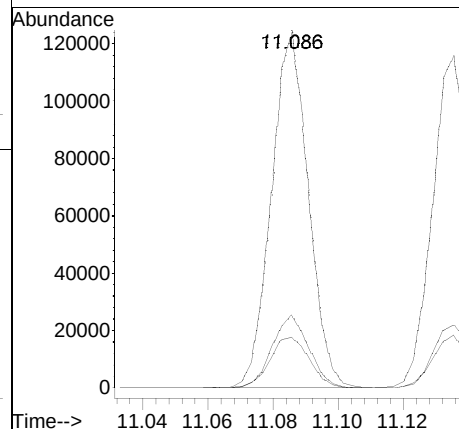
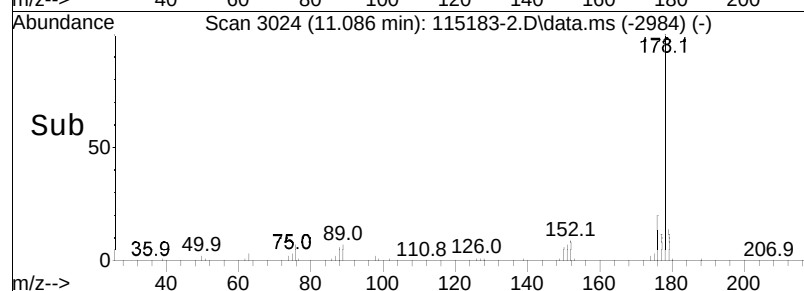
Delta R.T. 0.000 min

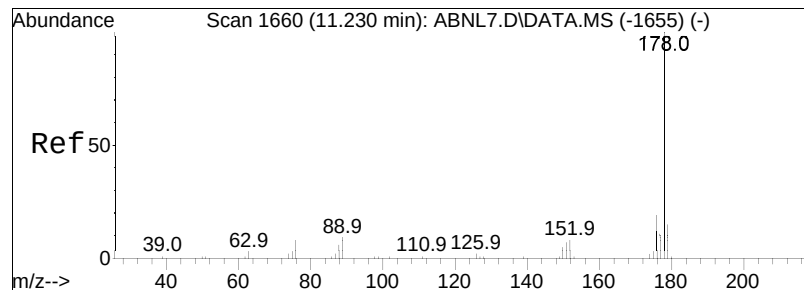
Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am



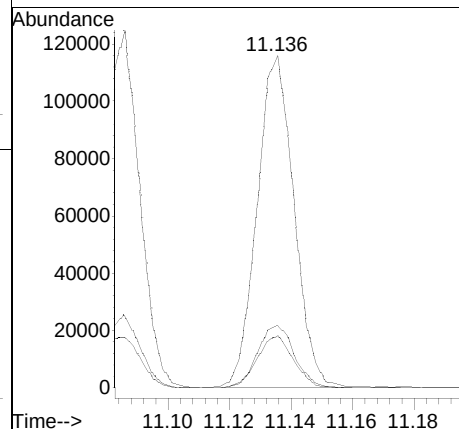
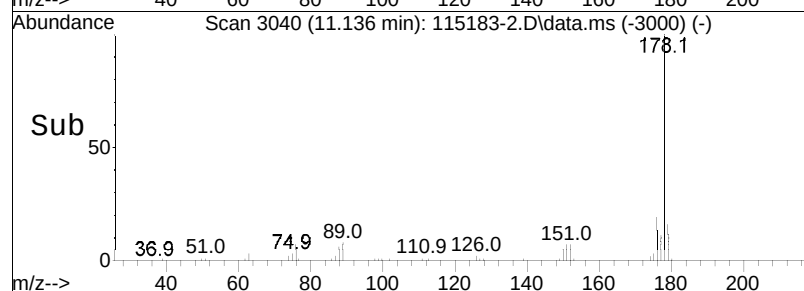
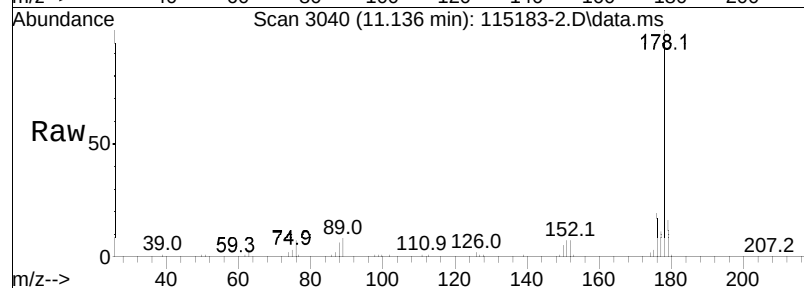
Tgt Ion:	178	Resp:	97811
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.2	18.2
176	20.3	15.4	23.2

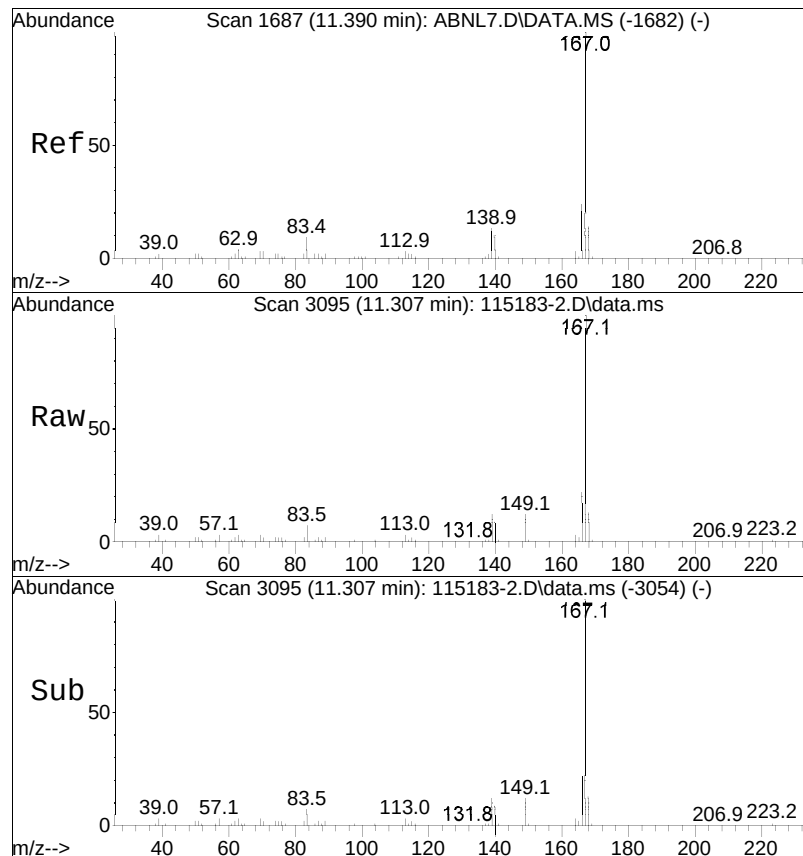




#90
 Anthracene
 Concen: 1.58 ug/ml
 RT: 11.136 min Scan# 3040
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

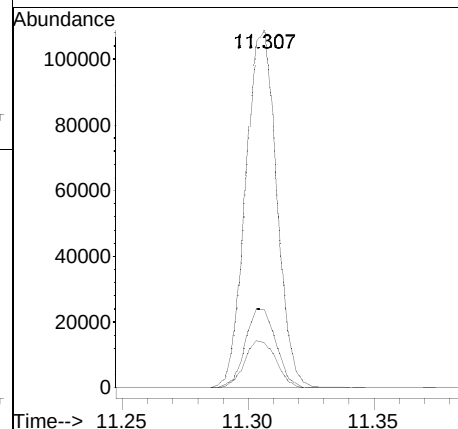
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.0	18.0
176	18.9	14.6	22.0

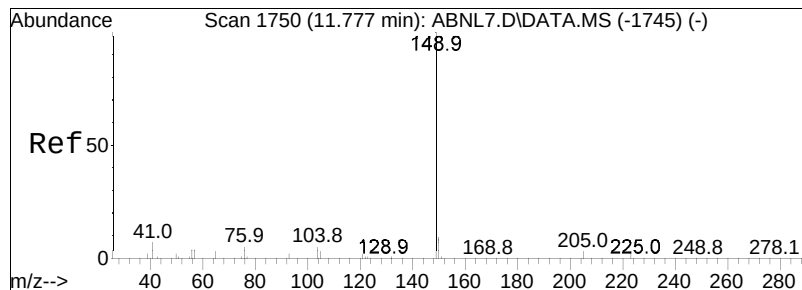




#91
 Carbazole
 Concen: 1.75 ug/ml
 RT: 11.307 min Scan# 3095
 Delta R.T. 0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

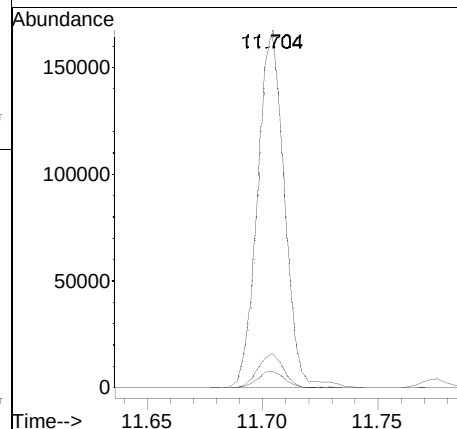
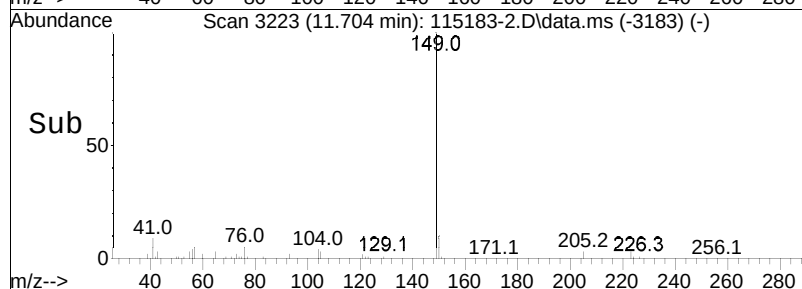
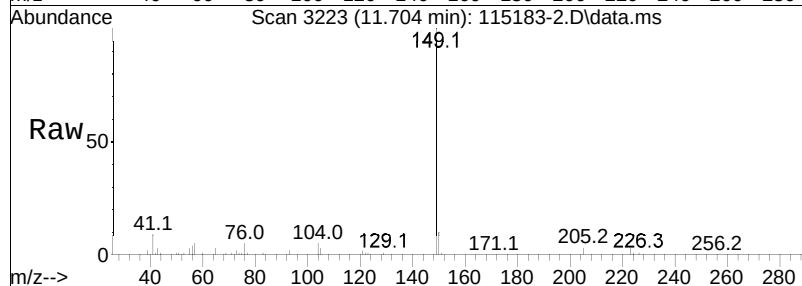
Tgt Ion:	167	Resp:	92667
Ion Ratio	Lower	Upper	
167	100		
168	13.4	10.6	15.8
166	22.0	17.4	26.0

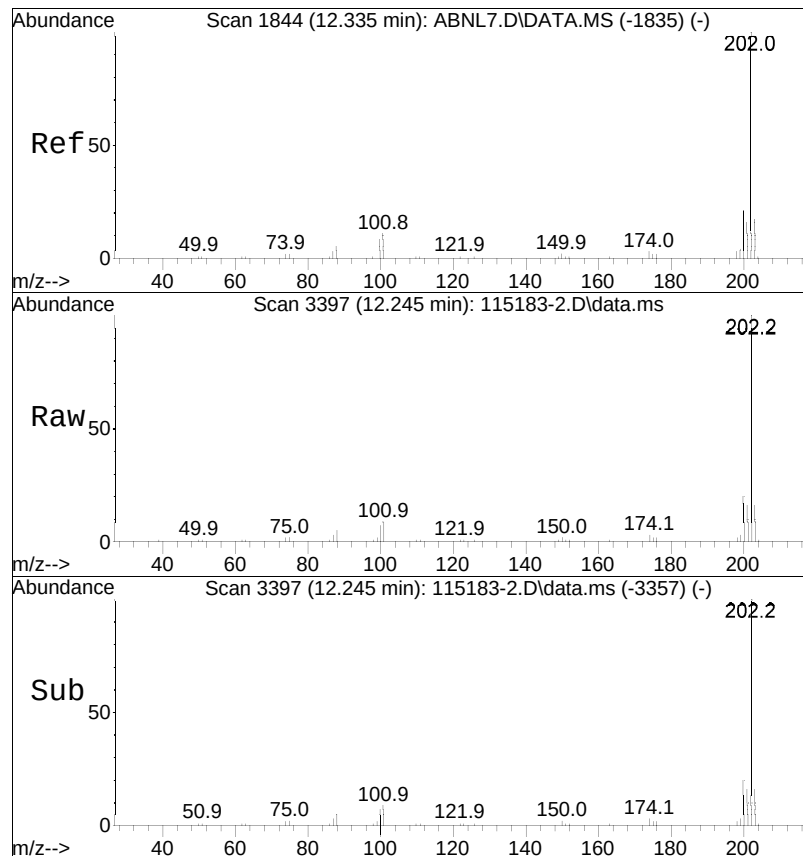




#92
 Di-n-butylphthalate
 Concen: 2.29 ug/ml
 RT: 11.704 min Scan# 3223
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

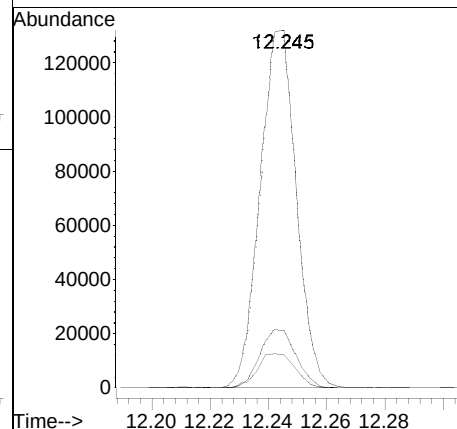
Tgt	Ion	Ratio	Resp	Lower	Upper
149	100		133519		
150	9.2	7.0	10.6		
104	4.8	4.5	6.7		

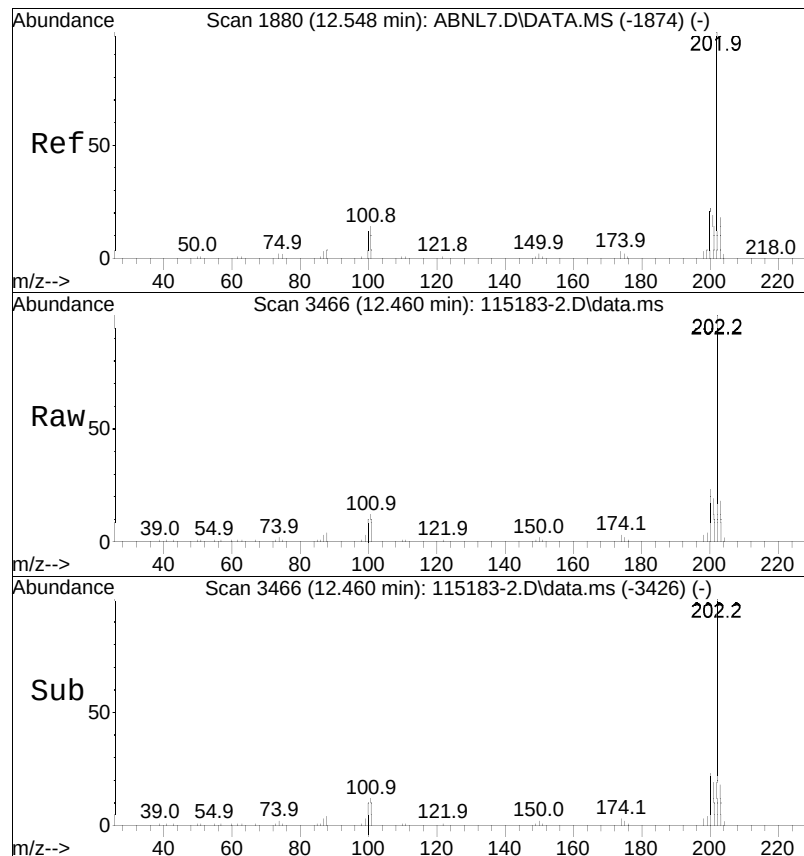




#93
 Fluoranthene
 Concen: 1.70 ug/ml
 RT: 12.245 min Scan# 3397
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

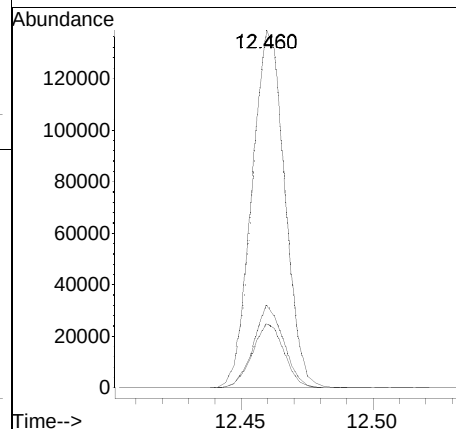
Tgt	Ion:202	Resp:	112759
Ion	Ratio	Lower	Upper
202	100		
101	10.0	13.5	20.3#
203	16.5	13.6	20.4

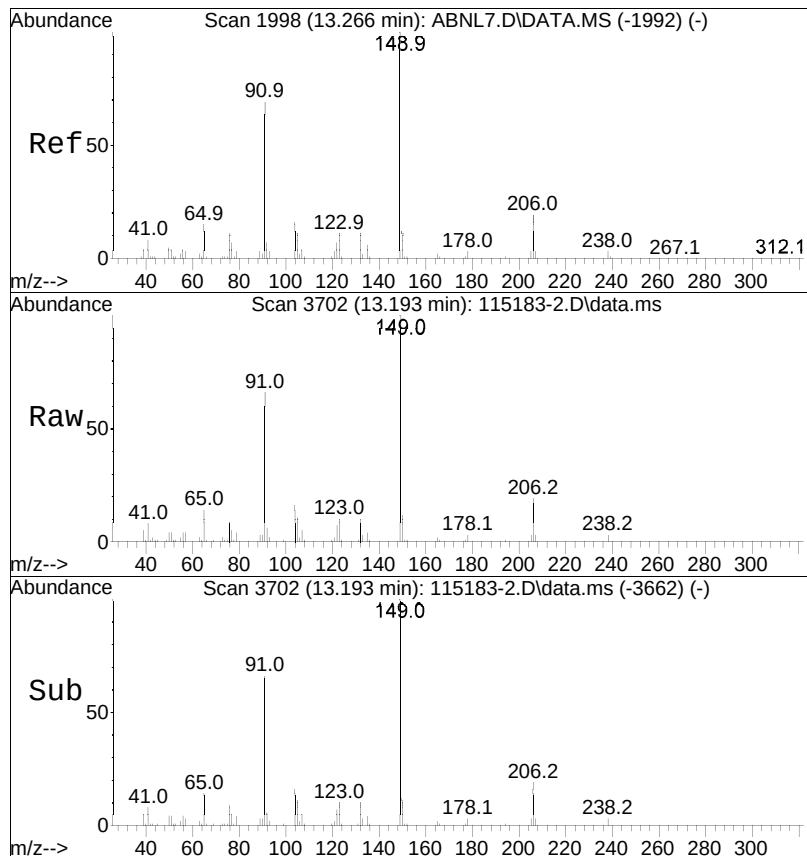




#95
 Pyrene
 Concen: 1.69 ug/ml
 RT: 12.460 min Scan# 3466
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

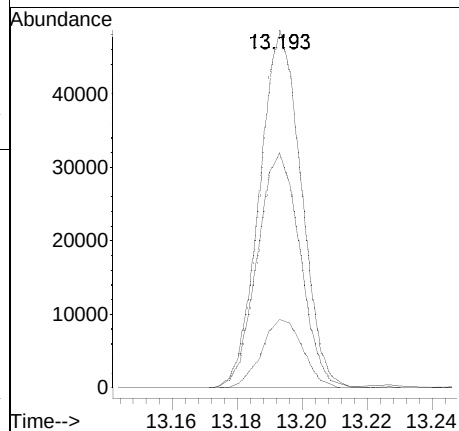
Tgt Ion:	202	Resp:	119165
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.7	25.1
203	17.4	14.2	21.4

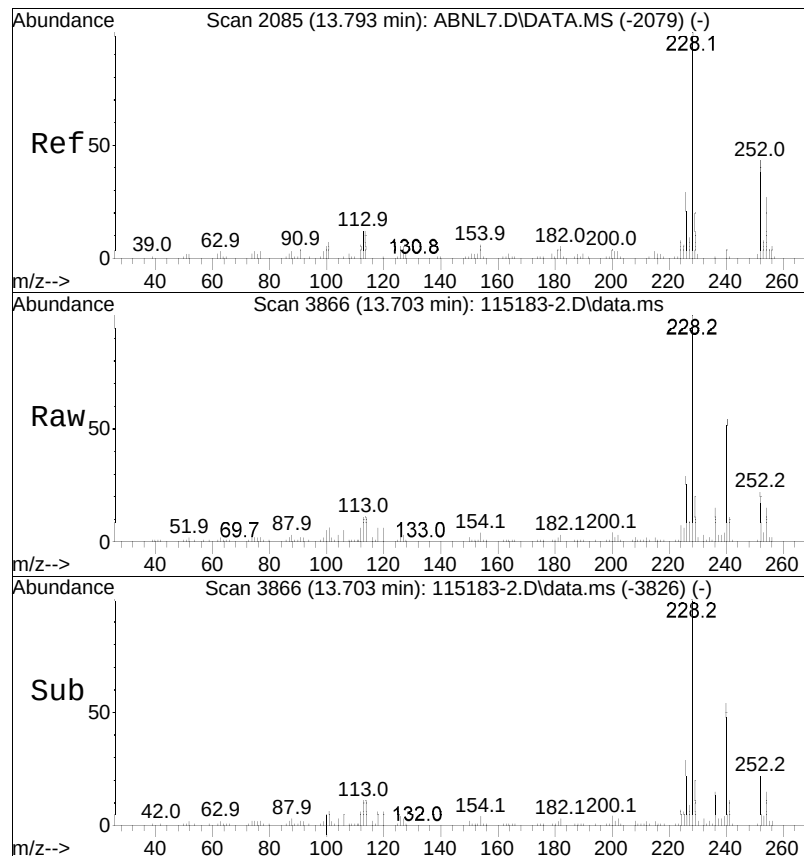




#97
 Butyl benzyl phthalate
 Concen: 1.92 ug/ml
 RT: 13.193 min Scan# 3702
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

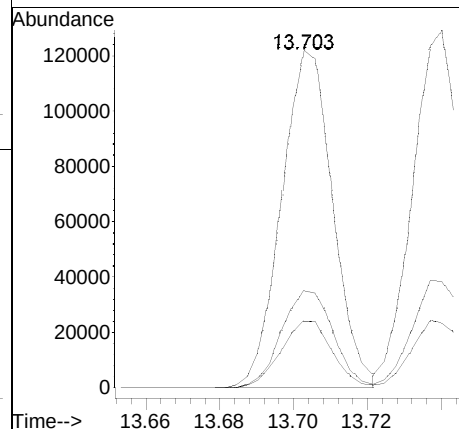
Tgt Ion:	149	Resp:	42991
Ion Ratio	Lower	Upper	
149	100		
91	67.7	63.3	94.9
206	19.0	13.9	20.9

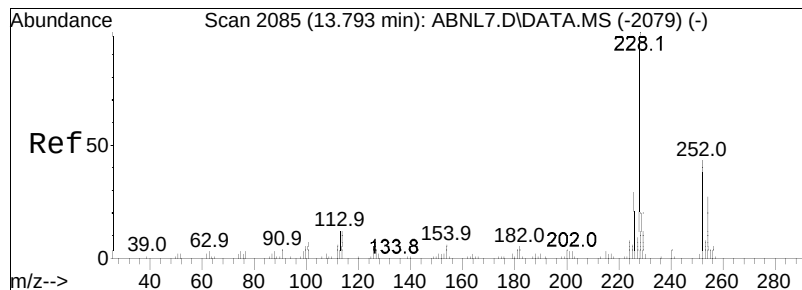




#105
 Benzo(a)anthracene
 Concen: 1.61 ug/ml
 RT: 13.703 min Scan# 3866
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

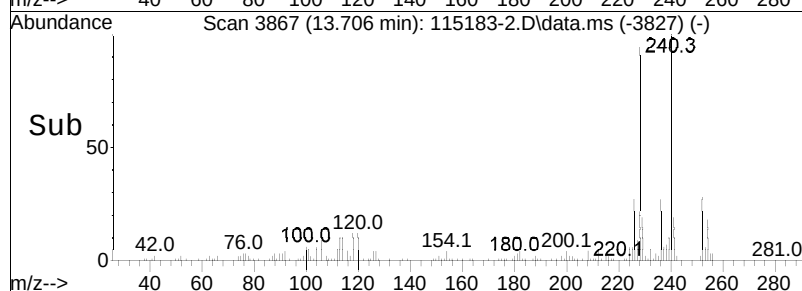
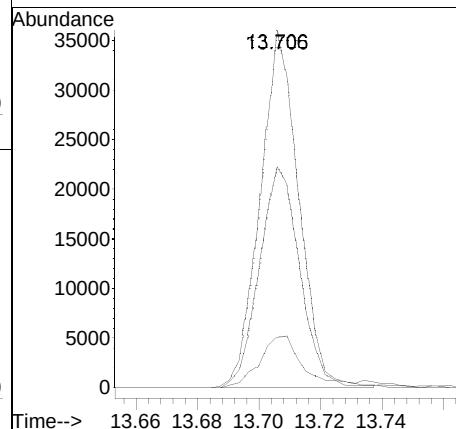
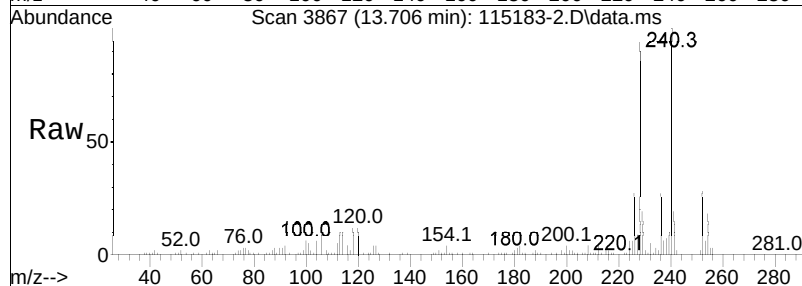
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.2	33.4
229	19.9	15.6	23.4

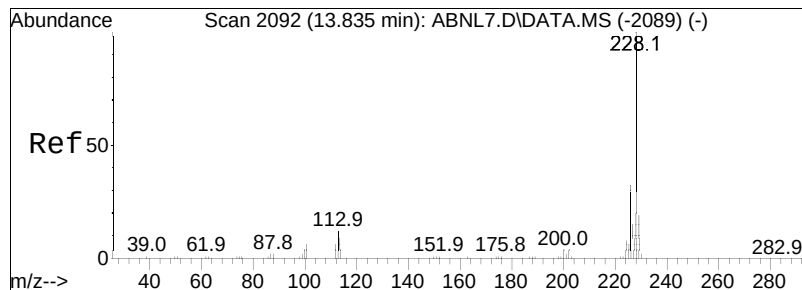




#106
 3,3'-Dichlorobenzidine
 Concen: 1.34 ug/ml
 RT: 13.706 min Scan# 3867
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

Tgt Ion	Ratio	Lower	Upper
252	100		
126	16.6	14.5	21.7
254	64.7	51.2	76.8





#107

Chrysene

Concen: 1.67 ug/ml

RT: 13.740 min Scan# 3878

Delta R.T. 0.000 min

Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am

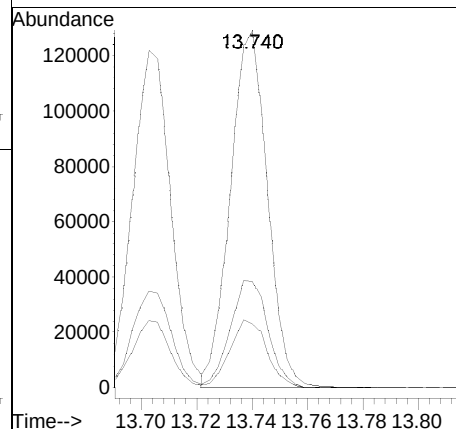
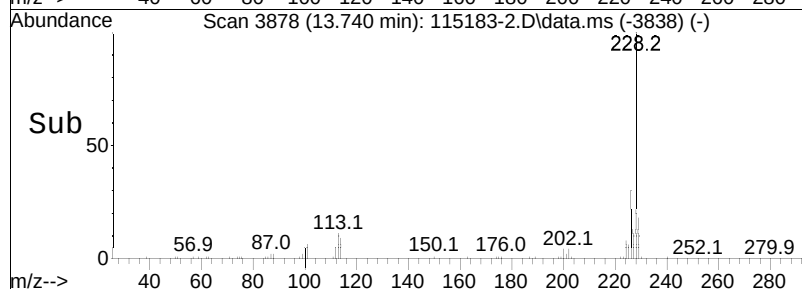
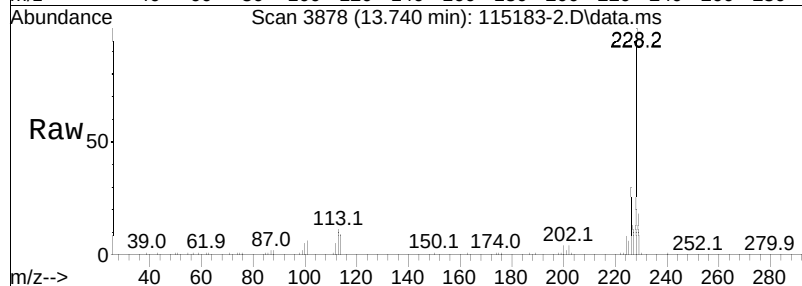
Tgt Ion:228 Resp: 119946

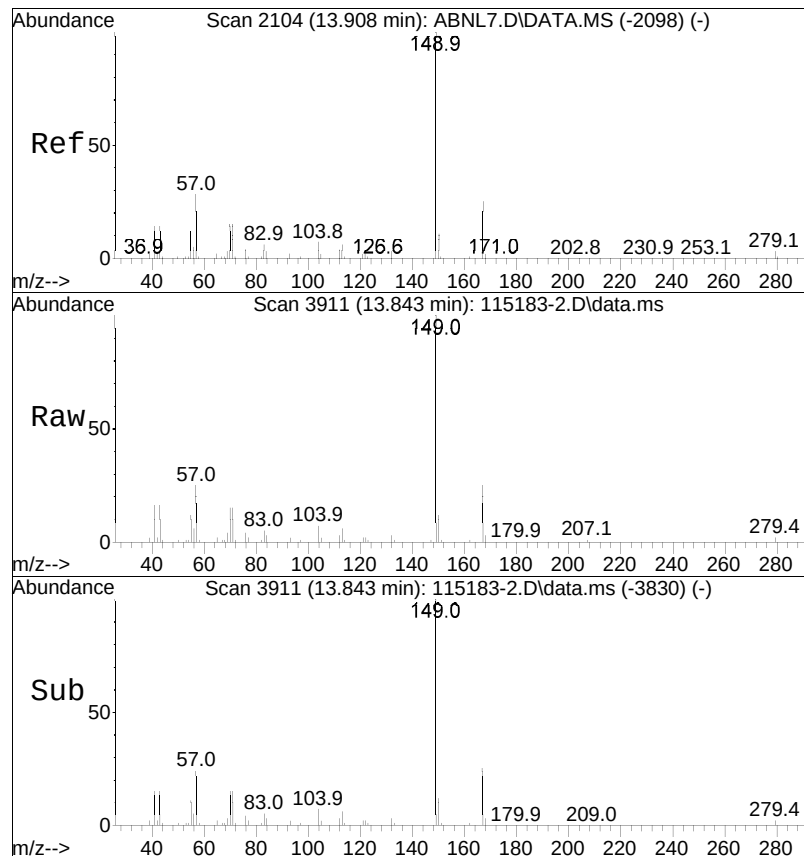
Ion Ratio Lower Upper

228 100

226 30.8 24.0 36.0

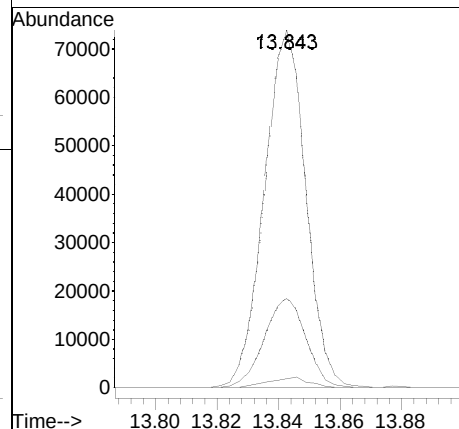
229 19.1 15.8 23.8

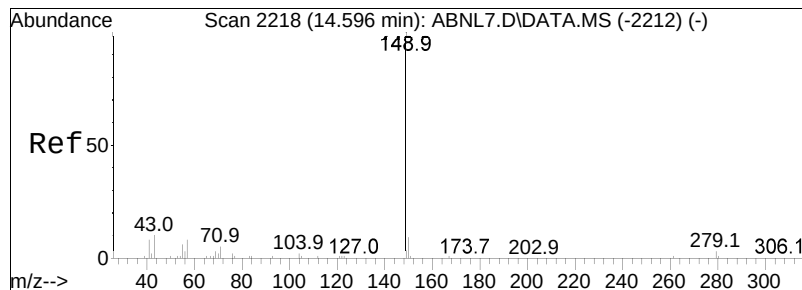




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 1.64 ug/ml
 RT: 13.843 min Scan# 3911
 Delta R.T. 0.003 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

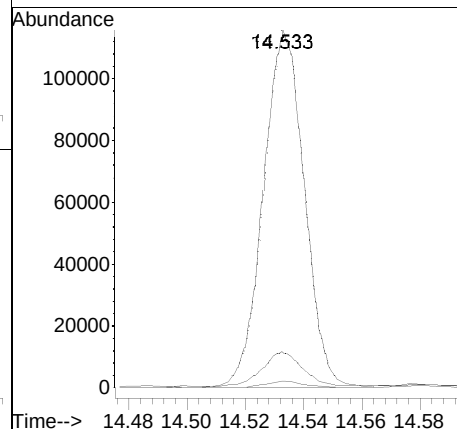
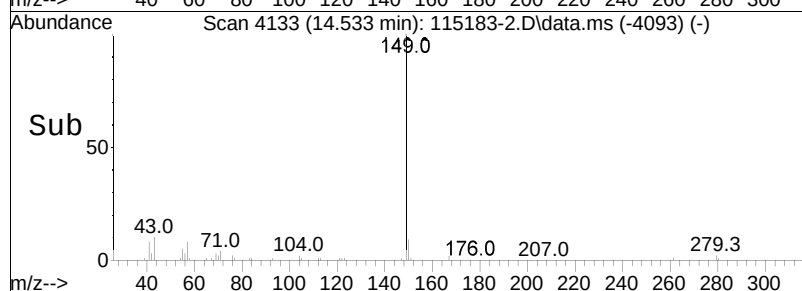
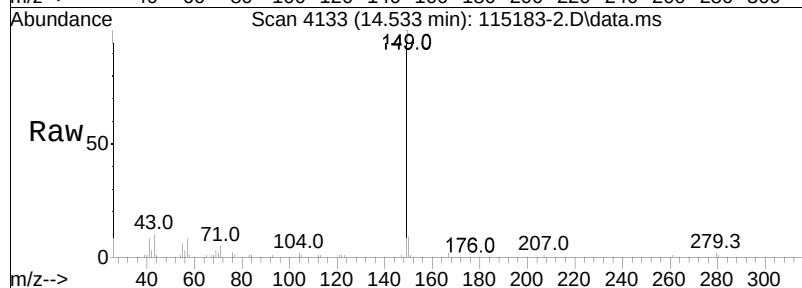
Tgt Ion:	149	Resp:	68468
Ion Ratio	Lower	Upper	
149	100		
167	25.2	22.1	33.1
279	2.6	3.0	4.4#

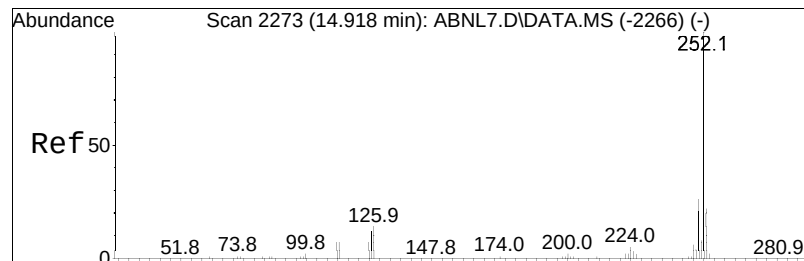




#109
 Di-n-octylphthalate
 Concen: 1.83 ug/ml
 RT: 14.533 min Scan# 4133
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

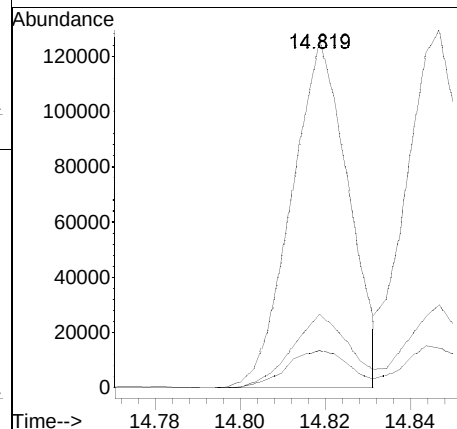
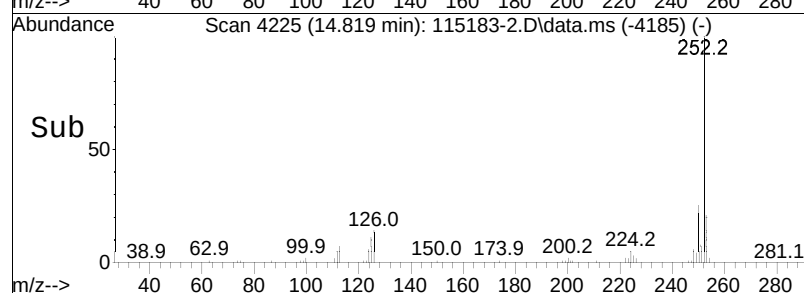
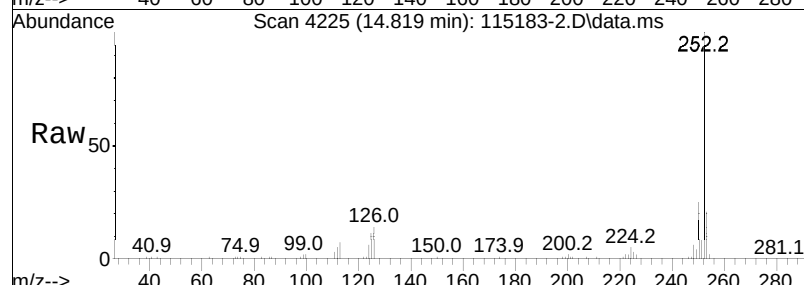
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	111613		
43	10.0		18.8	28.2#
167	1.5		1.3	1.9

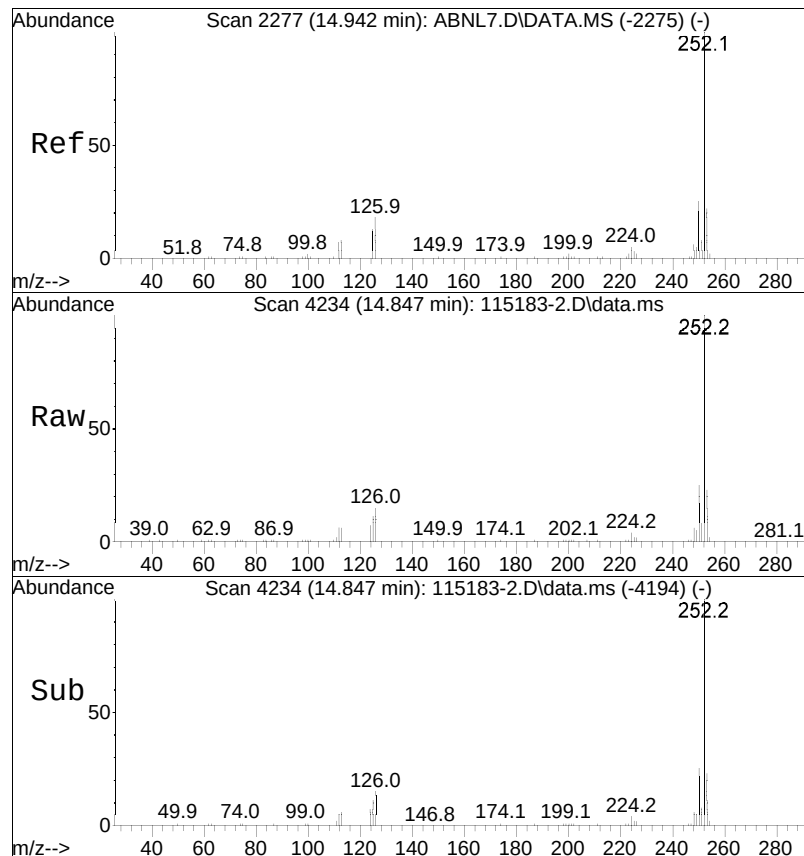




#110
 Benzo(b)fluoranthene
 Concen: 1.86 ug/ml
 RT: 14.819 min Scan# 4225
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

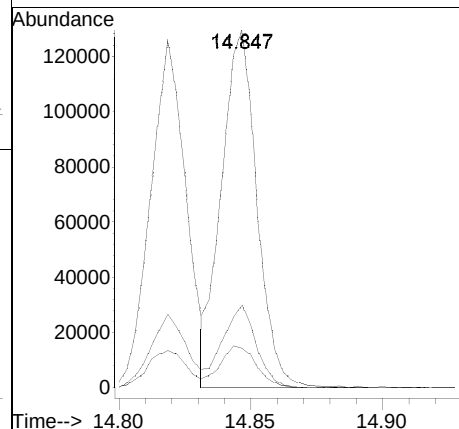
Tgt	Ion:252	Resp:	117321
Ion	Ratio	Lower	Upper
252	100		
125	12.1	13.3	19.9#
253	21.3	17.1	25.7

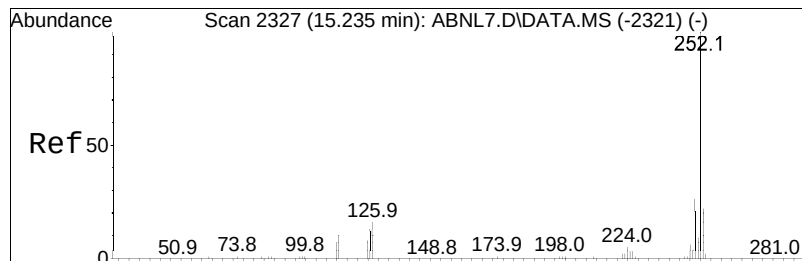




#111
 Benzo(k)fluoranthene
 Concen: 1.89 ug/ml
 RT: 14.847 min Scan# 4234
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

Tgt Ion	Ratio	Lower	Upper
252	100		
125	12.3	13.0	19.6#
253	21.9	16.8	25.2





#112

Benzo(a)pyrene

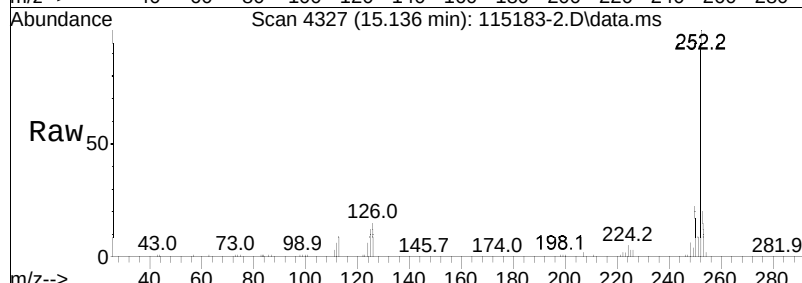
Concen: 1.98 ug/ml

RT: 15.136 min Scan# 4327

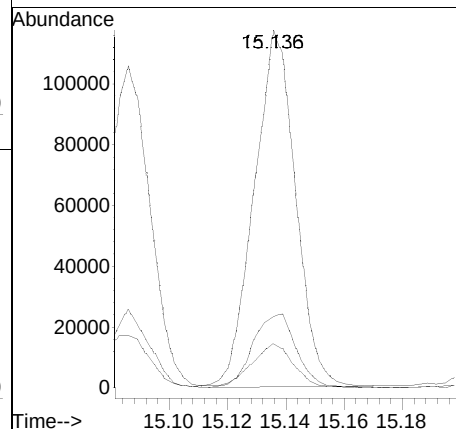
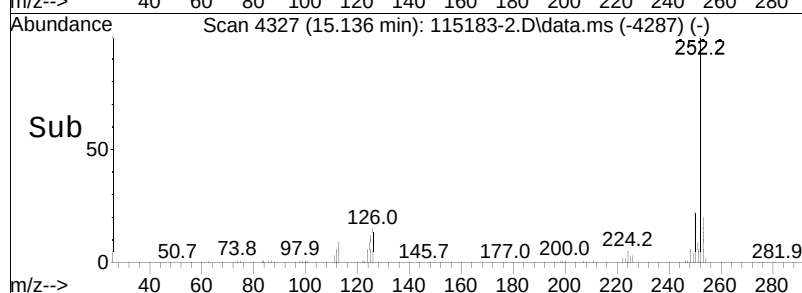
Delta R.T. 0.000 min

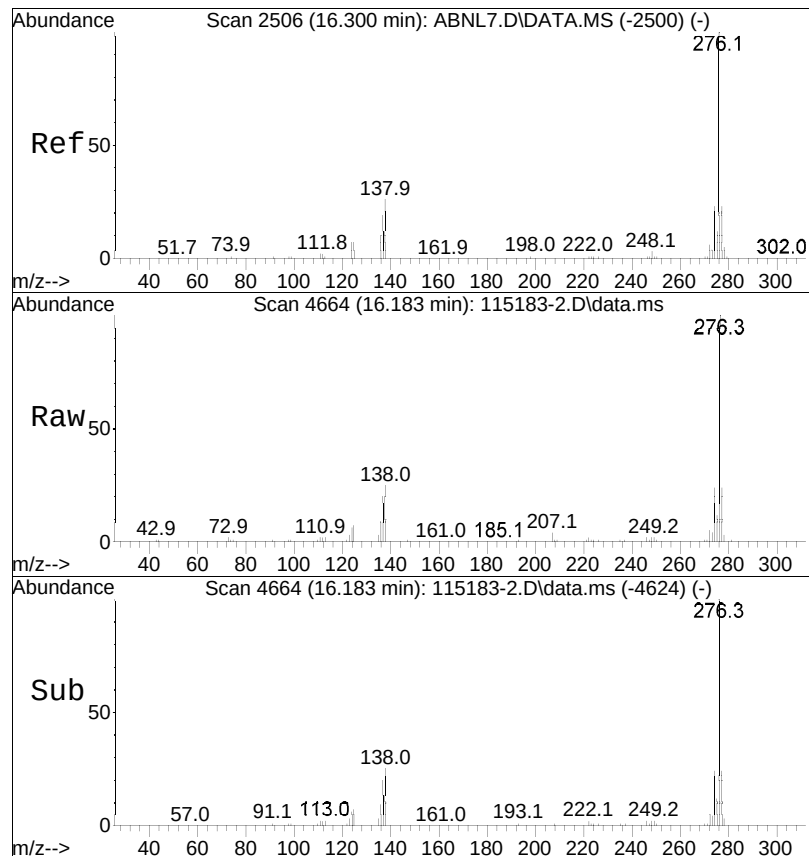
Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am



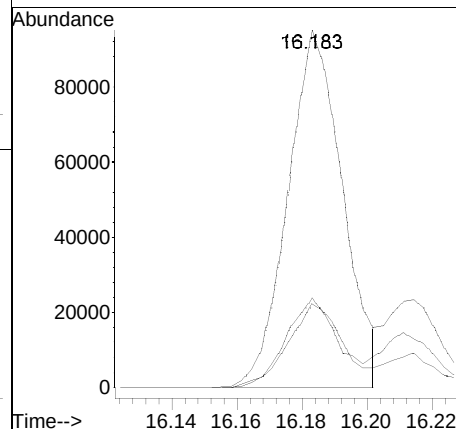
Tgt	Ion:252	Resp:	116042
Ion	Ratio	Lower	Upper
252	100		
125	13.1	14.2	21.2#
253	21.6	16.9	25.3

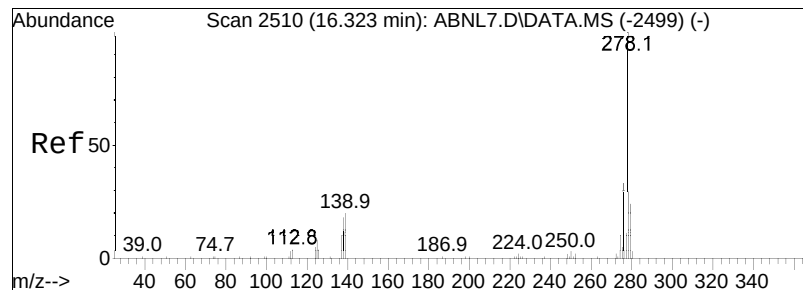




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 1.73 ug/mL
 RT: 16.183 min Scan# 4664
 Delta R.T. 0.000 min
 Lab File: 115183-2.D
 Acq: 16 Sep 2025 10:23 am

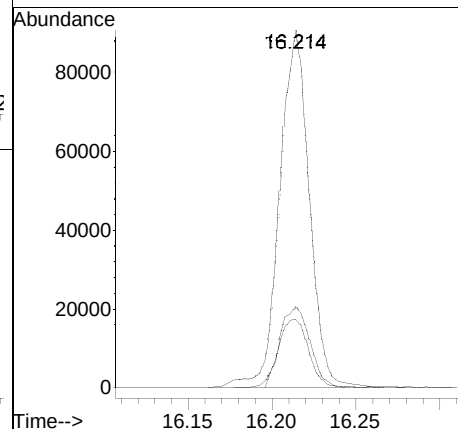
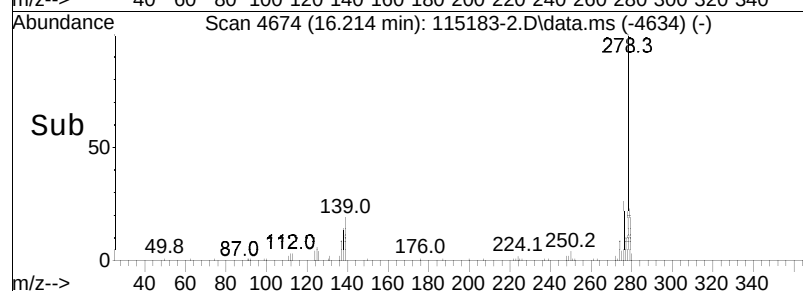
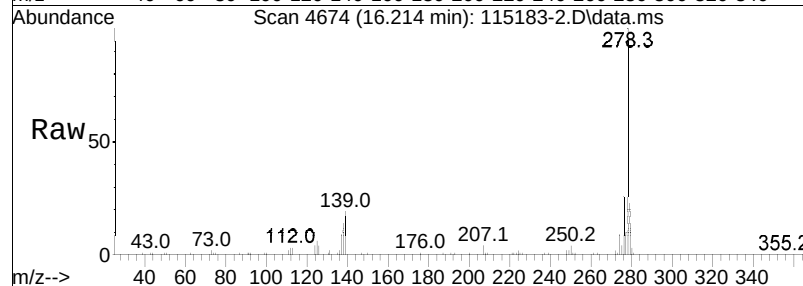
Tgt Ion:	276	Resp:	110584
Ion Ratio	Lower	Upper	
276	100		
138	24.2	25.1	37.7#
277	22.8	18.6	28.0

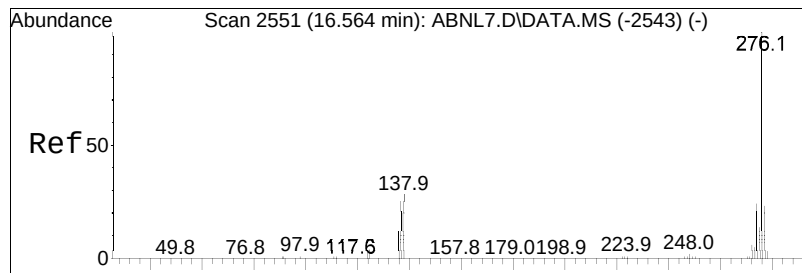




#115
Dibenzo(a,h)anthracene
Concen: 1.67 ug/ml
RT: 16.214 min Scan# 4674
Delta R.T. 0.000 min
Lab File: 115183-2.D
Acq: 16 Sep 2025 10:23 am

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.4	20.8	31.2#
279	23.7	18.3	27.5





#116

Benzo(ghi)perylene

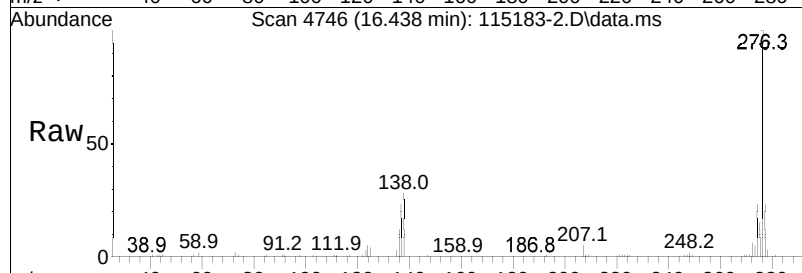
Concen: 1.68 ug/ml

RT: 16.438 min Scan# 4746

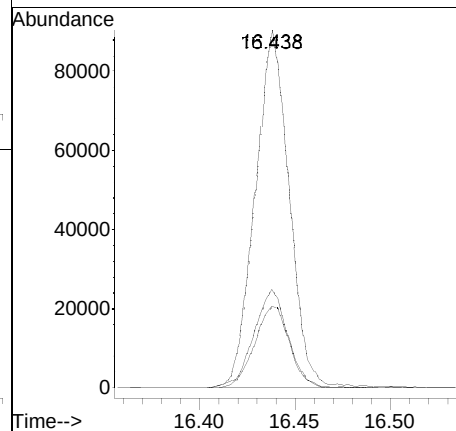
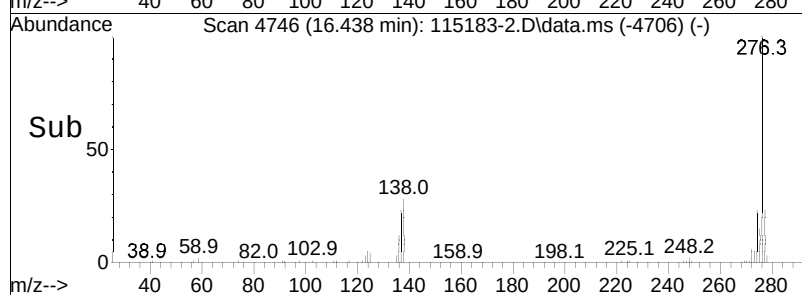
Delta R.T. 0.000 min

Lab File: 115183-2.D

Acq: 16 Sep 2025 10:23 am



Tgt Ion:	276	Resp:	111025
Ion Ratio	Lower	Upper	
276	100		
138	27.9	29.2	43.8#
277	23.5	18.8	28.2



Manual Integration Report

Data Path	: I:\8270\SV107\250916\	QMethod	: FS250826SV107RVT.m
Data File	: 115183-2.D	Operator	: SV107:smz
Date Inj'd	: 9/16/2025 10:23 am	Instrument	: SV107
Sample	: WG2115183-2,32,,gmr	Quant Date	: 9/16/2025 12:24 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : 115766-2.D
 Acq On : 17 Sep 2025 11:36 am
 Operator : SV106:als
 Sample : WG2115761-2,32,,gmr/1
 Misc : WG2116036,WG2115761,ical22591
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 14:08:10 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250917RVT\ABN0917.D
 : 2 - I:\8270\SV106\250917RVT\ADP0917.D
 : 3 - I:\8270\SV106\250917RVT\AP90917.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.036	152	53122	4.000	ug/ml	0.00
Standard Area 1 = 41772			Recovery =	127.17%		
27) IS2_1,4-Dichlorobenzen...	4.036	152	53122	4.000	ug/ml	0.00
Standard Area 3 = 37950			Recovery =	139.98%		
32) IS3_1,4-Dichlorobenzen...	4.036	152	53122	4.000	ug/ml	0.00
Standard Area 2 = 38868			Recovery =	136.67%		
35) IS1_Naphthalene-d8	5.310	136	206888	4.000	ug/ml	0.00
Standard Area 1 = 164763			Recovery =	125.57%		
55) IS2_Naphthalene-d8	5.310	136	206888	4.000	ug/ml	0.00
Standard Area 3 = 149066			Recovery =	138.79%		
63) IS1_Acenaphthene-d10	7.035	164	121419	4.000	ug/ml	0.00
Standard Area 1 = 100432			Recovery =	120.90%		
83) IS2_Acenaphthene-d10	7.035	164	121419	4.000	ug/ml	0.00
Standard Area 3 = 86354			Recovery =	140.61%		
86) IS3_Acenaphthene-d10	7.035	164	121419	4.000	ug/ml	0.00
Standard Area 2 = 87242			Recovery =	139.17%		
88) IS1_Phenanthrene-d10	8.474	188	243116	4.000	ug/ml	0.00
Standard Area 1 = 194347			Recovery =	125.09%		
100) IS3_Phenanthrene-d10	8.474	188	243116	4.000	ug/ml	0.00
Standard Area 2 = 174483			Recovery =	139.34%		
104) IS1_Chrysene-d12	11.079	240	252504	4.000	ug/ml	0.00
Standard Area 1 = 201958			Recovery =	125.03%		
113) IS1_Perylene-d12	12.515	264	294847	4.000	ug/ml	0.00
Standard Area 1 = 215767			Recovery =	136.65%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.684	112	14437	0.983	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	49.15%		
7) Phenol-d6	3.747	99	12422	0.710	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	35.50%		
19) Nitrobenzene-d5	4.605	82	10184	0.625	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	62.50%		
46) 2-Fluorobiphenyl	6.414	172	25346	0.597	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	59.70%		
79) 2,4,6-Tribromophenol	7.809	330	7383	1.254	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	62.70%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : 115766-2.D
 Acq On : 17 Sep 2025 11:36 am
 Operator : SV106:als
 Sample : WG2115761-2,32,,gmr/1
 Misc : WG2116036,WG2115761,ical22591
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 14:08:10 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250917RVT\ABN0917.D
 : 2 - I:\8270\SV106\250917RVT\ADP0917.D
 : 3 - I:\8270\SV106\250917RVT\AP90917.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.078	244	36070	0.604	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	60.40%
Target Compounds						Qvalue
6) 2-Chlorophenol	3.825	128	22155	1.253	ug/ml#	89
8) Phenol	3.759	94	14575	0.762	ug/ml	98
9) Bis(2-chloroethyl)ether	3.809	93	18913	1.246	ug/ml#	83
10) 1,3-Dichlorobenzene	3.974	146	21272	1.002	ug/ml	96
11) 1,4-Dichlorobenzene	4.052	146	22649	1.044	ug/ml	97
12) 1,2-Dichlorobenzene	4.201	146	21948	1.052	ug/ml	95
13) Benzyl alcohol	4.219	79	15261	1.192	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.378	45	27380	1.104	ug/ml#	52
15) 2-Methylphenol	4.372	108	18016	1.229	ug/ml	99
16) Hexachloroethane	4.540	117	8335	1.043	ug/ml#	75
17) n-Nitrosodi-n-propylamine	4.499	70	14059	1.300	ug/ml	97
18) 3-Methylphenol/4-Methy...	4.536	108	19583	1.222	ug/ml	90
20) Nitrobenzene	4.623	77	20235	1.209	ug/ml	94
21) Isophorone	4.881	82	38199	1.253	ug/ml	99
22) 2-Nitrophenol	4.950	139	10802	1.271	ug/ml#	87
23) 2,4-Dimethylphenol	5.059	107	20464	1.212	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.139	93	26190	1.275	ug/ml#	98
25) 2,4-Dichlorophenol	5.205	162	21676	1.395	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.270	180	19771	1.083	ug/ml	98
29) Acetophenone	4.468	105	32414	1.281	ug/ml#	80
36) Naphthalene	5.329	128	64941	1.160	ug/ml	99
37) Benzoic Acid	5.139	105	5936	1.164	ug/ml	92
38) 4-Chloroaniline	5.419	65	4155M3	0.686	ug/ml	
39) Hexachlorobutadiene	5.497	225	10459	1.009	ug/ml	98
40) p-Chloro-m-cresol	5.951	107	20069	1.367	ug/ml	93
41) 2-Methylnaphthalene	6.025	142	39397	1.189	ug/ml	96
43) Hexachlorocyclopentadiene	6.202	237	10075	0.767	ug/ml	96
44) 2,4,6-Trichlorophenol	6.330	196	15493	1.404	ug/ml	96
45) 2,4,5-Trichlorophenol	6.361	196	18213	1.471	ug/ml	99
47) 2-Chloronaphthalene	6.495	162	44630	1.187	ug/ml	99
48) 2-Nitroaniline	6.619	138	15190	1.425	ug/ml#	80
51) Dimethyl phthalate	6.836	163	59159	1.335	ug/ml#	98
52) Acenaphthylene	6.892	152	76310	1.261	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : 115766-2.D
 Acq On : 17 Sep 2025 11:36 am
 Operator : SV106:als
 Sample : WG2115761-2,32,,gmr/1
 Misc : WG2116036,WG2115761,ical22591
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 14:08:10 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250917RVT\ABN0917.D
 : 2 - I:\8270\SV106\250917RVT\ADP0917.D
 : 3 - I:\8270\SV106\250917RVT\AP90917.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53)	2,6-Dinitrotoluene	6.874	165	12000	1.388	ug/ml#	76
61)	1,2,4,5-Tetrachloroben...	6.199	216	21340	1.106	ug/ml	98
62)	Biphenyl	6.501	154	56916	1.182	ug/ml	98
64)	3-Nitroaniline	7.023	138	12249	1.181	ug/ml#	88
65)	Acenaphthene	7.066	154	42372	1.229	ug/ml	90
66)	2,4-Dinitrophenol	7.129	184	4675	0.930	ug/ml	94
67)	Dibenzofuran	7.240	168	71421	1.276	ug/ml	90
68)	2,4-Dinitrotoluene	7.259	165	15638	1.340	ug/ml#	76
69)	4-Nitrophenol	7.247	65	7658	1.059	ug/ml#	1
72)	Diethyl phthalate	7.539	149	62143	1.350	ug/ml	98
73)	Fluorene	7.573	166	57125	1.301	ug/ml	96
74)	4-Chlorophenyl phenyl ...	7.607	204	26496	1.268	ug/ml#	87
75)	4-Nitroaniline	7.613	138	13992	1.368	ug/ml#	79
76)	4,6-Dinitro-o-cresol	7.651	198	7814	1.204	ug/ml#	65
77)	NDPA/DPA	7.725	169	48414	1.319	ug/ml	93
80)	4-Bromophenyl phenyl e...	8.077	248	16915	1.313	ug/ml#	83
81)	Hexachlorobenzene	8.111	284	19579	1.358	ug/ml#	85
82)	Pentachlorophenol	8.316	266	10095	1.189	ug/ml	96
89)	Phenanthrene	8.496	178	90844	1.243	ug/ml	99
90)	Anthracene	8.546	178	90085	1.258	ug/ml	99
91)	Carbazole	8.726	167	85882	1.307	ug/ml	98
92)	Di-n-butylphthalate	9.152	149	152617	1.983	ug/ml#	98
93)	Fluoranthene	9.652	202	103636	1.316	ug/ml#	93
95)	Pyrene	9.864	202	109381	1.302	ug/ml	99
97)	Butyl benzyl phthalate	10.607	149	49288	1.533	ug/ml	85
105)	Benzo(a)anthracene	11.073	228	111775	1.312	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.091	252	28118	0.959	ug/ml	99
107)	Chrysene	11.104	228	107804	1.278	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	11.247	149	81448	1.524	ug/ml#	91
109)	Di-n-octylphthalate	11.912	149	133576	1.491	ug/ml#	72
110)	Benzo(b)fluoranthene	12.151	252	117584	1.458	ug/ml#	95
111)	Benzo(k)fluoranthene	12.179	252	113231	1.377	ug/ml	96
112)	Benzo(a)pyrene	12.459	252	110259	1.459	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.466	276	111468	1.326	ug/mL	94
115)	Dibenzo(a,h)anthracene	13.494	278	115899	1.331	ug/ml#	93
116)	Benzo(ghi)perylene	13.677	276	113705	1.326	ug/ml#	91

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : 115766-2.D
 Acq On : 17 Sep 2025 11:36 am
 Operator : SV106:als
 Sample : WG2115761-2,32,,gmr/1
 Misc : WG2116036,WG2115761,ical22591
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 14:08:10 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250917RVT\ABN0917.D
 : 2 - I:\8270\SV106\250917RVT\ADP0917.D
 : 3 - I:\8270\SV106\250917RVT\AP90917.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

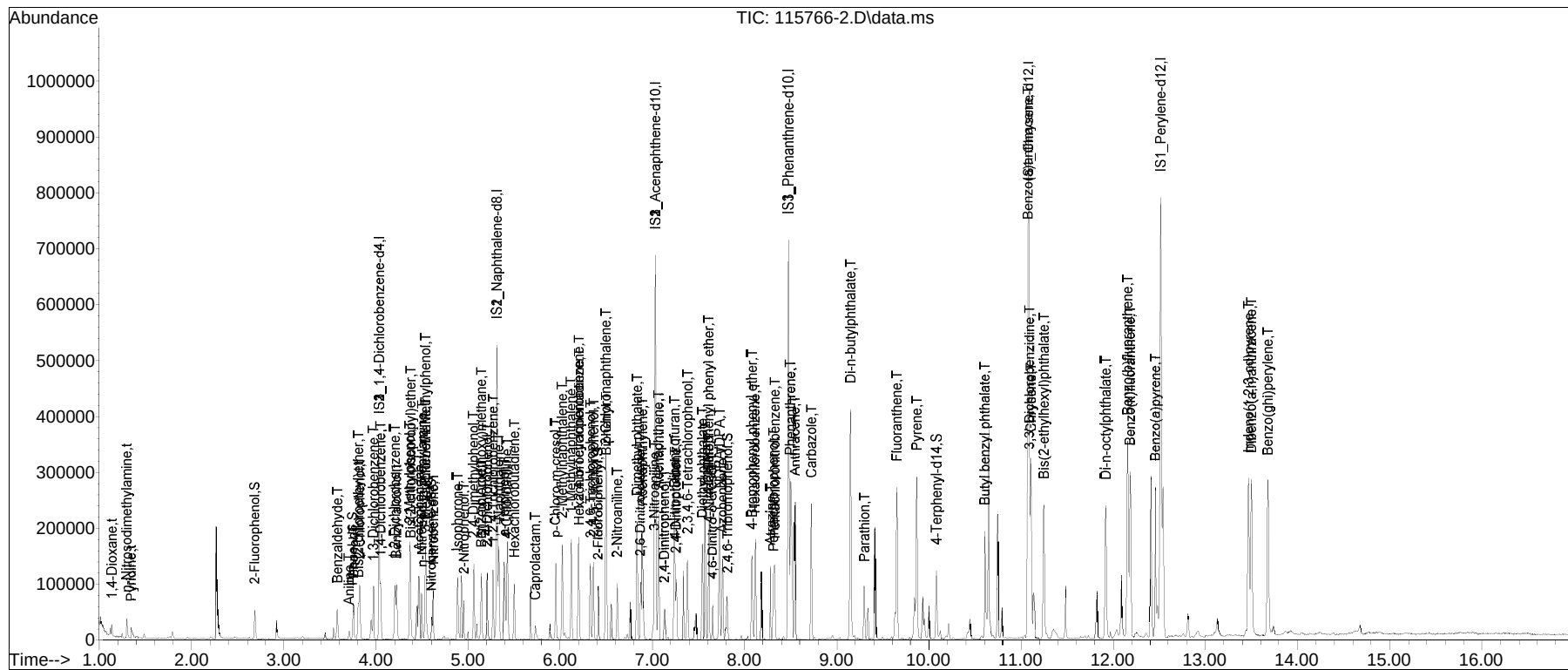
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

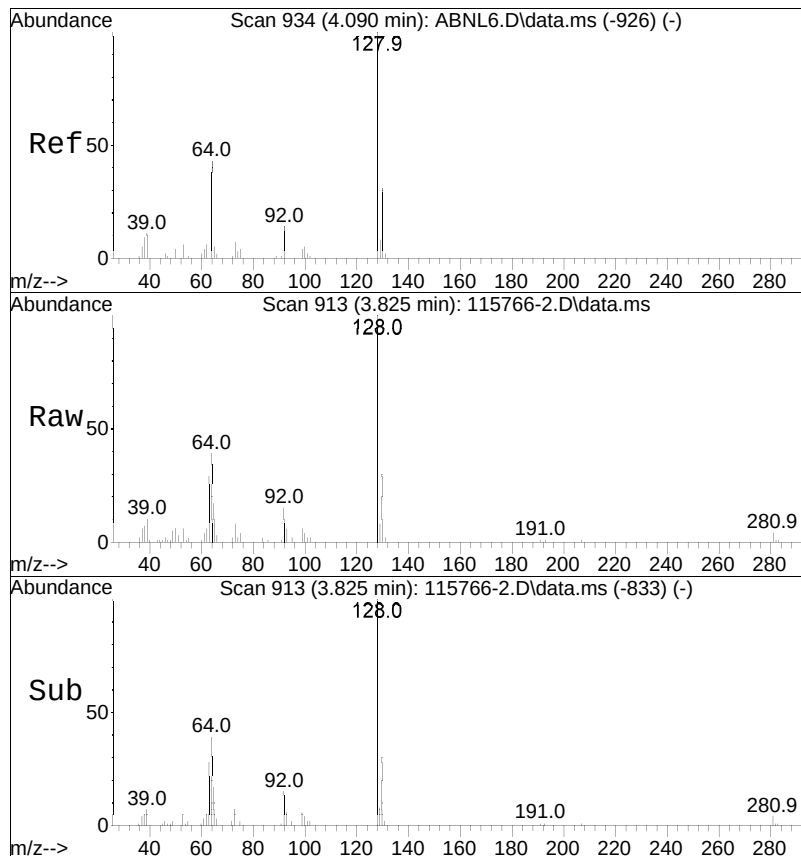
(QT Reviewed)

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Data Path   : I:\8270\SV106\250917RVT\  
Data File  : 115766-2.D  
Acq On     : 17 Sep 2025   11:36 am  
Operator   : SV106:als  
Sample     : WG2115761-2,32,,gmr/1  
Misc       : WG2116036,WG2115761,ical22591  
ALS Vial   : 2      Sample Multiplier: 1
```

Quant Time: Sep 18 14:08:10 2025
Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Sep 17 11:05:06 2025
Response via : Initial Calibration

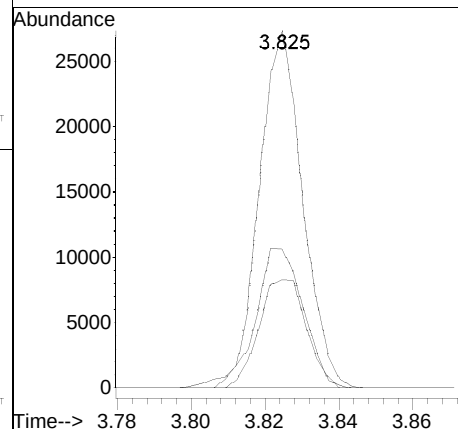
Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP90917.D•

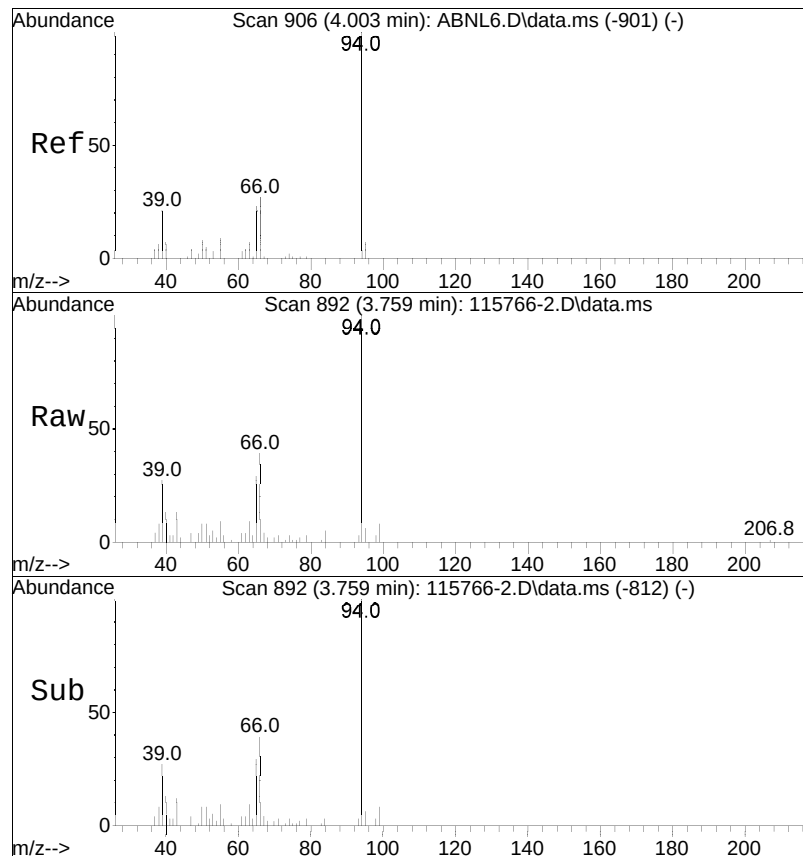




#6
 2-Chlorophenol
 Concen: 1.25 ug/ml
 RT: 3.825 min Scan# 913
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

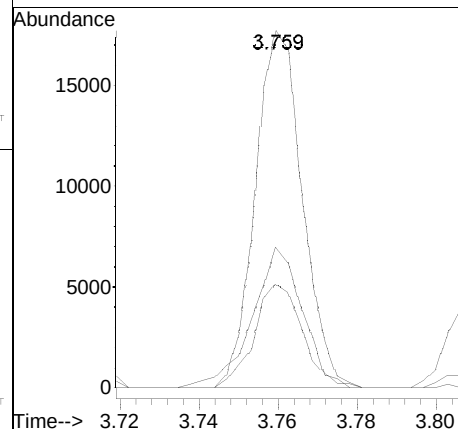
Tgt	Ion:128	Resp:	22155
Ion	Ratio	Lower	Upper
128	100		
64	43.8	45.1	67.7#
130	33.4	26.2	39.4

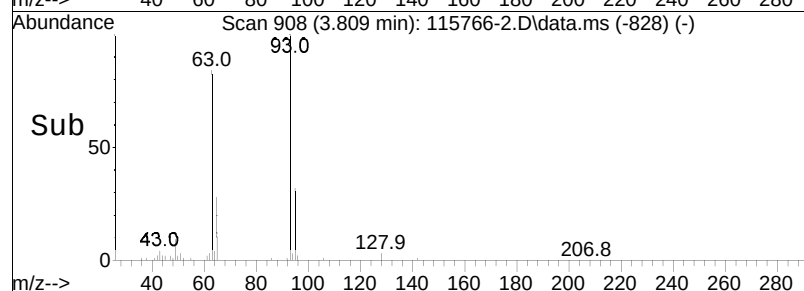
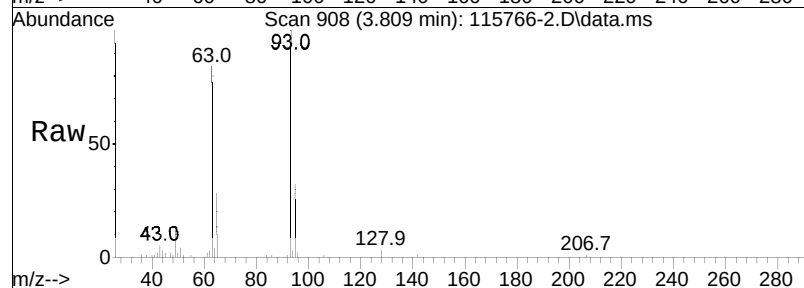
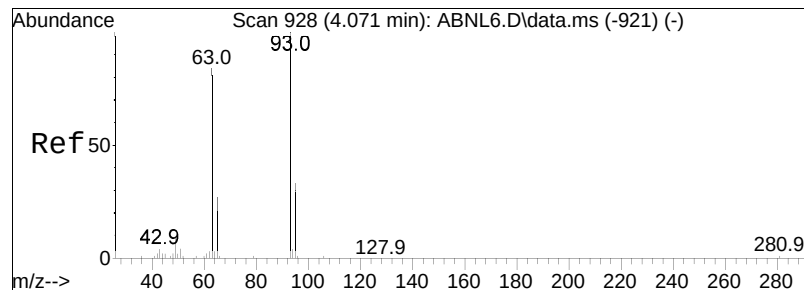




#8
 Phenol
 Concen: 0.76 ug/ml
 RT: 3.759 min Scan# 892
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

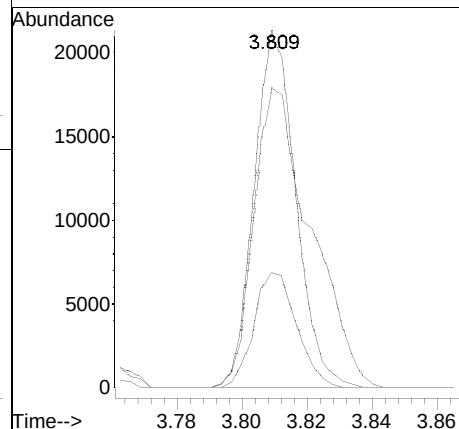
Tgt	Ion: 94	Resp:	14575
Ion	Ratio	Lower	Upper
94	100		
65	29.8	26.0	39.0
66	41.9	33.8	50.8

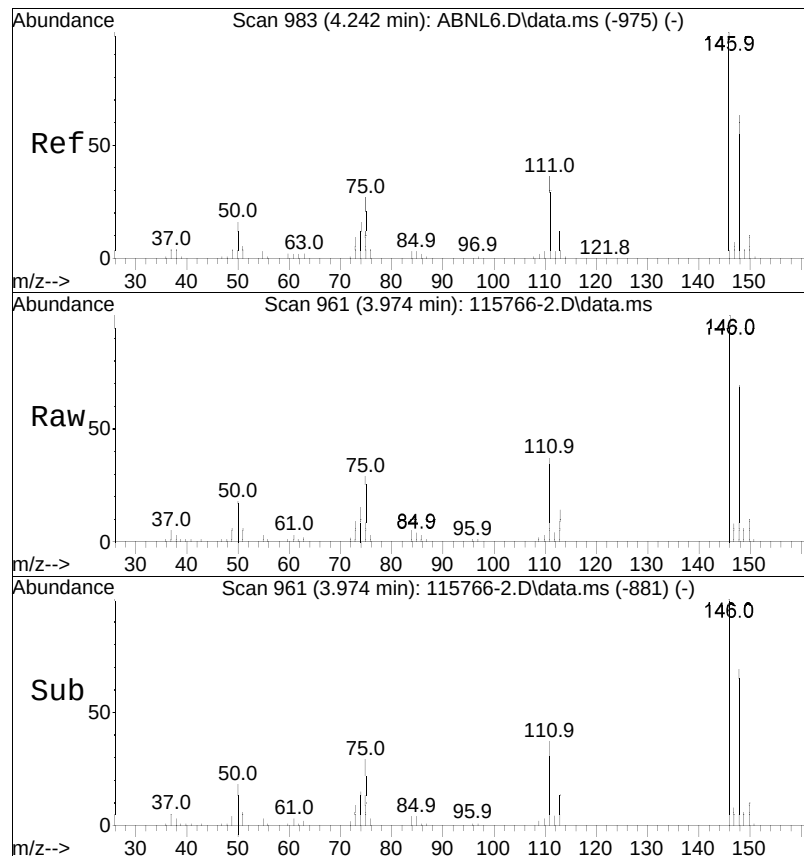




#9
 Bis(2-chloroethyl)ether
 Concen: 1.25 ug/ml
 RT: 3.809 min Scan# 908
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

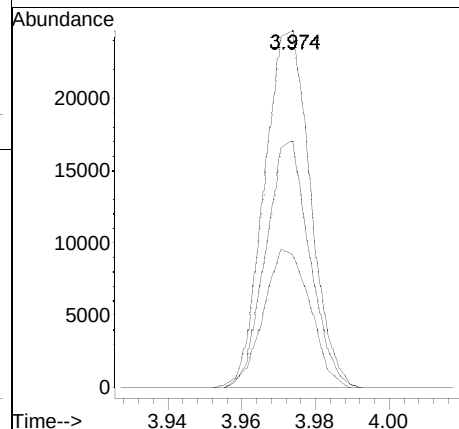
Tgt Ion	Ratio	Lower	Upper
93	100		
63	114.3	74.6	111.8#
95	33.1	25.9	38.9

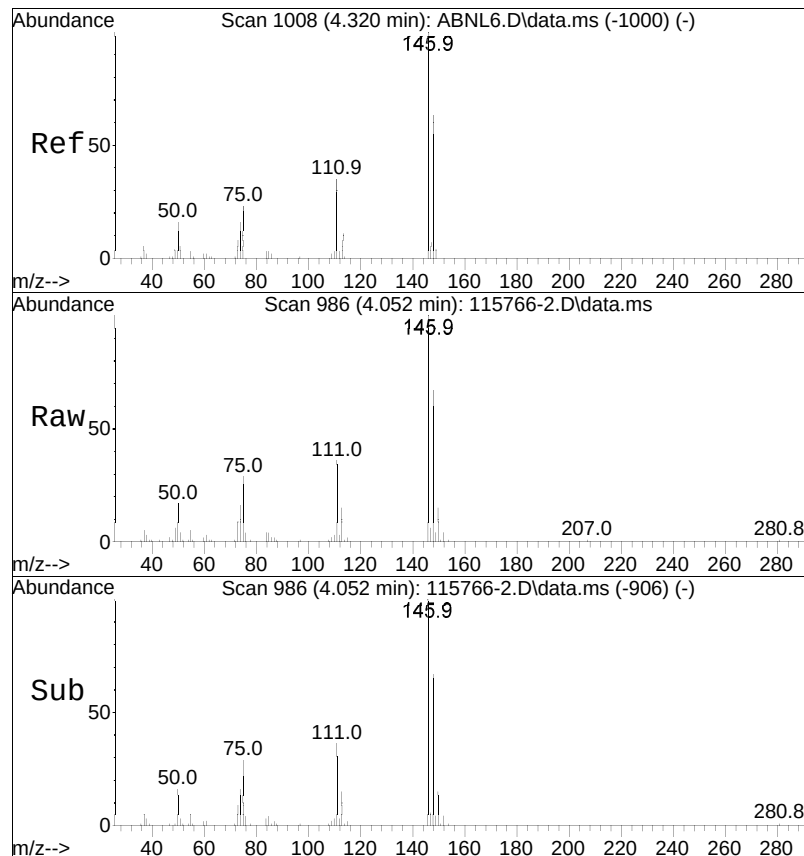




#10
 1,3-Dichlorobenzene
 Concen: 1.00 ug/ml
 RT: 3.974 min Scan# 961
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

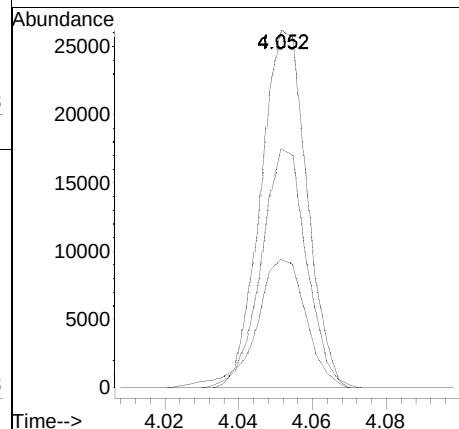
Tgt Ion:	146	Resp:	21272
Ion Ratio	Lower	Upper	
146	100		
111	39.4	34.3	51.5
148	66.0	50.8	76.2

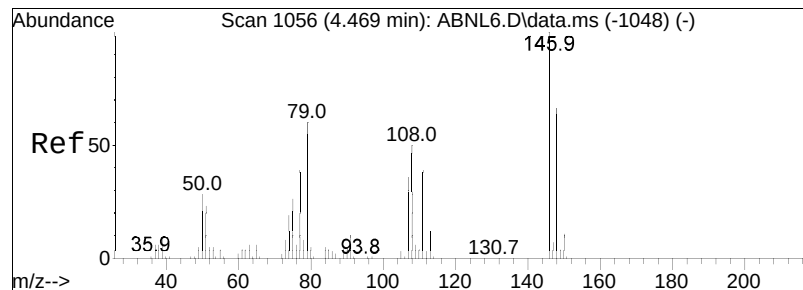




#11
 1,4-Dichlorobenzene
 Concen: 1.04 ug/ml
 RT: 4.052 min Scan# 986
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

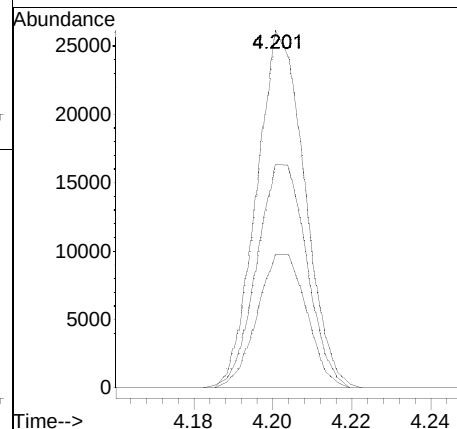
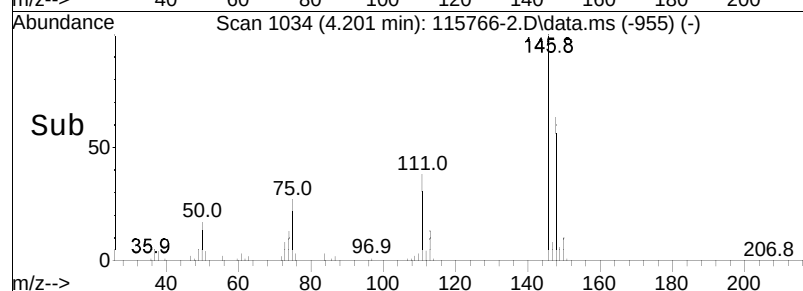
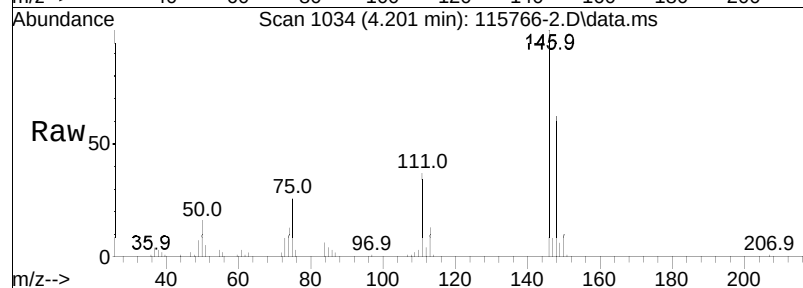
Tgt Ion:	146	Resp:	22649
Ion Ratio	Lower	Upper	
146	100		
148	65.4	50.7	76.1
111	39.1	33.4	50.0

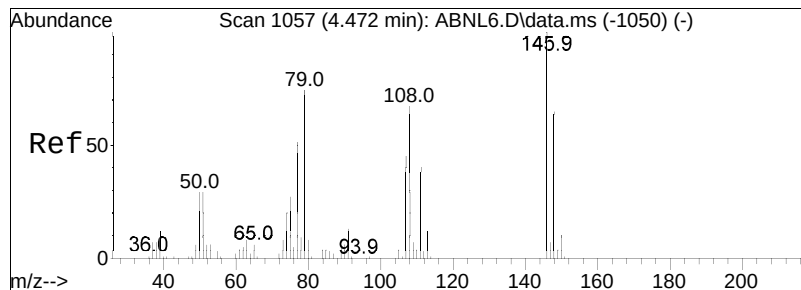




#12
 1,2-Dichlorobenzene
 Concen: 1.05 ug/ml
 RT: 4.201 min Scan# 1034
 Delta R.T. -0.003 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	34.6	52.0
148	64.9	50.2	75.4





#13

Benzyl alcohol

Concen: 1.19 ug/ml

RT: 4.219 min Scan# 1040

Delta R.T. 0.000 min

Lab File: 115766-2.D

Acq: 17 Sep 2025 11:36 am

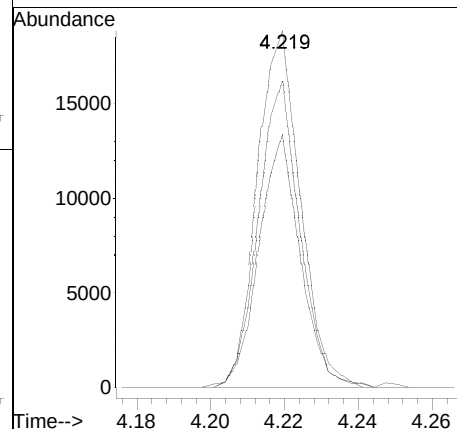
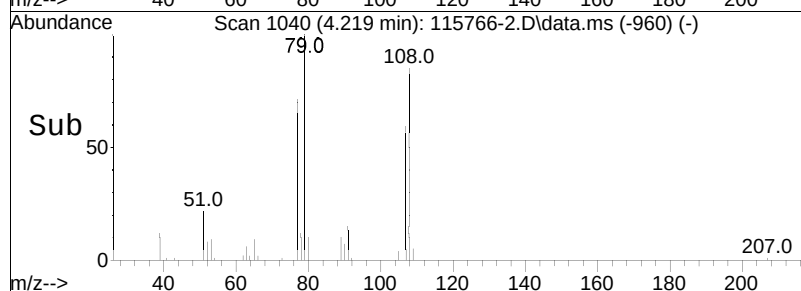
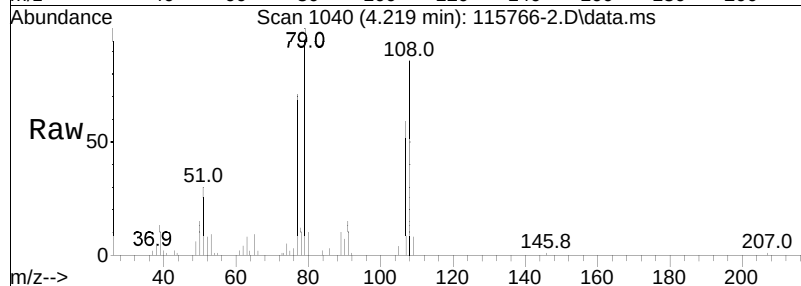
Tgt Ion: 79 Resp: 15261

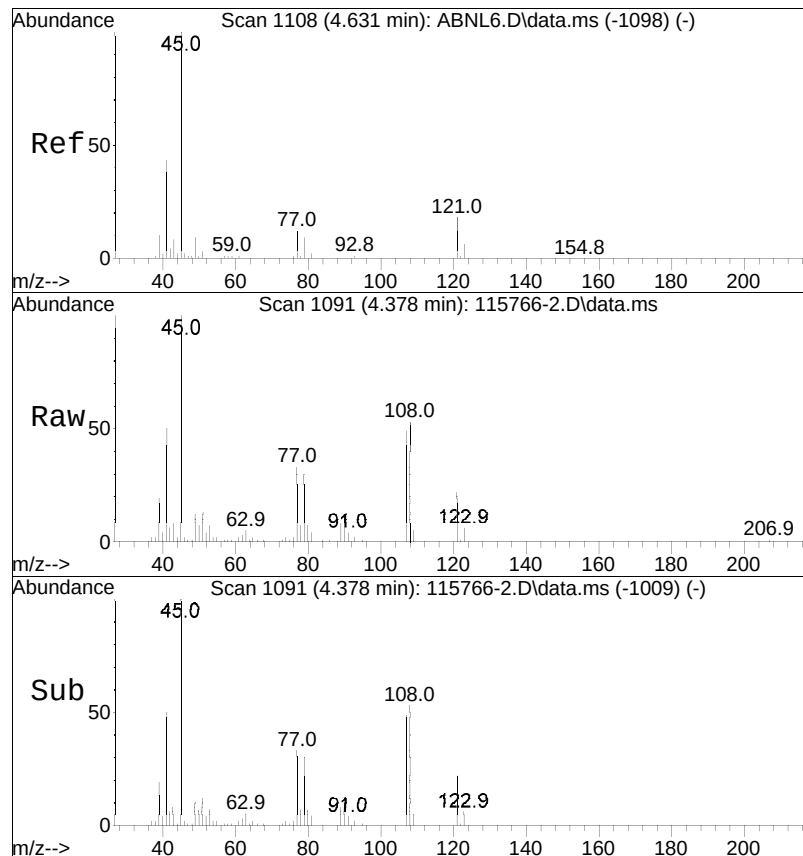
Ion Ratio Lower Upper

79 100

77 68.2 54.9 82.3

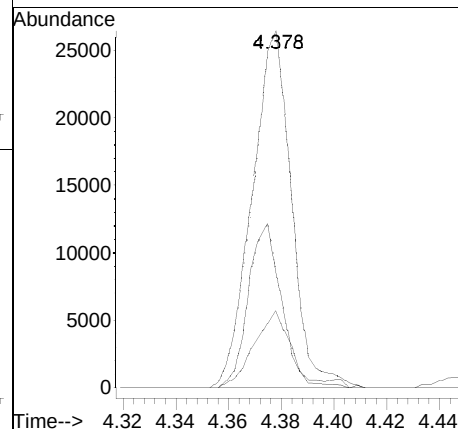
108 82.8 63.1 94.7

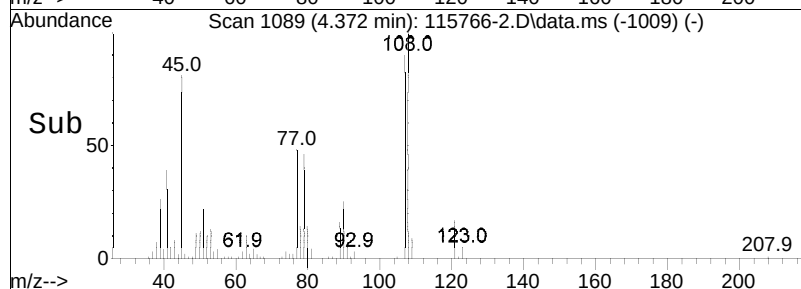
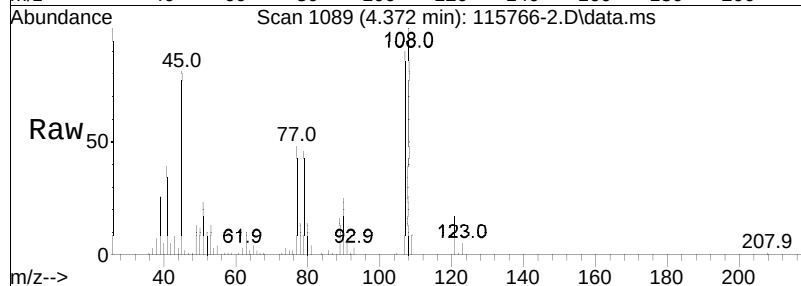
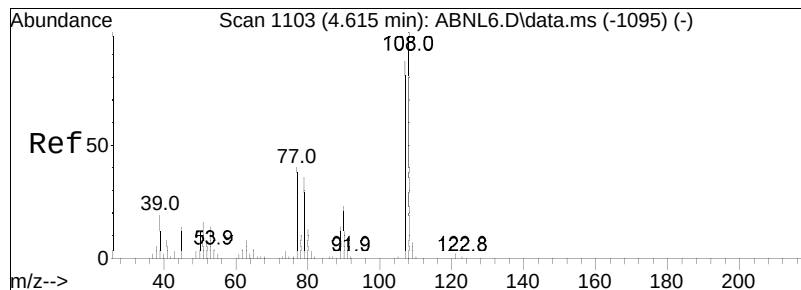




#14
 Bis(2-chloroisopropyl)ether
 Concen: 1.10 ug/ml
 RT: 4.378 min Scan# 1091
 Delta R.T. 0.006 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

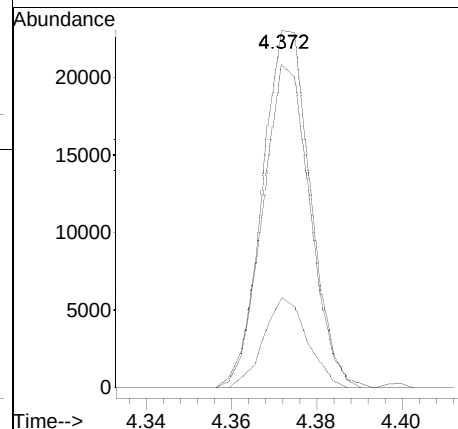
Tgt Ion:	45	Resp:	27380
Ion Ratio	Lower	Upper	
45	100		
121	20.1	9.8	14.6#
77	40.0	6.1	9.1#

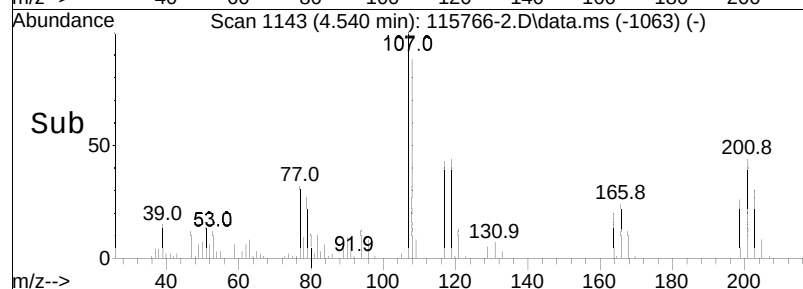
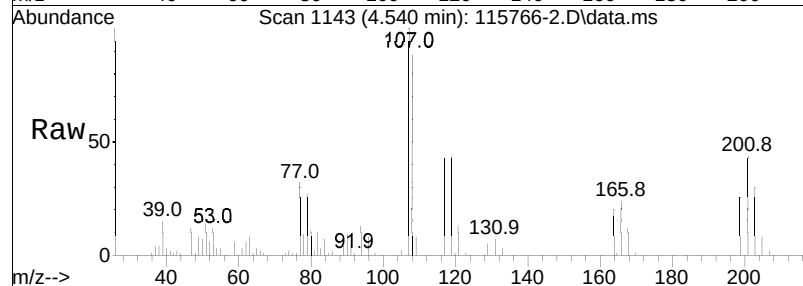
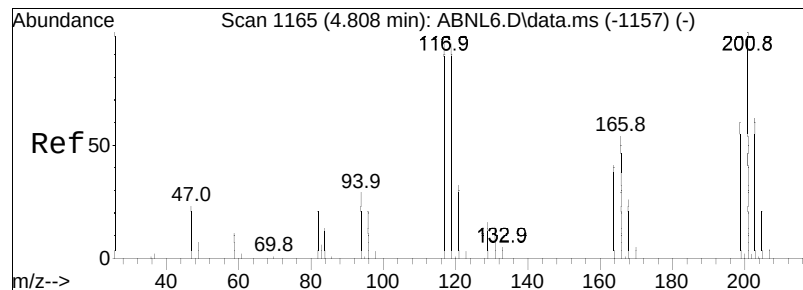




#15
 2-Methylphenol
 Concen: 1.23 ug/ml
 RT: 4.372 min Scan# 1089
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

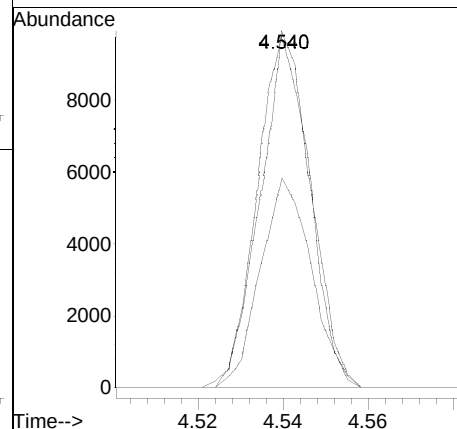
Tgt Ion	Ratio	Lower	Upper
108	100		
107	89.4	70.7	106.1
90	23.0	18.7	28.1

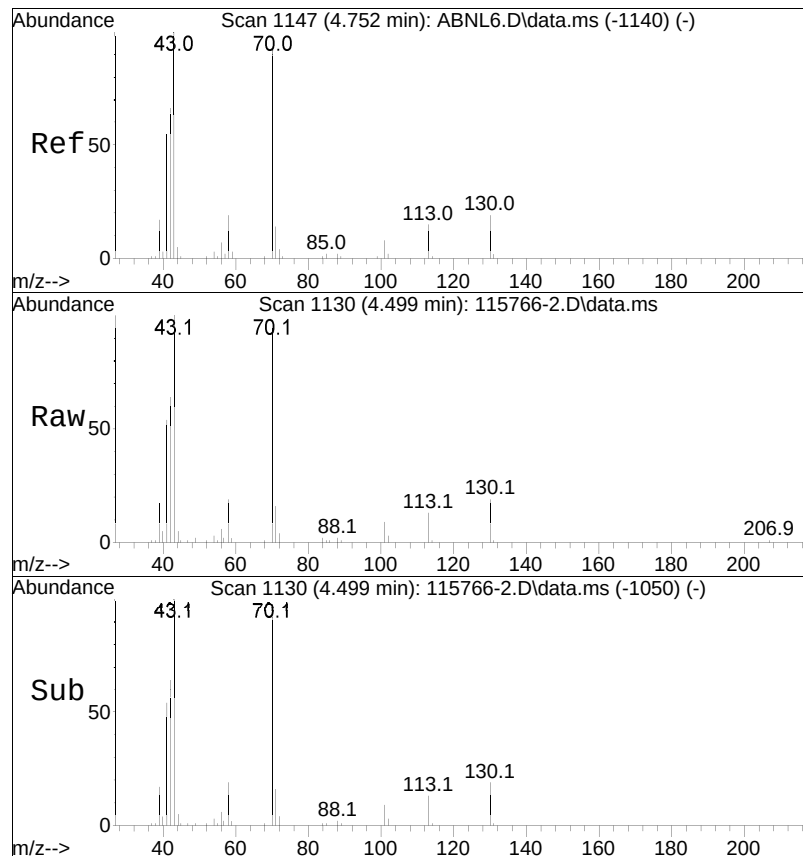




#16
 Hexachloroethane
 Concen: 1.04 ug/ml
 RT: 4.540 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

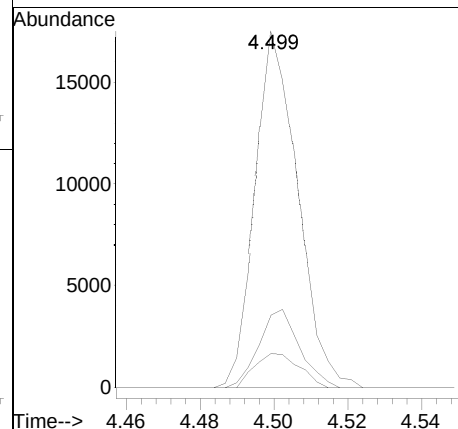
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	8335		
201	98.2		58.6	87.8#
199	58.4		36.9	55.3#

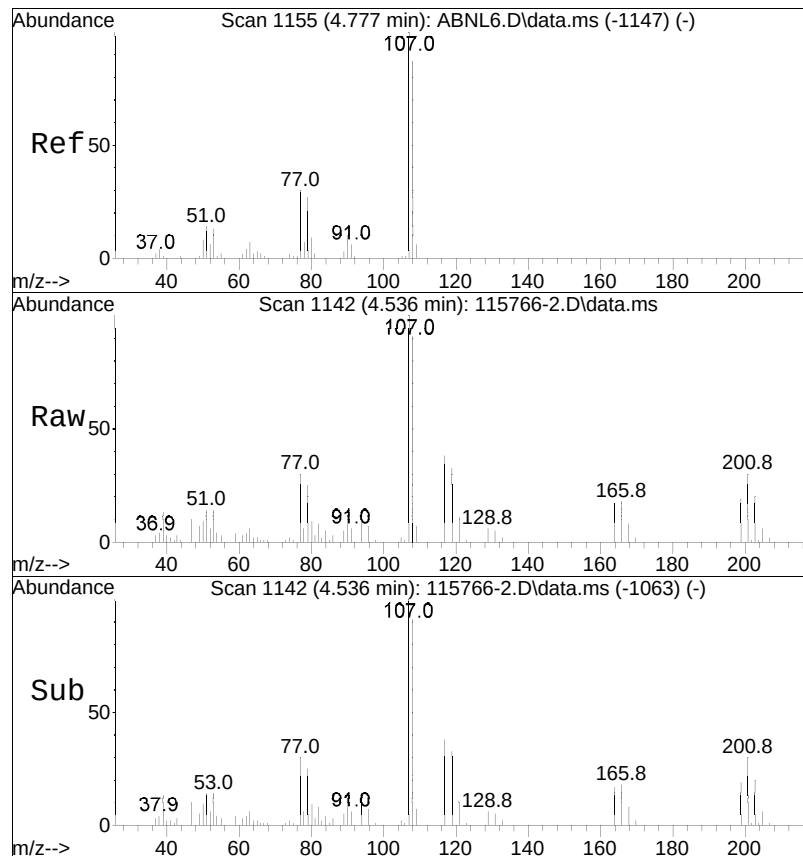




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.30 ug/ml
 RT: 4.499 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

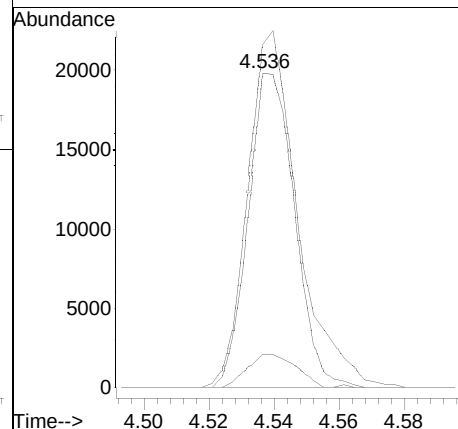
Tgt Ion:	70	Resp:	14059
Ion Ratio	Lower	Upper	
70	100		
130	20.8	18.2	27.4
101	10.1	7.8	11.8

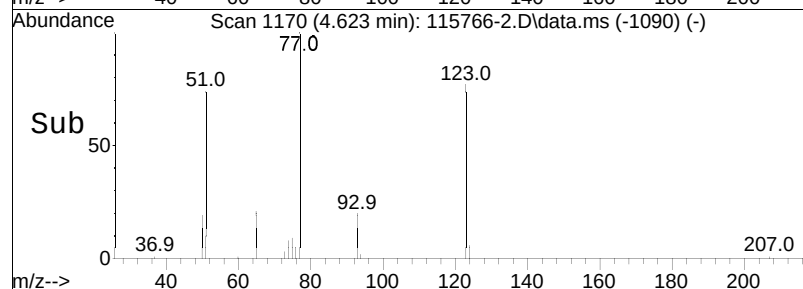
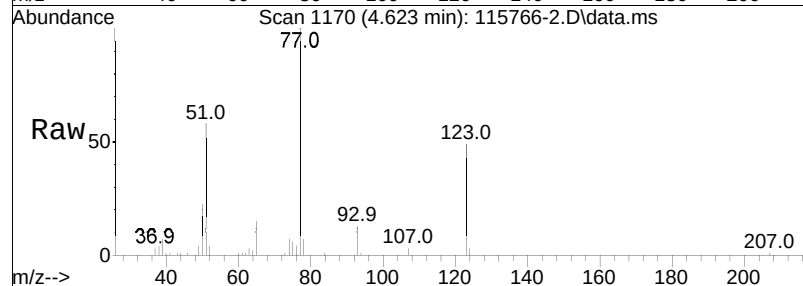
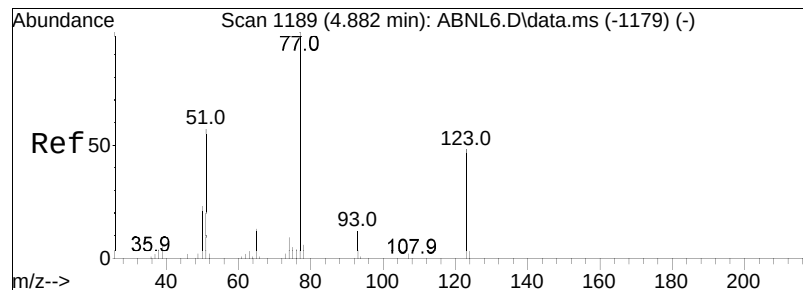




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.22 ug/ml
 RT: 4.536 min Scan# 1142
 Delta R.T. -0.003 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

Tgt Ion	108	Resp	19583
Ion Ratio	Lower	Upper	
108	100		
107	122.5	88.6	132.8
90	11.1	8.8	13.2





#20

Nitrobenzene

Concen: 1.21 ug/ml

RT: 4.623 min Scan# 1170

Delta R.T. 0.000 min

Lab File: 115766-2.D

Acq: 17 Sep 2025 11:36 am

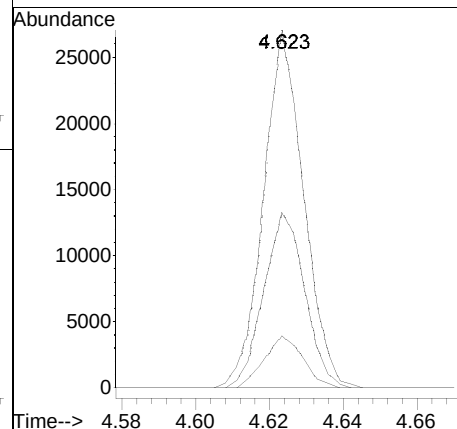
Tgt Ion: 77 Resp: 20235

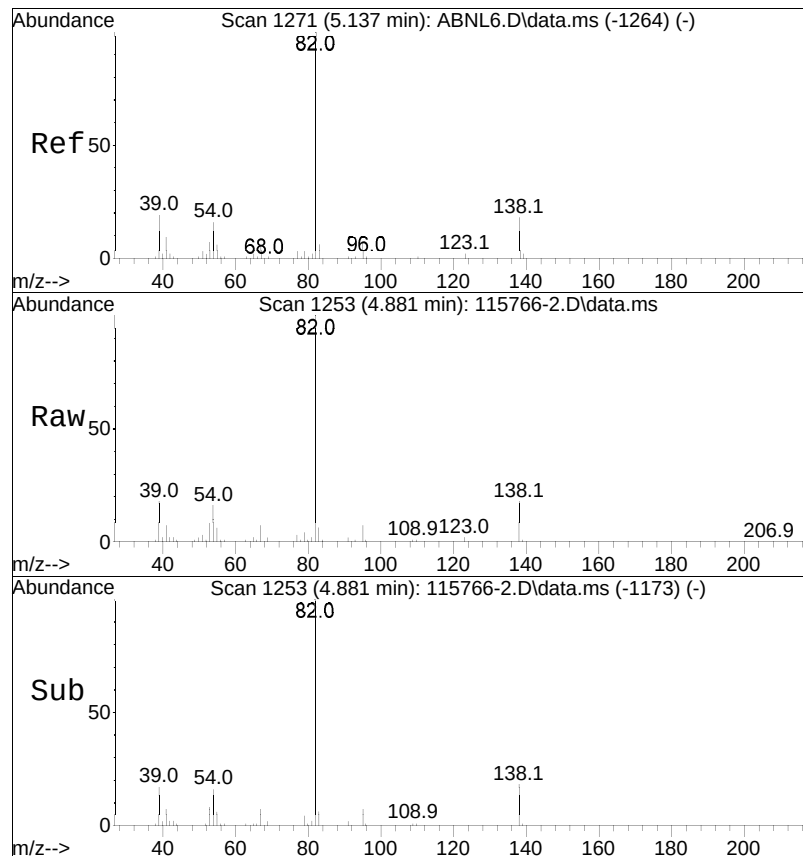
Ion Ratio Lower Upper

77 100

123 50.2 36.3 54.5

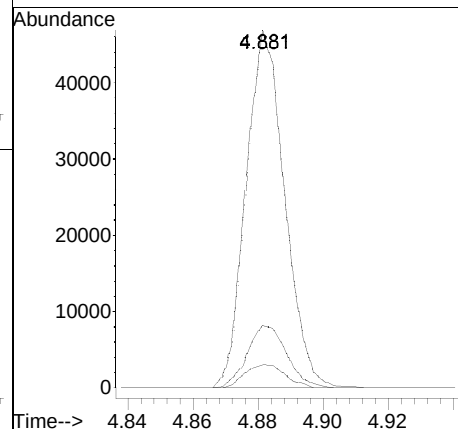
65 14.2 11.6 17.4

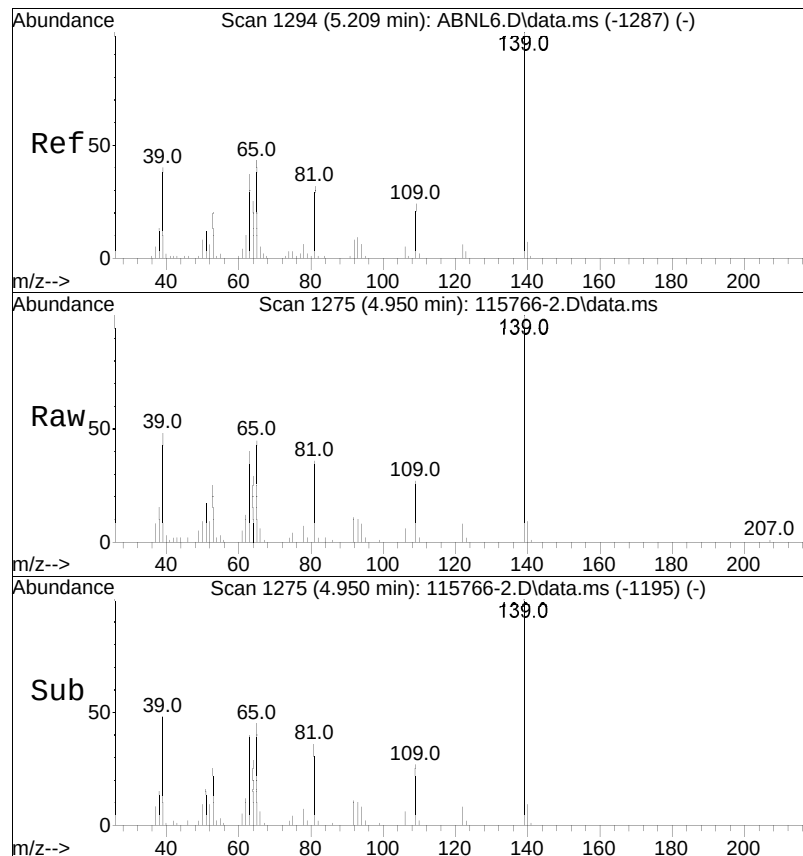




#21
 Isophorone
 Concen: 1.25 ug/ml
 RT: 4.881 min Scan# 1253
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

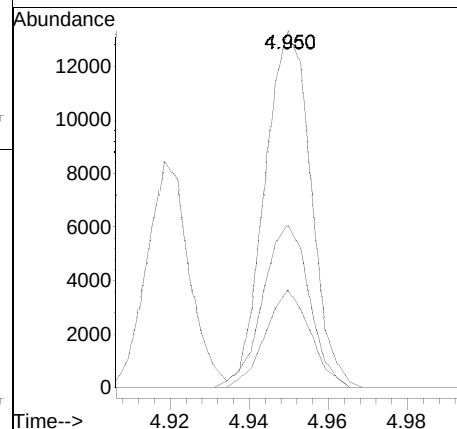
Tgt Ion:	82	Resp:	38199
Ion Ratio	Lower	Upper	
82	100		
138	17.9	14.7	22.1
95	6.9	5.2	7.8

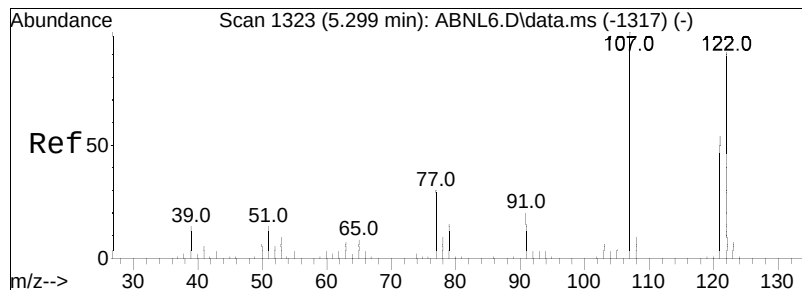




#22
 2-Nitrophenol
 Concen: 1.27 ug/ml
 RT: 4.950 min Scan# 1275
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

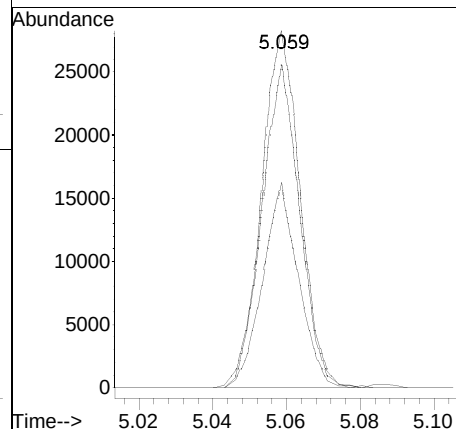
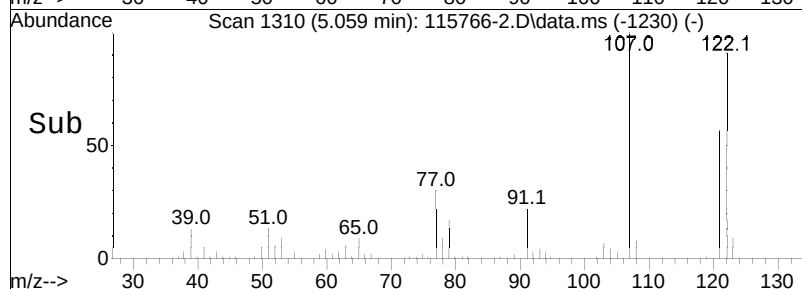
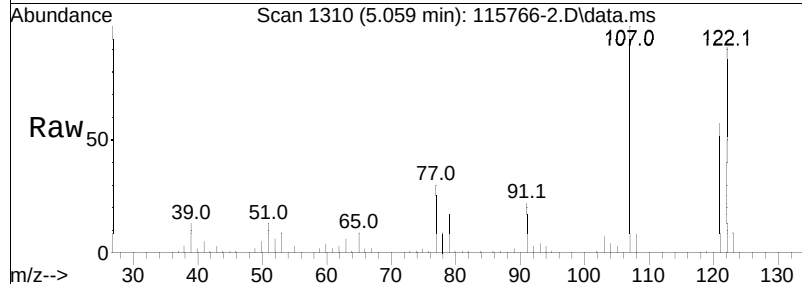
Tgt Ion	Ratio	Lower	Upper
139	100		
109	26.7	19.4	29.0
65	45.6	46.1	69.1#

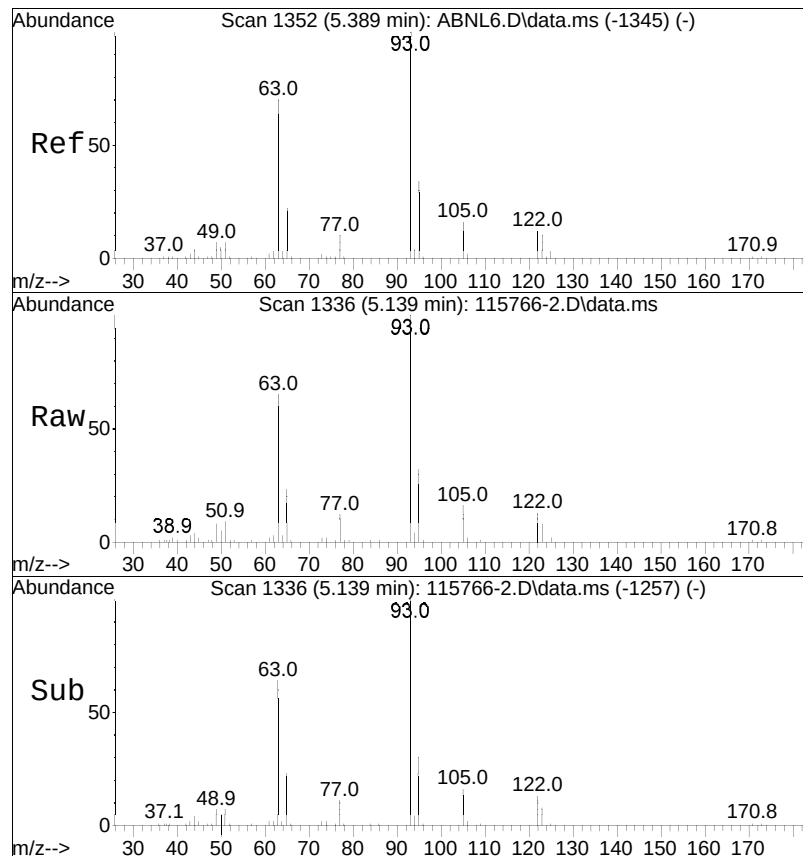




#23
 2,4-Dimethylphenol
 Concen: 1.21 ug/ml
 RT: 5.059 min Scan# 1310
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

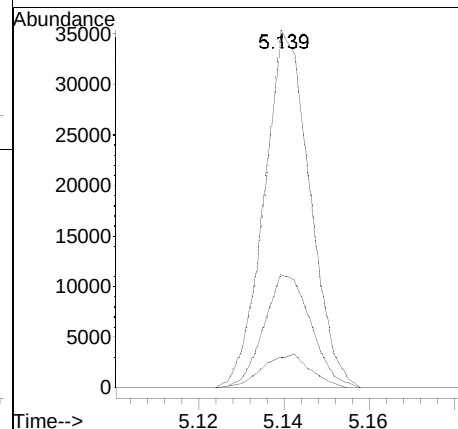
Tgt Ion:	107	Resp:	20464
Ion Ratio	Lower	Upper	
107	100		
121	53.4	40.0	60.0
122	88.1	70.2	105.4

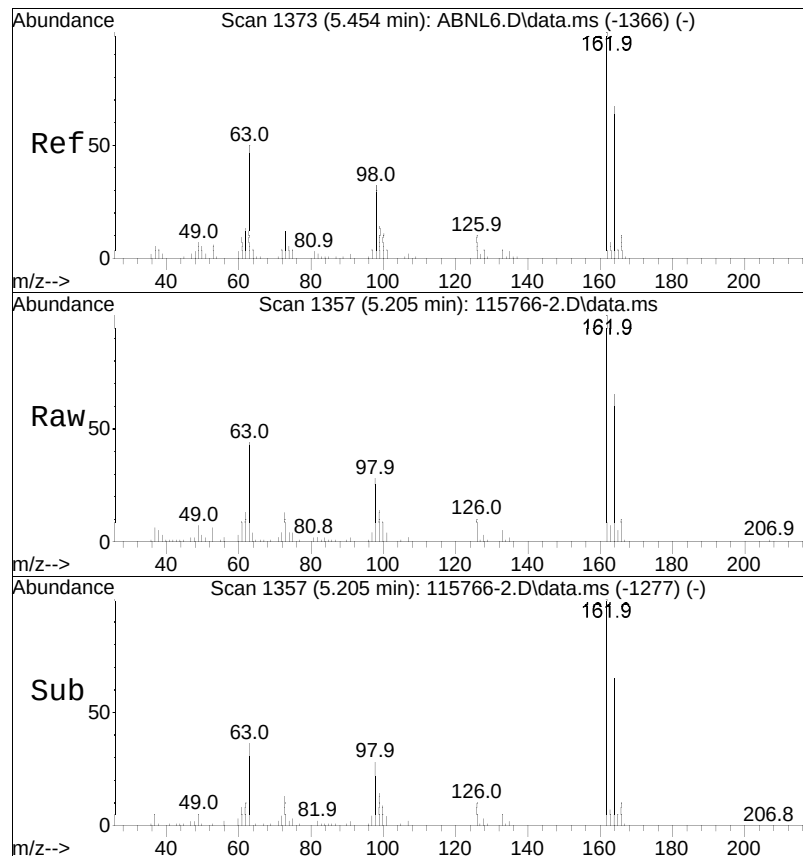




#24
 Bis(2-chloroethoxy)methane
 Concen: 1.28 ug/ml
 RT: 5.139 min Scan# 1336
 Delta R.T. -0.003 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

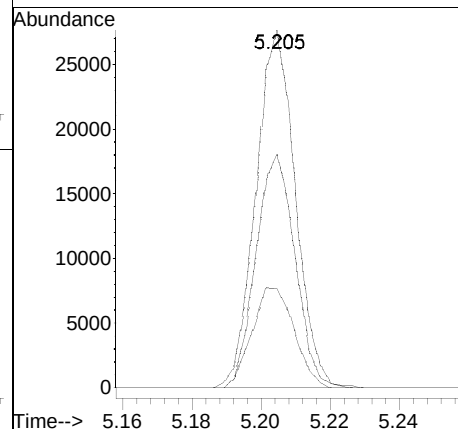
Tgt Ion:	93	Resp:	26190
Ion Ratio	Lower	Upper	
93	100		
95	32.8	25.8	38.8
123	10.1	10.1	15.1#

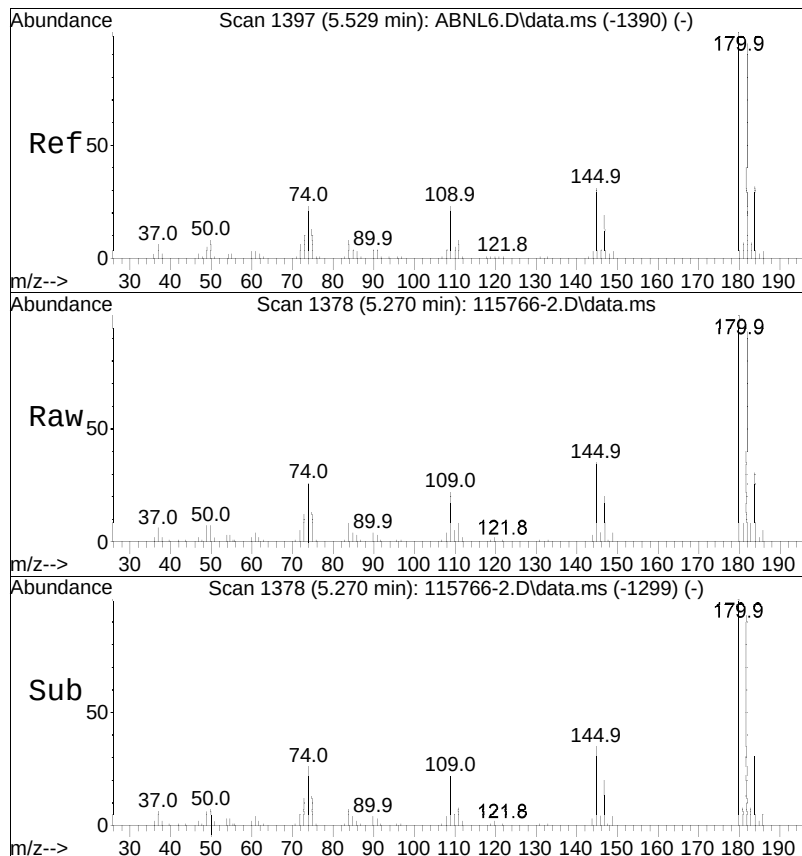




#25
 2,4-Dichlorophenol
 Concen: 1.40 ug/ml
 RT: 5.205 min Scan# 1357
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

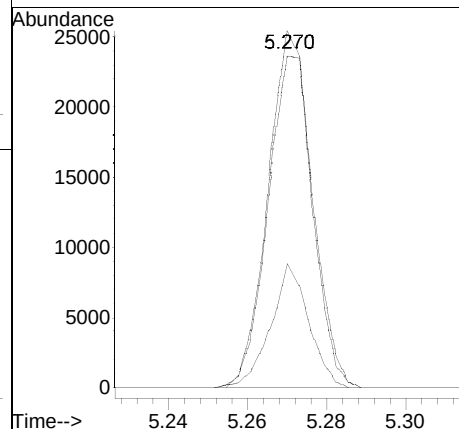
Tgt Ion:	162	Resp:	21676
Ion Ratio	Lower	Upper	
162	100		
164	64.8	51.0	76.4
98	30.2	32.2	48.2#

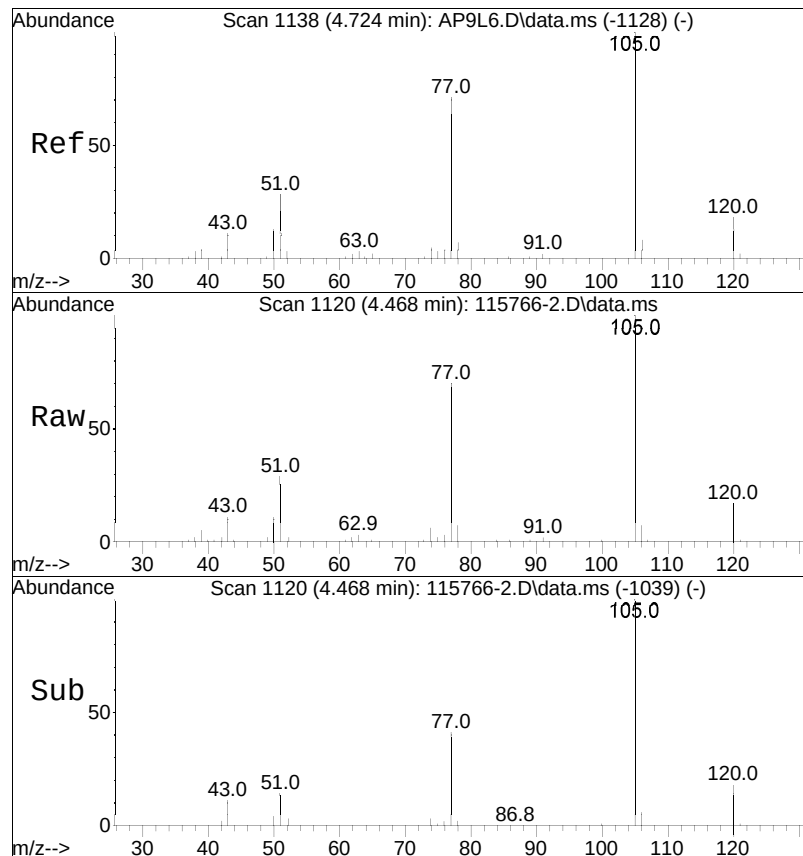




#26
 1,2,4-Trichlorobenzene
 Concen: 1.08 ug/ml
 RT: 5.270 min Scan# 1378
 Delta R.T. -0.003 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

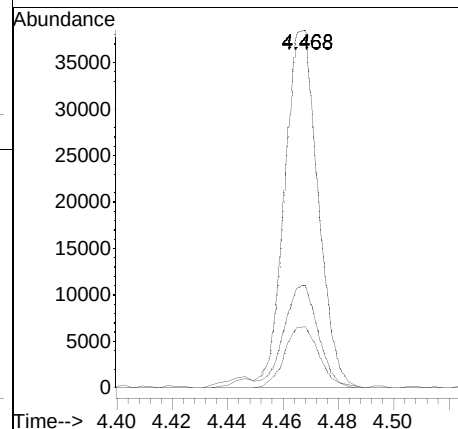
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.0	114.0
145	29.9	25.7	38.5

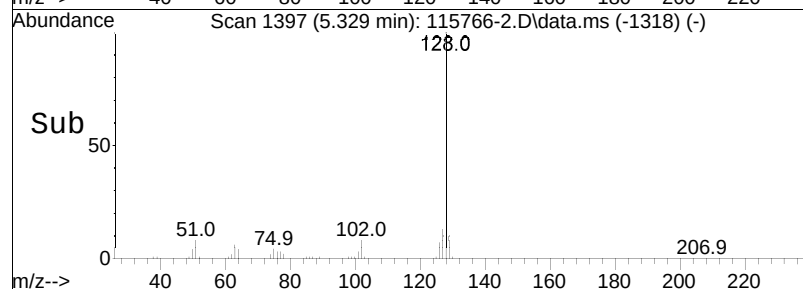
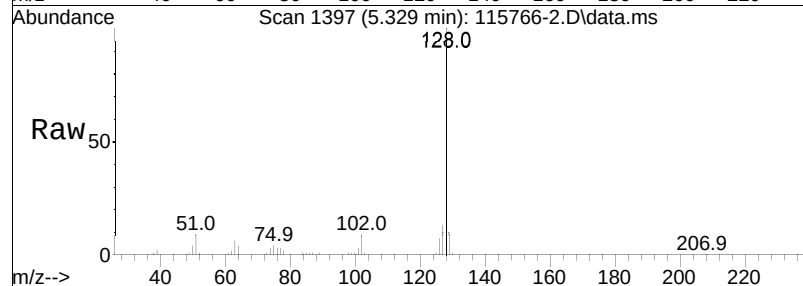
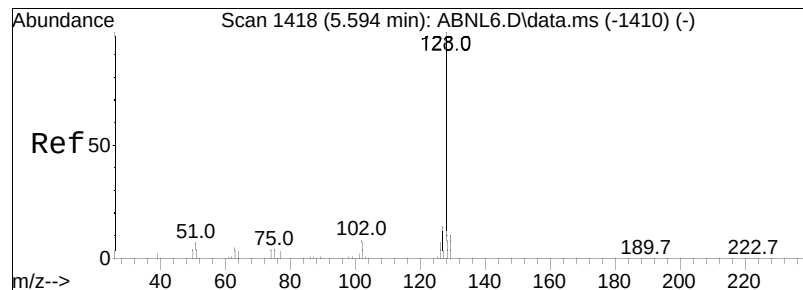




#29
 Acetophenone
 Concen: 1.28 ug/ml
 RT: 4.468 min Scan# 1120
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

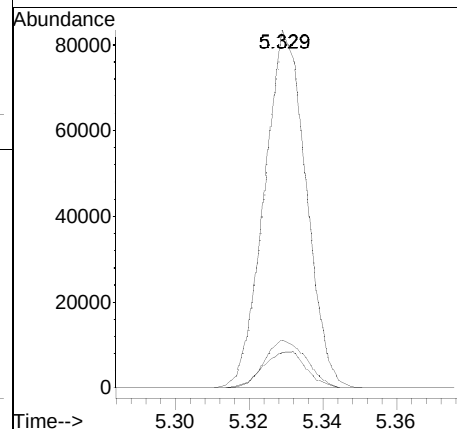
Tgt	Ion:105	Resp:	32414
Ion	Ratio	Lower	Upper
105	100		
120	17.5	20.5	30.7#
51	29.4	34.9	52.3#

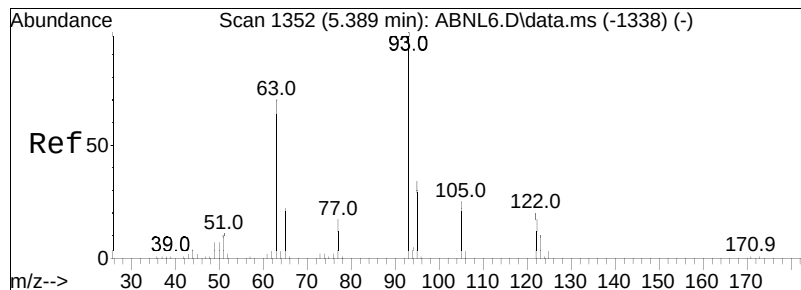




#36
Naphthalene
Concen: 1.16 ug/ml
RT: 5.329 min Scan# 1397
Delta R.T. -0.003 min
Lab File: 115766-2.D
Acq: 17 Sep 2025 11:36 am

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.7	13.1
127	13.4	10.3	15.5





#37

Benzoic Acid

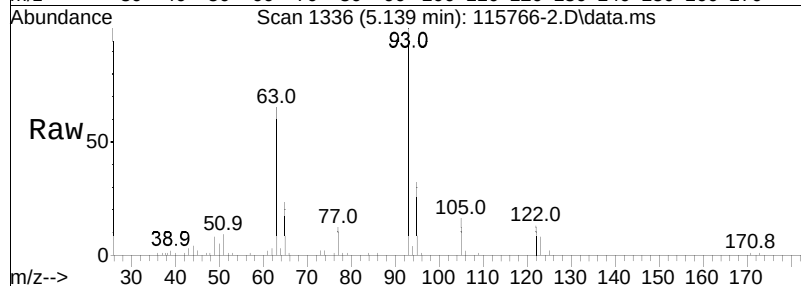
Concen: 1.16 ug/ml

RT: 5.139 min Scan# 1336

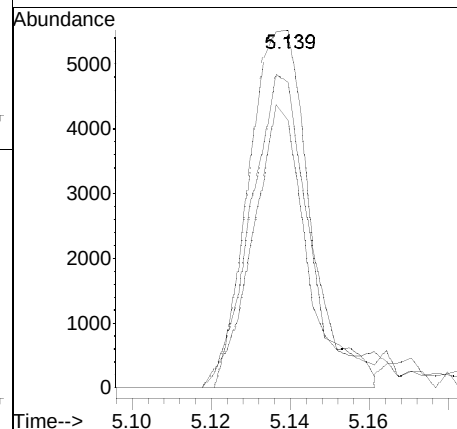
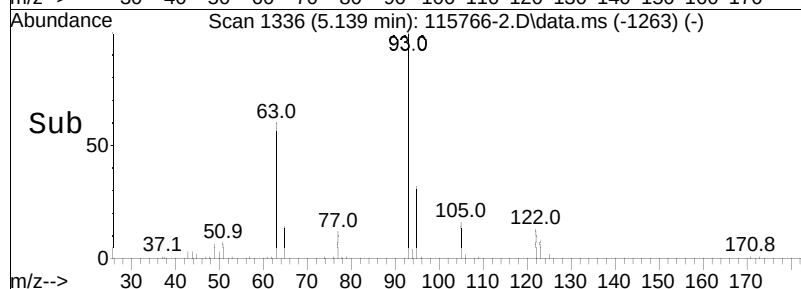
Delta R.T. -0.022 min

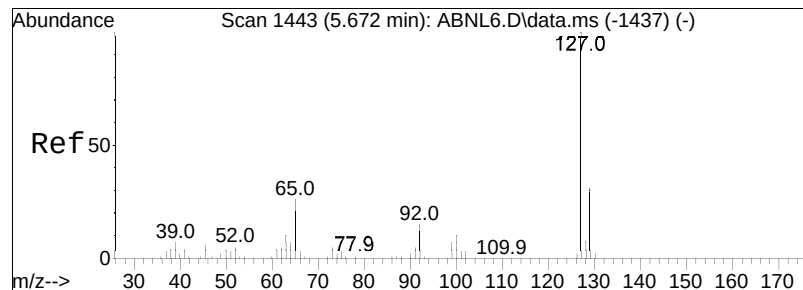
Lab File: 115766-2.D

Acq: 17 Sep 2025 11:36 am



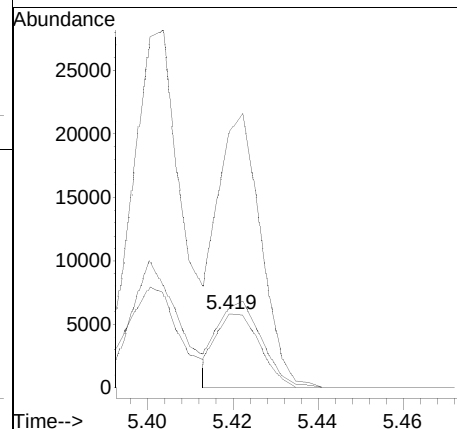
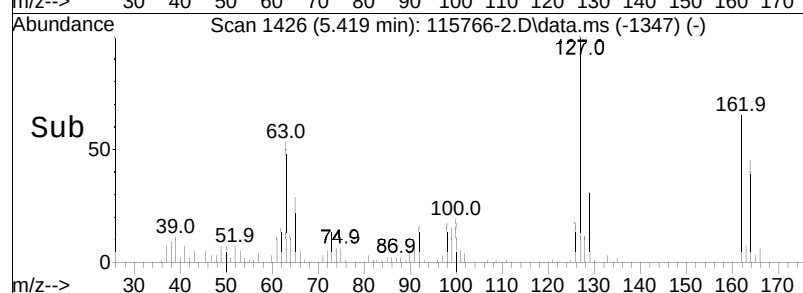
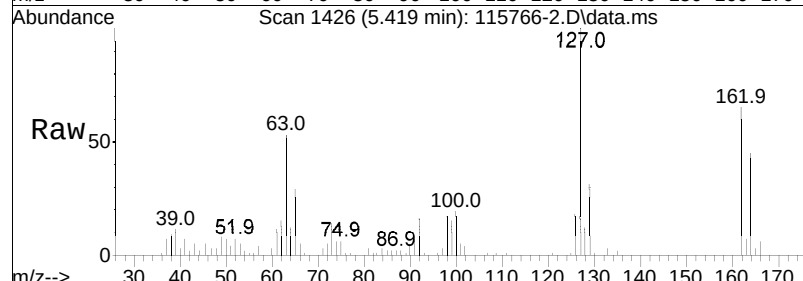
Tgt Ion:	105	Resp:	5936
Ion Ratio	Lower	Upper	
105	100		
122	87.6	59.9	89.9
77	76.5	60.1	90.1

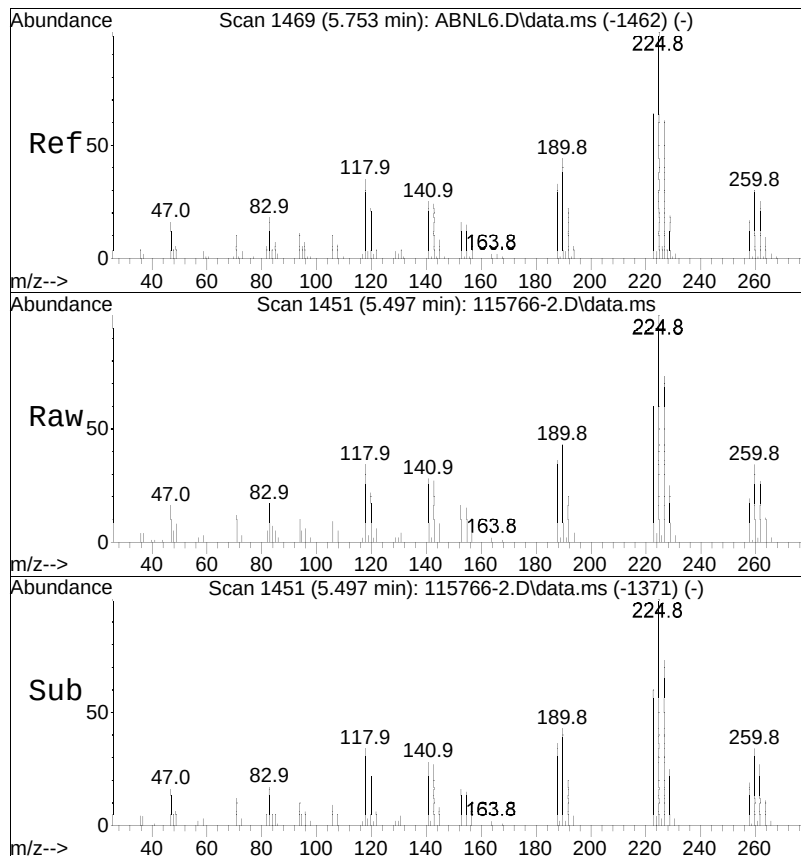




#38
 4-Chloroaniline
 Concen: 0.69 ug/ml M3
 RT: 5.419 min Scan# 1426
 Delta R.T. -0.003 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

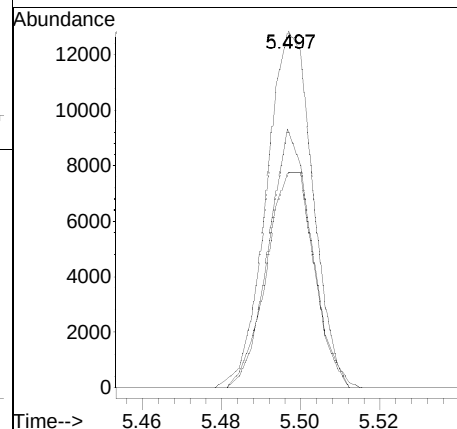
Tgt Ion	Ratio	Lower	Upper
65	100		
127	553.2	237.6	356.4#
129	187.8	76.3	114.5#

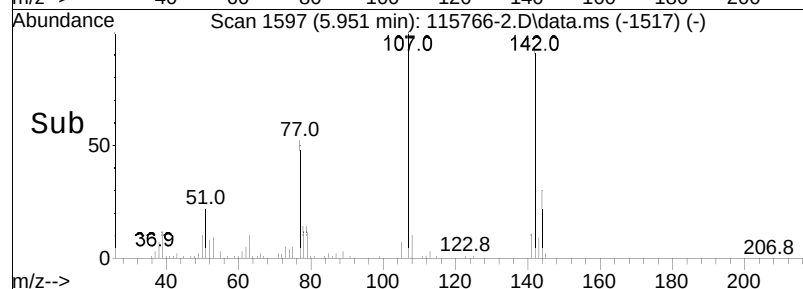
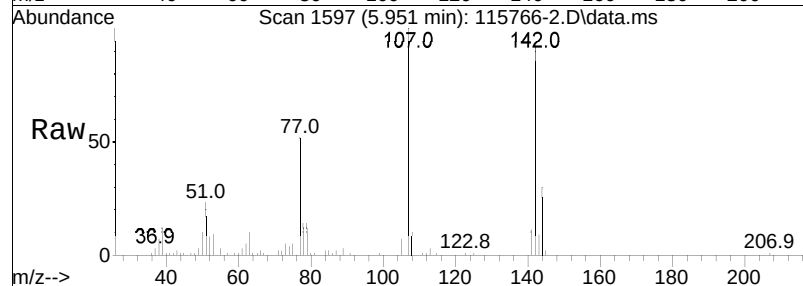
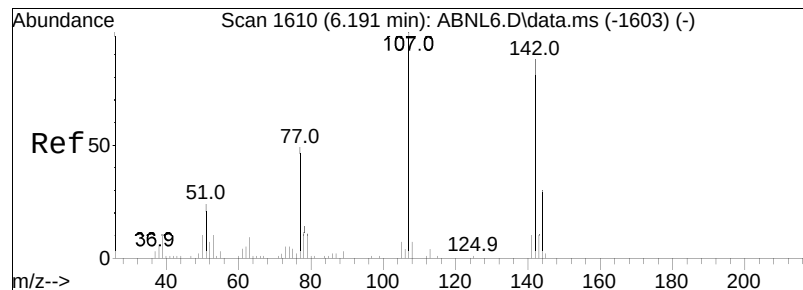




#39
 Hexachlorobutadiene
 Concen: 1.01 ug/ml
 RT: 5.497 min Scan# 1451
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

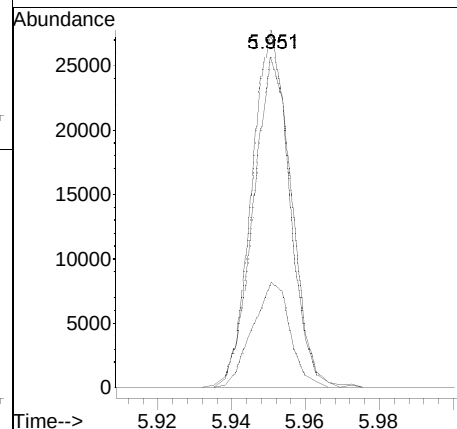
Tgt	Ion:225	Resp:	10459
Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.3	75.5
227	67.0	52.2	78.2

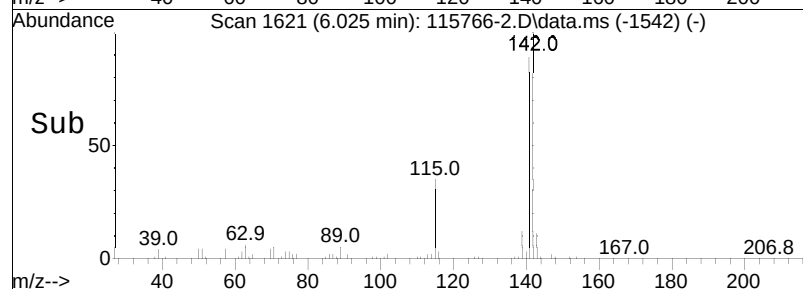
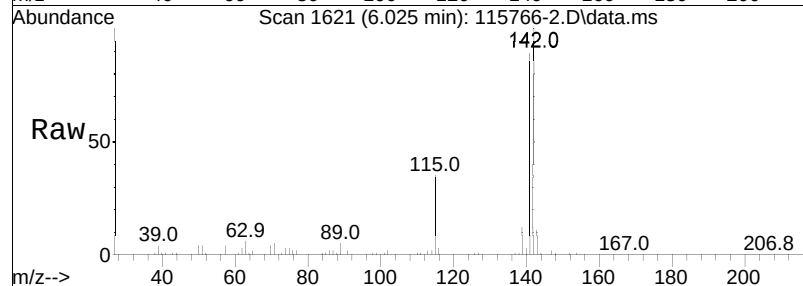
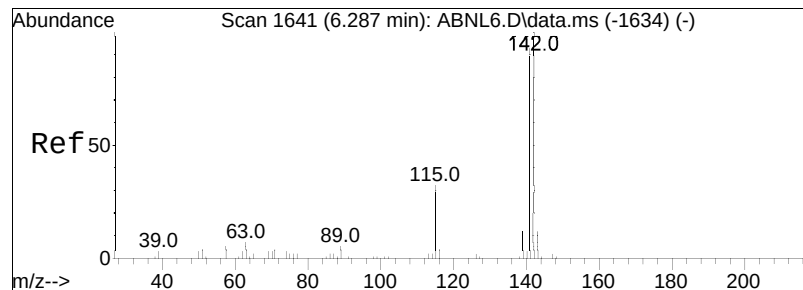




#40
 p-Chloro-m-cresol
 Concen: 1.37 ug/ml
 RT: 5.951 min Scan# 1597
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

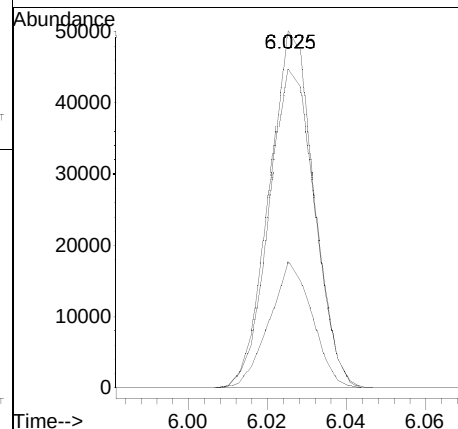
Tgt Ion:	107	Resp:	20069
Ion Ratio	Lower	Upper	
107	100		
144	28.8	20.9	31.3
142	89.3	66.1	99.1

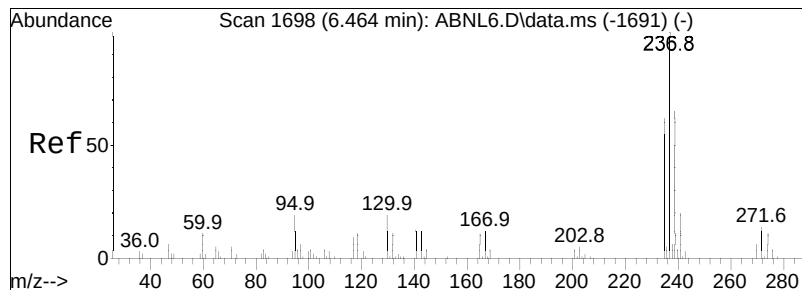




#41
 2-Methylnaphthalene
 Concen: 1.19 ug/ml
 RT: 6.025 min Scan# 1621
 Delta R.T. -0.003 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

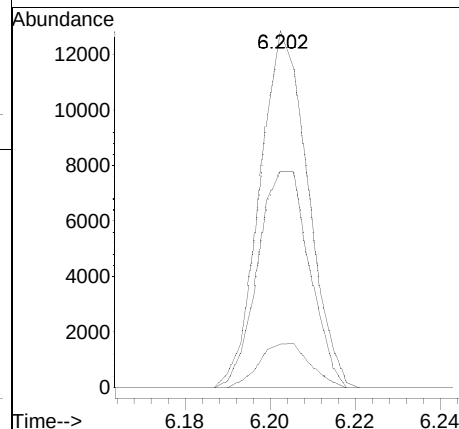
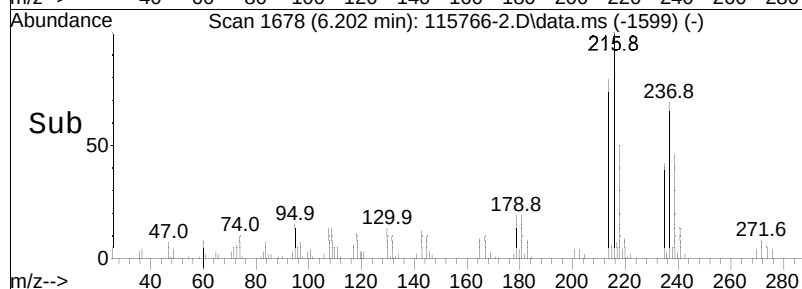
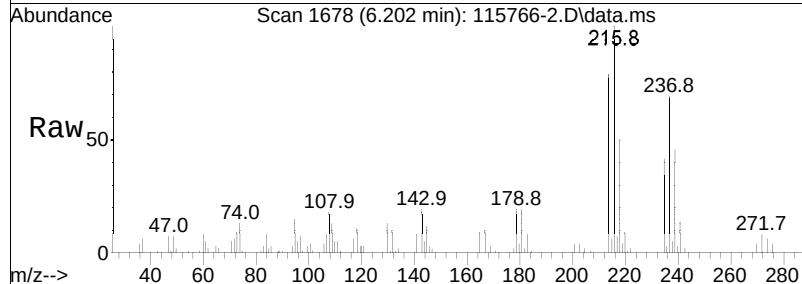
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	39397		
141	91.6		69.6	104.4
115	33.9		26.6	40.0

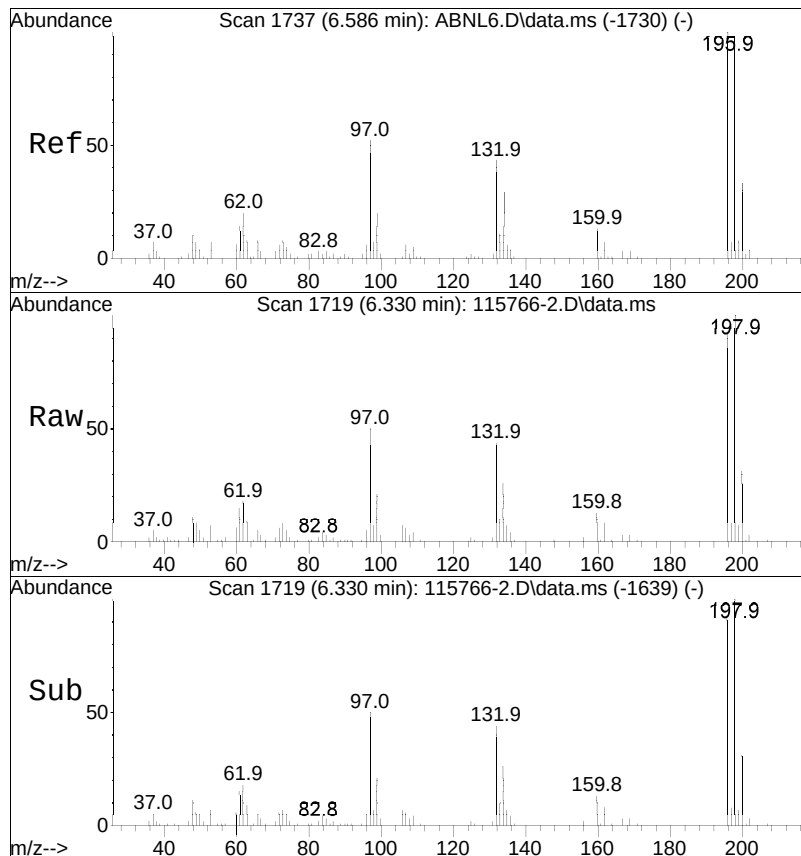




#43
 Hexachlorocyclopentadiene
 Concen: 0.77 ug/ml
 RT: 6.202 min Scan# 1678
 Delta R.T. -0.003 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

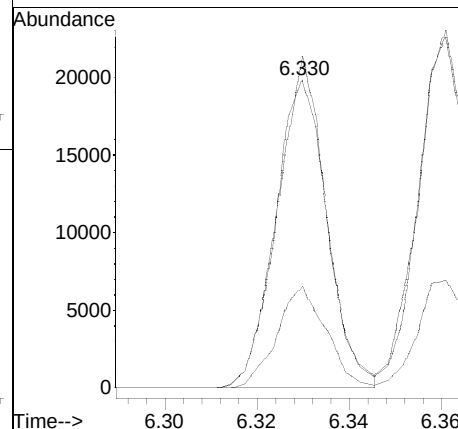
Tgt Ion:	237	Resp:	10075
Ion Ratio	Lower	Upper	
237	100		
235	65.1	49.7	74.5
272	13.1	9.8	14.6

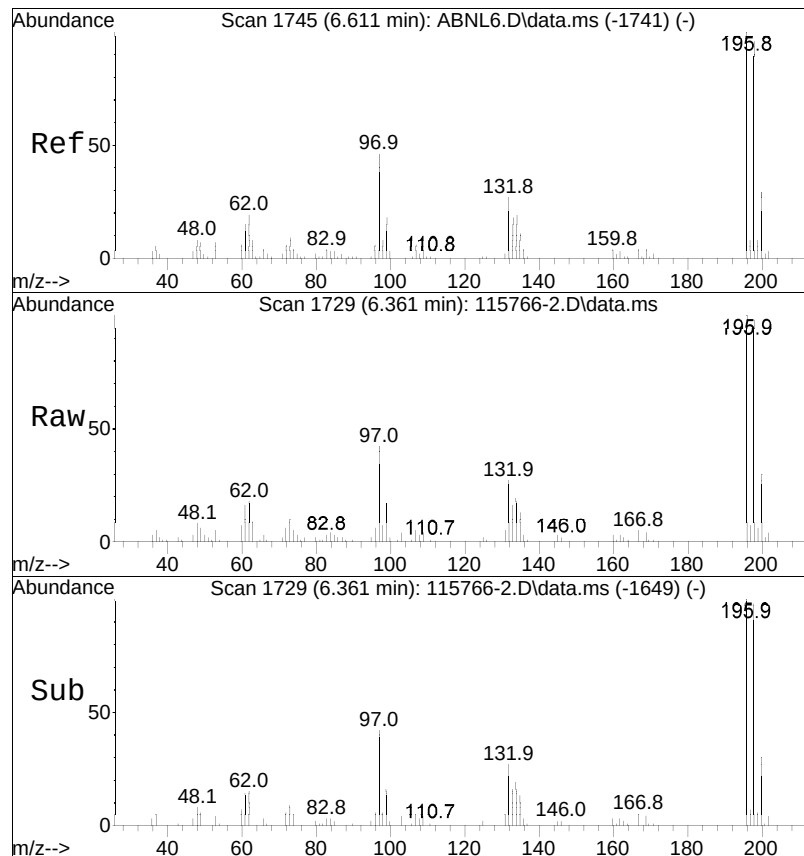




#44
 2,4,6-Trichlorophenol
 Concen: 1.40 ug/ml
 RT: 6.330 min Scan# 1719
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

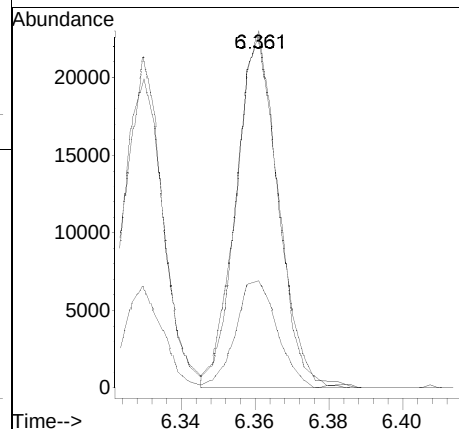
Tgt Ion:	196	Resp:	15493
Ion Ratio	Lower	Upper	
196	100		
198	101.1	77.5	116.3
200	31.3	23.8	35.6

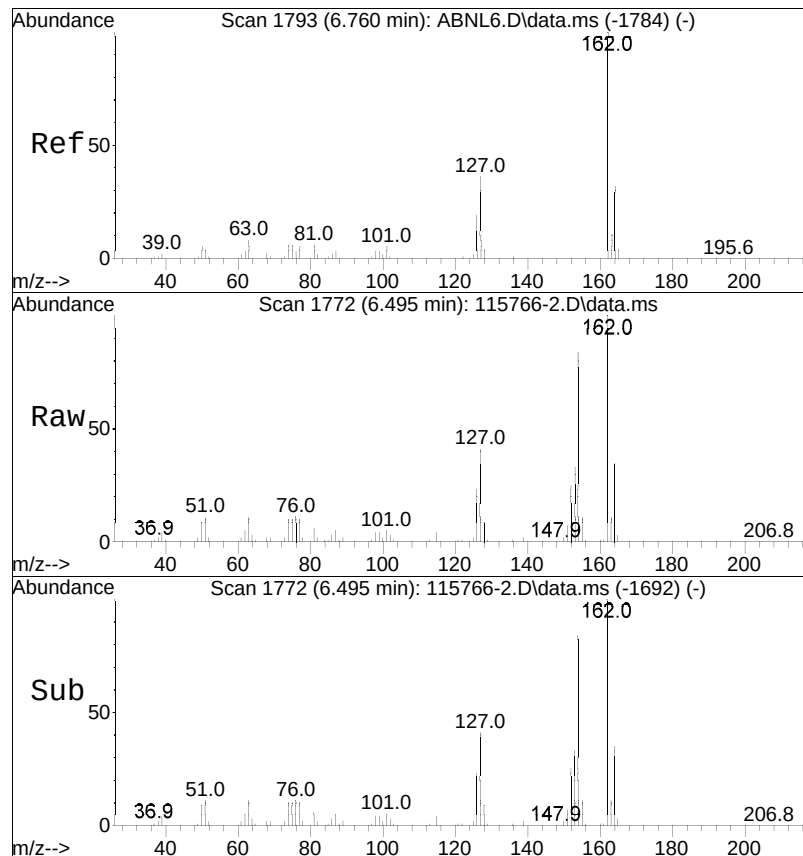




#45
 2,4,5-Trichlorophenol
 Concen: 1.47 ug/ml
 RT: 6.361 min Scan# 1729
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

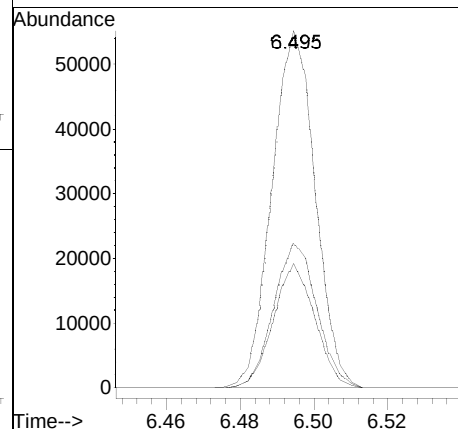
Tgt Ion:	196	Resp:	18213
Ion Ratio	Lower	Upper	
196	100		
200	30.1	25.4	38.0
198	97.5	78.0	117.0

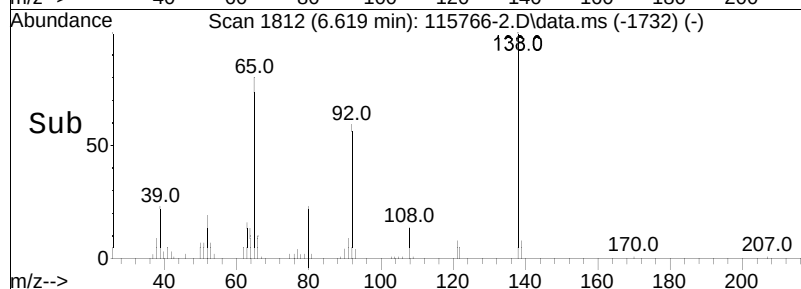
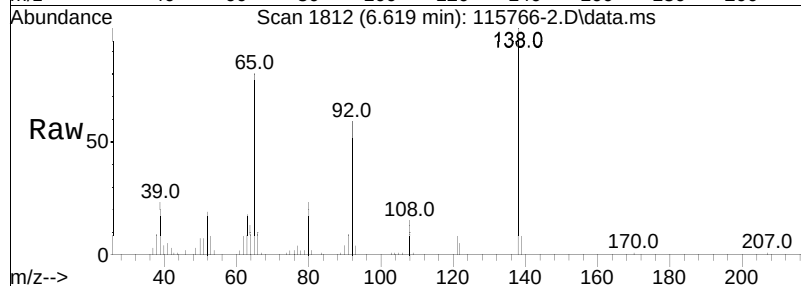
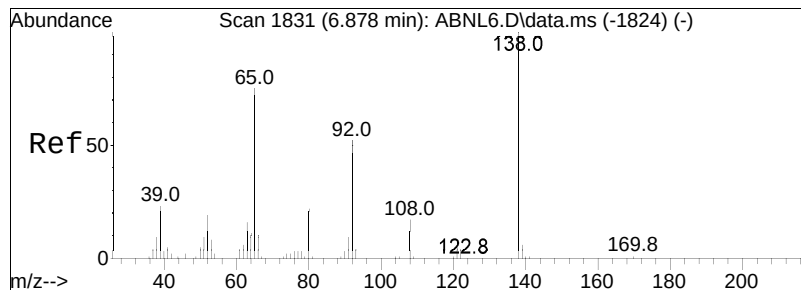




#47
 2-Chloronaphthalene
 Concen: 1.19 ug/ml
 RT: 6.495 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

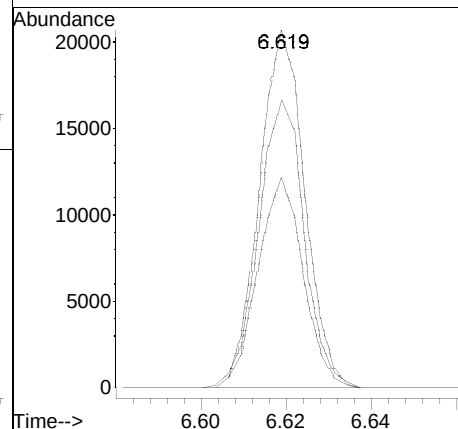
Tgt Ion:	162	Resp:	44630
Ion Ratio	Lower	Upper	
162	100		
127	40.6	32.2	48.4
164	33.5	25.7	38.5

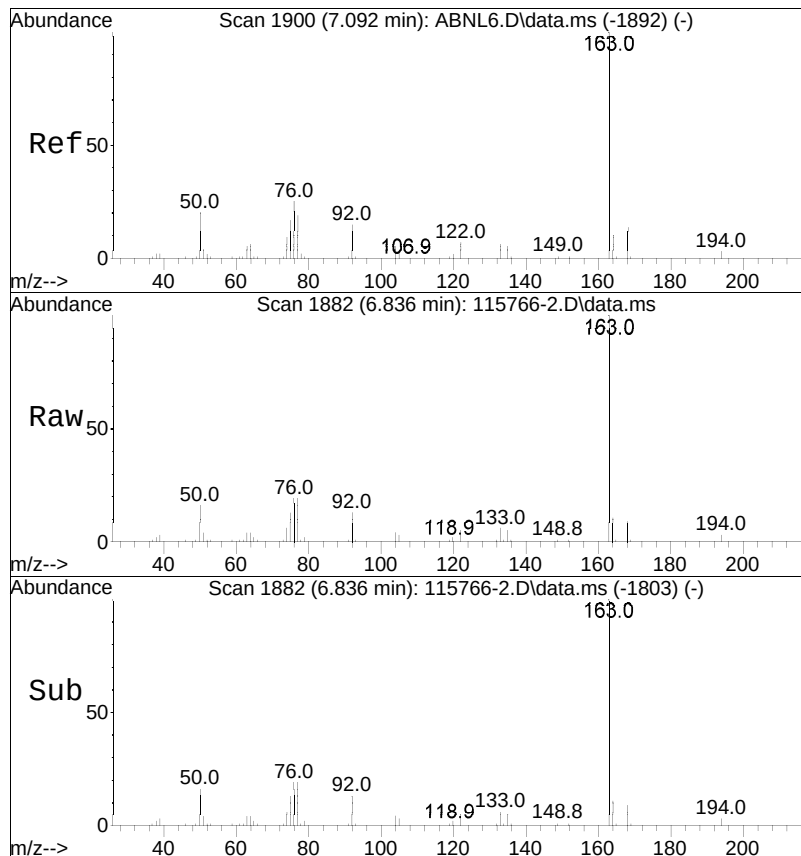




#48
 2-Nitroaniline
 Concen: 1.42 ug/ml
 RT: 6.619 min Scan# 1812
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

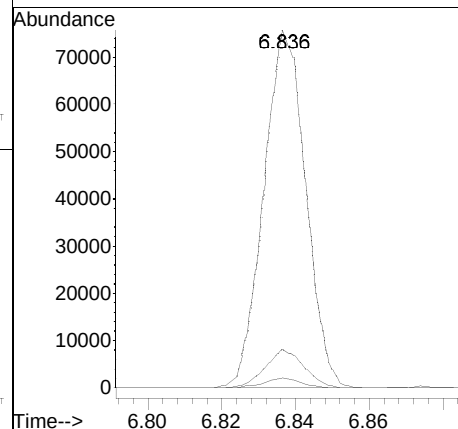
Tgt Ion:	138	Resp:	15190
Ion Ratio	Lower	Upper	
138	100		
92	58.7	53.5	80.3
65	81.0	86.3	129.5#

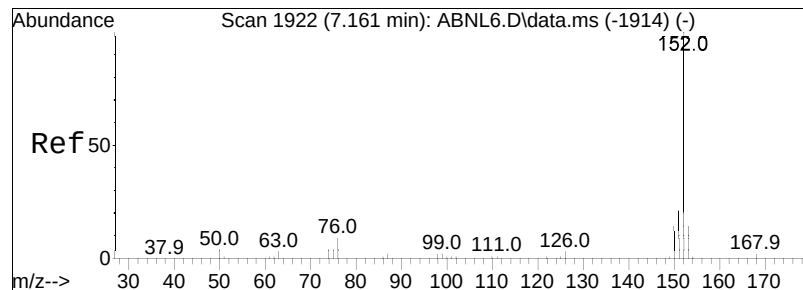




#51
 Dimethyl phthalate
 Concen: 1.33 ug/ml
 RT: 6.836 min Scan# 1882
 Delta R.T. -0.003 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.6	3.5	5.3#
164	10.1	7.9	11.9





#52

Acenaphthylene

Concen: 1.26 ug/ml

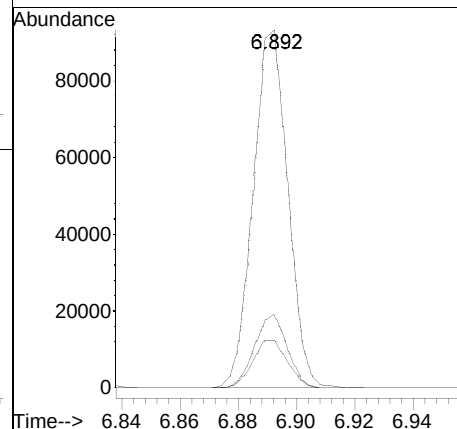
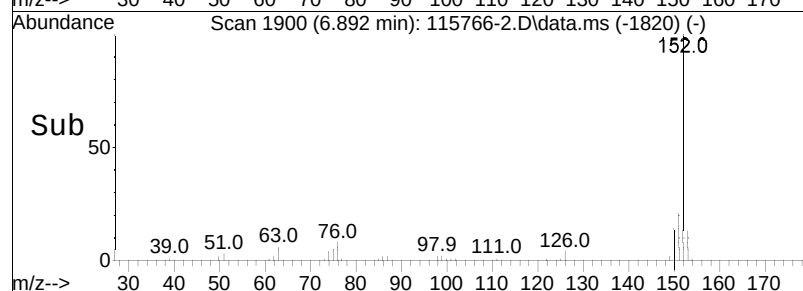
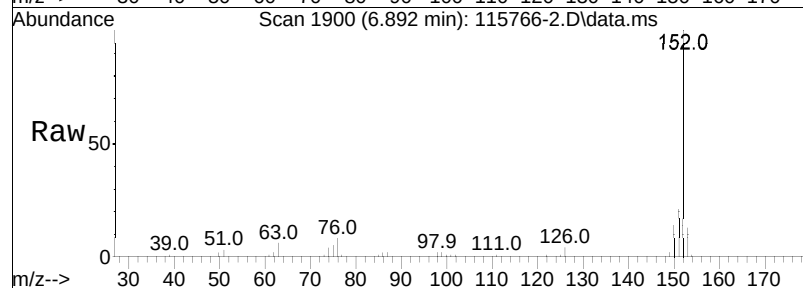
RT: 6.892 min Scan# 1900

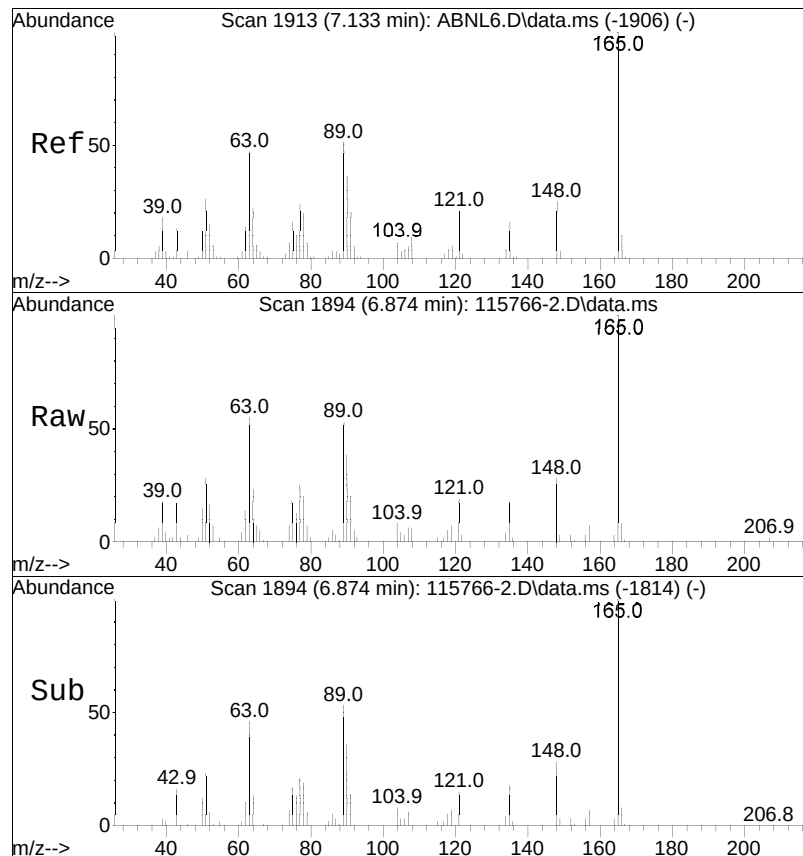
Delta R.T. 0.000 min

Lab File: 115766-2.D

Acq: 17 Sep 2025 11:36 am

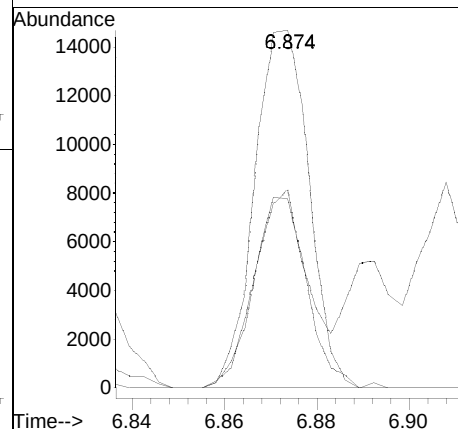
Tgt Ion:	152	Resp:	76310
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.8	23.6
153	13.5	10.5	15.7

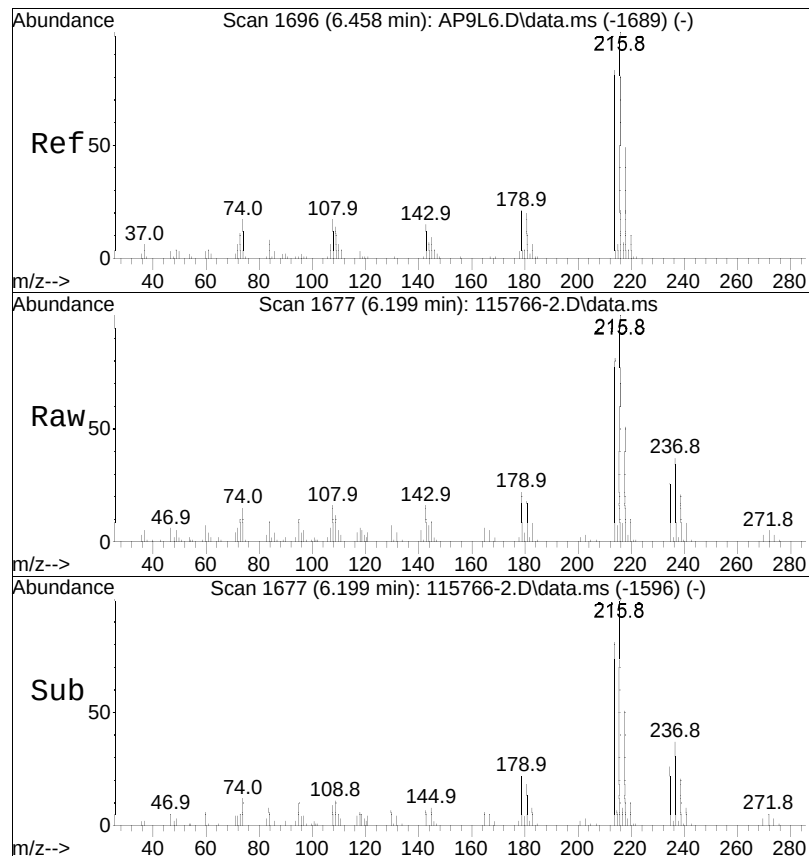




#53
 2,6-Dinitrotoluene
 Concen: 1.39 ug/ml
 RT: 6.874 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

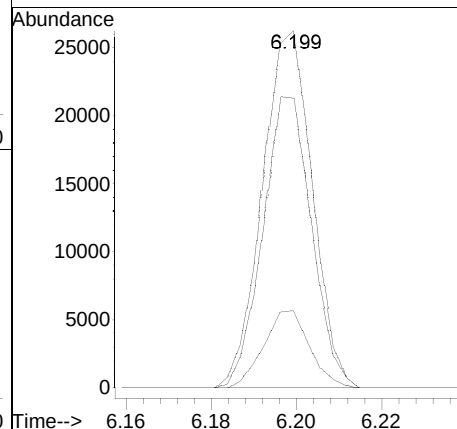
Tgt Ion:	165	Resp:	12000
Ion Ratio	Lower	Upper	
165	100		
89	52.7	54.2	81.2#
63	55.2	64.2	96.2#

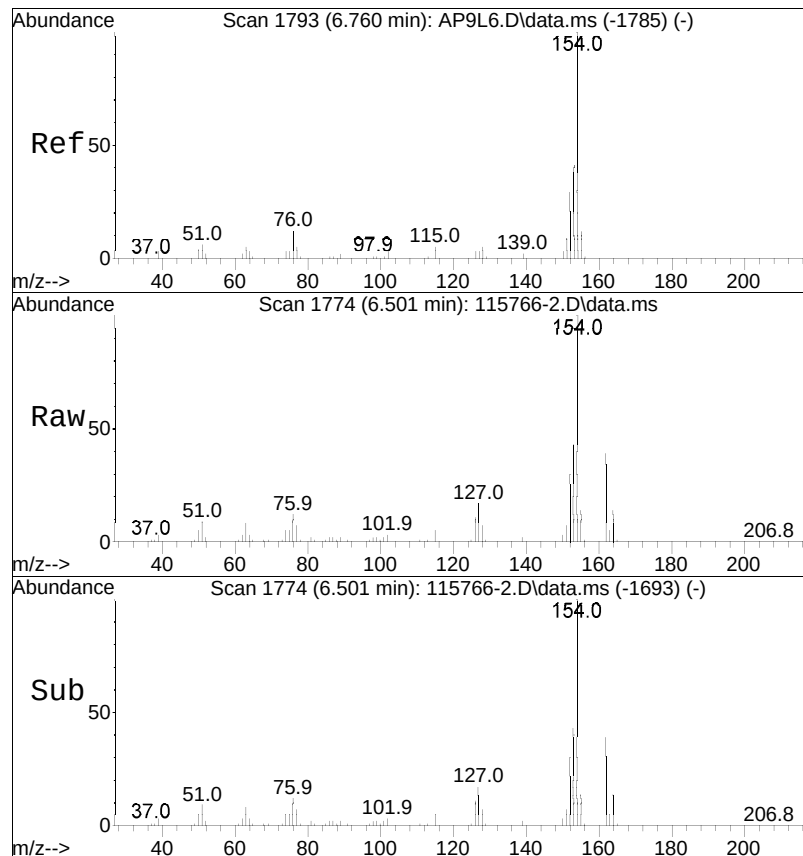




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.11 ug/ml
 RT: 6.199 min Scan# 1677
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

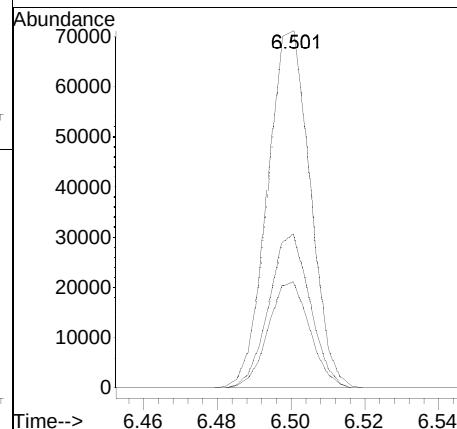
Tgt Ion:	216	Resp:	21340
Ion Ratio	Lower	Upper	
216	100		
214	79.4	63.7	95.5
179	20.0	19.0	28.6

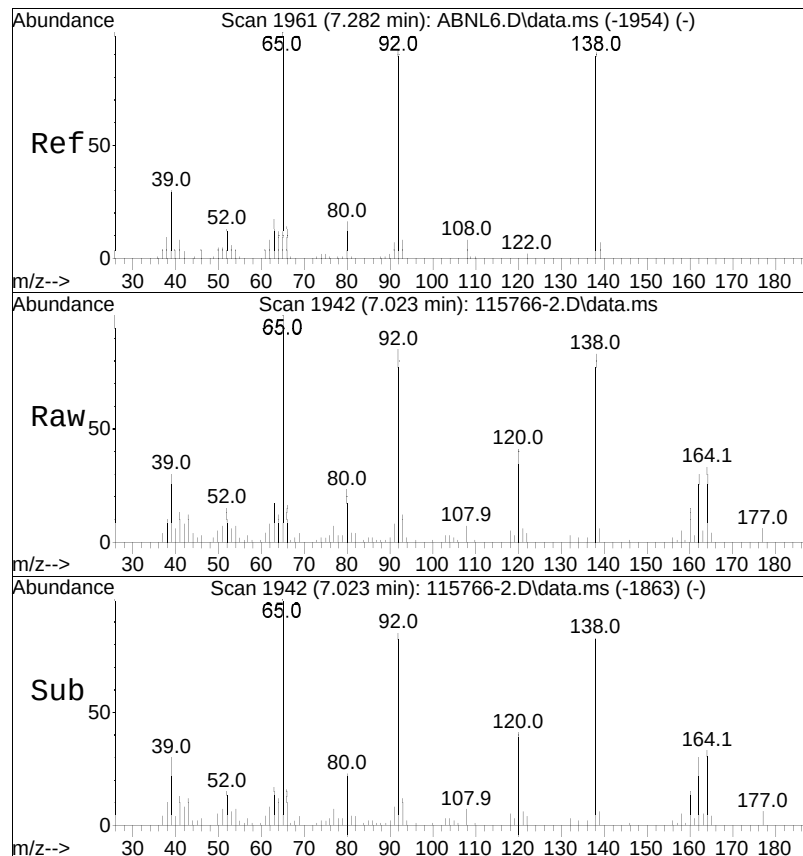




#62
 Biphenyl
 Concen: 1.18 ug/ml
 RT: 6.501 min Scan# 1774
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

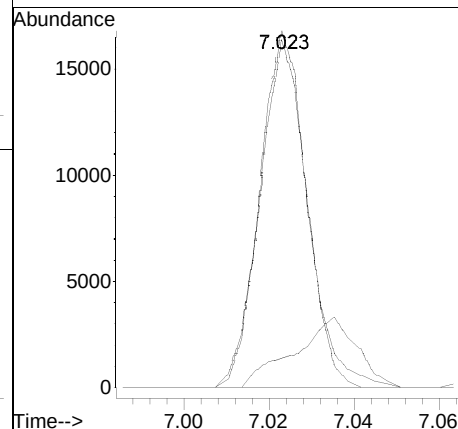
Tgt Ion:	154	Resp:	56916
Ion Ratio	Lower	Upper	
154	100		
153	41.6	32.3	48.5
152	29.1	22.5	33.7

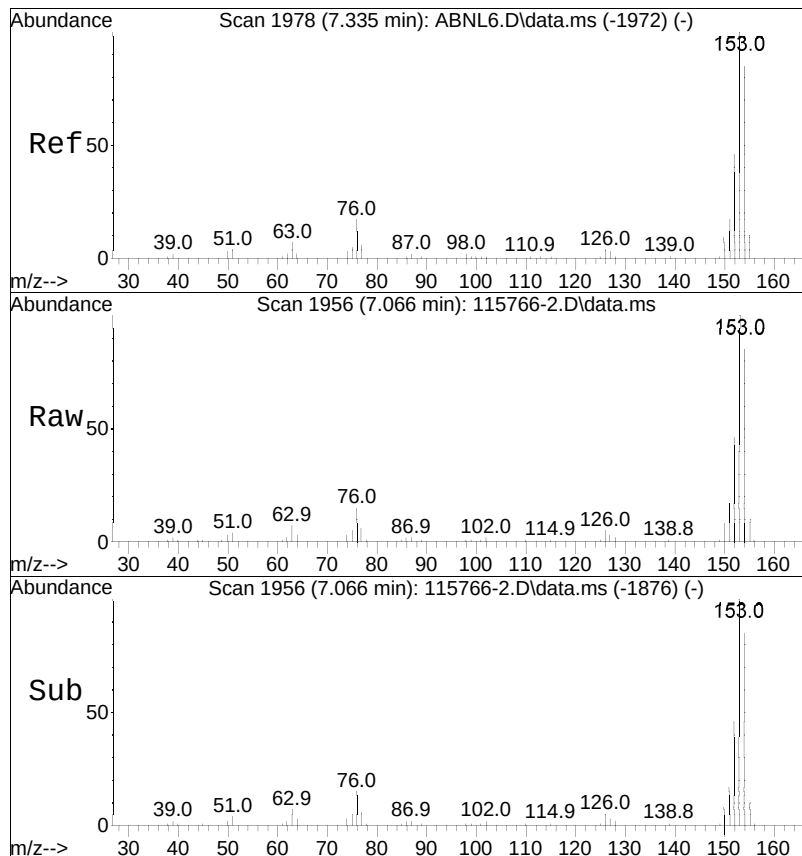




#64
 3-Nitroaniline
 Concen: 1.18 ug/ml
 RT: 7.023 min Scan# 1942
 Delta R.T. -0.003 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

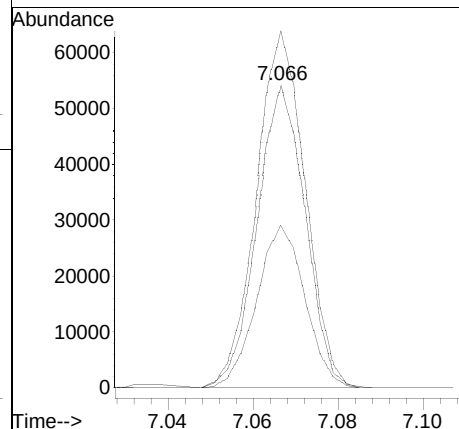
Tgt Ion:	138	Resp:	12249
Ion Ratio	Lower	Upper	
138	100		
92	106.8	93.4	140.2
108	27.6	9.5	14.3#

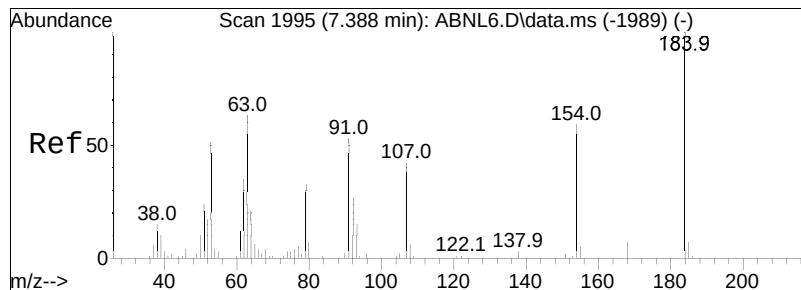




#65
 Acenaphthene
 Concen: 1.23 ug/ml
 RT: 7.066 min Scan# 1956
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

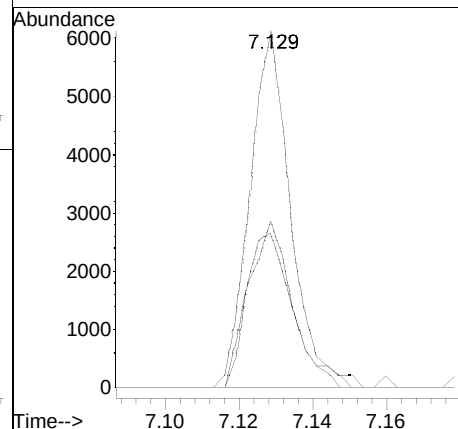
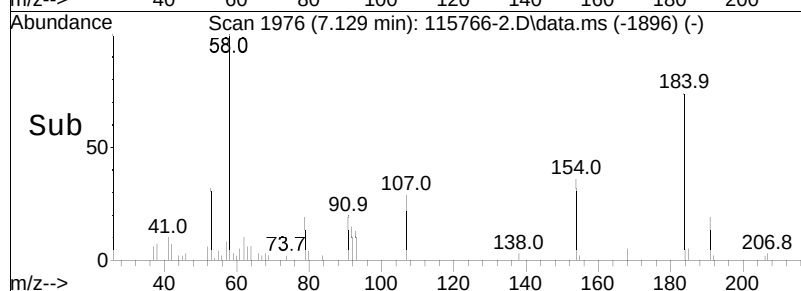
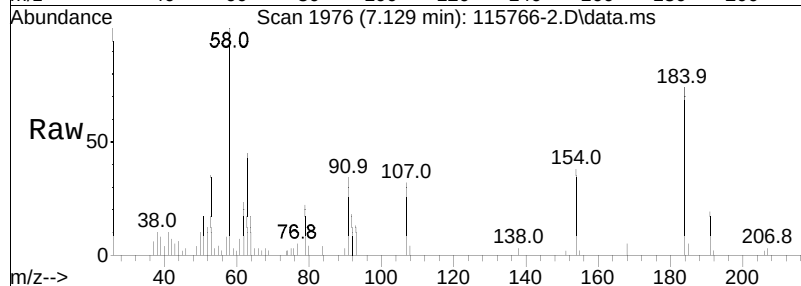
Tgt Ion	Ratio	Lower	Upper
154	100		
153	120.0	85.3	127.9
152	54.1	41.4	62.0

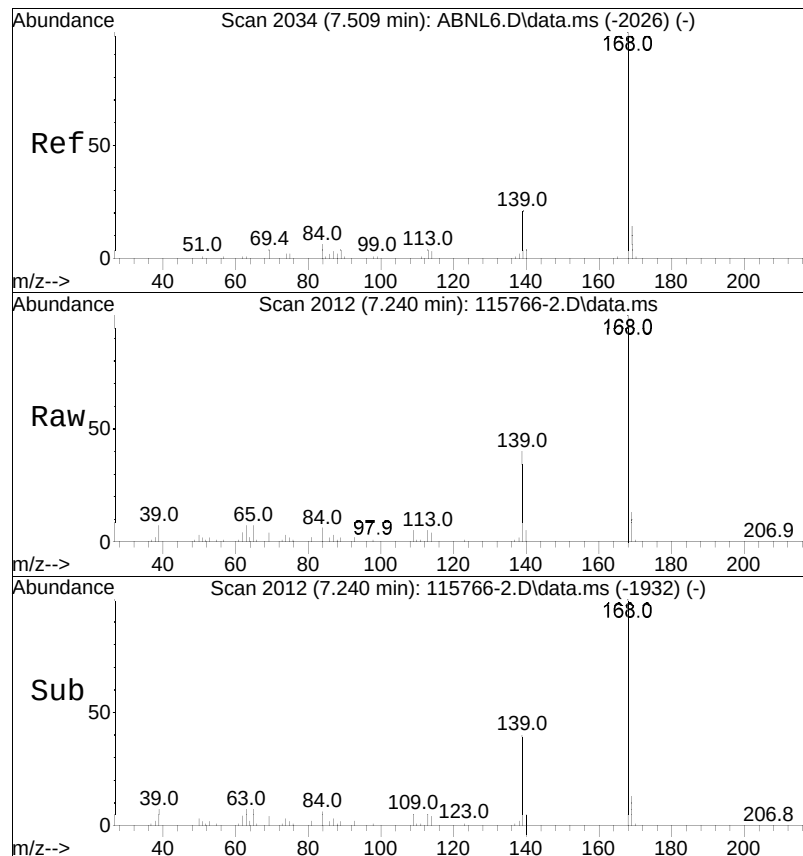




#66
 2,4-Dinitrophenol
 Concen: 0.93 ug/ml
 RT: 7.129 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

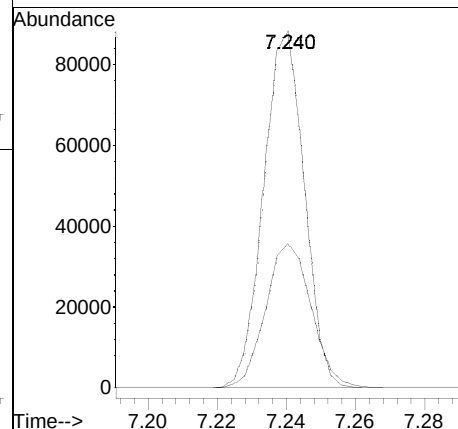
Tgt Ion	Ratio	Lower	Upper
184	100		
107	48.4	37.7	56.5
91	51.2	46.3	69.5

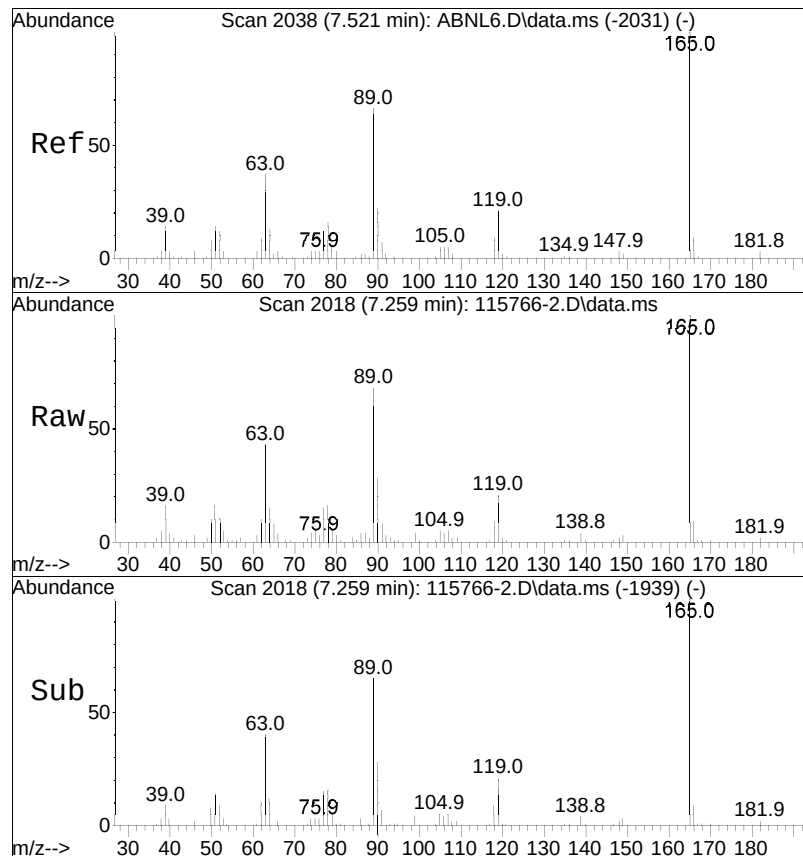




#67
 Dibenzofuran
 Concen: 1.28 ug/ml
 RT: 7.240 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

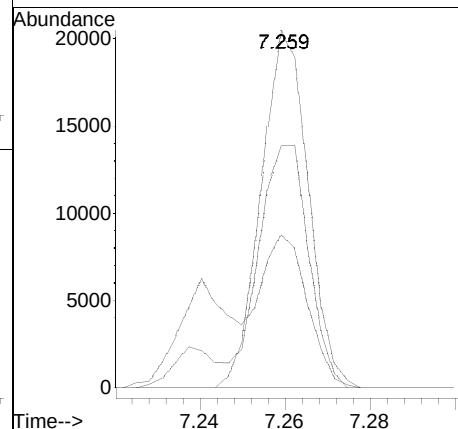
Tgt Ion	Ratio	Lower	Upper
168	100		
139	45.5	31.4	47.2

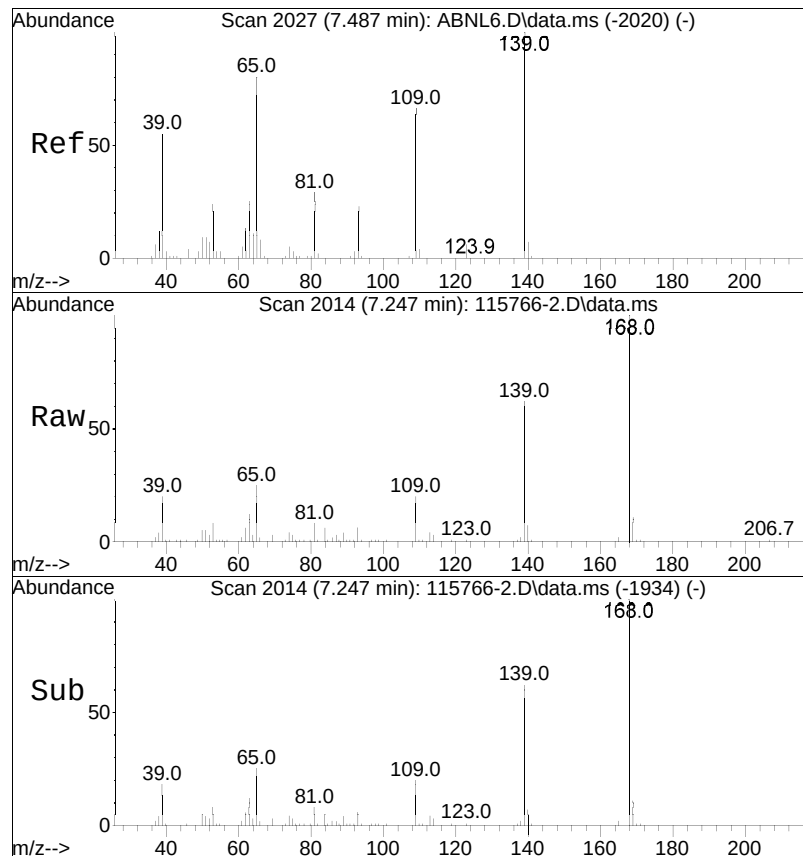




#68
 2,4-Dinitrotoluene
 Concen: 1.34 ug/ml
 RT: 7.259 min Scan# 2018
 Delta R.T. -0.003 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

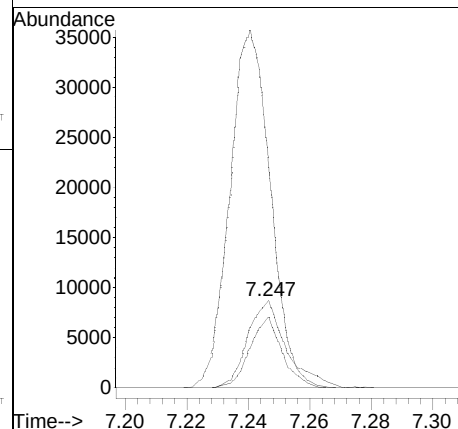
Tgt Ion:	165	Resp:	15638
Ion Ratio	Lower	Upper	
165	100		
89	71.1	72.0	108.0#
63	43.3	52.7	79.1#

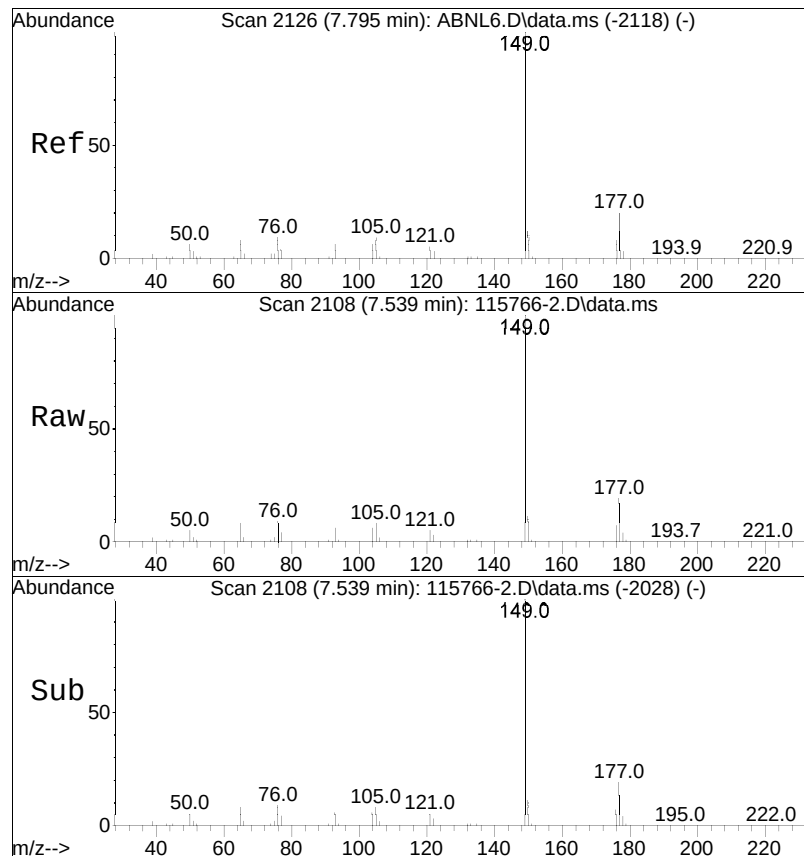




#69
 4-Nitrophenol
 Concen: 1.06 ug/ml
 RT: 7.247 min Scan# 2014
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

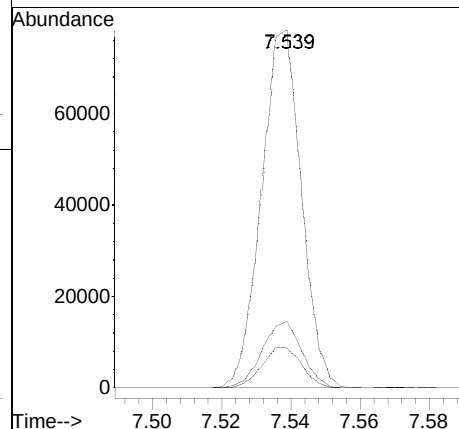
Tgt Ion:	65	Resp:	7658
Ion Ratio	Lower	Upper	
65	100		
109	67.5	47.4	71.2
139	424.6	76.6	115.0#

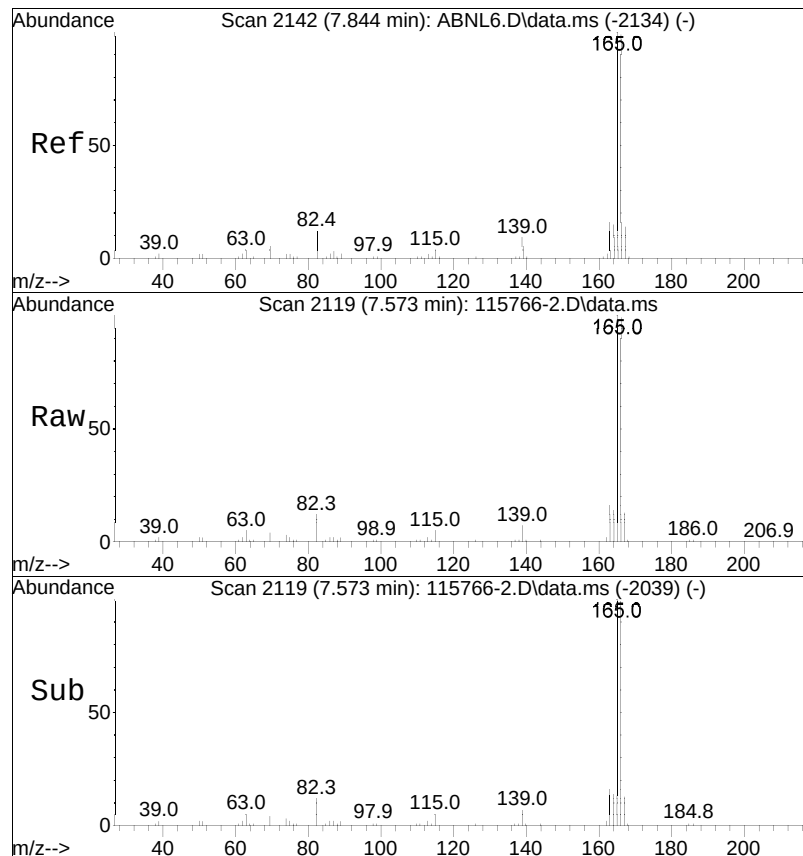




#72
 Diethyl phthalate
 Concen: 1.35 ug/ml
 RT: 7.539 min Scan# 2108
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

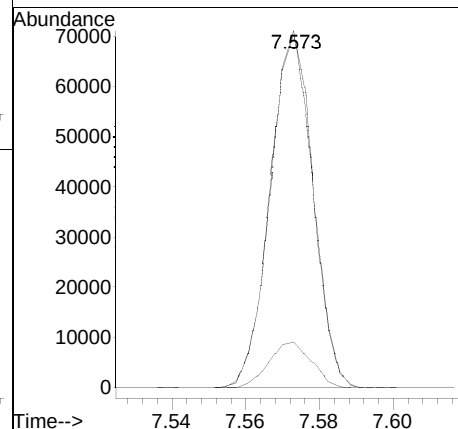
Tgt	Ion:149	Resp:	62143
Ion	Ratio	Lower	Upper
149	100		
177	18.6	16.1	24.1
150	11.4	9.4	14.2

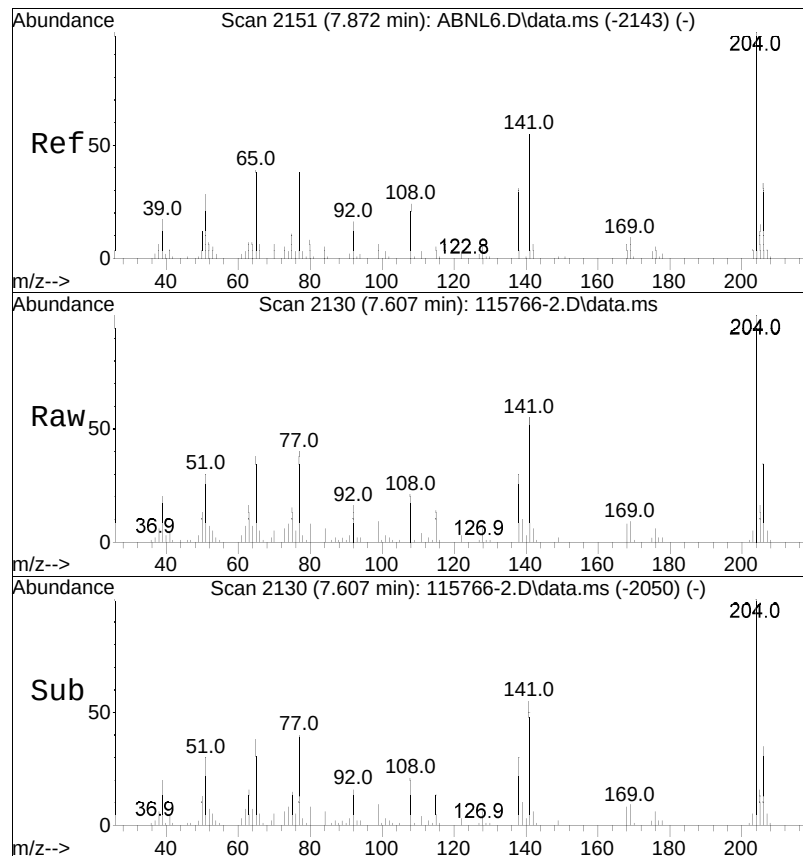




#73
 Fluorene
 Concen: 1.30 ug/ml
 RT: 7.573 min Scan# 2119
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

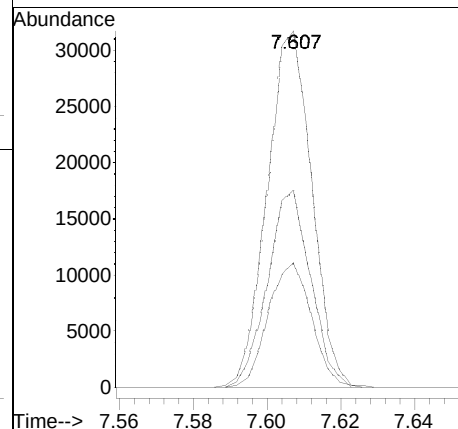
Tgt Ion:	166	Resp:	57125
Ion Ratio	Lower	Upper	
166	100		
165	99.4	76.2	114.2
167	13.0	10.6	15.8

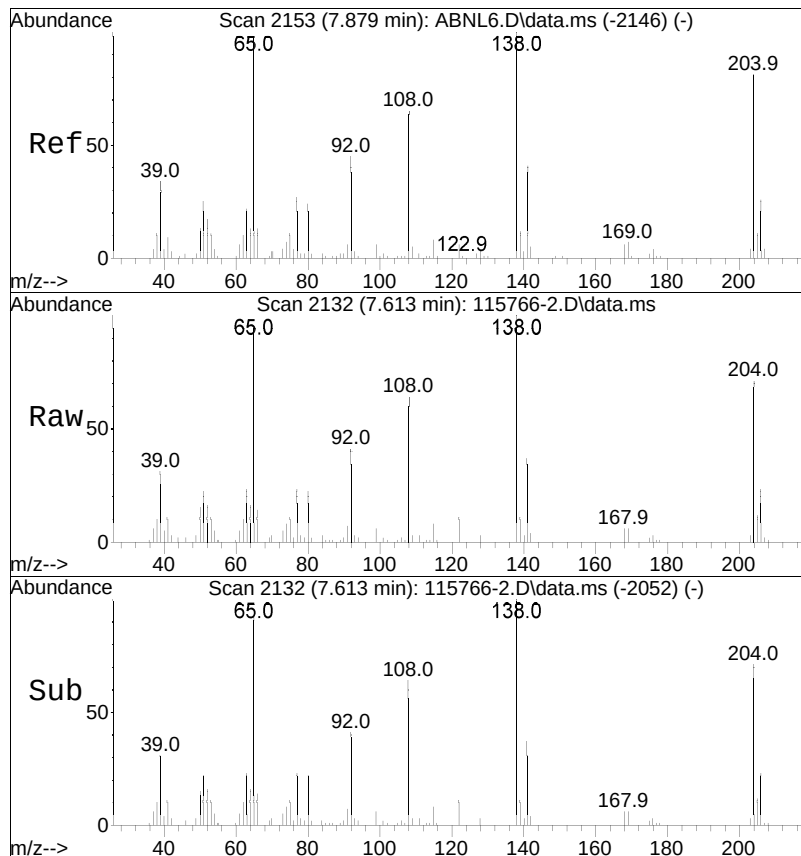




#74
 4-Chlorophenyl phenyl ether
 Concen: 1.27 ug/ml
 RT: 7.607 min Scan# 2130
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

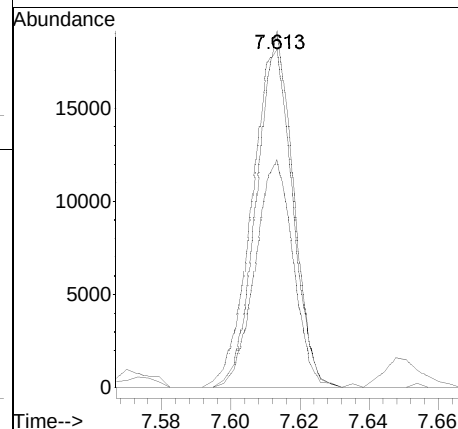
Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.3	25.8	38.6
141	53.6	53.6	80.4

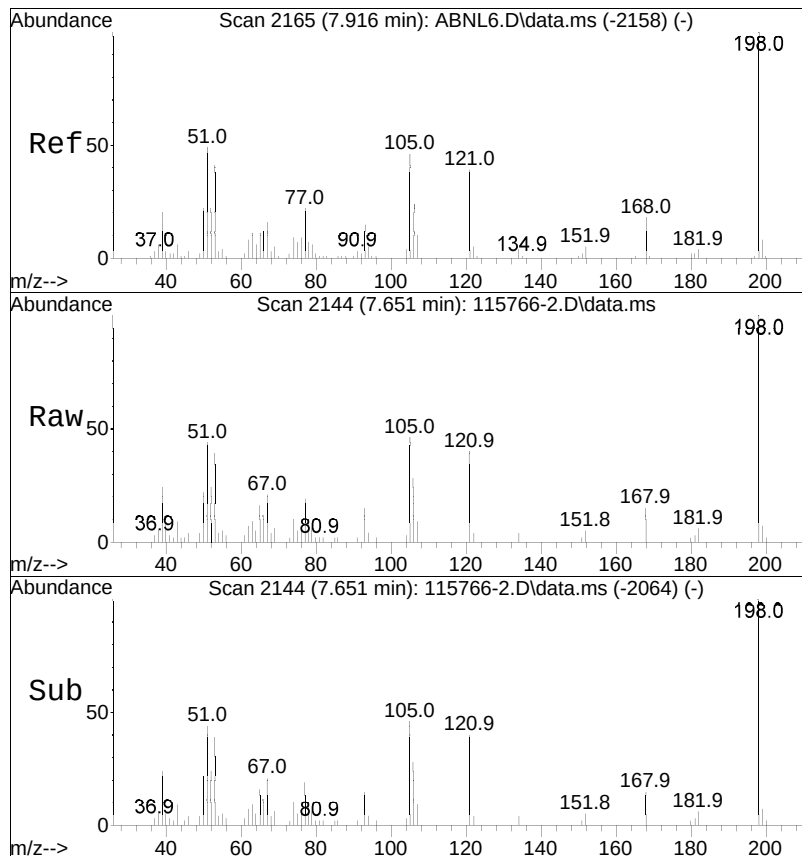




#75
 4-Nitroaniline
 Concen: 1.37 ug/ml
 RT: 7.613 min Scan# 2132
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

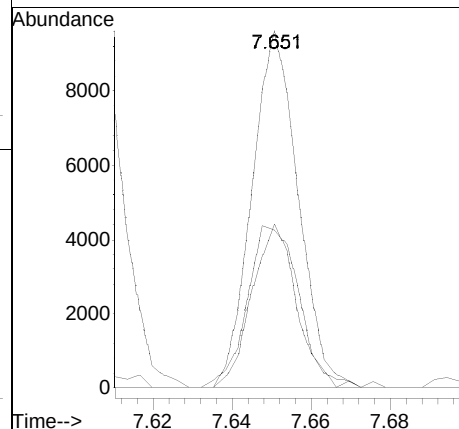
Tgt Ion	Ratio	Lower	Upper
138	100		
108	66.2	52.1	78.1
65	106.3	115.0	172.6#

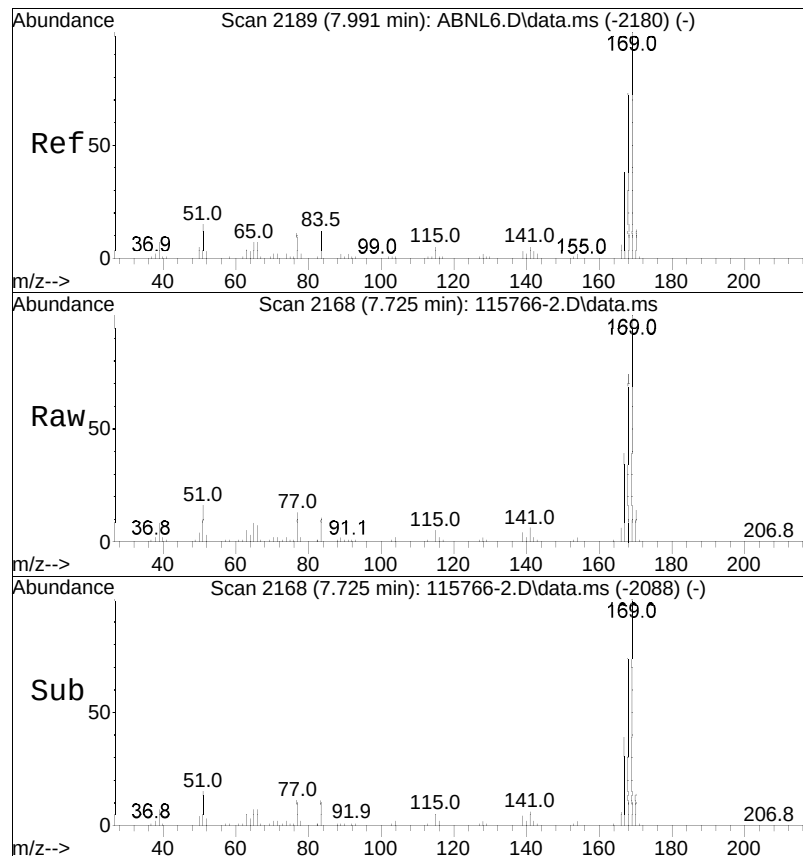




#76
 4,6-Dinitro-o-cresol
 Concen: 1.20 ug/ml
 RT: 7.651 min Scan# 2144
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

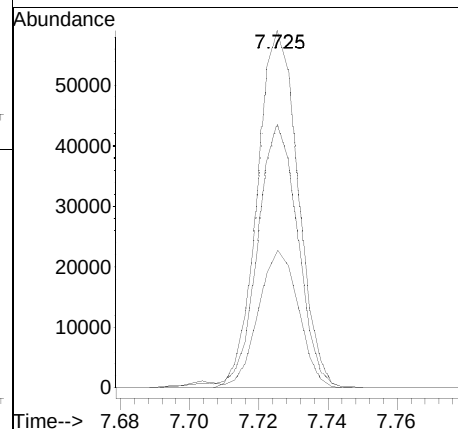
Tgt Ion:	198	Resp:	7814
Ion Ratio	Lower	Upper	
198	100		
51	51.1	76.0	114.0#
105	44.4	45.6	68.4#

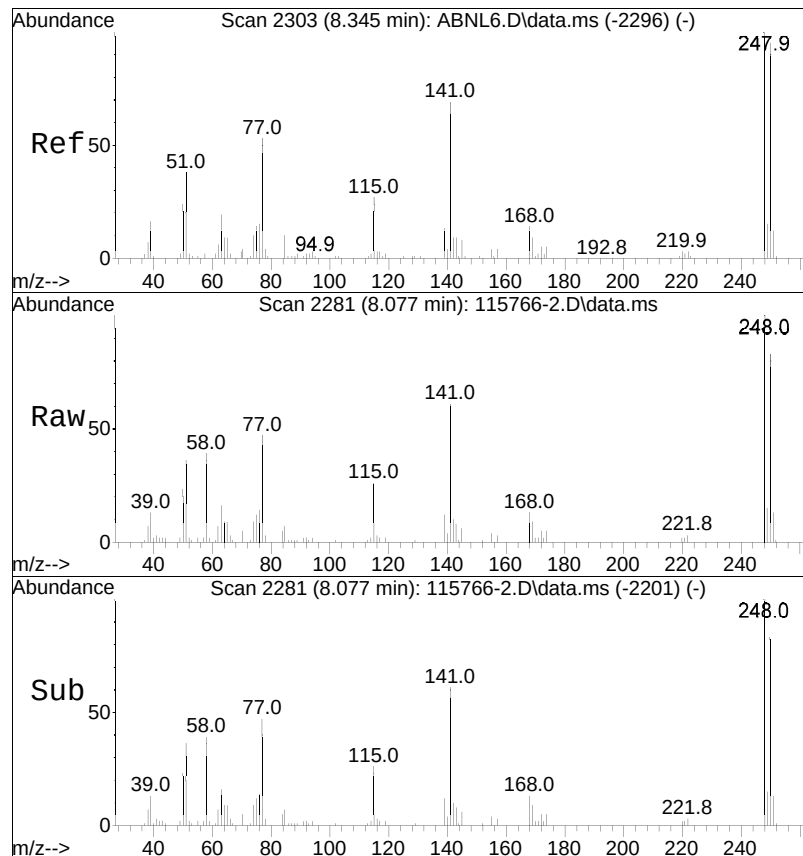




#77
 NDPA/DPA
 Concen: 1.32 ug/ml
 RT: 7.725 min Scan# 2168
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

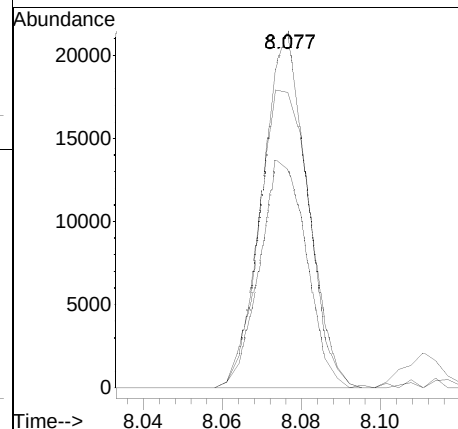
Tgt Ion	Ratio	Lower	Upper
169	100		
168	73.6	54.0	81.0
167	39.0	28.6	42.8

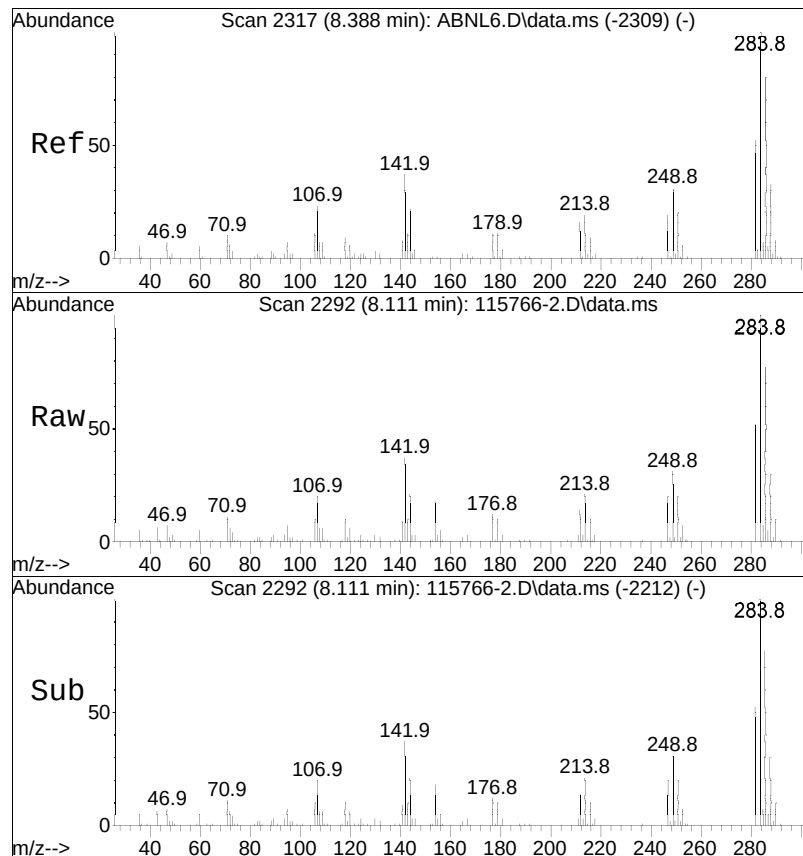




#80
 4-Bromophenyl phenyl ether
 Concen: 1.31 ug/ml
 RT: 8.077 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

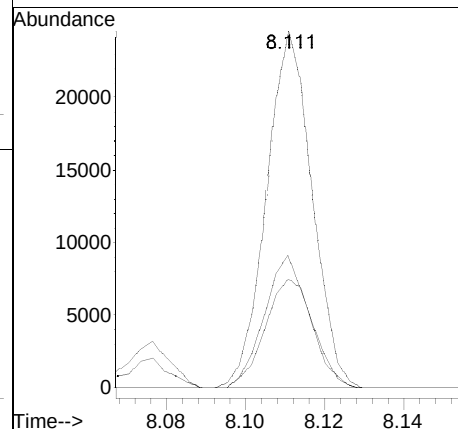
Tgt Ion:	248	Resp:	16915
Ion Ratio	Lower	Upper	
248	100		
141	66.6	76.6	114.8#
250	93.2	77.3	115.9

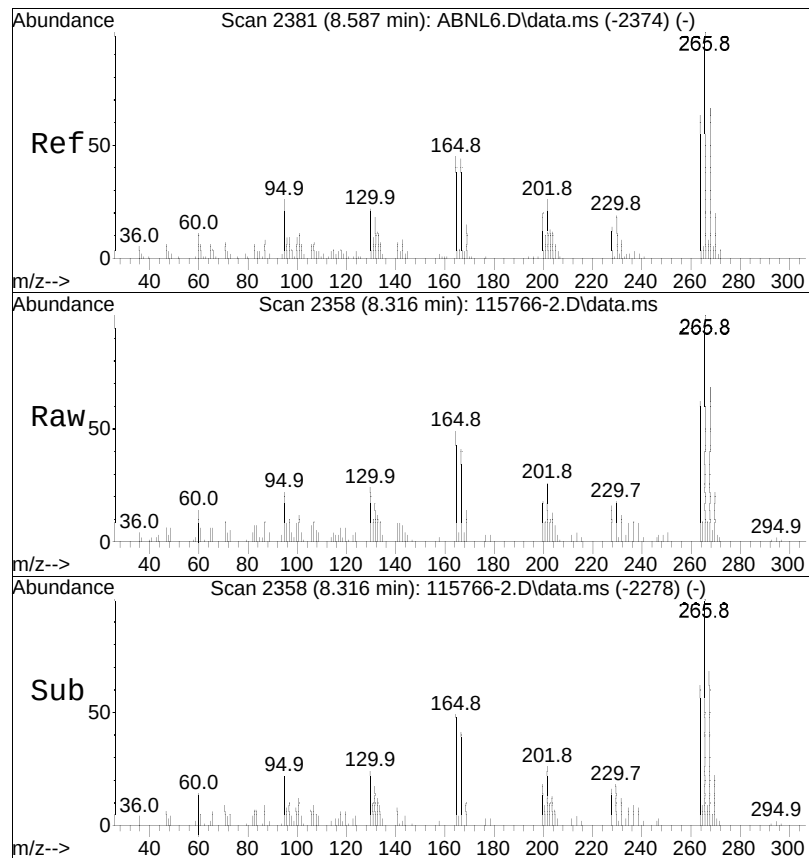




#81
 Hexachlorobenzene
 Concen: 1.36 ug/ml
 RT: 8.111 min Scan# 2292
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

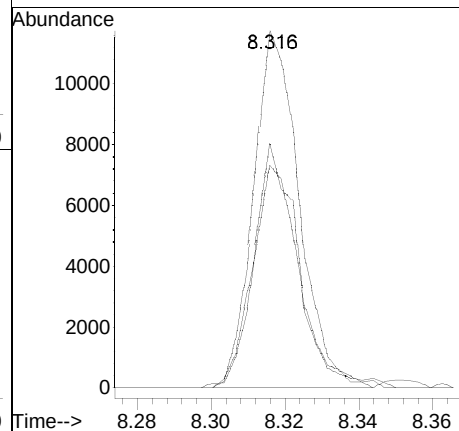
Tgt Ion:	284	Resp:	19579
Ion Ratio	Lower	Upper	
284	100		
142	37.1	41.9	62.9#
249	32.2	24.1	36.1

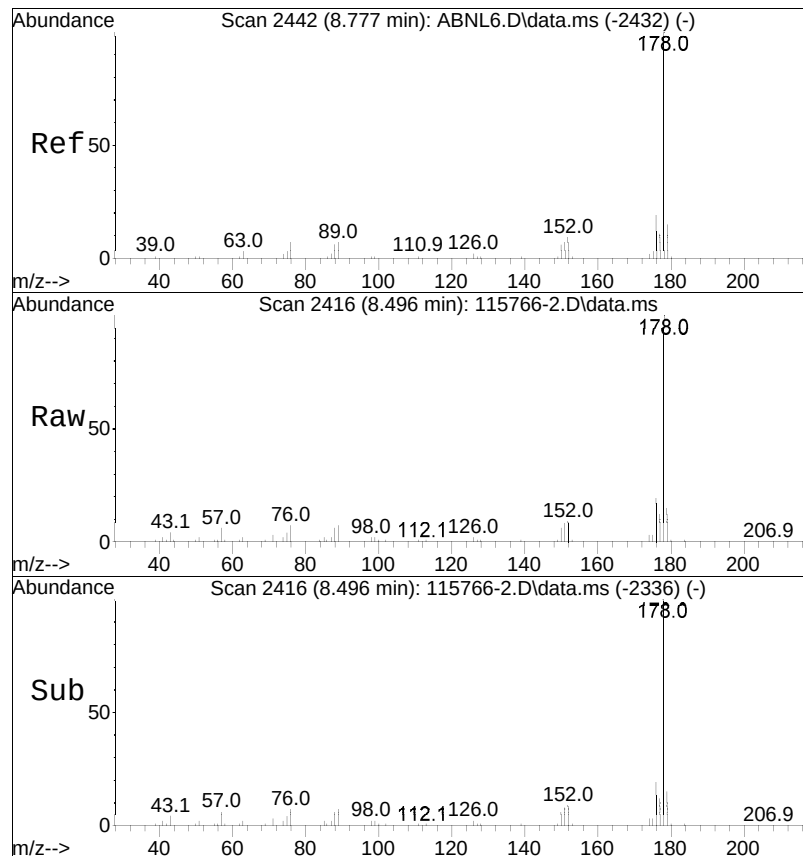




#82
 Pentachlorophenol
 Concen: 1.19 ug/ml
 RT: 8.316 min Scan# 2358
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

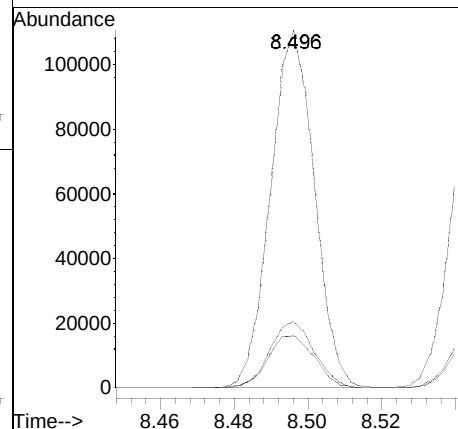
Tgt Ion:	266	Resp:	10095
Ion Ratio	Lower	Upper	
266	100		
264	64.7	49.7	74.5
268	66.6	50.5	75.7

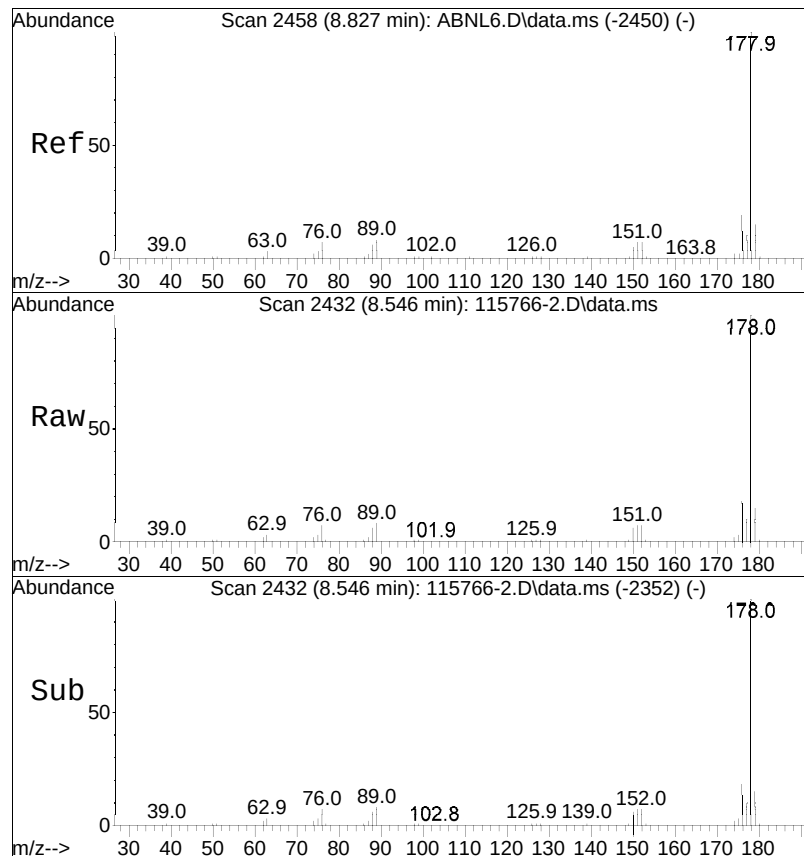




#89
 Phenanthrene
 Concen: 1.24 ug/ml
 RT: 8.496 min Scan# 2416
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

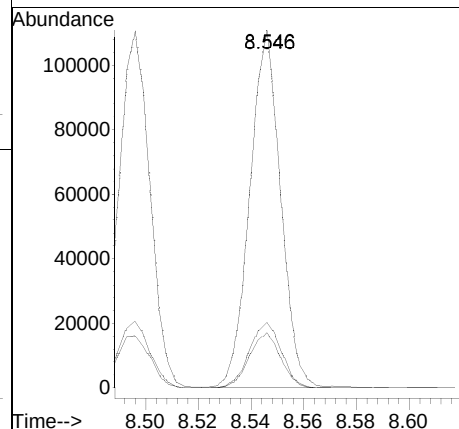
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.2
176	18.8	15.4	23.2

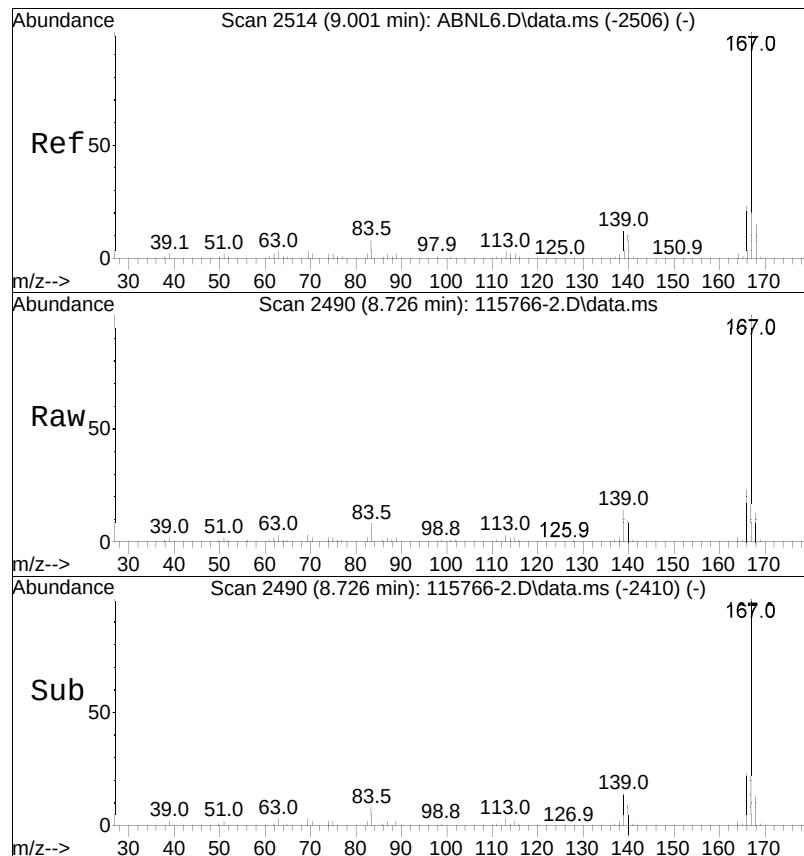




#90
 Anthracene
 Concen: 1.26 ug/ml
 RT: 8.546 min Scan# 2432
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

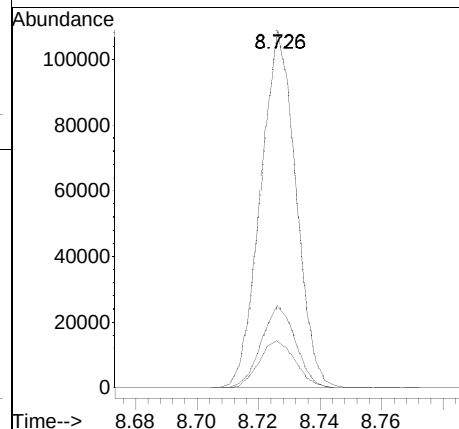
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.0	18.0
176	19.0	14.6	22.0

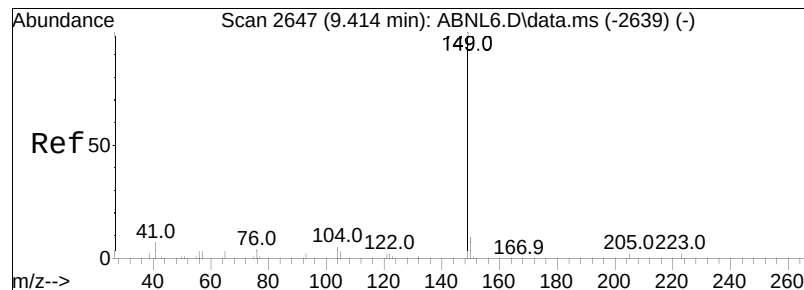




#91
 Carbazole
 Concen: 1.31 ug/ml
 RT: 8.726 min Scan# 2490
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

Tgt Ion:	167	Resp:	85882
Ion Ratio	Lower	Upper	
167	100		
168	13.7	10.6	15.8
166	22.5	17.4	26.0





#92

Di-n-butylphthalate

Concen: 1.98 ug/ml

RT: 9.152 min Scan# 2627

Delta R.T. 0.000 min

Lab File: 115766-2.D

Acq: 17 Sep 2025 11:36 am

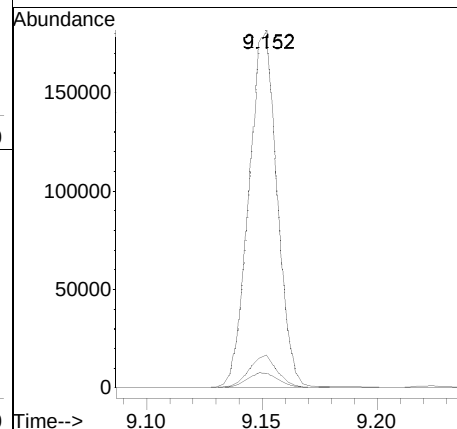
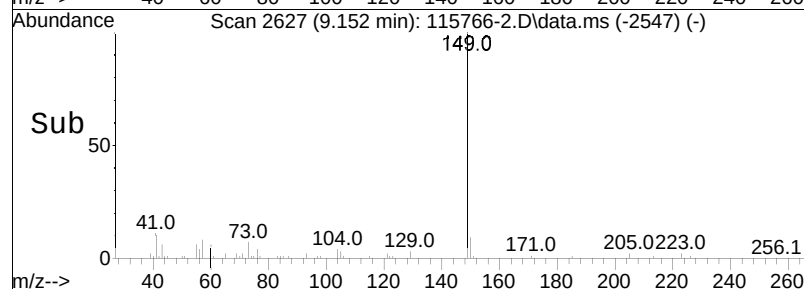
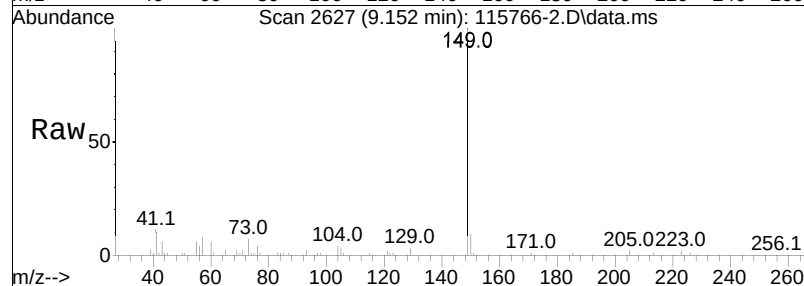
Tgt Ion: 149 Resp: 152617

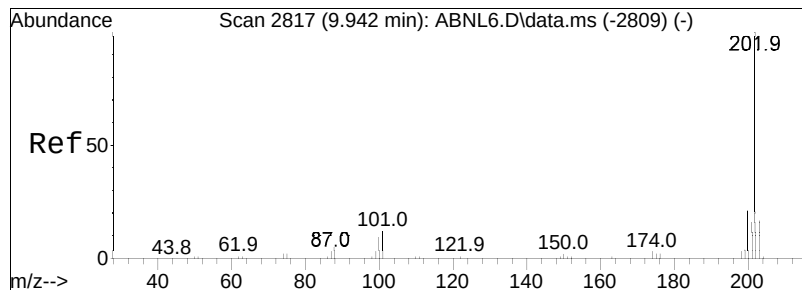
Ion Ratio Lower Upper

149 100

150 8.9 7.0 10.6

104 4.4 4.5 6.7#





#93

Fluoranthene

Concen: 1.32 ug/ml

RT: 9.652 min Scan# 2788

Delta R.T. 0.000 min

Lab File: 115766-2.D

Acq: 17 Sep 2025 11:36 am

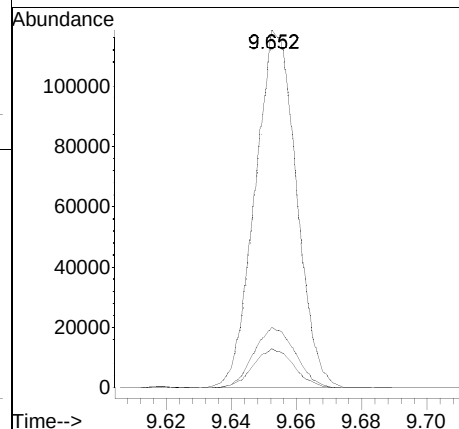
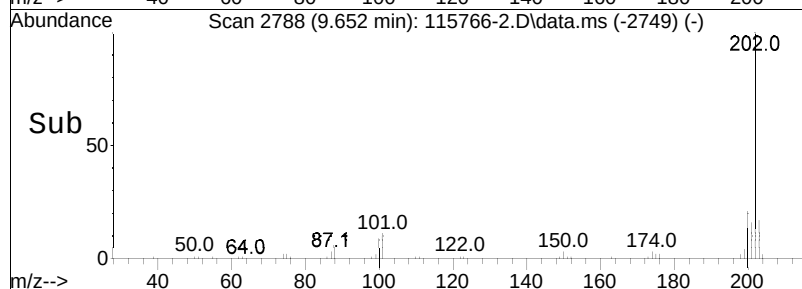
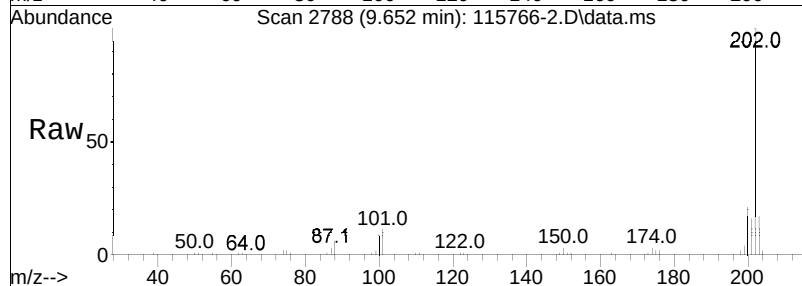
Tgt Ion:202 Resp: 103636

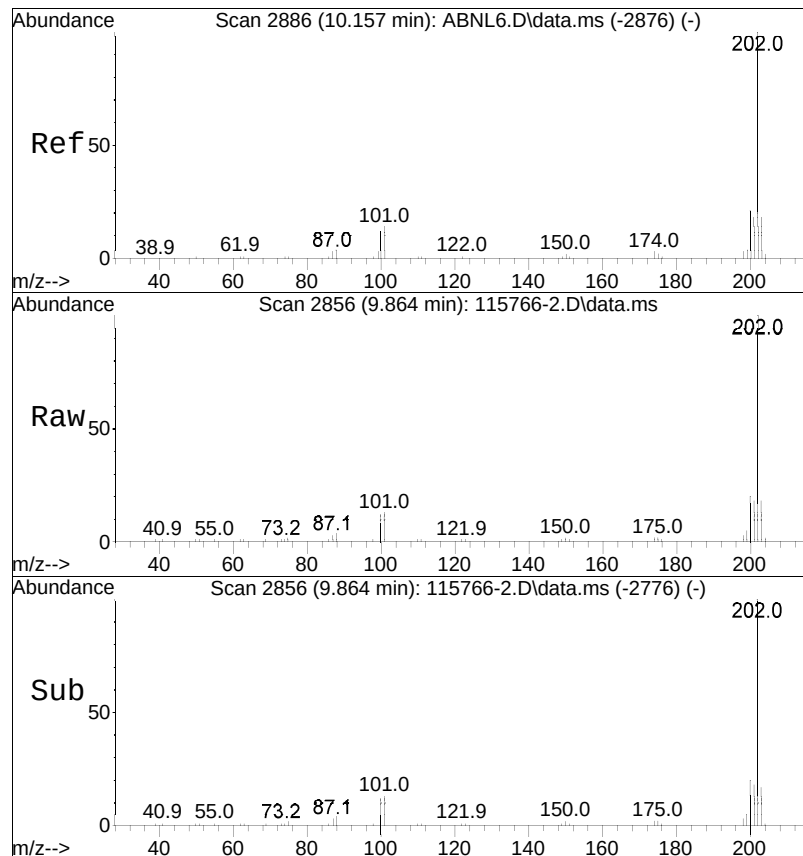
Ion Ratio Lower Upper

202 100

101 11.0 13.5 20.3#

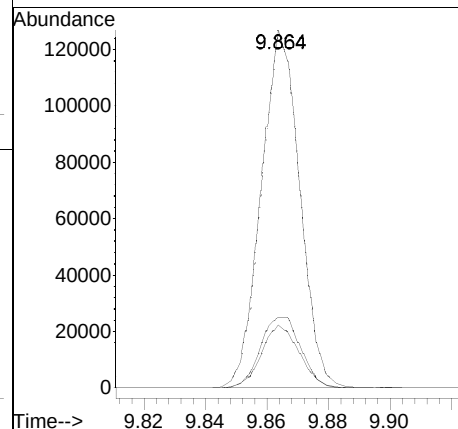
203 17.1 13.6 20.4

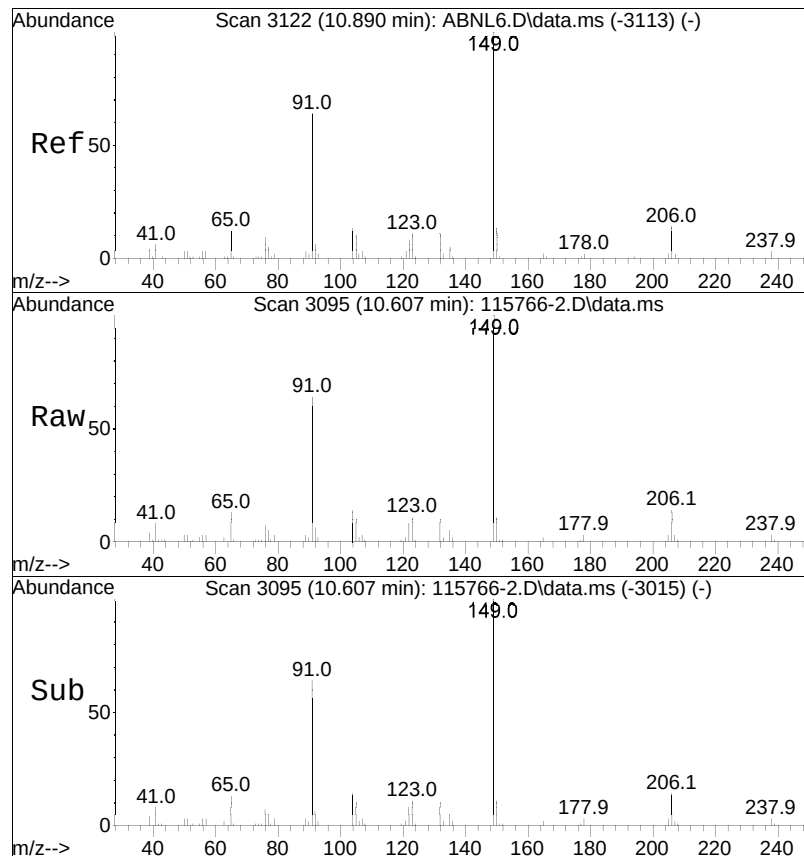




#95
 Pyrene
 Concen: 1.30 ug/ml
 RT: 9.864 min Scan# 2856
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

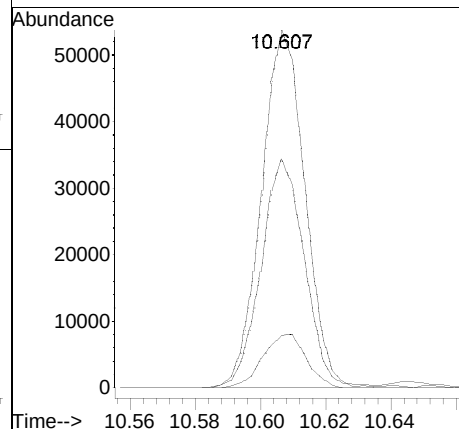
Tgt Ion:	202	Resp:	109381
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.7	25.1
203	17.4	14.2	21.4

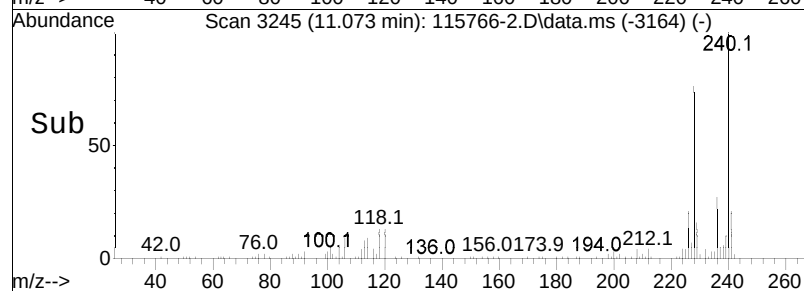
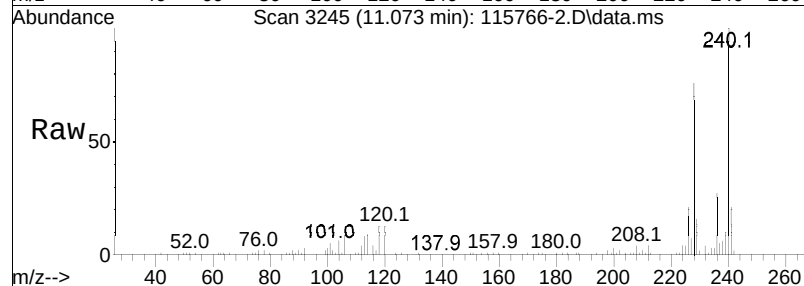
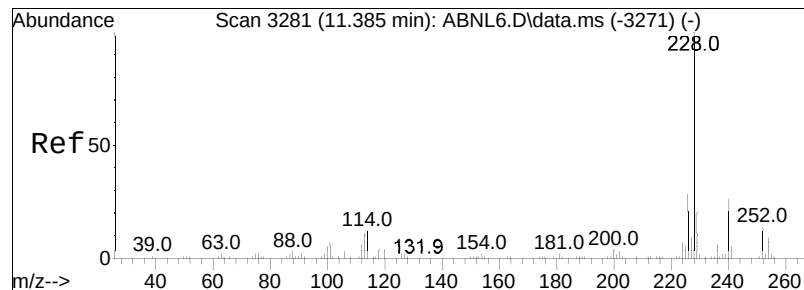




#97
 Butyl benzyl phthalate
 Concen: 1.53 ug/ml
 RT: 10.607 min Scan# 3095
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

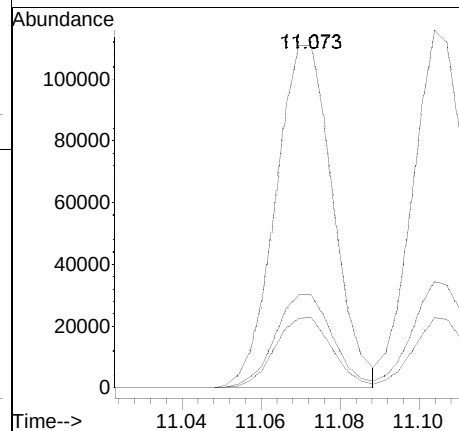
Tgt Ion:	149	Resp:	49288
Ion Ratio	Lower	Upper	
149	100		
91	64.2	63.3	94.9
206	15.0	13.9	20.9

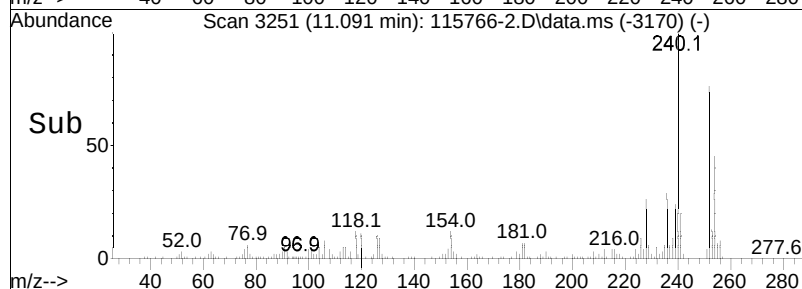
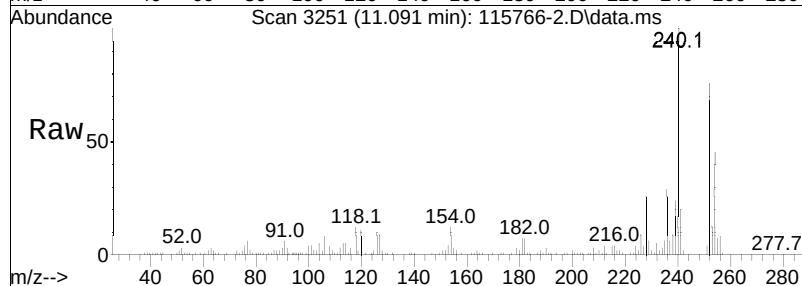
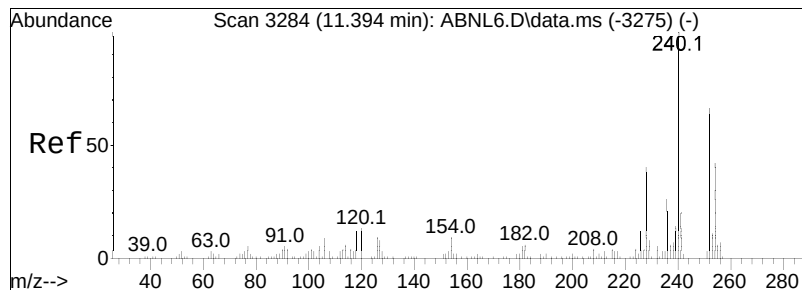




#105
 Benzo(a)anthracene
 Concen: 1.31 ug/ml
 RT: 11.073 min Scan# 3245
 Delta R.T. 0.003 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

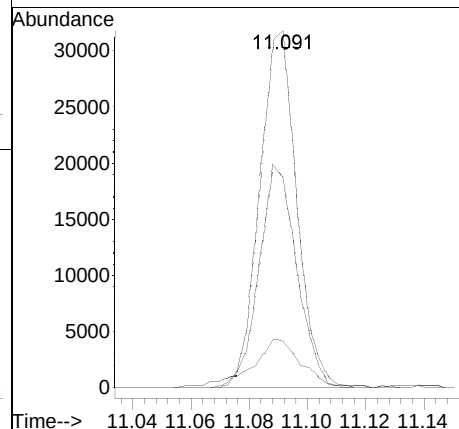
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.4
229	20.6	15.6	23.4

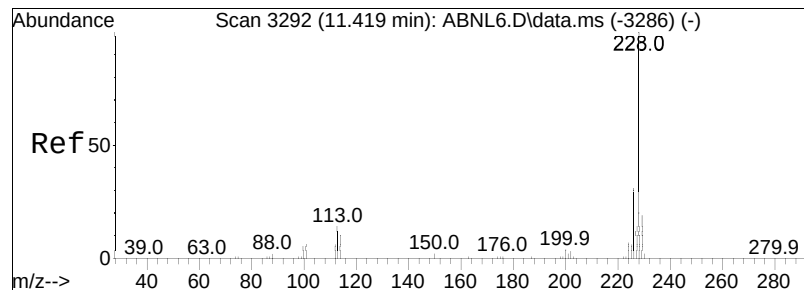




#106
 3,3'-Dichlorobenzidine
 Concen: 0.96 ug/ml
 RT: 11.091 min Scan# 3251
 Delta R.T. 0.003 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

Tgt Ion	Ratio	Lower	Upper
252	100		
126	18.5	14.5	21.7
254	63.3	51.2	76.8





#107

Chrysene

Concen: 1.28 ug/ml

RT: 11.104 min Scan# 3255

Delta R.T. 0.000 min

Lab File: 115766-2.D

Acq: 17 Sep 2025 11:36 am

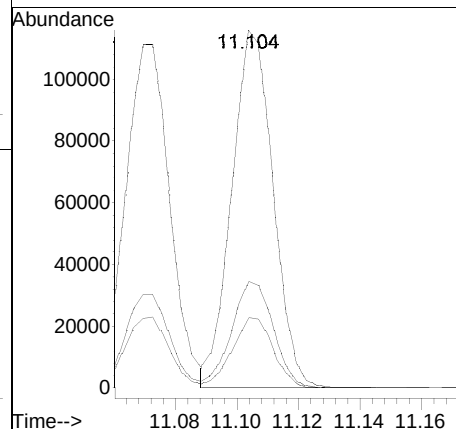
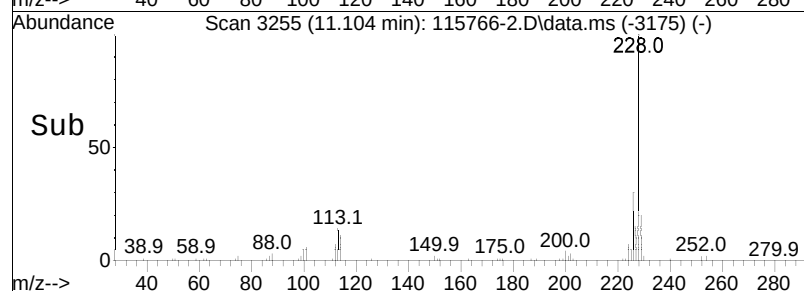
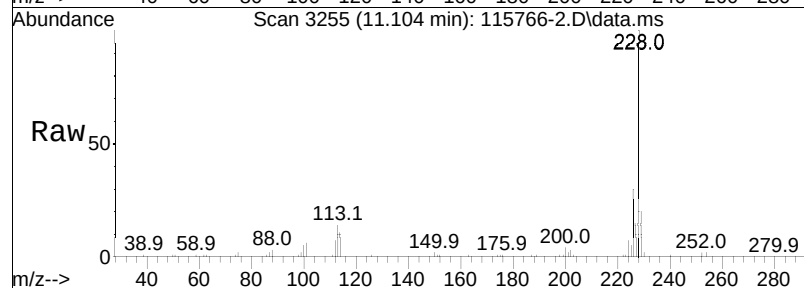
Tgt Ion:228 Resp: 107804

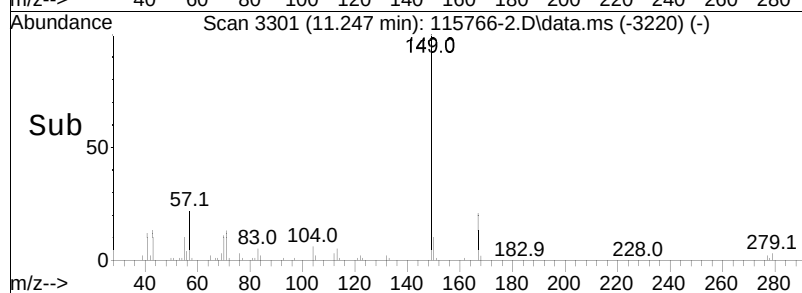
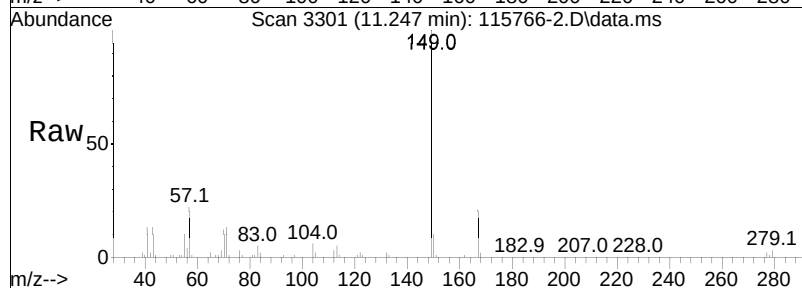
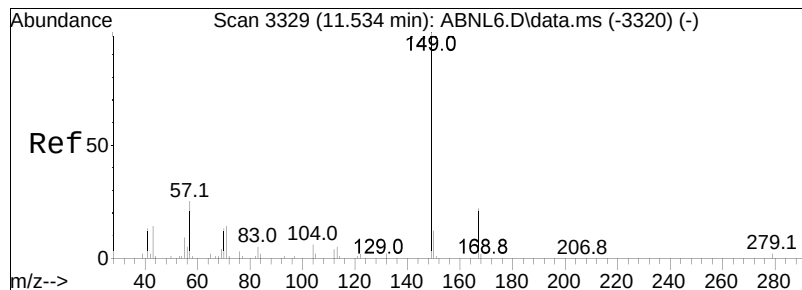
Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

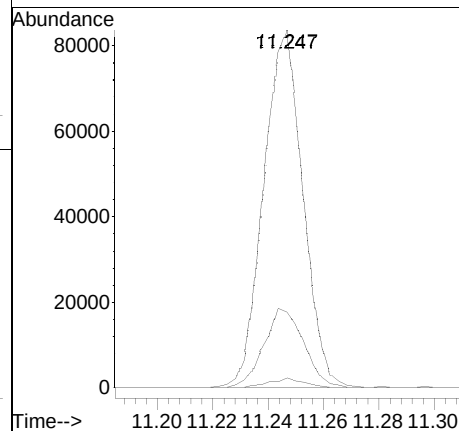
229 19.5 15.8 23.8

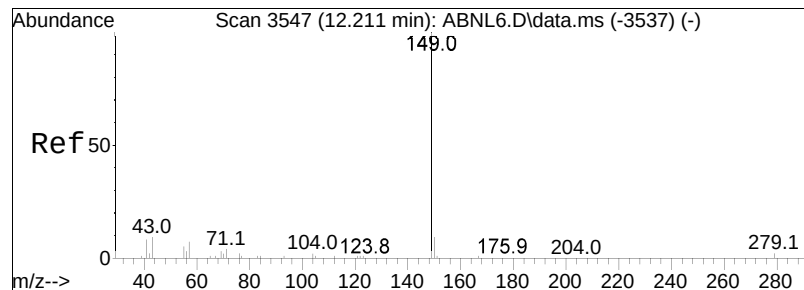




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 1.52 ug/ml
 RT: 11.247 min Scan# 3301
 Delta R.T. 0.003 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

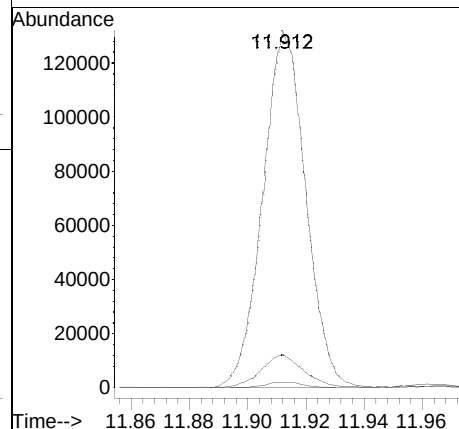
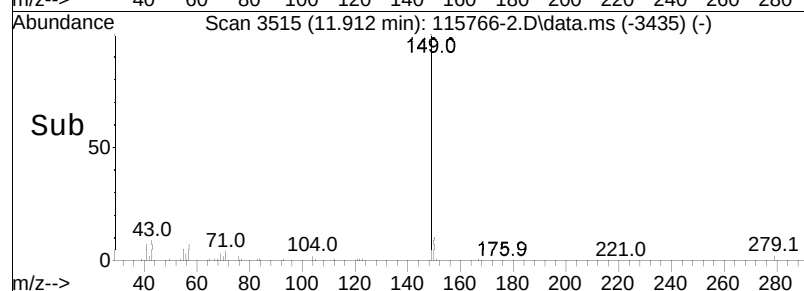
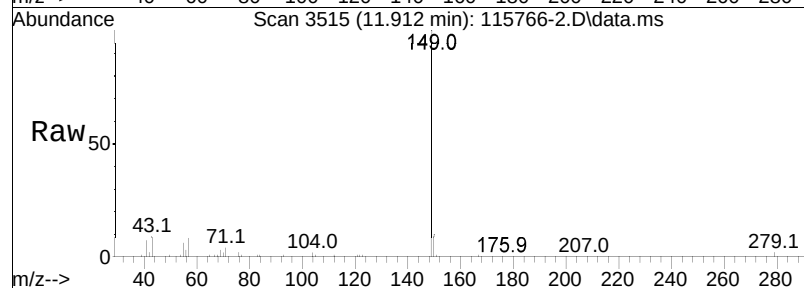
Tgt	Ion:149	Resp:	81448
Ion	Ratio	Lower	Upper
149	100		
167	22.5	22.1	33.1
279	2.1	3.0	4.4#

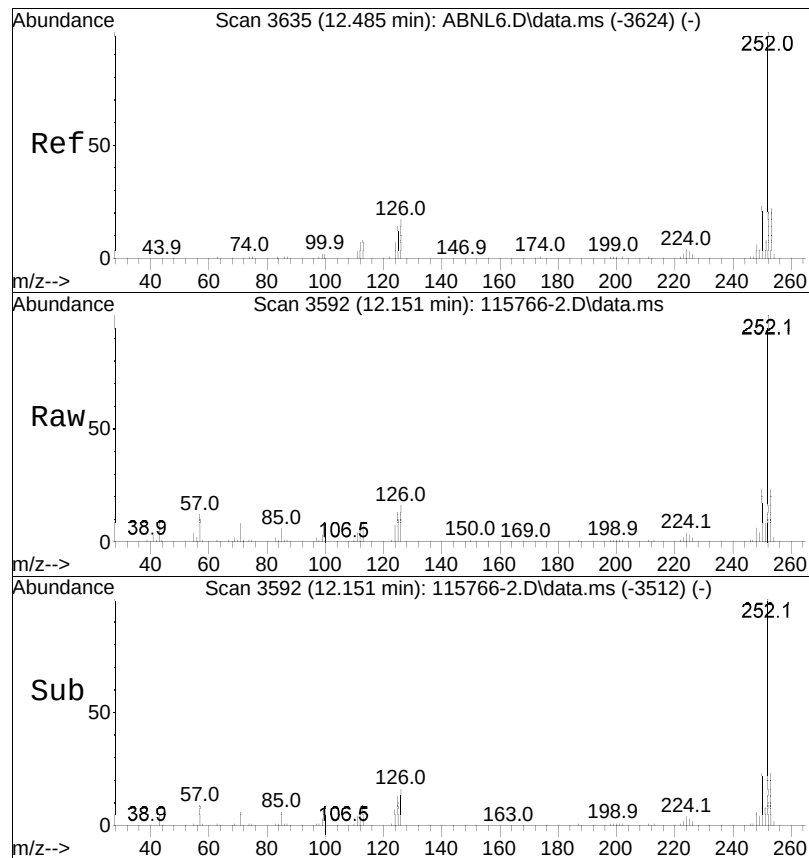




#109
 Di-n-octylphthalate
 Concen: 1.49 ug/ml
 RT: 11.912 min Scan# 3515
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

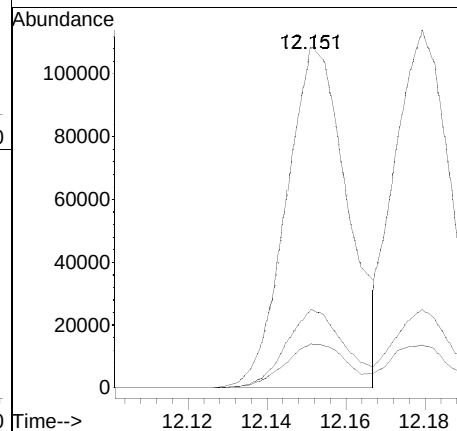
Tgt Ion:	149	Resp:	133576
Ion Ratio	Lower	Upper	
149	100		
43	9.1	18.8	28.2#
167	1.4	1.3	1.9

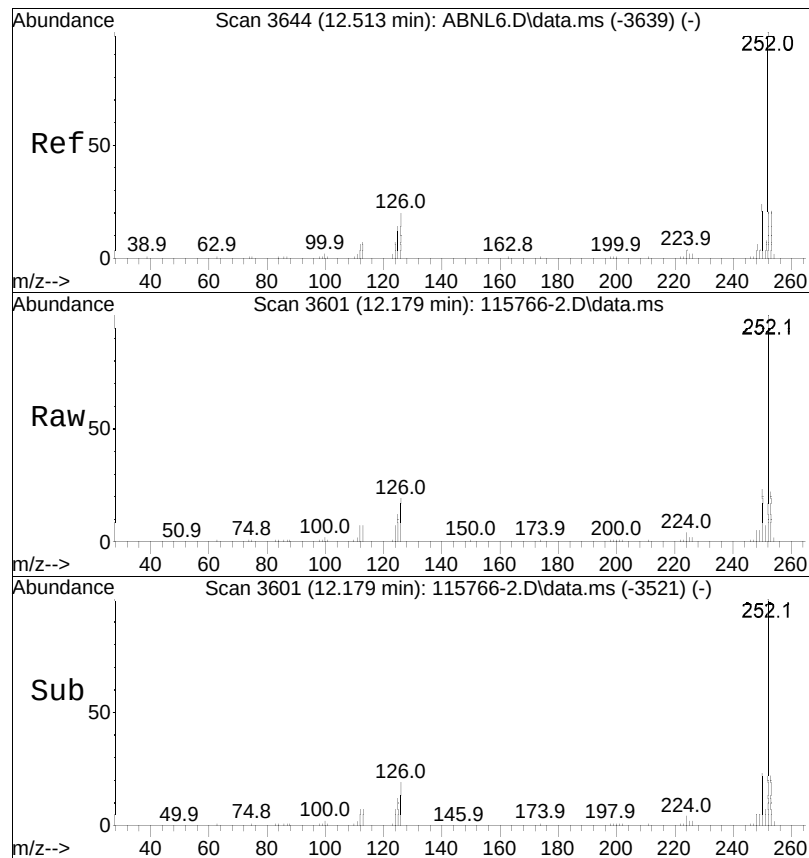




#110
 Benzo(b)fluoranthene
 Concen: 1.46 ug/ml
 RT: 12.151 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

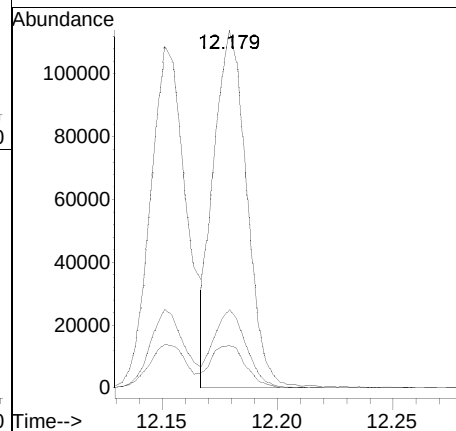
Tgt Ion:	252	Resp:	117584
Ion Ratio	Lower	Upper	
252	100		
125	12.9	13.3	19.9#
253	22.2	17.1	25.7

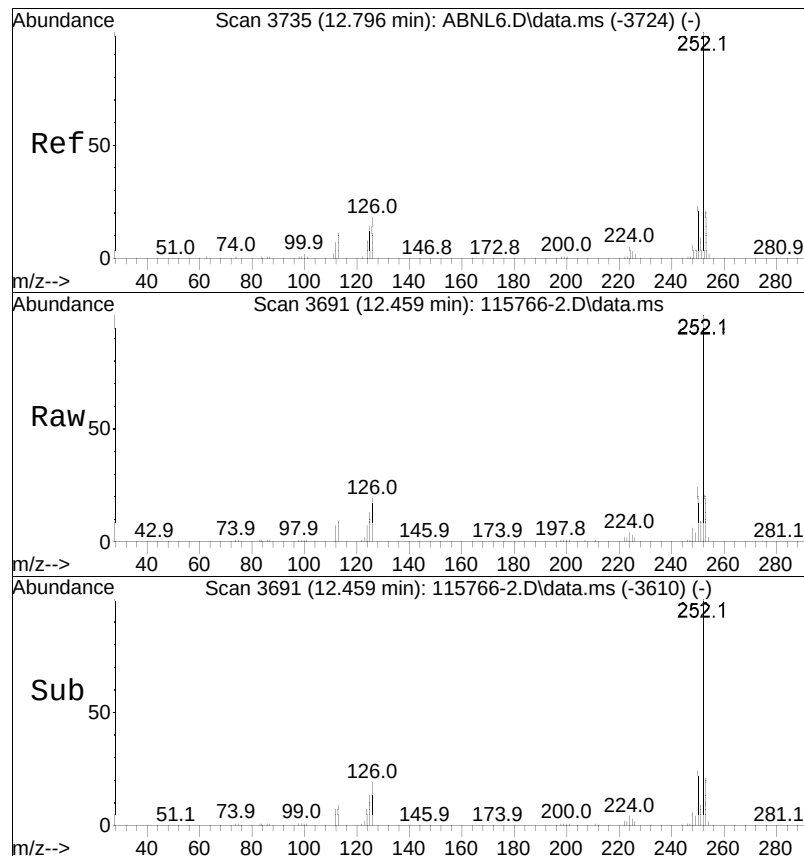




#111
 Benzo(k)fluoranthene
 Concen: 1.38 ug/ml
 RT: 12.179 min Scan# 3601
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

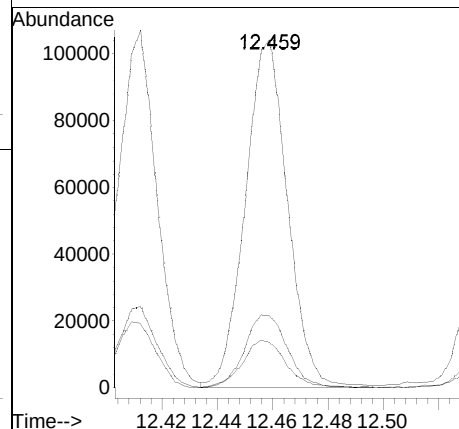
Tgt Ion	Ratio	Lower	Upper
252	100		
125	13.1	13.0	19.6
253	21.5	16.8	25.2

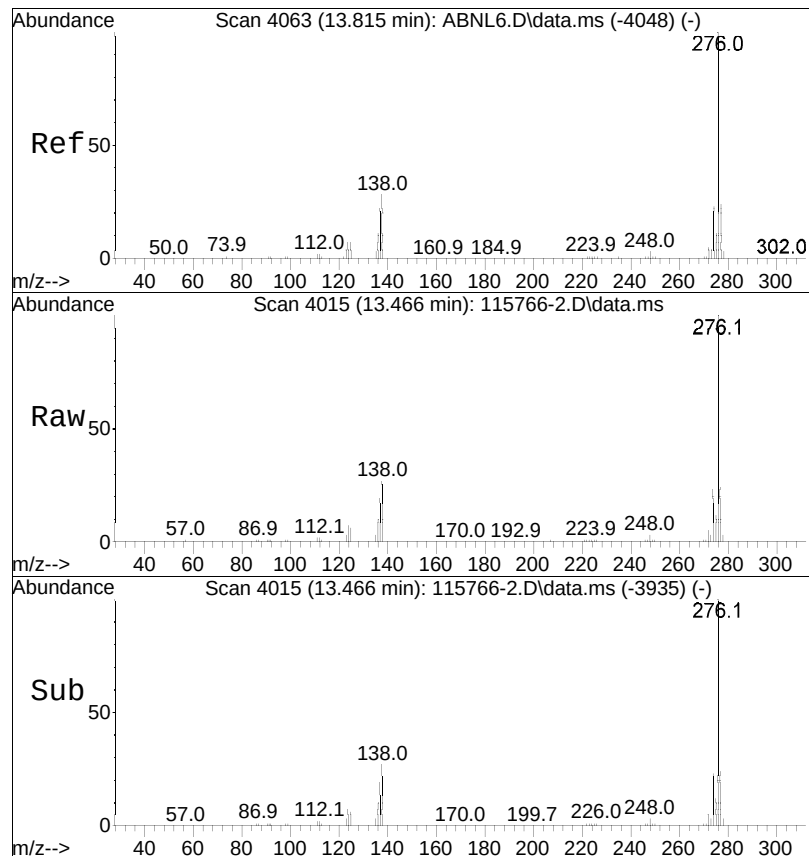




#112
 Benzo(a)pyrene
 Concen: 1.46 ug/ml
 RT: 12.459 min Scan# 3691
 Delta R.T. 0.003 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

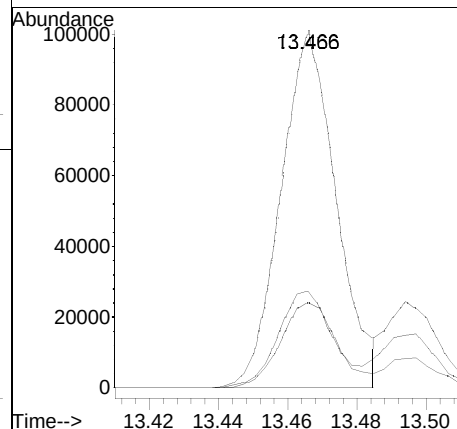
Tgt	Ion:252	Resp:	110259
Ion	Ratio	Lower	Upper
252	100		
125	14.3	14.2	21.2
253	21.5	16.9	25.3

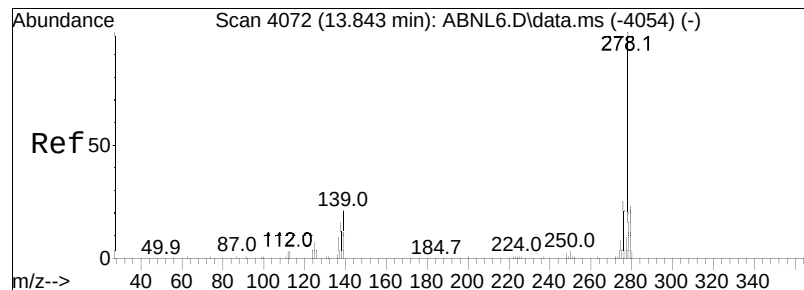




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 1.33 ug/mL
 RT: 13.466 min Scan# 4015
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

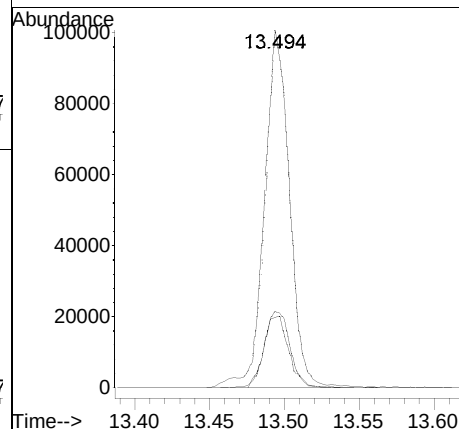
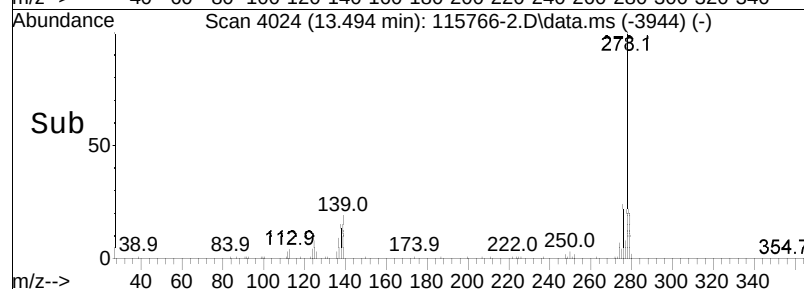
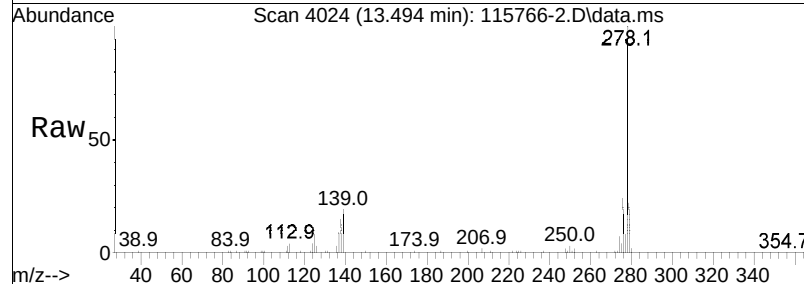
Tgt Ion:	276	Resp:	111468
Ion Ratio	Lower	Upper	
276	100		
138	27.0	25.1	37.7
277	24.7	18.6	28.0

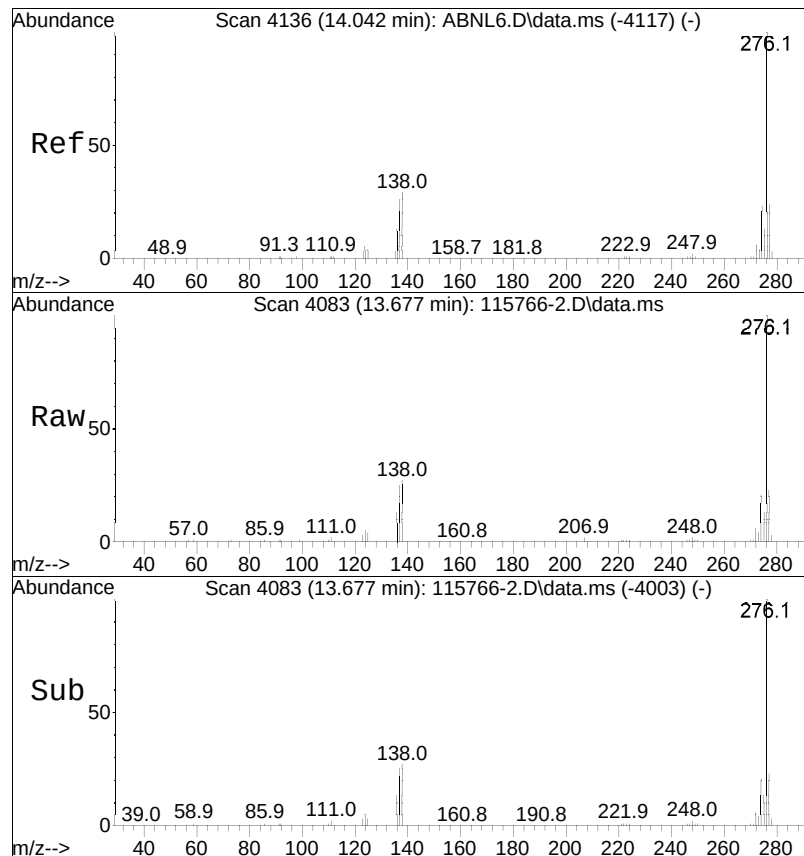




#115
 Dibenzo(a,h)anthracene
 Concen: 1.33 ug/ml
 RT: 13.494 min Scan# 4024
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

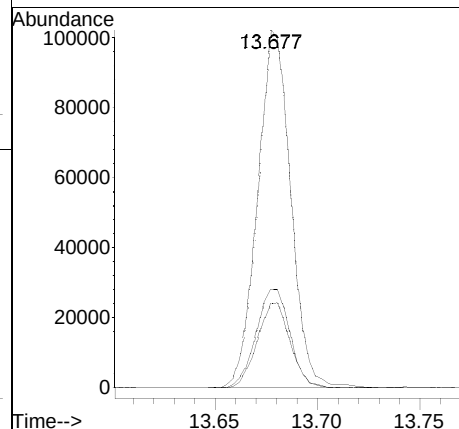
Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.9	20.8	31.2#
279	22.3	18.3	27.5





#116
 Benzo(ghi)perylene
 Concen: 1.33 ug/ml
 RT: 13.677 min Scan# 4083
 Delta R.T. 0.000 min
 Lab File: 115766-2.D
 Acq: 17 Sep 2025 11:36 am

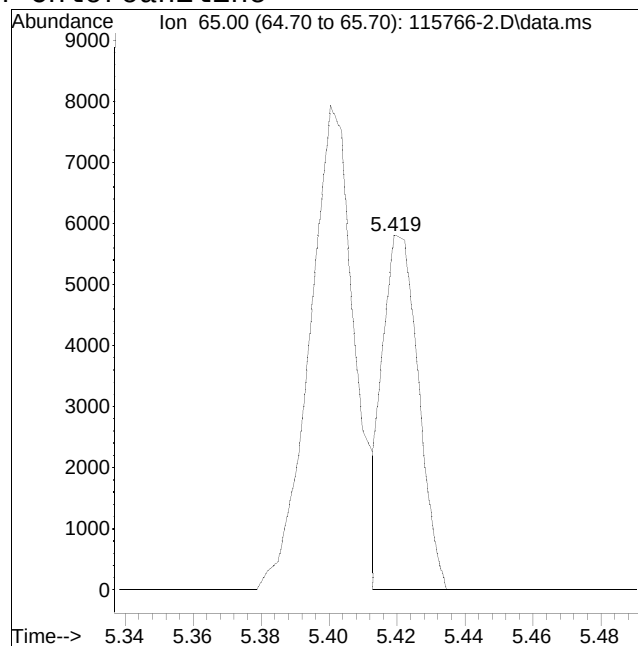
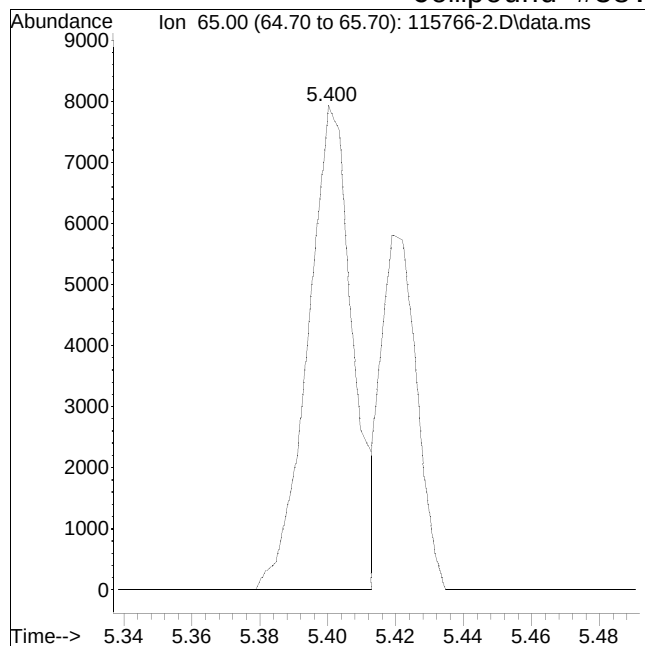
Tgt Ion:	276	Resp:	113705
Ion Ratio	Lower	Upper	
276	100		
138	28.5	29.2	43.8#
277	23.9	18.8	28.2



Manual Integration Report

Data Path : I:\8270\SV106\250917RVT\ QMethod : FS250827SV106.m
Data File : 115766-2.D Operator : SV106:als
Date Inj'd : 9/17/2025 11:36 am Instrument : SV 106
Sample : WG2115761-2,32,,gmr/1 Quant Date : 9/17/2025 11:53 am

Compound #38: 4-Chloroaniline



Original Peak Response = 7373

Manual Peak Response = 4155 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : 120226-2.D
 Acq On : 28 Sep 2025 10:17 pm
 Operator : Dakota:smz
 Sample : wg2120226-2,32,,mrg
 Misc : wg2120752,WG2120226,ical22568
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 16:22:36 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250928RVT\ABN0928a.D
 : 2 - I:\8270\Dakota\250928RVT\ADP0928.D
 : 3 - I:\8270\Dakota\250928RVT\AP90928a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.158	152	79315	4.000	ug/ml	0.00
Standard Area 1 = 73381			Recovery =	108.09%		
27) IS2_1,4-Dichlorobenzen...	4.158	152	79315	4.000	ug/ml	0.00
Standard Area 3 = 72611			Recovery =	109.23%		
32) IS3_1,4-Dichlorobenzen...	4.158	152	79315	4.000	ug/ml	0.00
Standard Area 2 = 63582			Recovery =	124.74%		
37) IS1_Naphthalene-d8	5.395	136	295505	4.000	ug/ml	0.00
Standard Area 1 = 265715			Recovery =	111.21%		
57) IS2_Naphthalene-d8	5.395	136	295505	4.000	ug/ml	0.00
Standard Area 3 = 268261			Recovery =	110.16%		
65) IS1_Acenaphthene-d10	7.083	164	211487	4.000	ug/ml	0.00
Standard Area 1 = 194588			Recovery =	108.68%		
85) IS2_Acenaphthene-d10	7.083	164	211487	4.000	ug/ml	0.00
Standard Area 3 = 186950			Recovery =	113.12%		
88) IS3_Acenaphthene-d10	7.083	164	211487	4.000	ug/ml	0.00
Standard Area 2 = 164851			Recovery =	128.29%		
90) IS1_Phenanthrene-d10	8.491	188	505750	4.000	ug/ml	# 0.00
Standard Area 1 = 444443			Recovery =	113.79%		
102) IS3_Phenanthrene-d10	8.491	188	505750	4.000	ug/ml	# 0.00
Standard Area 2 = 396616			Recovery =	127.52%		
106) IS1_Chrysene-d12	11.046	240	581509	4.000	ug/ml	# 0.00
Standard Area 1 = 511364			Recovery =	113.72%		
115) IS1_Perylene-d12	12.450	264	703980	4.000	ug/ml	0.00
Standard Area 1 = 610133			Recovery =	115.38%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.859	112	15155	0.867	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	43.35%		
7) Phenol-d6	3.869	99	14260	0.612	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	30.60%		
19) Nitrobenzene-d5	4.711	82	11630	0.525	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	52.50%		
48) 2-Fluorobiphenyl	6.470	172	44996	0.617	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	61.70%		
81) 2,4,6-Tribromophenol	7.838	330	21156	1.744	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	87.20%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : 120226-2.D
 Acq On : 28 Sep 2025 10:17 pm
 Operator : Dakota:smz
 Sample : wg2120226-2,32,,mrg
 Misc : wg2120752,WG2120226,ical22568
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 16:22:36 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250928RVT\ABN0928a.D
 : 2 - I:\8270\Dakota\250928RVT\ADP0928.D
 : 3 - I:\8270\Dakota\250928RVT\AP90928a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.060	244	85028	0.650	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	65.00%
Target Compounds						Qvalue
6) 2-Chlorophenol	3.953	128	25596	1.201	ug/ml#	84
8) Phenol	3.881	94	16871	0.630	ug/ml	97
9) Bis(2-chloroethyl)ether	3.937	93	17804	0.928	ug/ml	89
10) 1,3-Dichlorobenzene	4.099	146	29900M3	0.995	ug/ml	
11) 1,4-Dichlorobenzene	4.177	146	31126	1.025	ug/ml	98
12) 1,2-Dichlorobenzene	4.320	146	29094	1.000	ug/ml	91
13) Benzyl alcohol	4.329	79	18829	1.146	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.481	45	24412	0.714	ug/ml#	38
15) 2-Methylphenol	4.475	108	20183	1.112	ug/ml	99
16) Hexachloroethane	4.646	117	9586	0.896	ug/ml#	19
17) n-Nitrosodi-n-propylamine	4.606	70	16648	1.053	ug/ml#	92
18) 3-Methylphenol/4-Methy...	4.634	108	22799	1.119	ug/ml	97
20) Nitrobenzene	4.727	77	25215	1.127	ug/ml	96
21) Isophorone	4.975	82	45245	1.108	ug/ml#	98
22) 2-Nitrophenol	5.044	139	14181	1.350	ug/ml#	84
23) 2,4-Dimethylphenol	5.140	107	24088	1.145	ug/ml	95
24) Bis(2-chloroethoxy)met...	5.224	93	28573	1.053	ug/ml#	94
25) 2,4-Dichlorophenol	5.286	162	30600	1.298	ug/ml#	89
26) 1,2,4-Trichlorobenzene	5.358	180	31029	1.047	ug/ml	93
29) Acetophenone	4.574	105	34839	1.056	ug/ml#	78
38) Naphthalene	5.414	128	73126	0.996	ug/ml	97
39) Benzoic Acid	5.209	105	15847	1.812	ug/ml	95
40) 4-Chloroaniline	5.498	65	6282M3	0.672	ug/ml	
41) Hexachlorobutadiene	5.575	225	20030	1.005	ug/ml	96
42) p-Chloro-m-cresol	6.010	107	26036	1.340	ug/ml#	87
43) 2-Methylnaphthalene	6.091	142	56214	1.161	ug/ml	99
45) Hexachlorocyclopentadiene	6.265	237	22769	1.009	ug/ml	97
46) 2,4,6-Trichlorophenol	6.386	196	28018	1.353	ug/ml	96
47) 2,4,5-Trichlorophenol	6.414	196	31595	1.381	ug/ml	94
49) 2-Chloronaphthalene	6.551	162	70398	1.176	ug/ml	93
50) 2-Nitroaniline	6.672	138	21448	1.423	ug/ml#	75
53) Dimethyl phthalate	6.881	163	100230	1.337	ug/ml#	97
54) Acenaphthylene	6.940	152	119736	1.280	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : 120226-2.D
 Acq On : 28 Sep 2025 10:17 pm
 Operator : Dakota:smz
 Sample : wg2120226-2,32,,mrg
 Misc : wg2120752,WG2120226,ical22568
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 16:22:36 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250928RVT\ABN0928a.D
 : 2 - I:\8270\Dakota\250928RVT\ADP0928.D
 : 3 - I:\8270\Dakota\250928RVT\AP90928a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55)	2,6-Dinitrotoluene	6.918	165	18931	1.286	ug/ml#	74
63)	1,2,4,5-Tetrachloroben...	6.262	216	37514	1.025	ug/ml	96
64)	Biphenyl	6.554	154	84889	1.126	ug/ml	95
66)	3-Nitroaniline	7.070	138	18154	1.253	ug/ml#	83
67)	Acenaphthene	7.114	154	64789	1.184	ug/ml	86
68)	2,4-Dinitrophenol	7.170	184	14634	1.750	ug/ml#	80
69)	Dibenzofuran	7.282	168	116945	1.219	ug/ml	94
70)	2,4-Dinitrotoluene	7.300	165	27779	1.423	ug/ml#	75
71)	4-Nitrophenol	7.279	65	11528	1.071	ug/ml#	1
74)	Diethyl phthalate	7.568	149	106151	1.440	ug/ml	98
75)	Fluorene	7.608	166	98754	1.327	ug/ml	96
76)	4-Chlorophenyl phenyl ...	7.636	204	50327	1.252	ug/ml#	83
77)	4-Nitroaniline	7.645	138	20438	1.429	ug/ml#	65
78)	4,6-Dinitro-o-cresol	7.683	198	18865	1.510	ug/ml#	54
79)	NDPA/DPA	7.754	169	86820	1.342	ug/ml	91
82)	4-Bromophenyl phenyl e...	8.099	248	33591	1.302	ug/ml#	78
83)	Hexachlorobenzene	8.136	284	42772	1.436	ug/ml#	78
84)	Pentachlorophenol	8.335	266	29240	1.806	ug/ml	98
91)	Phenanthrene	8.512	178	175742	1.267	ug/ml	99
92)	Anthracene	8.559	178	174184	1.302	ug/ml	97
93)	Carbazole	8.736	167	163700	1.320	ug/ml	97
94)	Di-n-butylphthalate	9.150	149	247029	1.879	ug/ml#	98
95)	Fluoranthene	9.647	202	216416	1.298	ug/ml#	89
97)	Pyrene	9.855	202	224124	1.257	ug/ml	100
99)	Butyl benzyl phthalate	10.576	149	86263	1.481	ug/ml#	79
107)	Benzo(a)anthracene	11.036	228	230747	1.306	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.052	252	71923	1.129	ug/ml#	94
109)	Chrysene	11.070	228	226650	1.263	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.201	149	136445	1.621	ug/ml#	90
111)	Di-n-octylphthalate	11.857	149	236710	1.589	ug/ml#	69
112)	Benzo(b)fluoranthene	12.096	252	252883	1.418	ug/ml#	92
113)	Benzo(k)fluoranthene	12.121	252	257565	1.444	ug/ml#	92
114)	Benzo(a)pyrene	12.394	252	238542	1.466	ug/ml#	91
116)	Indeno(1,2,3-cd)pyrene	13.380	276	256445	1.298	ug/mL#	84
117)	Dibenzo(a,h)anthracene	13.408	278	259719	1.304	ug/ml#	87
118)	Benzo(ghi)perylene	13.585	276	266625	1.323	ug/ml#	81

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : 120226-2.D
 Acq On : 28 Sep 2025 10:17 pm
 Operator : Dakota:smz
 Sample : wg2120226-2,32,,mrg
 Misc : wg2120752,WG2120226,ical22568
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 16:22:36 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250928RVT\ABN0928a.D
 : 2 - I:\8270\Dakota\250928RVT\ADP0928.D
 : 3 - I:\8270\Dakota\250928RVT\AP90928a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

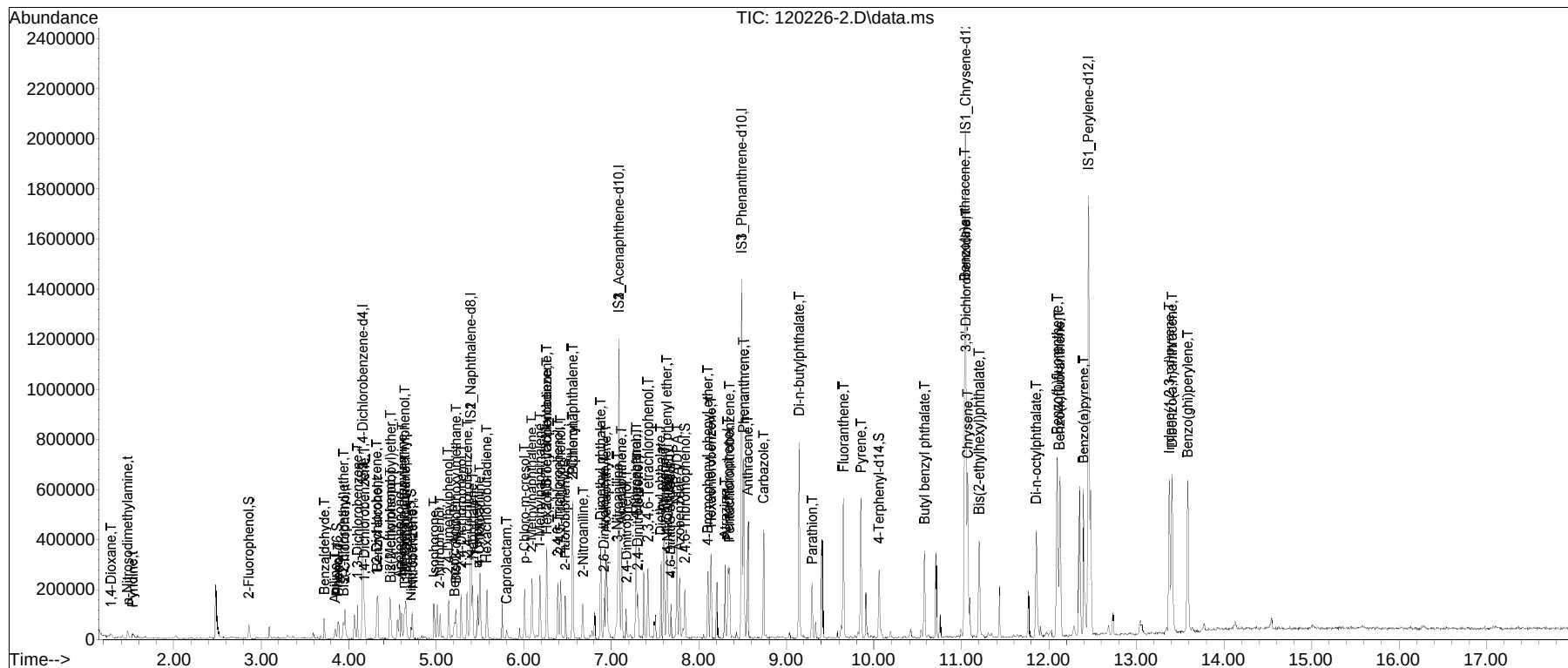
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

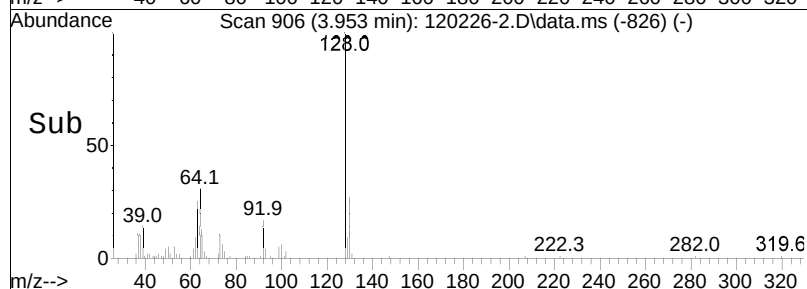
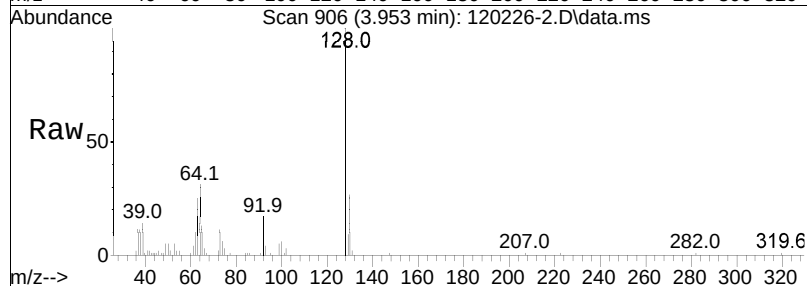
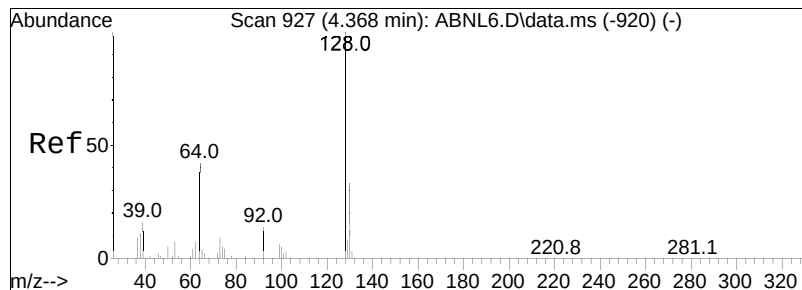
(QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
Data File : 120226-2.D
Acq On : 28 Sep 2025 10:17 pm
Operator : Dakota:smz
Sample : wg2120226-2,32,,mrg
Misc : wg2120752,WG2120226,ical22568
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 16:22:36 2025
Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Sep 26 09:17:20 2025
Response via : Initial Calibration

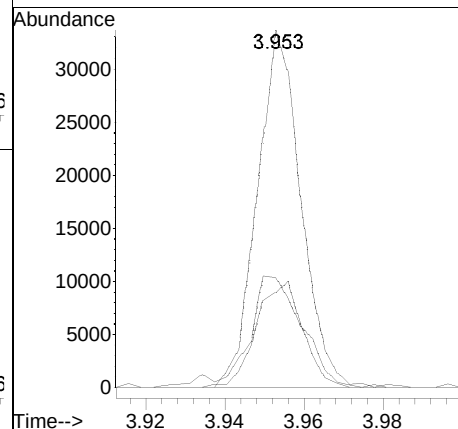
Sub List : 8270TCL_REV2 - TCL/CT/MA8RVT\AP90928a.D•

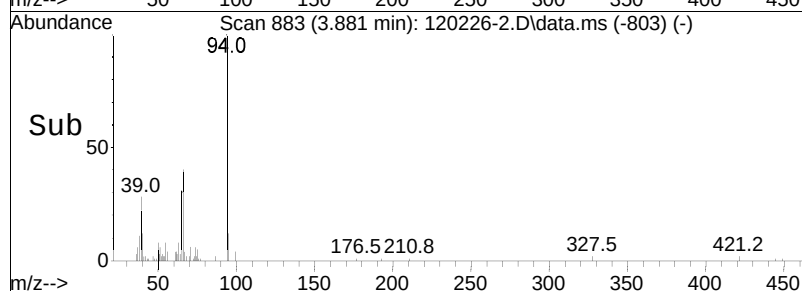
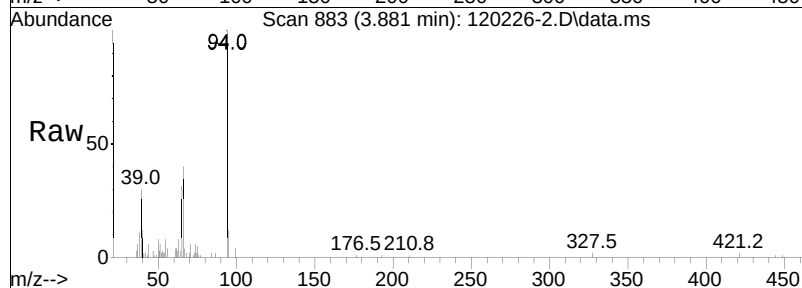
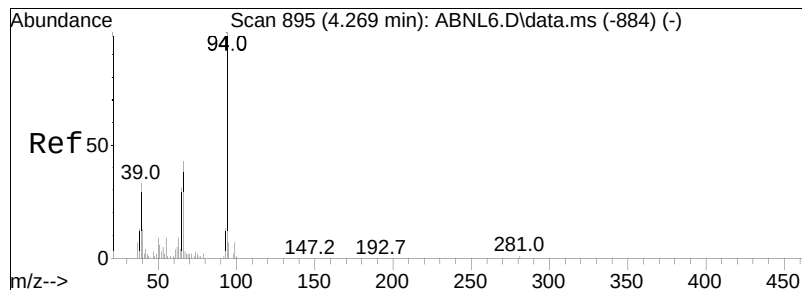




#6
 2-Chlorophenol
 Concen: 1.20 ug/ml
 RT: 3.953 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

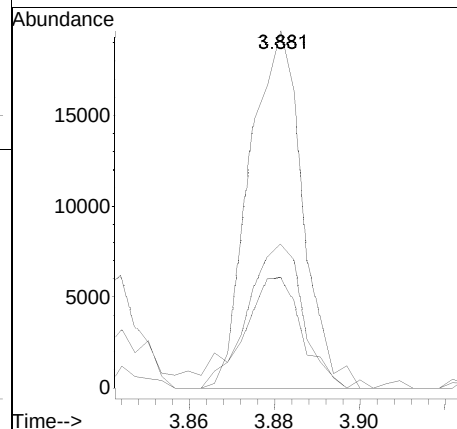
Tgt Ion	Ratio	Lower	Upper
128	100		
64	38.5	45.1	67.7#
130	31.9	26.2	39.4

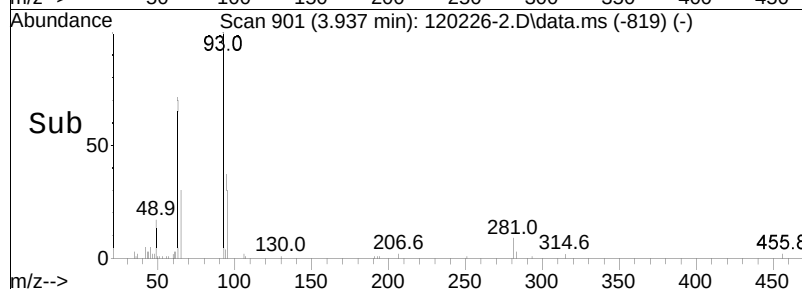
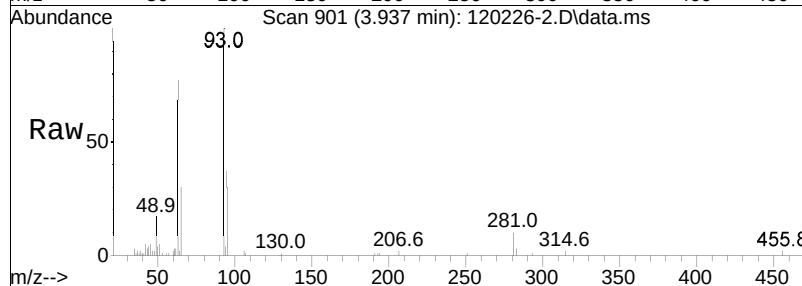
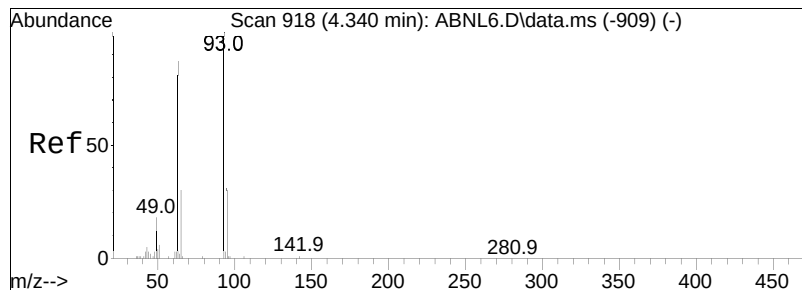




#8
 Phenol
 Concen: 0.63 ug/ml
 RT: 3.881 min Scan# 883
 Delta R.T. 0.000 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

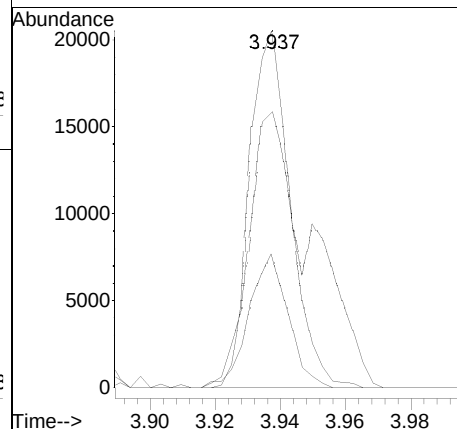
Tgt Ion	Ratio	Lower	Upper
94	100		
65	33.1	26.0	39.0
66	44.9	33.8	50.8

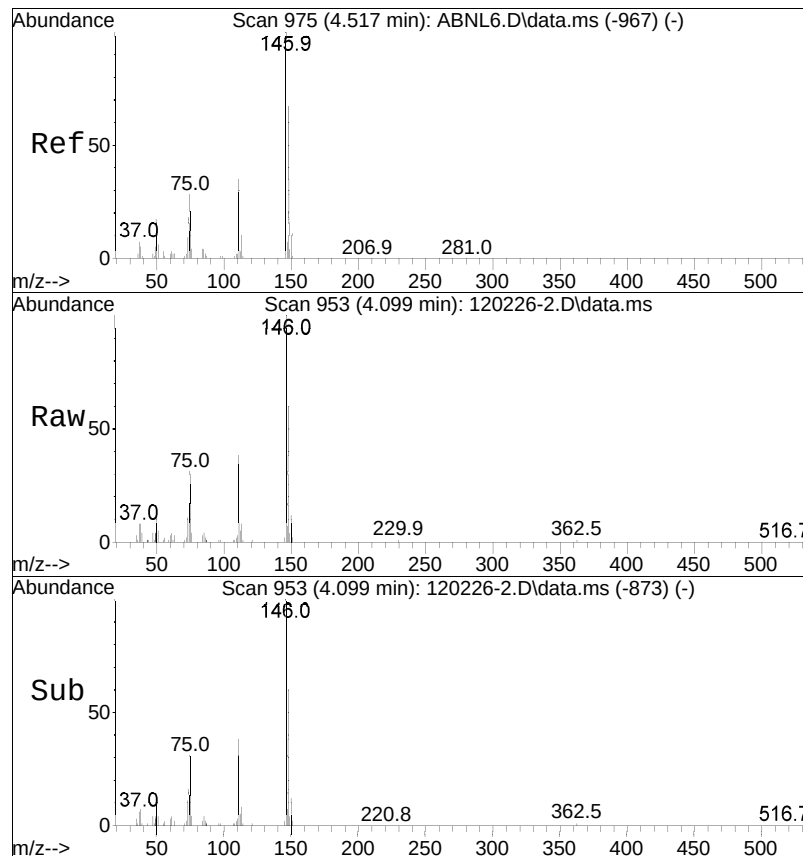




#9
 Bis(2-chloroethyl)ether
 Concen: 0.93 ug/ml
 RT: 3.937 min Scan# 901
 Delta R.T. 0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

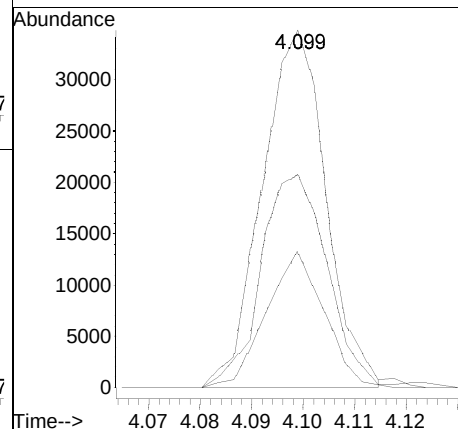
Tgt Ion:	93	63	95	Ratio	100	81.8	36.1	Resp:	17804	Lower	Upper
Ion	93	63	95	Ratio	100	81.8	36.1	Resp:	17804	Lower	Upper
						74.6	25.9				
						111.8	38.9				

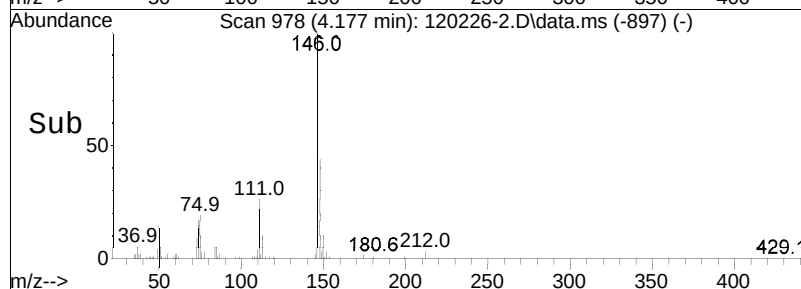
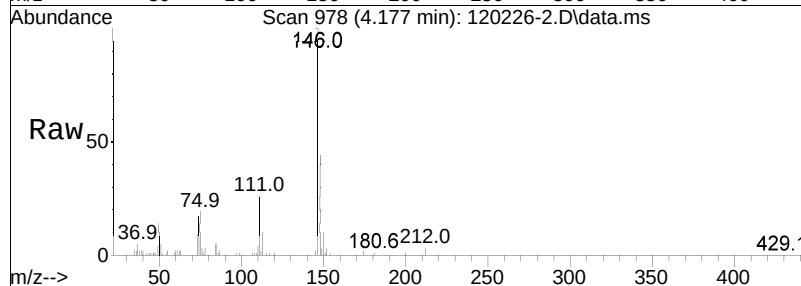
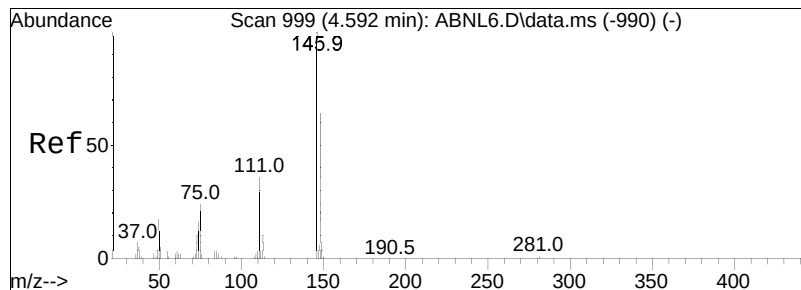




#10
 1,3-Dichlorobenzene
 Concen: 1.00 ug/ml M3
 RT: 4.099 min Scan# 953
 Delta R.T. 0.000 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

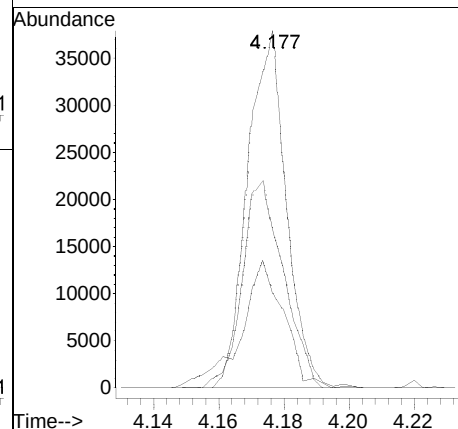
Tgt Ion:	146	Resp:	29900
Ion Ratio	Lower	Upper	
146	100		
111	41.2	34.3	51.5
148	64.6	50.8	76.2

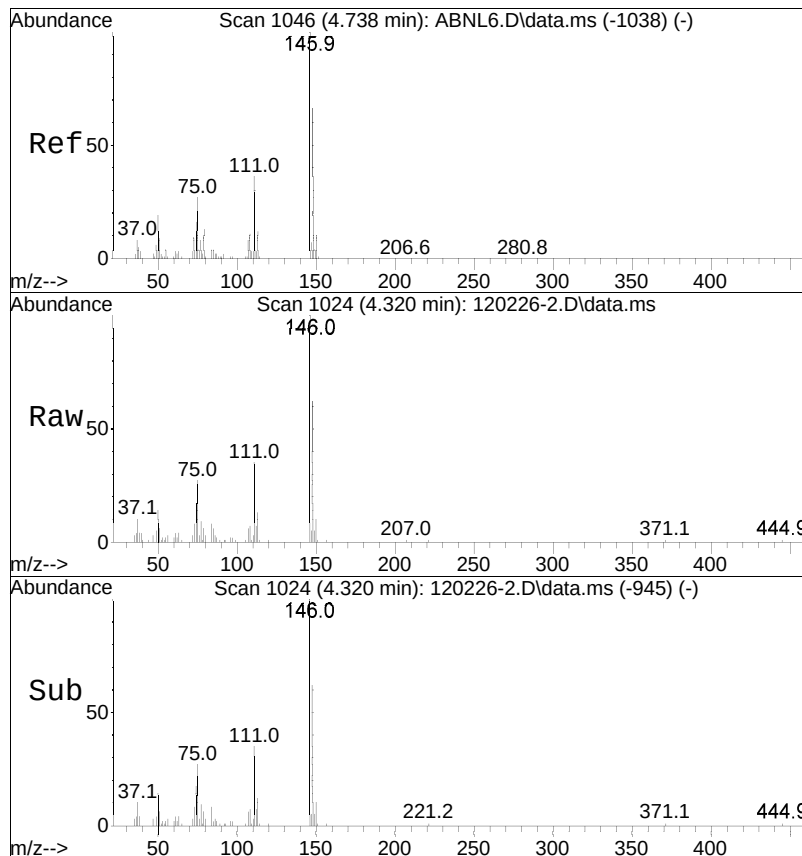




#11
 1,4-Dichlorobenzene
 Concen: 1.02 ug/ml
 RT: 4.177 min Scan# 978
 Delta R.T. 0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

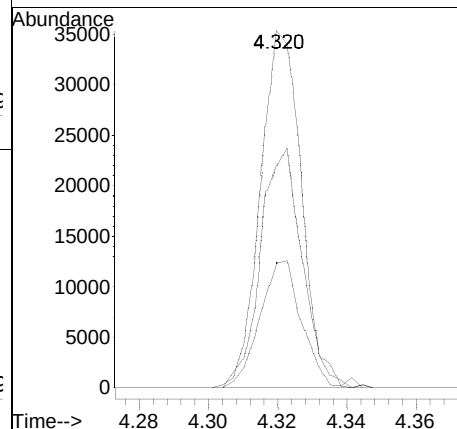
Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.1	50.7	76.1
111	39.6	33.4	50.0

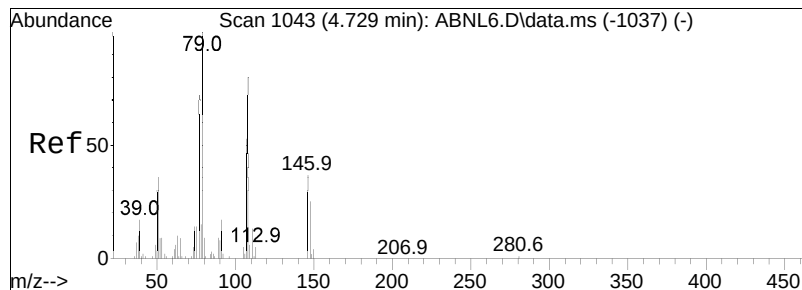




#12
 1,2-Dichlorobenzene
 Concen: 1.00 ug/ml
 RT: 4.320 min Scan# 1024
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

Tgt Ion:	146	Resp:	29094
Ion Ratio	Lower	Upper	
146	100		
111	36.1	34.6	52.0
148	68.0	50.2	75.4





#13

Benzyl alcohol

Concen: 1.15 ug/ml

RT: 4.329 min Scan# 1027

Delta R.T. 0.000 min

Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm

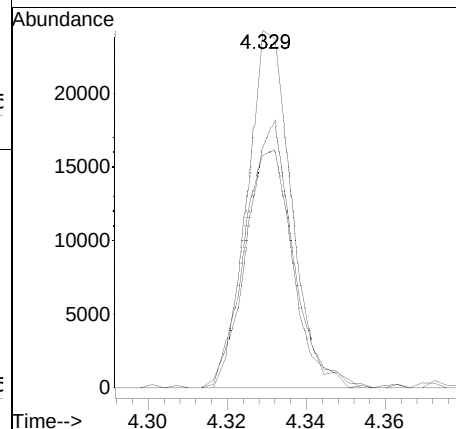
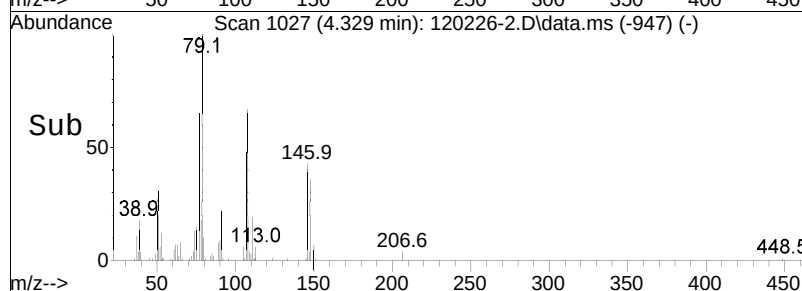
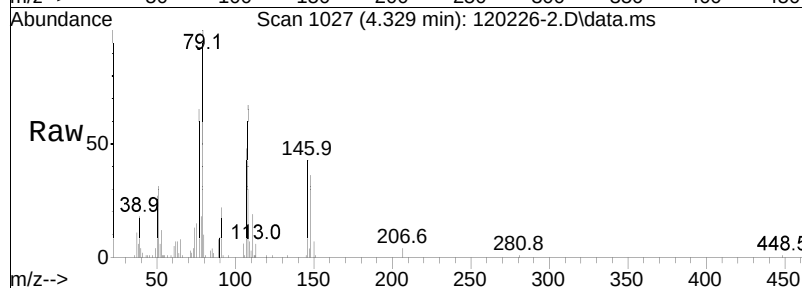
Tgt Ion: 79 Resp: 18829

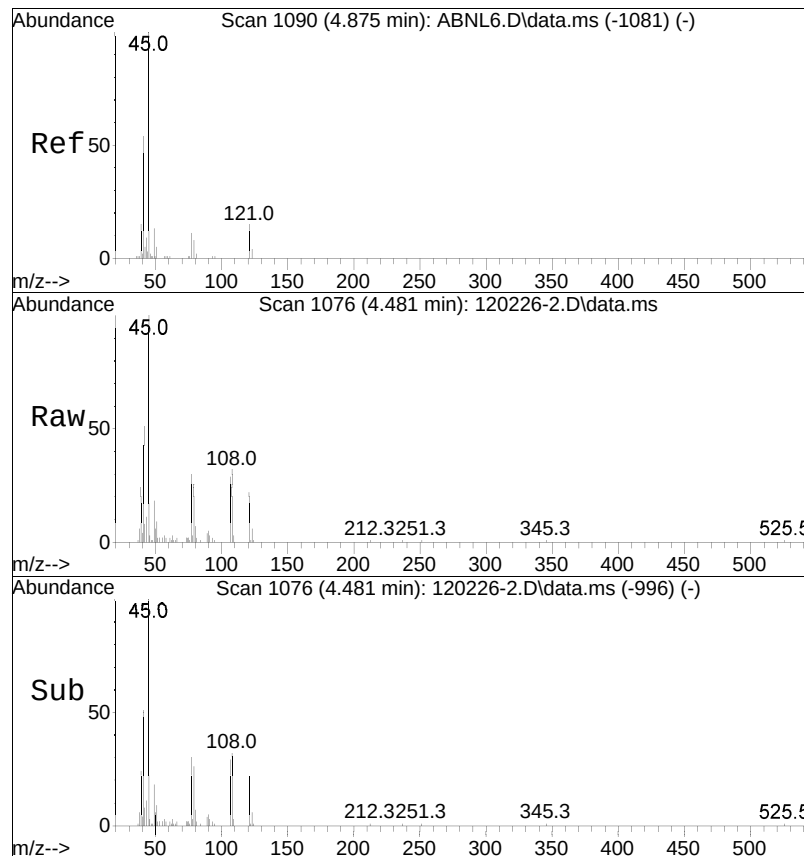
Ion Ratio Lower Upper

79 100

77 74.4 54.9 82.3

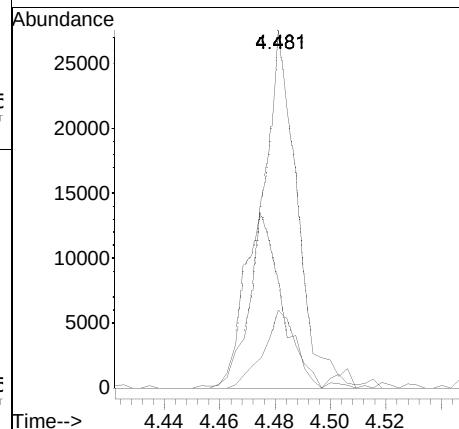
108 77.2 63.1 94.7

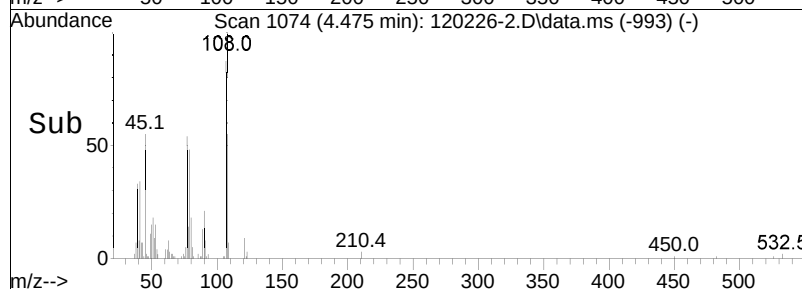
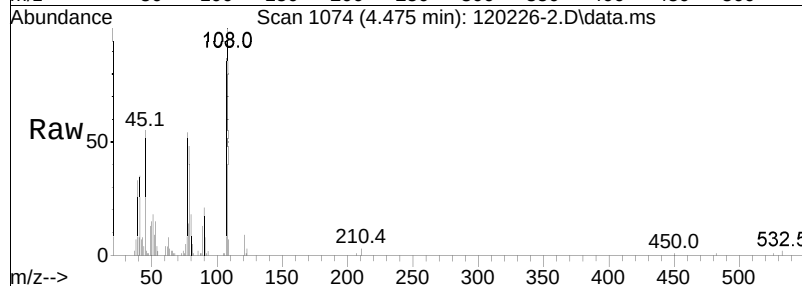
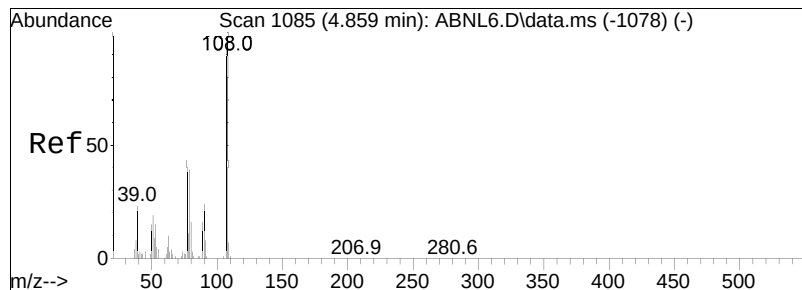




#14
 Bis(2-chloroisopropyl)ether
 Concen: 0.71 ug/ml
 RT: 4.481 min Scan# 1076
 Delta R.T. 0.000 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

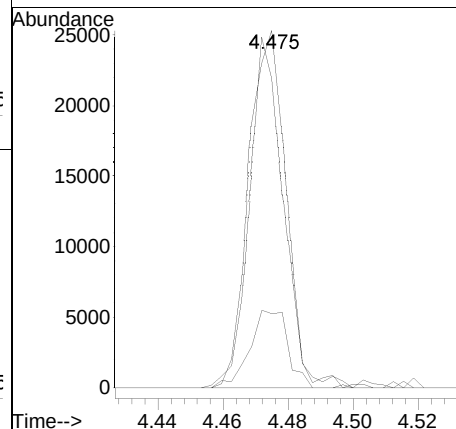
Tgt	Ion: 45	Resp:	24412
Ion	Ratio	Lower	Upper
45	100		
121	21.1	9.8	14.6#
77	51.6	6.1	9.1#

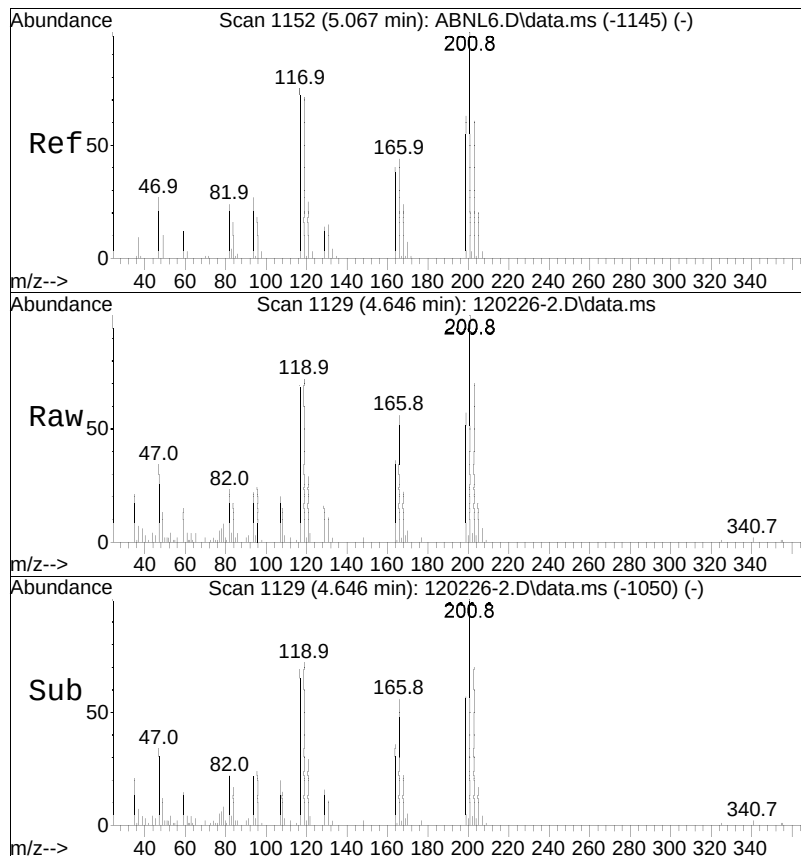




#15
 2-Methylphenol
 Concen: 1.11 ug/ml
 RT: 4.475 min Scan# 1074
 Delta R.T. 0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

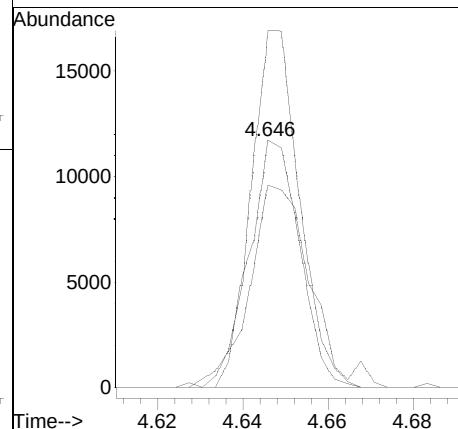
Tgt Ion	Ratio	Lower	Upper
108	100		
107	89.1	70.7	106.1
90	22.1	18.7	28.1

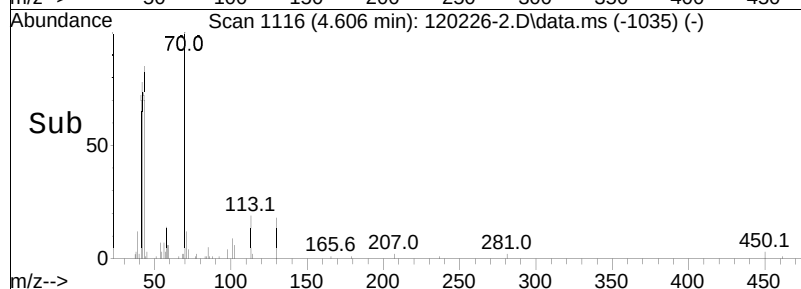
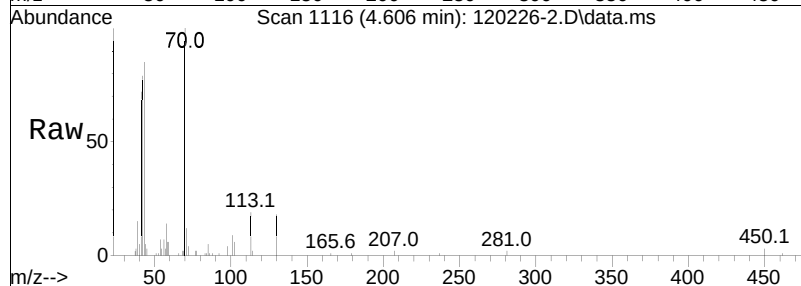
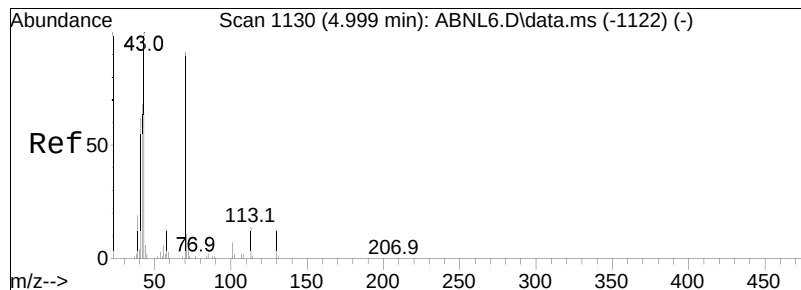




#16
 Hexachloroethane
 Concen: 0.90 ug/ml
 RT: 4.646 min Scan# 1129
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

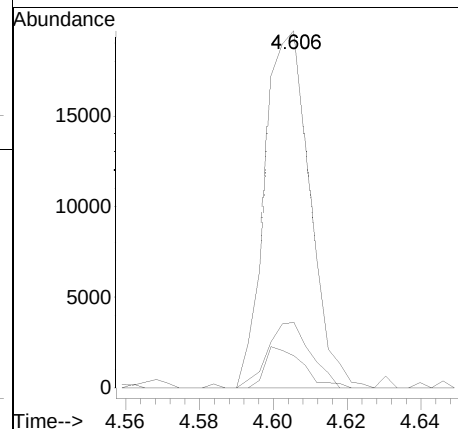
Tgt Ion:	117	Resp:	9586
Ion Ratio	Lower	Upper	
117	100		
201	141.0	58.6	87.8#
199	99.4	36.9	55.3#

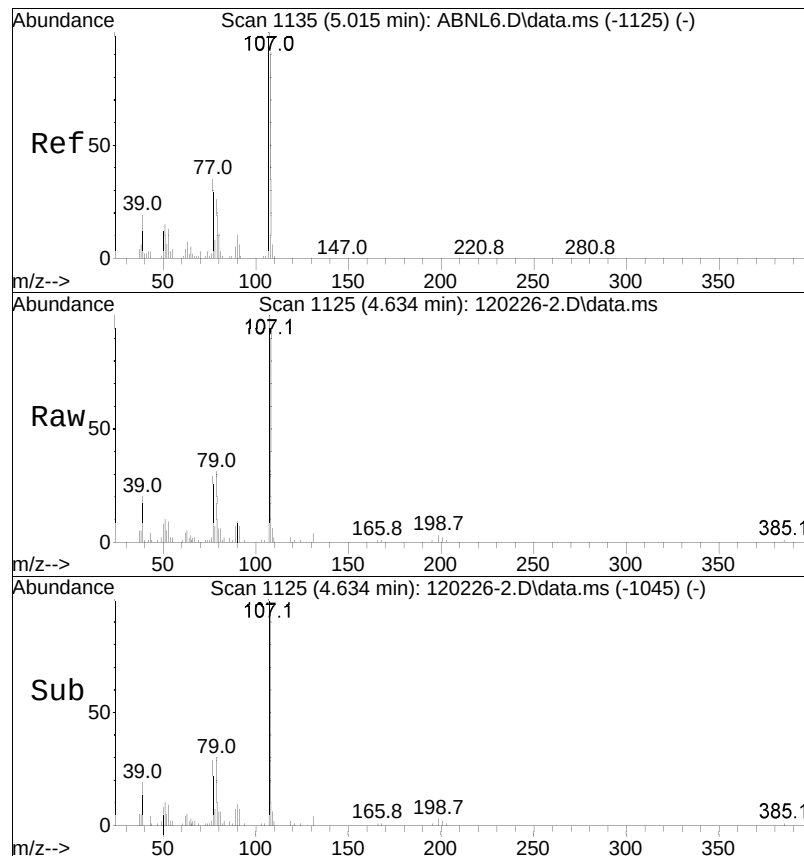




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.05 ug/ml
 RT: 4.606 min Scan# 1116
 Delta R.T. 0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

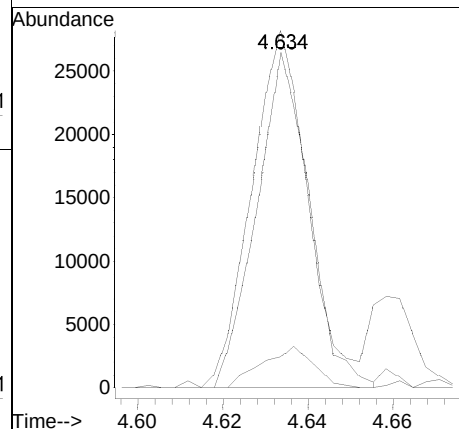
Tgt Ion	Ratio	Lower	Upper
70	100		
130	17.4	18.2	27.4#
101	9.6	7.8	11.8

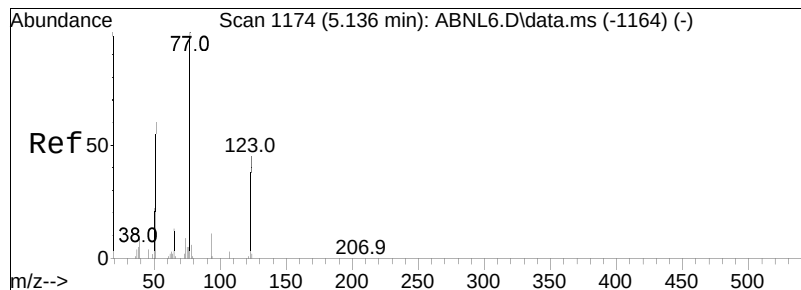




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.12 ug/ml
 RT: 4.634 min Scan# 1125
 Delta R.T. 0.000 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

Tgt Ion:	108	Resp:	22799
Ion Ratio	Lower	Upper	
108	100		
107	113.6	88.6	132.8
90	12.0	8.8	13.2





#20

Nitrobenzene

Concen: 1.13 ug/ml

RT: 4.727 min Scan# 1155

Delta R.T. 0.000 min

Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm

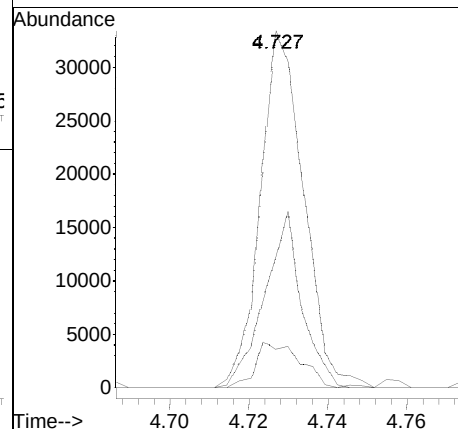
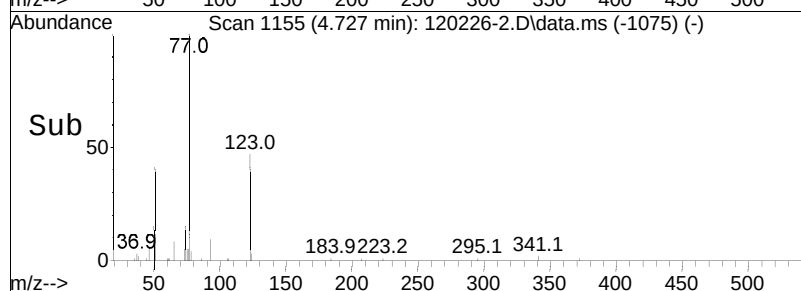
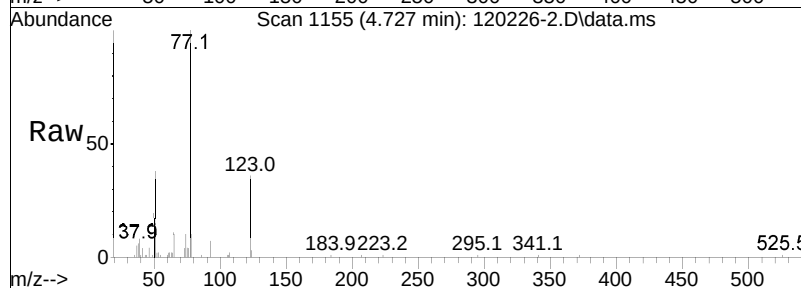
Tgt Ion: 77 Resp: 25215

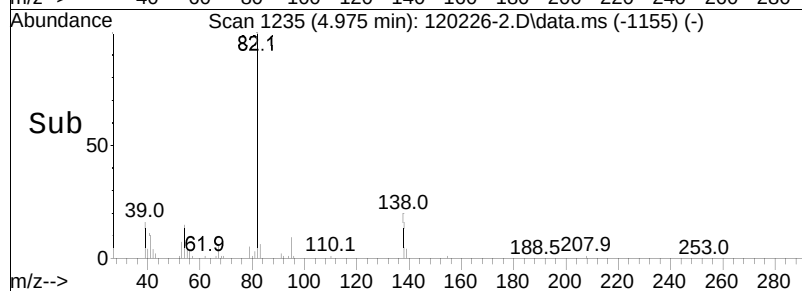
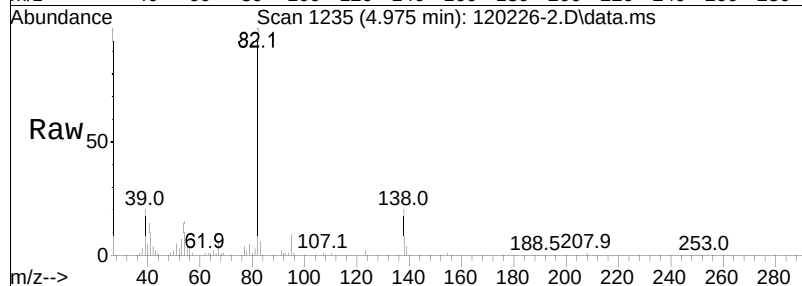
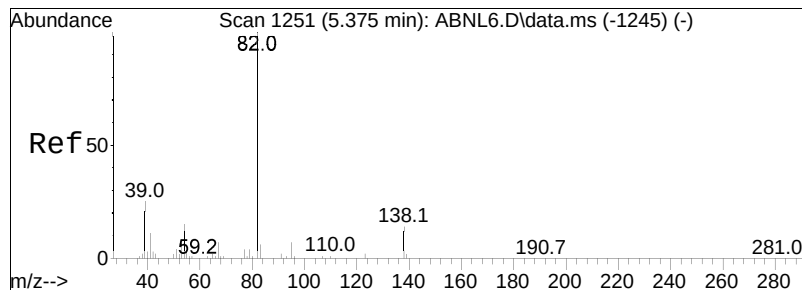
Ion Ratio Lower Upper

77 100

123 42.5 36.3 54.5

65 13.1 11.6 17.4





#21

Isophorone

Concen: 1.11 ug/ml

RT: 4.975 min Scan# 1235

Delta R.T. 0.000 min

Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm

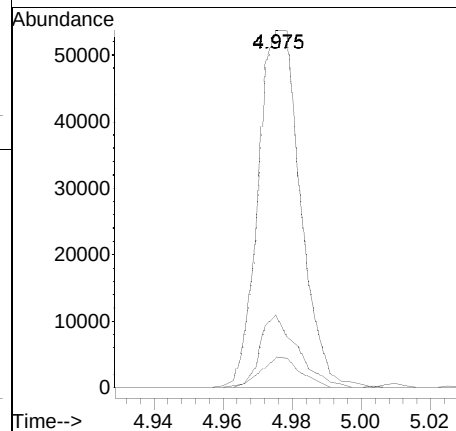
Tgt Ion: 82 Resp: 45245

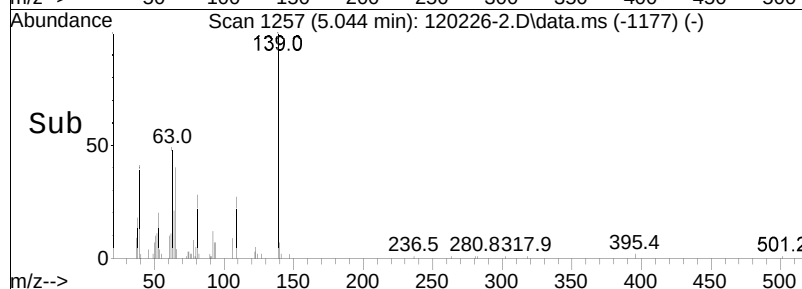
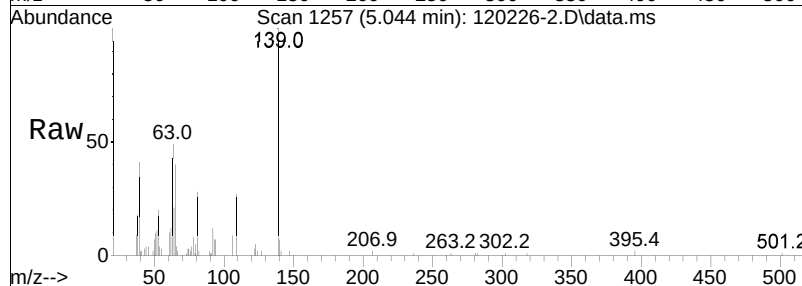
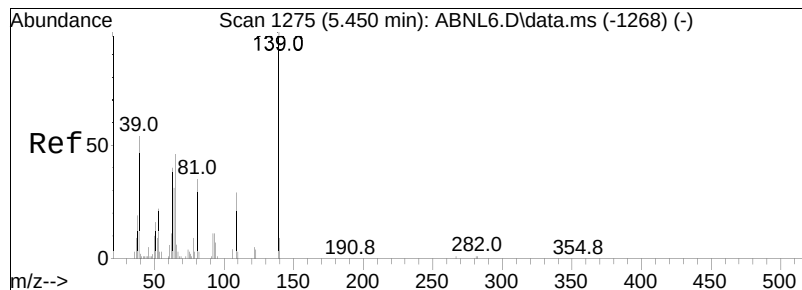
Ion Ratio Lower Upper

82 100

138 18.0 14.7 22.1

95 8.1 5.2 7.8#





#22

2-Nitrophenol

Concen: 1.35 ug/ml

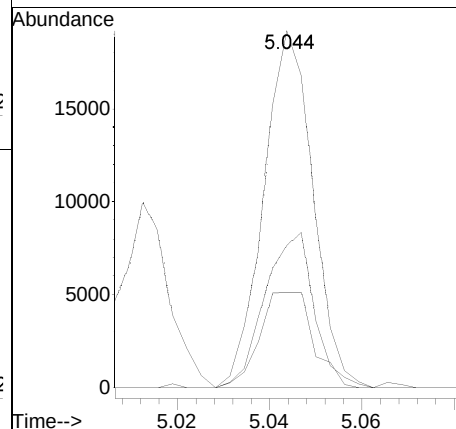
RT: 5.044 min Scan# 1257

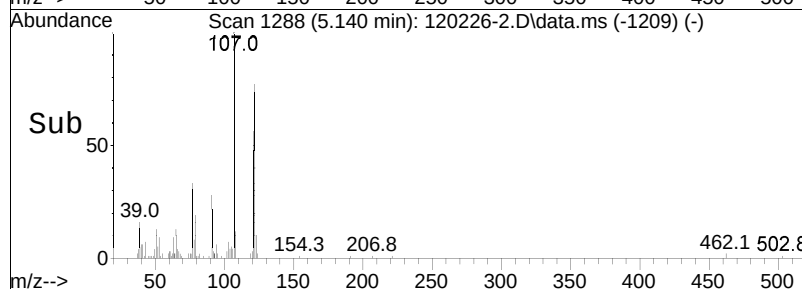
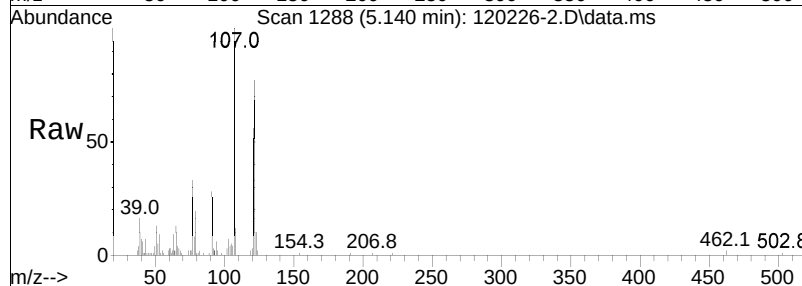
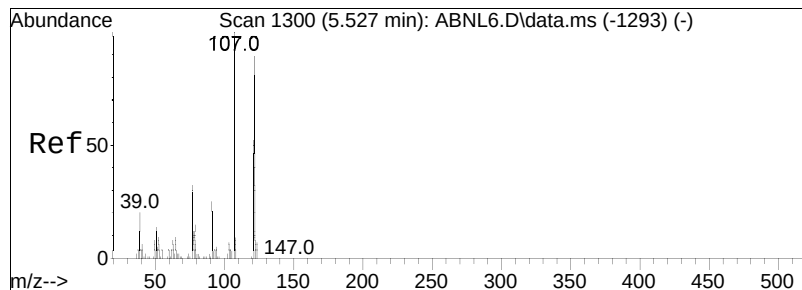
Delta R.T. 0.000 min

Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm

Tgt Ion:	139	Resp:	14181
Ion Ratio	Lower	Upper	
139	100		
109	29.0	19.4	29.0
65	43.5	46.1	69.1#





#23

2,4-Dimethylphenol

Concen: 1.15 ug/ml

RT: 5.140 min Scan# 1288

Delta R.T. -0.003 min

Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm

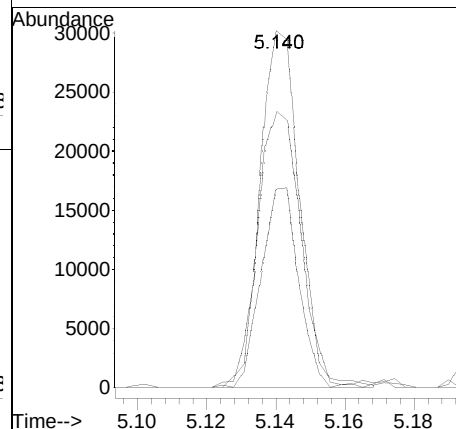
Tgt Ion:107 Resp: 24088

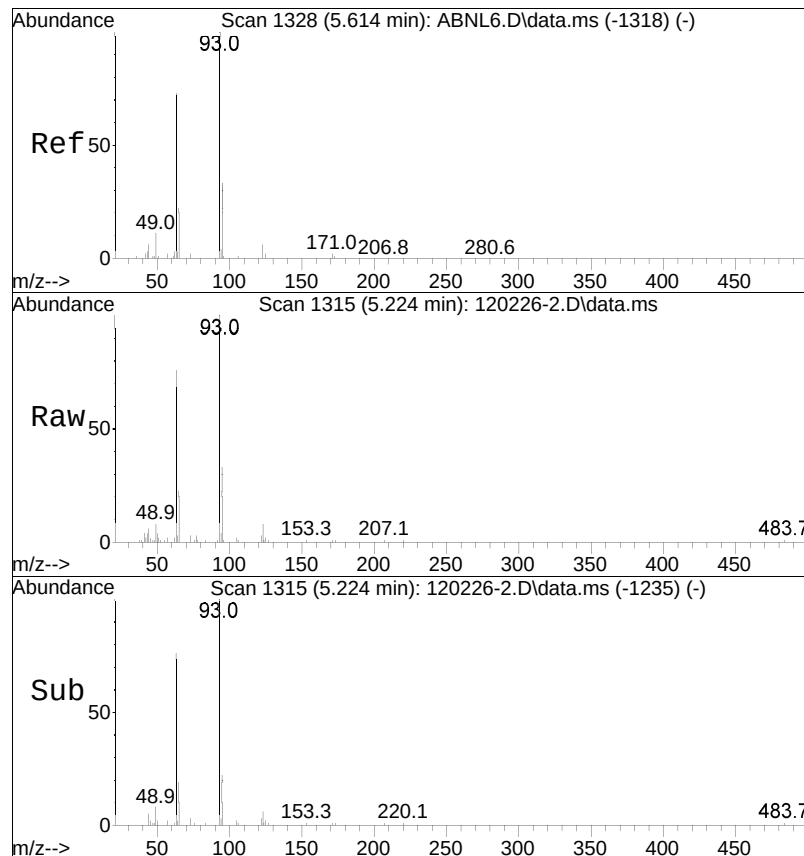
Ion Ratio Lower Upper

107 100

121 53.1 40.0 60.0

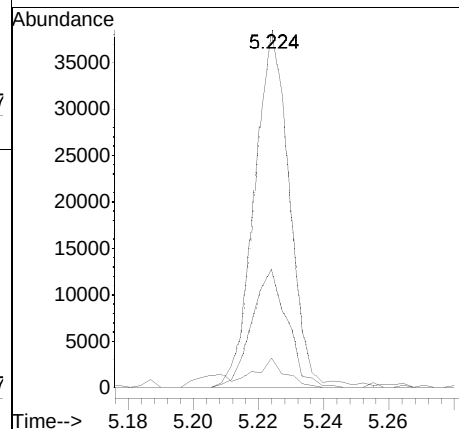
122 82.5 70.2 105.4

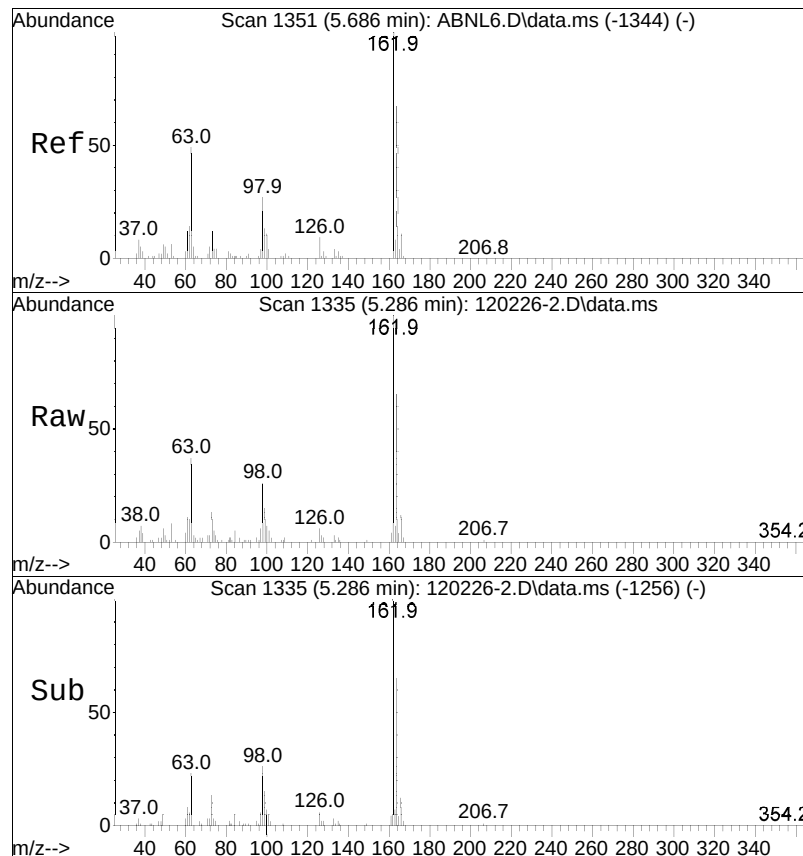




#24
 Bis(2-chloroethoxy)methane
 Concen: 1.05 ug/ml
 RT: 5.224 min Scan# 1315
 Delta R.T. 0.000 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

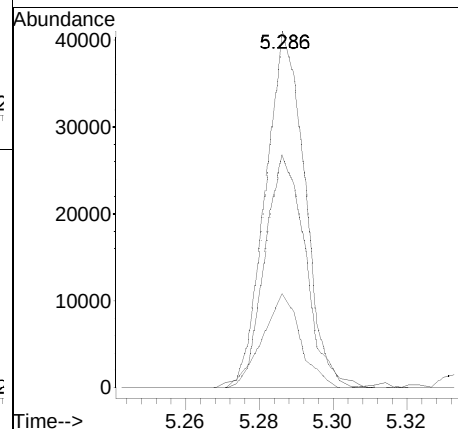
Tgt Ion:	93	Resp:	28573
Ion Ratio	Lower	Upper	
93	100		
95	33.7	25.8	38.8
123	7.1	10.1	15.1#

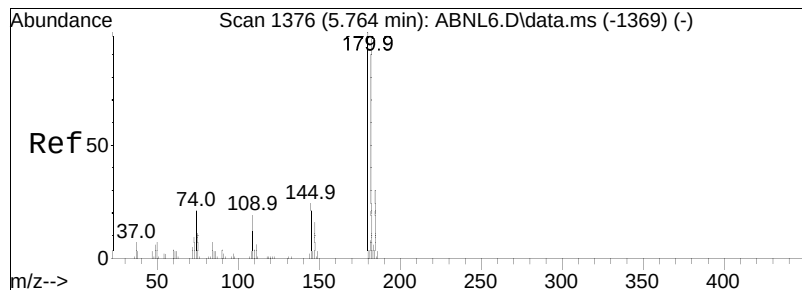




#25
 2,4-Dichlorophenol
 Concen: 1.30 ug/ml
 RT: 5.286 min Scan# 1335
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

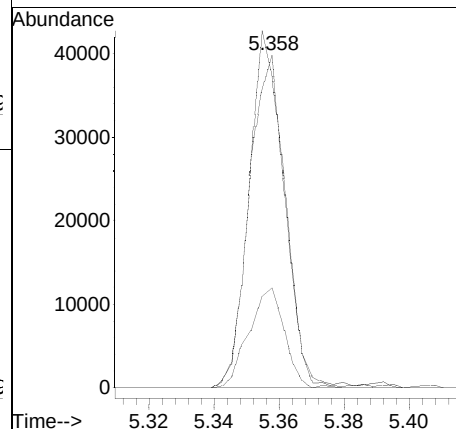
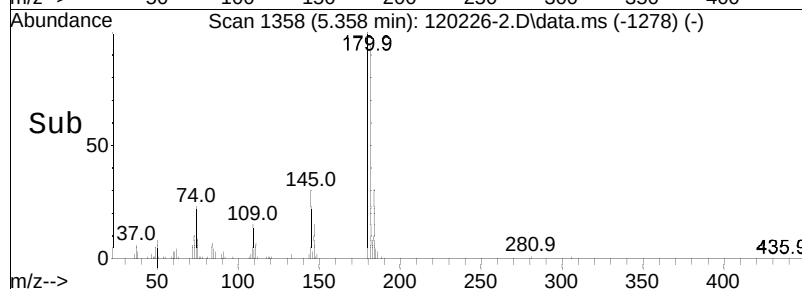
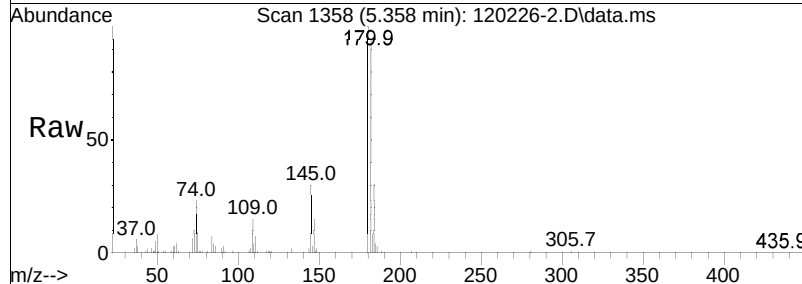
Tgt Ion:	162	Resp:	30600
Ion Ratio	Lower	Upper	
162	100		
164	66.4	51.0	76.4
98	25.6	32.2	48.2#

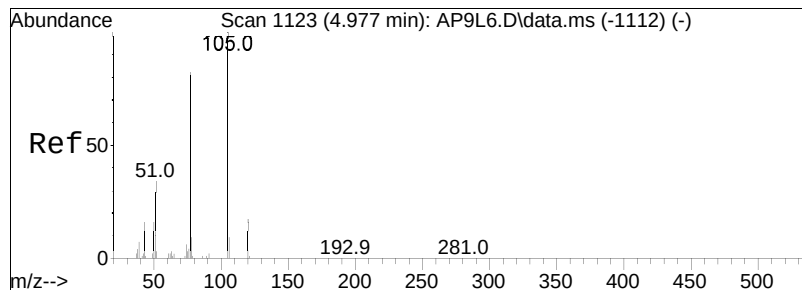




#26
 1,2,4-Trichlorobenzene
 Concen: 1.05 ug/ml
 RT: 5.358 min Scan# 1358
 Delta R.T. 0.000 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.7	76.0	114.0
145	29.3	25.7	38.5





#29

Acetophenone

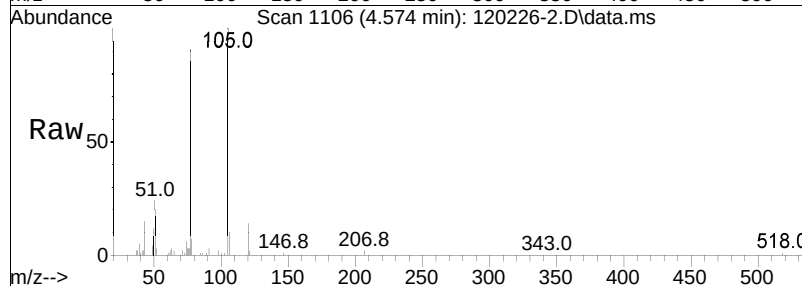
Concen: 1.06 ug/ml

RT: 4.574 min Scan# 1106

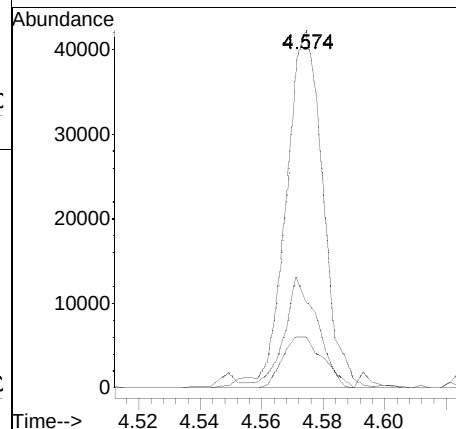
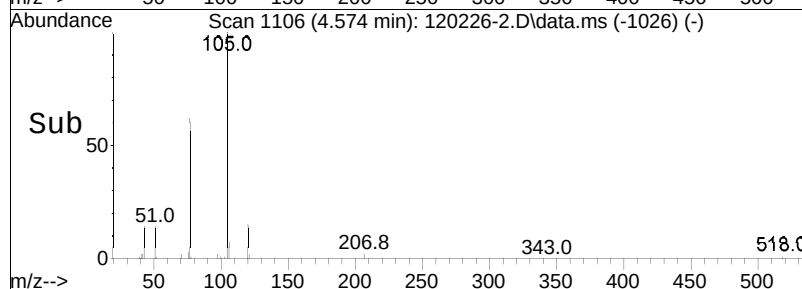
Delta R.T. 0.000 min

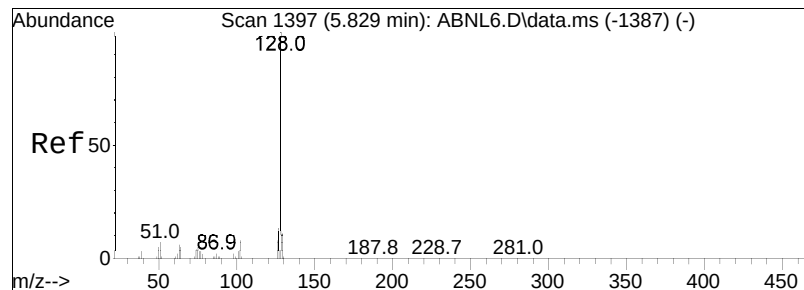
Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm



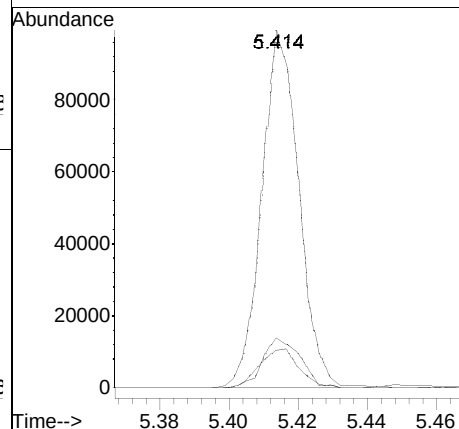
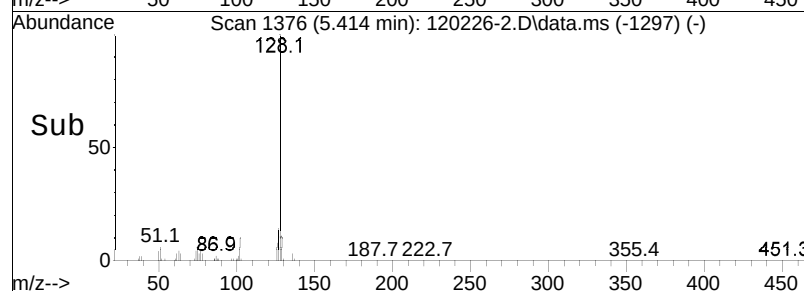
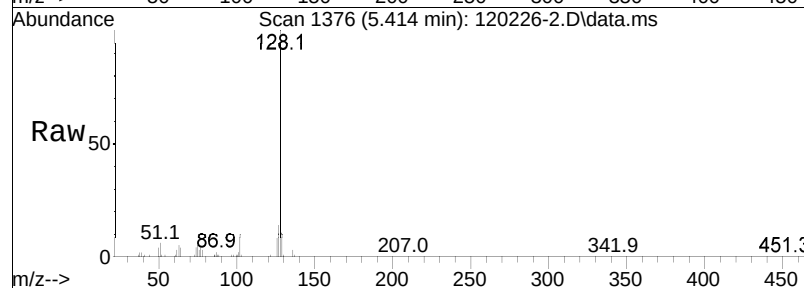
Tgt	Ion	Ratio	Resp	Lower	Upper
105	105	100	34839		
120	120	15.6	20.5	30.7#	
51	51	28.2	34.9	52.3#	

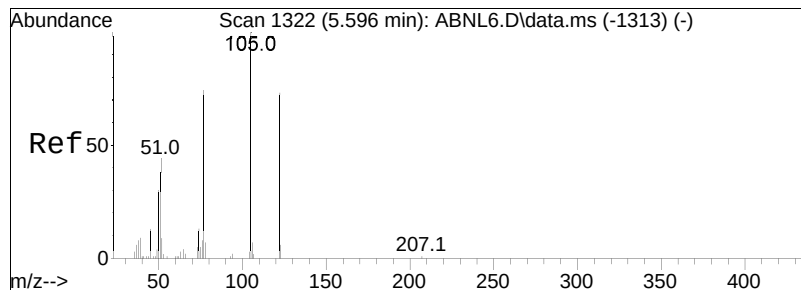




#38
Naphthalene
Concen: 1.00 ug/ml
RT: 5.414 min Scan# 1376
Delta R.T. -0.003 min
Lab File: 120226-2.D
Acq: 28 Sep 2025 10:17 pm

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	73126		
129	11.9		8.7	13.1
127	14.5		10.3	15.5





#39

Benzoic Acid

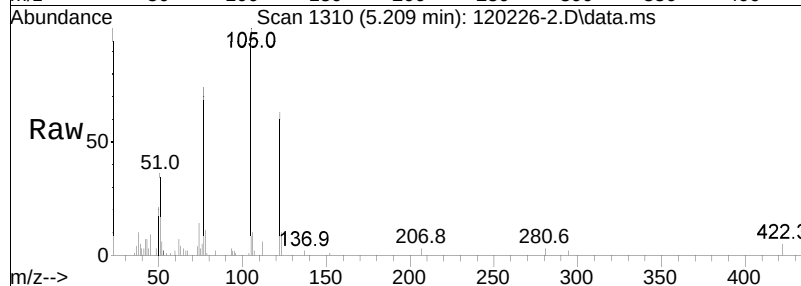
Concen: 1.81 ug/ml

RT: 5.209 min Scan# 1310

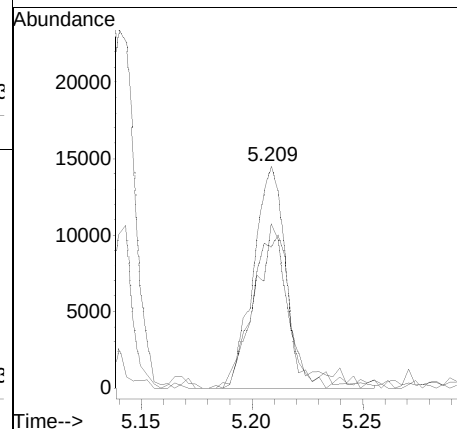
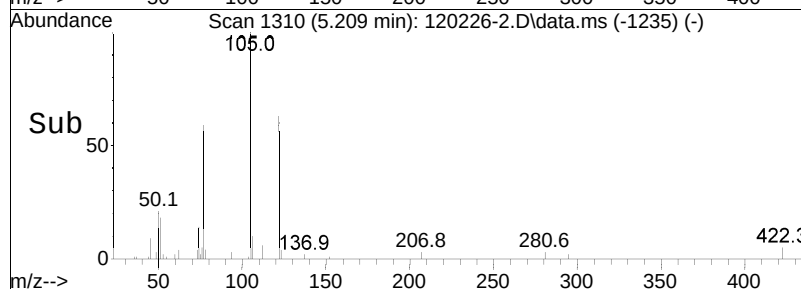
Delta R.T. -0.015 min

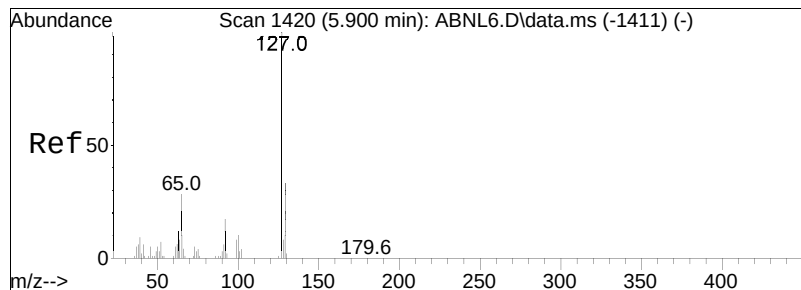
Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm



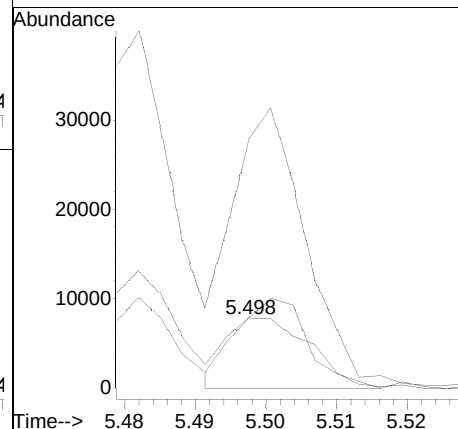
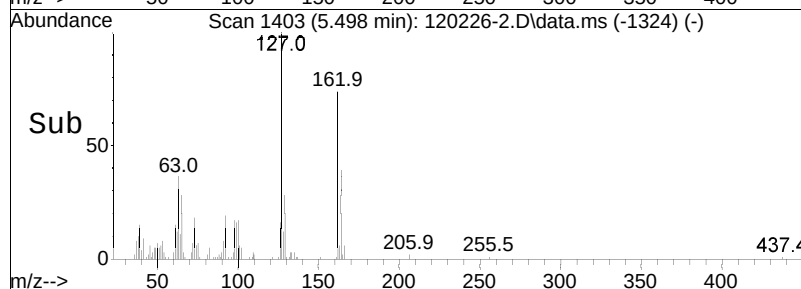
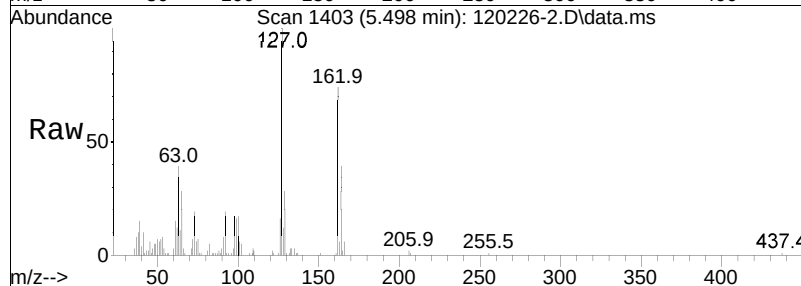
Tgt	Ion:105	Resp:	15847
Ion	Ratio	Lower	Upper
105	100		
122	72.3	59.9	89.9
77	68.6	60.1	90.1

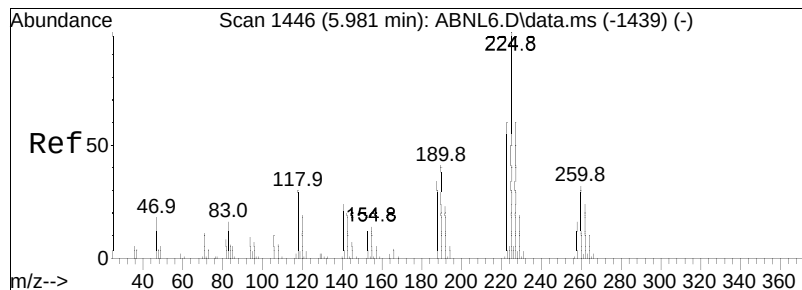




#40
 4-Chloroaniline
 Concen: 0.67 ug/ml M3
 RT: 5.498 min Scan# 1403
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

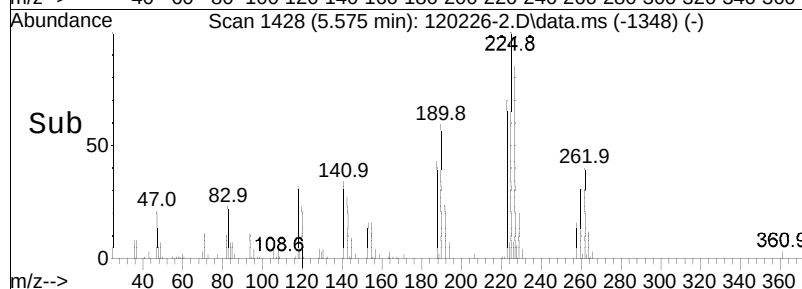
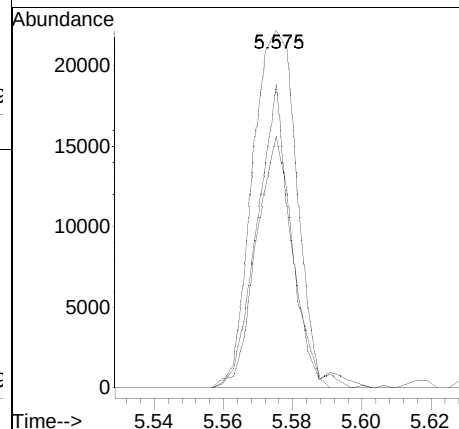
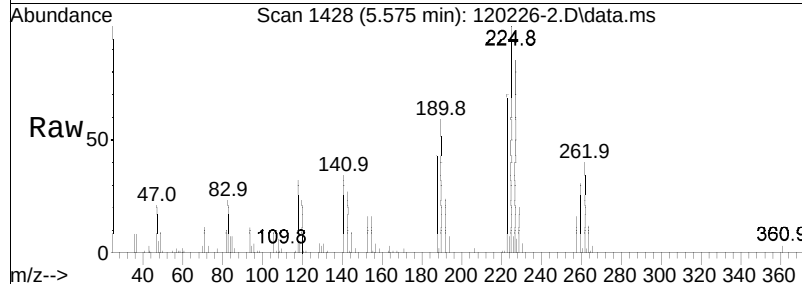
Tgt Ion	Ratio	Lower	Upper
65	100		
127	473.1	237.6	356.4#
129	152.7	76.3	114.5#

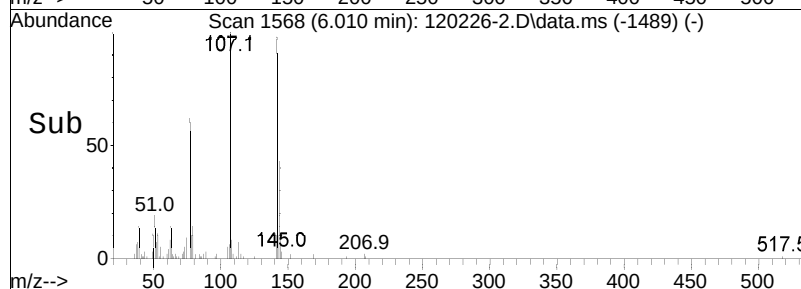
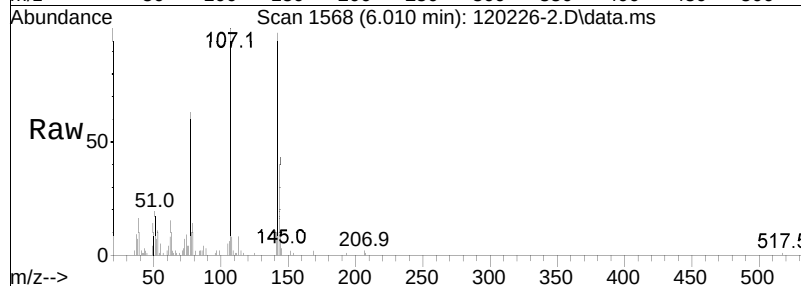
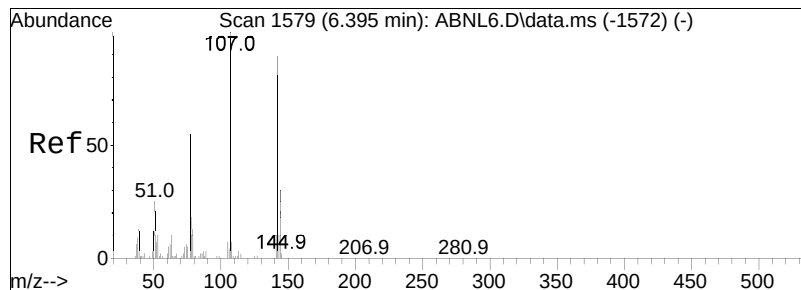




#41
 Hexachlorobutadiene
 Concen: 1.01 ug/ml
 RT: 5.575 min Scan# 1428
 Delta R.T. 0.000 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

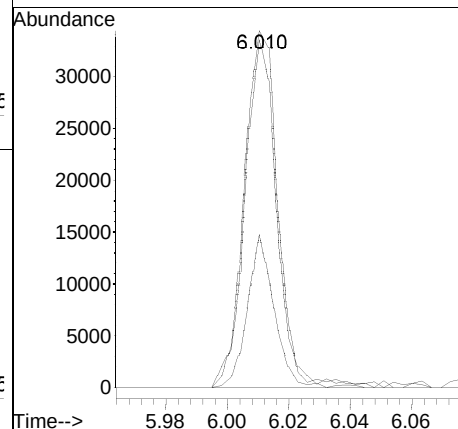
Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.9	50.3	75.5
227	63.7	52.2	78.2

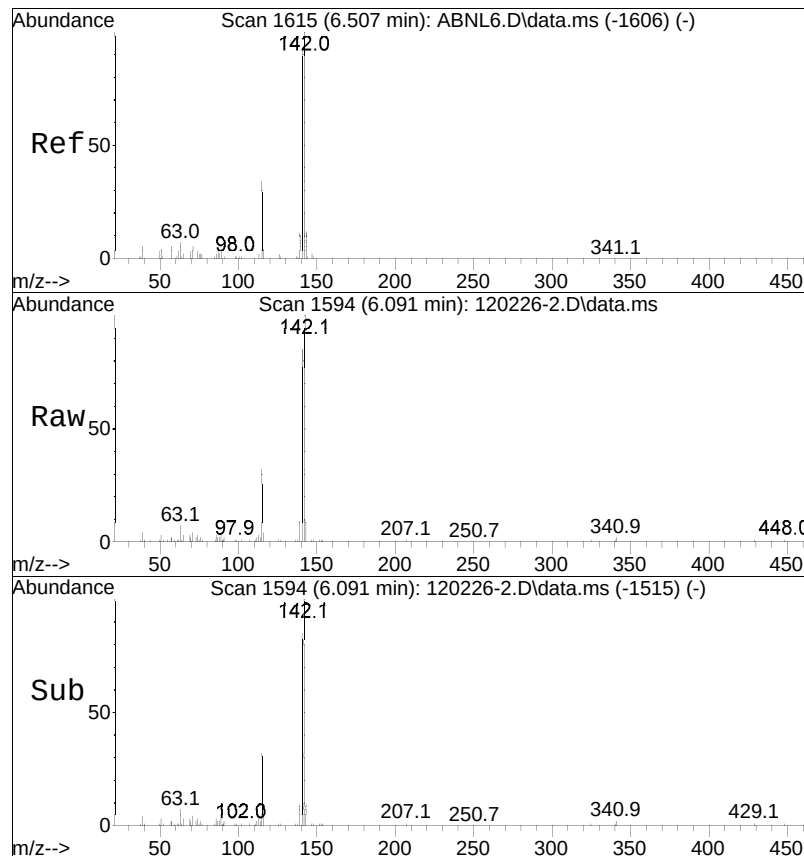




#42
 p-Chloro-m-cresol
 Concen: 1.34 ug/ml
 RT: 6.010 min Scan# 1568
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

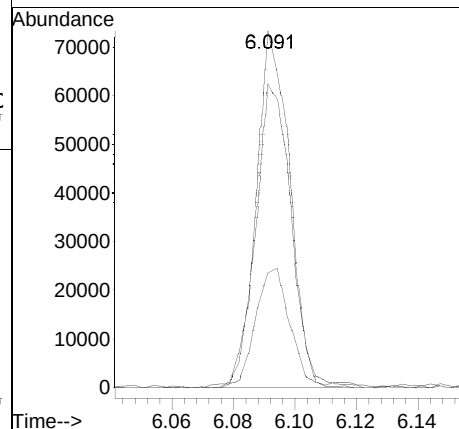
Tgt Ion	Ratio	Lower	Upper
107	100		
144	34.0	20.9	31.3#
142	93.1	66.1	99.1

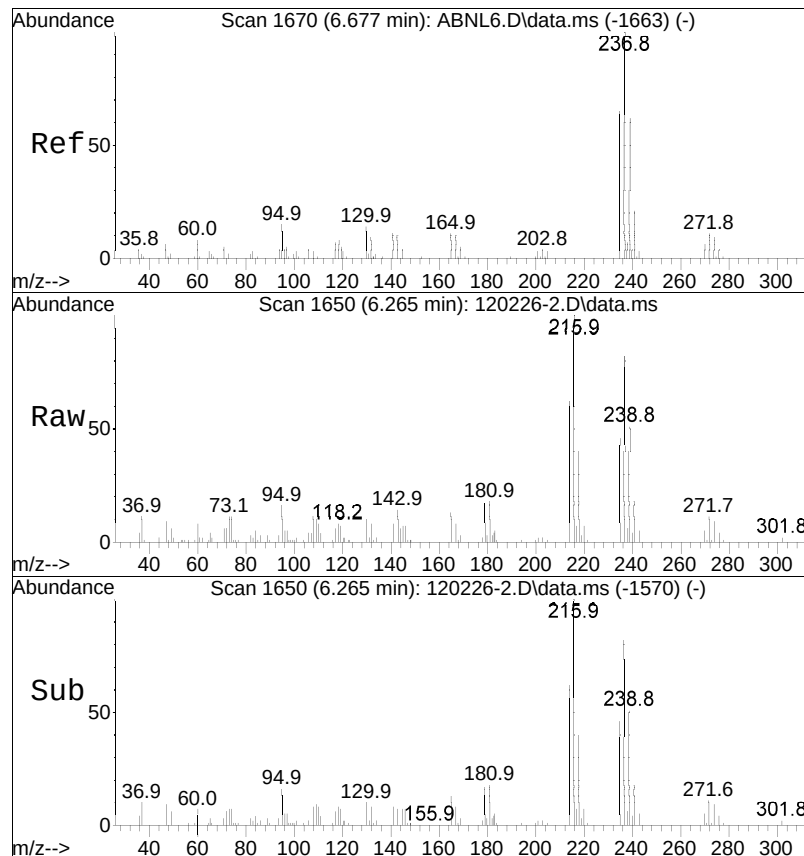




#43
 2-Methylnaphthalene
 Concen: 1.16 ug/ml
 RT: 6.091 min Scan# 1594
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

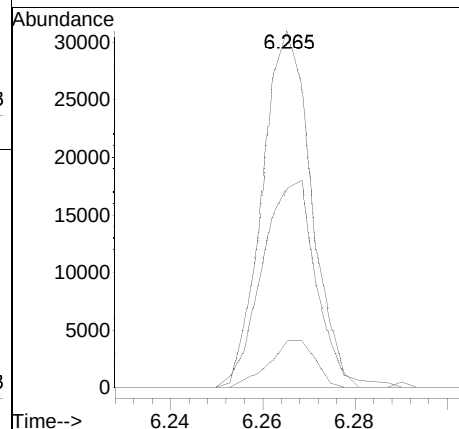
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.6	104.4
115	34.2	26.6	40.0

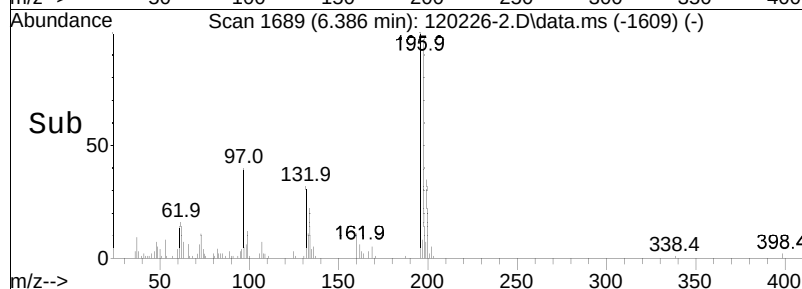
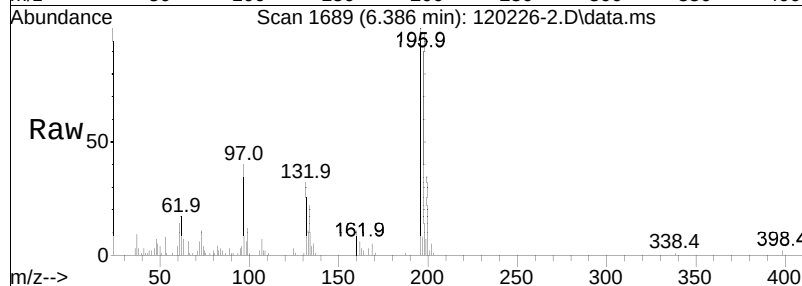
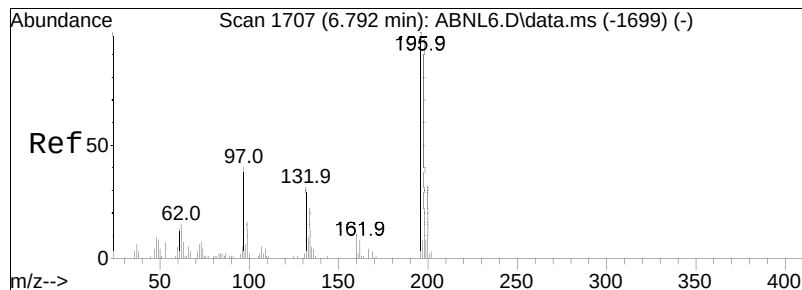




#45
 Hexachlorocyclopentadiene
 Concen: 1.01 ug/ml
 RT: 6.265 min Scan# 1650
 Delta R.T. 0.000 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

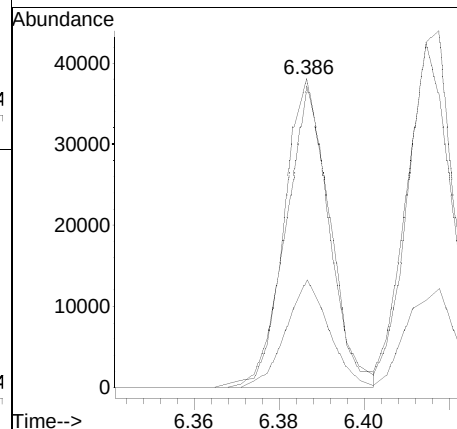
Tgt Ion	Ratio	Lower	Upper
237	100		
235	64.7	49.7	74.5
272	12.6	9.8	14.6

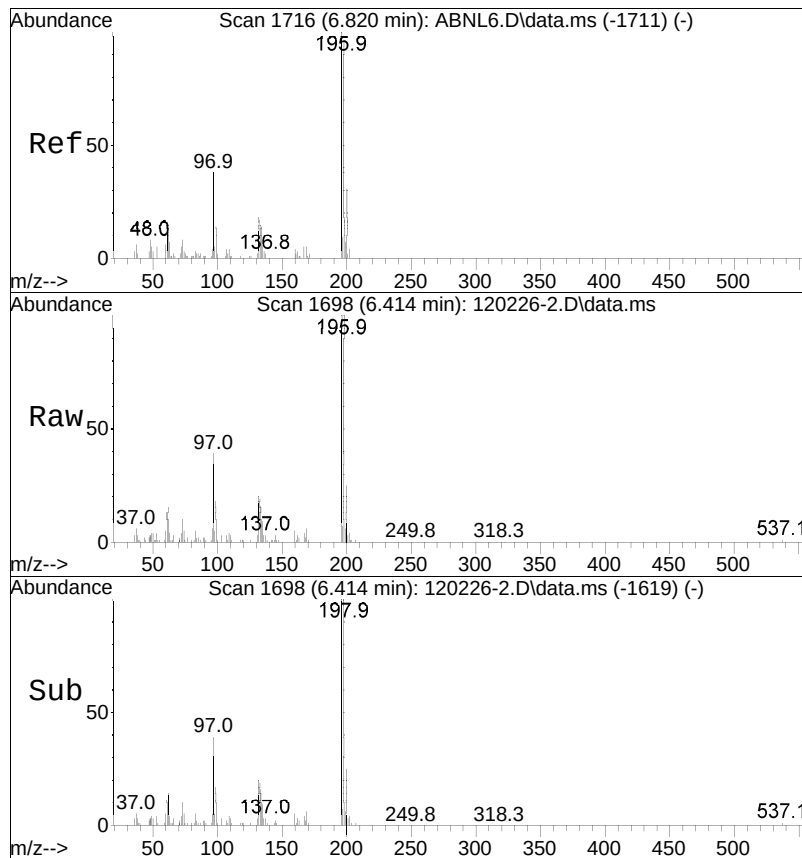




#46
 2,4,6-Trichlorophenol
 Concen: 1.35 ug/ml
 RT: 6.386 min Scan# 1689
 Delta R.T. 0.000 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

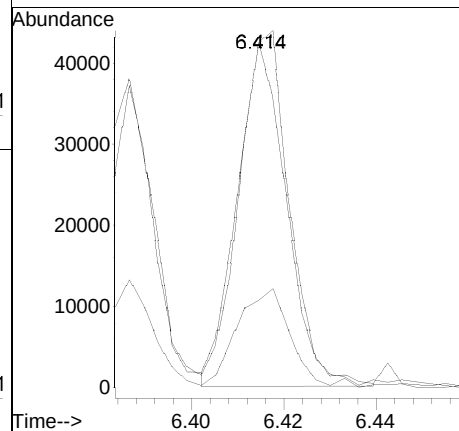
Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.1	77.5	116.3
200	33.5	23.8	35.6

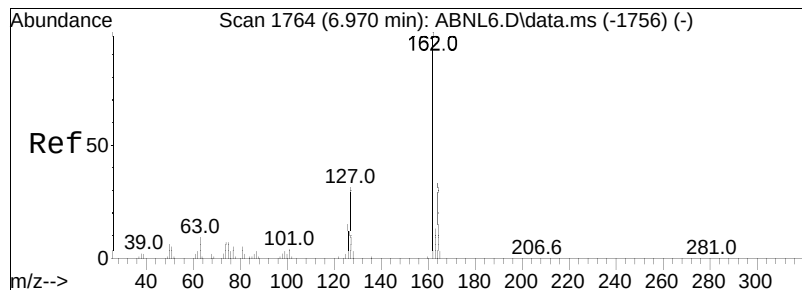




#47
 2,4,5-Trichlorophenol
 Concen: 1.38 ug/ml
 RT: 6.414 min Scan# 1698
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

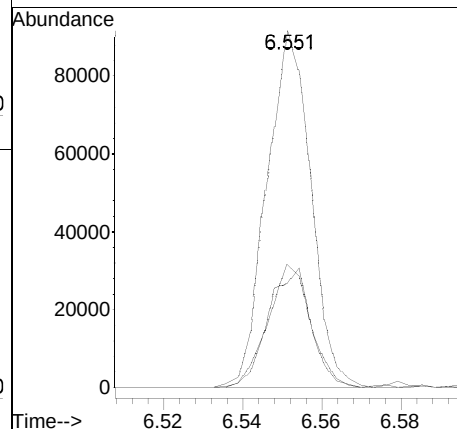
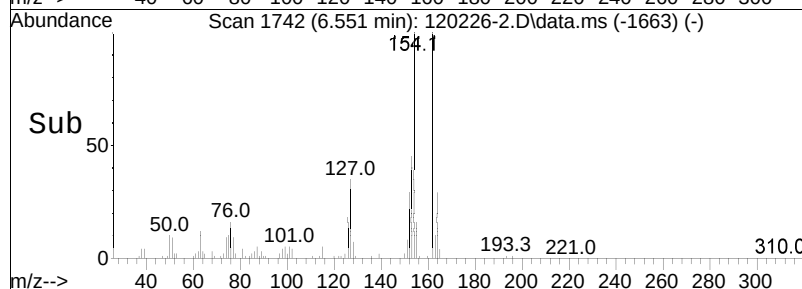
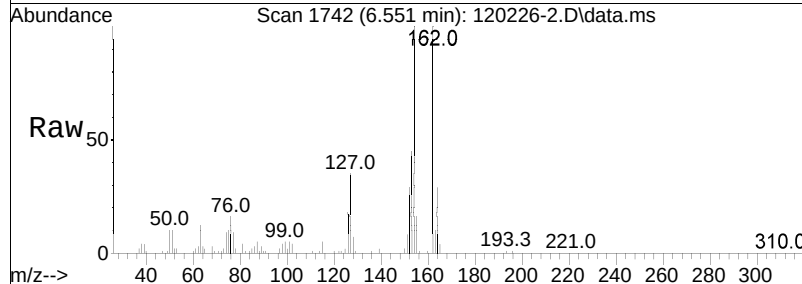
Tgt Ion:	196	Resp:	31595
Ion Ratio	Lower	Upper	
196	100		
200	29.9	25.4	38.0
198	103.9	78.0	117.0

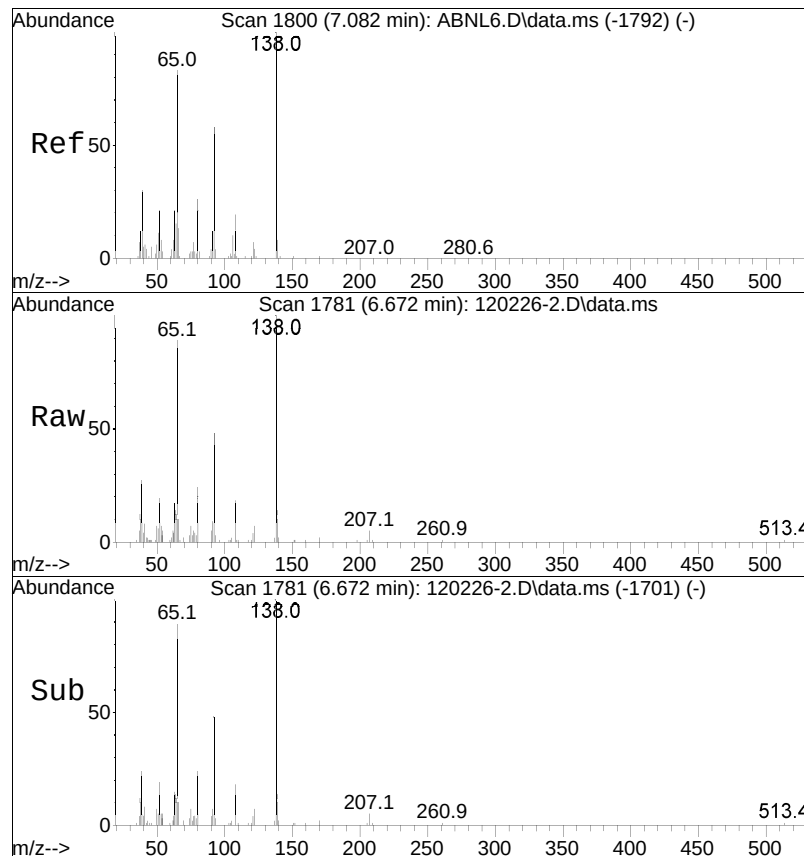




#49
 2-Chloronaphthalene
 Concen: 1.18 ug/ml
 RT: 6.551 min Scan# 1742
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

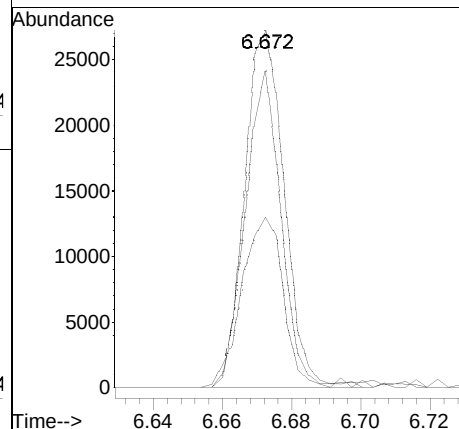
Tgt Ion:	162	Resp:	70398
Ion Ratio	Lower	Upper	
162	100		
127	33.3	32.2	48.4
164	33.4	25.7	38.5

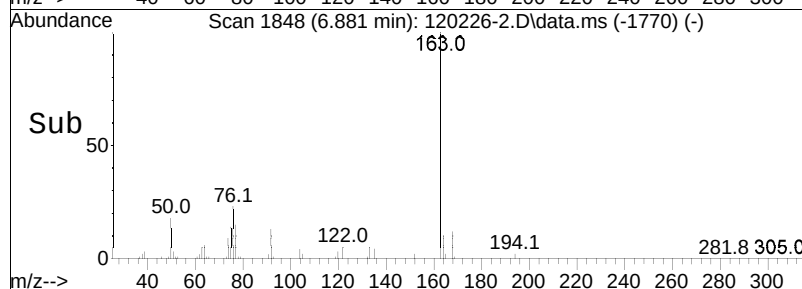
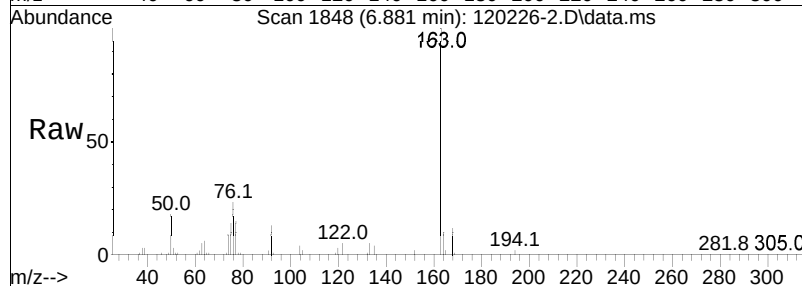
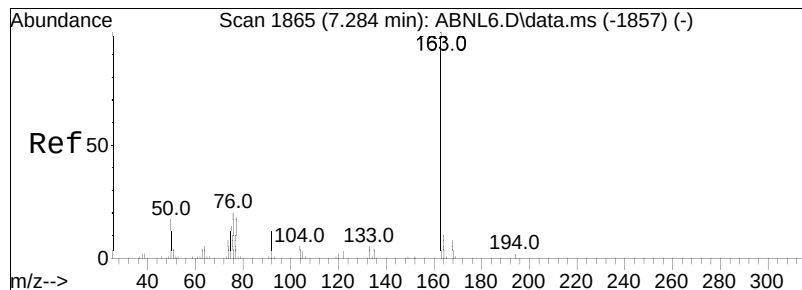




#50
 2-Nitroaniline
 Concen: 1.42 ug/ml
 RT: 6.672 min Scan# 1781
 Delta R.T. 0.000 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

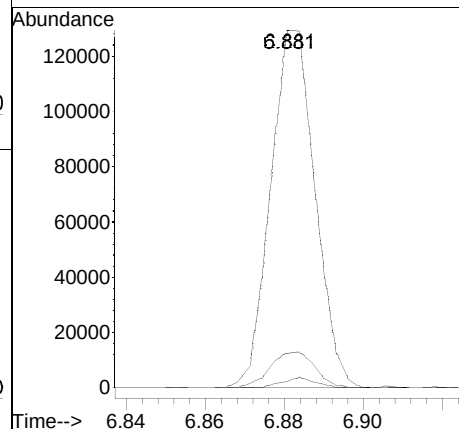
Tgt Ion:	138	Resp:	21448
Ion Ratio	Lower	Upper	
138	100		
92	49.8	53.5	80.3#
65	80.0	86.3	129.5#

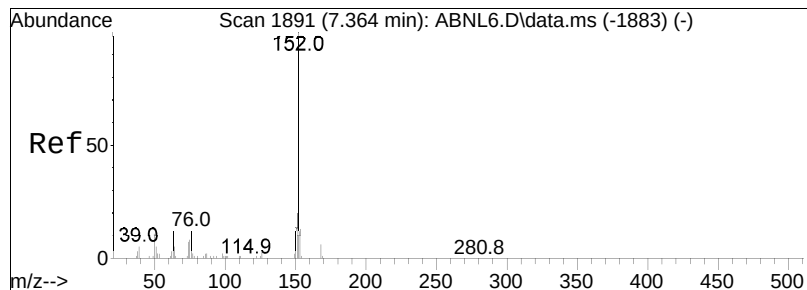




#53
 Dimethyl phthalate
 Concen: 1.34 ug/ml
 RT: 6.881 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	100230		
194	2.4		3.5	5.3#
164	10.5		7.9	11.9





#54

Acenaphthylene

Concen: 1.28 ug/ml

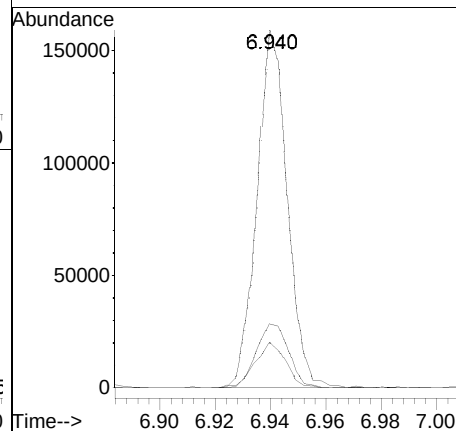
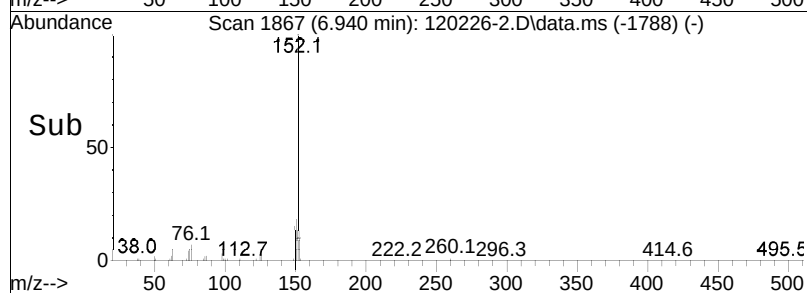
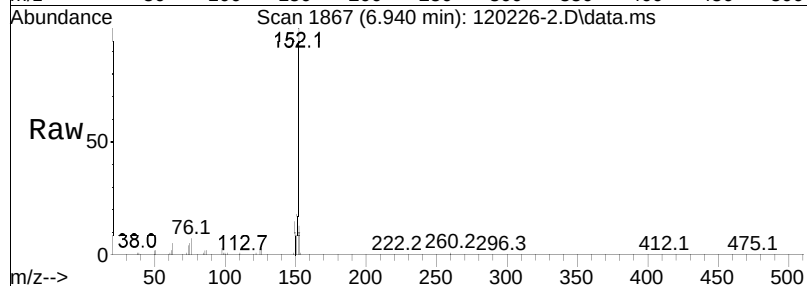
RT: 6.940 min Scan# 1867

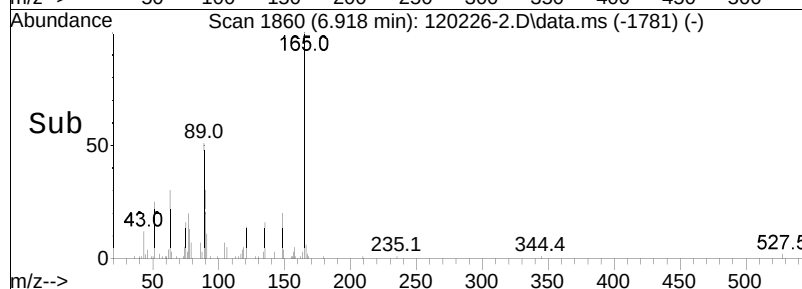
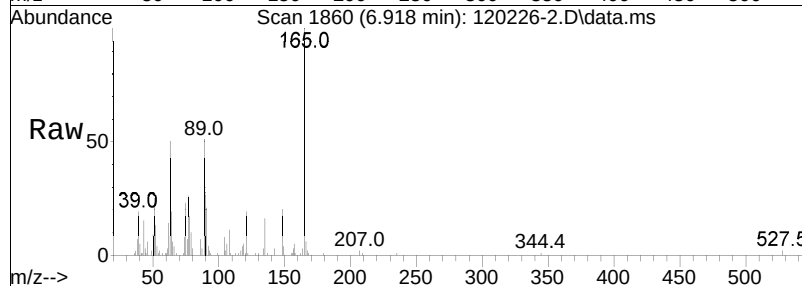
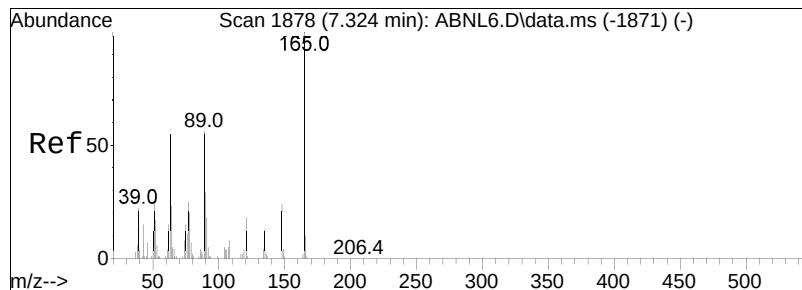
Delta R.T. -0.003 min

Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm

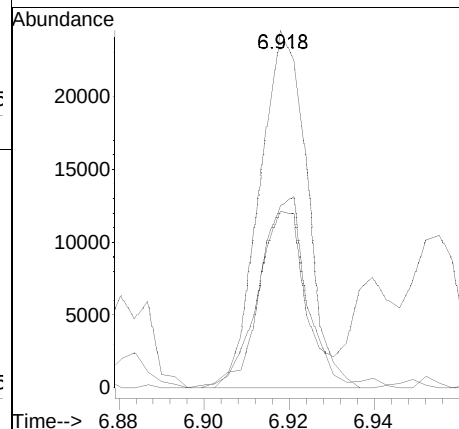
Tgt Ion:	152	Resp:	119736
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.8	23.6
153	12.9	10.5	15.7

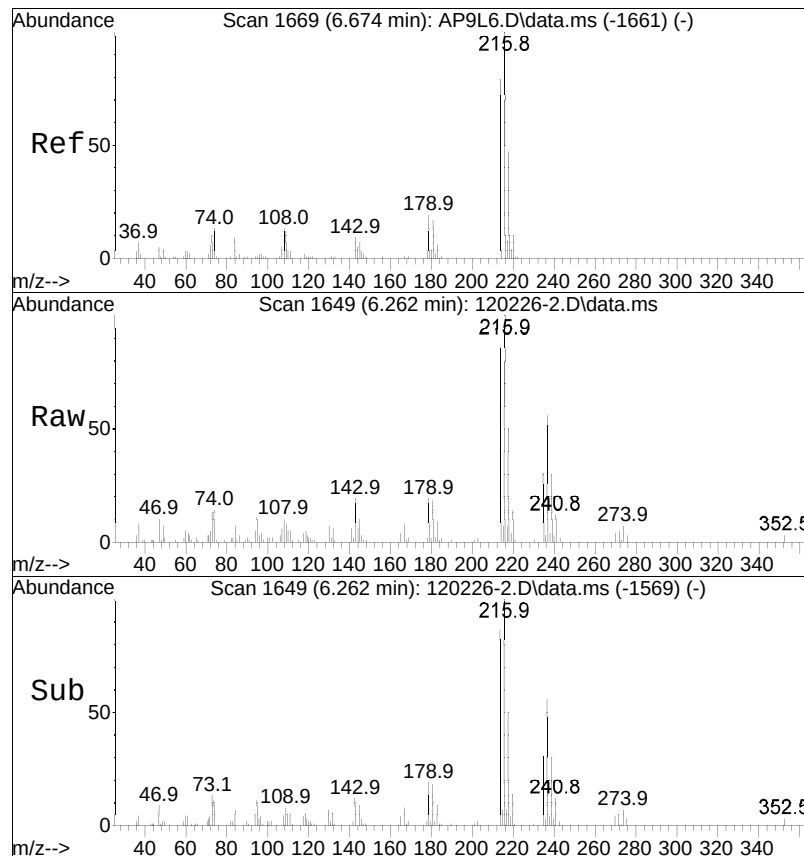




#55
 2,6-Dinitrotoluene
 Concen: 1.29 ug/ml
 RT: 6.918 min Scan# 1860
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

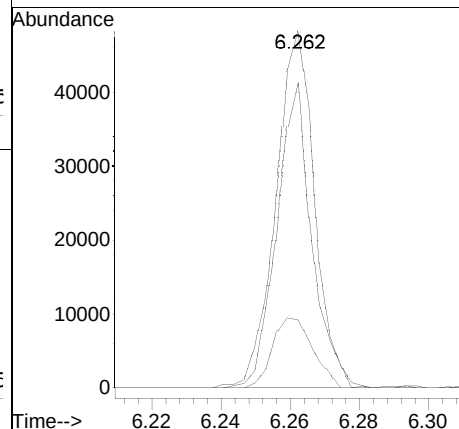
Tgt Ion	Ratio	Lower	Upper
165	100		
89	53.5	54.2	81.2#
63	51.1	64.2	96.2#

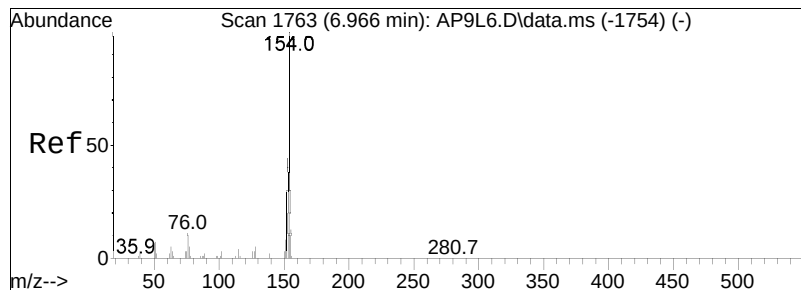




#63
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.03 ug/ml
 RT: 6.262 min Scan# 1649
 Delta R.T. 0.000 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

Tgt Ion:	216	Resp:	37514
Ion Ratio	Lower	Upper	
216	100		
214	76.9	63.7	95.5
179	20.4	19.0	28.6





#64

Biphenyl

Concen: 1.13 ug/ml

RT: 6.554 min Scan# 1743

Delta R.T. -0.003 min

Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm

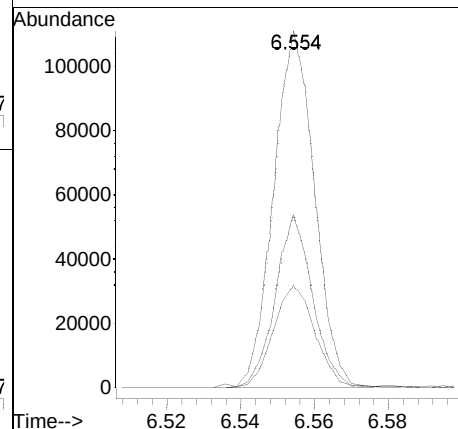
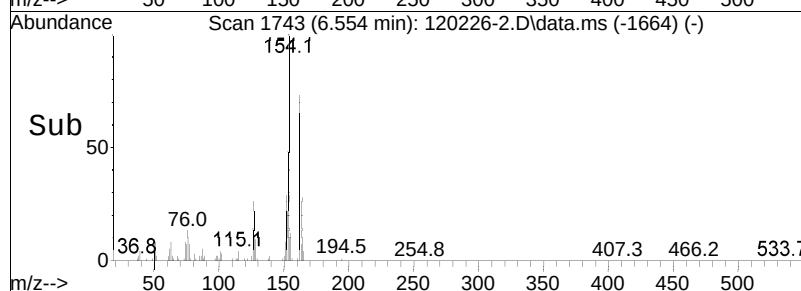
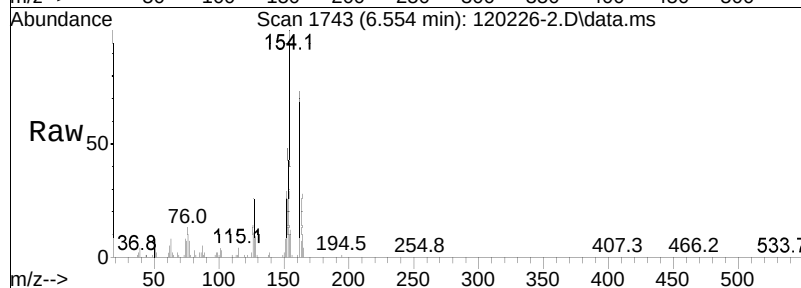
Tgt Ion:154 Resp: 84889

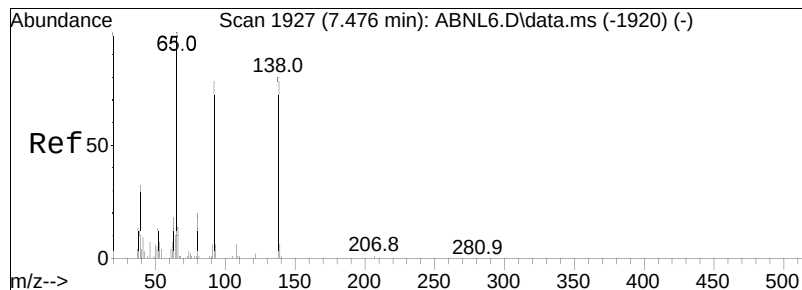
Ion Ratio Lower Upper

154 100

153 44.5 32.3 48.5

152 29.2 22.5 33.7





#66

3-Nitroaniline

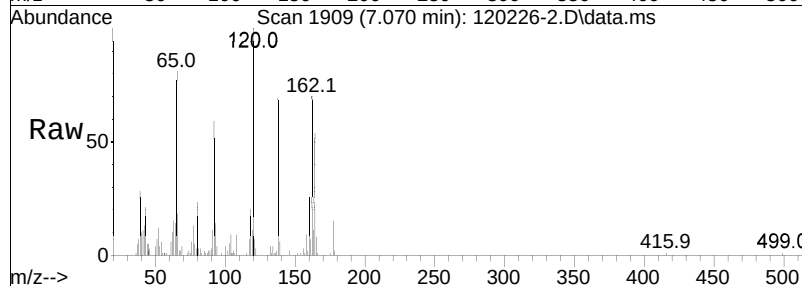
Concen: 1.25 ug/ml

RT: 7.070 min Scan# 1909

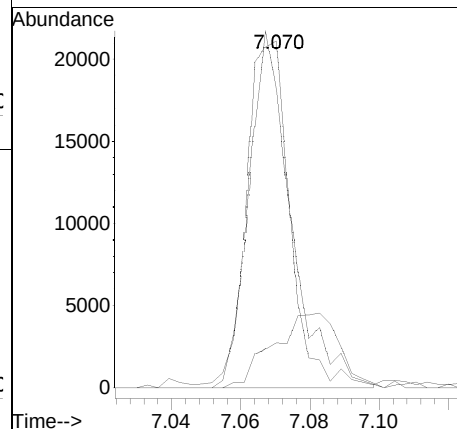
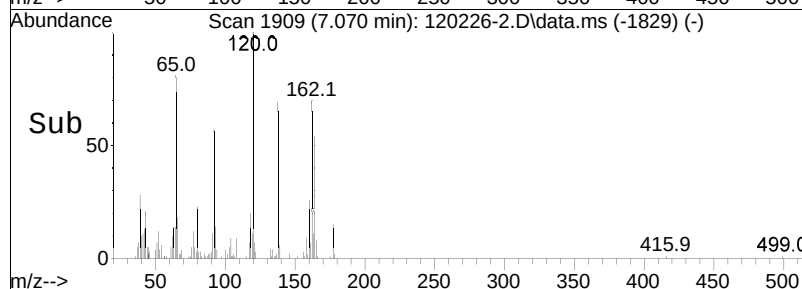
Delta R.T. 0.000 min

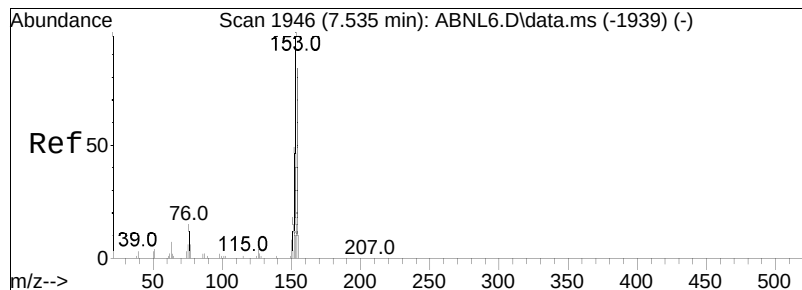
Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm



Tgt	Ion:138	Resp:	18154
Ion	Ratio	Lower	Upper
138	100		
92	101.8	93.4	140.2
108	32.9	9.5	14.3#





#67

Acenaphthene

Concen: 1.18 ug/ml

RT: 7.114 min Scan# 1923

Delta R.T. 0.000 min

Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm

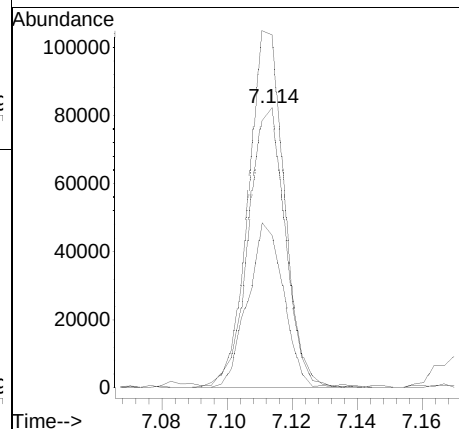
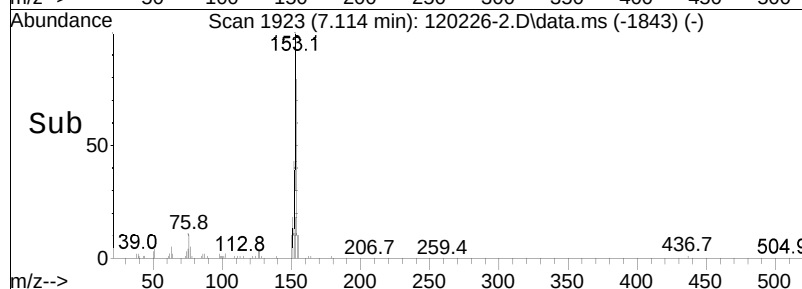
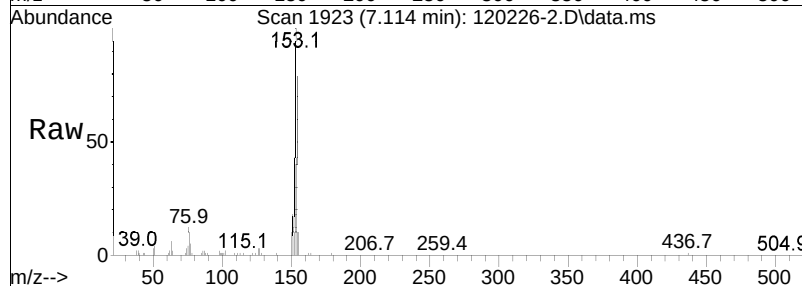
Tgt Ion:154 Resp: 64789

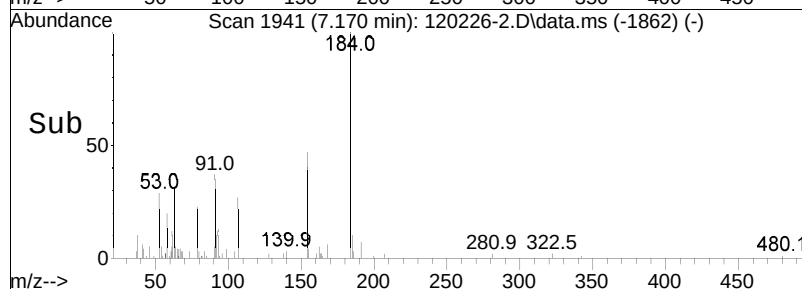
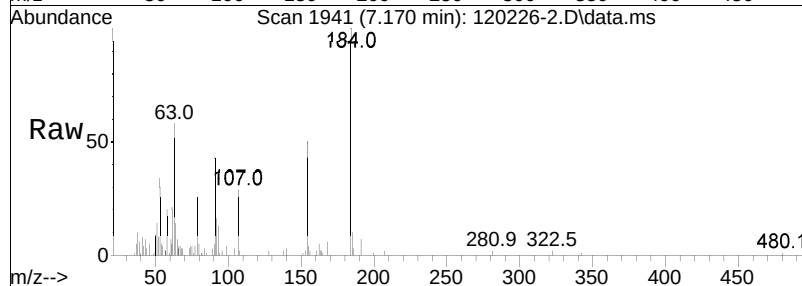
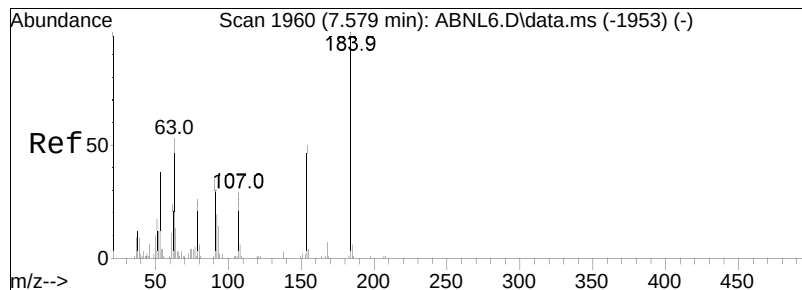
Ion Ratio Lower Upper

154 100

153 124.1 85.3 127.9

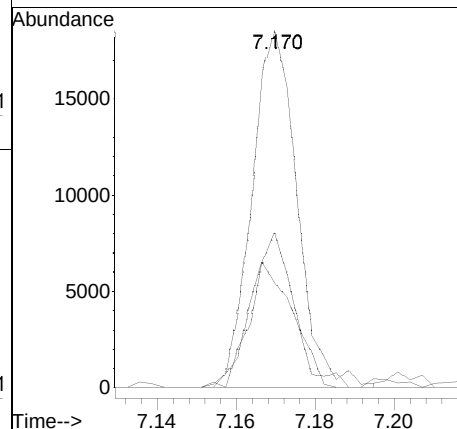
152 57.3 41.4 62.0

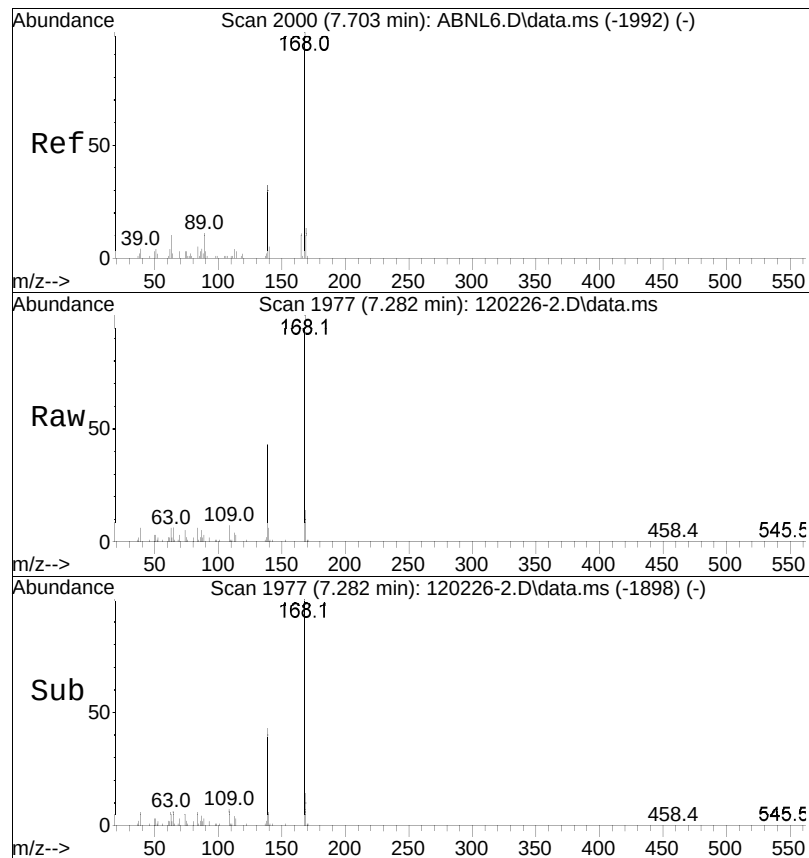




#68
 2,4-Dinitrophenol
 Concen: 1.75 ug/ml
 RT: 7.170 min Scan# 1941
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

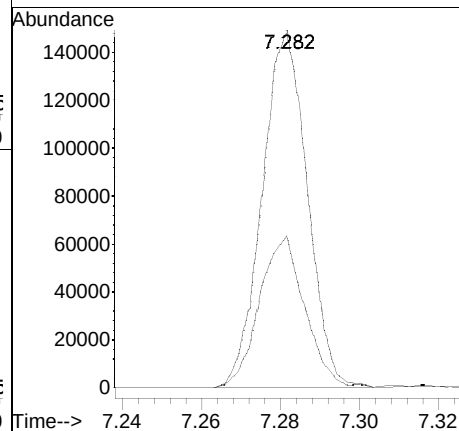
Tgt Ion	Ratio	Lower	Upper
184	100		
107	36.6	37.7	56.5#
91	39.8	46.3	69.5#

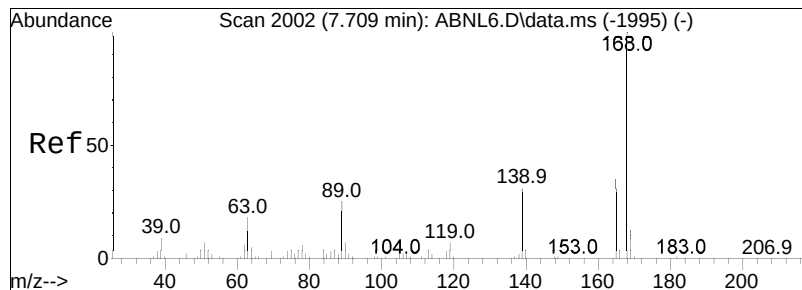




#69
 Dibenzofuran
 Concen: 1.22 ug/ml
 RT: 7.282 min Scan# 1977
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

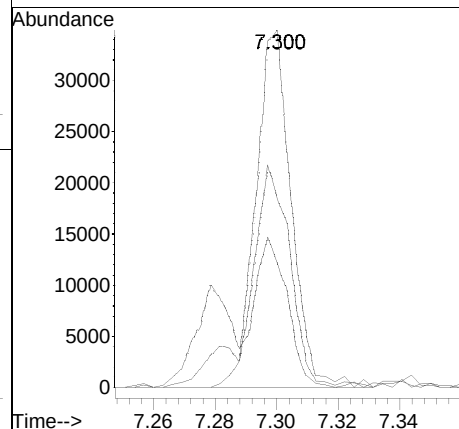
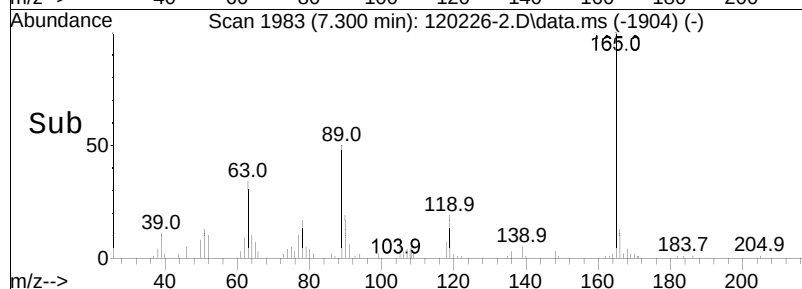
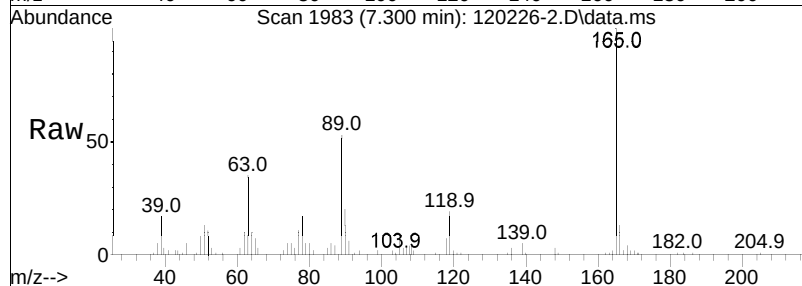
Tgt Ion	Ratio	Lower	Upper
168	100		
139	43.1	31.4	47.2

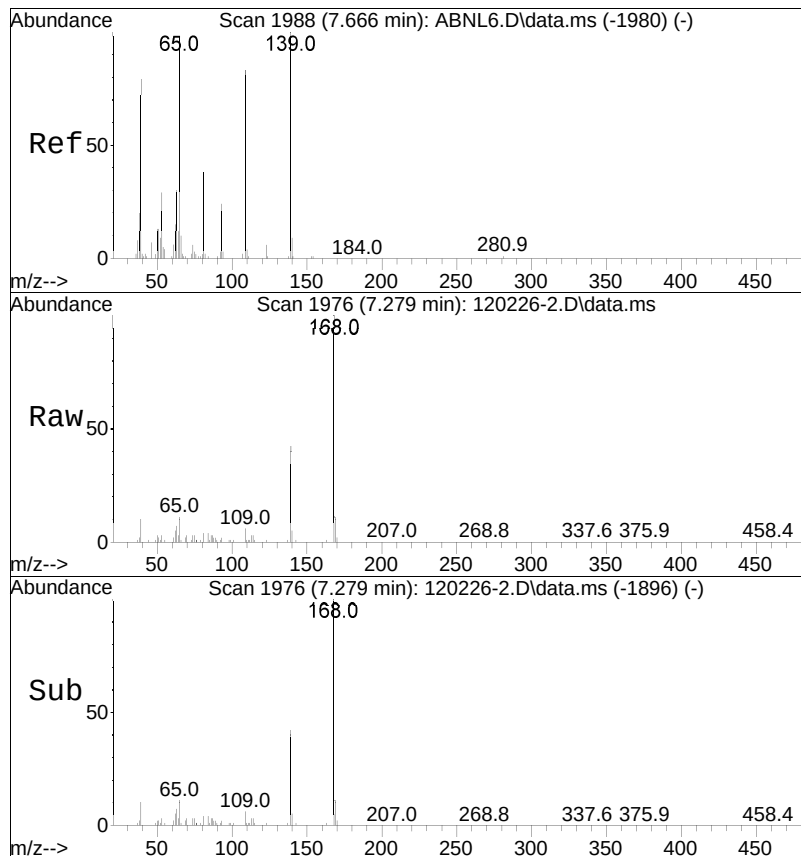




#70
 2,4-Dinitrotoluene
 Concen: 1.42 ug/ml
 RT: 7.300 min Scan# 1983
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

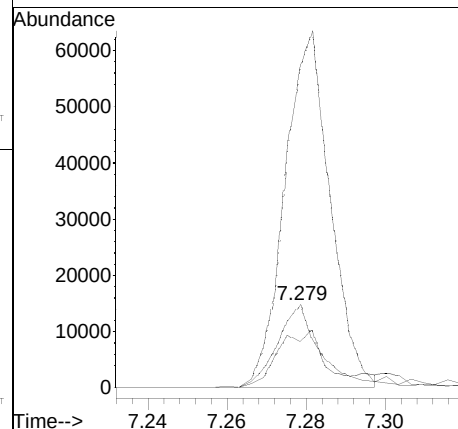
Tgt Ion	Ratio	Lower	Upper
165	100		
89	71.9	72.0	108.0#
63	38.9	52.7	79.1#

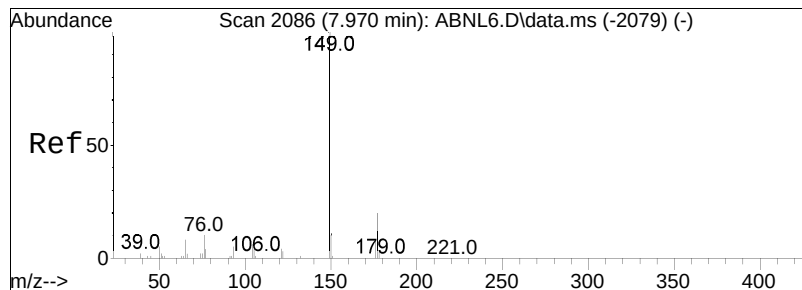




#71
 4-Nitrophenol
 Concen: 1.07 ug/ml
 RT: 7.279 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	11528		
109	77.3		47.4	71.2#
139	437.4		76.6	115.0#





#74

Diethyl phthalate

Concen: 1.44 ug/ml

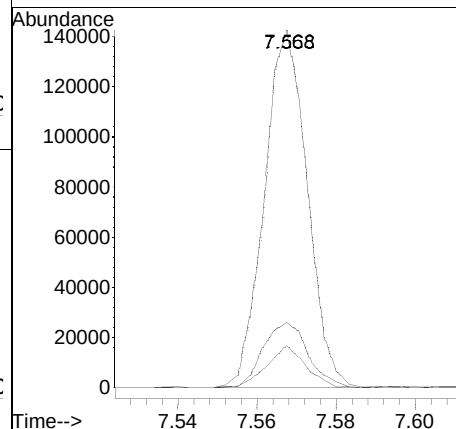
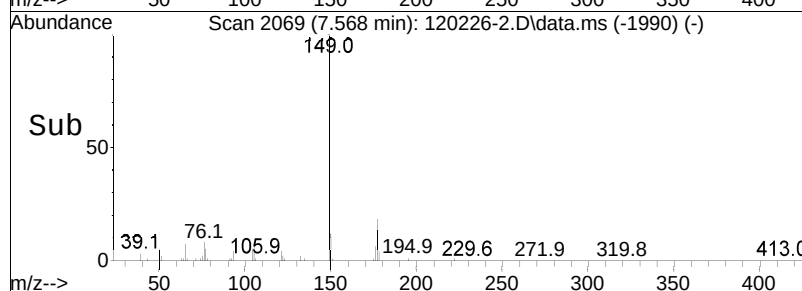
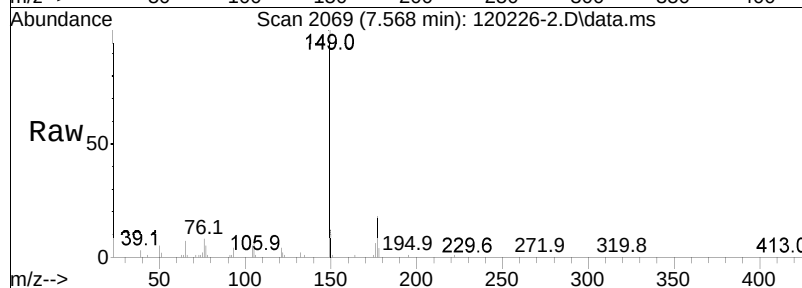
RT: 7.568 min Scan# 2069

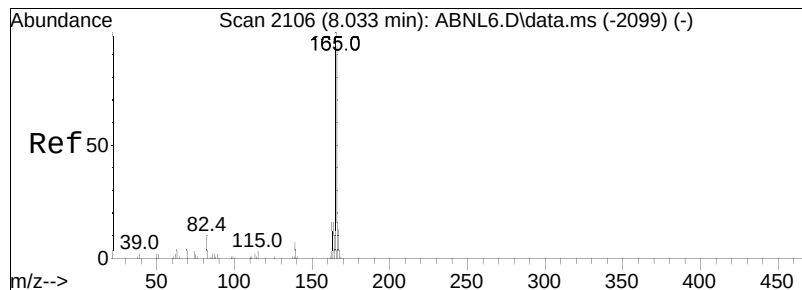
Delta R.T. -0.003 min

Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm

Tgt Ion:	149	Resp:	106151
Ion Ratio	Lower	Upper	
149	100		
177	19.2	16.1	24.1
150	10.8	9.4	14.2





#75

Fluorene

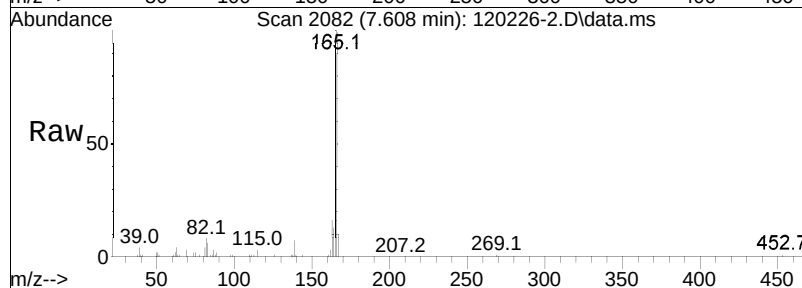
Concen: 1.33 ug/ml

RT: 7.608 min Scan# 2082

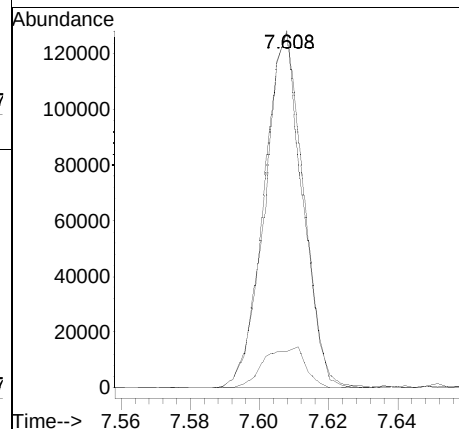
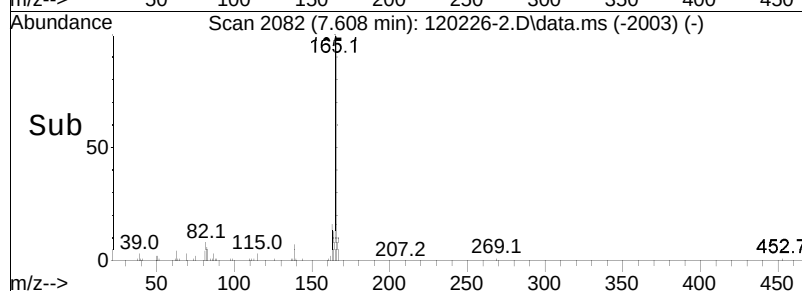
Delta R.T. -0.003 min

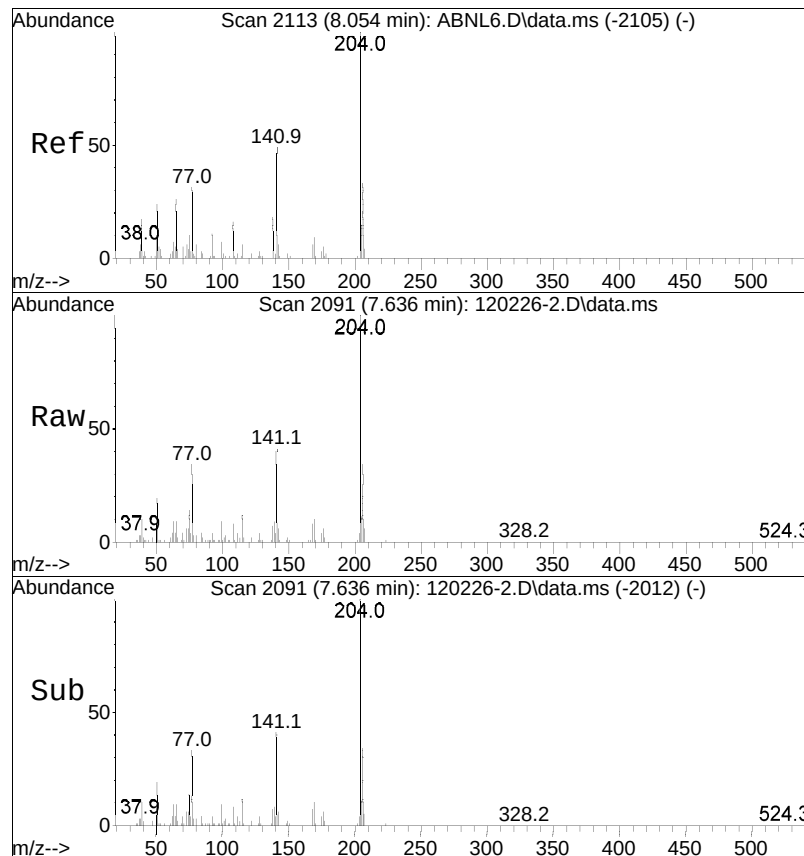
Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm



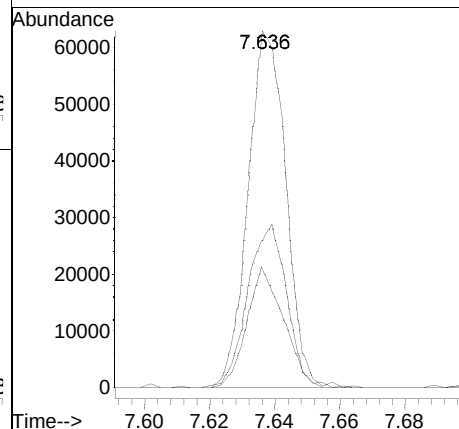
Tgt Ion:	166	Resp:	98754
Ion Ratio	Lower	Upper	
166	100		
165	99.6	76.2	114.2
167	12.5	10.6	15.8

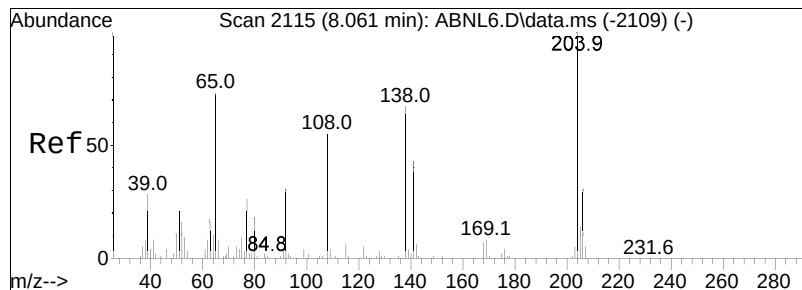




#76
 4-Chlorophenyl phenyl ether
 Concen: 1.25 ug/ml
 RT: 7.636 min Scan# 2091
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

Tgt Ion:	204	Resp:	50327
Ion Ratio	Lower	Upper	
204	100		
206	33.0	25.8	38.6
141	47.3	53.6	80.4#





#77

4-Nitroaniline

Concen: 1.43 ug/ml

RT: 7.645 min Scan# 2094

Delta R.T. -0.003 min

Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm

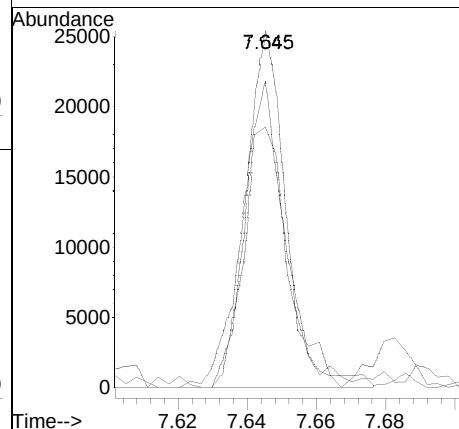
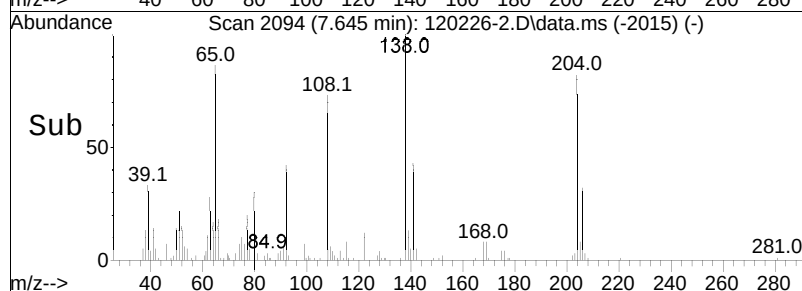
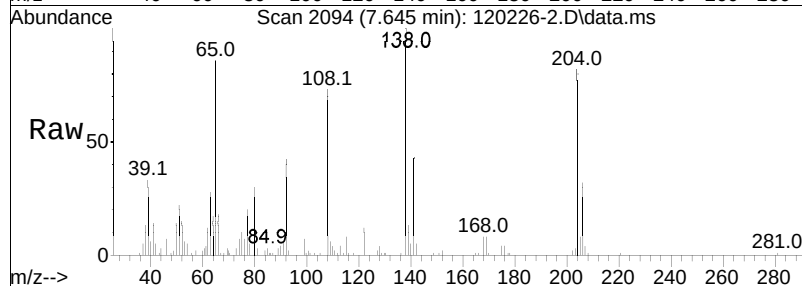
Tgt Ion:138 Resp: 20438

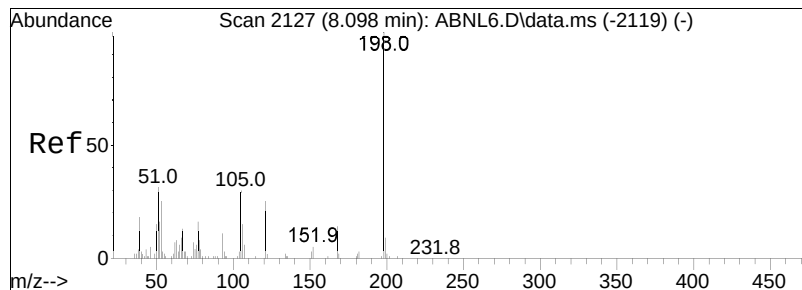
Ion Ratio Lower Upper

138 100

108 79.1 52.1 78.1#

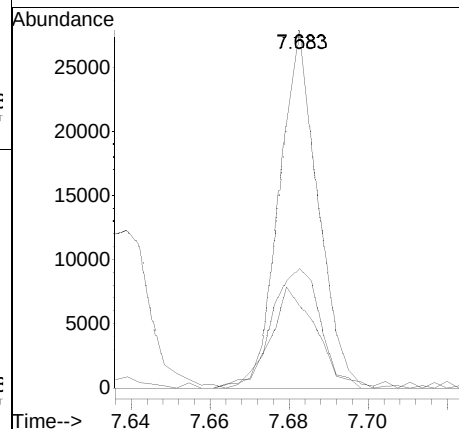
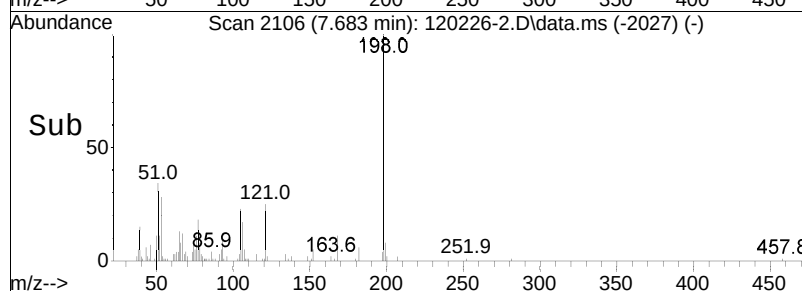
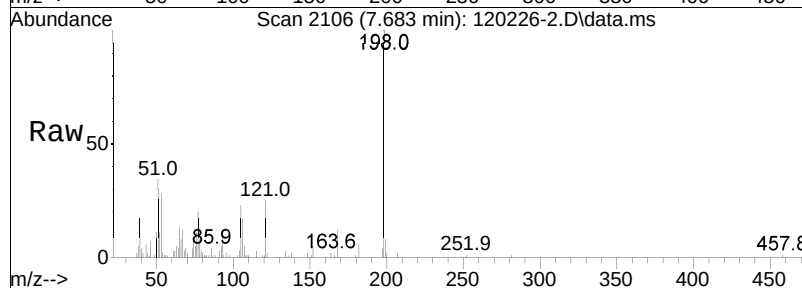
65 91.1 115.0 172.6#

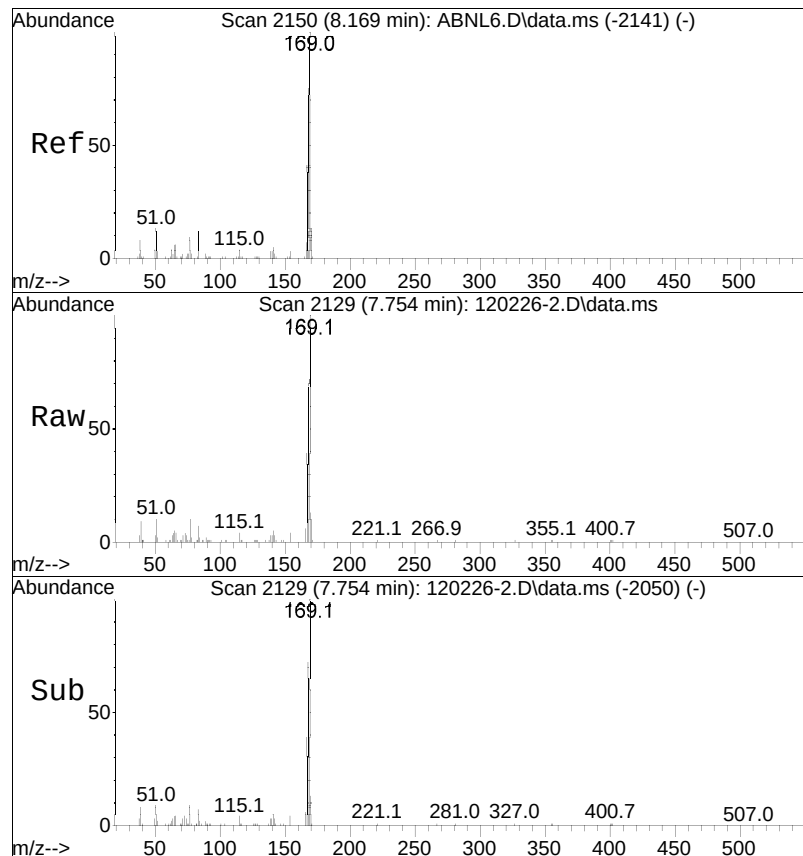




#78
 4,6-Dinitro-o-cresol
 Concen: 1.51 ug/ml
 RT: 7.683 min Scan# 2106
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

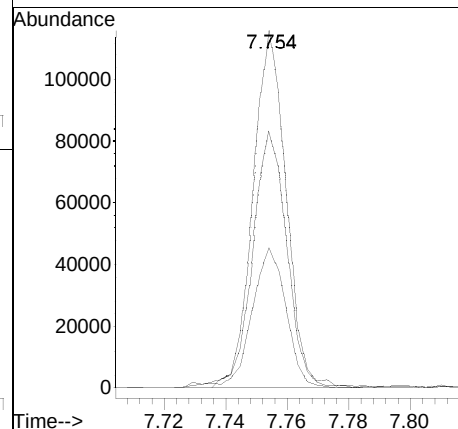
Tgt Ion	Ratio	Lower	Upper
198	100		
51	41.9	76.0	114.0#
105	33.5	45.6	68.4#

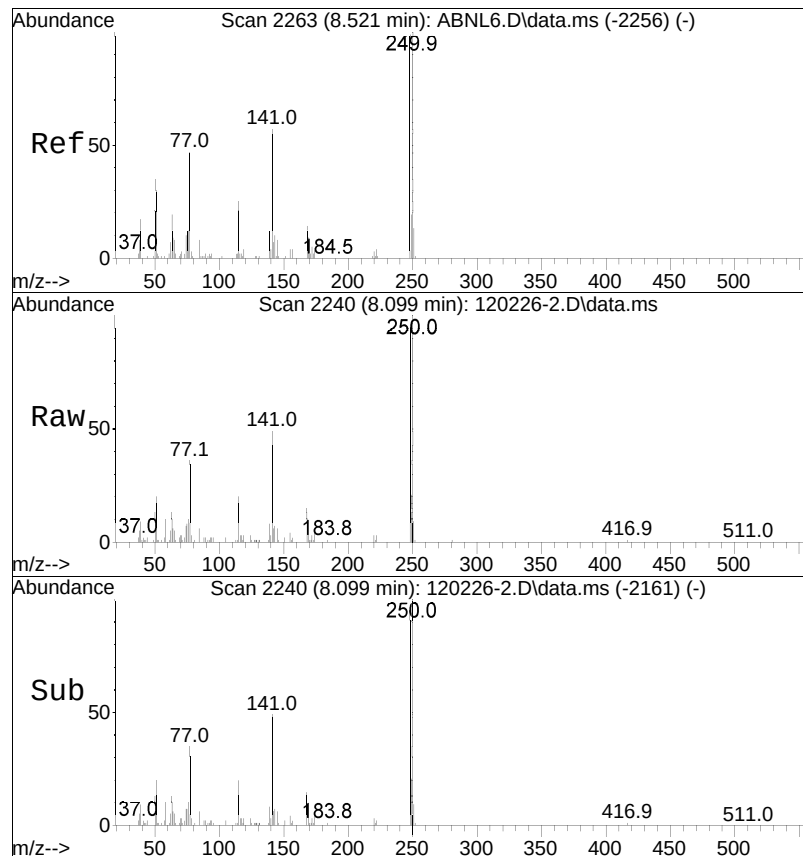




#79
 NDPA/DPA
 Concen: 1.34 ug/ml
 RT: 7.754 min Scan# 2129
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

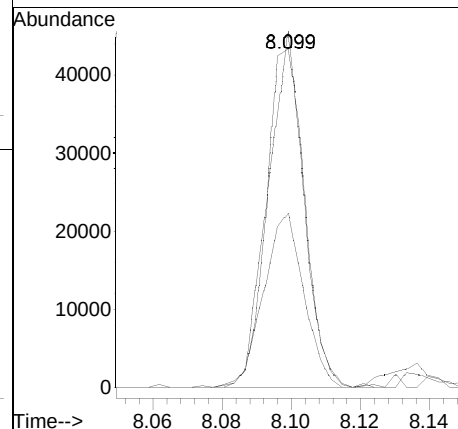
Tgt Ion	Ratio	Lower	Upper
169	100		
168	74.5	54.0	81.0
167	40.9	28.6	42.8

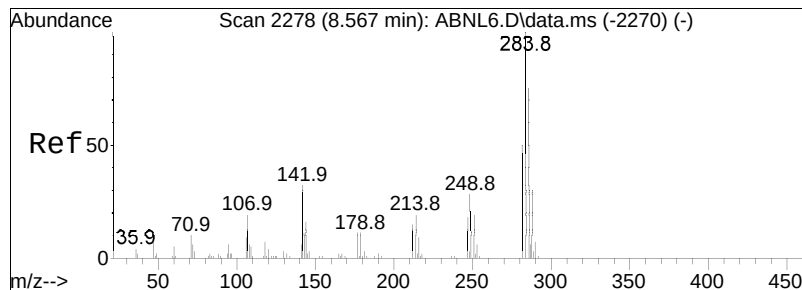




#82
 4-Bromophenyl phenyl ether
 Concen: 1.30 ug/ml
 RT: 8.099 min Scan# 2240
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

Tgt Ion:	248	Resp:	33591
Ion Ratio	Lower	Upper	
248	100		
141	53.7	76.6	114.8#
250	97.9	77.3	115.9





#83

Hexachlorobenzene

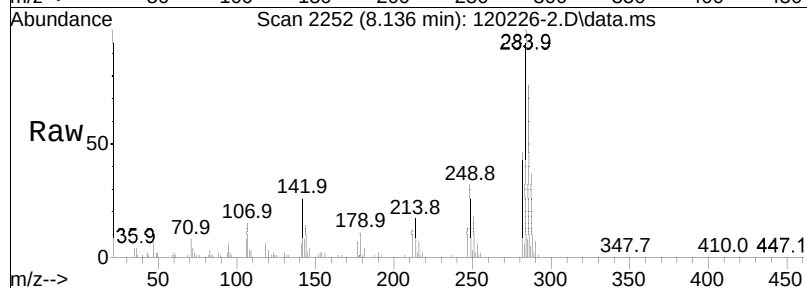
Concen: 1.44 ug/ml

RT: 8.136 min Scan# 2252

Delta R.T. -0.003 min

Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm



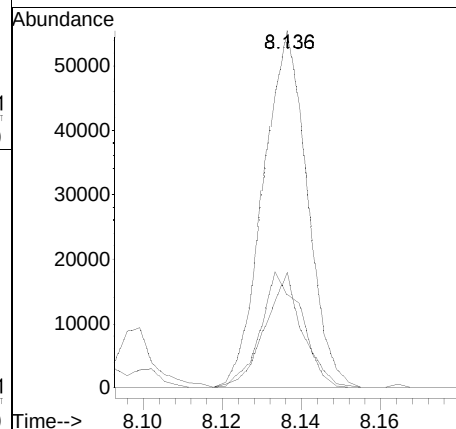
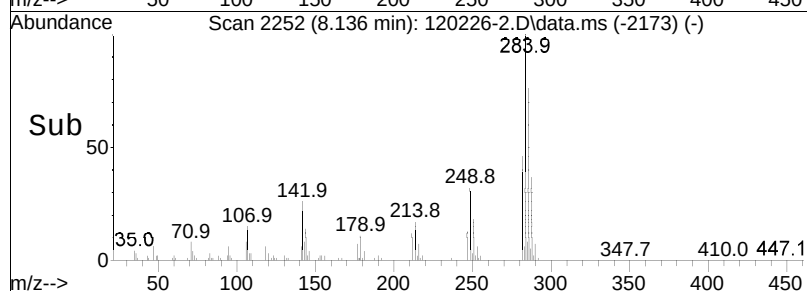
Tgt Ion: 284 Resp: 42772

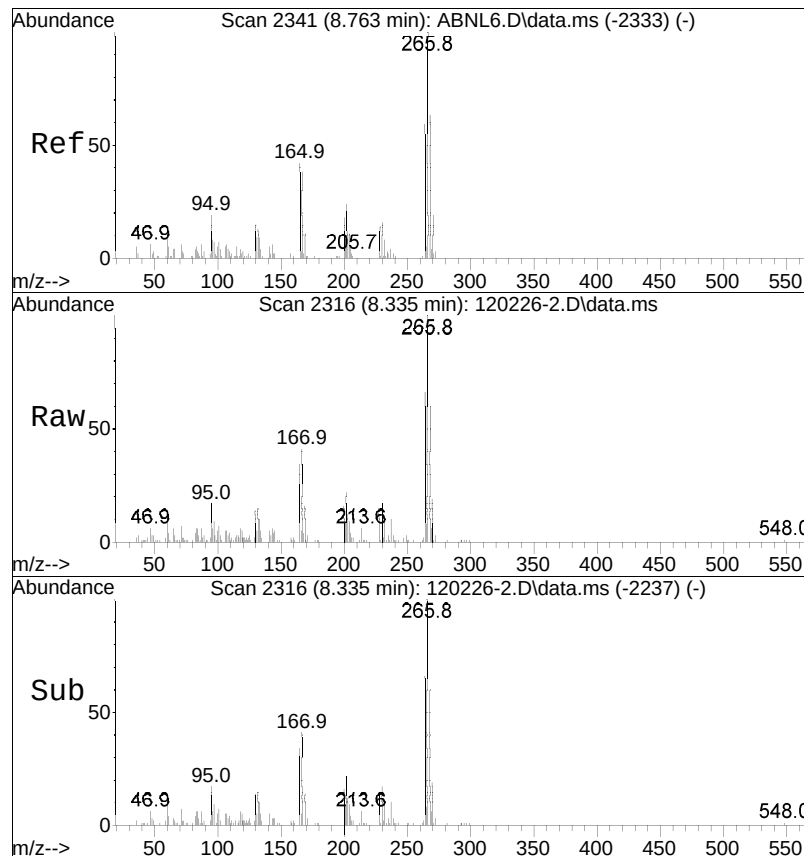
Ion Ratio Lower Upper

284 100

142 30.3 41.9 62.9#

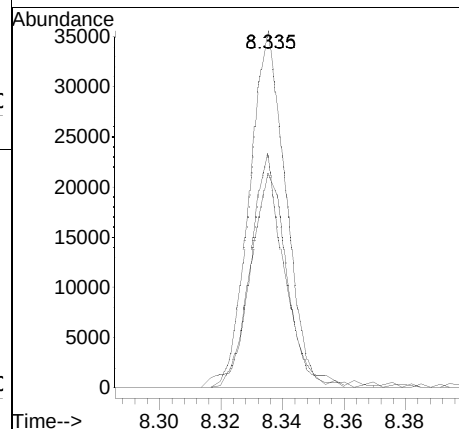
249 27.7 24.1 36.1

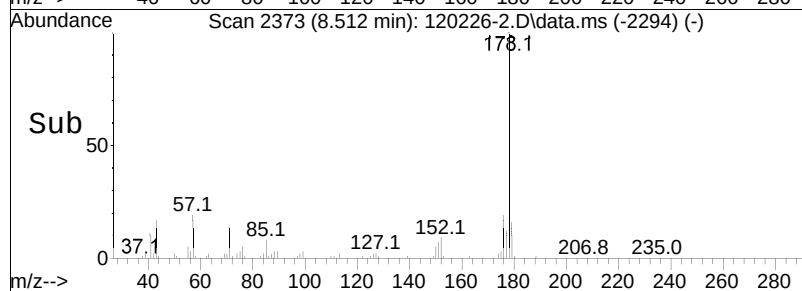
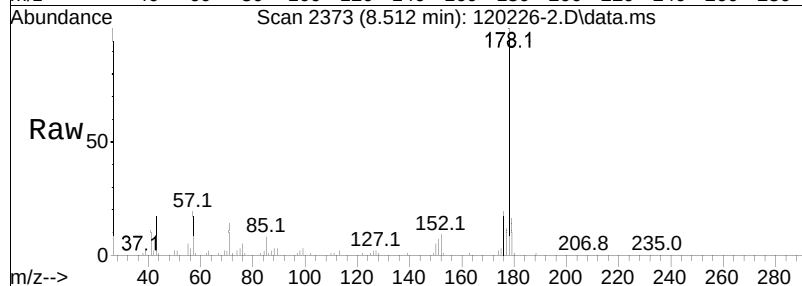
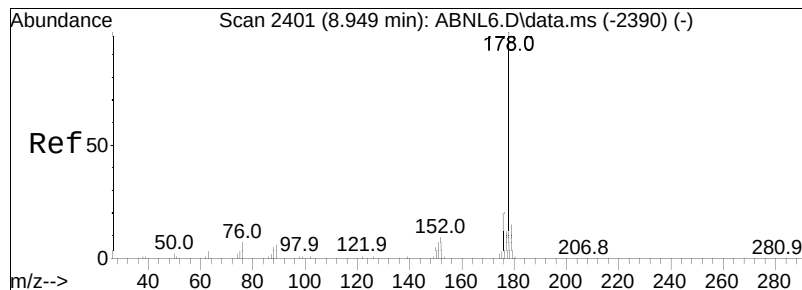




#84
 Pentachlorophenol
 Concen: 1.81 ug/ml
 RT: 8.335 min Scan# 2316
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

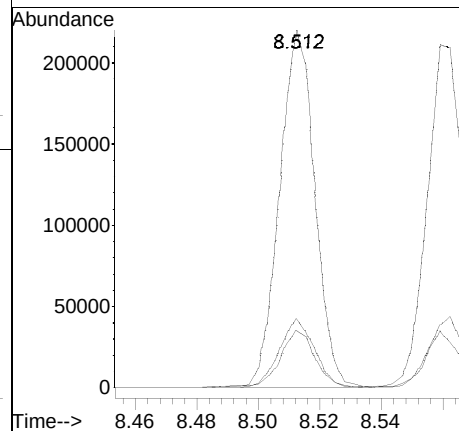
Tgt Ion:	266	Resp:	29240
Ion Ratio	Lower	Upper	
266	100		
264	61.1	49.7	74.5
268	61.4	50.5	75.7

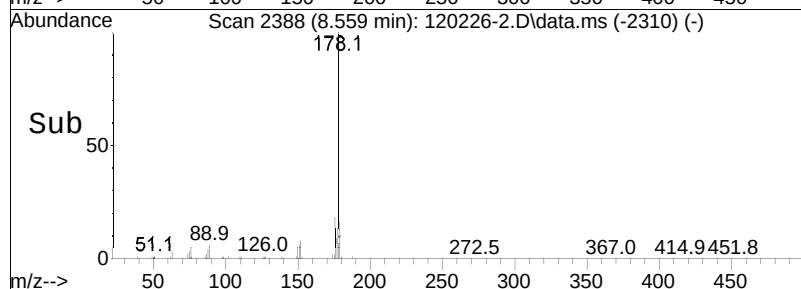
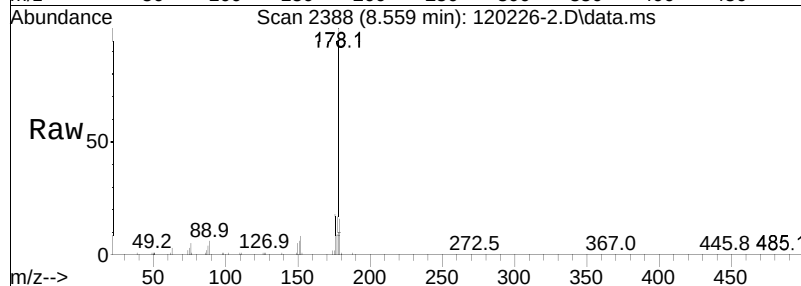
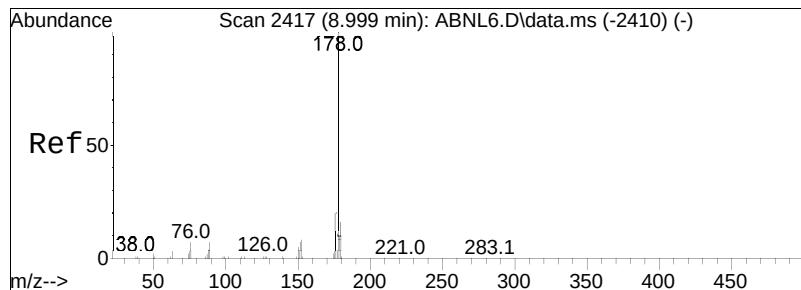




#91
 Phenanthrene
 Concen: 1.27 ug/ml
 RT: 8.512 min Scan# 2373
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

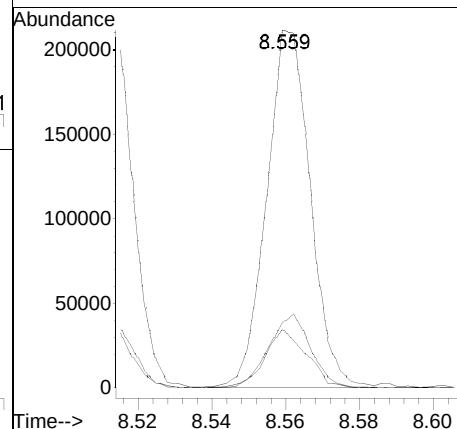
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.2	18.2
176	19.2	15.4	23.2

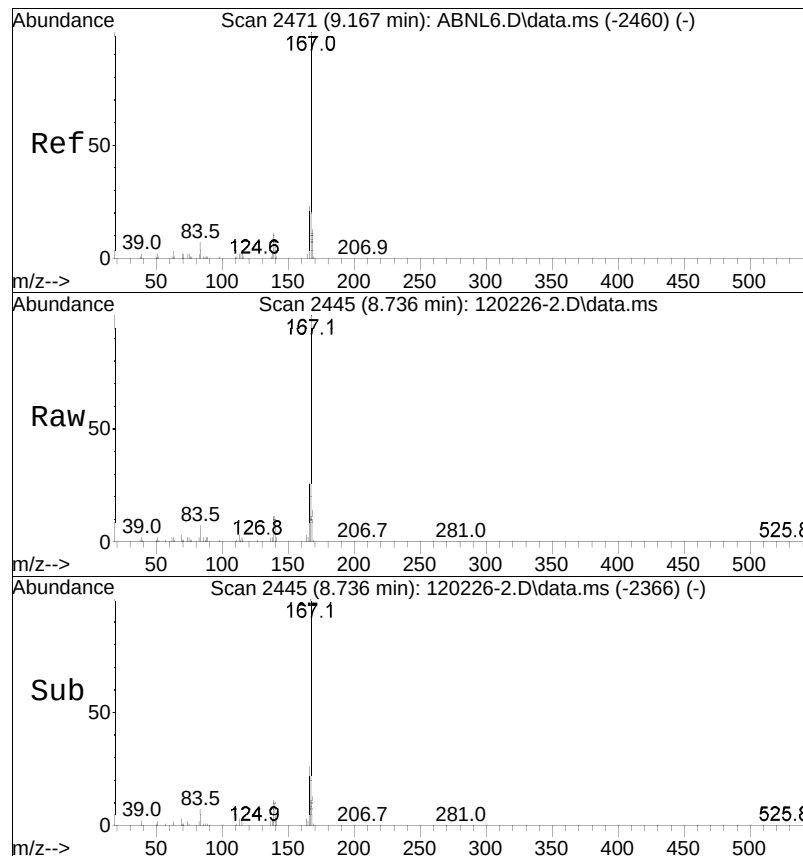




#92
 Anthracene
 Concen: 1.30 ug/ml
 RT: 8.559 min Scan# 2388
 Delta R.T. -0.006 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

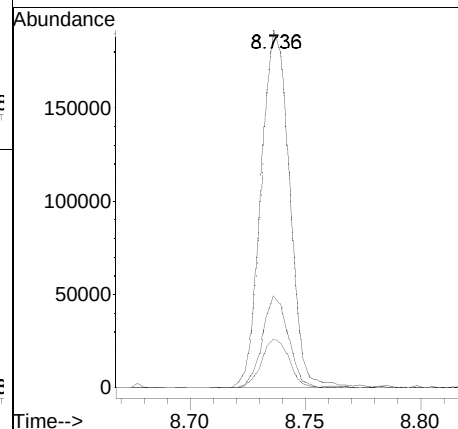
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.0	18.0
176	20.0	14.6	22.0

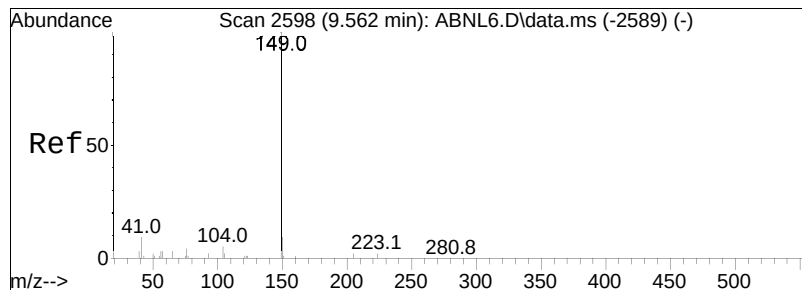




#93
 Carbazole
 Concen: 1.32 ug/ml
 RT: 8.736 min Scan# 2445
 Delta R.T. -0.003 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

Tgt Ion	Ratio	Lower	Upper
167	100		
168	13.3	10.6	15.8
166	23.7	17.4	26.0





#94

Di-n-butylphthalate

Concen: 1.88 ug/ml

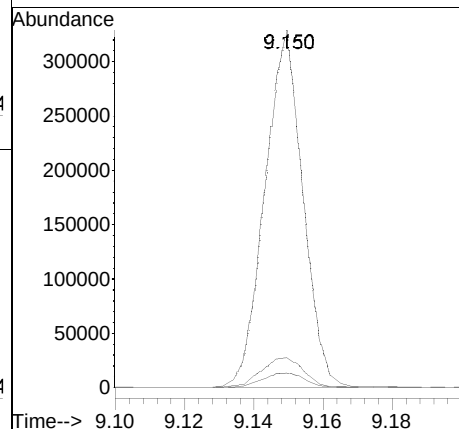
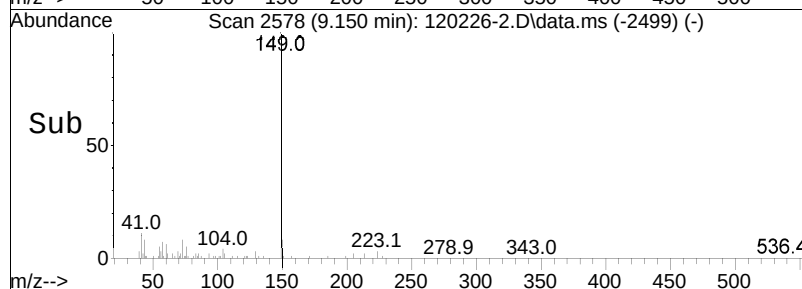
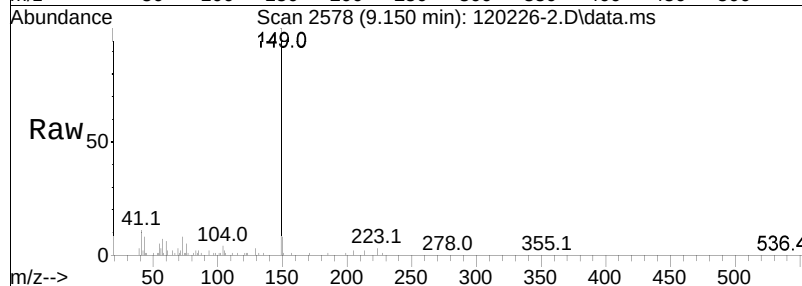
RT: 9.150 min Scan# 2578

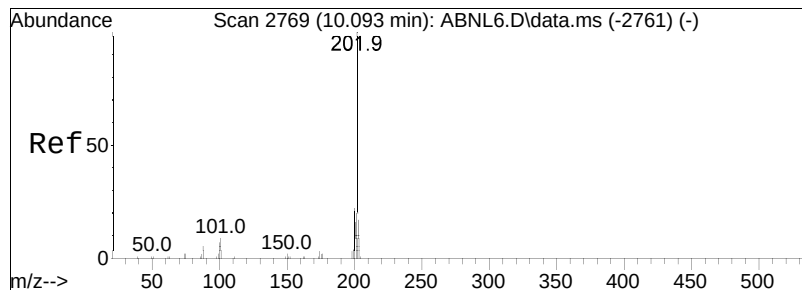
Delta R.T. -0.003 min

Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm

Tgt Ion:	149	Resp:	247029
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.0	10.6
104	4.5	4.5	6.7#





#95

Fluoranthene

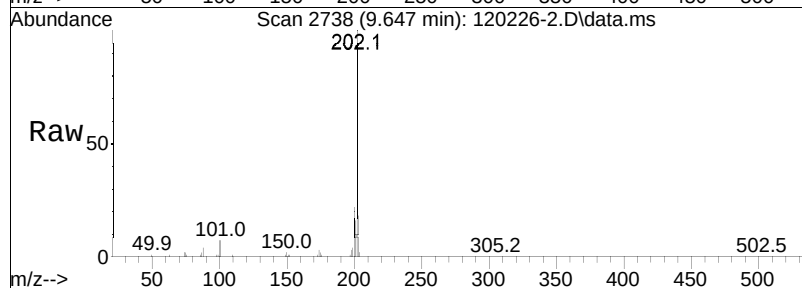
Concen: 1.30 ug/ml

RT: 9.647 min Scan# 2738

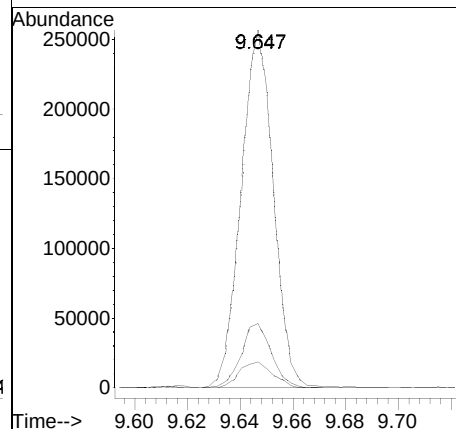
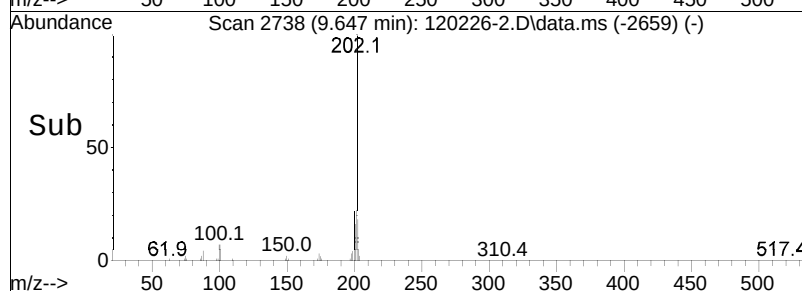
Delta R.T. -0.003 min

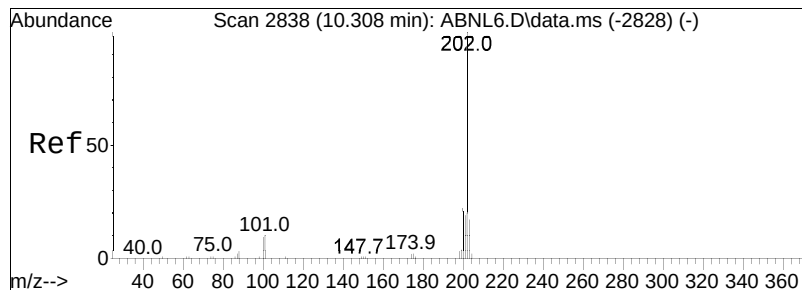
Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm



Tgt Ion:	202	Resp:	216416
Ion Ratio	Lower	Upper	
202	100		
101	7.6	13.5	20.3#
203	17.1	13.6	20.4





#97

Pyrene

Concen: 1.26 ug/ml

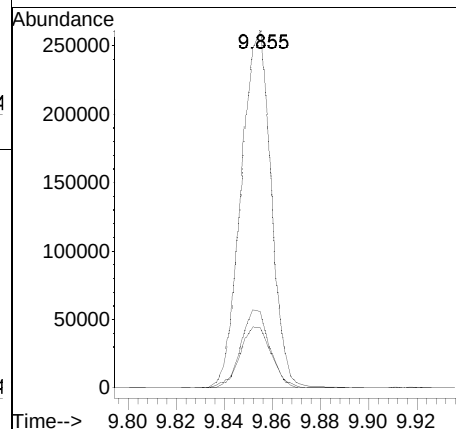
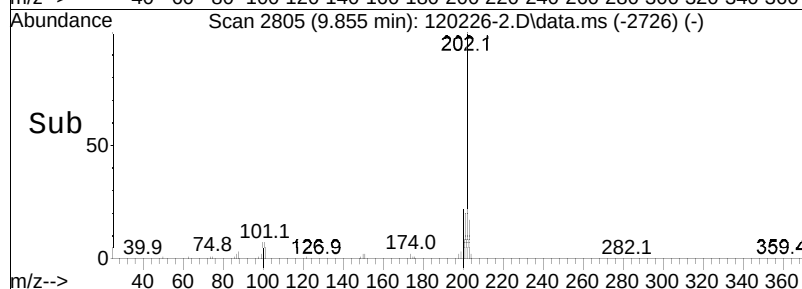
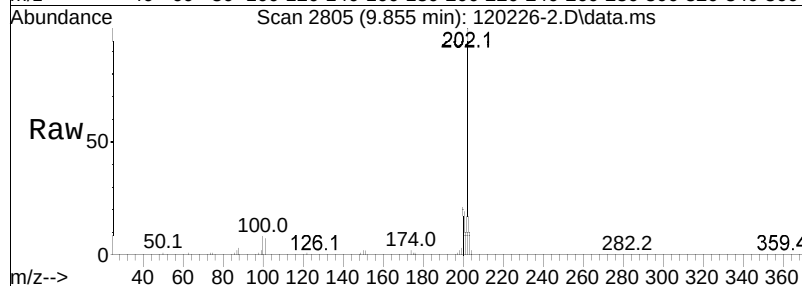
RT: 9.855 min Scan# 2805

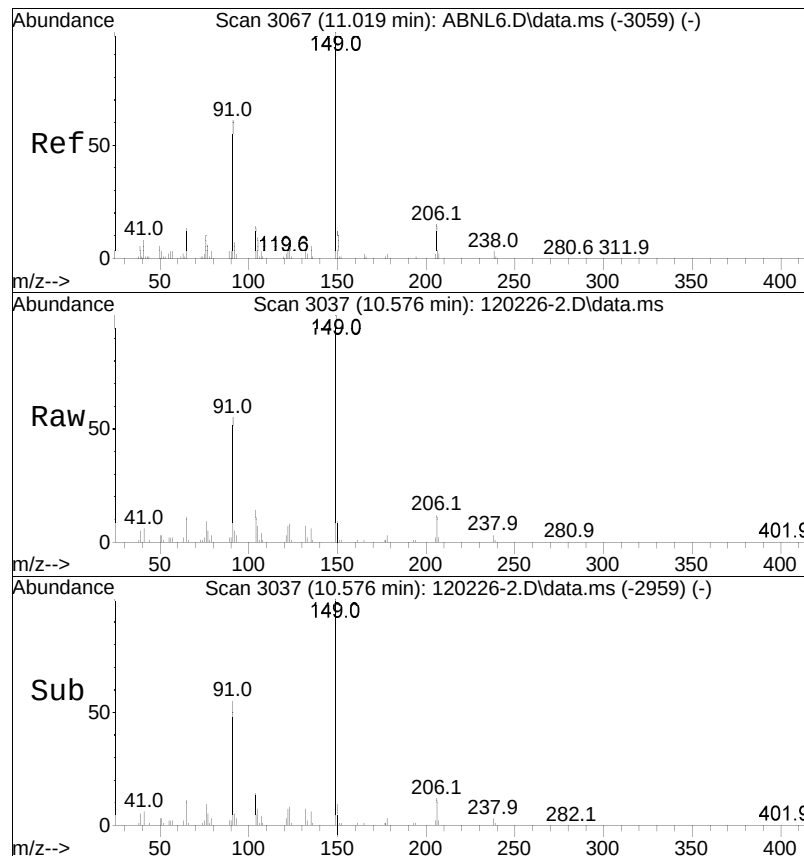
Delta R.T. -0.003 min

Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm

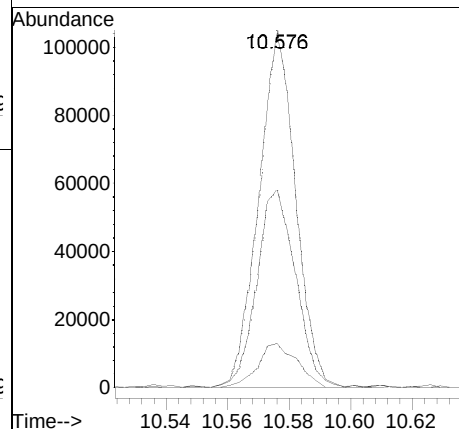
Tgt	Ion:202	Resp:	224124
Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.8	14.2	21.4

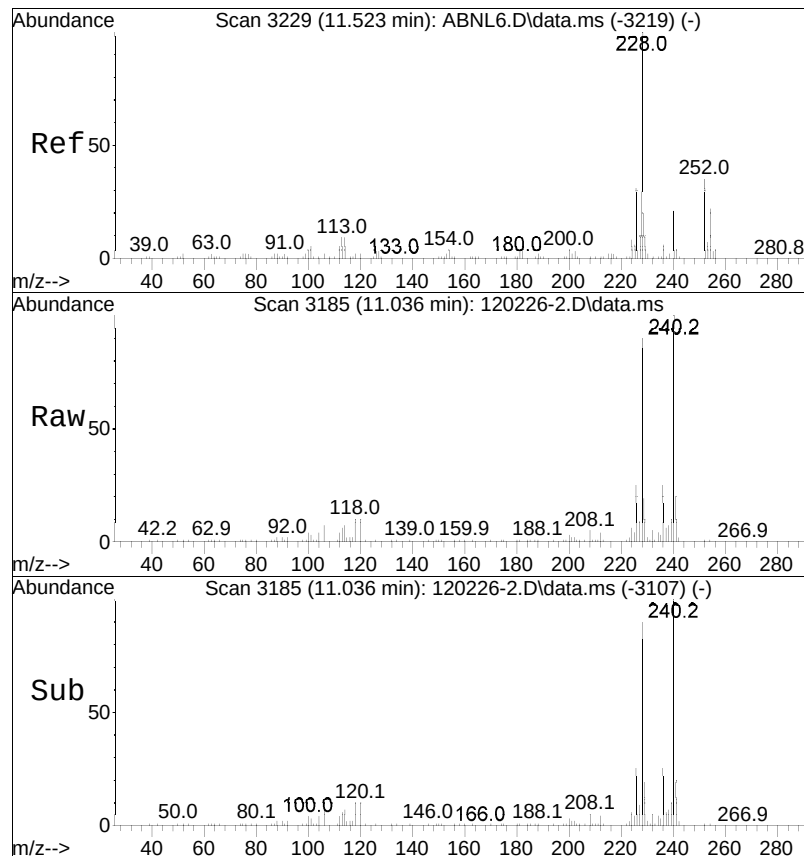




#99
 Butyl benzyl phthalate
 Concen: 1.48 ug/ml
 RT: 10.576 min Scan# 3037
 Delta R.T. -0.006 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

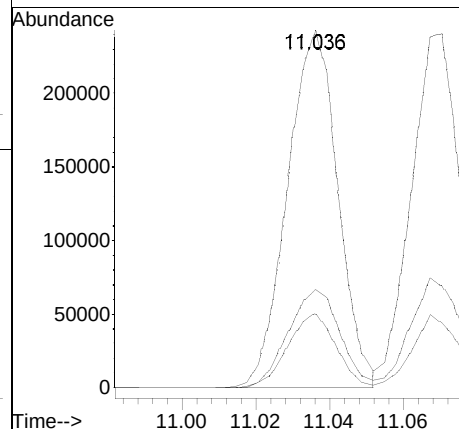
Tgt Ion	Ratio	Lower	Upper
149	100		
91	58.7	63.3	94.9#
206	13.3	13.9	20.9#

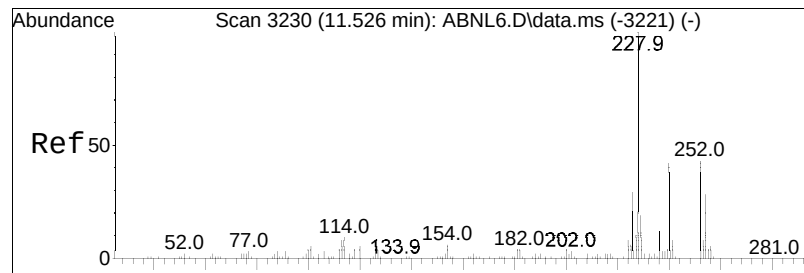




#107
 Benzo(a)anthracene
 Concen: 1.31 ug/ml
 RT: 11.036 min Scan# 3185
 Delta R.T. -0.006 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

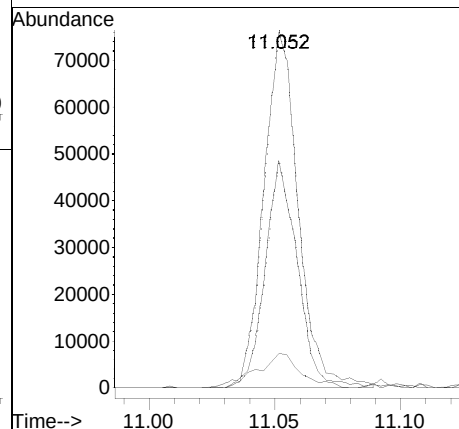
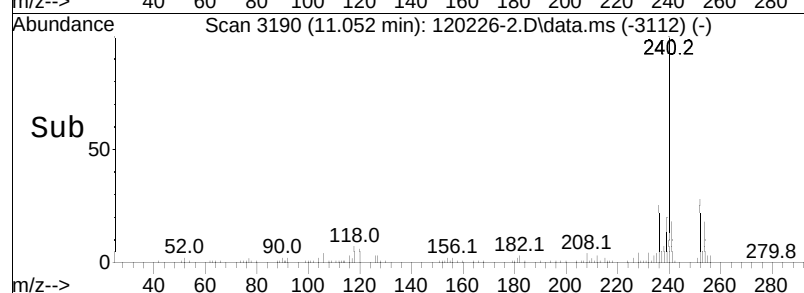
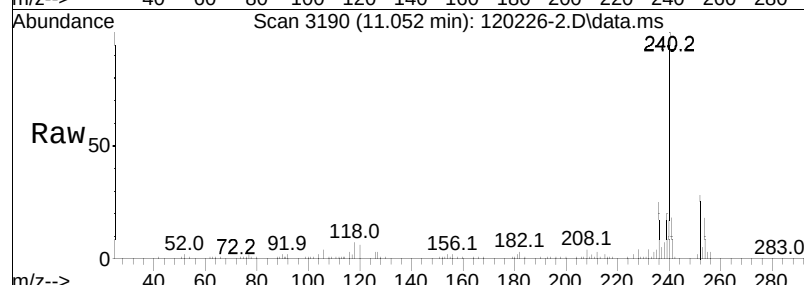
Tgt	Ion:228	Resp:	230747
Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.2	33.4
229	19.8	15.6	23.4

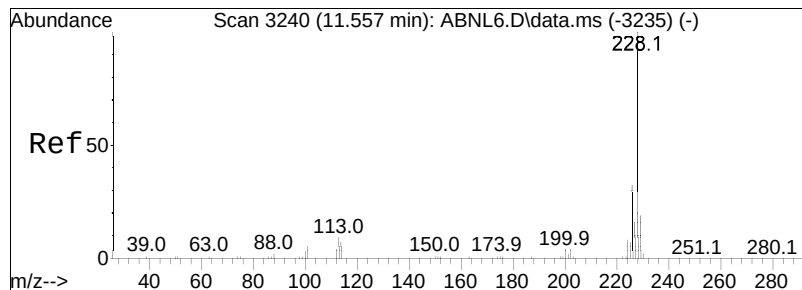




#108
 3,3'-Dichlorobenzidine
 Concen: 1.13 ug/ml
 RT: 11.052 min Scan# 3190
 Delta R.T. -0.006 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

Tgt Ion	Ratio	Lower	Upper
252	100		
126	12.4	14.5	21.7#
254	60.4	51.2	76.8





#109

Chrysene

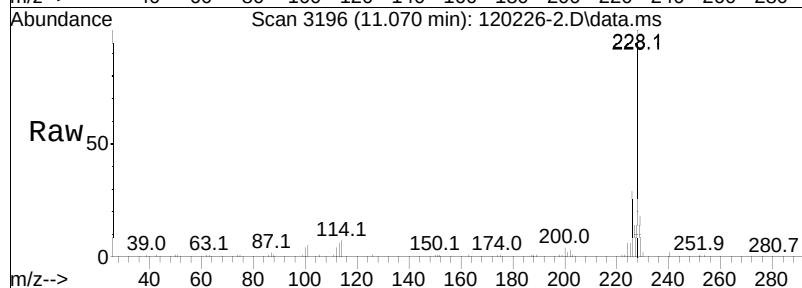
Concen: 1.26 ug/ml

RT: 11.070 min Scan# 3196

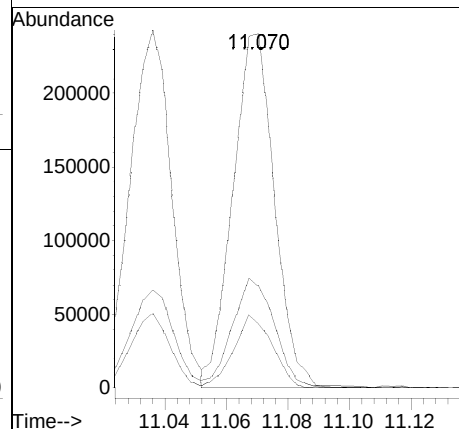
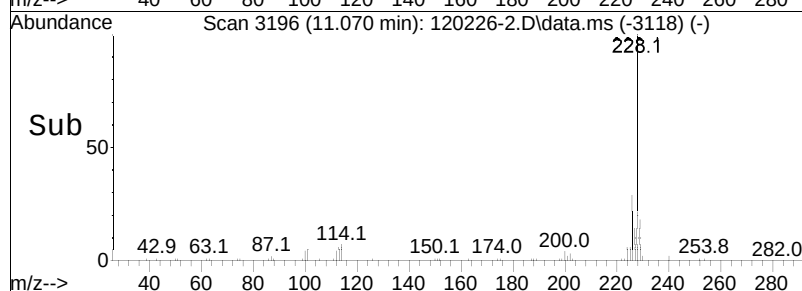
Delta R.T. -0.006 min

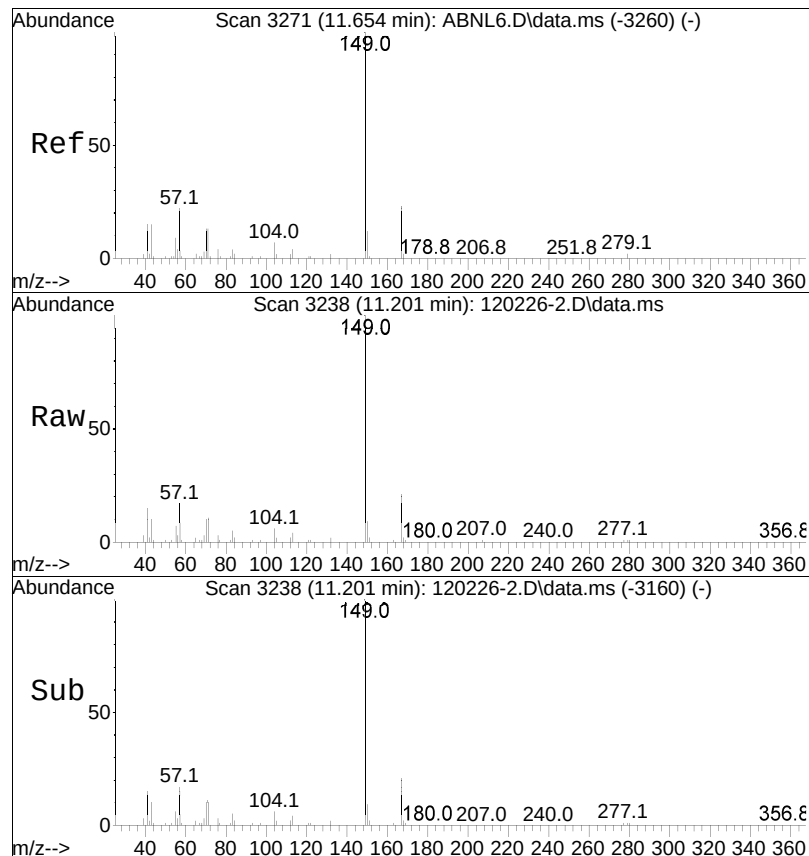
Lab File: 120226-2.D

Acq: 28 Sep 2025 10:17 pm



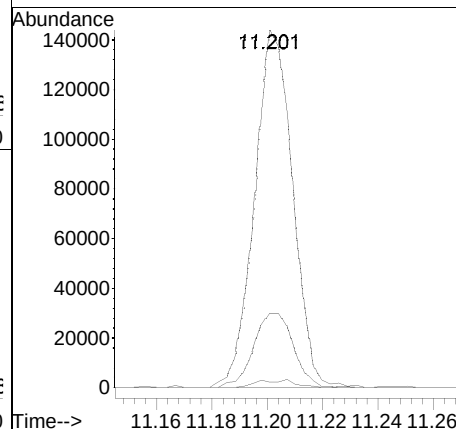
Tgt Ion:	228	Resp:	226650
Ion Ratio	Lower	Upper	
228	100		
226	31.6	24.0	36.0
229	19.2	15.8	23.8

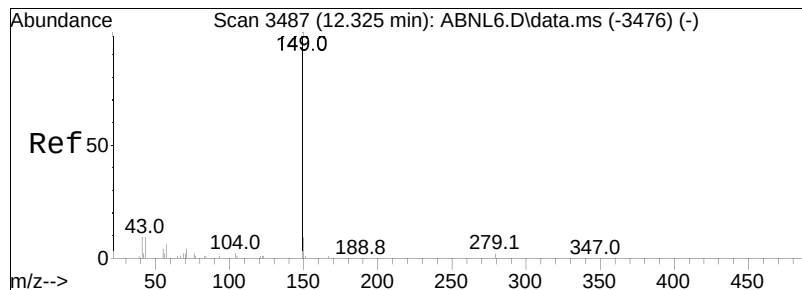




#110
 Bis(2-ethylhexyl)phthalate
 Concen: 1.62 ug/ml
 RT: 11.201 min Scan# 3238
 Delta R.T. -0.006 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

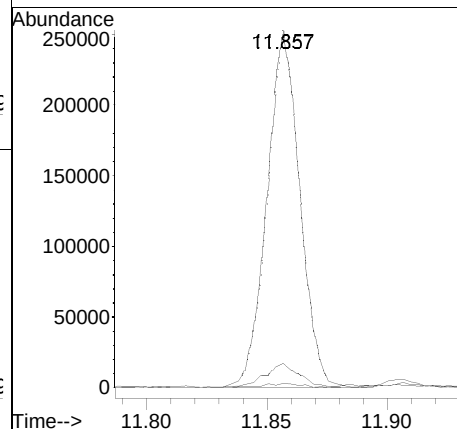
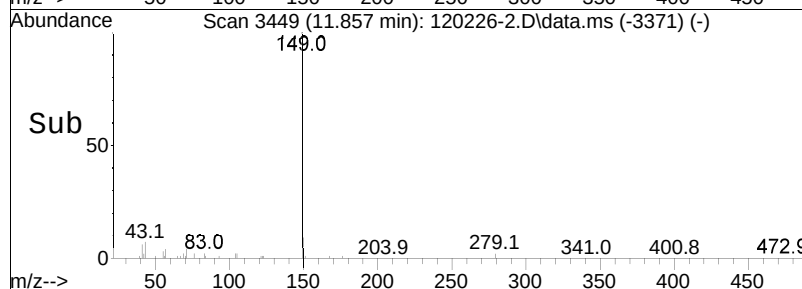
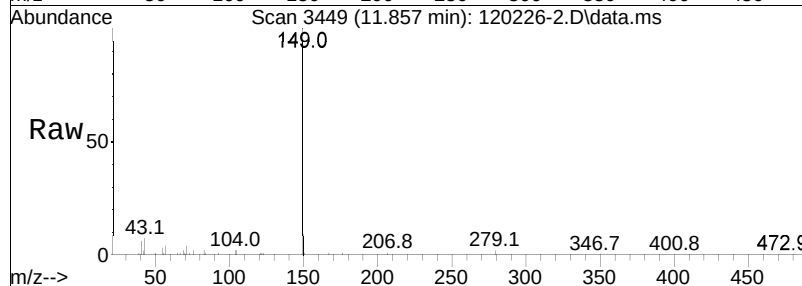
Tgt Ion:	149	Resp:	136445
Ion Ratio	Lower	Upper	
149	100		
167	21.8	22.1	33.1#
279	1.9	3.0	4.4#

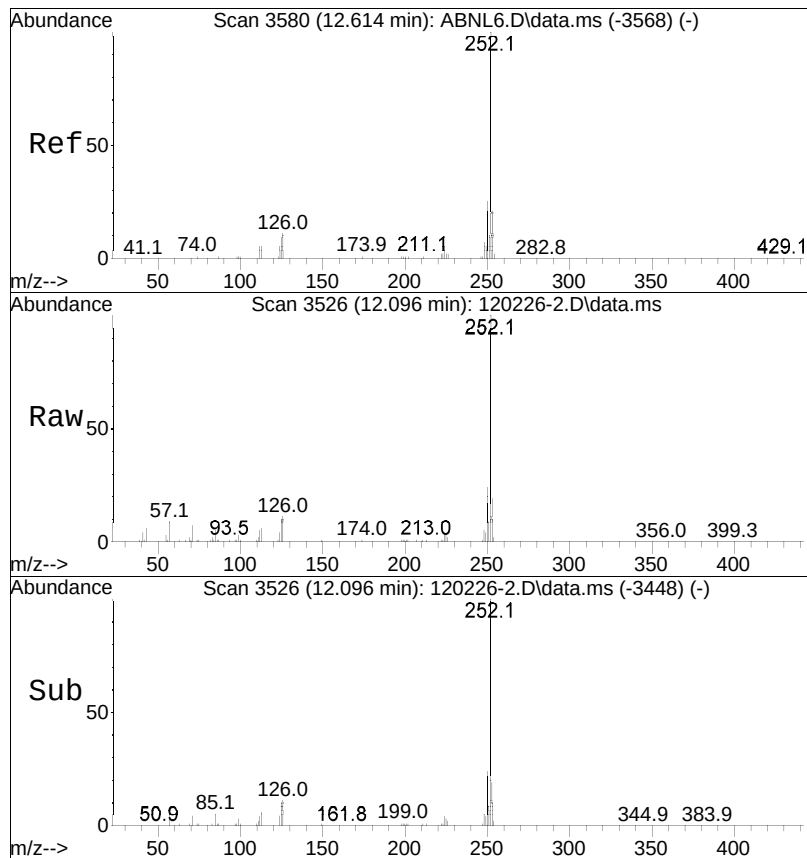




#111
 Di-n-octylphthalate
 Concen: 1.59 ug/ml
 RT: 11.857 min Scan# 3449
 Delta R.T. -0.006 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

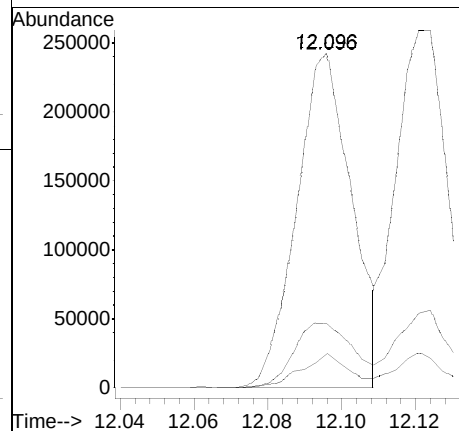
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	236710		
43	7.2	18.8	28.2#	
167	1.1	1.3	1.9#	

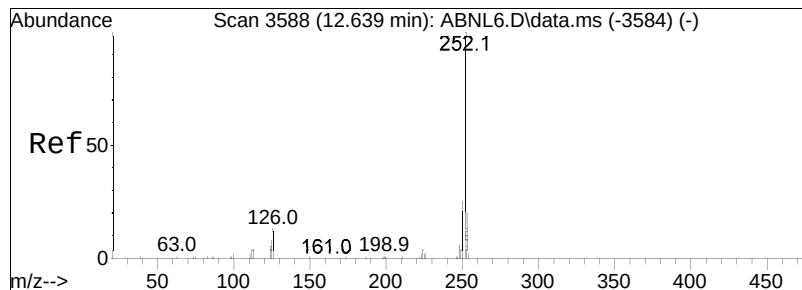




#112
 Benzo(b)fluoranthene
 Concen: 1.42 ug/ml
 RT: 12.096 min Scan# 3526
 Delta R.T. -0.006 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

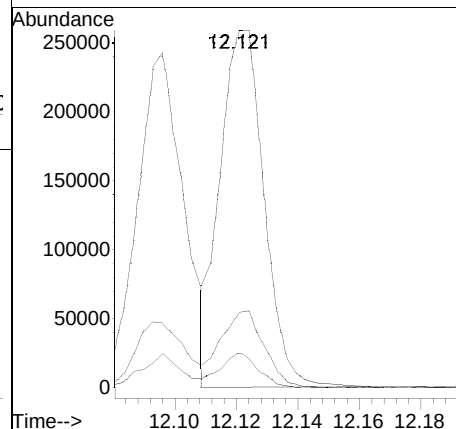
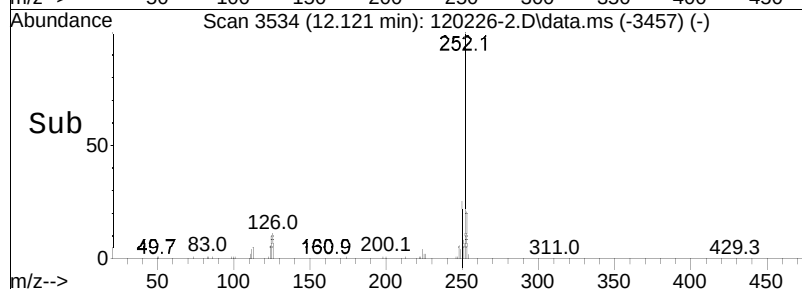
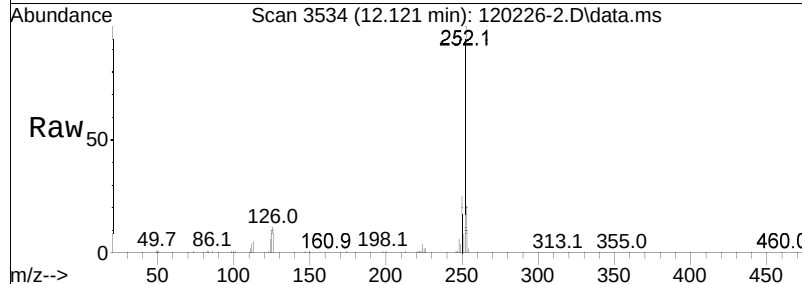
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	252883		
125	9.1		13.3	19.9#
253	21.1		17.1	25.7

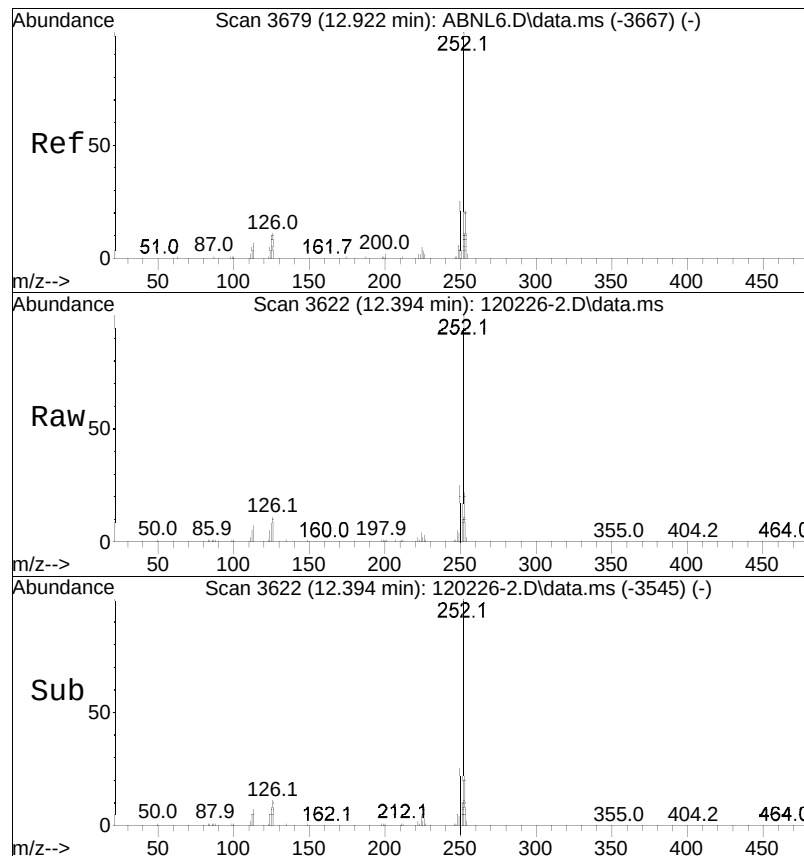




#113
 Benzo(k)fluoranthene
 Concen: 1.44 ug/ml
 RT: 12.121 min Scan# 3534
 Delta R.T. -0.009 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

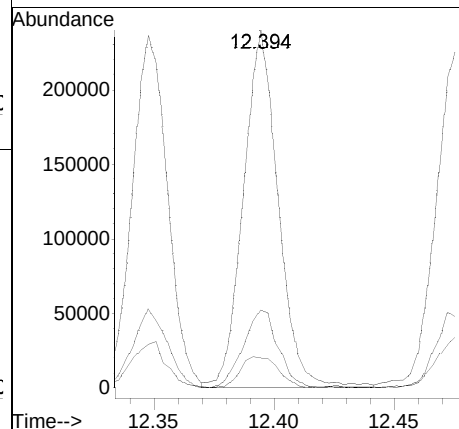
Tgt Ion	Ratio	Lower	Upper
252	100		
125	8.5	13.0	19.6#
253	21.4	16.8	25.2

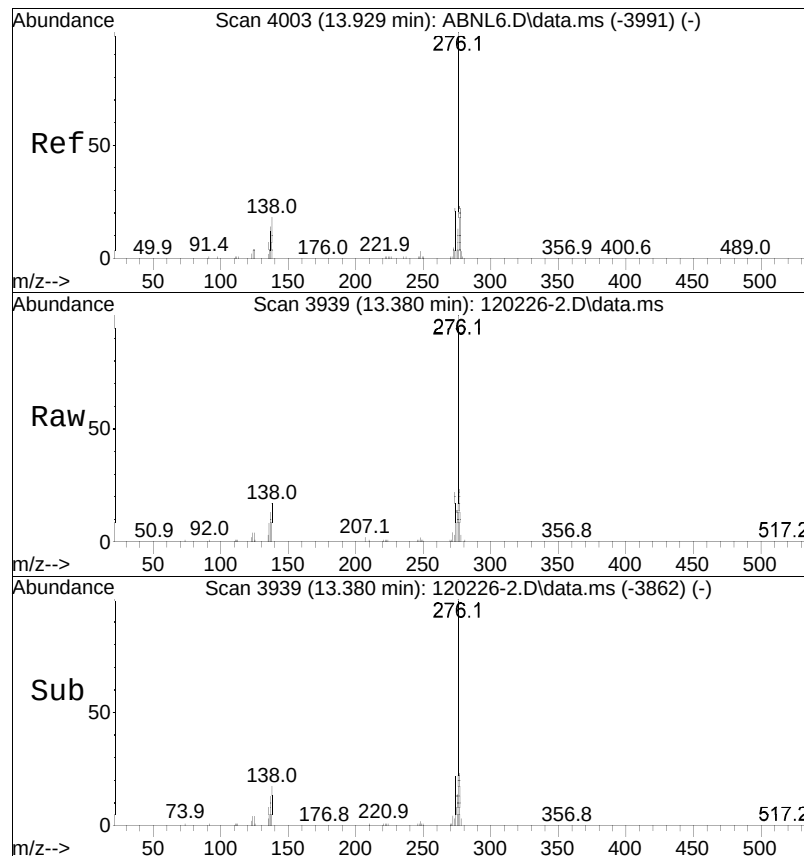




#114
 Benzo(a)pyrene
 Concen: 1.47 ug/ml
 RT: 12.394 min Scan# 3622
 Delta R.T. -0.009 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

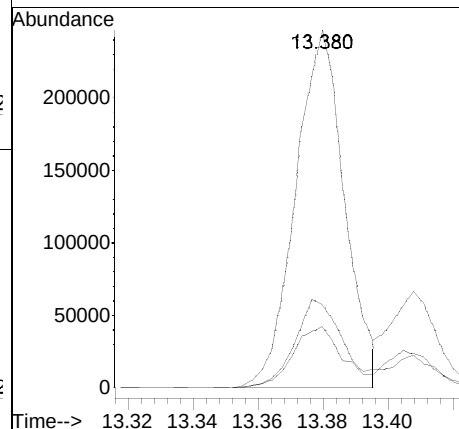
Tgt Ion	Ratio	Lower	Upper
252	100		
125	9.3	14.2	21.2#
253	21.8	16.9	25.3

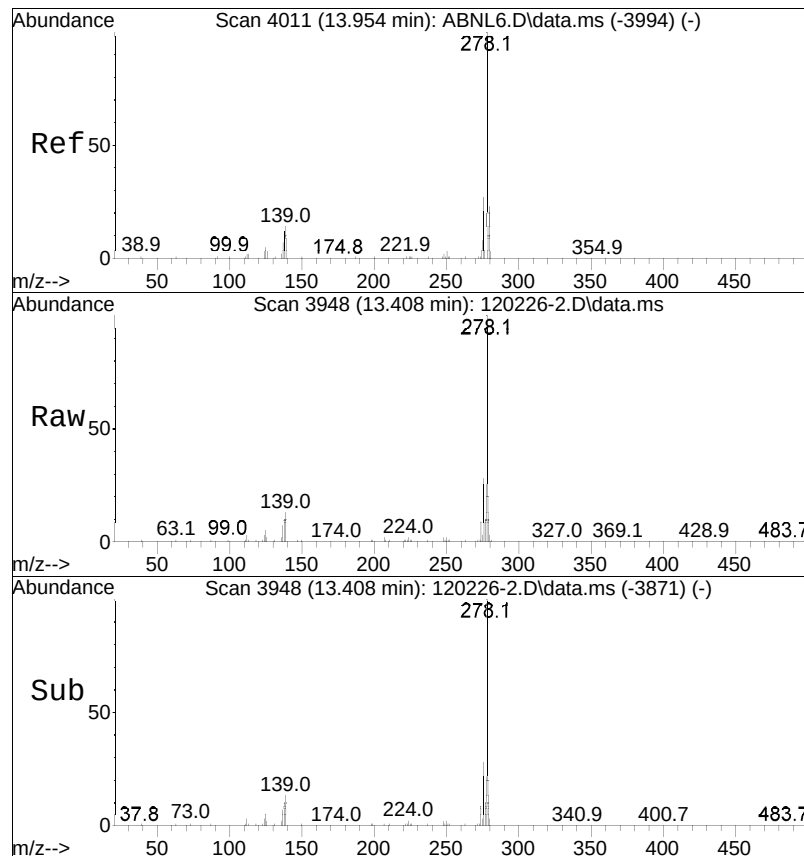




#116
 Indeno(1,2,3-cd)pyrene
 Concen: 1.30 ug/mL
 RT: 13.380 min Scan# 3939
 Delta R.T. -0.009 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

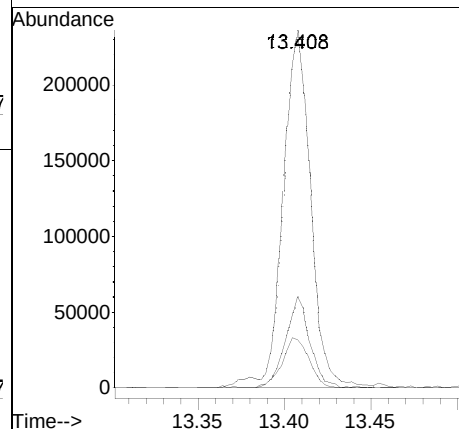
Tgt Ion:	276	Resp:	256445
Ion Ratio	100	Lower	Upper
138	17.9	25.1	37.7#
277	25.5	18.6	28.0

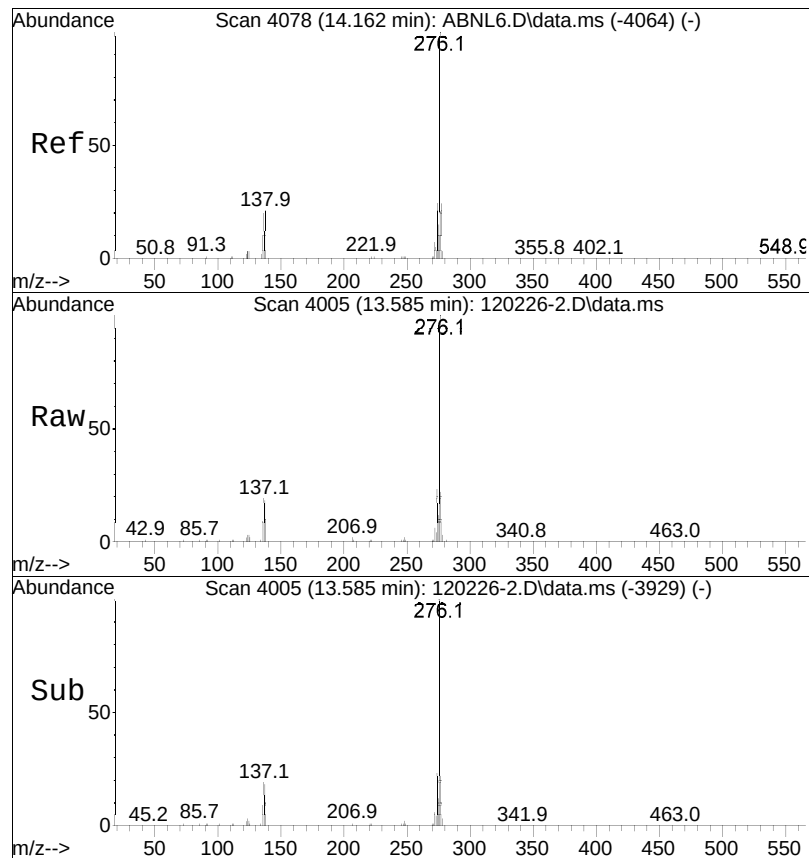




#117
 Dibenzo(a,h)anthracene
 Concen: 1.30 ug/ml
 RT: 13.408 min Scan# 3948
 Delta R.T. -0.009 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

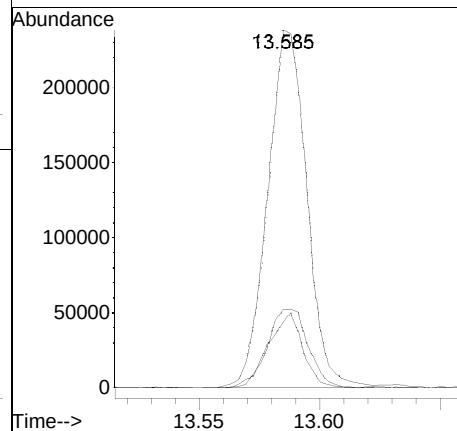
Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.9	20.8	31.2#
279	22.5	18.3	27.5





#118
 Benzo(ghi)perylene
 Concen: 1.32 ug/ml
 RT: 13.585 min Scan# 4005
 Delta R.T. -0.012 min
 Lab File: 120226-2.D
 Acq: 28 Sep 2025 10:17 pm

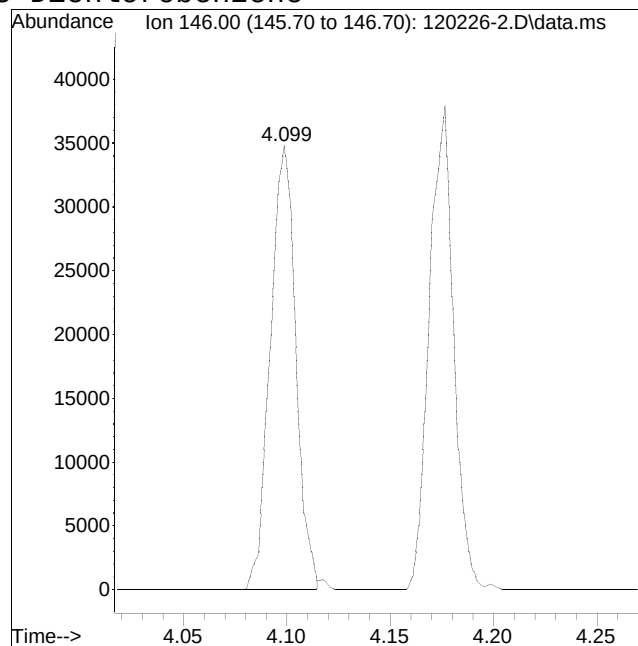
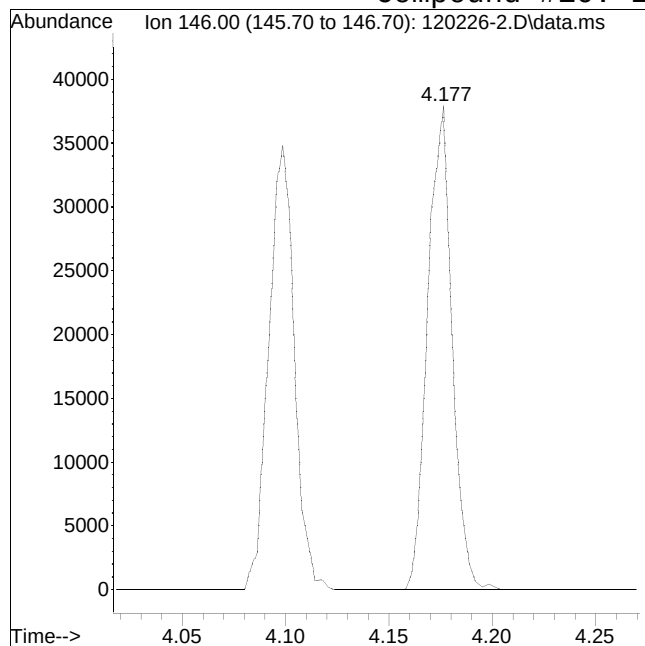
Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.9	29.2	43.8#
277	23.0	18.8	28.2



Manual Integration Report

Data Path : I:\8270\Dakota\250928RVT\ QMethod : FS250821RVT_Dakota.m
Data File : 120226-2.D Operator : Dakota:smz
Date Inj'd : 9/28/2025 10:17 pm Instrument : Dakota
Sample : wg2120226-2,32,,mrg Quant Date : 9/28/2025 10:36 pm

Compound #10: 1,3-Dichlorobenzene



Original Peak Response = 31126

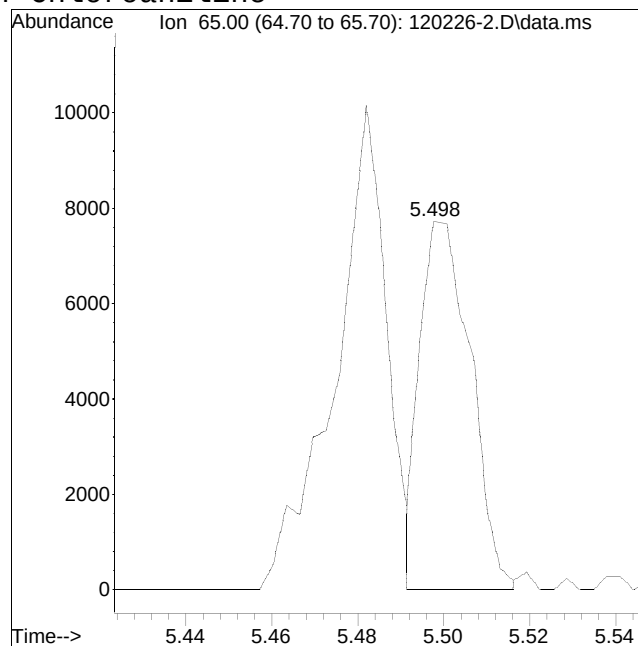
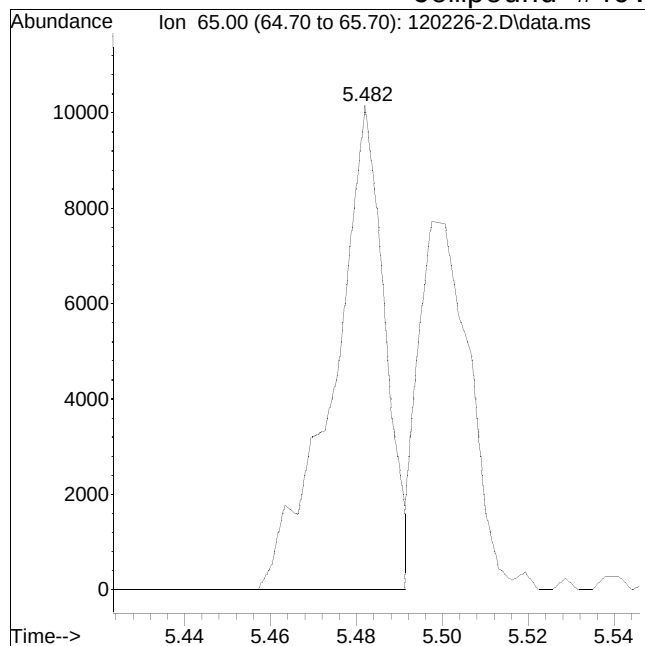
Manual Peak Response = 29900 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\250928RVT\ QMethod : FS250821RVT_Dakota.m
Data File : 120226-2.D Operator : Dakota:smz
Date Inj'd : 9/28/2025 10:17 pm Instrument : Dakota
Sample : wg2120226-2,32,,mrg Quant Date : 9/28/2025 10:36 pm

Compound #40: 4-Chloroaniline



Original Peak Response = 8534

Manual Peak Response = 6282 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : 115183-3.D
 Acq On : 16 Sep 2025 10:48 am
 Operator : SV107:smz
 Sample : WG2115183-3,32,,gmr
 Misc : WG2115301,WG2115183,ical22592
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 16 12:39:19 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 12:23:04 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250916\ABN0916.D
 : 2 - I:\8270\SV107\250916\ADP0916.D
 : 3 - I:\8270\SV107\250916\AP90916a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.423	152	53453	4.000	ug/ml	0.00
Standard Area 1 = 69446			Recovery =	76.97%		
27) IS2_1,4-Dichlorobenzen...	6.423	152	53453	4.000	ug/ml	0.00
Standard Area 3 = 50979			Recovery =	104.85%		
32) IS3_1,4-Dichlorobenzen...	6.423	152	53453	4.000	ug/ml	0.00
Standard Area 2 = 50671			Recovery =	105.49%		
35) IS1_Naphthalene-d8	7.853	136	199374	4.000	ug/ml	0.00
Standard Area 1 = 265643			Recovery =	75.05%		
55) IS2_Naphthalene-d8	7.853	136	199374	4.000	ug/ml	0.00
Standard Area 3 = 192887			Recovery =	103.36%		
63) IS1_Acenaphthene-d10	9.619	164	112917	4.000	ug/ml	0.00
Standard Area 1 = 162020			Recovery =	69.69%		
83) IS2_Acenaphthene-d10	9.619	164	112917	4.000	ug/ml	0.00
Standard Area 3 = 116209			Recovery =	97.17%		
86) IS3_Acenaphthene-d10	9.619	164	112917	4.000	ug/ml	0.00
Standard Area 2 = 112984			Recovery =	99.94%		
88) IS1_Phenanthrene-d10	11.064	188	223625	4.000	ug/ml	0.00
Standard Area 1 = 318305			Recovery =	70.25%		
100) IS3_Phenanthrene-d10	11.064	188	223625	4.000	ug/ml	# 0.00
Standard Area 2 = 245041			Recovery =	91.26%		
104) IS1_Chrysene-d12	13.718	240	189147	4.000	ug/ml	0.00
Standard Area 1 = 311596			Recovery =	60.70%		
113) IS1_Perylene-d12	15.198	264	213430	4.000	ug/ml	0.00
Standard Area 1 = 302214			Recovery =	70.62%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.493	112	17723	1.285	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	64.25%		
7) Phenol-d6	6.044	99	16291	0.961	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.05%		
19) Nitrobenzene-d5	7.082	82	13583	0.867	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	86.70%		
46) 2-Fluorobiphenyl	8.978	172	36094	0.830	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	83.00%		
79) 2,4,6-Tribromophenol	10.393	330	8328	1.936	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	96.80%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : 115183-3.D
 Acq On : 16 Sep 2025 10:48 am
 Operator : SV107:smz
 Sample : WG2115183-3,32,,gmr
 Misc : WG2115301,WG2115183,ical22592
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 16 12:39:19 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 12:23:04 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250916\ABN0916.D
 : 2 - I:\8270\SV107\250916\ADP0916.D
 : 3 - I:\8270\SV107\250916\AP90916a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
96) 4-Terphenyl-d14	12.661	244	39245	0.811	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	81.10%
Target Compounds						Qvalue
6) 2-Chlorophenol	6.153	128	25061	1.527	ug/ml	94
8) Phenol	6.060	94	17921	0.950	ug/ml	97
9) Bis(2-chloroethyl)ether	6.147	93	23769	1.491	ug/ml#	84
10) 1,3-Dichlorobenzene	6.343	146	27479	1.320	ug/ml	98
11) 1,4-Dichlorobenzene	6.445	146	28408	1.336	ug/ml	97
12) 1,2-Dichlorobenzene	6.616	146	27871	1.365	ug/ml	95
13) Benzyl alcohol	6.632	79	19650	1.584	ug/ml	94
14) Bis(2-chloroisopropyl)...	6.821	45	37938	1.521	ug/ml#	91
15) 2-Methylphenol	6.803	108	21718	1.562	ug/ml	97
16) Hexachloroethane	7.008	117	9888	1.266	ug/ml#	63
17) n-Nitrosodi-n-propylamine	6.955	70	18232	1.657	ug/ml	94
18) 3-Methylphenol/4-Methy...	6.986	108	22807	1.549	ug/ml	98
20) Nitrobenzene	7.101	77	25108	1.580	ug/ml	97
21) Isophorone	7.384	82	45751	1.586	ug/ml	98
22) 2-Nitrophenol	7.458	139	12109	1.833	ug/ml#	89
23) 2,4-Dimethylphenol	7.561	107	23997	1.556	ug/ml	99
24) Bis(2-chloroethoxy)met...	7.661	93	31763	1.639	ug/ml	98
25) 2,4-Dichlorophenol	7.726	162	25243	1.701	ug/ml#	92
26) 1,2,4-Trichlorobenzene	7.807	180	26353	1.362	ug/ml	98
29) Acetophenone	6.924	105	37999	1.583	ug/ml#	82
36) Naphthalene	7.872	128	75580	1.438	ug/ml	99
37) Benzoic Acid	7.626	105	10924	2.132	ug/ml	96
38) 4-Chloroaniline	7.959	65	7151	1.198	ug/ml	82
39) Hexachlorobutadiene	8.034	225	14059	1.221	ug/ml	96
40) p-Chloro-m-cresol	8.484	107	22382	1.757	ug/ml	95
41) 2-Methylnaphthalene	8.593	142	48539	1.540	ug/ml	96
43) Hexachlorocyclopentadiene	8.764	237	16000	1.318	ug/ml	98
44) 2,4,6-Trichlorophenol	8.891	196	19381	1.813	ug/ml	98
45) 2,4,5-Trichlorophenol	8.919	196	21372	1.866	ug/ml	98
47) 2-Chloronaphthalene	9.075	162	55300	1.512	ug/ml	99
48) 2-Nitroaniline	9.187	138	15507	1.959	ug/ml#	84
51) Dimethyl phthalate	9.398	163	67052	1.750	ug/ml#	99
52) Acenaphthylene	9.476	152	86924	1.586	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : 115183-3.D
 Acq On : 16 Sep 2025 10:48 am
 Operator : SV107:smz
 Sample : WG2115183-3,32,,gmr
 Misc : WG2115301,WG2115183,ical22592
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 16 12:39:19 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 12:23:04 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250916\ABN0916.D
 : 2 - I:\8270\SV107\250916\ADP0916.D
 : 3 - I:\8270\SV107\250916\AP90916a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53)	2,6-Dinitrotoluene	9.441	165	12384	1.892	ug/ml#	81
61)	1,2,4,5-Tetrachloroben...	8.764	216	29151	1.410	ug/ml	97
62)	Biphenyl	9.072	154	71478	1.513	ug/ml	98
64)	3-Nitroaniline	9.591	138	13033	1.875	ug/ml#	90
65)	Acenaphthene	9.650	154	51859	1.605	ug/ml	92
66)	2,4-Dinitrophenol	9.696	184	7344	2.332	ug/ml#	86
67)	Dibenzofuran	9.824	168	83398	1.611	ug/ml	92
68)	2,4-Dinitrotoluene	9.830	165	16676	1.857	ug/ml	96
69)	4-Nitrophenol	9.780	65	7691	1.470	ug/ml#	88
72)	Diethyl phthalate	10.094	149	62930	1.742	ug/ml	98
73)	Fluorene	10.156	166	65587	1.649	ug/ml	96
74)	4-Chlorophenyl phenyl ...	10.181	204	32234	1.588	ug/ml	89
75)	4-Nitroaniline	10.181	138	12364	1.784	ug/ml#	83
76)	4,6-Dinitro-o-cresol	10.219	198	9938	2.323	ug/ml#	61
77)	NDPA/DPA	10.296	169	52558	1.675	ug/ml	93
80)	4-Bromophenyl phenyl e...	10.654	248	17070	1.580	ug/ml#	89
81)	Hexachlorobenzene	10.688	284	18743	1.662	ug/ml#	88
82)	Pentachlorophenol	10.890	266	11680	1.920	ug/ml	99
89)	Phenanthrene	11.086	178	97665	1.524	ug/ml	98
90)	Anthracene	11.135	178	97524	1.554	ug/ml	98
91)	Carbazole	11.306	167	91258	1.674	ug/ml	98
92)	Di-n-butylphthalate	11.704	149	134873	2.255	ug/ml	99
93)	Fluoranthene	12.245	202	113216	1.663	ug/ml#	92
95)	Pyrene	12.463	202	116527	1.613	ug/ml	100
97)	Butyl benzyl phthalate	13.199	149	42749	1.869	ug/ml	87
105)	Benzo(a)anthracene	13.709	228	103822	1.606	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.712	252	26974	1.310	ug/ml	98
107)	Chrysene	13.746	228	106117	1.660	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	13.849	149	63635	1.704	ug/ml#	95
109)	Di-n-octylphthalate	14.545	149	102058	1.878	ug/ml#	76
110)	Benzo(b)fluoranthene	14.825	252	105949	1.892	ug/ml#	95
111)	Benzo(k)fluoranthene	14.853	252	101713	1.794	ug/ml#	95
112)	Benzo(a)pyrene	15.142	252	102477	1.968	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	16.189	276	100281	1.691	ug/mL	94
115)	Dibenzo(a,h)anthracene	16.220	278	99538	1.616	ug/ml#	93
116)	Benzo(ghi)perylene	16.450	276	100221	1.634	ug/ml#	92

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : 115183-3.D
 Acq On : 16 Sep 2025 10:48 am
 Operator : SV107:smz
 Sample : WG2115183-3,32,,gmr
 Misc : WG2115301,WG2115183,ical22592
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 16 12:39:19 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 12:23:04 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250916\ABN0916.D
 : 2 - I:\8270\SV107\250916\ADP0916.D
 : 3 - I:\8270\SV107\250916\AP90916a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

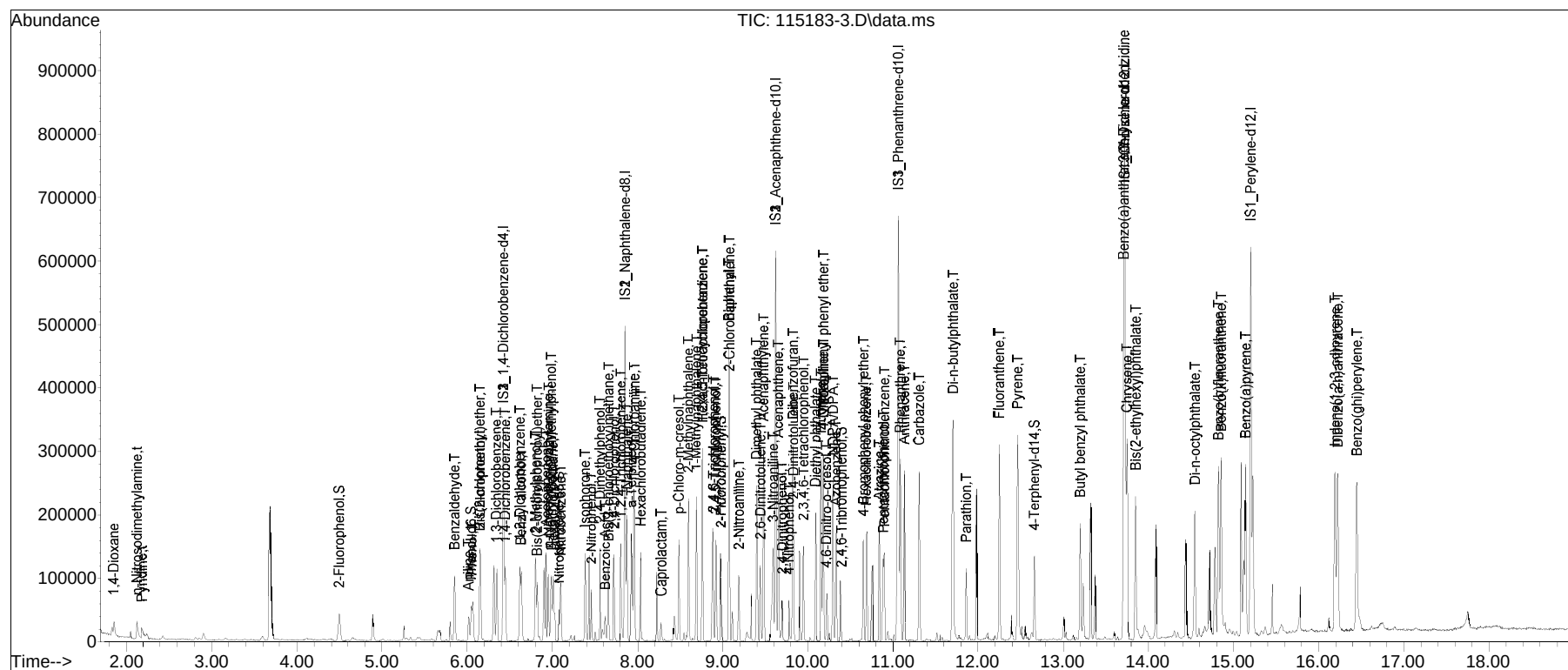
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

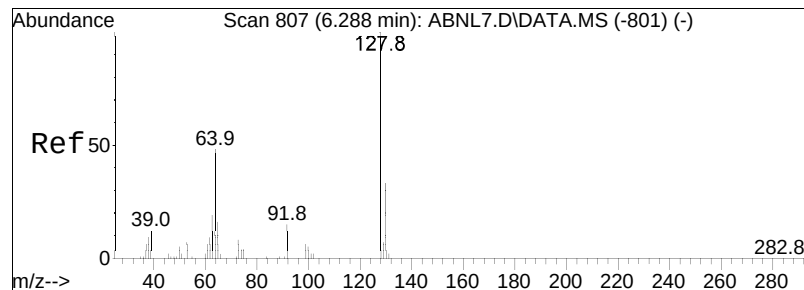
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250916\
 Data File : 115183-3.D
 Acq On : 16 Sep 2025 10:48 am
 Operator : SV107:smz
 Sample : WG2115183-3, 32,, gmr
 Misc : WG2115301, WG2115183, ical22592
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 16 12:39:19 2025
 Quant Method : I:\8270\SV107\250916\FS250826SV107RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 16 12:23:04 2025
 Response via : Initial Calibration

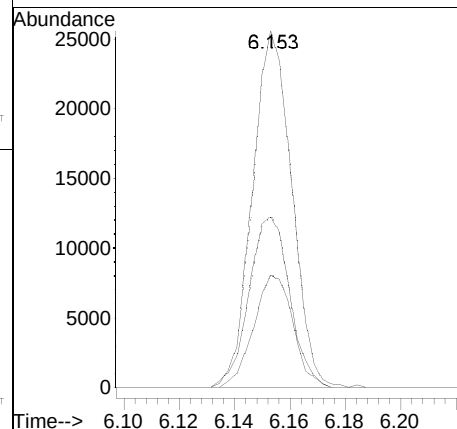
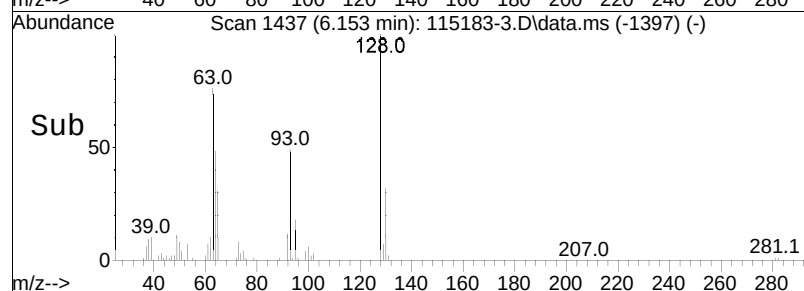
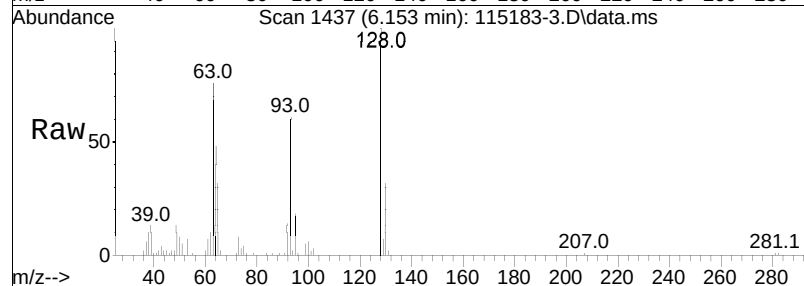
Sub List : 8270TCL_REV2 - TCL/CT/MA\AP90916a.D•

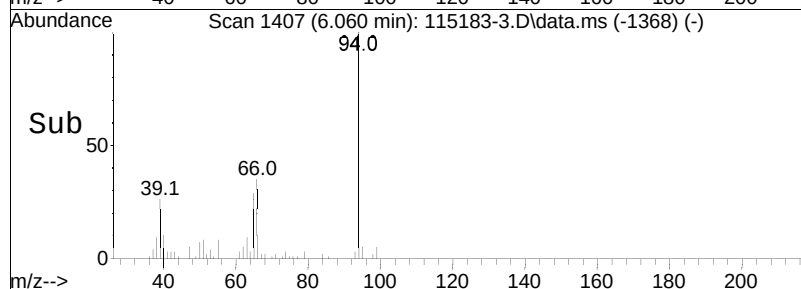
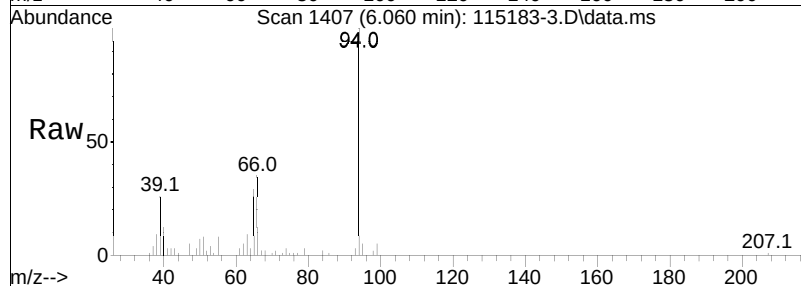
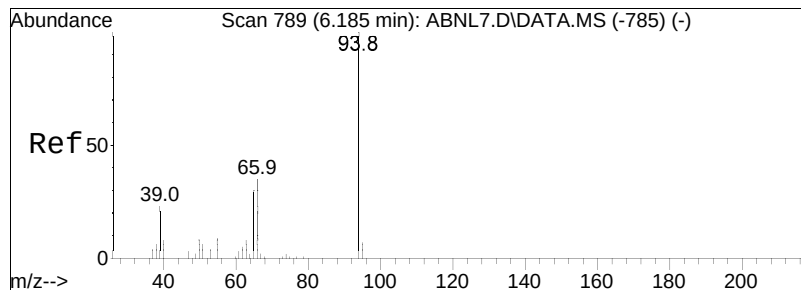




#6
 2-Chlorophenol
 Concen: 1.53 ug/ml
 RT: 6.153 min Scan# 1437
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

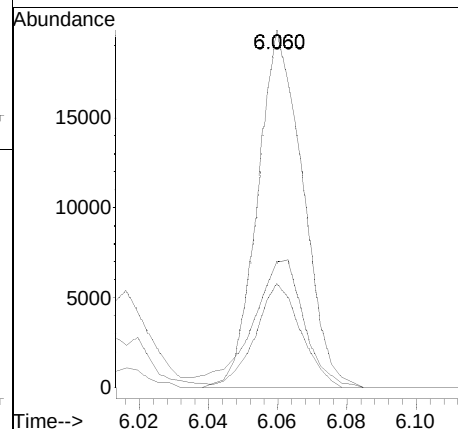
Tgt Ion	Ratio	Lower	Upper
128	100		
64	49.7	45.1	67.7
130	31.8	26.2	39.4

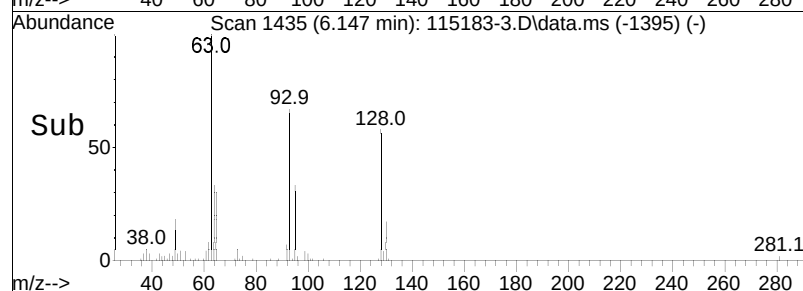
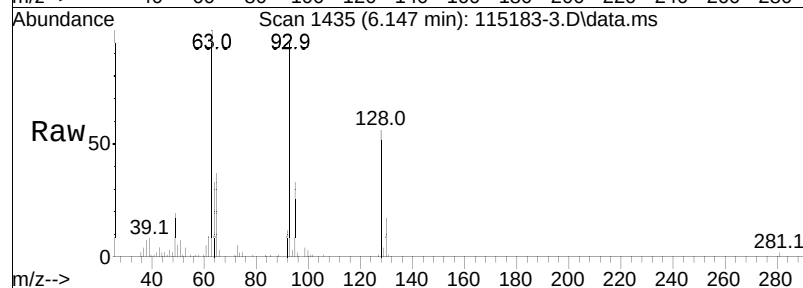
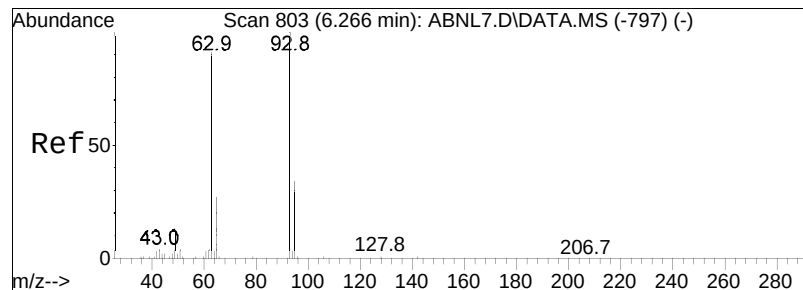




#8
 Phenol
 Concen: 0.95 ug/ml
 RT: 6.060 min Scan# 1407
 Delta R.T. -0.003 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

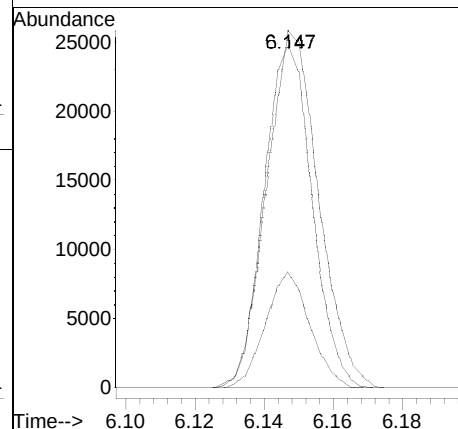
Tgt	Ion	Ratio	Lower	Upper
94	100			
65	29.5	26.0	39.0	
66	41.6	33.8	50.8	

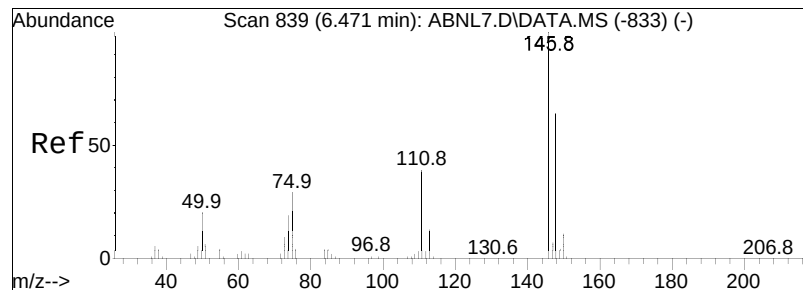




#9
 Bis(2-chloroethyl)ether
 Concen: 1.49 ug/ml
 RT: 6.147 min Scan# 1435
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

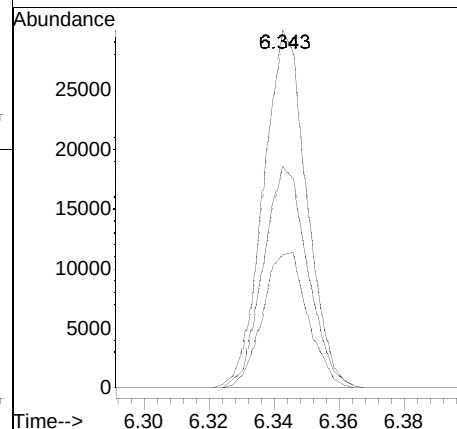
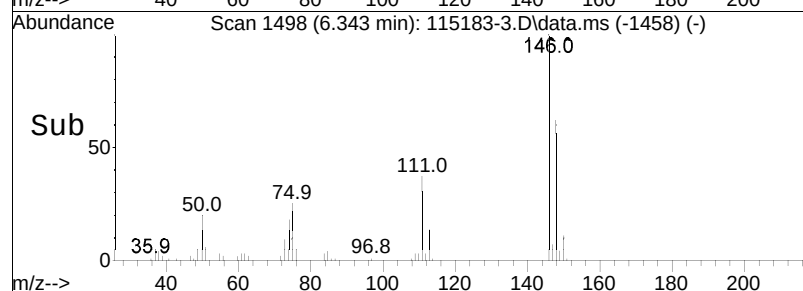
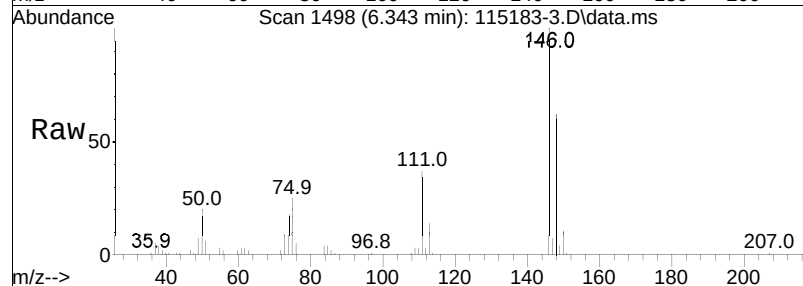
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	23769		
63	112.8		74.6	111.8#
95	31.5		25.9	38.9

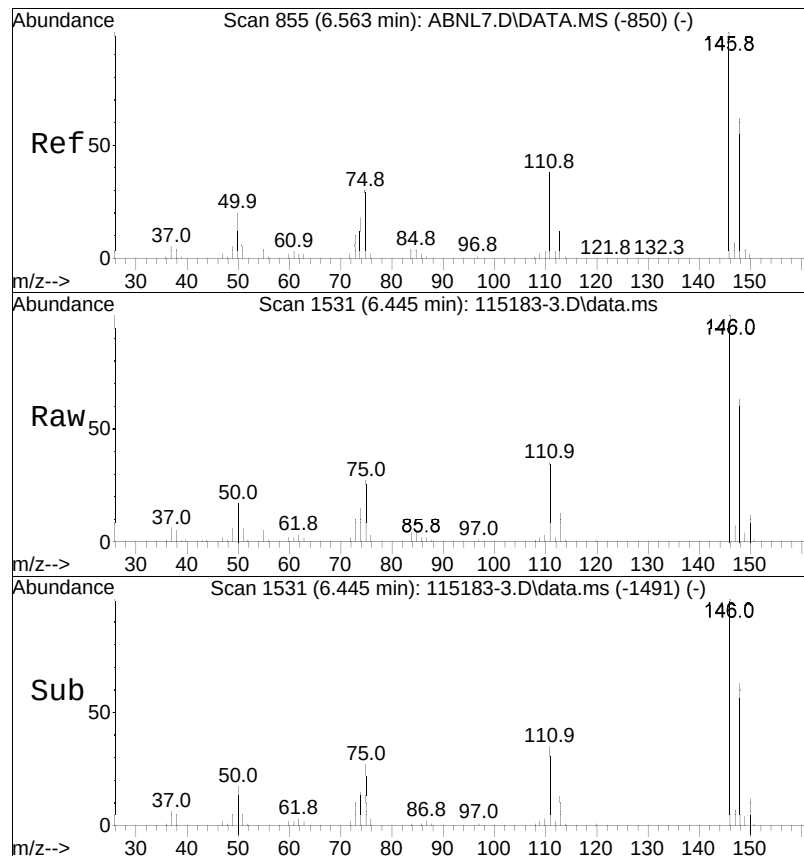




#10
 1,3-Dichlorobenzene
 Concen: 1.32 ug/ml
 RT: 6.343 min Scan# 1498
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

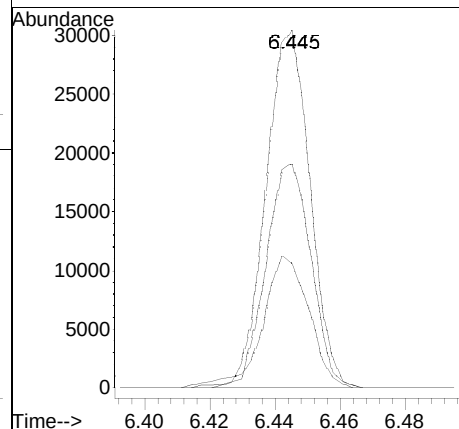
Tgt Ion:	146	Resp:	27479
Ion Ratio	Lower	Upper	
146	100		
111	39.5	34.3	51.5
148	63.7	50.8	76.2

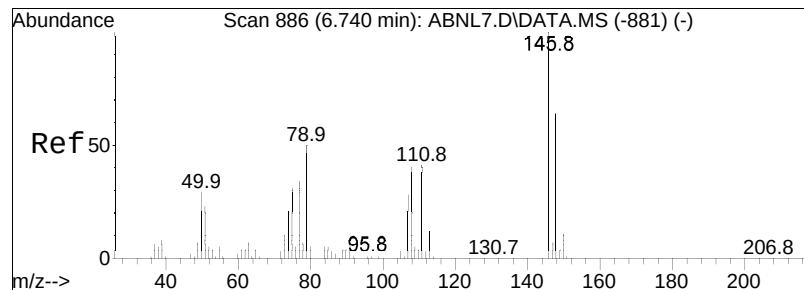




#11
 1,4-Dichlorobenzene
 Concen: 1.34 ug/ml
 RT: 6.445 min Scan# 1531
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

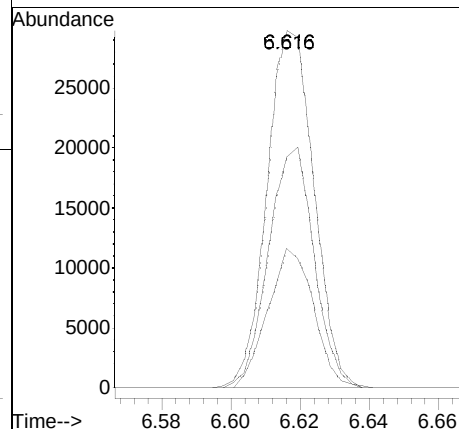
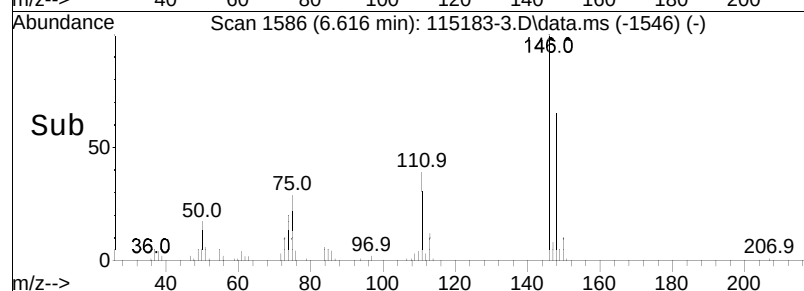
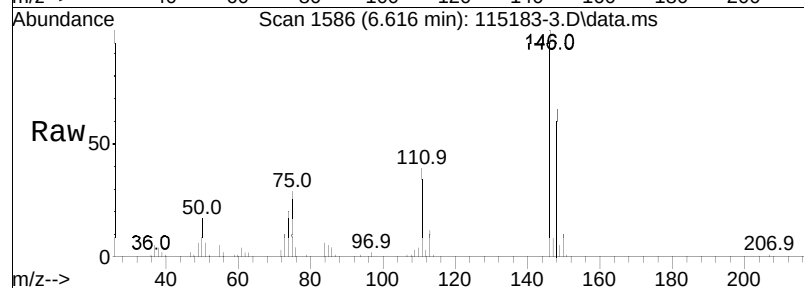
Tgt Ion:	146	Resp:	28408
Ion Ratio	Lower	Upper	
146	100		
148	64.5	50.7	76.1
111	39.0	33.4	50.0

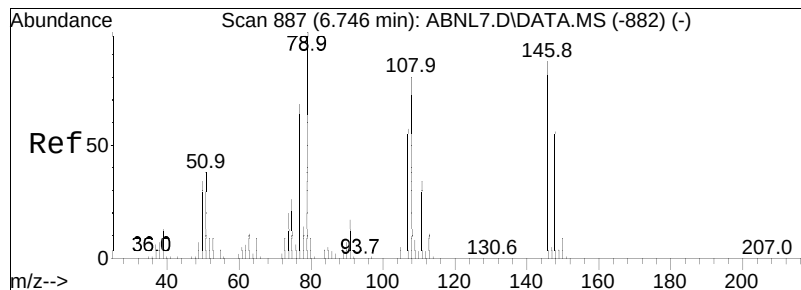




#12
 1,2-Dichlorobenzene
 Concen: 1.37 ug/ml
 RT: 6.616 min Scan# 1586
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	34.6	52.0
148	65.4	50.2	75.4





#13

Benzyl alcohol

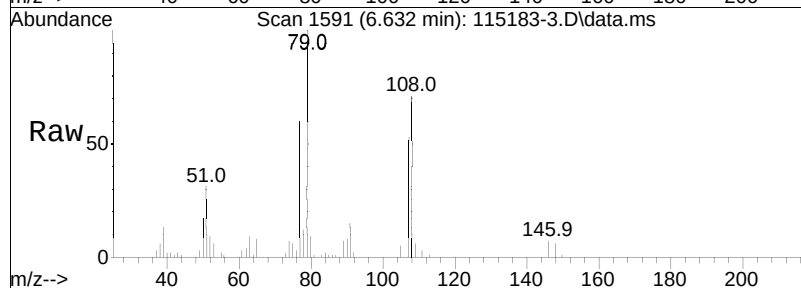
Concen: 1.58 ug/ml

RT: 6.632 min Scan# 1591

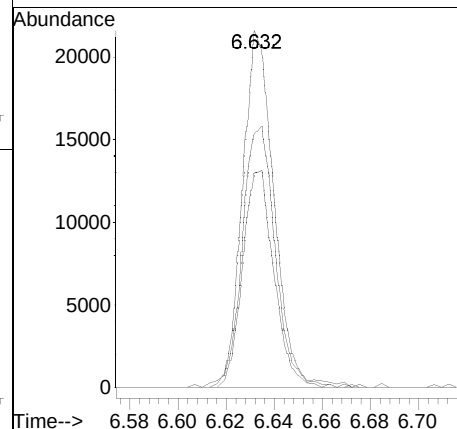
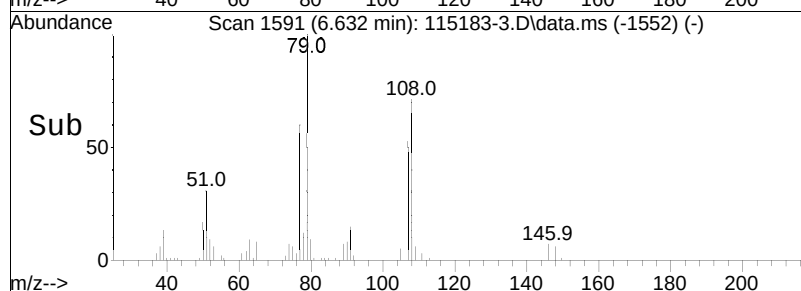
Delta R.T. -0.003 min

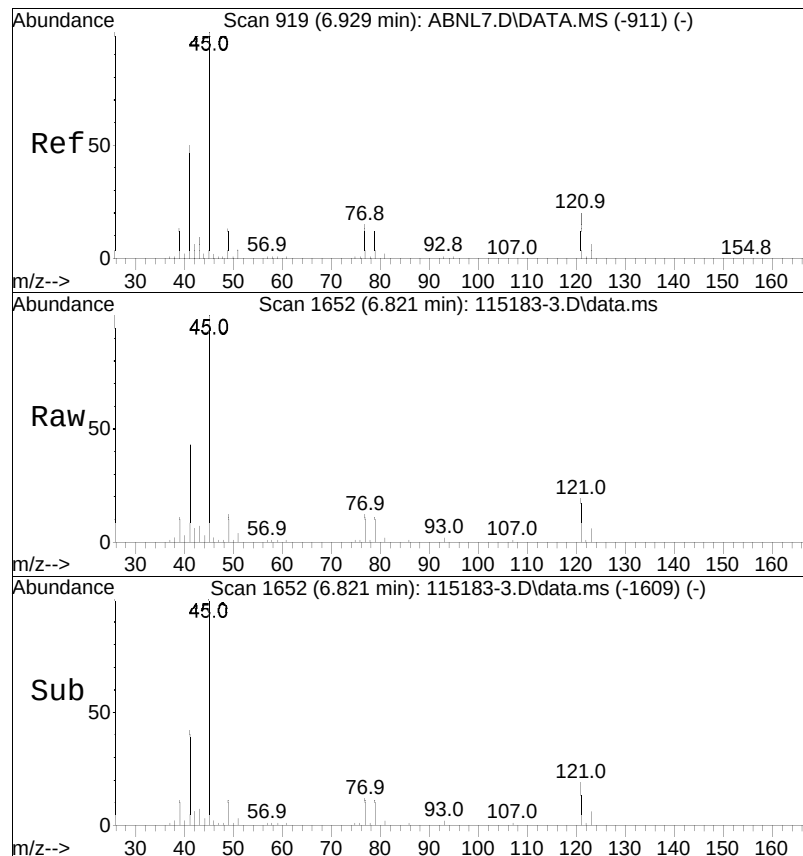
Lab File: 115183-3.D

Acq: 16 Sep 2025 10:48 am



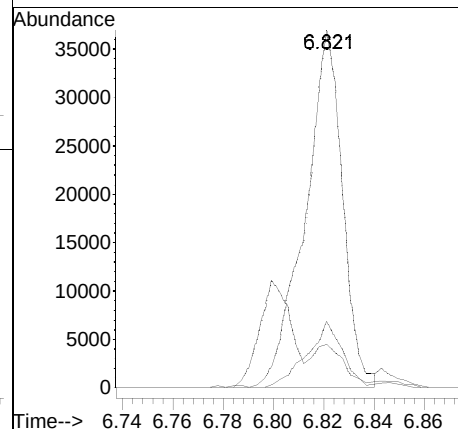
Tgt Ion:	79	Resp:	19650
Ion Ratio	Lower	Upper	
79	100		
77	60.6	54.9	82.3
108	76.4	63.1	94.7

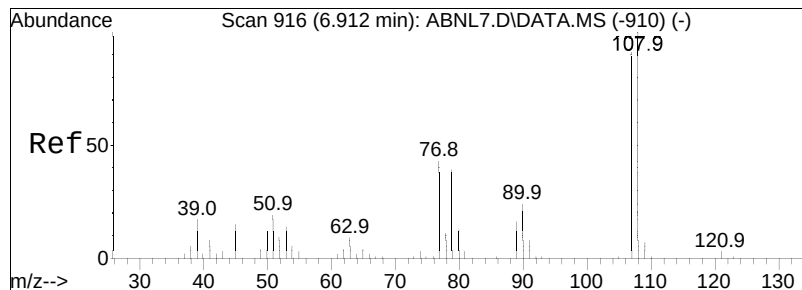




#14
 Bis(2-chloroisopropyl)ether
 Concen: 1.52 ug/ml
 RT: 6.821 min Scan# 1652
 Delta R.T. 0.009 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

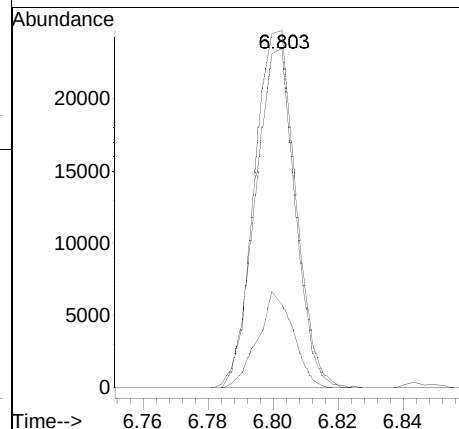
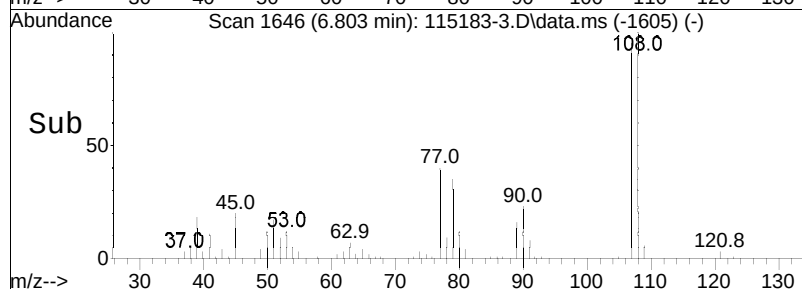
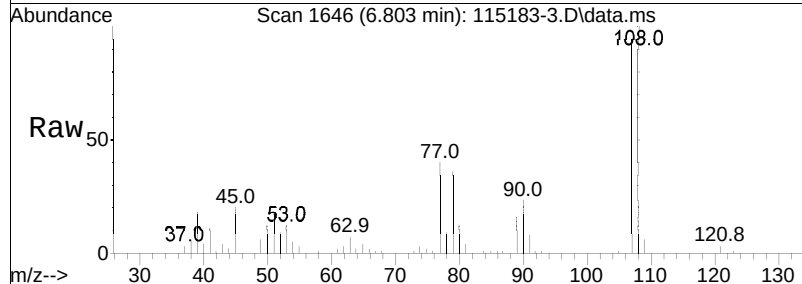
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	37938		
121	17.7		9.8	14.6#
77	7.4		6.1	9.1

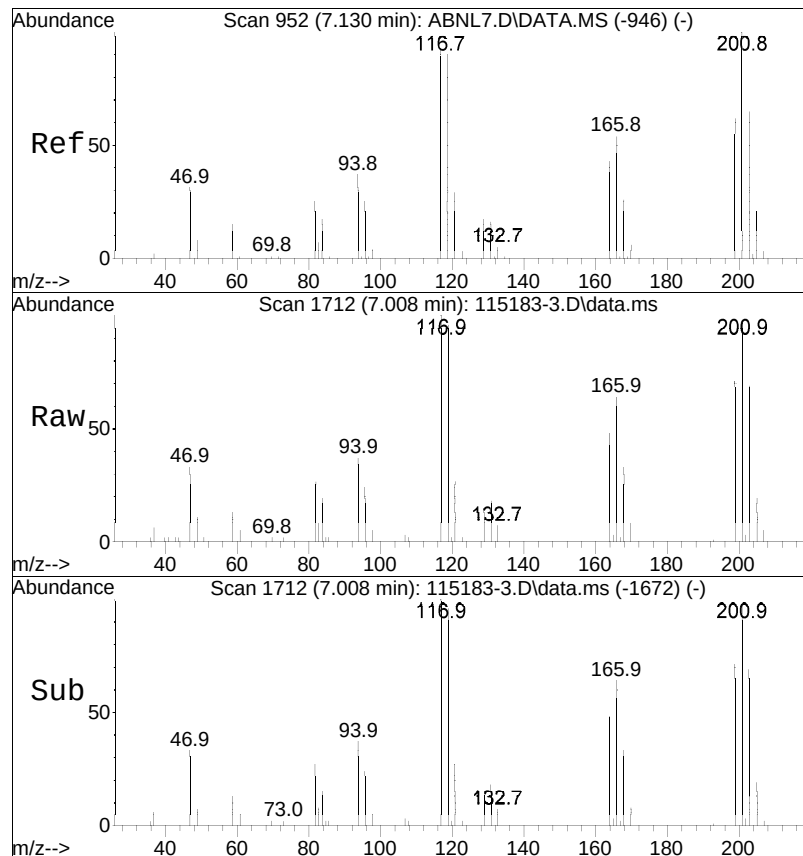




#15
 2-Methylphenol
 Concen: 1.56 ug/ml
 RT: 6.803 min Scan# 1646
 Delta R.T. 0.003 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

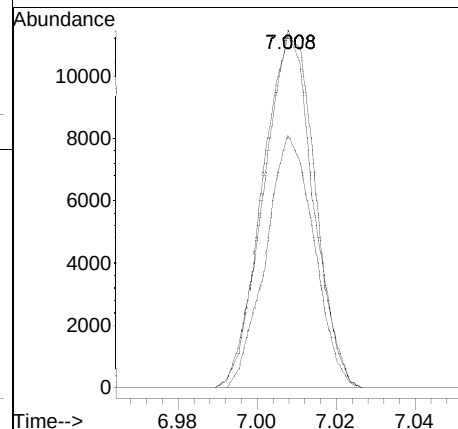
Tgt Ion	Ratio	Lower	Upper
108	100		
107	91.4	70.7	106.1
90	23.2	18.7	28.1

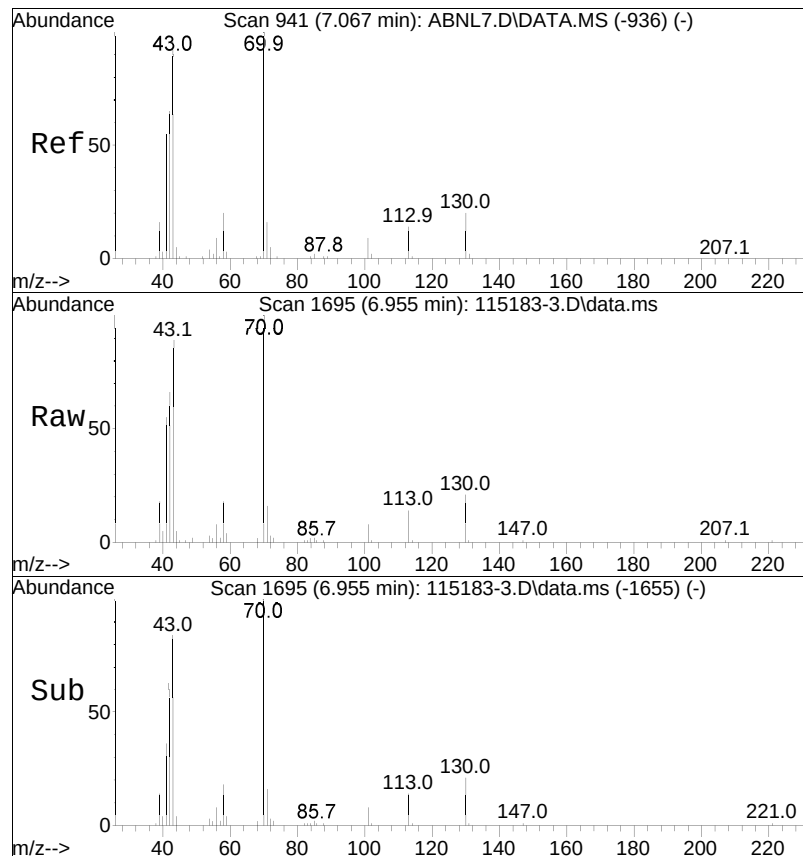




#16
 Hexachloroethane
 Concen: 1.27 ug/ml
 RT: 7.008 min Scan# 1712
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

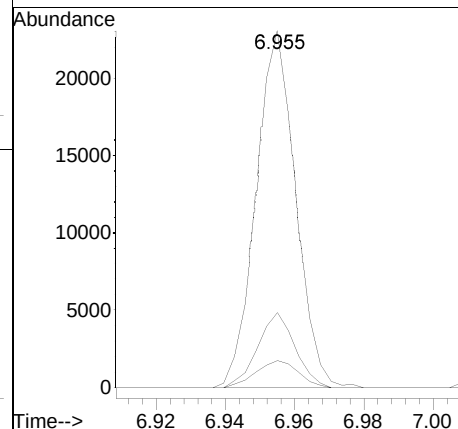
Tgt Ion:	117	Resp:	9888
Ion Ratio	Lower	Upper	
117	100		
201	105.0	58.6	87.8#
199	69.2	36.9	55.3#

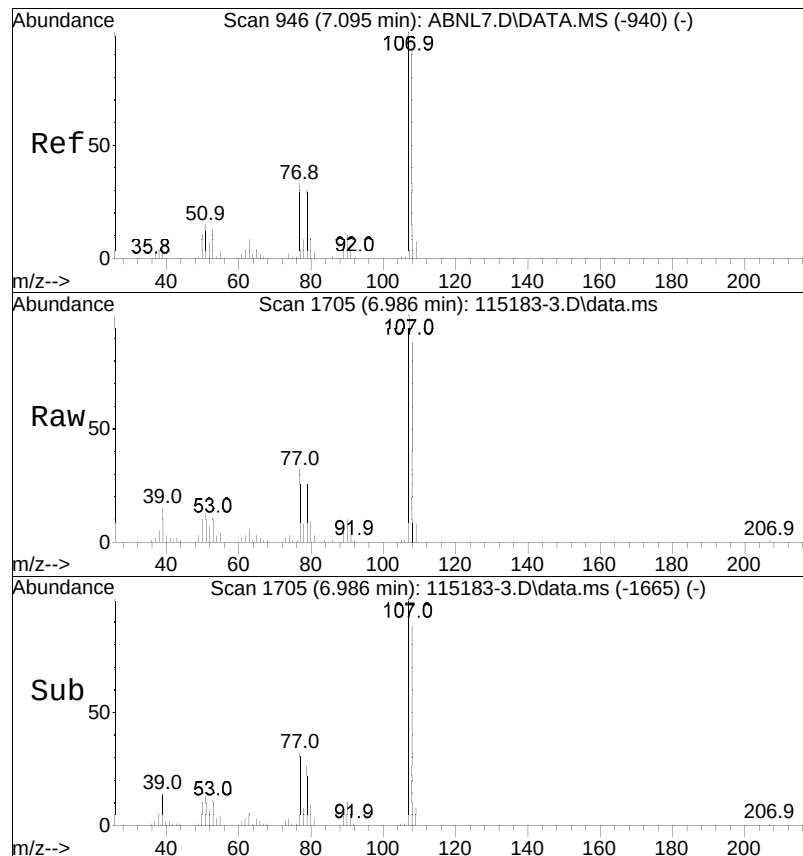




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.66 ug/ml
 RT: 6.955 min Scan# 1695
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

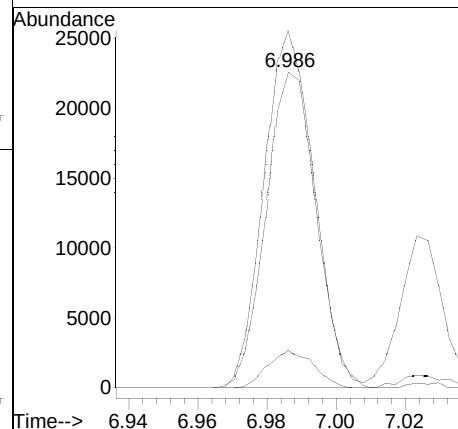
Tgt Ion:	70	Resp:	18232
Ion Ratio	Lower	Upper	
70	100		
130	19.9	18.2	27.4
101	8.2	7.8	11.8

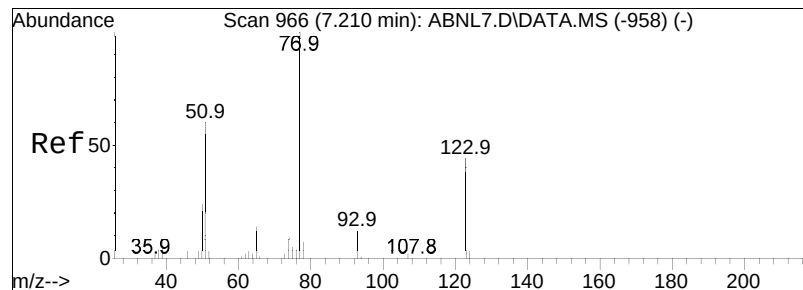




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.55 ug/ml
 RT: 6.986 min Scan# 1705
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

Tgt Ion:	108	Resp:	22807
Ion Ratio	Lower	Upper	
108	100		
107	113.0	88.6	132.8
90	10.9	8.8	13.2





#20

Nitrobenzene

Concen: 1.58 ug/ml

RT: 7.101 min Scan# 1742

Delta R.T. -0.000 min

Lab File: 115183-3.D

Acq: 16 Sep 2025 10:48 am

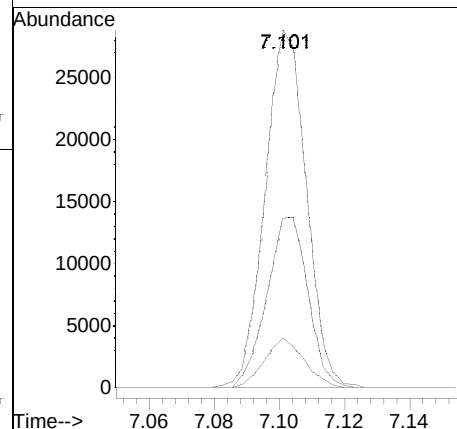
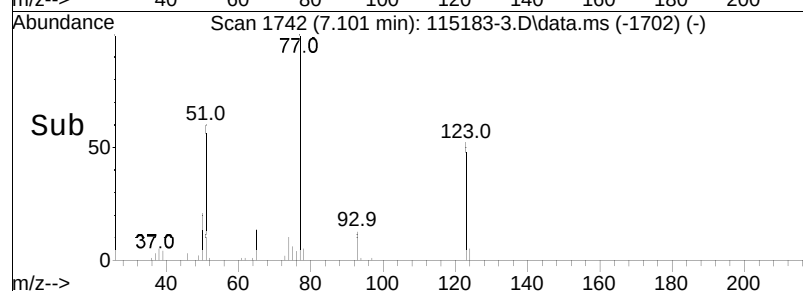
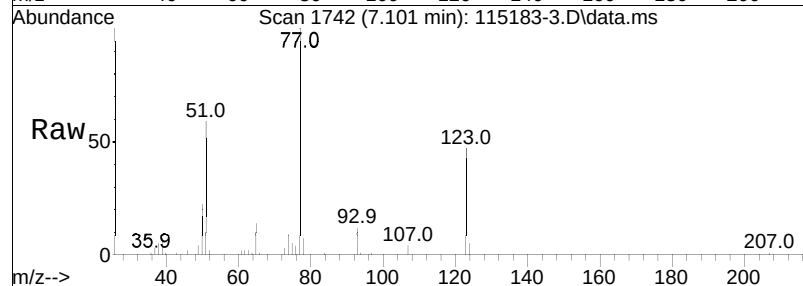
Tgt Ion: 77 Resp: 25108

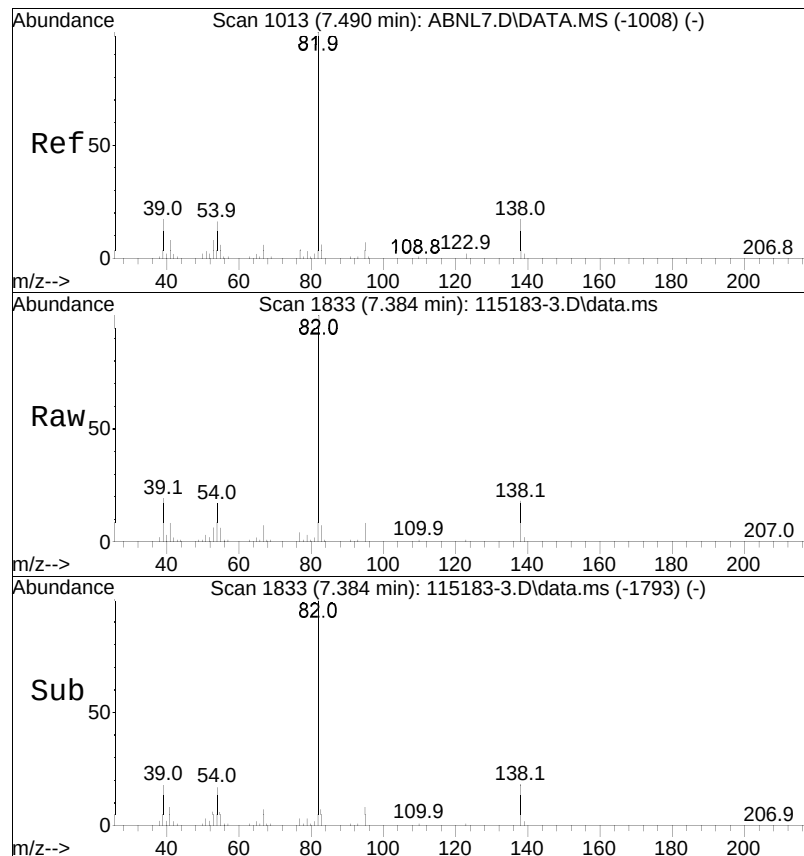
Ion Ratio Lower Upper

77 100

123 47.7 36.3 54.5

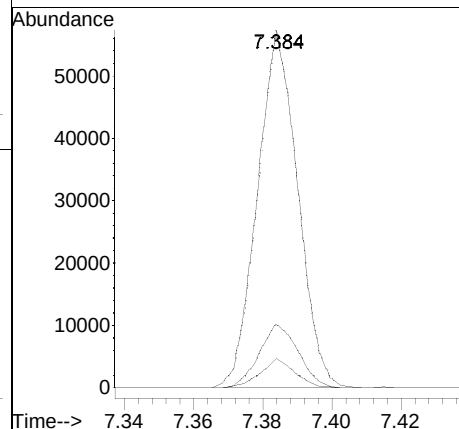
65 13.5 11.6 17.4

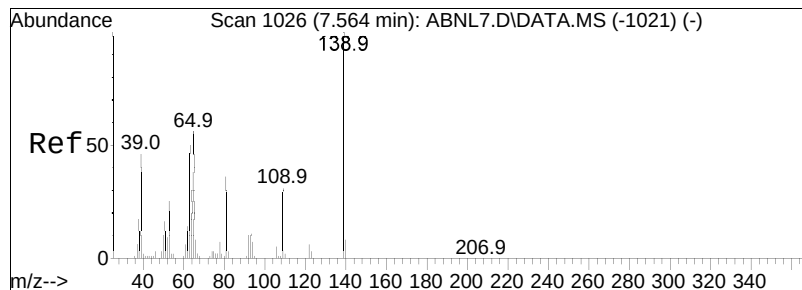




#21
 Isophorone
 Concen: 1.59 ug/ml
 RT: 7.384 min Scan# 1833
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

Tgt Ion:	82	Resp:	45751
Ion Ratio	Lower	Upper	
82	100		
138	17.3	14.7	22.1
95	7.2	5.2	7.8





#22

2-Nitrophenol

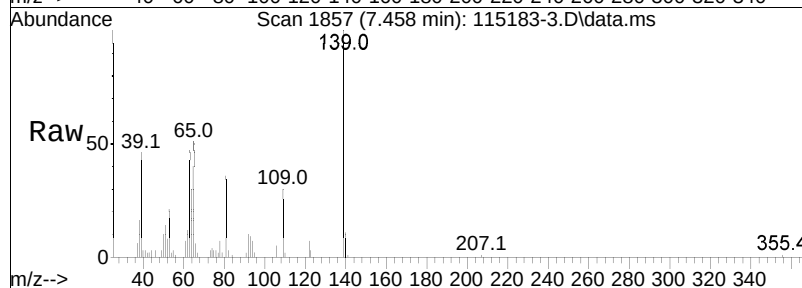
Concen: 1.83 ug/ml

RT: 7.458 min Scan# 1857

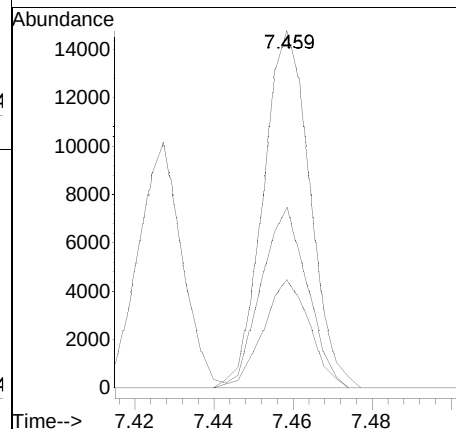
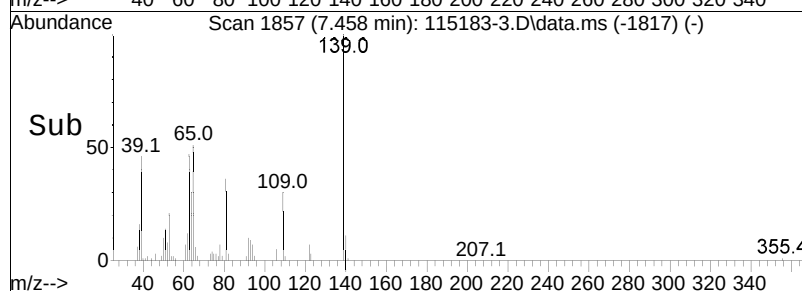
Delta R.T. -0.000 min

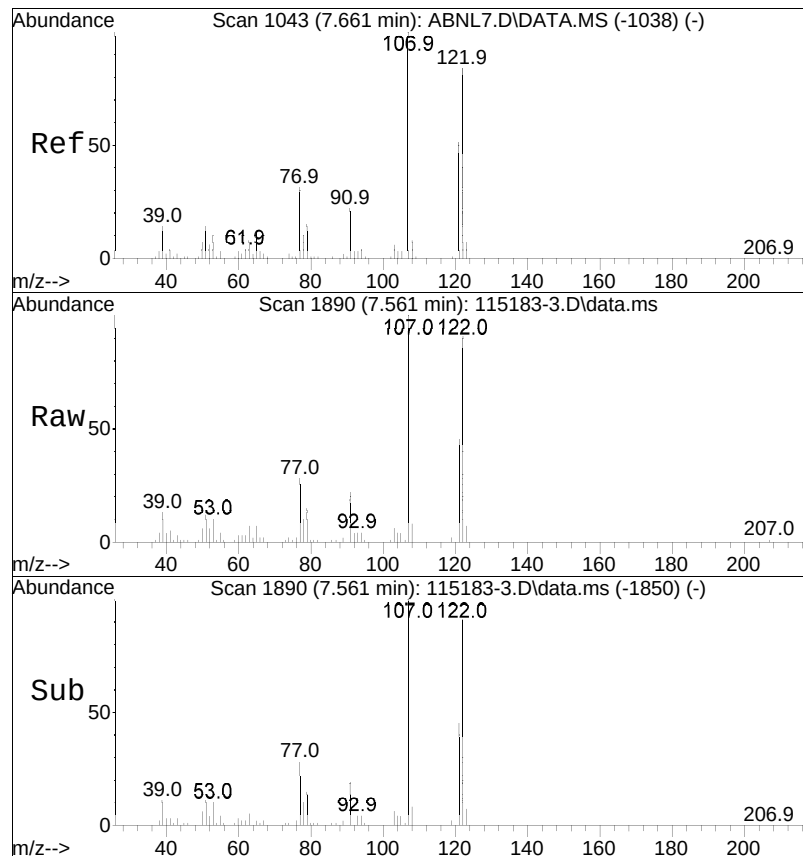
Lab File: 115183-3.D

Acq: 16 Sep 2025 10:48 am



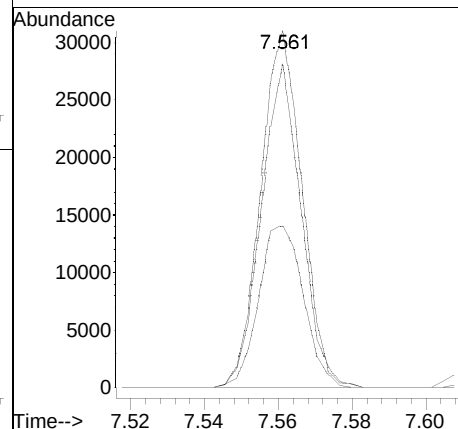
Tgt	Ion:139	Resp:	12109
Ion	Ratio	Lower	Upper
139	100		
109	30.2	19.4	29.0#
65	49.9	46.1	69.1

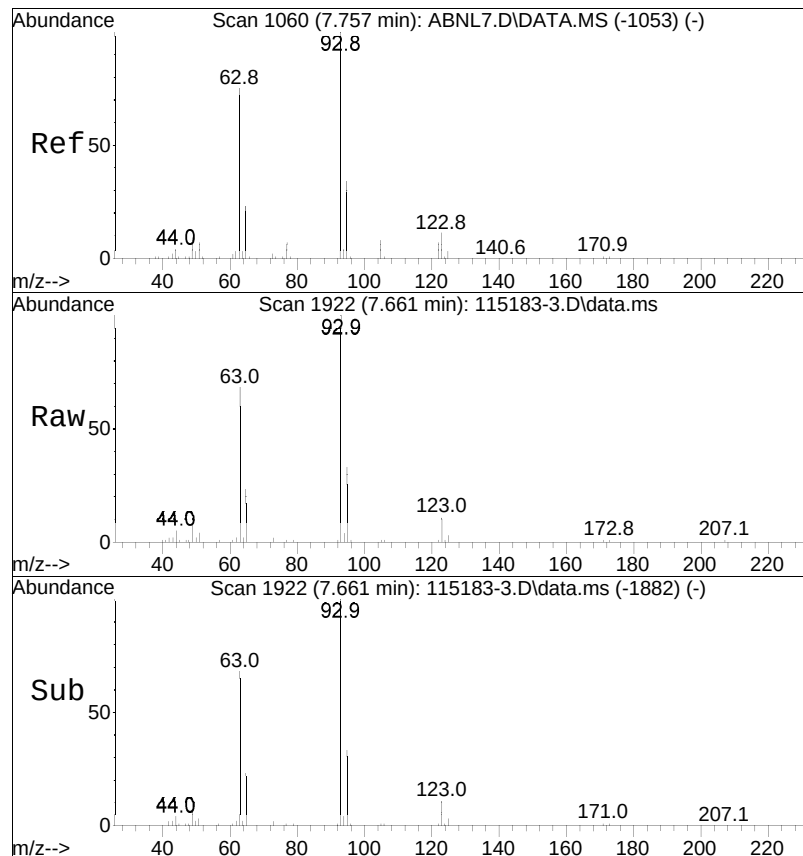




#23
 2,4-Dimethylphenol
 Concen: 1.56 ug/ml
 RT: 7.561 min Scan# 1890
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

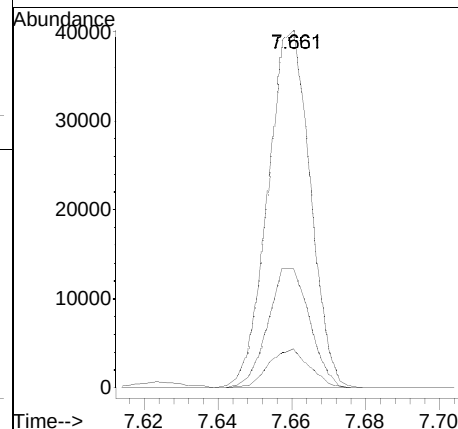
Tgt Ion:	107	Resp:	23997
Ion Ratio	Lower	Upper	
107	100		
121	49.1	40.0	60.0
122	87.2	70.2	105.4

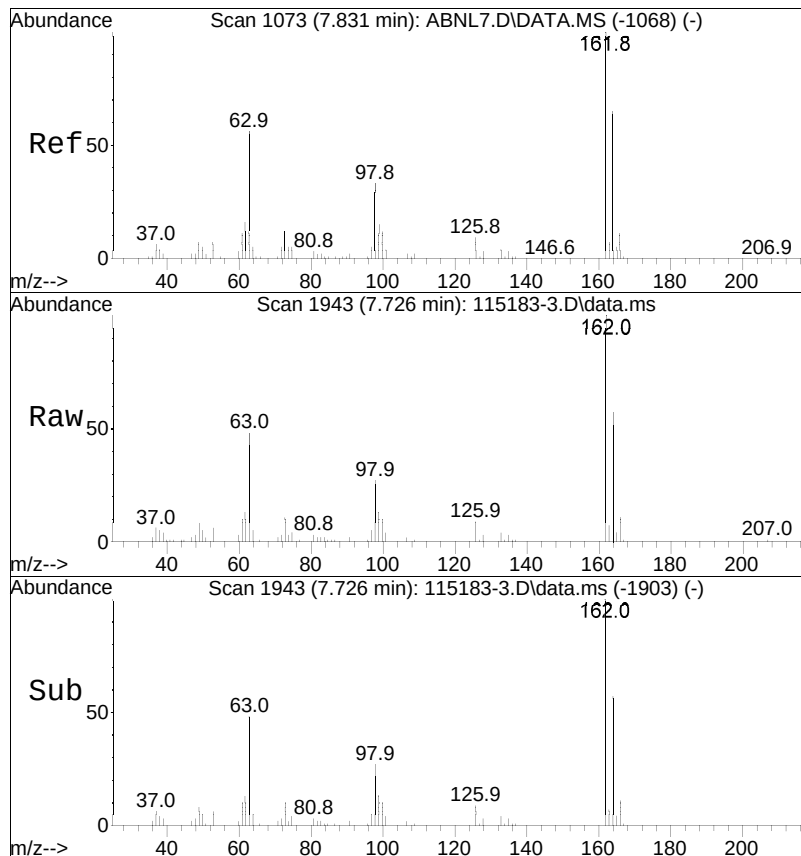




#24
 Bis(2-chloroethoxy)methane
 Concen: 1.64 ug/ml
 RT: 7.661 min Scan# 1922
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

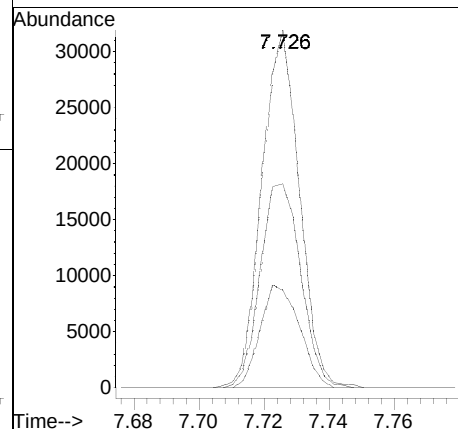
Tgt Ion:	93	Resp:	31763
Ion Ratio	Lower	Upper	
93	100		
95	33.0	25.8	38.8
123	10.7	10.1	15.1

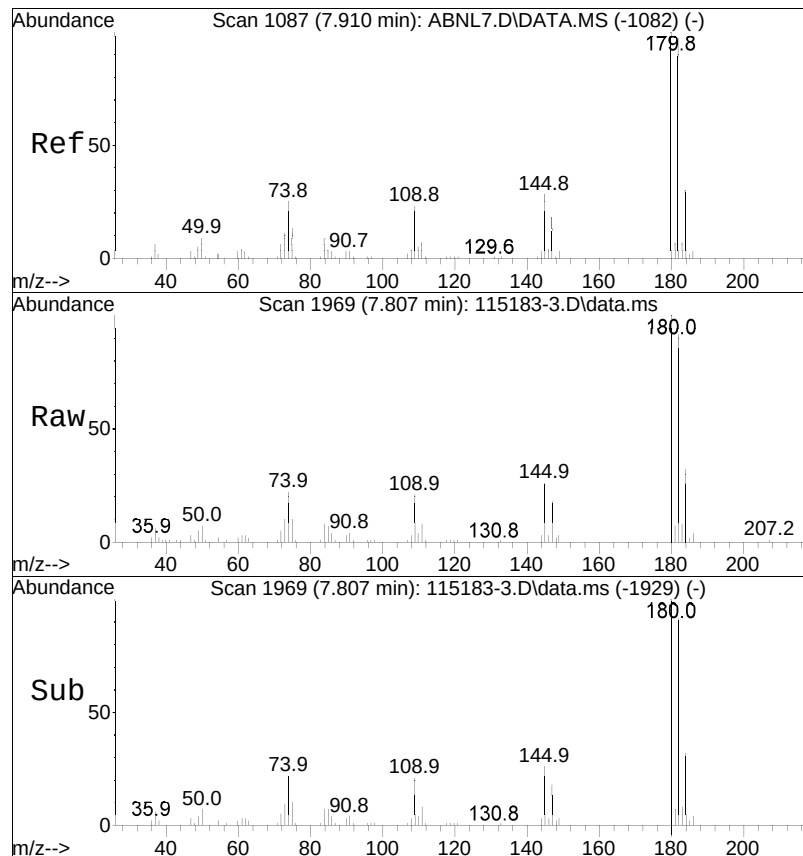




#25
 2,4-Dichlorophenol
 Concen: 1.70 ug/ml
 RT: 7.726 min Scan# 1943
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

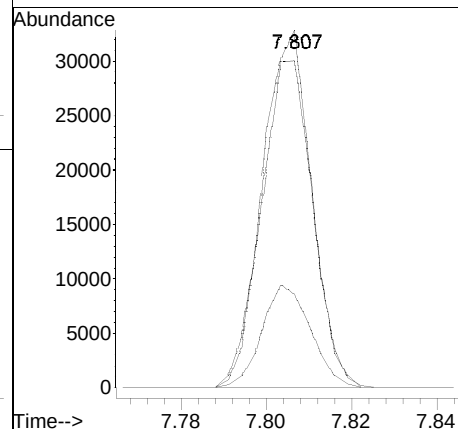
Tgt Ion:	162	Resp:	25243
Ion Ratio	Lower	Upper	
162	100		
164	61.8	51.0	76.4
98	30.3	32.2	48.2#

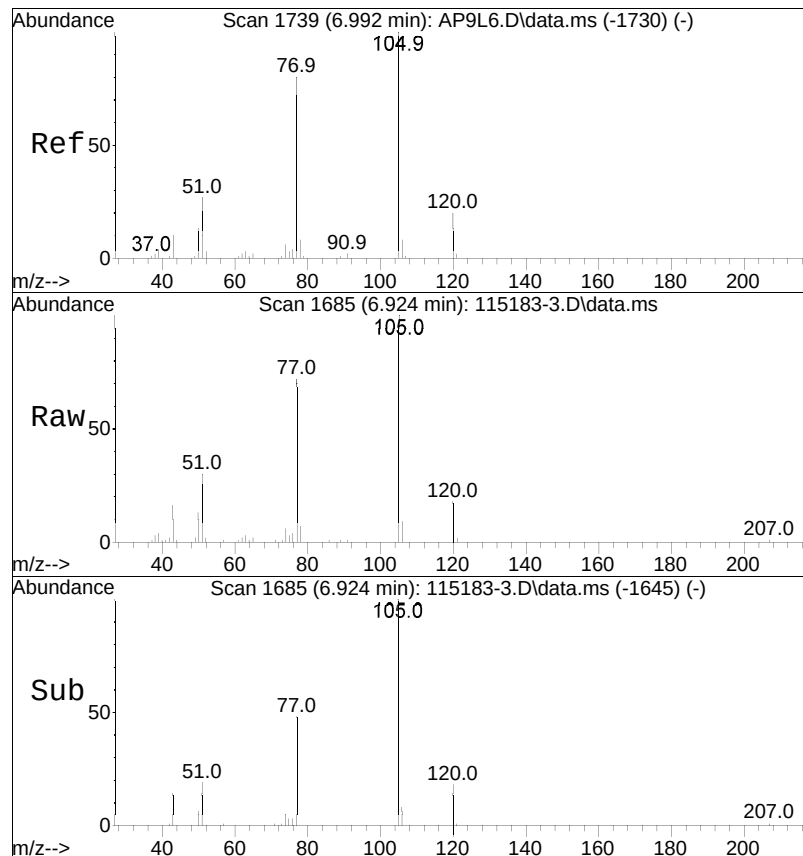




#26
 1,2,4-Trichlorobenzene
 Concen: 1.36 ug/ml
 RT: 7.807 min Scan# 1969
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

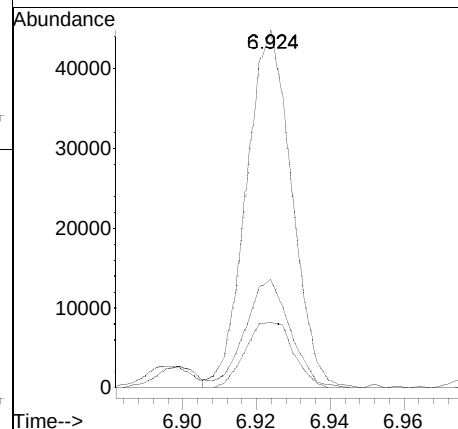
Tgt Ion:	180	Resp:	26353
Ion Ratio	Lower	Upper	
180	100		
182	94.1	76.0	114.0
145	28.2	25.7	38.5

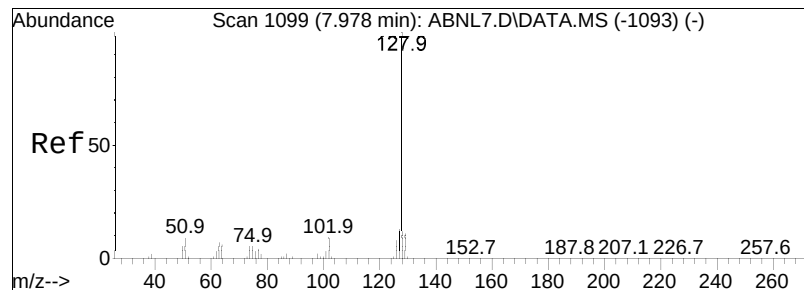




#29
 Acetophenone
 Concen: 1.58 ug/ml
 RT: 6.924 min Scan# 1685
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

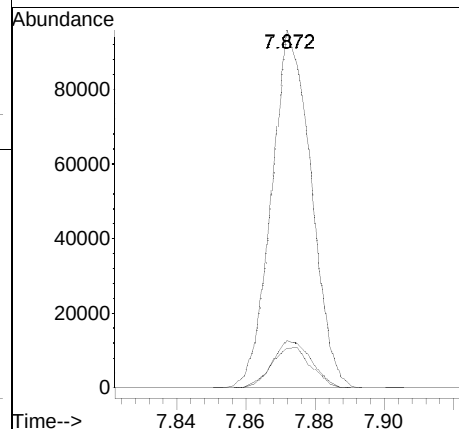
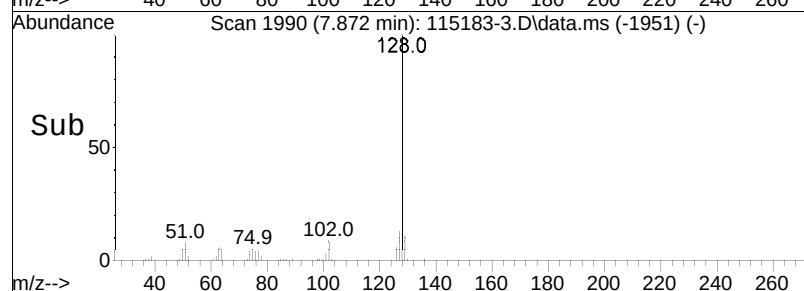
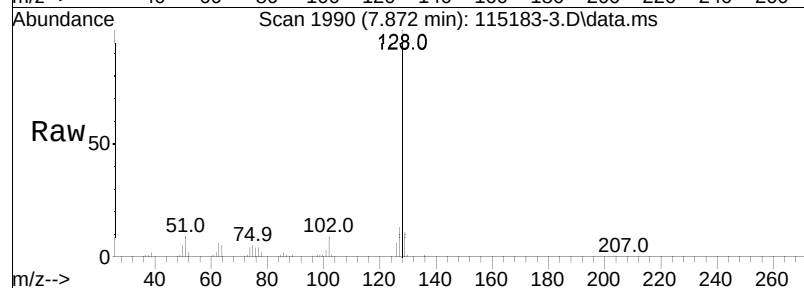
Tgt Ion:	105	Resp:	37999
Ion Ratio	Lower	Upper	
105	100		
120	19.3	20.5	30.7#
51	29.9	34.9	52.3#

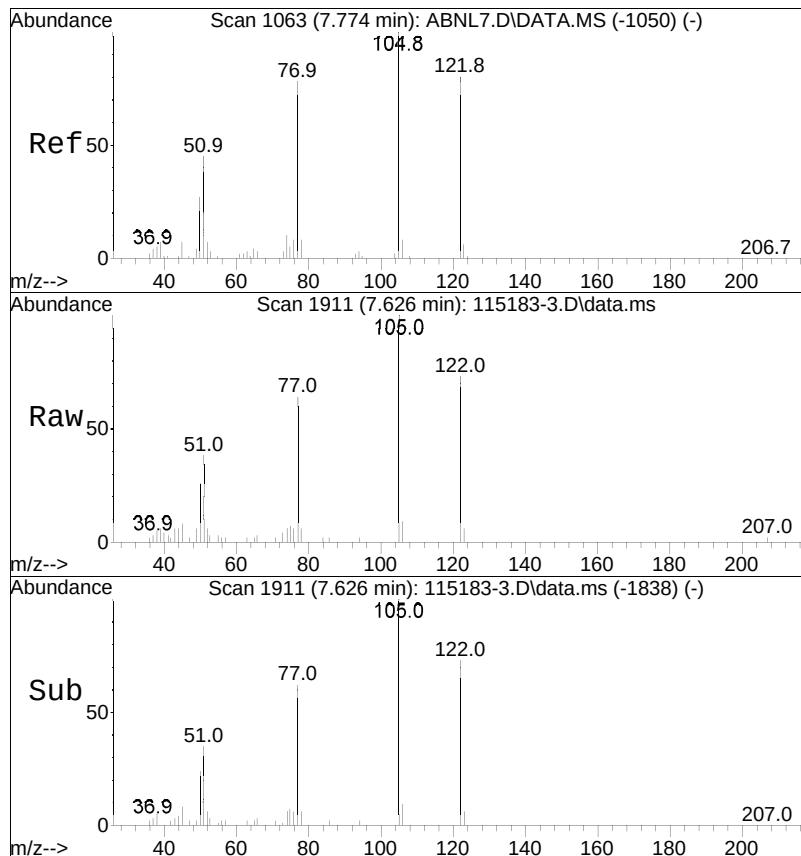




#36
Naphthalene
Concen: 1.44 ug/ml
RT: 7.872 min Scan# 1990
Delta R.T. -0.003 min
Lab File: 115183-3.D
Acq: 16 Sep 2025 10:48 am

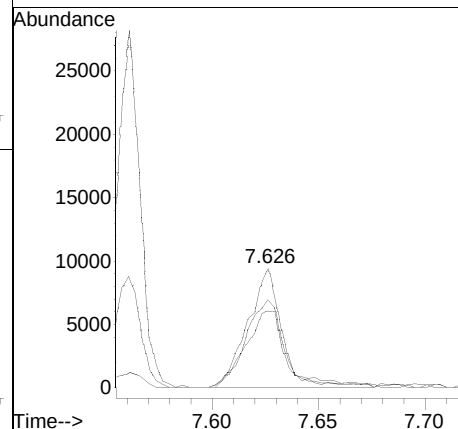
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.7	13.1
127	13.2	10.3	15.5

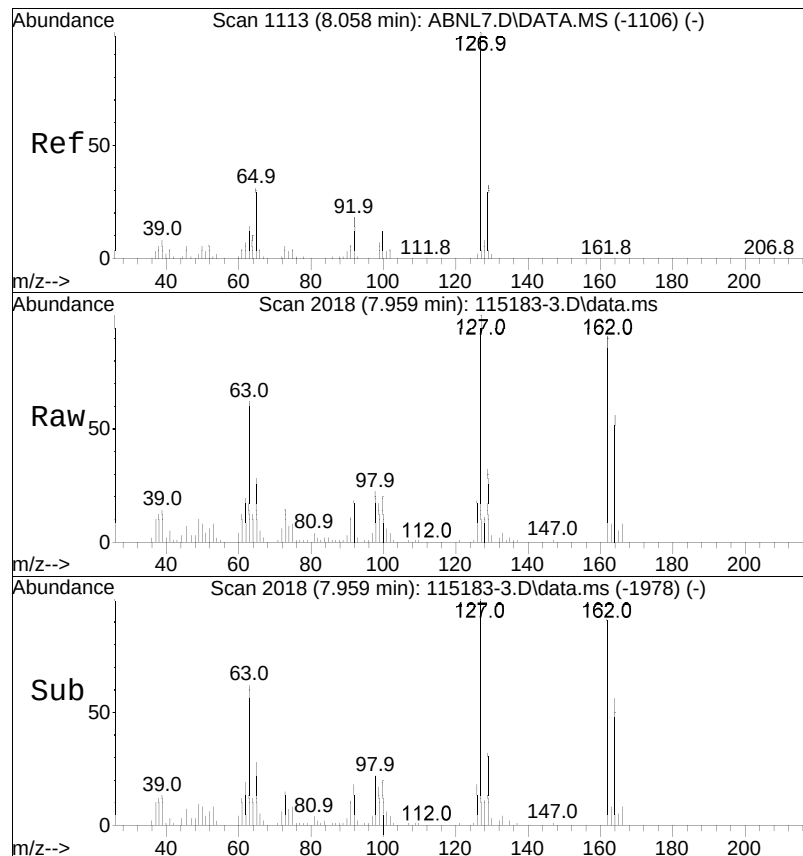




#37
 Benzoic Acid
 Concen: 2.13 ug/ml
 RT: 7.626 min Scan# 1911
 Delta R.T. -0.022 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

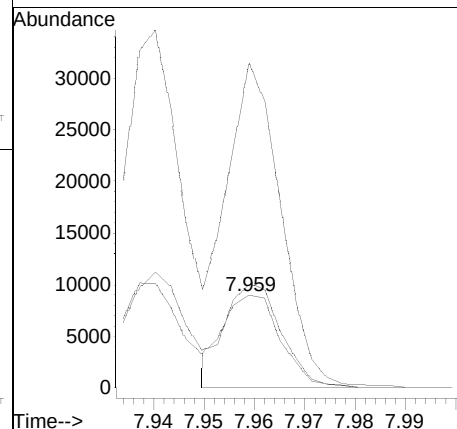
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	10924		
122	77.2		59.9	89.9
77	70.8		60.1	90.1

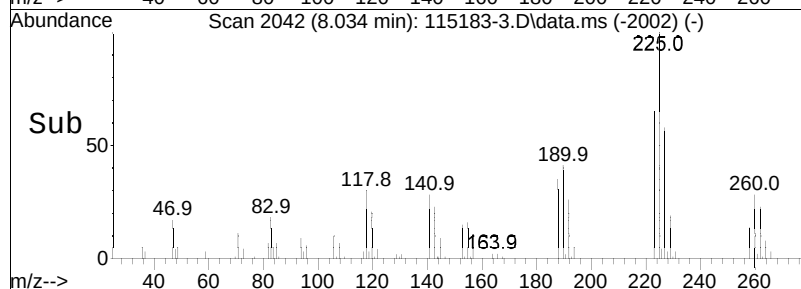
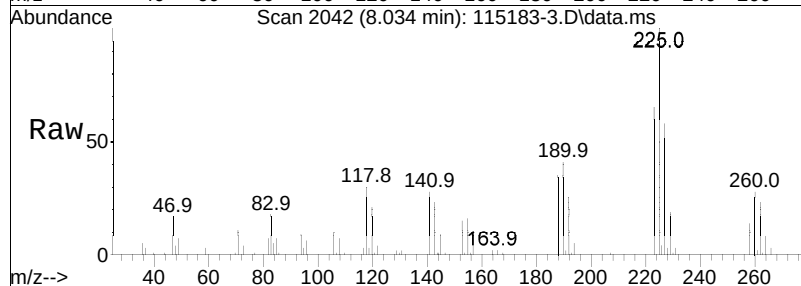
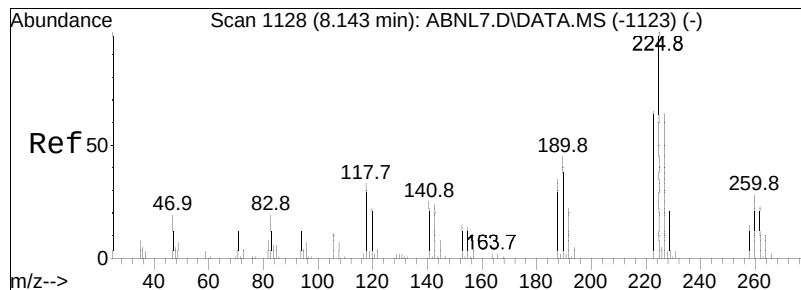




#38
 4-Chloroaniline
 Concen: 1.20 ug/ml
 RT: 7.959 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

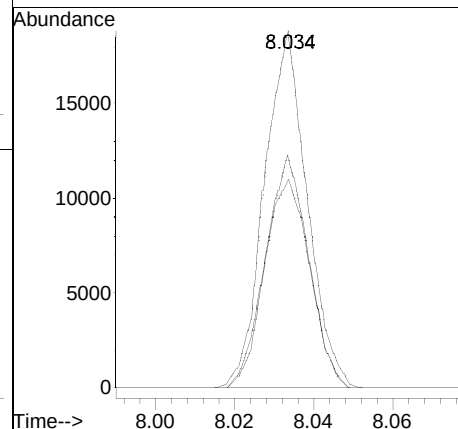
Tgt Ion:	65	Resp:	7151
Ion Ratio	Lower	Upper	
65	100		
127	333.5	237.6	356.4
129	108.9	76.3	114.5

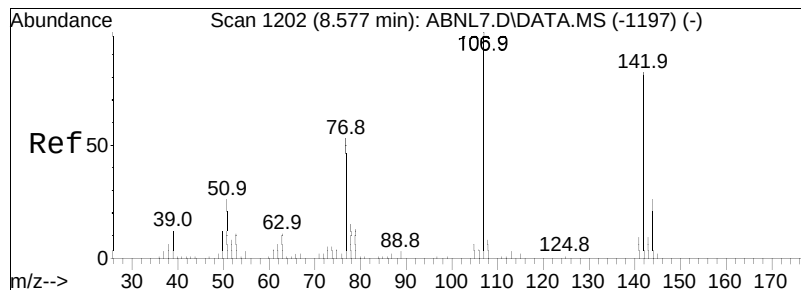




#39
 Hexachlorobutadiene
 Concen: 1.22 ug/ml
 RT: 8.034 min Scan# 2042
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

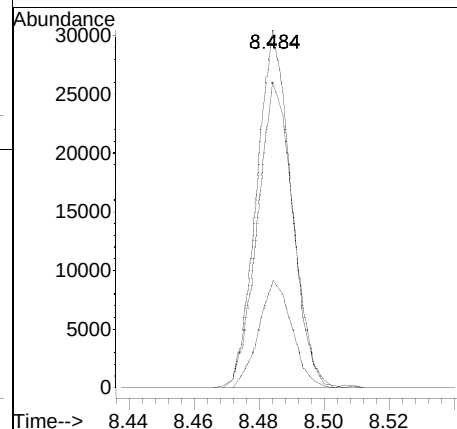
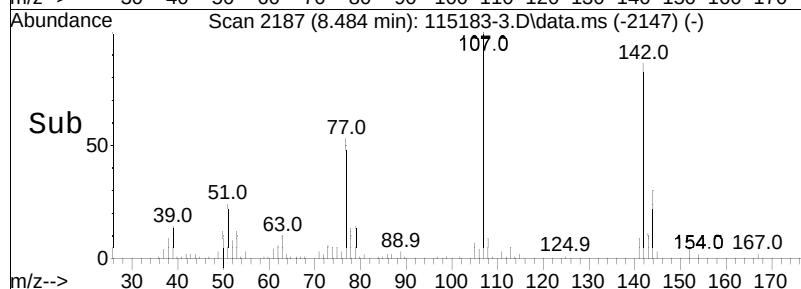
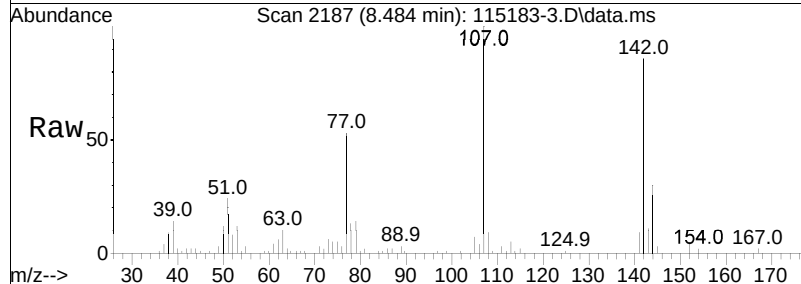
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14059		
223	66.0		50.3	75.5
227	62.1		52.2	78.2

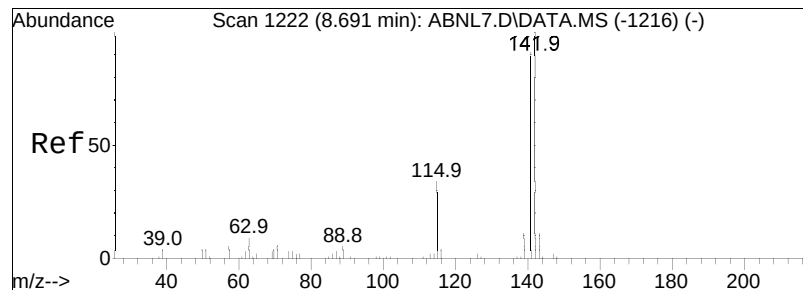




#40
 p-Chloro-m-cresol
 Concen: 1.76 ug/ml
 RT: 8.484 min Scan# 2187
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

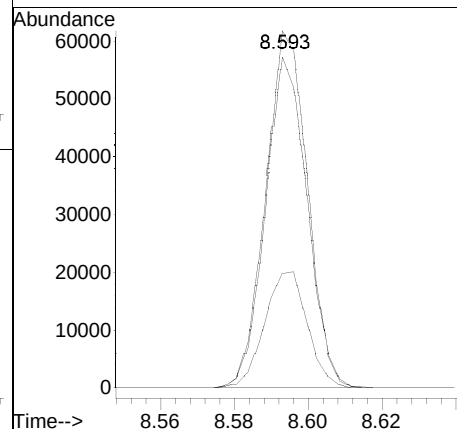
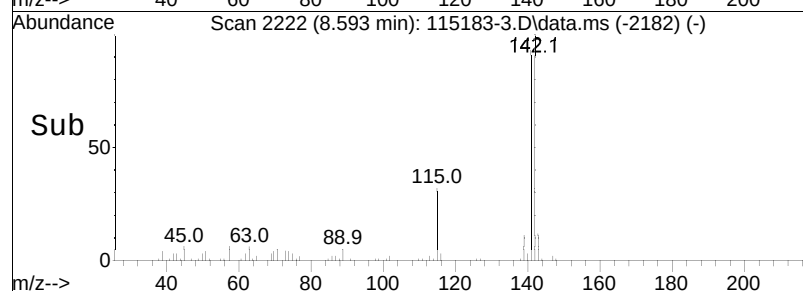
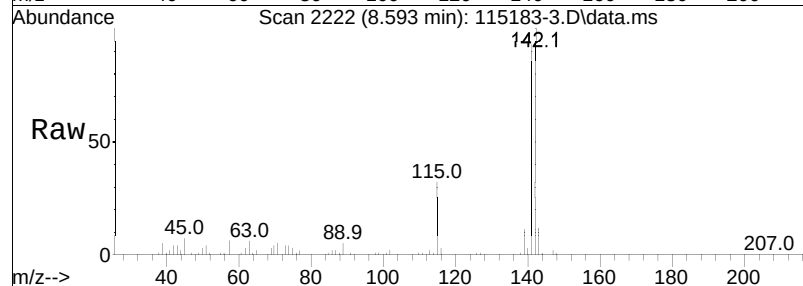
Tgt Ion:	107	Resp:	22382
Ion Ratio	Lower	Upper	
107	100		
144	28.9	20.9	31.3
142	87.3	66.1	99.1

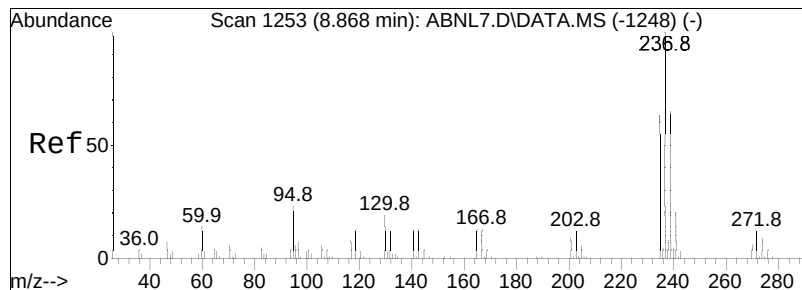




#41
 2-Methylnaphthalene
 Concen: 1.54 ug/ml
 RT: 8.593 min Scan# 2222
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

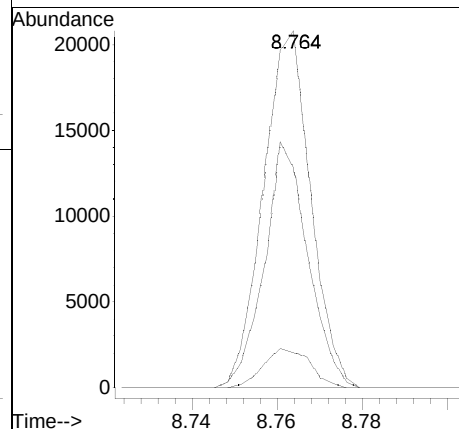
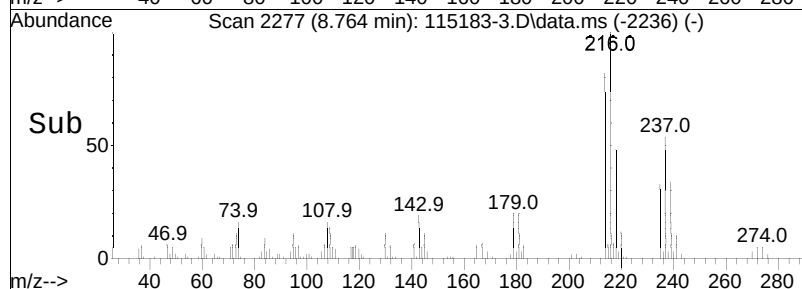
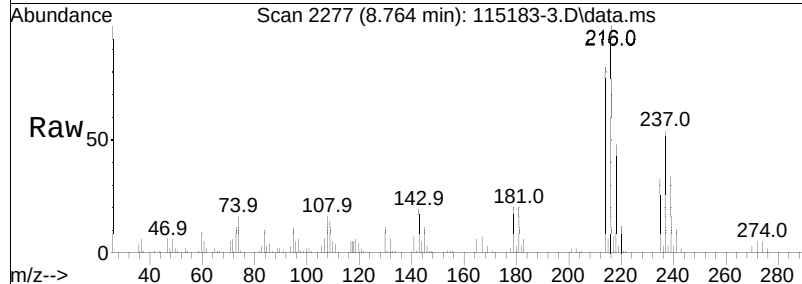
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	69.6	104.4
115	33.3	26.6	40.0

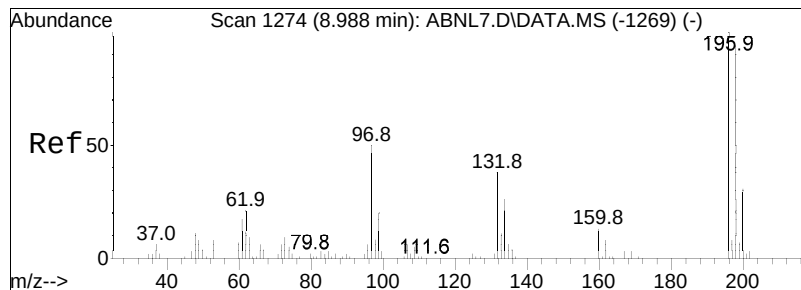




#43
 Hexachlorocyclopentadiene
 Concen: 1.32 ug/ml
 RT: 8.764 min Scan# 2277
 Delta R.T. 0.003 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

Tgt Ion	Ratio	Lower	Upper
237	100		
235	63.7	49.7	74.5
272	11.1	9.8	14.6





#44

2,4,6-Trichlorophenol

Concen: 1.81 ug/ml

RT: 8.891 min Scan# 2318

Delta R.T. 0.003 min

Lab File: 115183-3.D

Acq: 16 Sep 2025 10:48 am

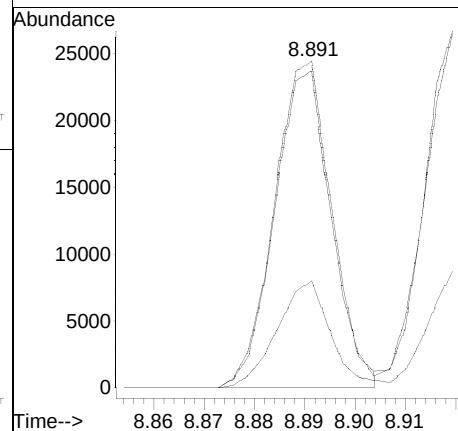
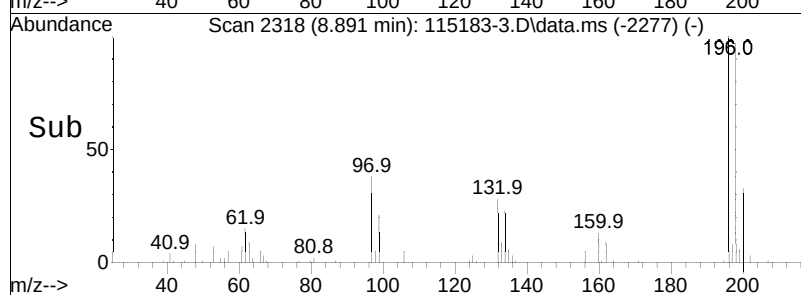
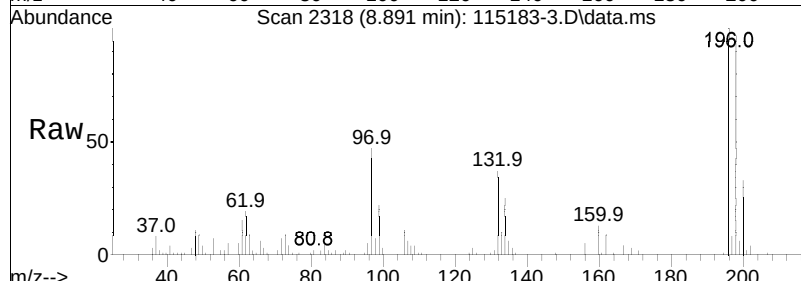
Tgt Ion:196 Resp: 19381

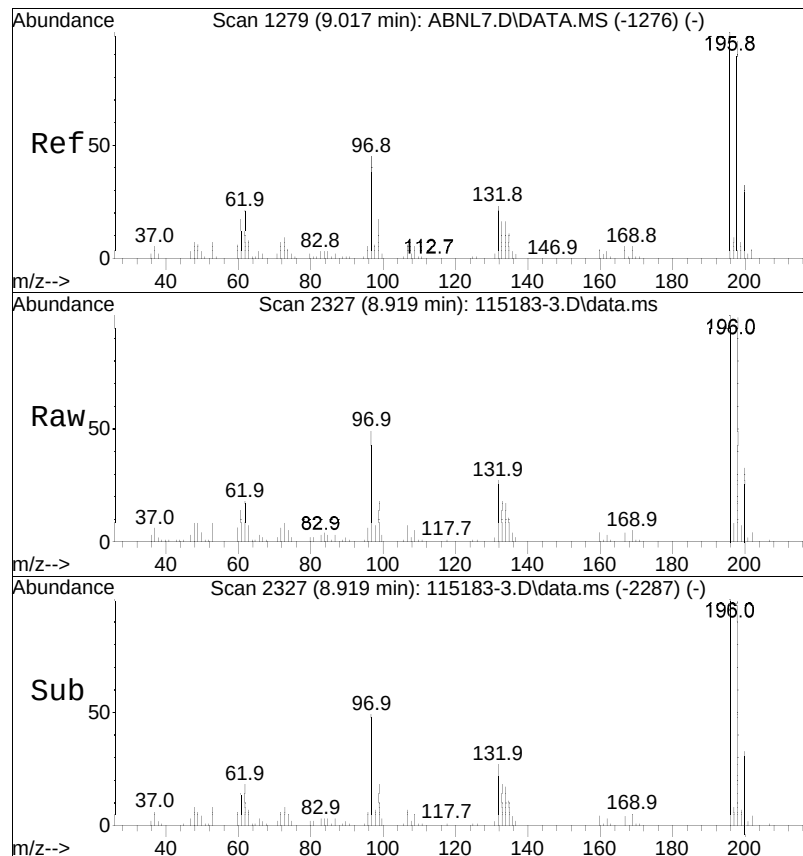
Ion Ratio Lower Upper

196 100

198 95.5 77.5 116.3

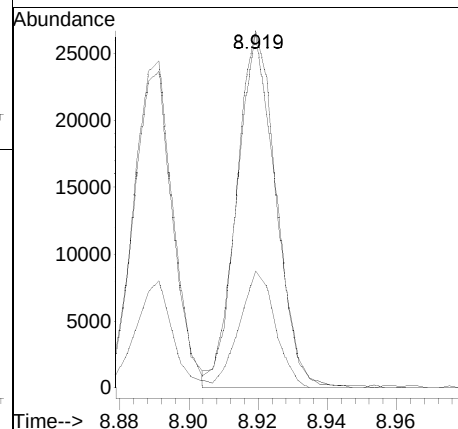
200 30.8 23.8 35.6

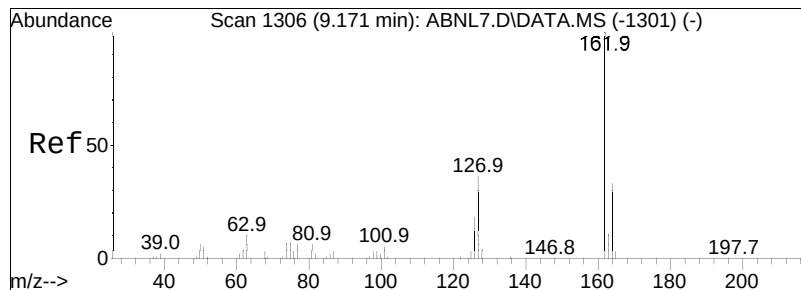




#45
 2,4,5-Trichlorophenol
 Concen: 1.87 ug/ml
 RT: 8.919 min Scan# 2327
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

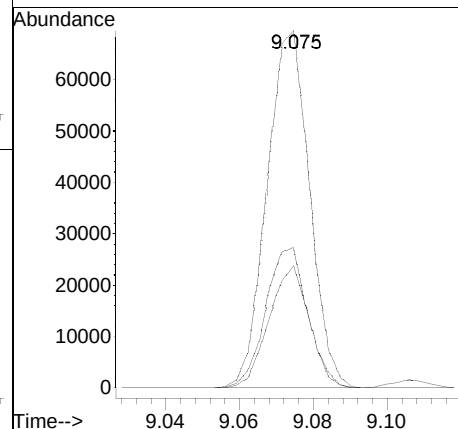
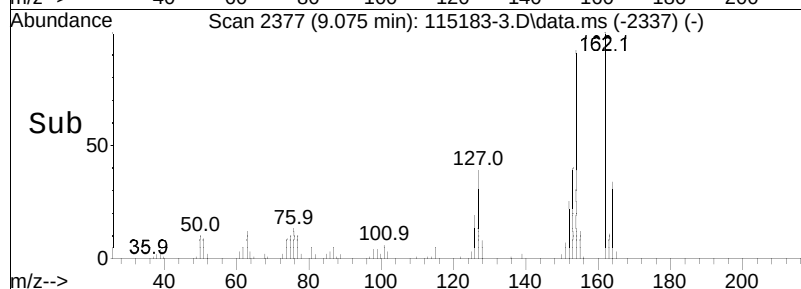
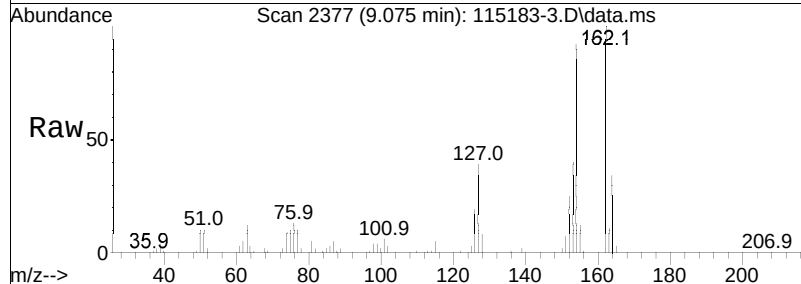
Tgt Ion:	196	Resp:	21372
Ion Ratio	Lower	Upper	
196	100		
200	29.4	25.4	38.0
198	96.0	78.0	117.0

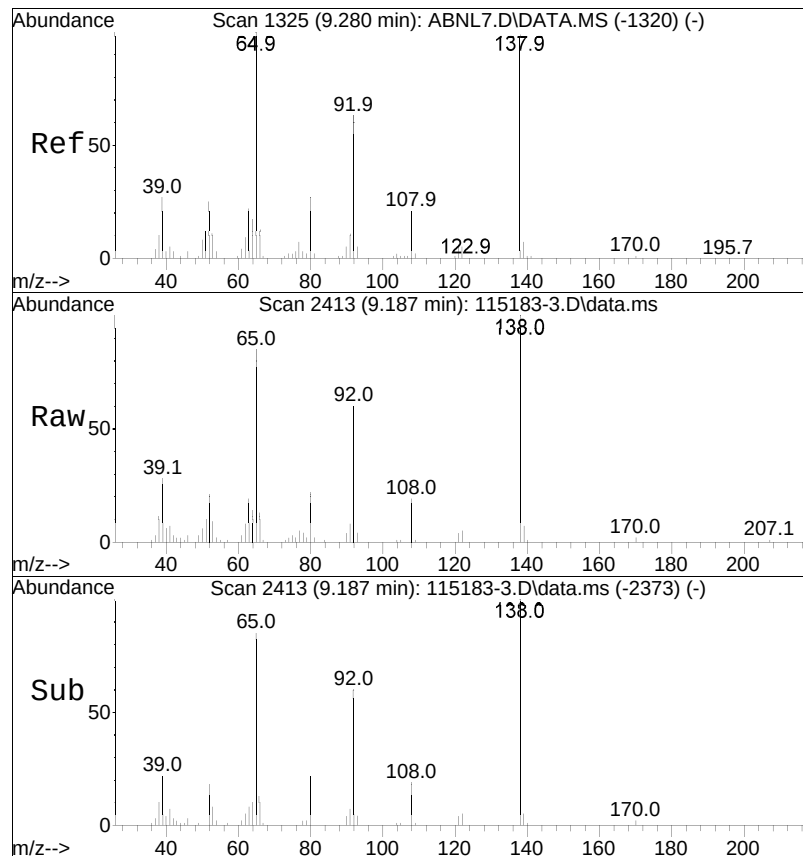




#47
 2-Chloronaphthalene
 Concen: 1.51 ug/ml
 RT: 9.075 min Scan# 2377
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

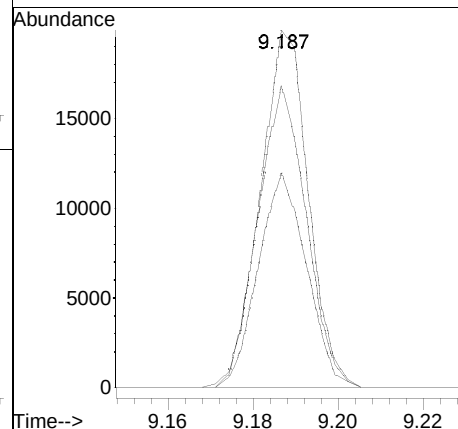
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	55300		
127	39.0		32.2	48.4
164	32.5		25.7	38.5

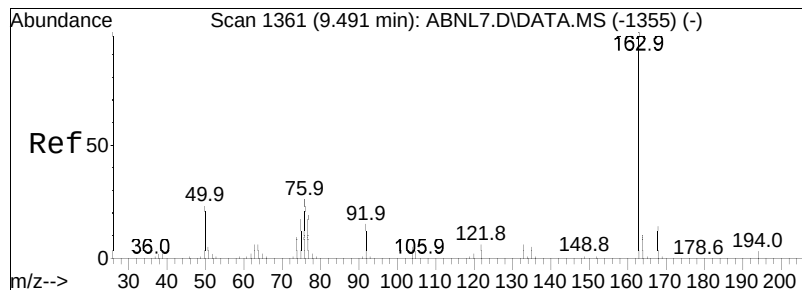




#48
 2-Nitroaniline
 Concen: 1.96 ug/ml
 RT: 9.187 min Scan# 2413
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

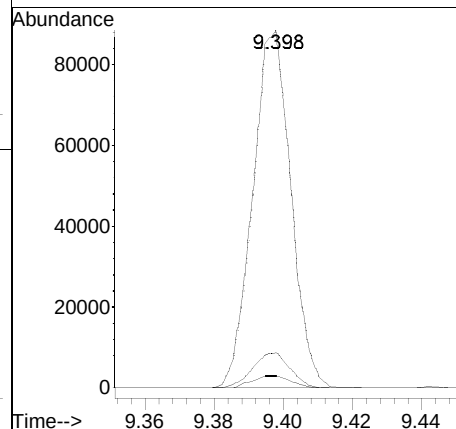
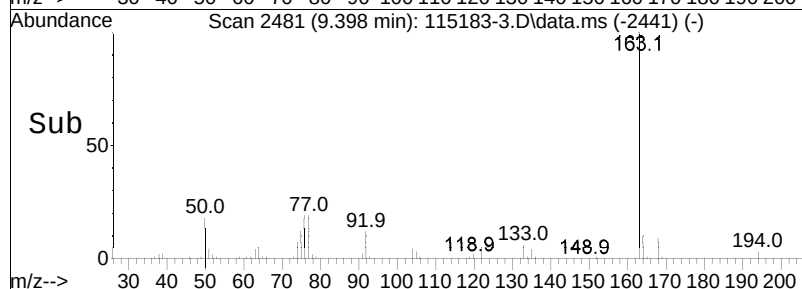
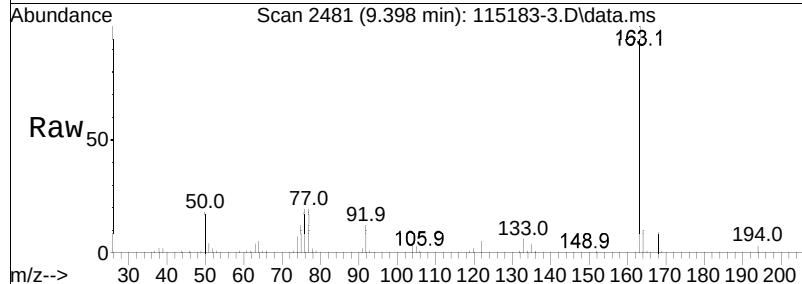
Tgt	Ion:138	Resp:	15507
Ion	Ratio	Lower	Upper
138	100		
92	60.5	53.5	80.3
65	85.5	86.3	129.5#

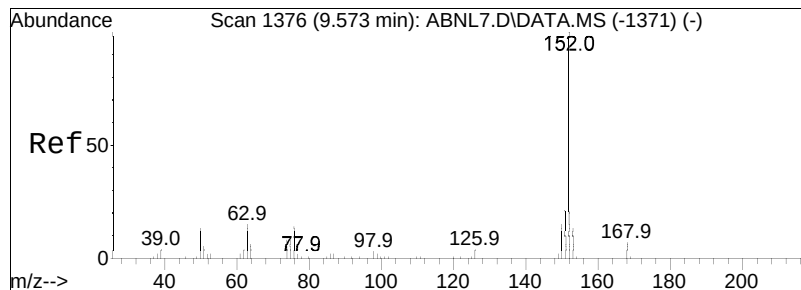




#51
 Dimethyl phthalate
 Concen: 1.75 ug/ml
 RT: 9.398 min Scan# 2481
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

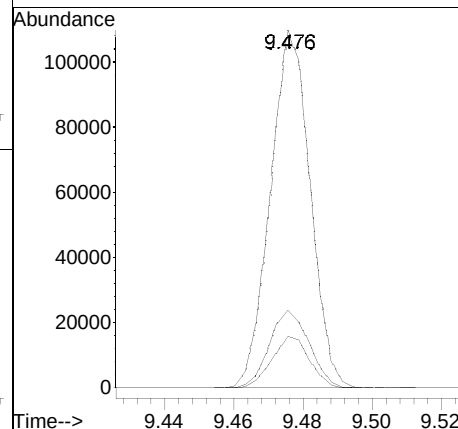
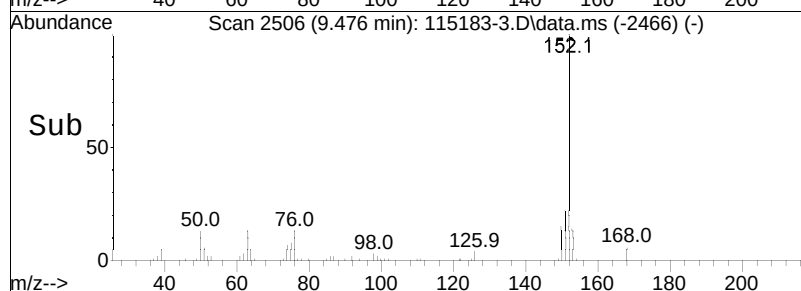
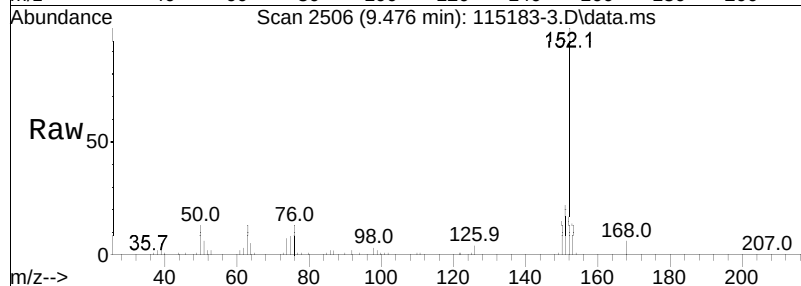
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.5	5.3#
164	9.8	7.9	11.9

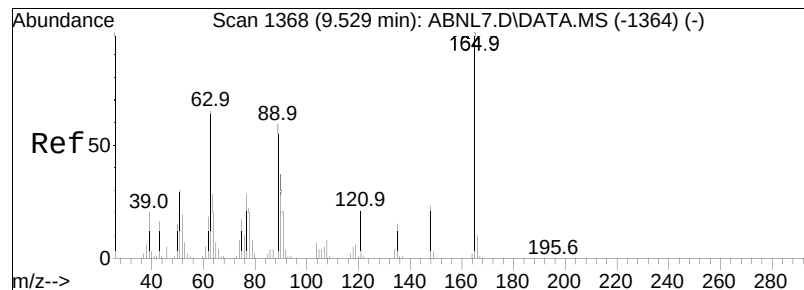




#52
 Acenaphthylene
 Concen: 1.59 ug/ml
 RT: 9.476 min Scan# 2506
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

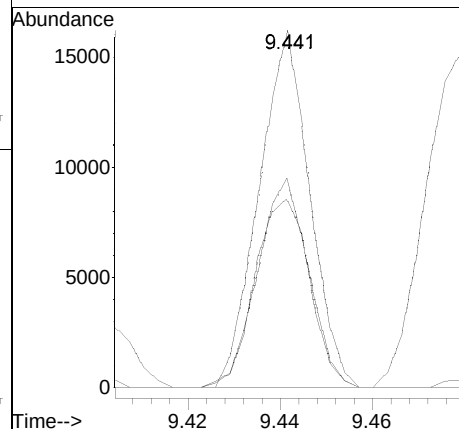
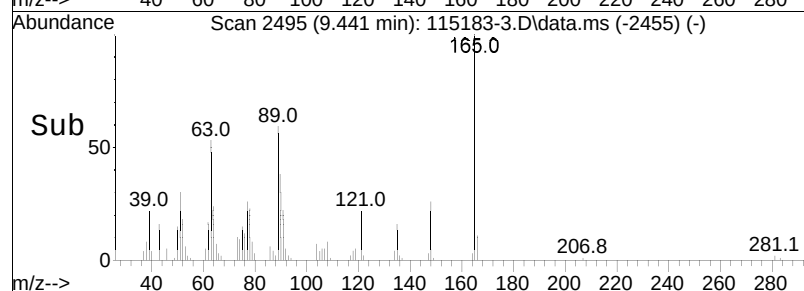
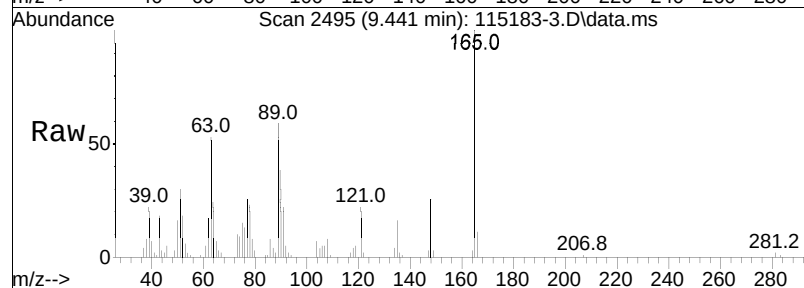
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.8	15.8	23.6
153	13.7	10.5	15.7

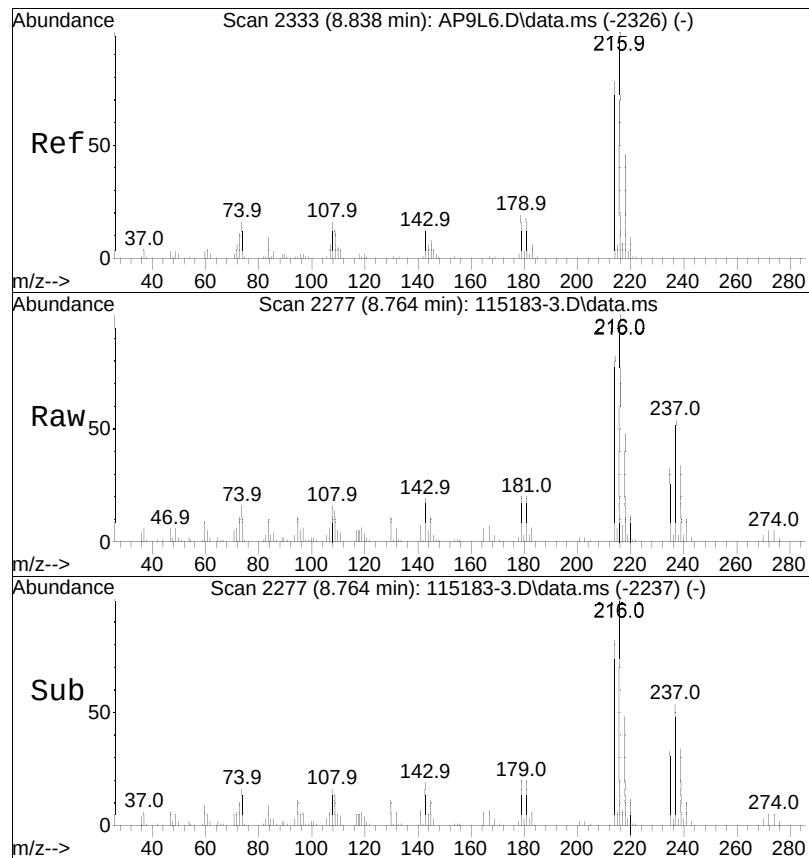




#53
 2,6-Dinitrotoluene
 Concen: 1.89 ug/ml
 RT: 9.441 min Scan# 2495
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

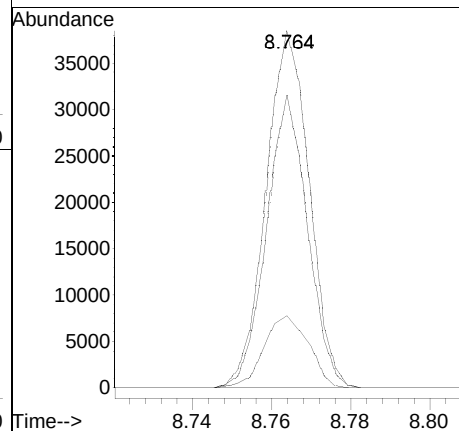
Tgt Ion	Ratio	Lower	Upper
165	100		
89	58.8	54.2	81.2
63	56.7	64.2	96.2#

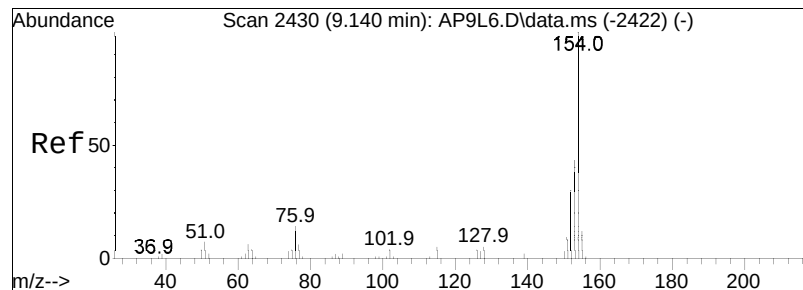




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.41 ug/ml
 RT: 8.764 min Scan# 2277
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

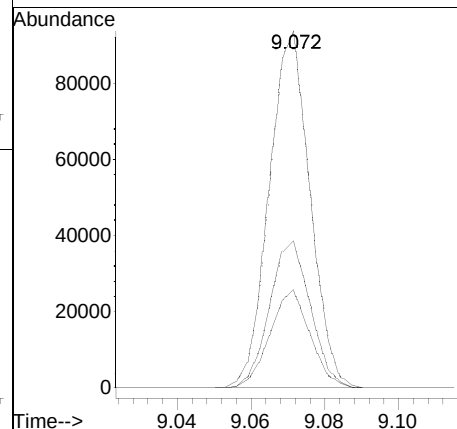
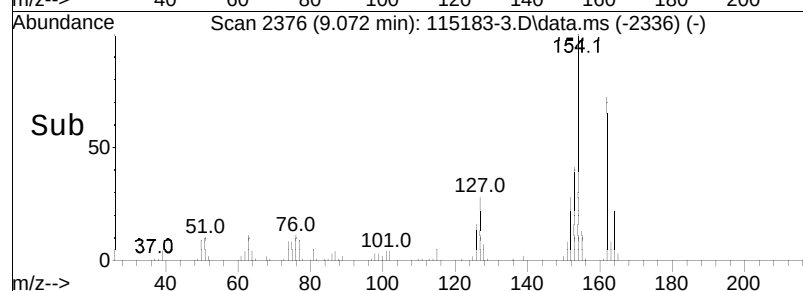
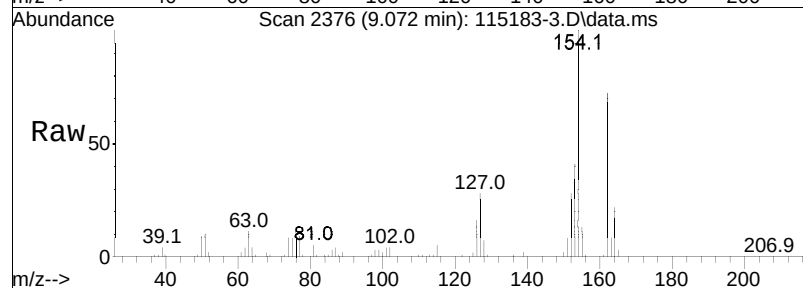
Tgt Ion:	216	Resp:	29151
Ion Ratio	Lower	Upper	
216	100		
214	78.0	63.7	95.5
179	21.0	19.0	28.6

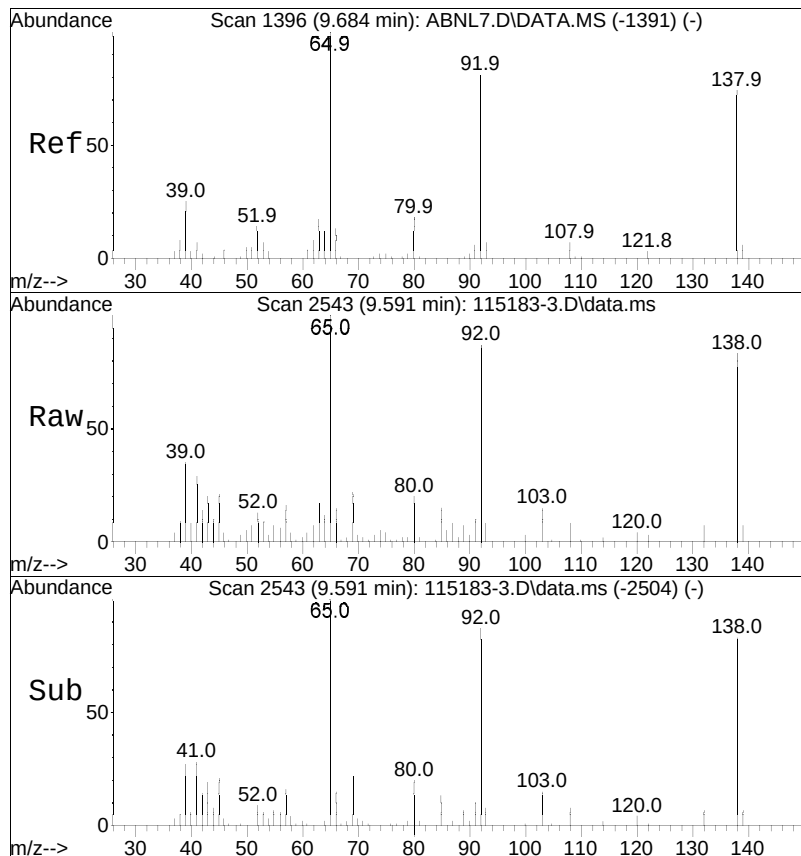




#62
 Biphenyl
 Concen: 1.51 ug/ml
 RT: 9.072 min Scan# 2376
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

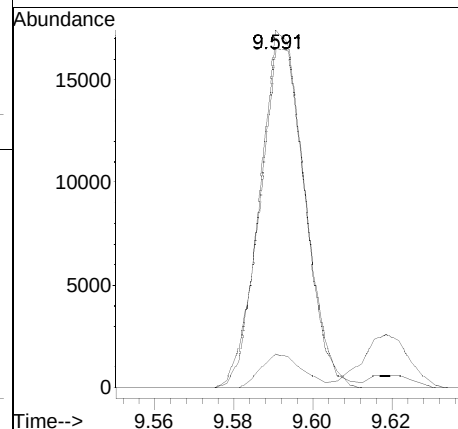
Tgt Ion:	154	Resp:	71478
Ion Ratio	Lower	Upper	
154	100		
153	41.4	32.3	48.5
152	27.2	22.5	33.7

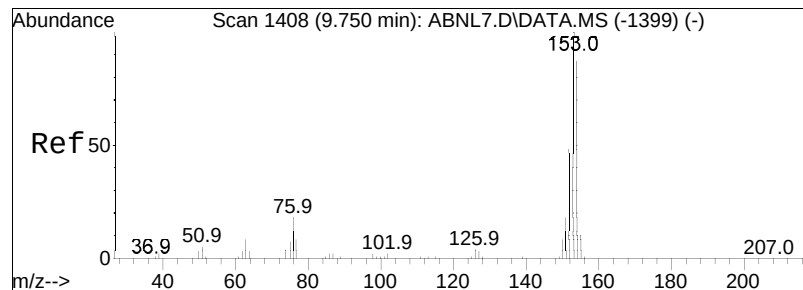




#64
 3-Nitroaniline
 Concen: 1.87 ug/ml
 RT: 9.591 min Scan# 2543
 Delta R.T. -0.003 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

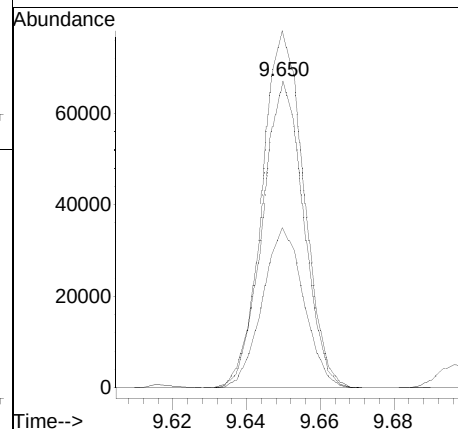
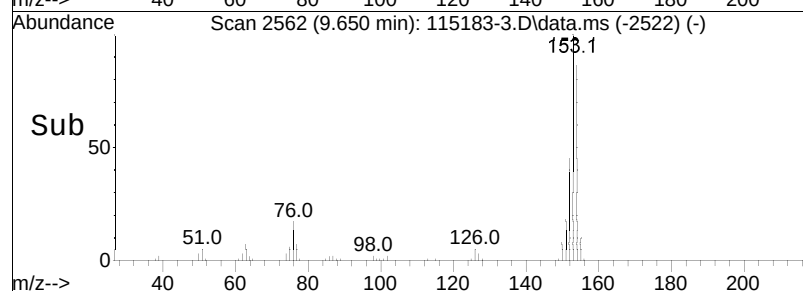
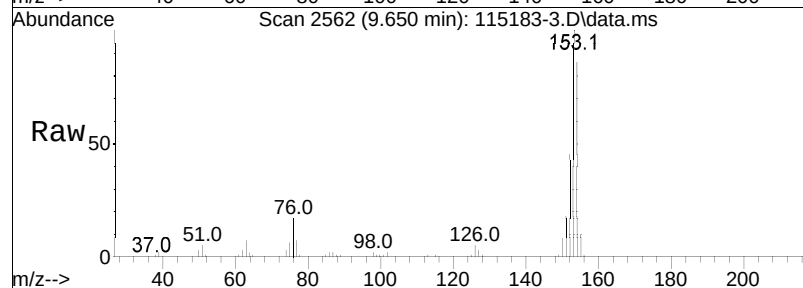
Tgt Ion:	138	Resp:	13033
Ion Ratio	Lower	Upper	
138	100		
92	105.4	93.4	140.2
108	9.2	9.5	14.3#

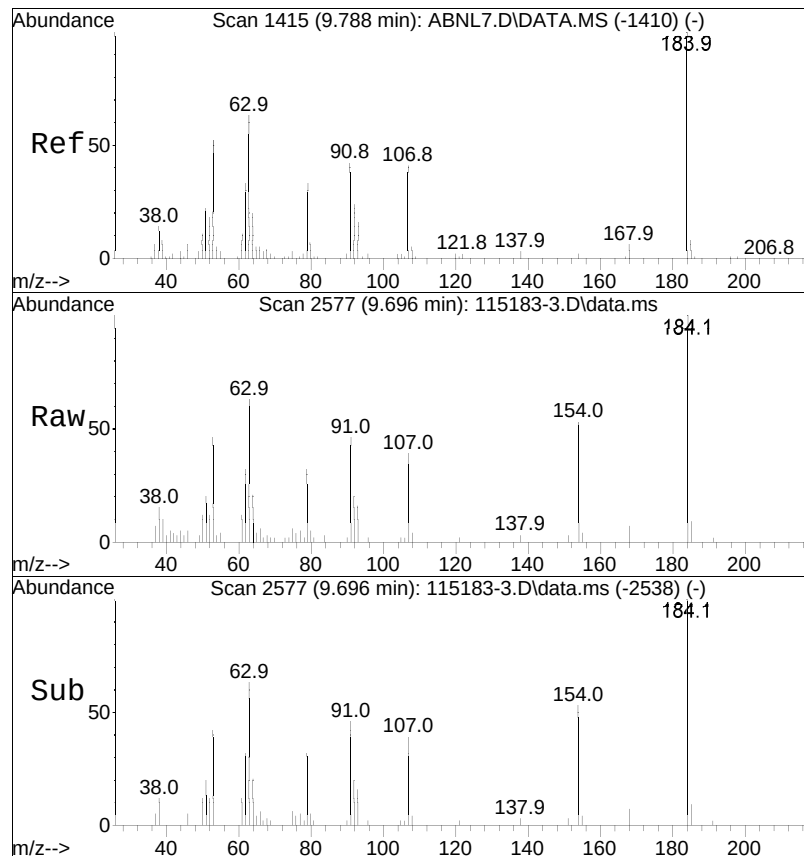




#65
 Acenaphthene
 Concen: 1.61 ug/ml
 RT: 9.650 min Scan# 2562
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

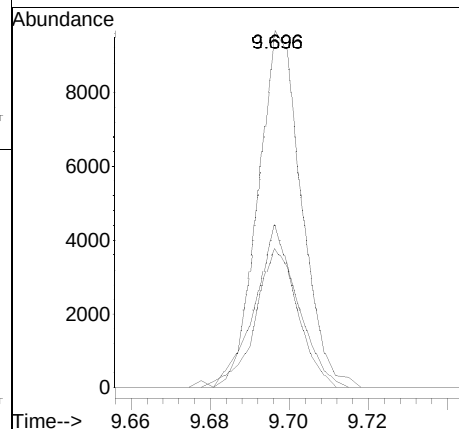
Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.9	85.3	127.9
152	52.8	41.4	62.0

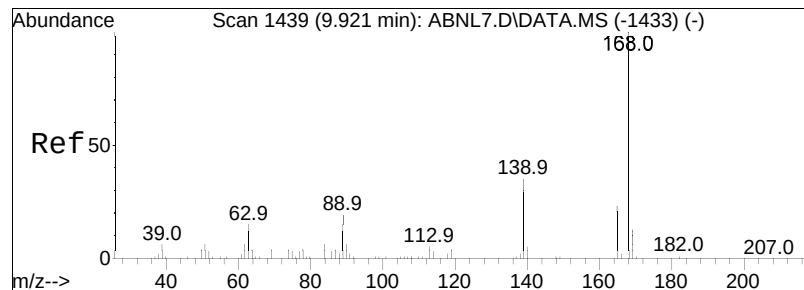




#66
 2,4-Dinitrophenol
 Concen: 2.33 ug/ml
 RT: 9.696 min Scan# 2577
 Delta R.T. -0.003 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

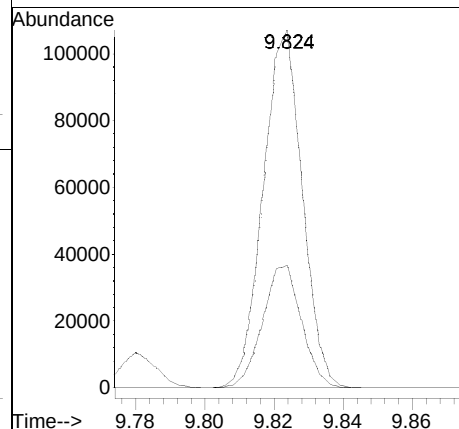
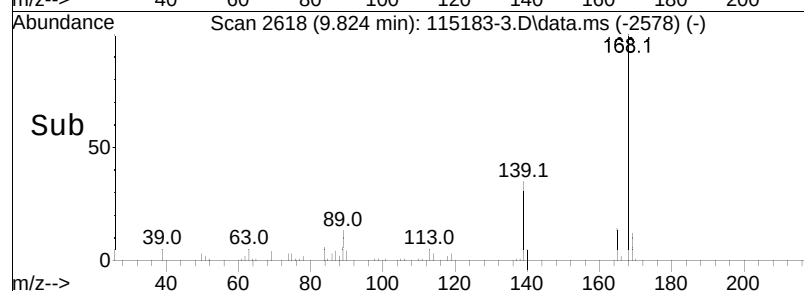
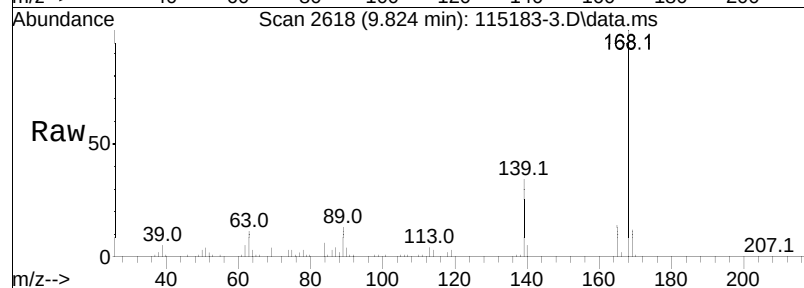
Tgt Ion:	184	Resp:	7344
Ion Ratio	Lower	Upper	
184	100		
107	38.7	37.7	56.5
91	45.9	46.3	69.5#

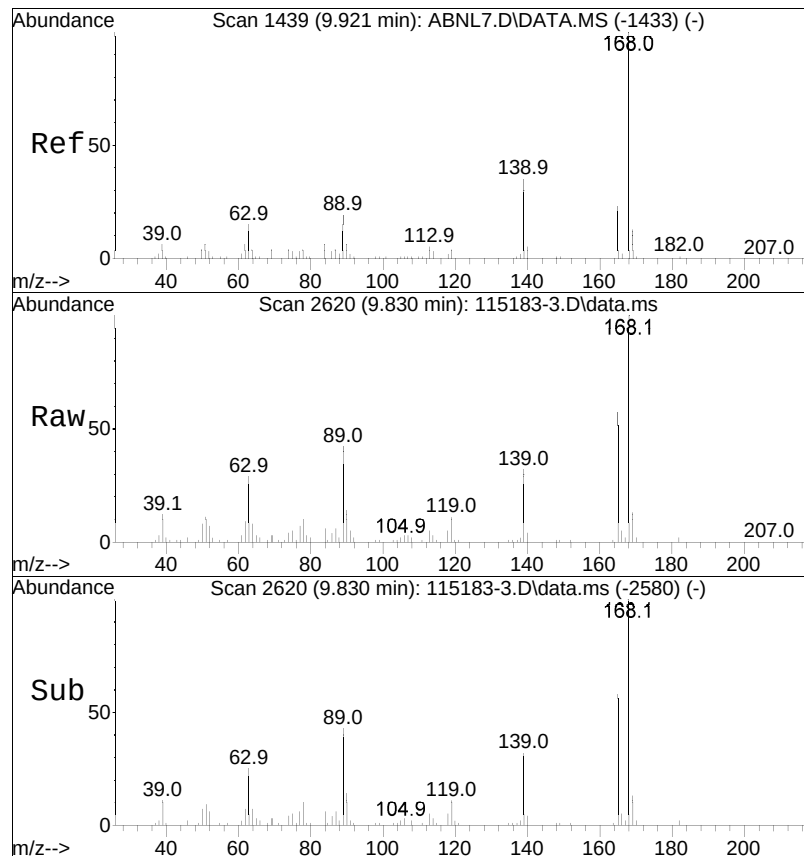




#67
 Dibenzofuran
 Concen: 1.61 ug/ml
 RT: 9.824 min Scan# 2618
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

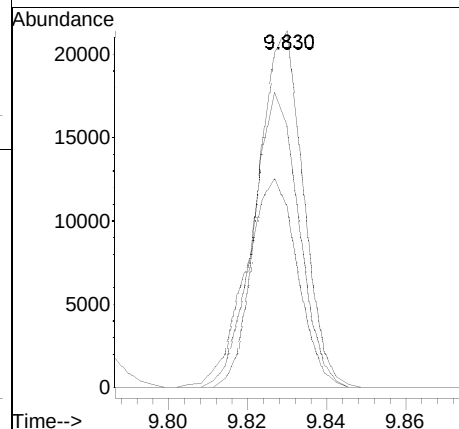
Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.3	31.4	47.2

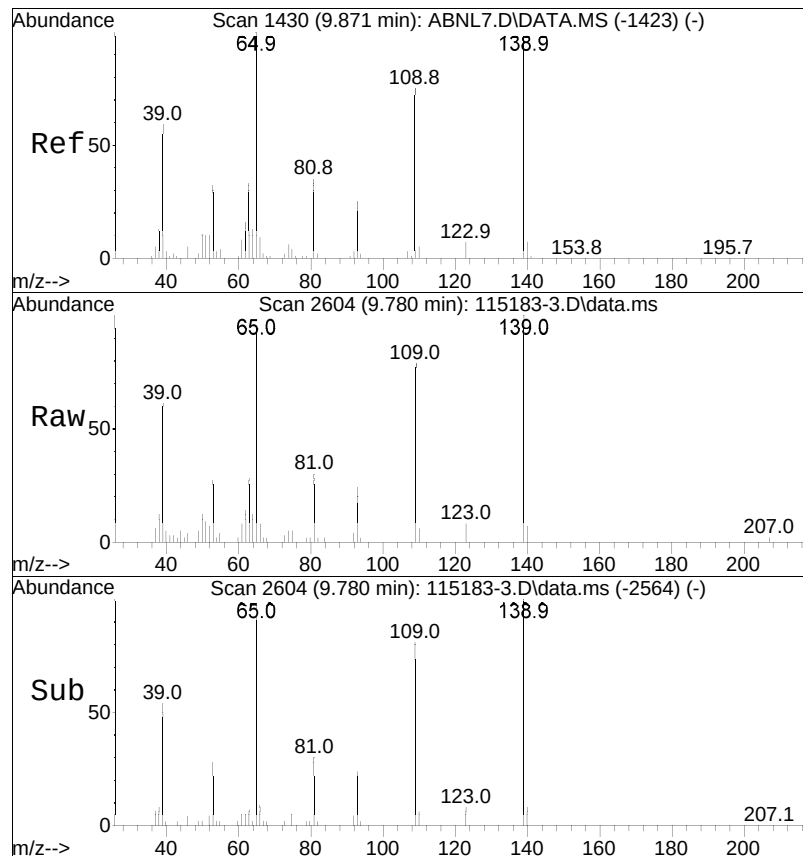




#68
 2,4-Dinitrotoluene
 Concen: 1.86 ug/ml
 RT: 9.830 min Scan# 2620
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

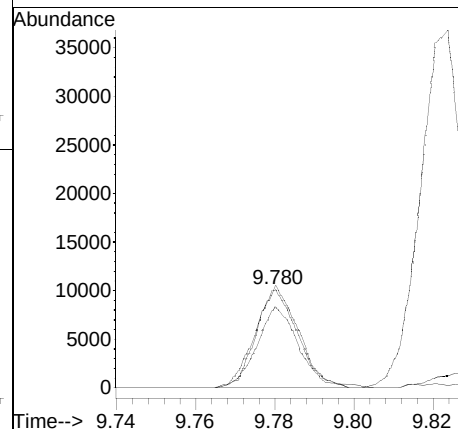
Tgt Ion:	165	Resp:	16676
Ion Ratio	Lower	Upper	
165	100		
89	85.5	72.0	108.0
63	69.1	52.7	79.1

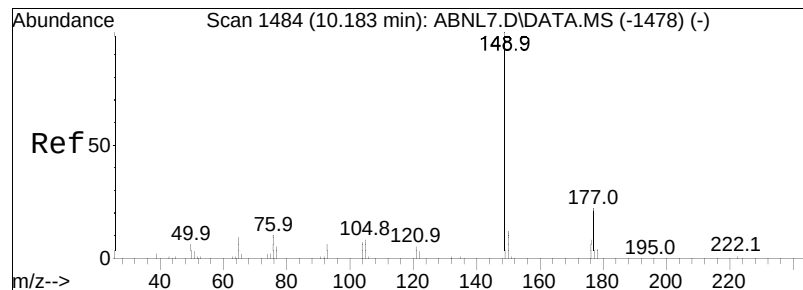




#69
 4-Nitrophenol
 Concen: 1.47 ug/ml
 RT: 9.780 min Scan# 2604
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

Tgt Ion:	65	Resp:	7691
Ion Ratio	Lower	Upper	
65	100		
109	78.4	47.4	71.2#
139	99.9	76.6	115.0





#72

Diethyl phthalate

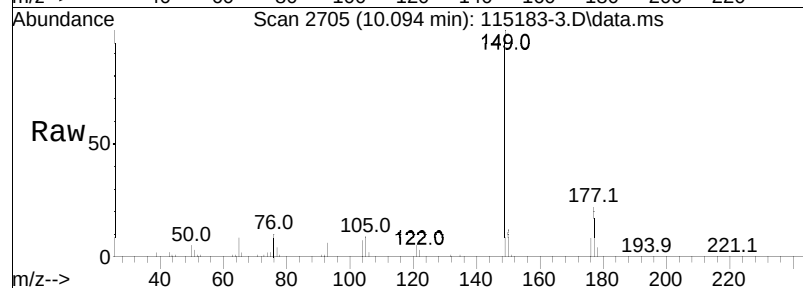
Concen: 1.74 ug/ml

RT: 10.094 min Scan# 2705

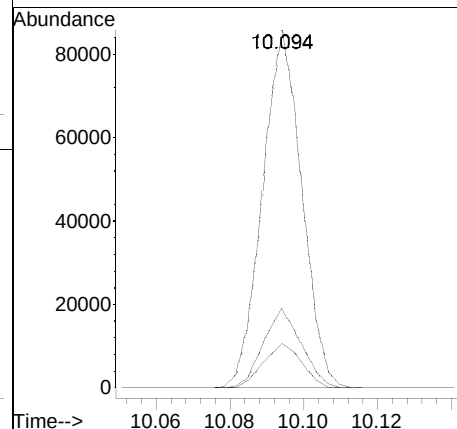
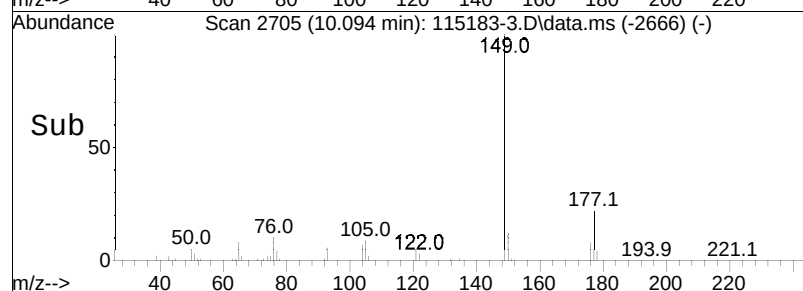
Delta R.T. -0.003 min

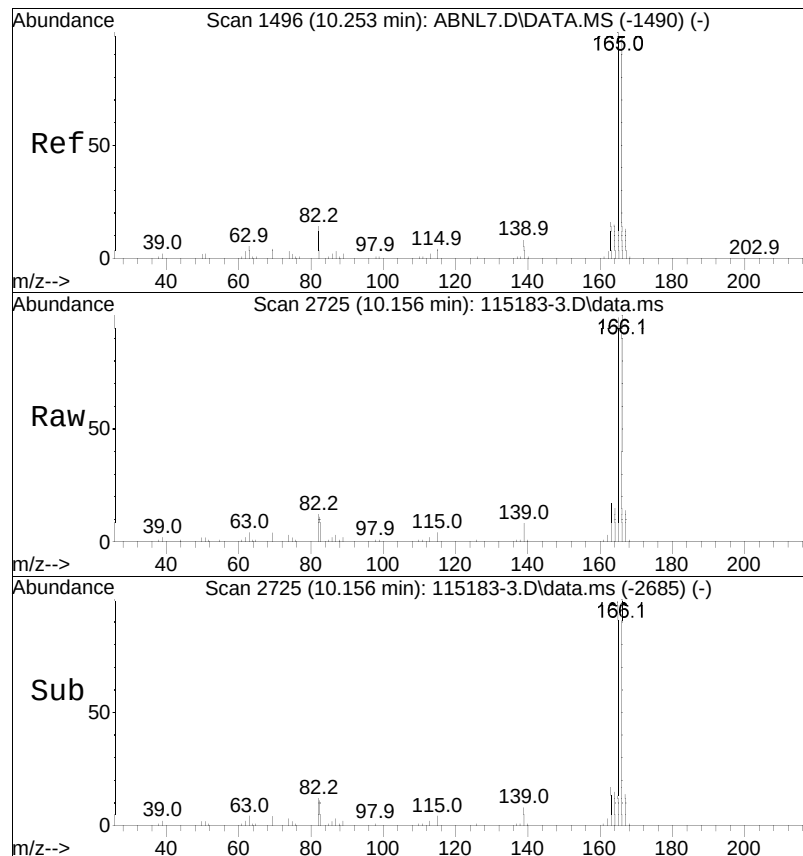
Lab File: 115183-3.D

Acq: 16 Sep 2025 10:48 am



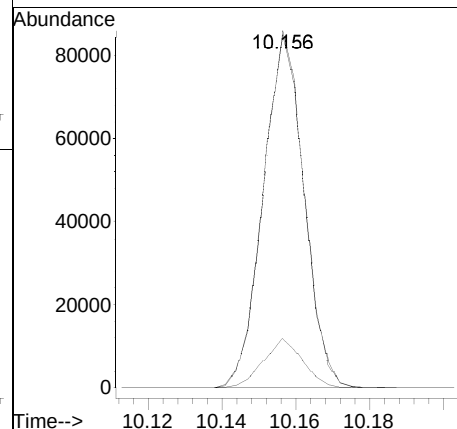
Tgt Ion:	149	Resp:	62930
Ion Ratio	Lower	Upper	
149	100		
177	21.6	16.1	24.1
150	12.2	9.4	14.2

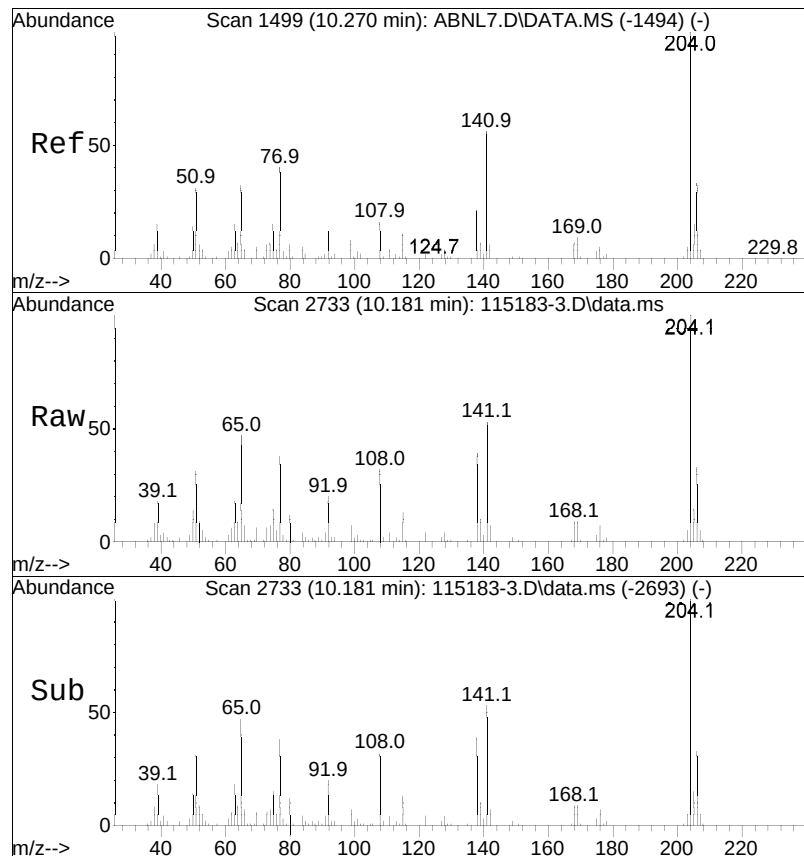




#73
 Fluorene
 Concen: 1.65 ug/ml
 RT: 10.156 min Scan# 2725
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

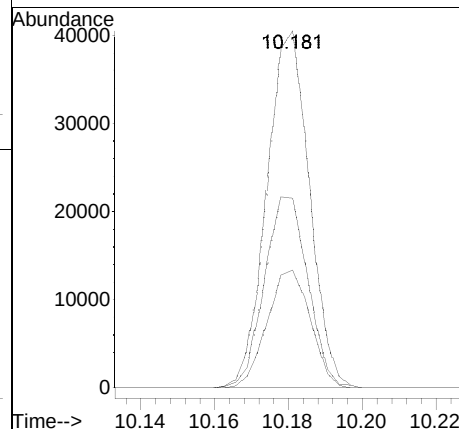
Tgt	Ion:166	Resp:	65587
Ion	Ratio	Lower	Upper
166	100		
165	99.7	76.2	114.2
167	13.7	10.6	15.8

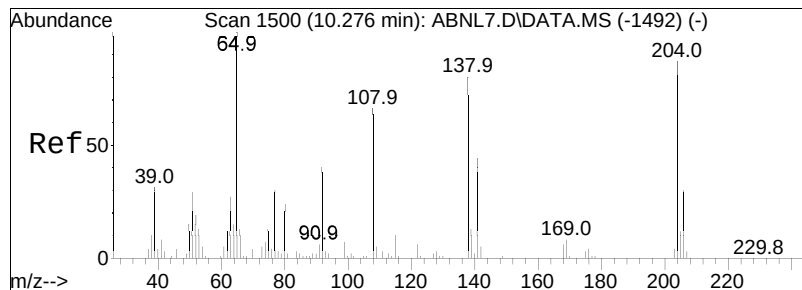




#74
 4-Chlorophenyl phenyl ether
 Concen: 1.59 ug/ml
 RT: 10.181 min Scan# 2733
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

Tgt Ion:	204	Resp:	32234
Ion Ratio	Lower	Upper	
204	100		
206	33.6	25.8	38.6
141	54.8	53.6	80.4





#75

4-Nitroaniline

Concen: 1.78 ug/ml

RT: 10.181 min Scan# 2733

Delta R.T. -0.003 min

Lab File: 115183-3.D

Acq: 16 Sep 2025 10:48 am

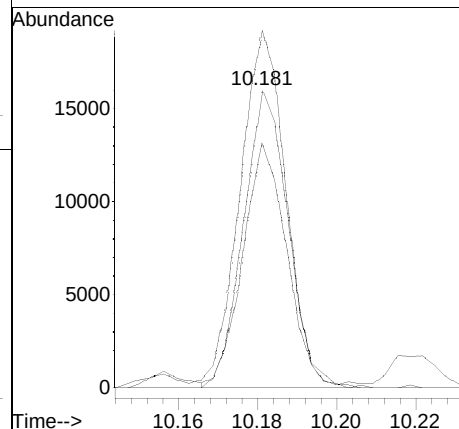
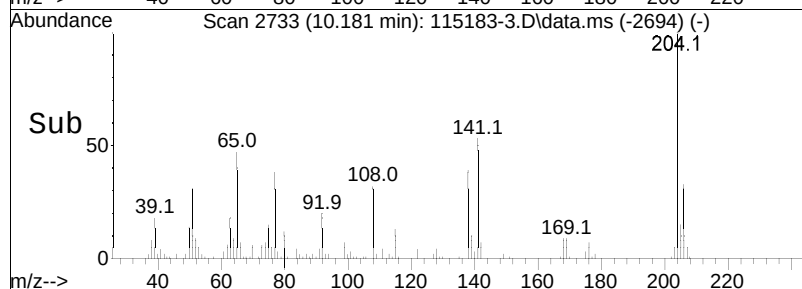
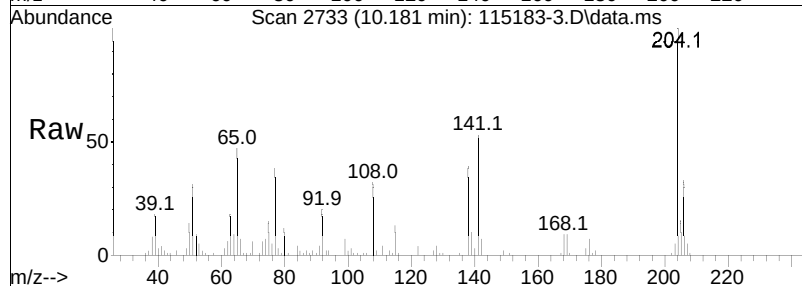
Tgt Ion:138 Resp: 12364

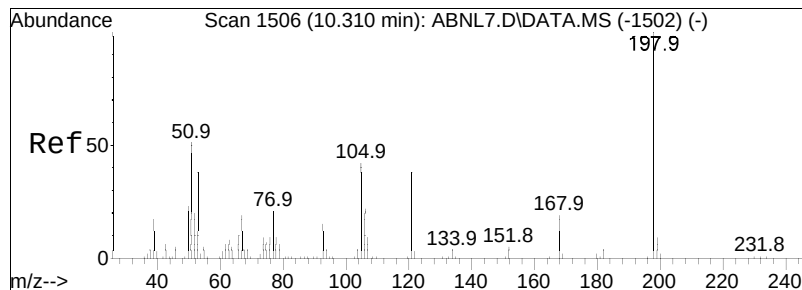
Ion Ratio Lower Upper

138 100

108 82.0 52.1 78.1#

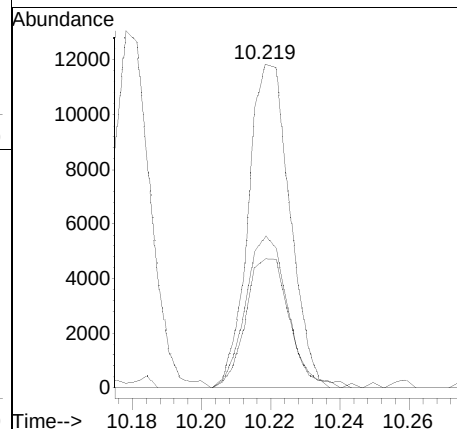
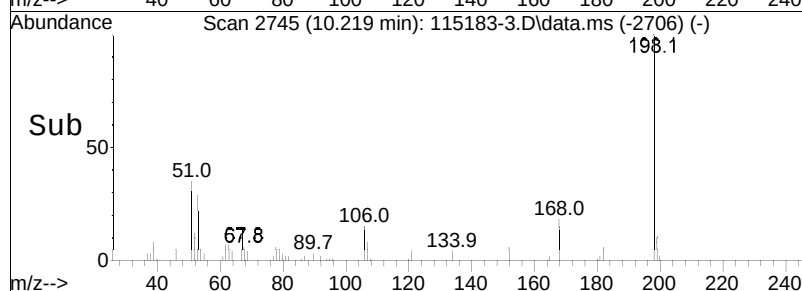
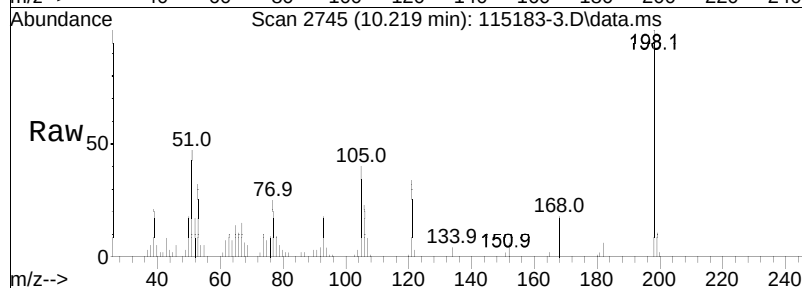
65 126.1 115.0 172.6

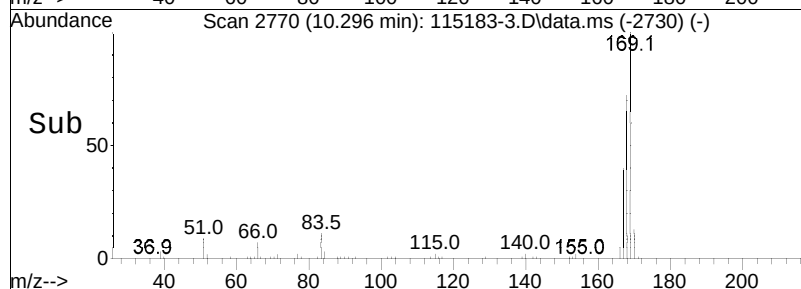
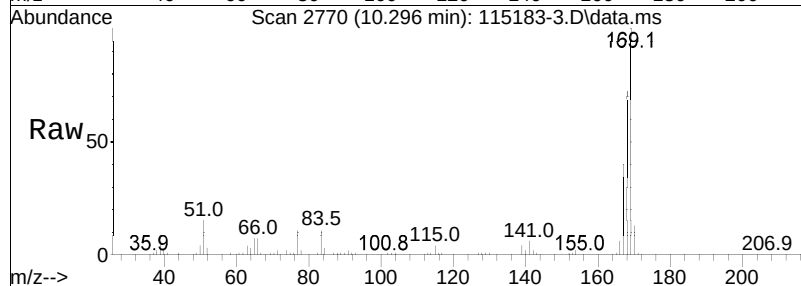
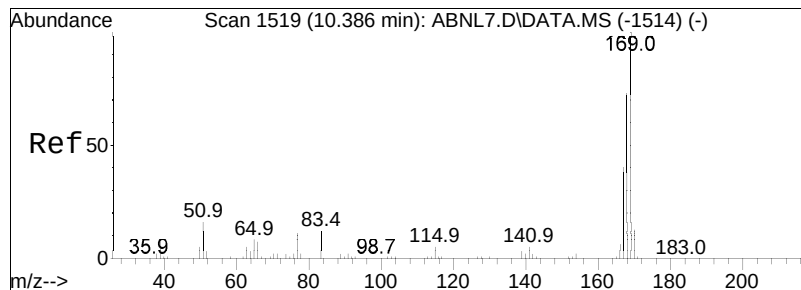




#76
 4,6-Dinitro-o-cresol
 Concen: 2.32 ug/ml
 RT: 10.219 min Scan# 2745
 Delta R.T. -0.003 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

Tgt Ion	Ratio	Lower	Upper
198	100		
51	47.5	76.0	114.0#
105	41.3	45.6	68.4#





#77

NDPA/DPA

Concen: 1.67 ug/ml

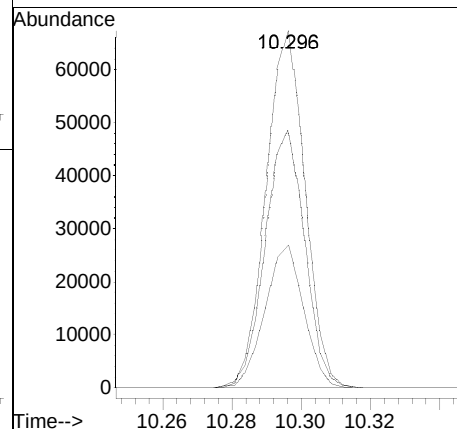
RT: 10.296 min Scan# 2770

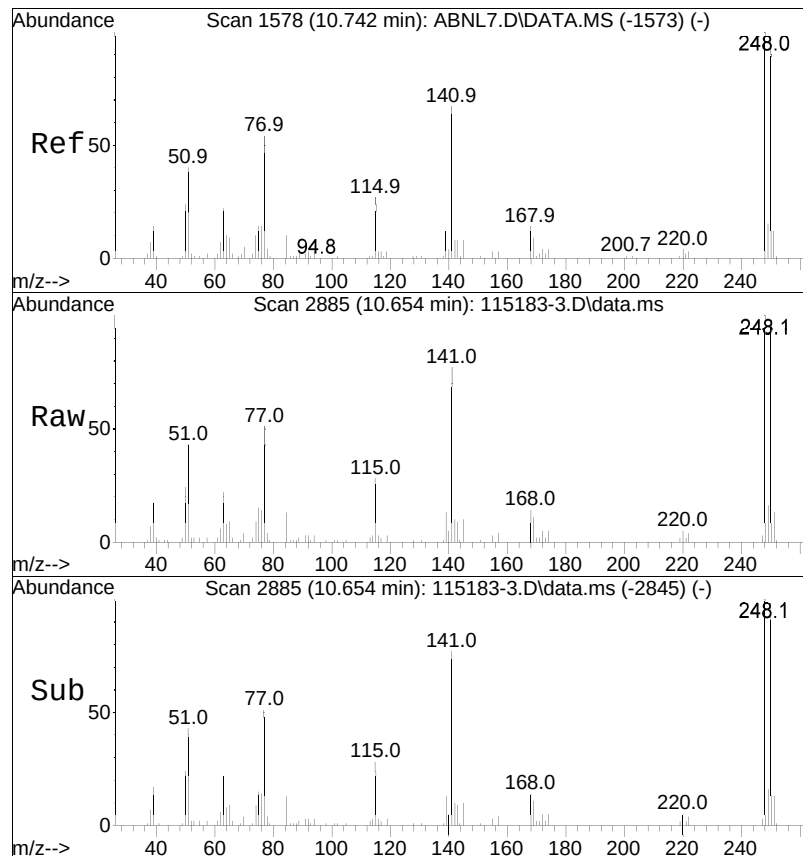
Delta R.T. -0.000 min

Lab File: 115183-3.D

Acq: 16 Sep 2025 10:48 am

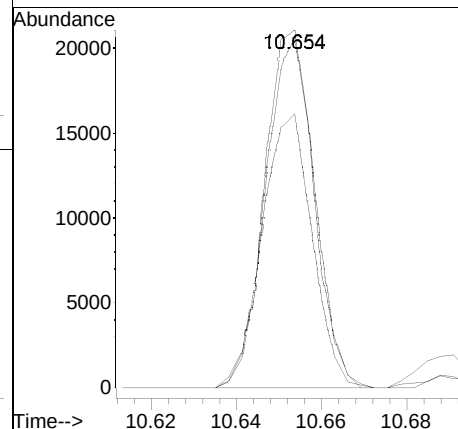
Tgt Ion:	169	Resp:	52558
Ion Ratio	Lower	Upper	
169	100		
168	73.5	54.0	81.0
167	40.0	28.6	42.8

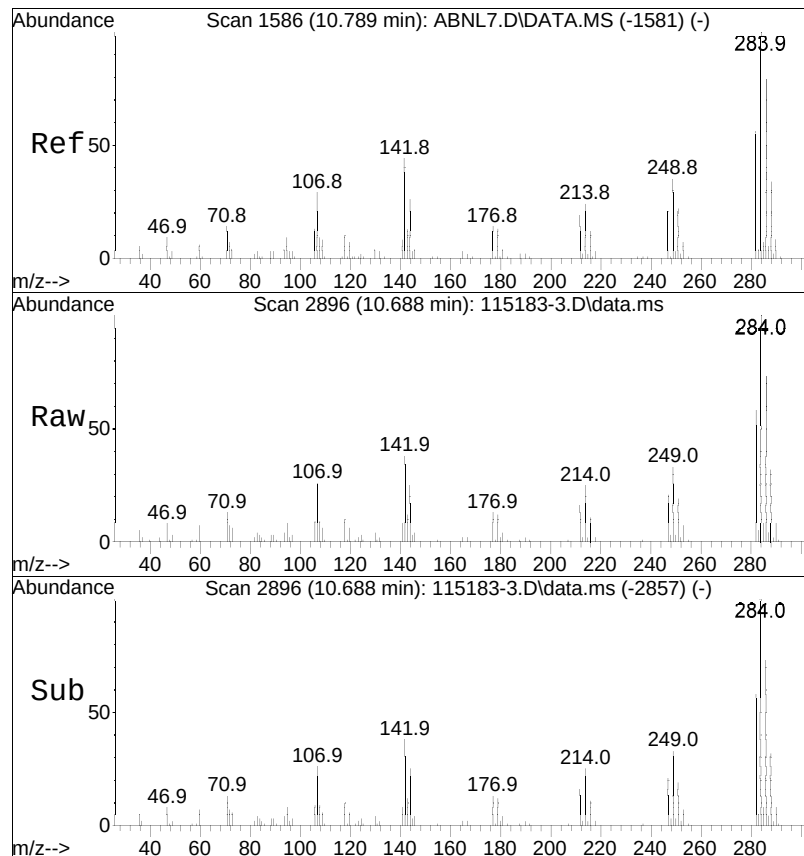




#80
 4-Bromophenyl phenyl ether
 Concen: 1.58 ug/ml
 RT: 10.654 min Scan# 2885
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

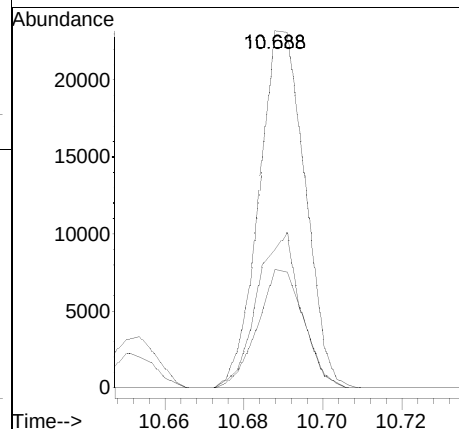
Tgt Ion:	248	Resp:	17070
Ion Ratio	Lower	Upper	
248	100		
141	76.5	76.6	114.8#
250	94.9	77.3	115.9

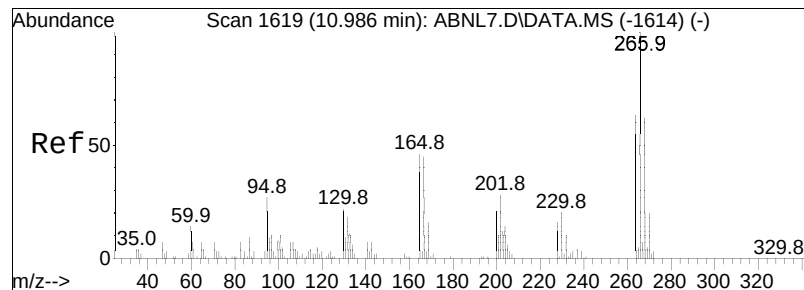




#81
 Hexachlorobenzene
 Concen: 1.66 ug/ml
 RT: 10.688 min Scan# 2896
 Delta R.T. -0.003 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

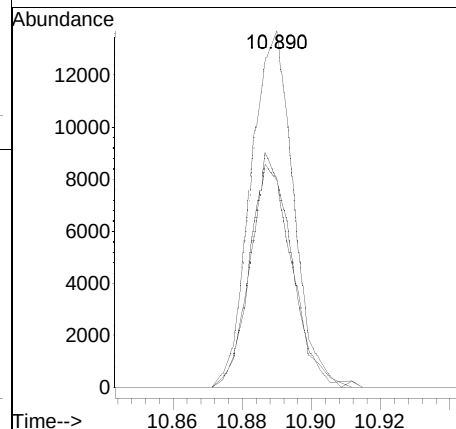
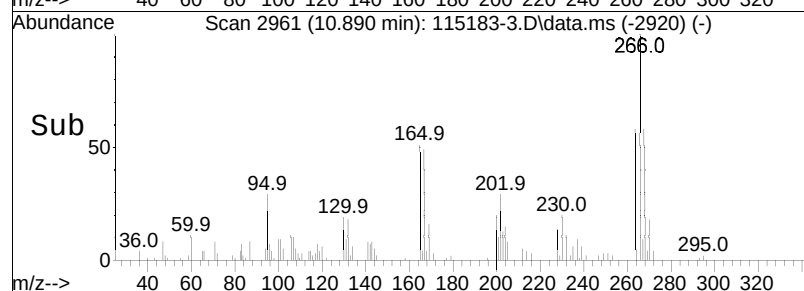
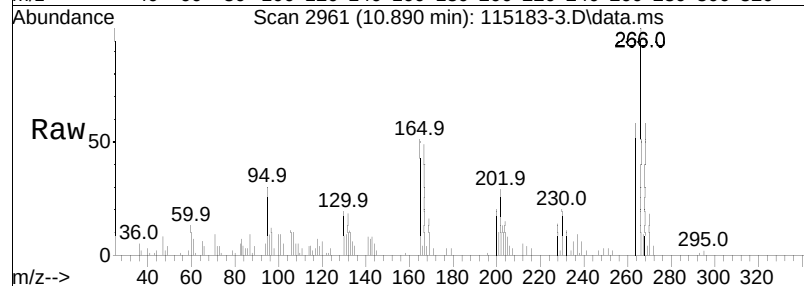
Tgt Ion:	284	Resp:	18743
Ion Ratio	Lower	Upper	
284	100		
142	41.4	41.9	62.9#
249	33.3	24.1	36.1

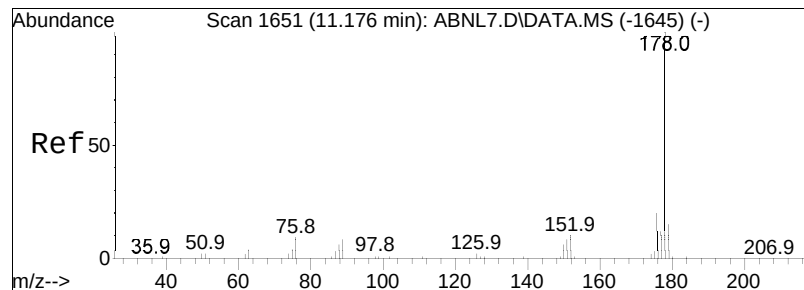




#82
 Pentachlorophenol
 Concen: 1.92 ug/ml
 RT: 10.890 min Scan# 2961
 Delta R.T. 0.003 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.7	49.7	74.5
268	63.3	50.5	75.7





#89

Phenanthrene

Concen: 1.52 ug/ml

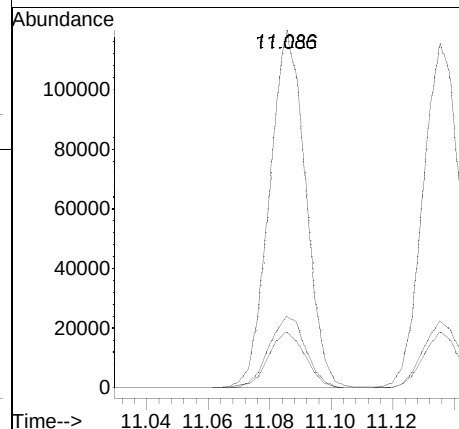
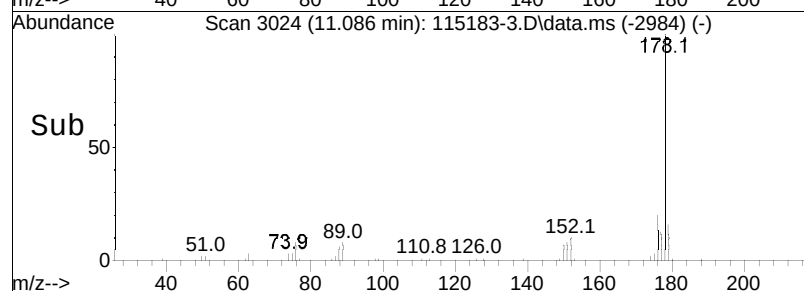
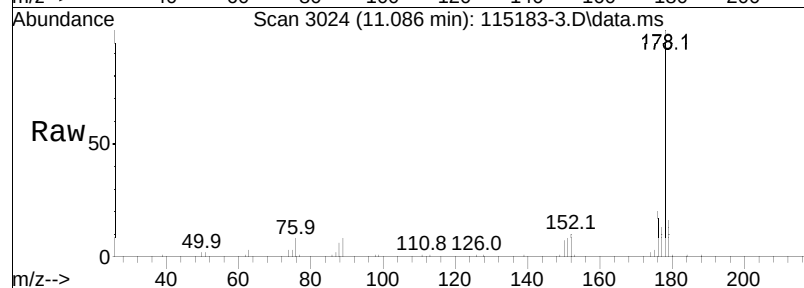
RT: 11.086 min Scan# 3024

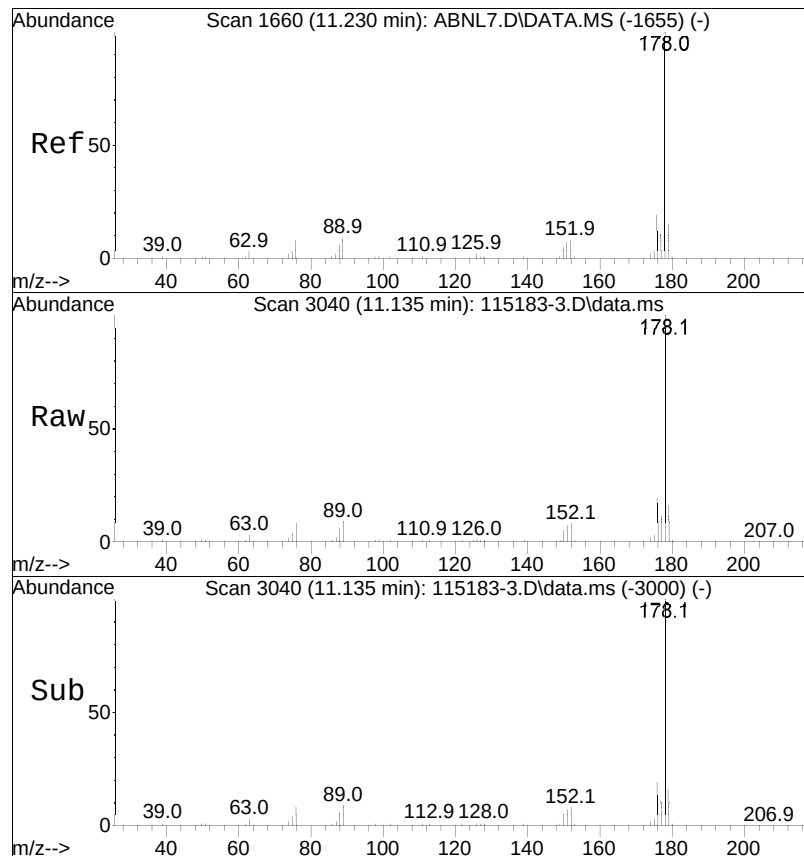
Delta R.T. -0.000 min

Lab File: 115183-3.D

Acq: 16 Sep 2025 10:48 am

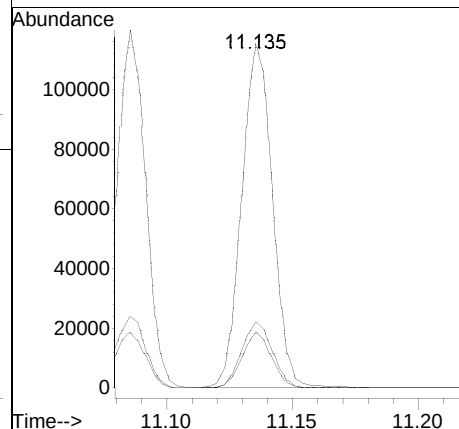
Tgt Ion:	178	Resp:	97665
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.2	18.2
176	20.2	15.4	23.2

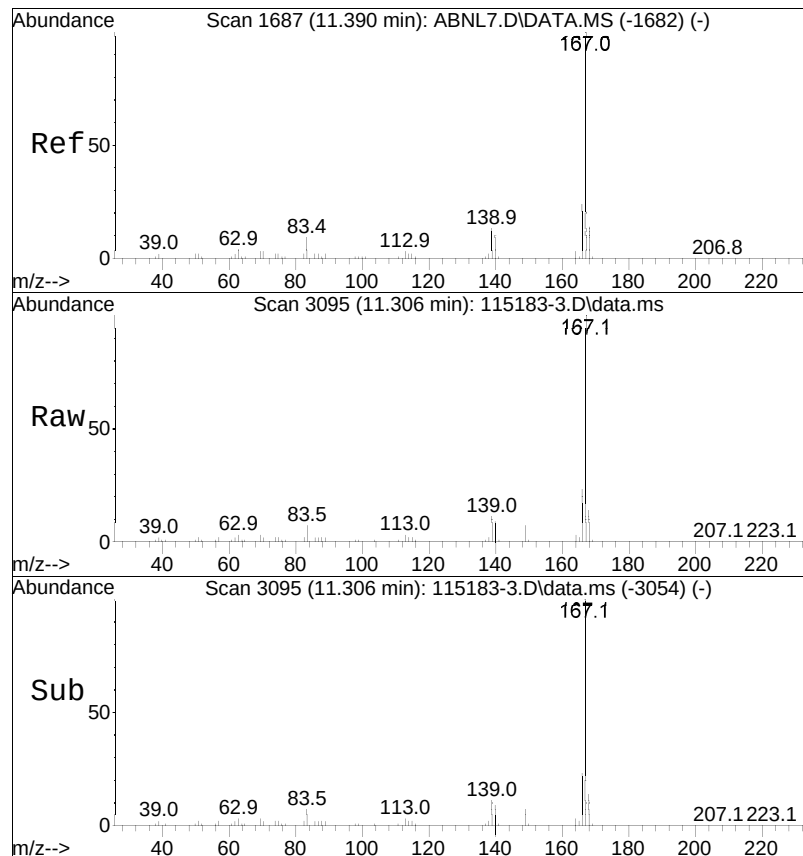




#90
 Anthracene
 Concen: 1.55 ug/ml
 RT: 11.135 min Scan# 3040
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

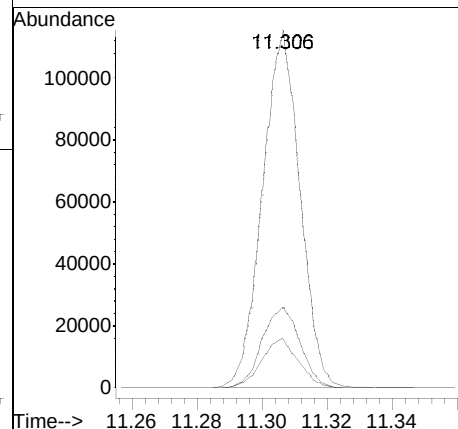
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.0	18.0
176	19.1	14.6	22.0

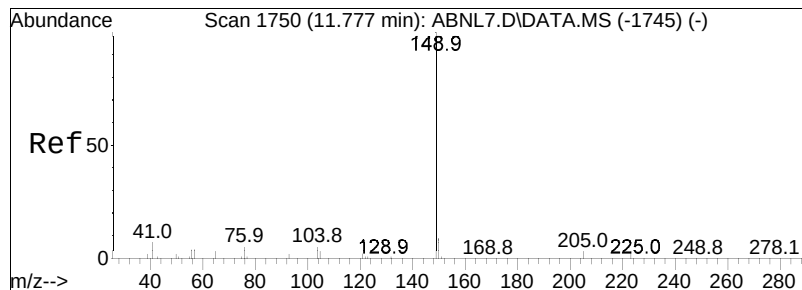




#91
 Carbazole
 Concen: 1.67 ug/ml
 RT: 11.306 min Scan# 3095
 Delta R.T. 0.003 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

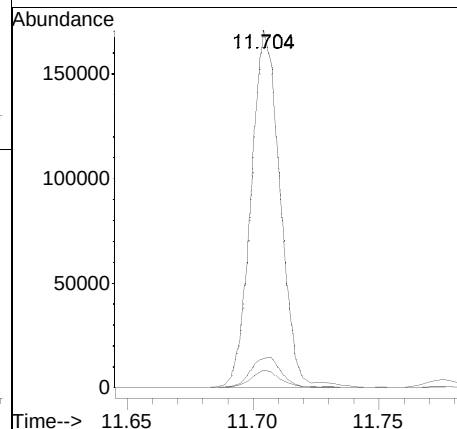
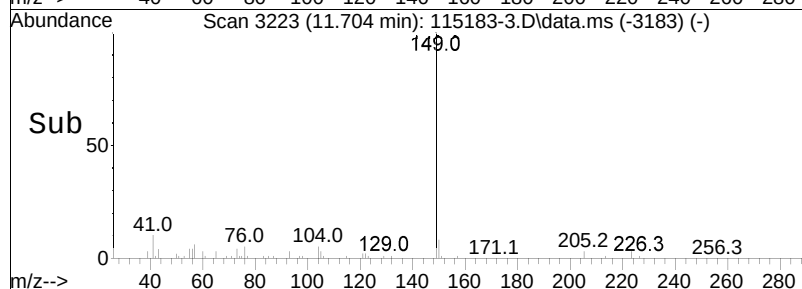
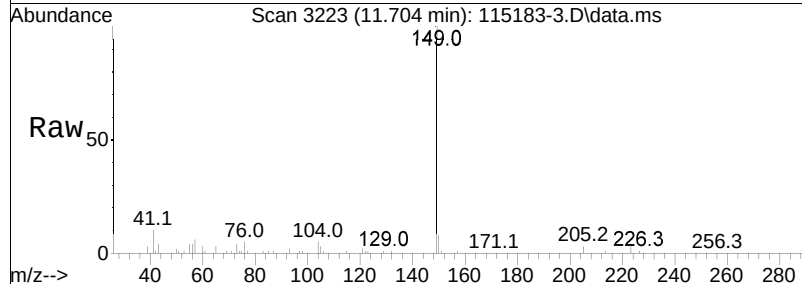
Tgt Ion:	167	Resp:	91258
Ion Ratio	Lower	Upper	
167	100		
168	13.7	10.6	15.8
166	22.9	17.4	26.0

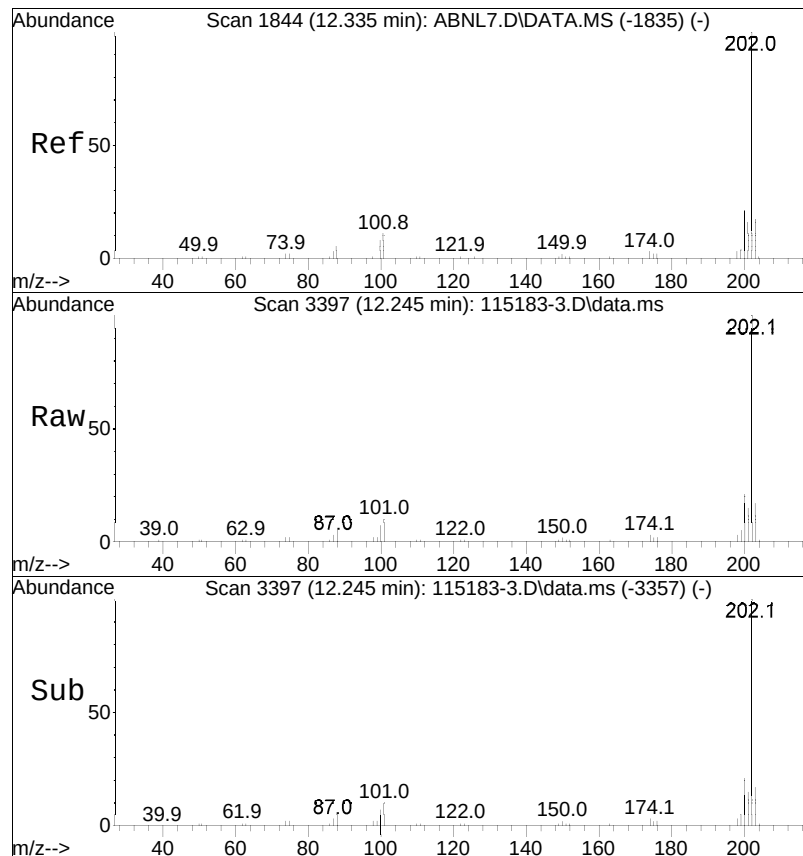




#92
 Di-n-butylphthalate
 Concen: 2.26 ug/ml
 RT: 11.704 min Scan# 3223
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

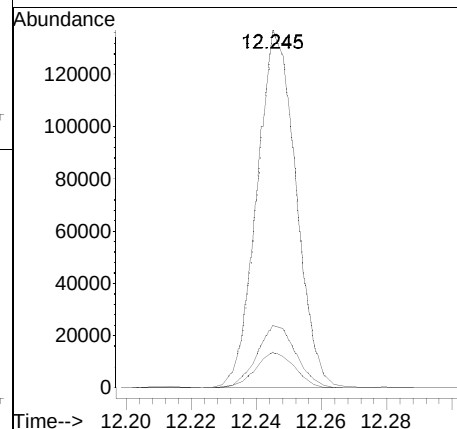
Tgt	Ion:149	Resp:	134873
Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.6
104	4.7	4.5	6.7

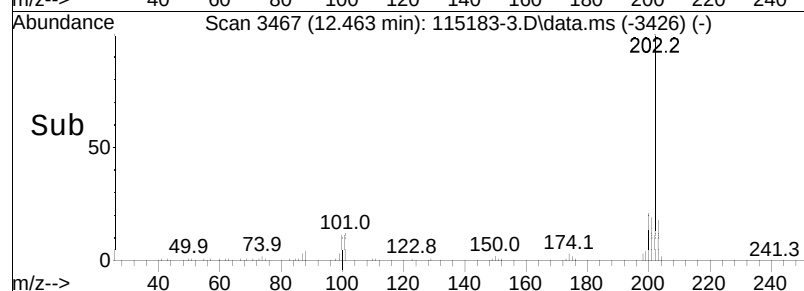
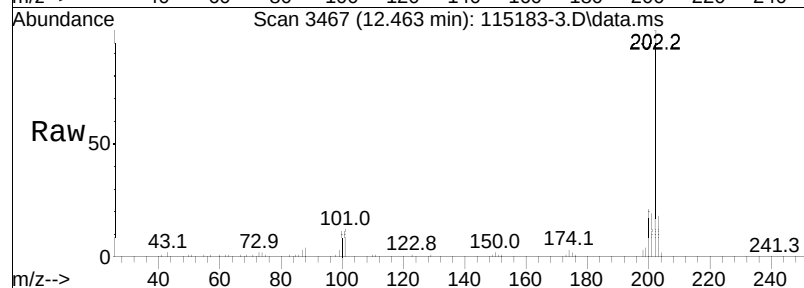
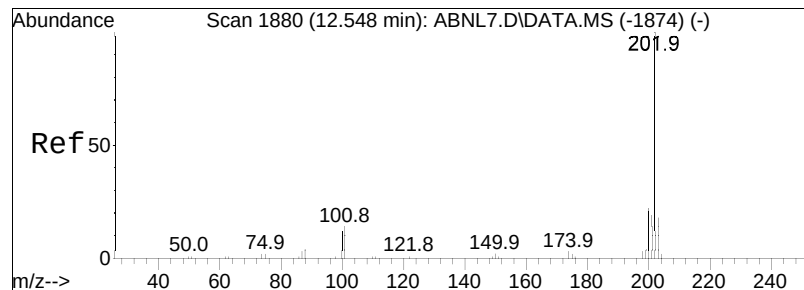




#93
 Fluoranthene
 Concen: 1.66 ug/ml
 RT: 12.245 min Scan# 3397
 Delta R.T. -0.000 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

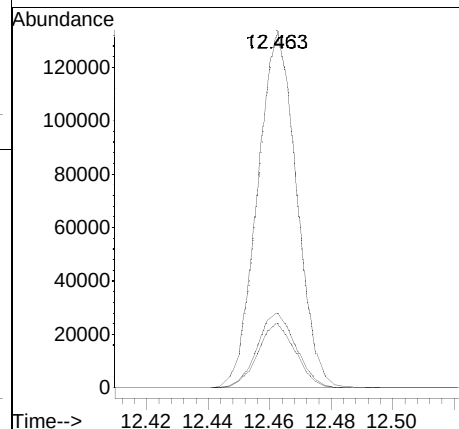
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	13.5	20.3#
203	17.5	13.6	20.4

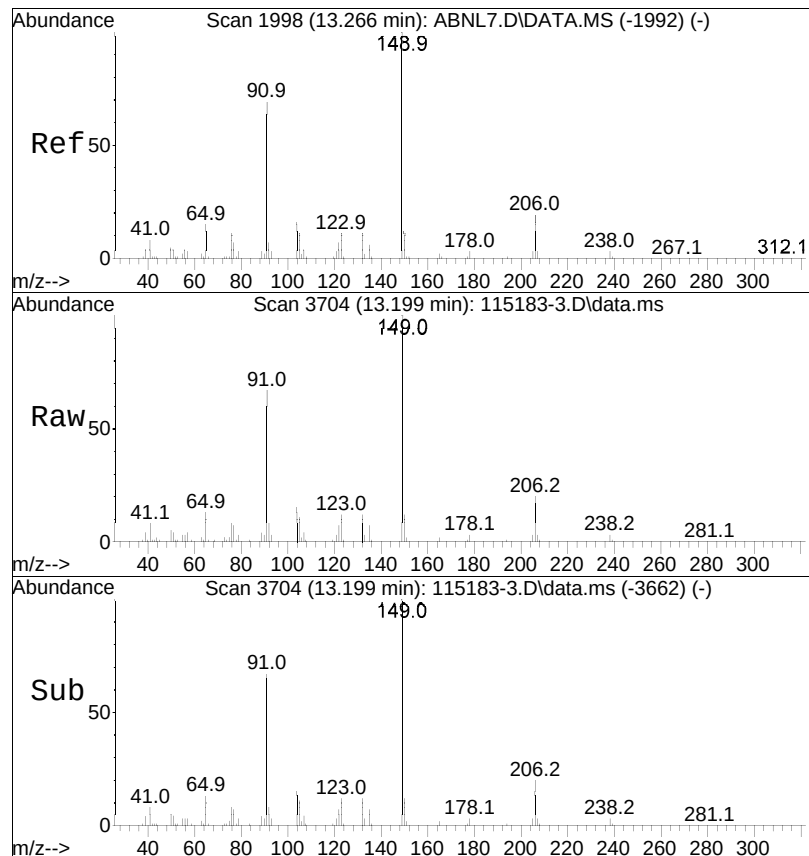




#95
 Pyrene
 Concen: 1.61 ug/ml
 RT: 12.463 min Scan# 3467
 Delta R.T. 0.003 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

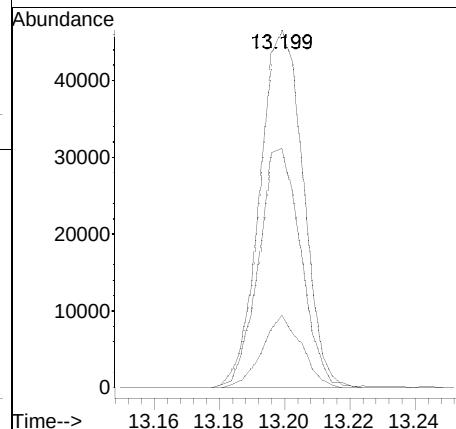
Tgt	Ion:202	Resp:	116527
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.6	14.2	21.4

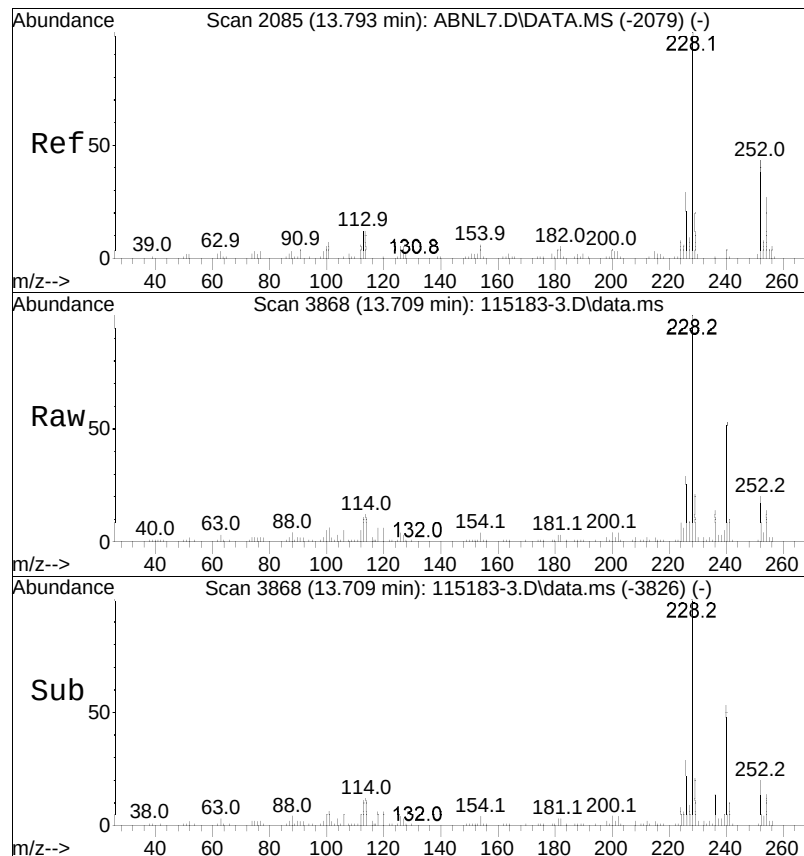




#97
 Butyl benzyl phthalate
 Concen: 1.87 ug/ml
 RT: 13.199 min Scan# 3704
 Delta R.T. 0.006 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

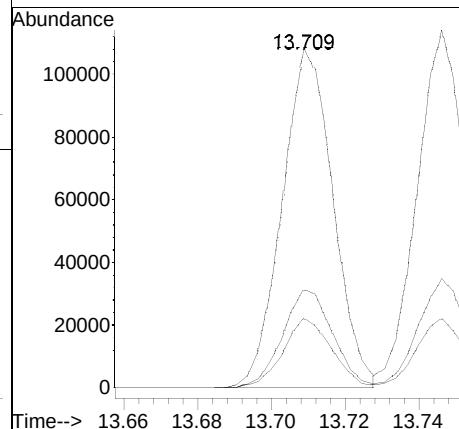
Tgt Ion:	149	Resp:	42749
Ion Ratio	Lower	Upper	
149	100		
91	65.8	63.3	94.9
206	18.5	13.9	20.9

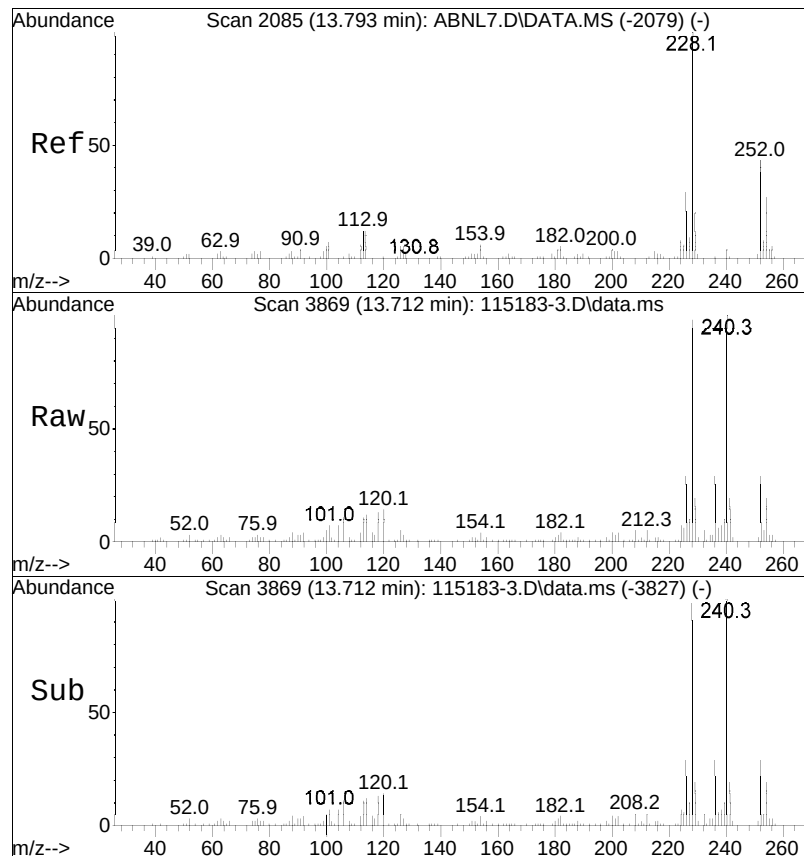




#105
 Benzo(a)anthracene
 Concen: 1.61 ug/ml
 RT: 13.709 min Scan# 3868
 Delta R.T. 0.006 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

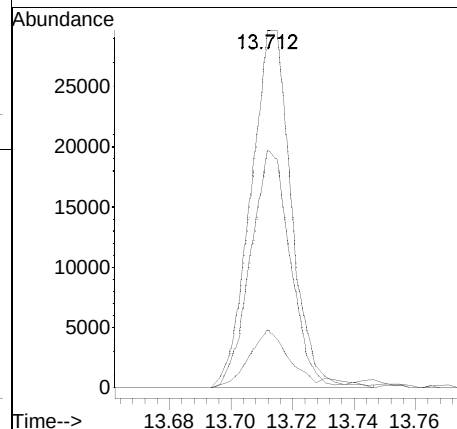
Tgt Ion:	228	Resp:	103822
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.2	33.4
229	19.7	15.6	23.4

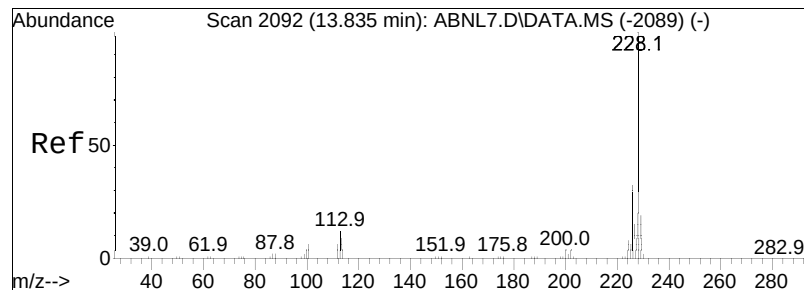




#106
 3,3'-Dichlorobenzidine
 Concen: 1.31 ug/ml
 RT: 13.712 min Scan# 3869
 Delta R.T. 0.006 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

Tgt Ion:	252	Resp:	26974
Ion Ratio	Lower	Upper	
252	100		
126	17.7	14.5	21.7
254	65.8	51.2	76.8





#107

Chrysene

Concen: 1.66 ug/ml

RT: 13.746 min Scan# 3880

Delta R.T. 0.006 min

Lab File: 115183-3.D

Acq: 16 Sep 2025 10:48 am

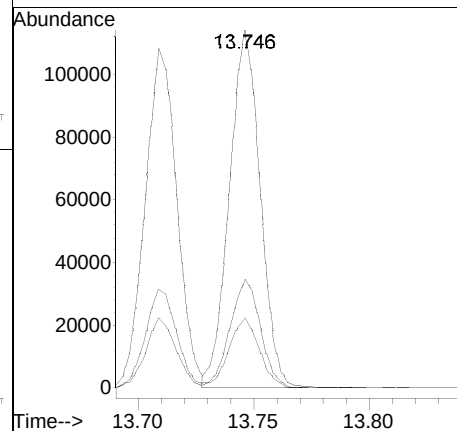
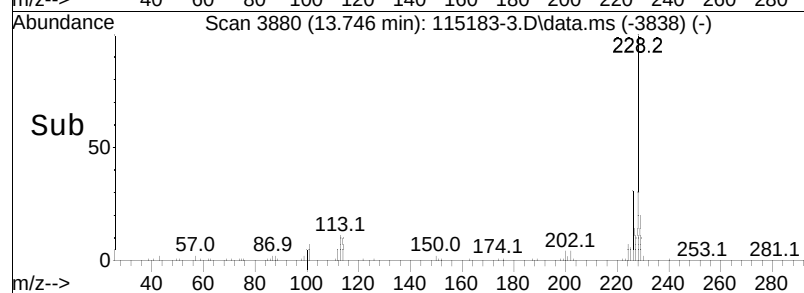
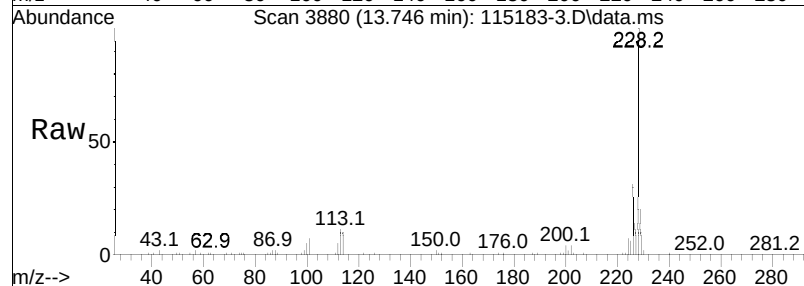
Tgt Ion:228 Resp: 106117

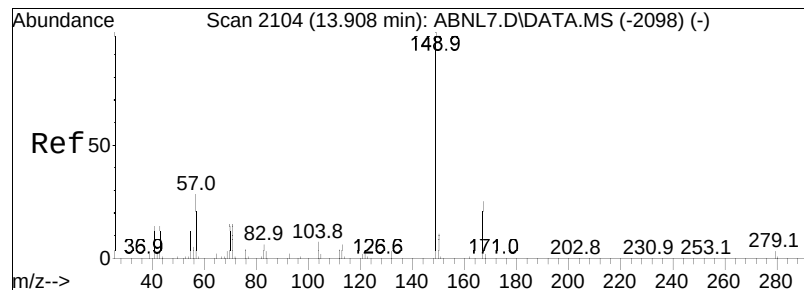
Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

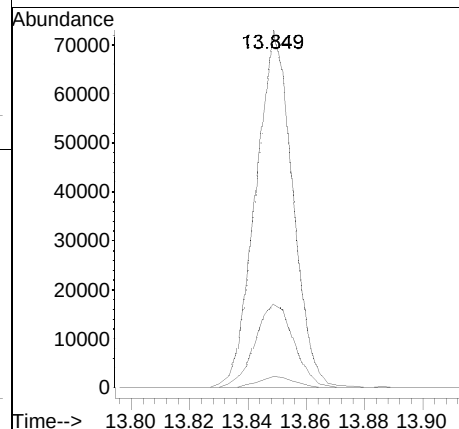
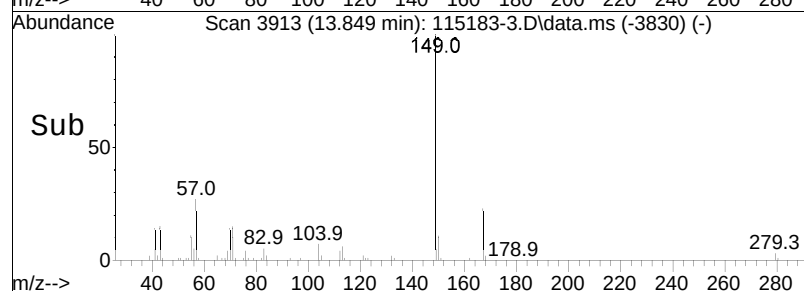
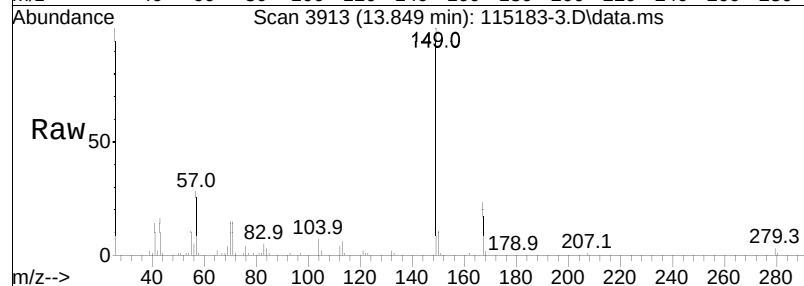
229 19.3 15.8 23.8

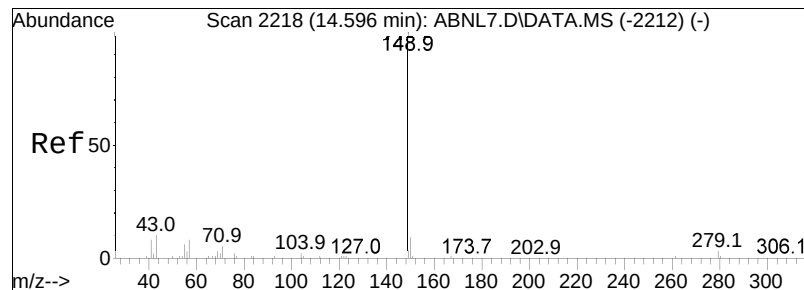




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 1.70 ug/ml
 RT: 13.849 min Scan# 3913
 Delta R.T. 0.009 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

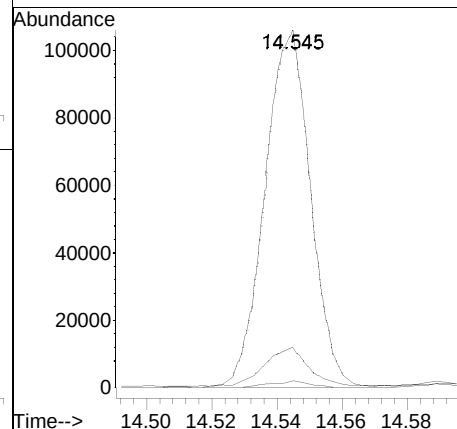
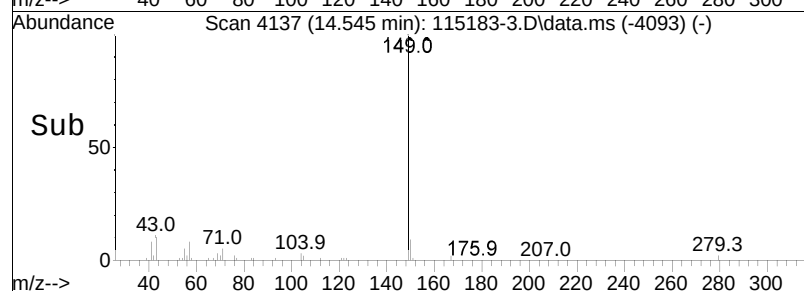
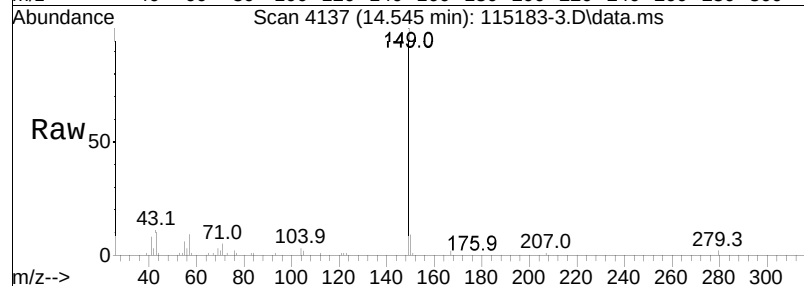
Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.7	22.1	33.1
279	2.8	3.0	4.4

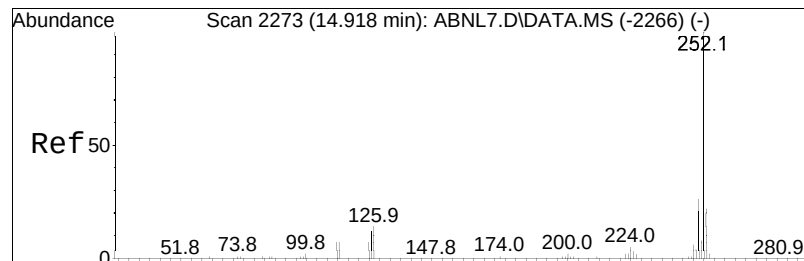




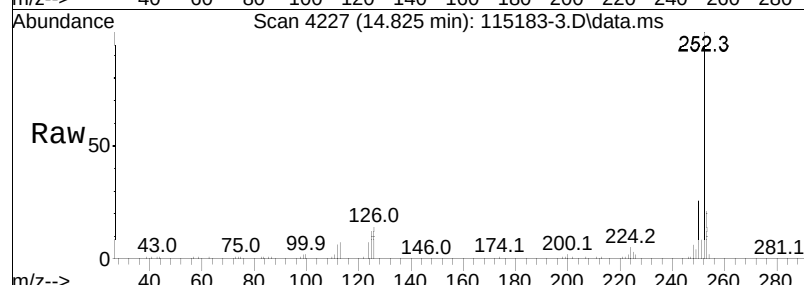
#109
 Di-n-octylphthalate
 Concen: 1.88 ug/ml
 RT: 14.545 min Scan# 4137
 Delta R.T. 0.012 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

Tgt Ion	Ratio	Lower	Upper
149	100		
43	10.7	18.8	28.2#
167	1.4	1.3	1.9

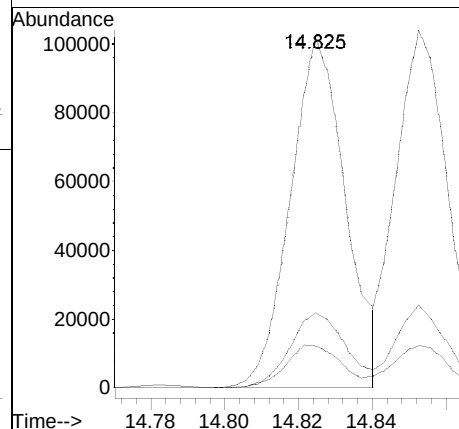
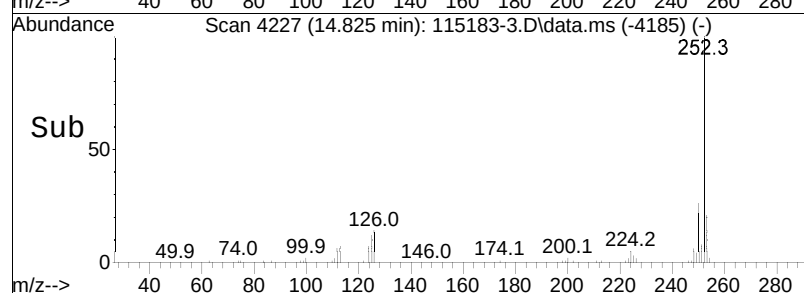


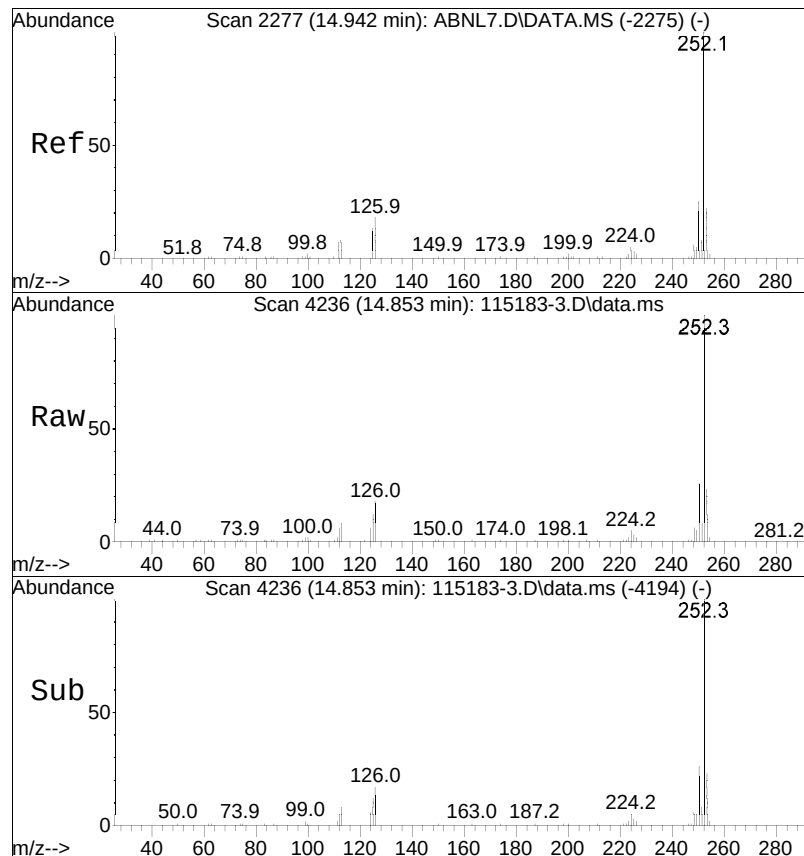


#110
 Benzo(b)fluoranthene
 Concen: 1.89 ug/ml
 RT: 14.825 min Scan# 4227
 Delta R.T. 0.006 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am



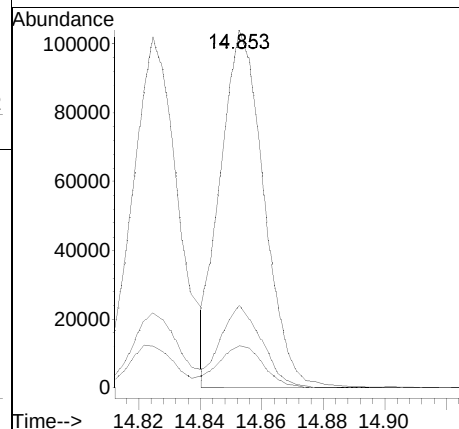
Tgt Ion:	252	Resp:	105949
Ion Ratio	Lower	Upper	
252	100		
125	12.2	13.3	19.9#
253	21.9	17.1	25.7

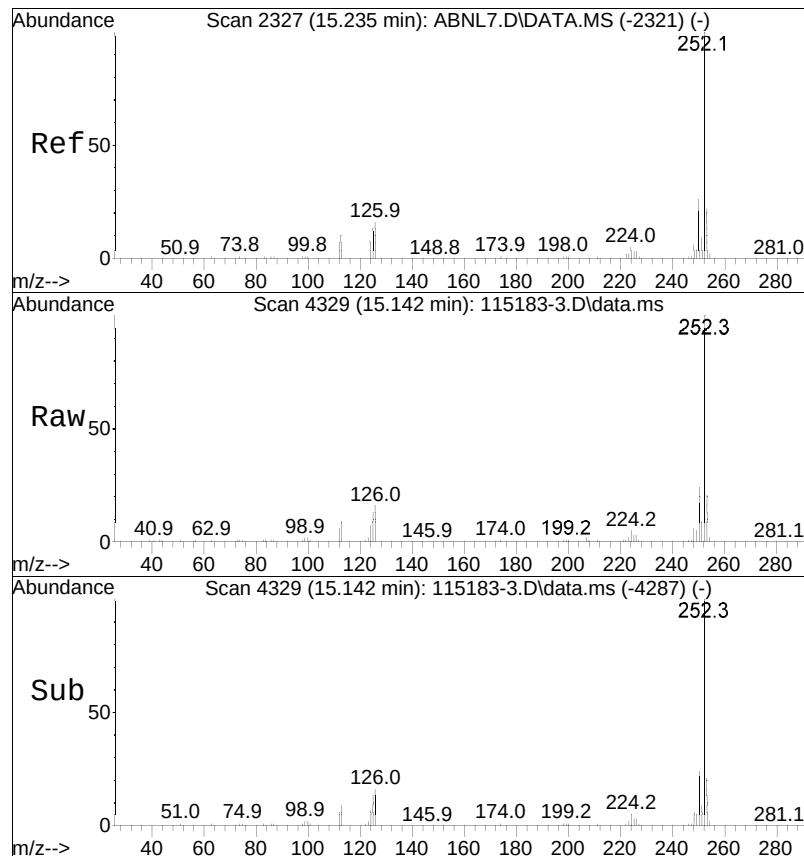




#111
 Benzo(k)fluoranthene
 Concen: 1.79 ug/ml
 RT: 14.853 min Scan# 4236
 Delta R.T. 0.006 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

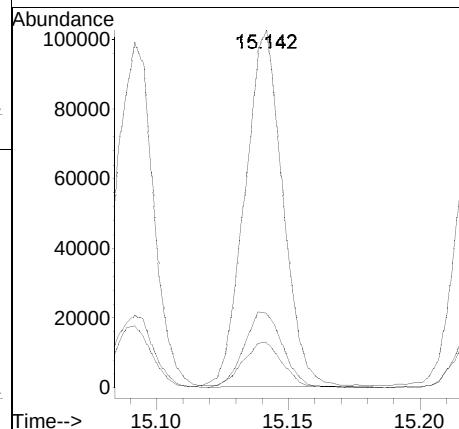
Tgt Ion	Ratio	Lower	Upper
252	100		
125	12.9	13.0	19.6#
253	22.1	16.8	25.2

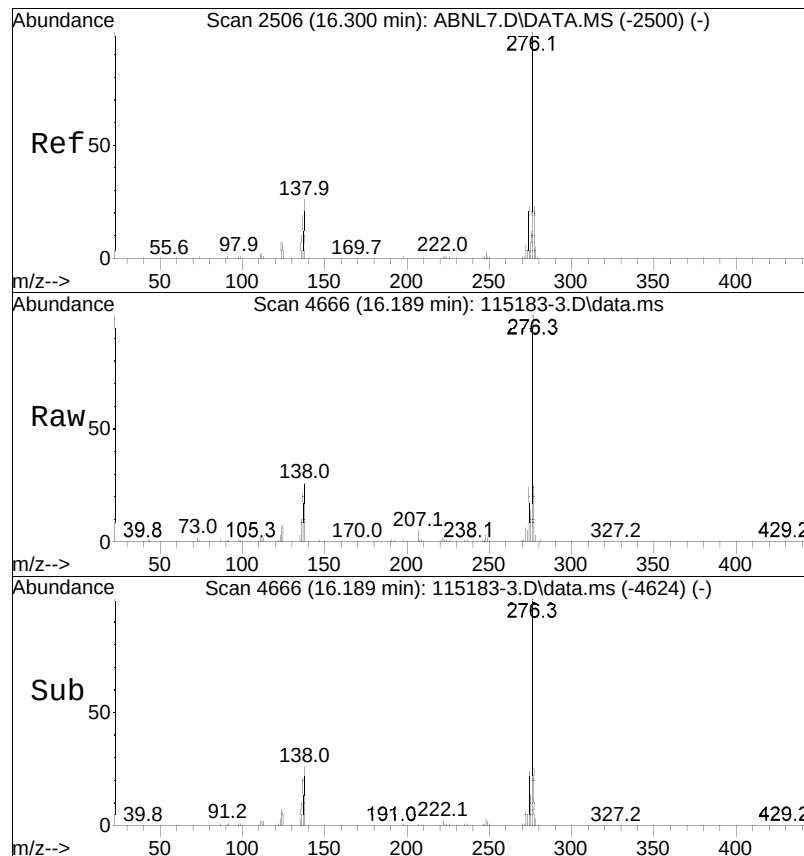




#112
 Benzo(a)pyrene
 Concen: 1.97 ug/ml
 RT: 15.142 min Scan# 4329
 Delta R.T. 0.006 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

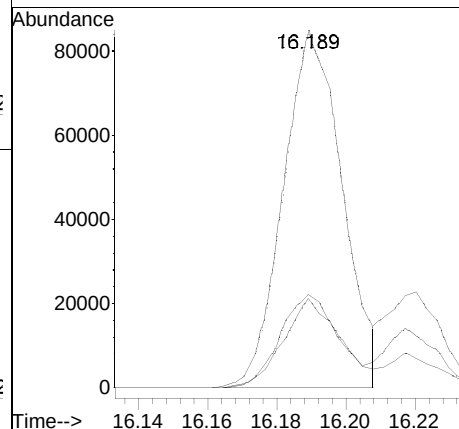
Tgt Ion	Ratio	Lower	Upper
252	100		
125	14.1	14.2	21.2#
253	22.0	16.9	25.3

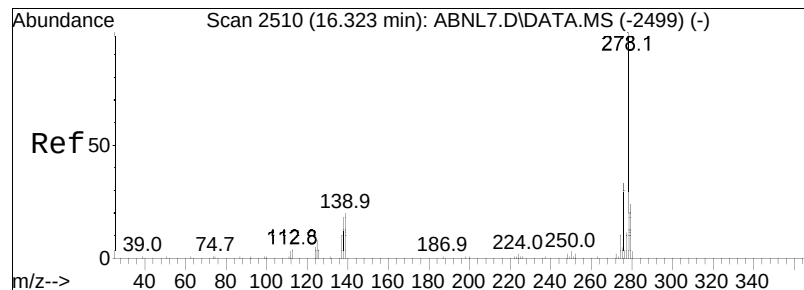




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 1.69 ug/mL
 RT: 16.189 min Scan# 4666
 Delta R.T. 0.006 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

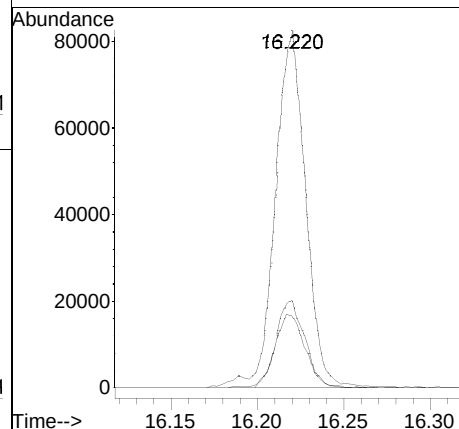
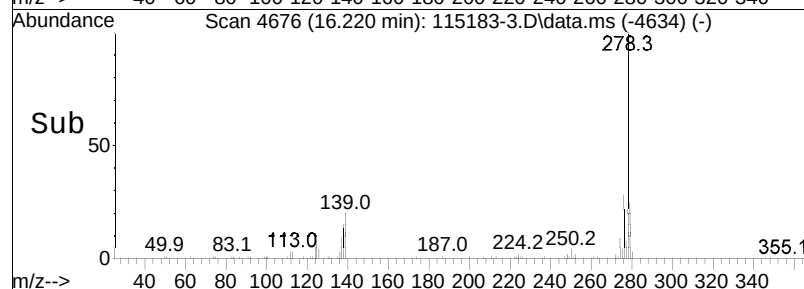
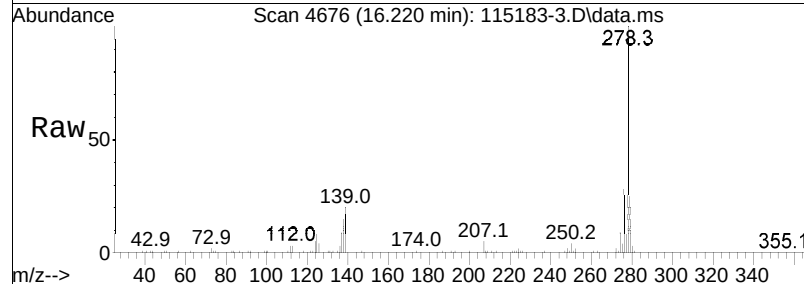
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.1	37.7
277	24.1	18.6	28.0

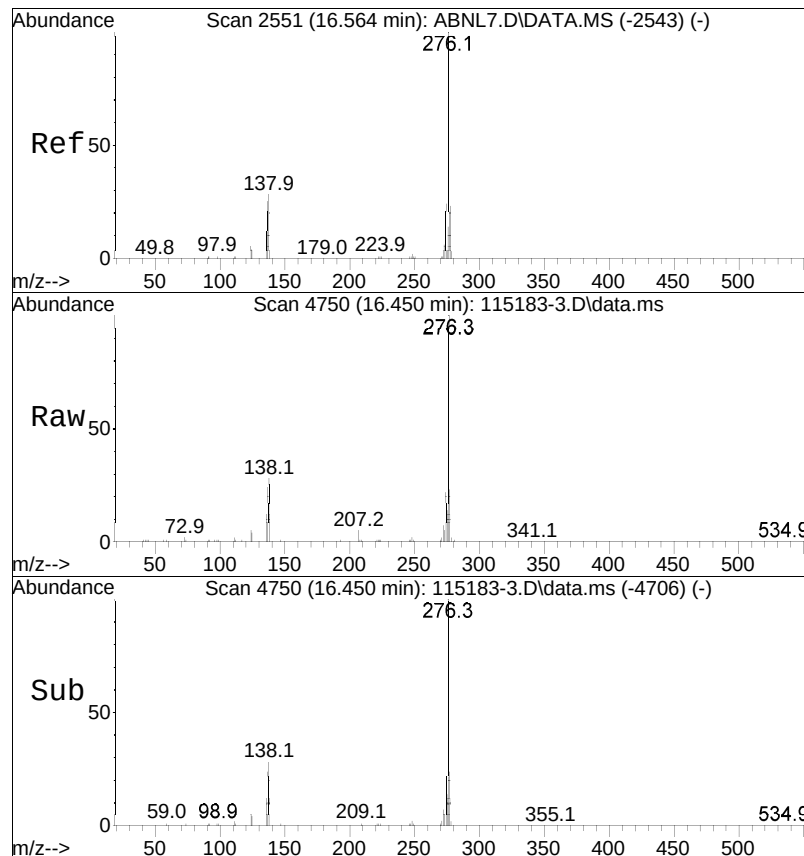




#115
Dibenzo(a,h)anthracene
Concen: 1.62 ug/ml
RT: 16.220 min Scan# 4676
Delta R.T. 0.006 min
Lab File: 115183-3.D
Acq: 16 Sep 2025 10:48 am

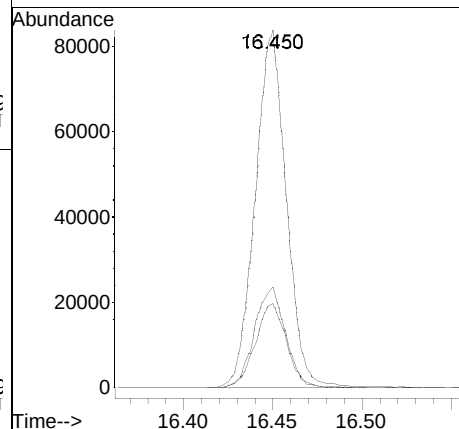
Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.6	20.8	31.2#
279	23.9	18.3	27.5





#116
 Benzo(ghi)perylene
 Concen: 1.63 ug/ml
 RT: 16.450 min Scan# 4750
 Delta R.T. 0.012 min
 Lab File: 115183-3.D
 Acq: 16 Sep 2025 10:48 am

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.6	29.2	43.8#
277	23.8	18.8	28.2



Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : 115766-3.D
 Acq On : 17 Sep 2025 11:57 am
 Operator : SV106:als
 Sample : WG2115761-3,32,,gmr/1
 Misc : WG2116036,WG2115761,ical22591
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 14:08:50 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250917RVT\ABN0917.D
 : 2 - I:\8270\SV106\250917RVT\ADP0917.D
 : 3 - I:\8270\SV106\250917RVT\AP90917.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.036	152	51041	4.000	ug/ml	0.00
Standard Area 1 = 41772			Recovery =	122.19%		
27) IS2_1,4-Dichlorobenzen...	4.036	152	51041	4.000	ug/ml	0.00
Standard Area 3 = 37950			Recovery =	134.50%		
32) IS3_1,4-Dichlorobenzen...	4.036	152	51041	4.000	ug/ml	0.00
Standard Area 2 = 38868			Recovery =	131.32%		
35) IS1_Naphthalene-d8	5.310	136	199282	4.000	ug/ml	0.00
Standard Area 1 = 164763			Recovery =	120.95%		
55) IS2_Naphthalene-d8	5.310	136	199282	4.000	ug/ml	0.00
Standard Area 3 = 149066			Recovery =	133.69%		
63) IS1_Acenaphthene-d10	7.035	164	117614	4.000	ug/ml	0.00
Standard Area 1 = 100432			Recovery =	117.11%		
83) IS2_Acenaphthene-d10	7.035	164	117614	4.000	ug/ml	0.00
Standard Area 3 = 86354			Recovery =	136.20%		
86) IS3_Acenaphthene-d10	7.035	164	117614	4.000	ug/ml	0.00
Standard Area 2 = 87242			Recovery =	134.81%		
88) IS1_Phenanthrene-d10	8.474	188	235376	4.000	ug/ml	0.00
Standard Area 1 = 194347			Recovery =	121.11%		
100) IS3_Phenanthrene-d10	8.474	188	235376	4.000	ug/ml	0.00
Standard Area 2 = 174483			Recovery =	134.90%		
104) IS1_Chrysene-d12	11.082	240	239977	4.000	ug/ml	0.00
Standard Area 1 = 201958			Recovery =	118.83%		
113) IS1_Perylene-d12	12.518	264	283471	4.000	ug/ml	0.00
Standard Area 1 = 215767			Recovery =	131.38%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.684	112	15273	1.082	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	54.10%		
7) Phenol-d6	3.750	99	13716	0.816	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	40.80%		
19) Nitrobenzene-d5	4.605	82	11184	0.715	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	71.50%		
46) 2-Fluorobiphenyl	6.414	172	28077	0.687	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	68.70%		
79) 2,4,6-Tribromophenol	7.809	330	8106	1.422	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	71.10%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : 115766-3.D
 Acq On : 17 Sep 2025 11:57 am
 Operator : SV106:als
 Sample : WG2115761-3,32,,gmr/1
 Misc : WG2116036,WG2115761,ical22591
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 14:08:50 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250917RVT\ABN0917.D
 : 2 - I:\8270\SV106\250917RVT\ADP0917.D
 : 3 - I:\8270\SV106\250917RVT\AP90917.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.078	244	38179	0.660	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	66.00%
Target Compounds						Qvalue
6) 2-Chlorophenol	3.825	128	23828	1.402	ug/ml#	90
8) Phenol	3.762	94	16616	0.904	ug/ml	96
9) Bis(2-chloroethyl)ether	3.812	93	19946	1.368	ug/ml#	83
10) 1,3-Dichlorobenzene	3.974	146	24462	1.200	ug/ml	96
11) 1,4-Dichlorobenzene	4.055	146	24942	1.196	ug/ml	95
12) 1,2-Dichlorobenzene	4.204	146	24646	1.229	ug/ml	96
13) Benzyl alcohol	4.219	79	16717	1.359	ug/ml	95
14) Bis(2-chloroisopropyl)...	4.378	45	31386	1.318	ug/ml#	53
15) 2-Methylphenol	4.372	108	19760	1.402	ug/ml	97
16) Hexachloroethane	4.540	117	9199	1.198	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.502	70	15583	1.499	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.540	108	21547	1.399	ug/ml	90
20) Nitrobenzene	4.623	77	23061	1.434	ug/ml	96
21) Isophorone	4.881	82	41736	1.425	ug/ml	99
22) 2-Nitrophenol	4.950	139	12691	1.554	ug/ml#	86
23) 2,4-Dimethylphenol	5.059	107	22953	1.415	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.142	93	28504	1.444	ug/ml	97
25) 2,4-Dichlorophenol	5.205	162	22945	1.537	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.273	180	21566	1.230	ug/ml	96
29) Acetophenone	4.468	105	33925	1.396	ug/ml#	81
36) Naphthalene	5.332	128	70495	1.308	ug/ml	98
37) Benzoic Acid	5.139	105	6827	1.246	ug/ml	92
38) 4-Chloroaniline	5.422	65	4659M3	0.799	ug/ml	
39) Hexachlorobutadiene	5.497	225	12105	1.212	ug/ml	97
40) p-Chloro-m-cresol	5.951	107	21665	1.532	ug/ml	93
41) 2-Methylnaphthalene	6.025	142	44298	1.388	ug/ml	98
43) Hexachlorocyclopentadiene	6.205	237	12199	0.964	ug/ml	96
44) 2,4,6-Trichlorophenol	6.330	196	17299	1.628	ug/ml	99
45) 2,4,5-Trichlorophenol	6.361	196	19493	1.634	ug/ml	99
47) 2-Chloronaphthalene	6.495	162	49470	1.366	ug/ml	99
48) 2-Nitroaniline	6.619	138	16647	1.621	ug/ml#	78
51) Dimethyl phthalate	6.836	163	63540	1.488	ug/ml#	97
52) Acenaphthylene	6.892	152	82631	1.417	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : 115766-3.D
 Acq On : 17 Sep 2025 11:57 am
 Operator : SV106:als
 Sample : WG2115761-3,32,,gmr/1
 Misc : WG2116036,WG2115761,ical22591
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 14:08:50 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250917RVT\ABN0917.D
 : 2 - I:\8270\SV106\250917RVT\ADP0917.D
 : 3 - I:\8270\SV106\250917RVT\AP90917.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53)	2,6-Dinitrotoluene	6.874	165	12387	1.488	ug/ml#	80
61)	1,2,4,5-Tetrachloroben...	6.199	216	23557	1.267	ug/ml	99
62)	Biphenyl	6.501	154	63160	1.362	ug/ml	99
64)	3-Nitroaniline	7.023	138	13111	1.305	ug/ml#	91
65)	Acenaphthene	7.066	154	46317	1.387	ug/ml	89
66)	2,4-Dinitrophenol	7.129	184	5247	1.078	ug/ml	93
67)	Dibenzofuran	7.240	168	77157	1.423	ug/ml	89
68)	2,4-Dinitrotoluene	7.259	165	17118	1.514	ug/ml#	76
69)	4-Nitrophenol	7.247	65	8190	1.170	ug/ml#	1
72)	Diethyl phthalate	7.539	149	66890	1.500	ug/ml	99
73)	Fluorene	7.573	166	58890	1.384	ug/ml	92
74)	4-Chlorophenyl phenyl ...	7.607	204	29075	1.436	ug/ml	90
75)	4-Nitroaniline	7.613	138	14839	1.498	ug/ml#	77
76)	4,6-Dinitro-o-cresol	7.651	198	8428	1.340	ug/ml#	67
77)	NDPA/DPA	7.725	169	53480	1.504	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.077	248	18273	1.465	ug/ml#	82
81)	Hexachlorobenzene	8.111	284	20998	1.503	ug/ml#	85
82)	Pentachlorophenol	8.316	266	10866	1.321	ug/ml	93
89)	Phenanthrene	8.496	178	96362	1.362	ug/ml	100
90)	Anthracene	8.546	178	97310	1.404	ug/ml	99
91)	Carbazole	8.726	167	92819	1.459	ug/ml	100
92)	Di-n-butylphthalate	9.152	149	167591	2.250	ug/ml	98
93)	Fluoranthene	9.655	202	109792	1.440	ug/ml#	93
95)	Pyrene	9.864	202	114233	1.404	ug/ml	99
97)	Butyl benzyl phthalate	10.610	149	53546	1.720	ug/ml	84
105)	Benzo(a)anthracene	11.073	228	119217	1.473	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.091	252	31104	1.117	ug/ml	99
107)	Chrysene	11.104	228	115221	1.437	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.247	149	85929	1.692	ug/ml#	91
109)	Di-n-octylphthalate	11.915	149	143705	1.688	ug/ml#	72
110)	Benzo(b)fluoranthene	12.154	252	122338	1.596	ug/ml	96
111)	Benzo(k)fluoranthene	12.179	252	120294M3	1.539	ug/ml	
112)	Benzo(a)pyrene	12.459	252	115308M3	1.605	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	13.466	276	117298	1.451	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.494	278	121236	1.448	ug/ml#	93
116)	Benzo(ghi)perylene	13.680	276	118071	1.432	ug/ml#	91

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
 Data File : 115766-3.D
 Acq On : 17 Sep 2025 11:57 am
 Operator : SV106:als
 Sample : WG2115761-3,32,,gmr/1
 Misc : WG2116036,WG2115761,ical22591
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 14:08:50 2025
 Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 17 11:05:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250917RVT\ABN0917.D
 : 2 - I:\8270\SV106\250917RVT\ADP0917.D
 : 3 - I:\8270\SV106\250917RVT\AP90917.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

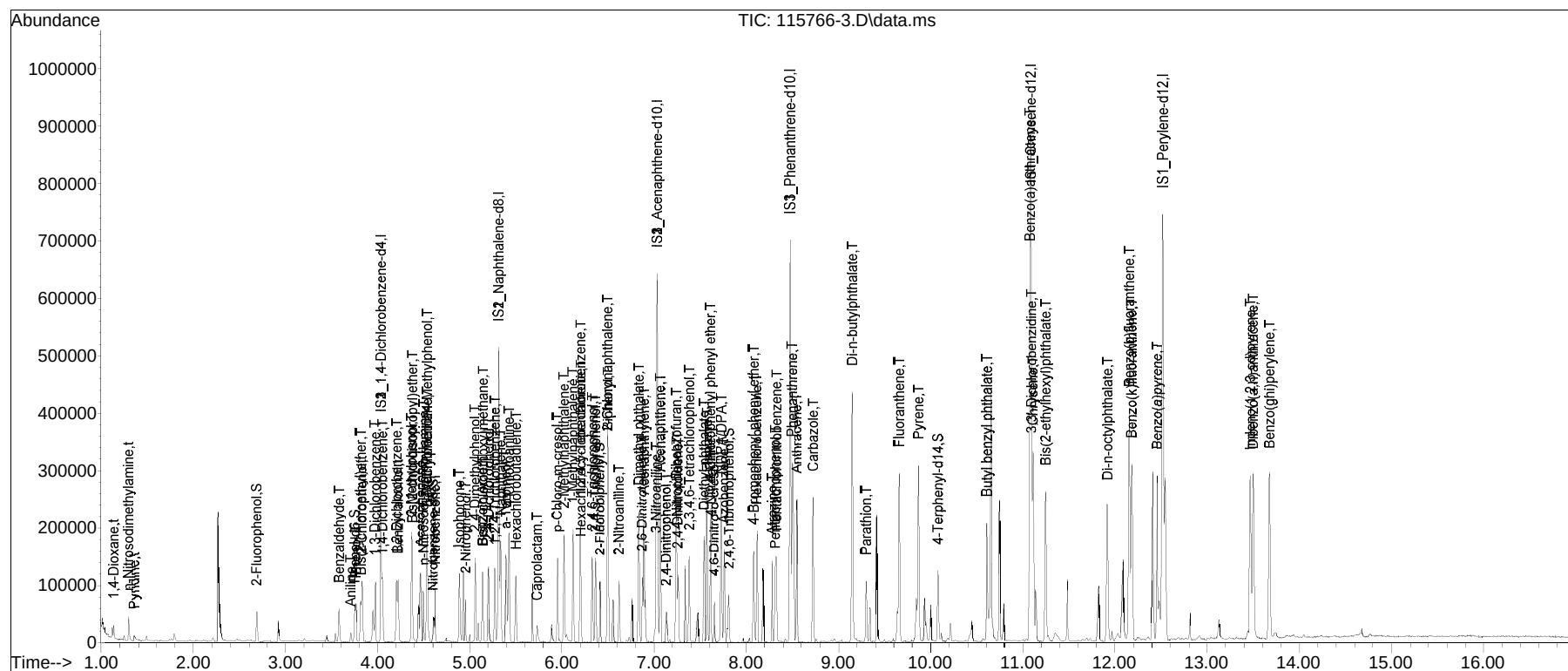
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

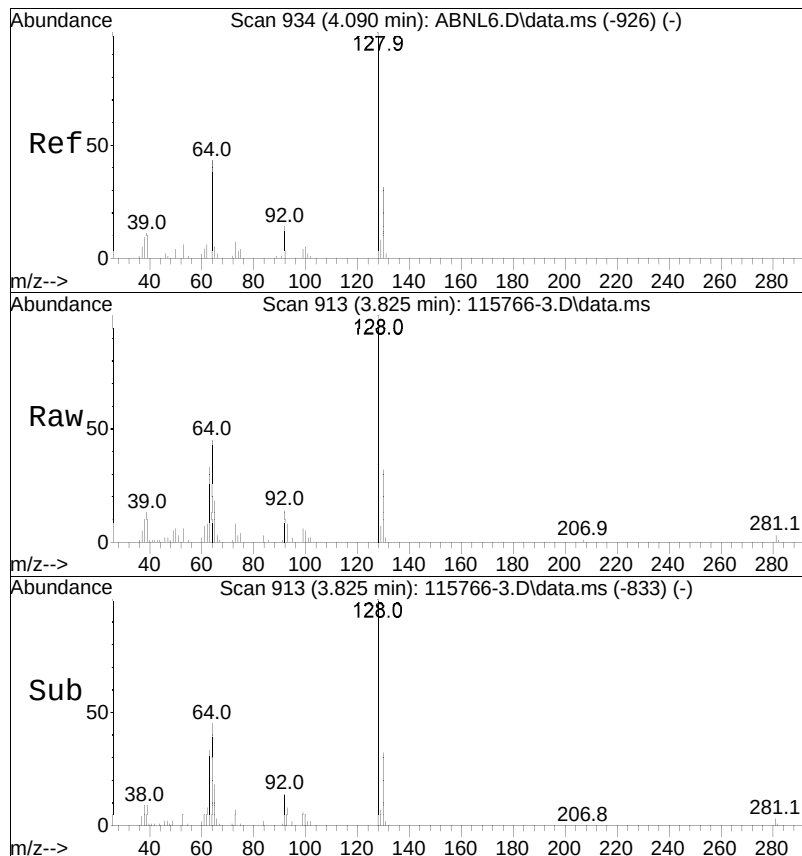
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250917RVT\
Data File : 115766-3.D
Acq On : 17 Sep 2025 11:57 am
Operator : SV106:als
Sample : WG2115761-3,32,,gmr/1
Misc : WG2116036,WG2115761,ical22591
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 14:08:50 2025
Quant Method : I:\8270\SV106\250917RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Sep 17 11:05:06 2025
Response via : Initial Calibration

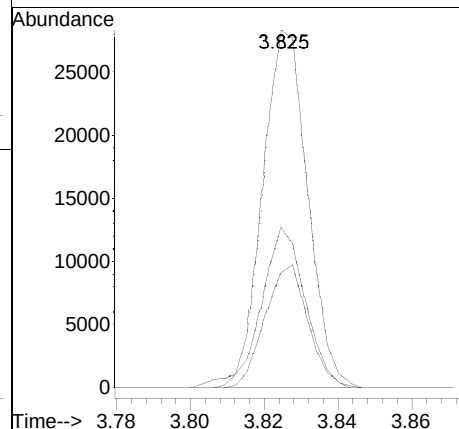
Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP90917.D•

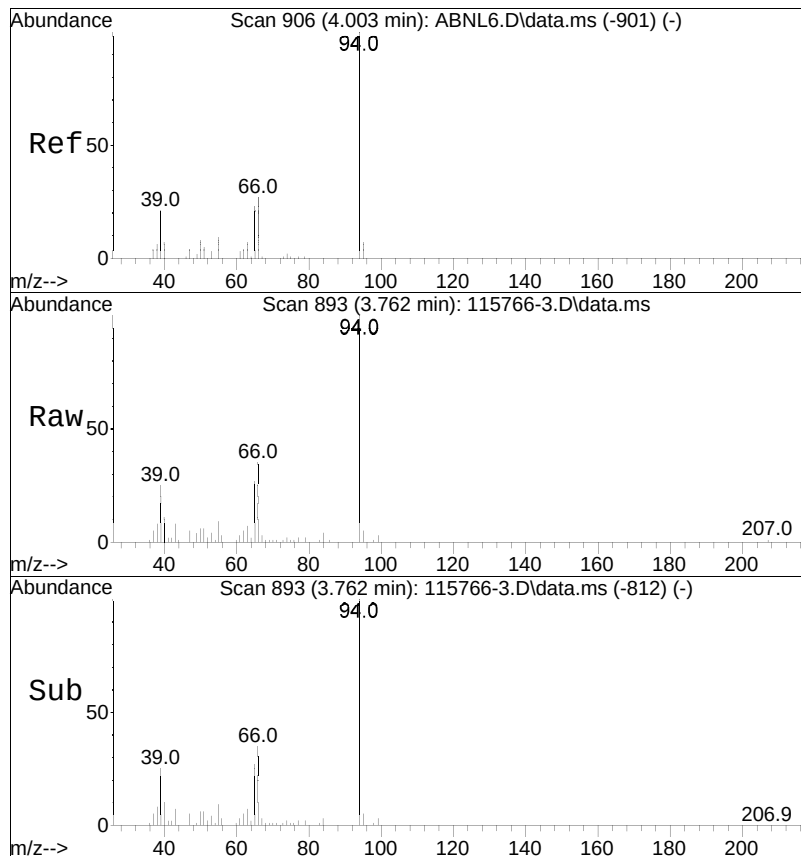




#6
 2-Chlorophenol
 Concen: 1.40 ug/ml
 RT: 3.825 min Scan# 913
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

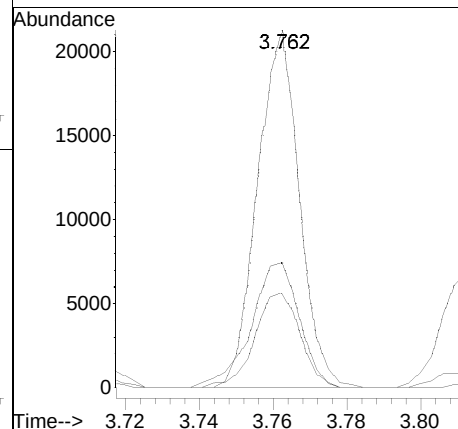
Tgt	Ion:128	Resp:	23828
Ion	Ratio	Lower	Upper
128	100		
64	44.7	45.1	67.7#
130	33.0	26.2	39.4

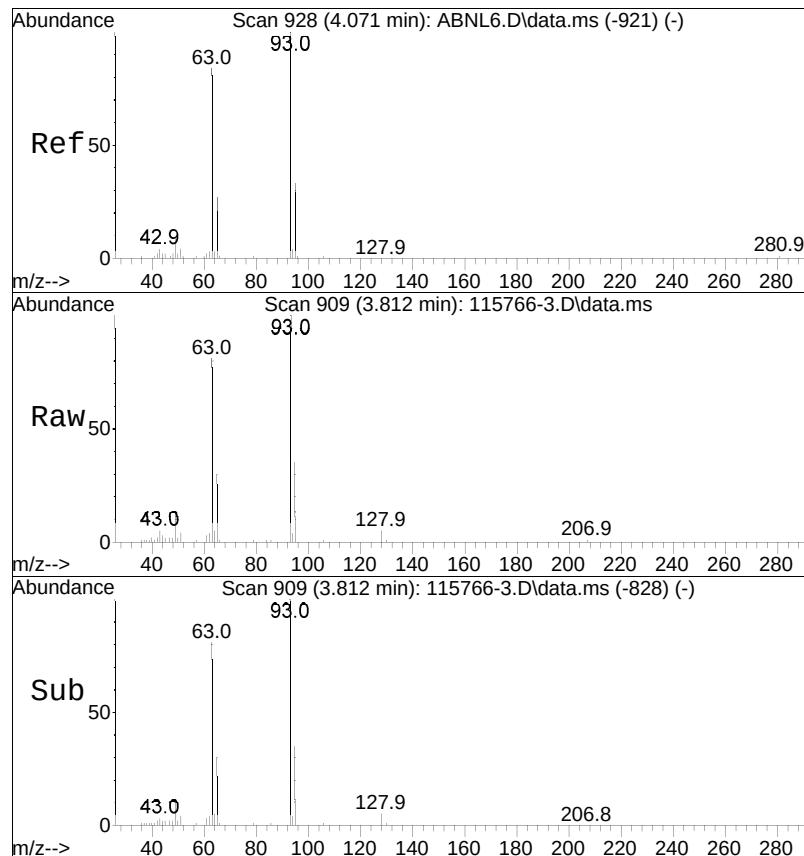




#8
 Phenol
 Concen: 0.90 ug/ml
 RT: 3.762 min Scan# 893
 Delta R.T. 0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

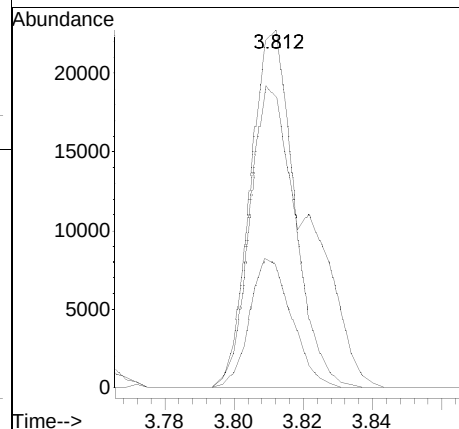
Tgt Ion:	94	Resp:	16616
Ion Ratio	Lower	Upper	
94	100		
65	28.9	26.0	39.0
66	40.6	33.8	50.8

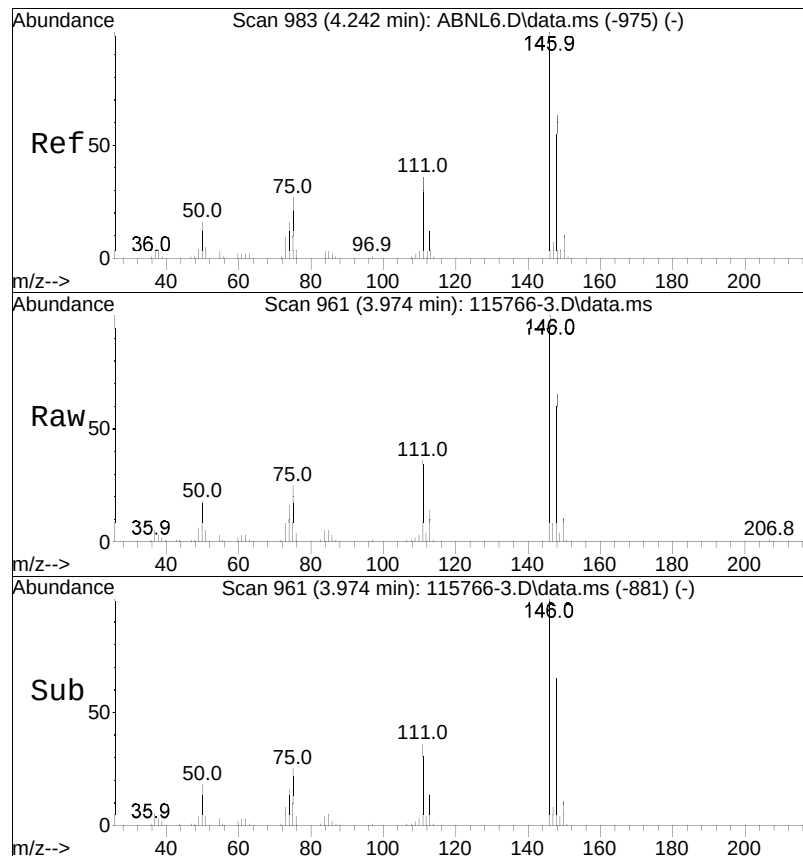




#9
 Bis(2-chloroethyl)ether
 Concen: 1.37 ug/ml
 RT: 3.812 min Scan# 909
 Delta R.T. 0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

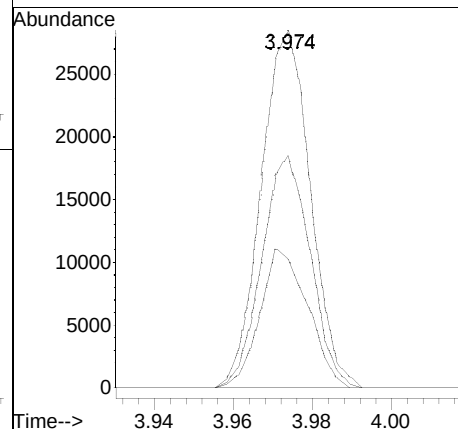
Tgt Ion:	93	Resp:	19946
Ion Ratio	Lower	Upper	
93	100		
63	113.7	74.6	111.8#
95	34.8	25.9	38.9

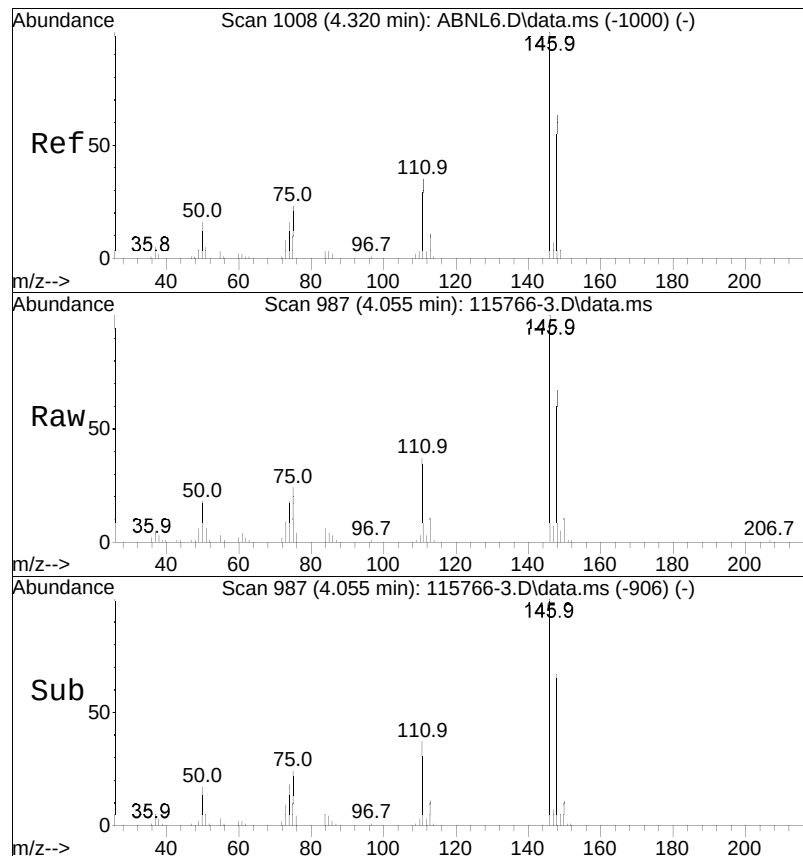




#10
 1,3-Dichlorobenzene
 Concen: 1.20 ug/ml
 RT: 3.974 min Scan# 961
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

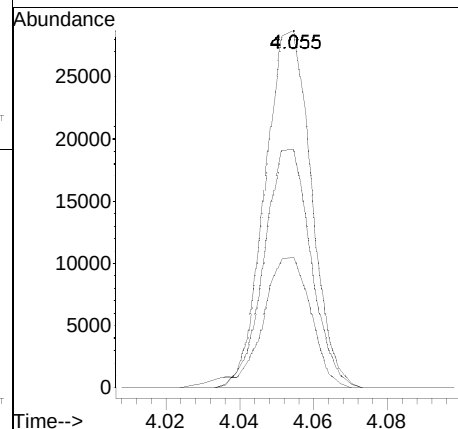
Tgt	Ion:146	Resp:	24462
Ion	Ratio	Lower	Upper
146	100		
111	37.7	34.3	51.5
148	63.9	50.8	76.2

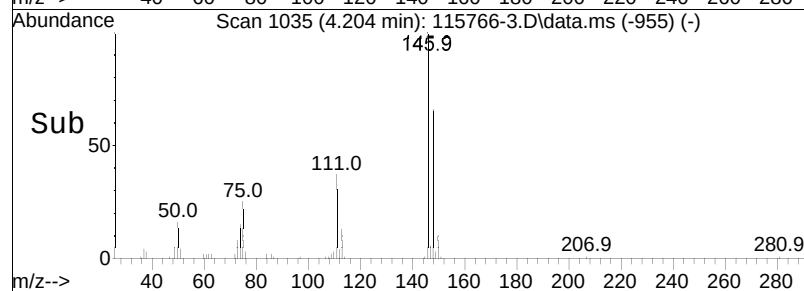
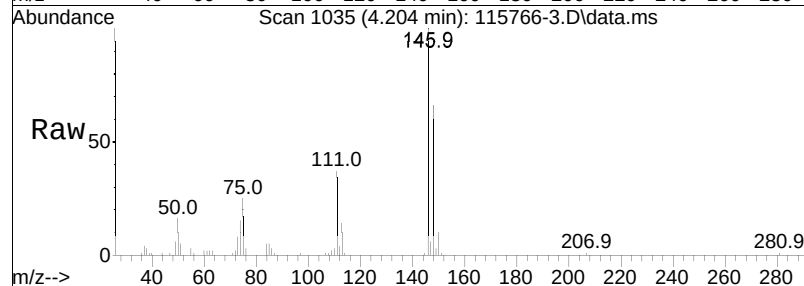
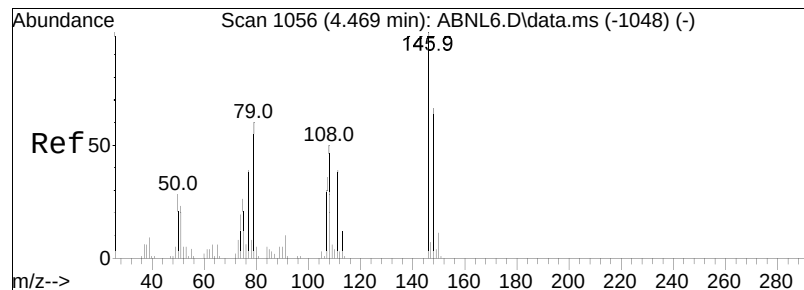




#11
 1,4-Dichlorobenzene
 Concen: 1.20 ug/ml
 RT: 4.055 min Scan# 987
 Delta R.T. 0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

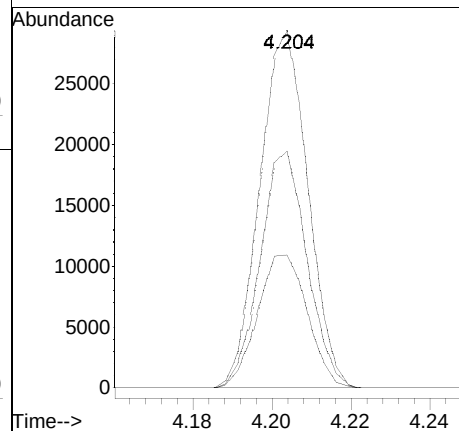
Tgt	Ion:146	Resp:	24942
Ion	Ratio	Lower	Upper
146	100		
148	67.3	50.7	76.1
111	38.5	33.4	50.0

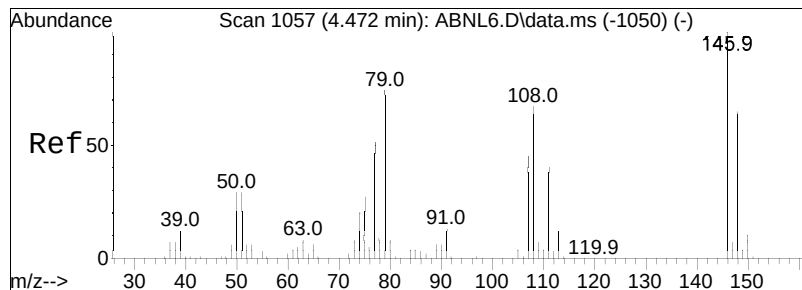




#12
 1,2-Dichlorobenzene
 Concen: 1.23 ug/ml
 RT: 4.204 min Scan# 1035
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	34.6	52.0
148	64.5	50.2	75.4





#13

Benzyl alcohol

Concen: 1.36 ug/ml

RT: 4.219 min Scan# 1040

Delta R.T. 0.000 min

Lab File: 115766-3.D

Acq: 17 Sep 2025 11:57 am

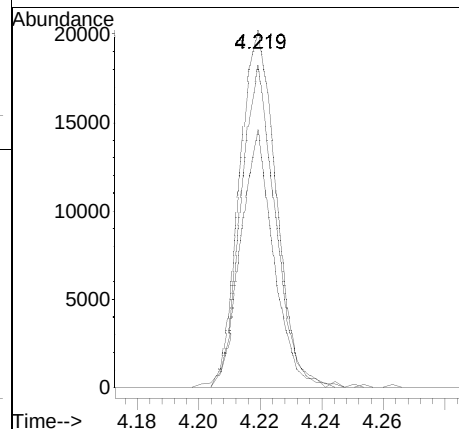
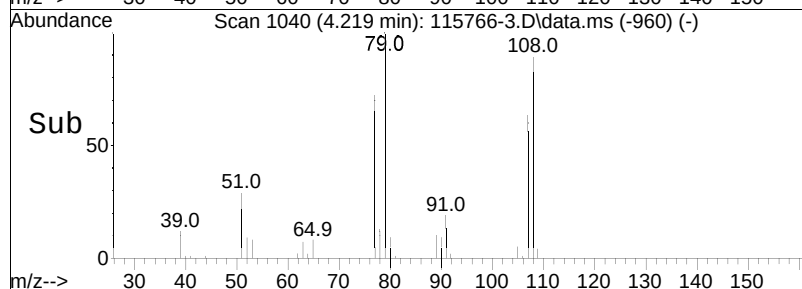
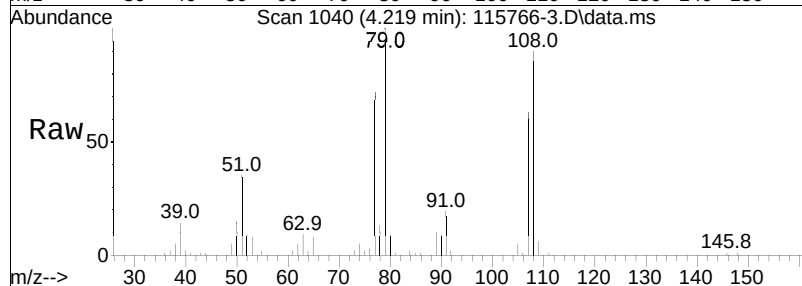
Tgt Ion: 79 Resp: 16717

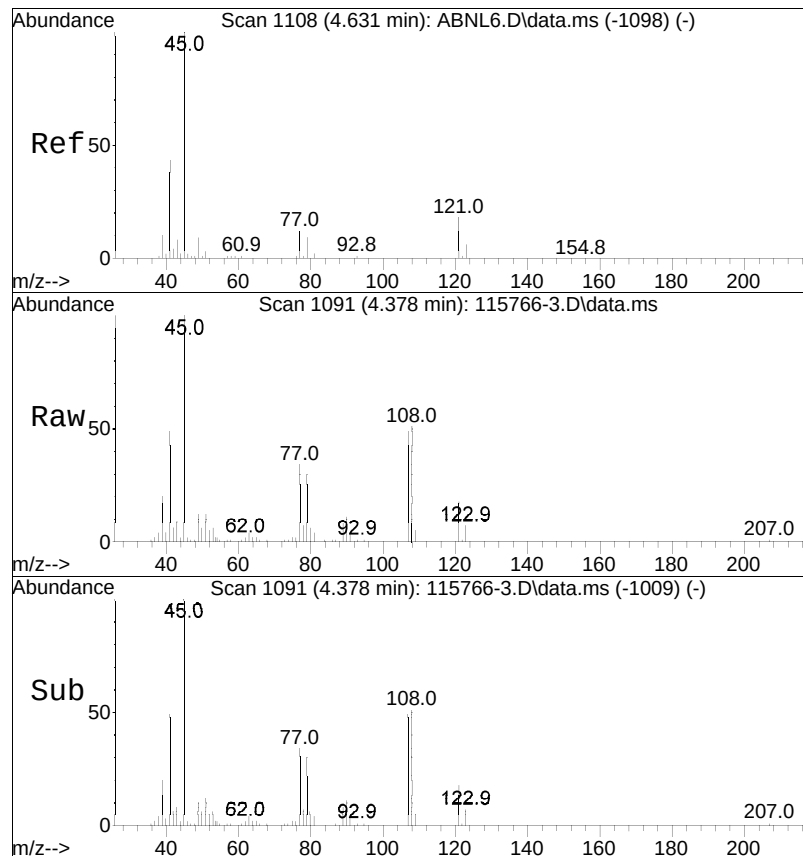
Ion Ratio Lower Upper

79 100

77 65.2 54.9 82.3

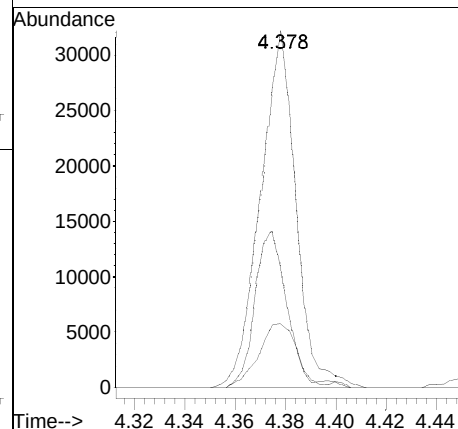
108 84.7 63.1 94.7

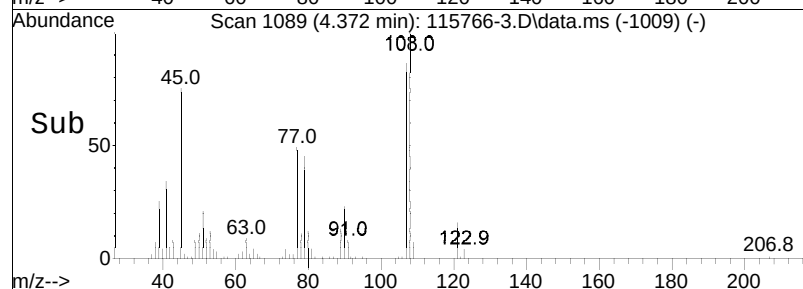
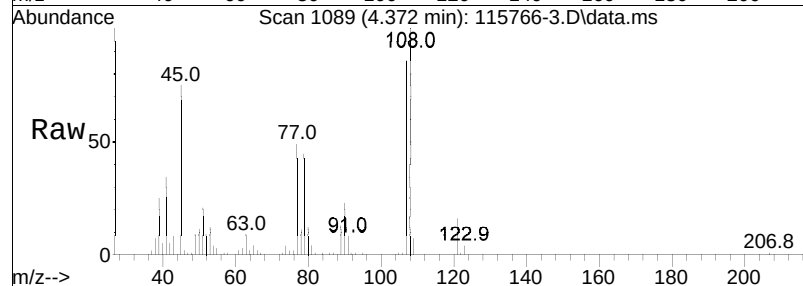
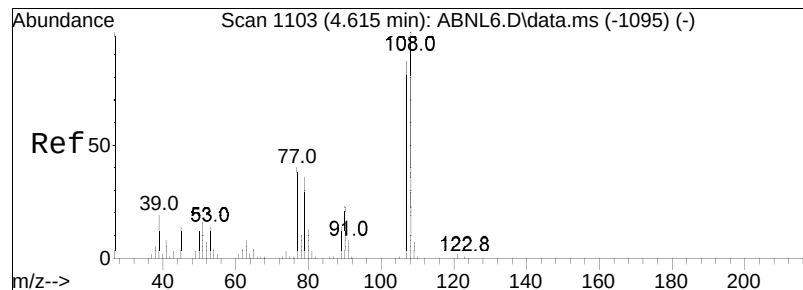




#14
 Bis(2-chloroisopropyl)ether
 Concen: 1.32 ug/ml
 RT: 4.378 min Scan# 1091
 Delta R.T. 0.006 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

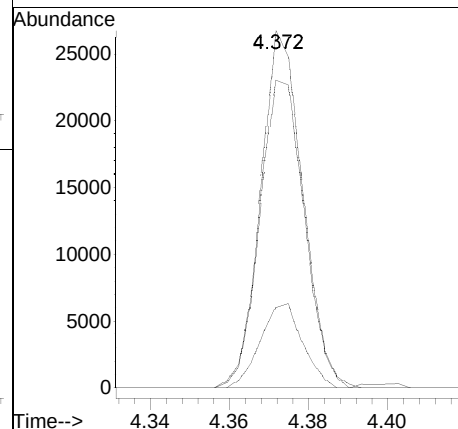
Tgt Ion	Ratio	Resp	Lower	Upper
45	100	31386		
121	20.1	9.8	14.6#	
77	39.3	6.1	9.1#	

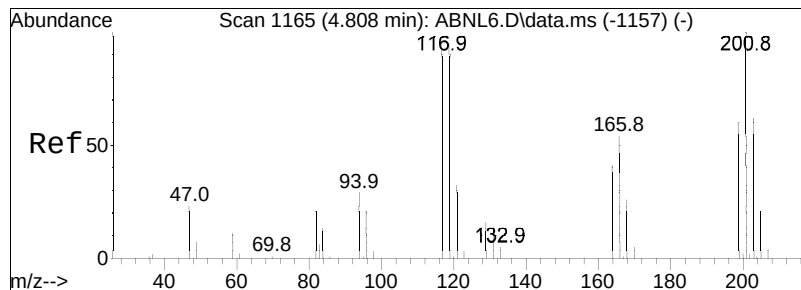




#15
 2-Methylphenol
 Concen: 1.40 ug/ml
 RT: 4.372 min Scan# 1089
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

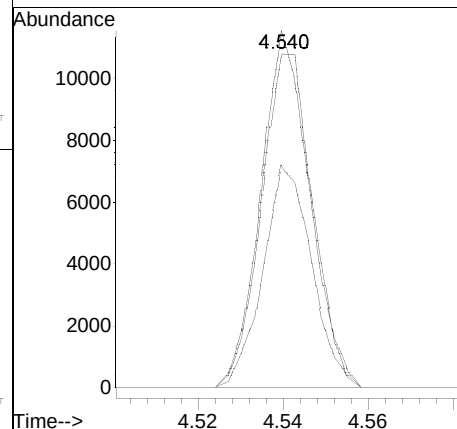
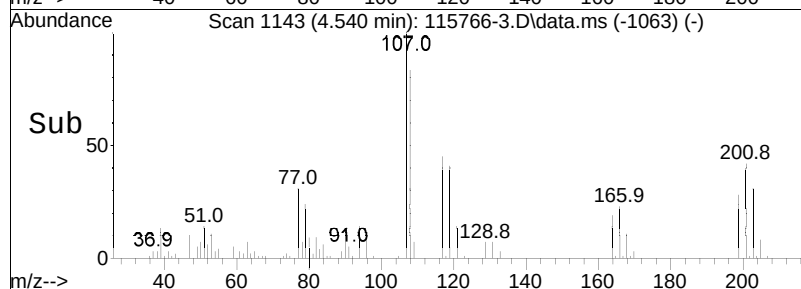
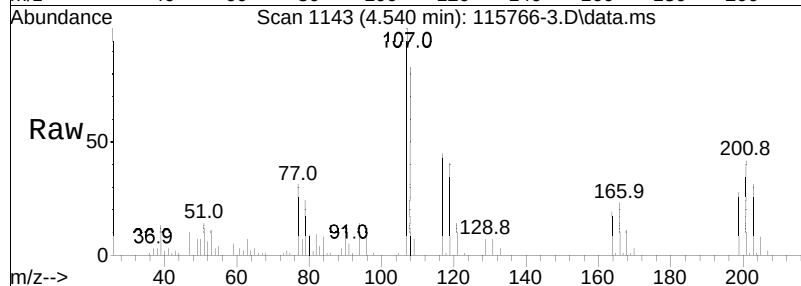
Tgt Ion	Ratio	Lower	Upper
108	100		
107	91.4	70.7	106.1
90	23.7	18.7	28.1

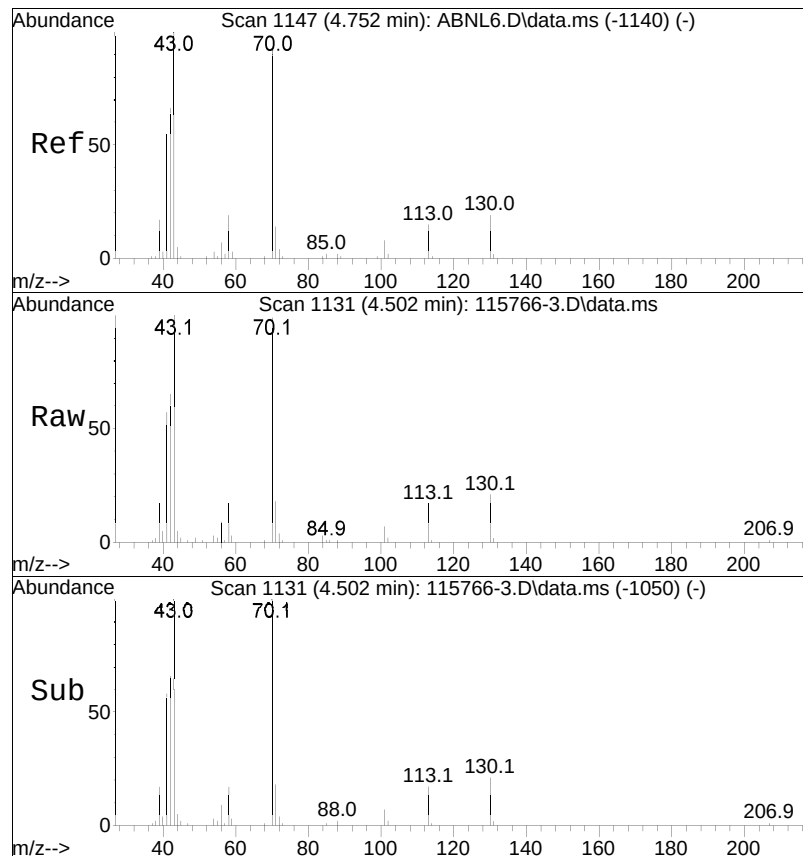




#16
 Hexachloroethane
 Concen: 1.20 ug/ml
 RT: 4.540 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

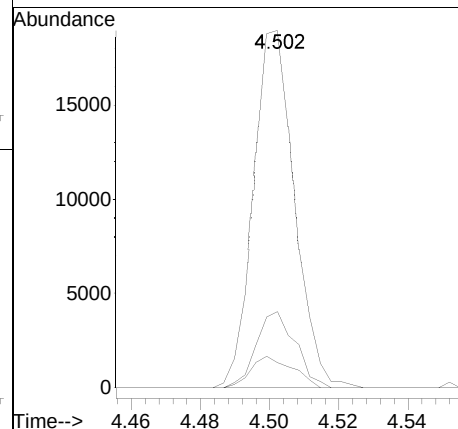
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	9199		
201	98.1		58.6	87.8#
199	62.3		36.9	55.3#

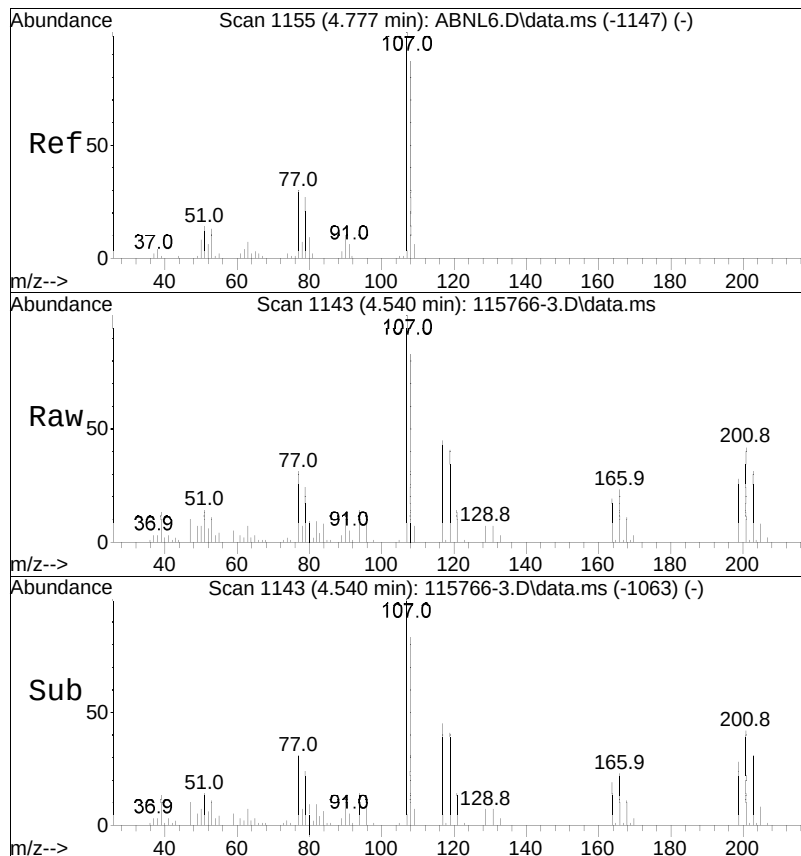




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.50 ug/ml
 RT: 4.502 min Scan# 1131
 Delta R.T. 0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

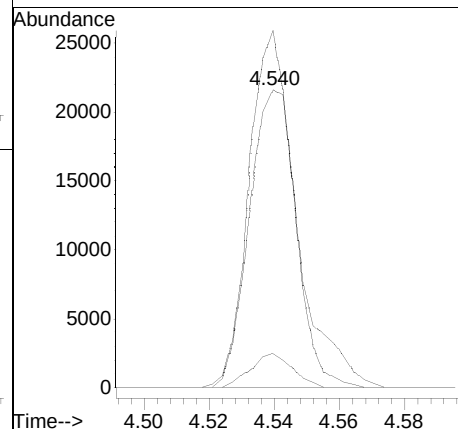
Tgt Ion:	70	Resp:	15583
Ion Ratio	Lower	Upper	
70	100		
130	20.2	18.2	27.4
101	8.9	7.8	11.8

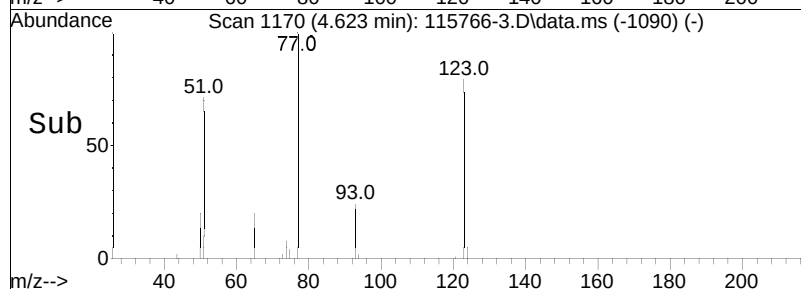
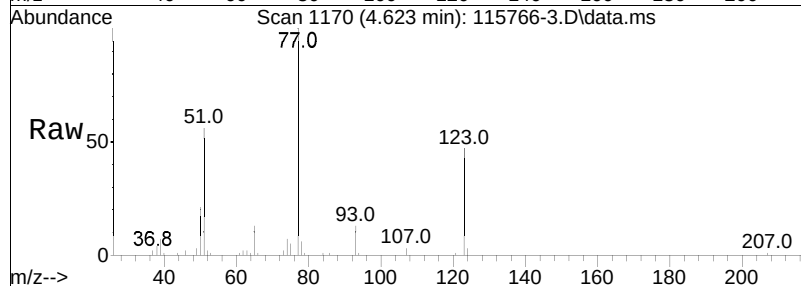
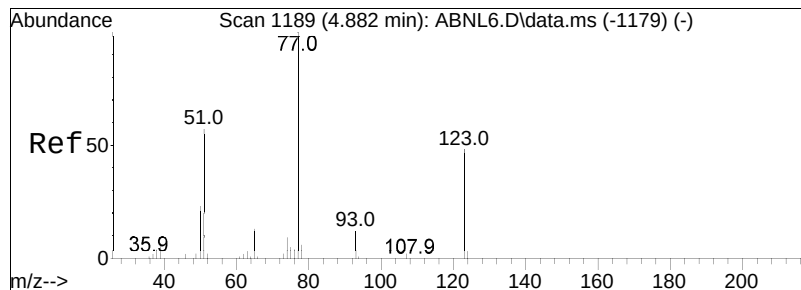




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.40 ug/ml
 RT: 4.540 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

Tgt Ion:	108	Resp:	21547
Ion Ratio	Lower	Upper	
108	100		
107	122.0	88.6	132.8
90	10.2	8.8	13.2





#20

Nitrobenzene

Concen: 1.43 ug/ml

RT: 4.623 min Scan# 1170

Delta R.T. 0.000 min

Lab File: 115766-3.D

Acq: 17 Sep 2025 11:57 am

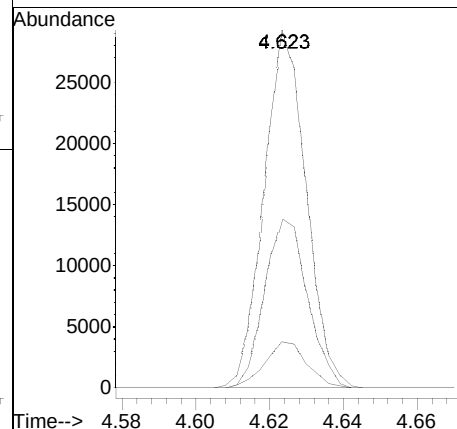
Tgt Ion: 77 Resp: 23061

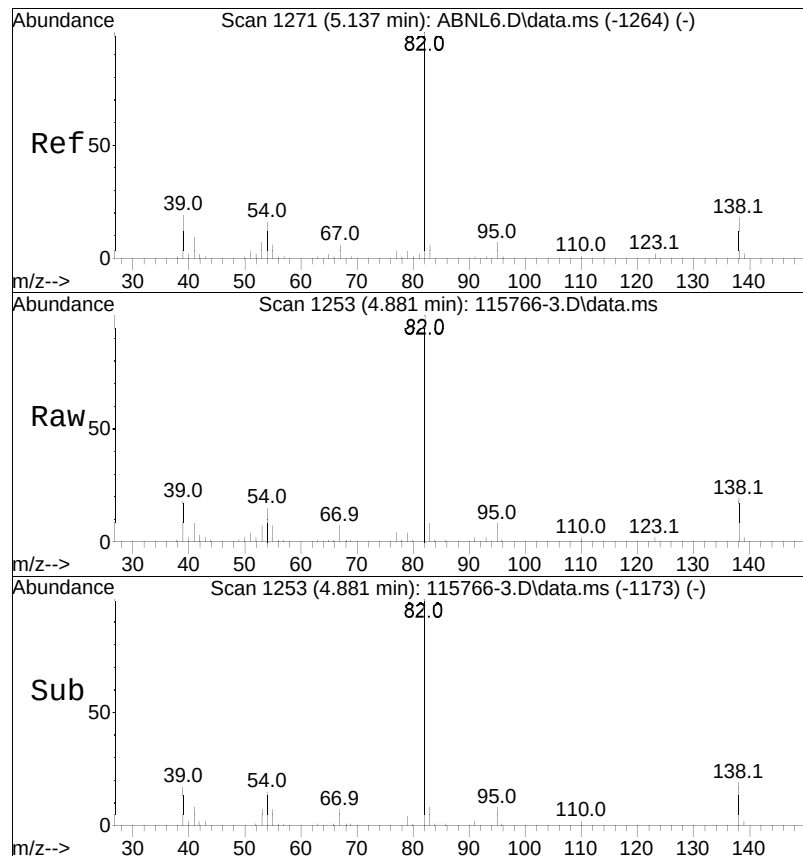
Ion Ratio Lower Upper

77 100

123 48.3 36.3 54.5

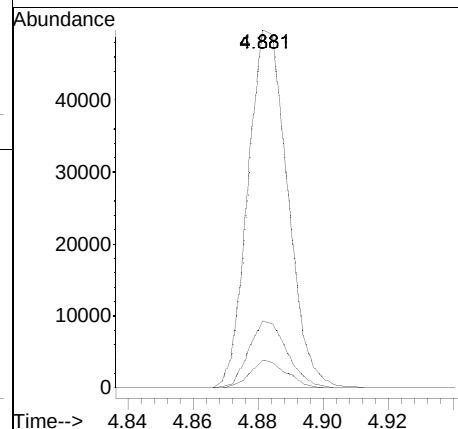
65 13.1 11.6 17.4

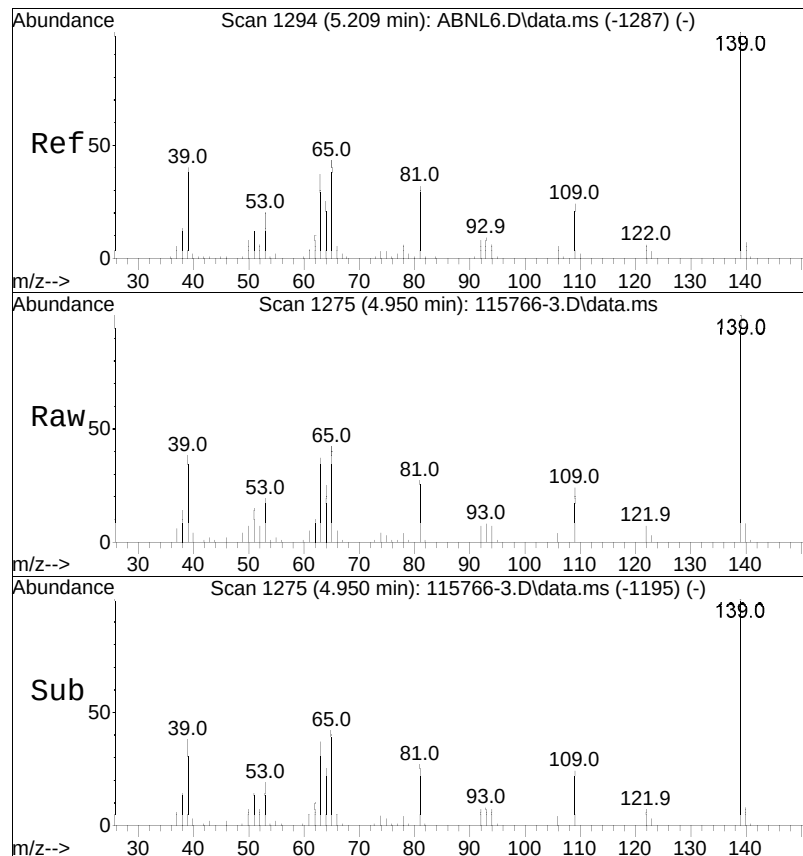




#21
 Isophorone
 Concen: 1.42 ug/ml
 RT: 4.881 min Scan# 1253
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

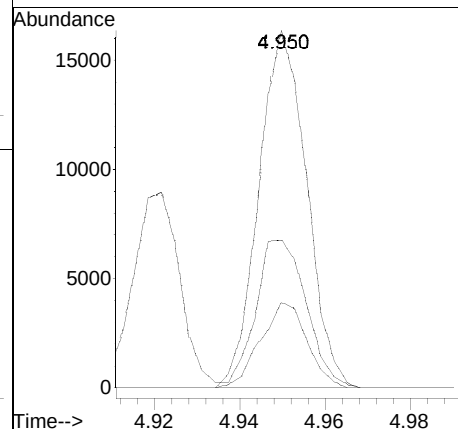
Tgt Ion:	82	Resp:	41736
Ion Ratio	Lower	Upper	
82	100		
138	18.2	14.7	22.1
95	7.1	5.2	7.8

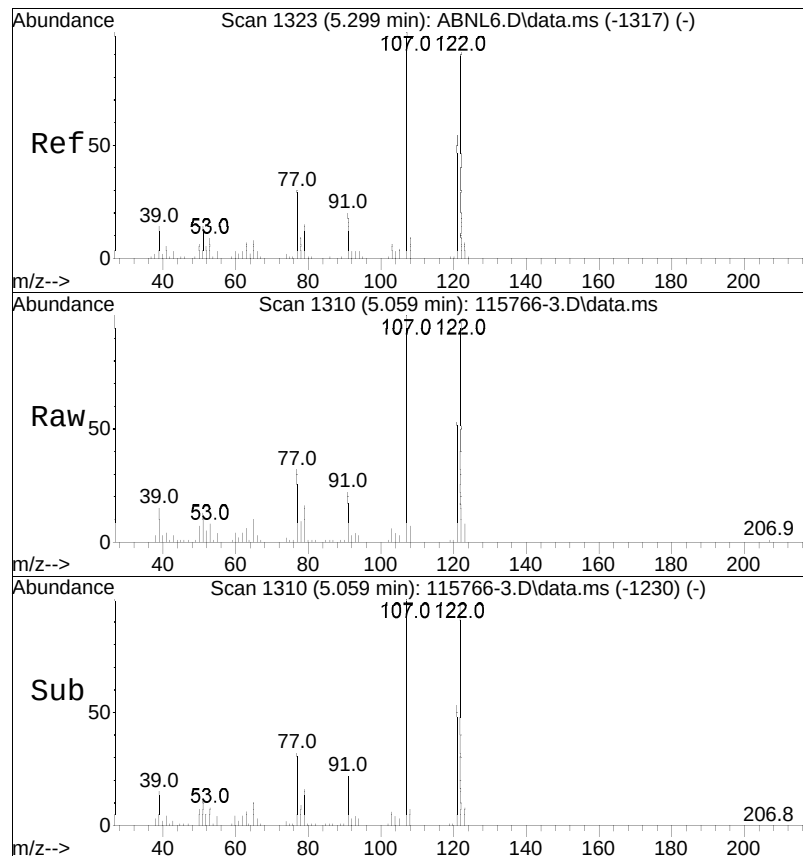




#22
2-Nitrophenol
Concen: 1.55 ug/ml
RT: 4.950 min Scan# 1275
Delta R.T. 0.000 min
Lab File: 115766-3.D
Acq: 17 Sep 2025 11:57 am

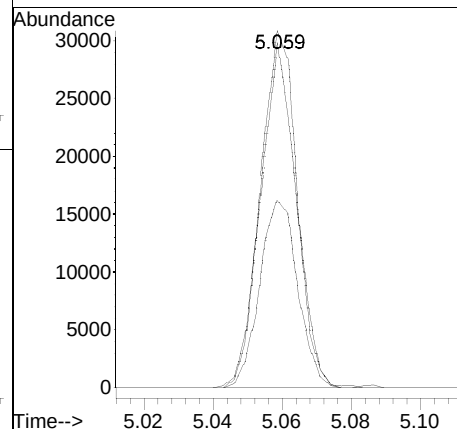
Tgt	Ion:139	Resp:	12691
Ion	Ratio	Lower	Upper
139	100		
109	23.3	19.4	29.0
65	43.4	46.1	69.1#

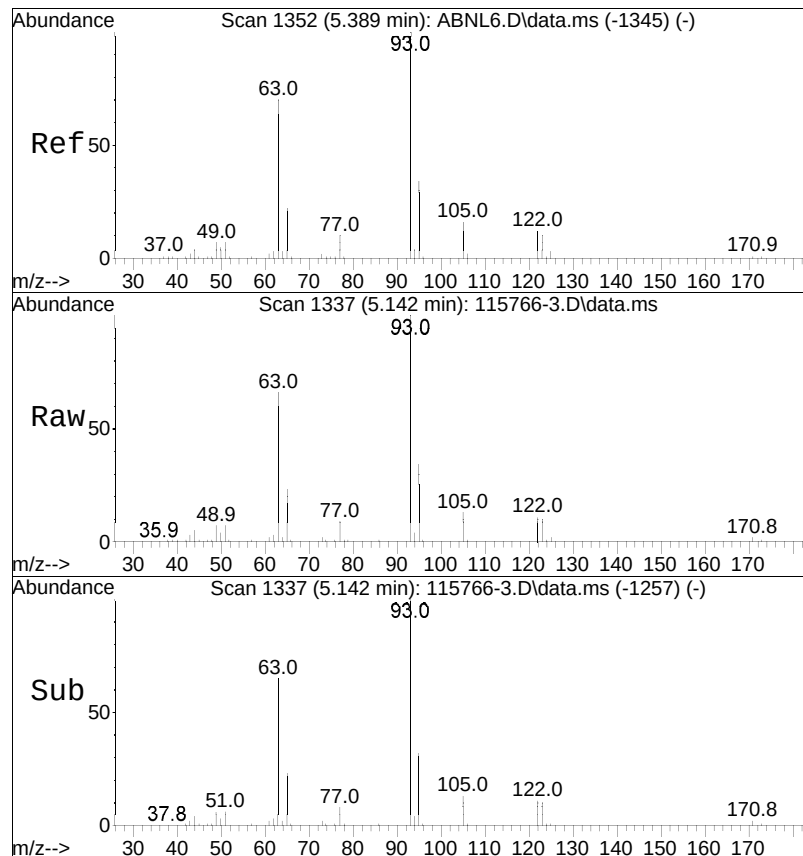




#23
 2,4-Dimethylphenol
 Concen: 1.41 ug/ml
 RT: 5.059 min Scan# 1310
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

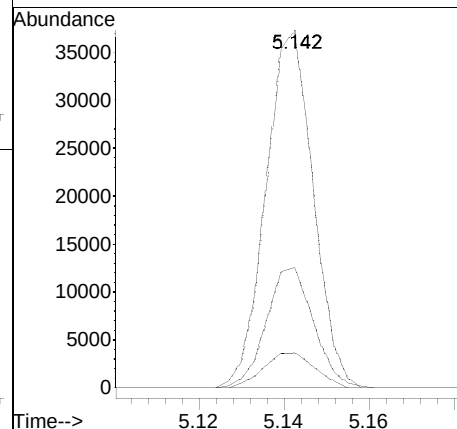
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	22953		
121	53.6		40.0	60.0
122	91.1		70.2	105.4

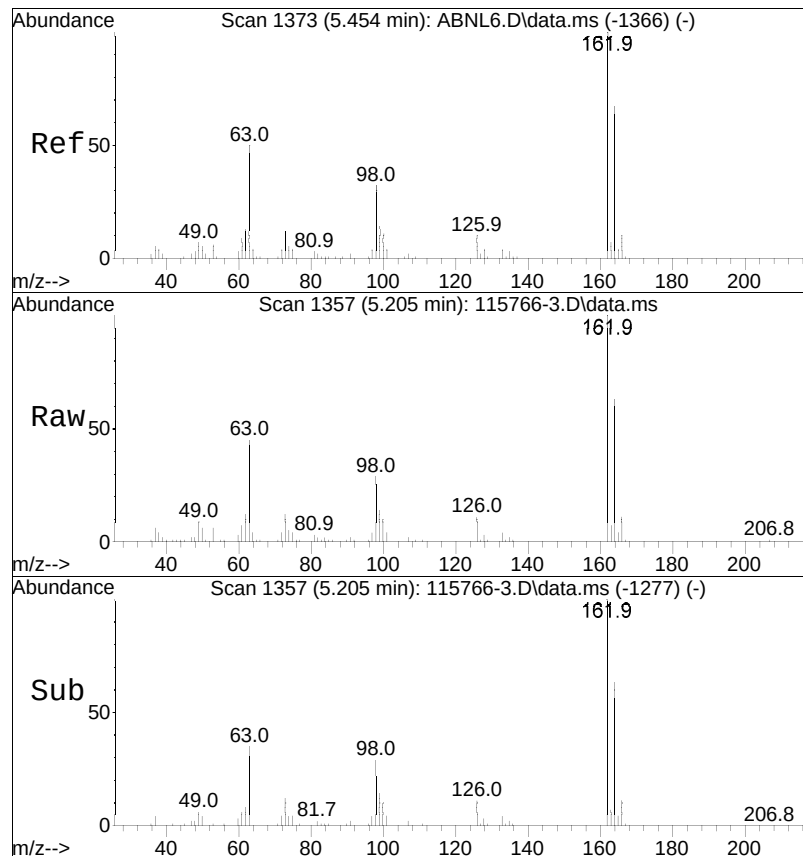




#24
 Bis(2-chloroethoxy)methane
 Concen: 1.44 ug/ml
 RT: 5.142 min Scan# 1337
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

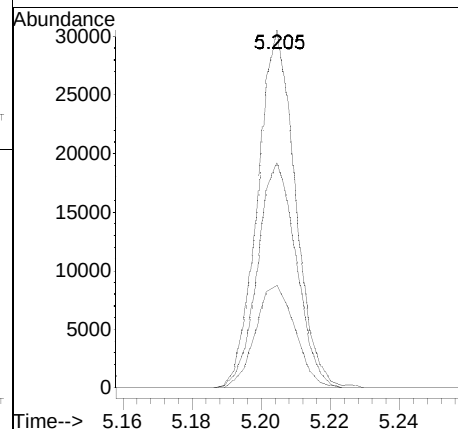
Tgt Ion:	93	Resp:	28504
Ion Ratio	Lower	Upper	
93	100		
95	33.8	25.8	38.8
123	10.8	10.1	15.1

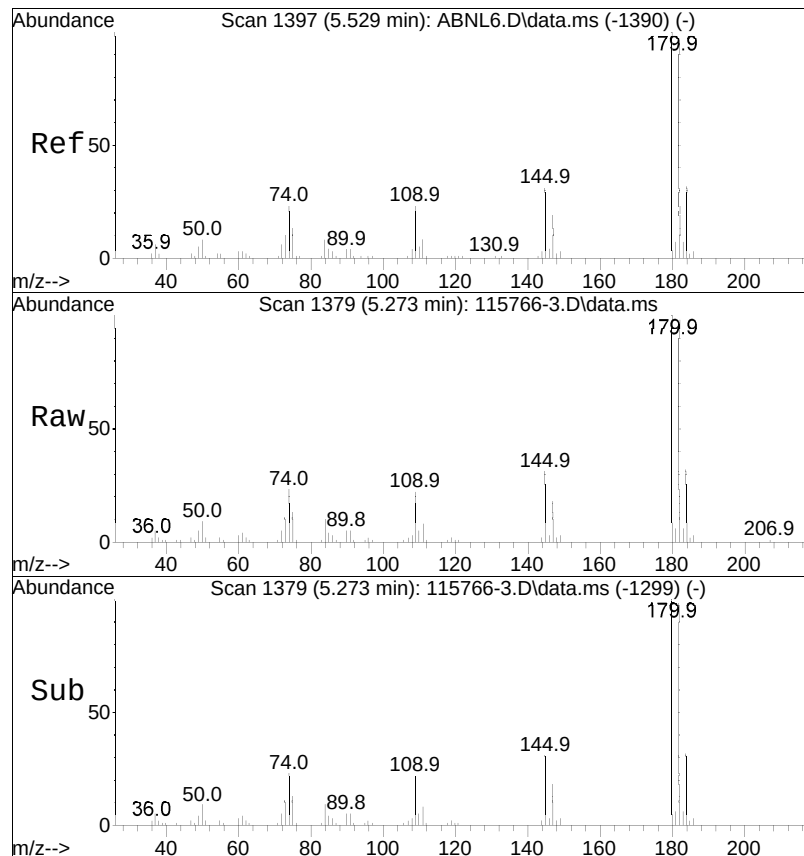




#25
 2,4-Dichlorophenol
 Concen: 1.54 ug/ml
 RT: 5.205 min Scan# 1357
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

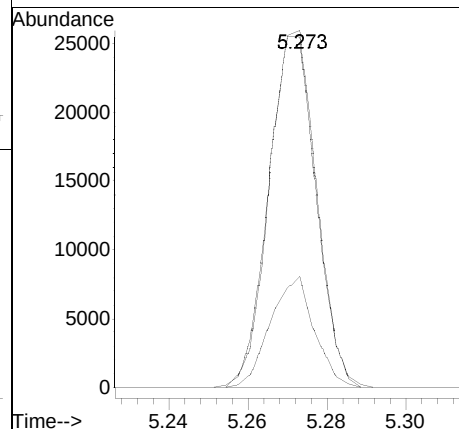
Tgt Ion:	162	Resp:	22945
Ion Ratio	Lower	Upper	
162	100		
164	65.0	51.0	76.4
98	30.3	32.2	48.2#

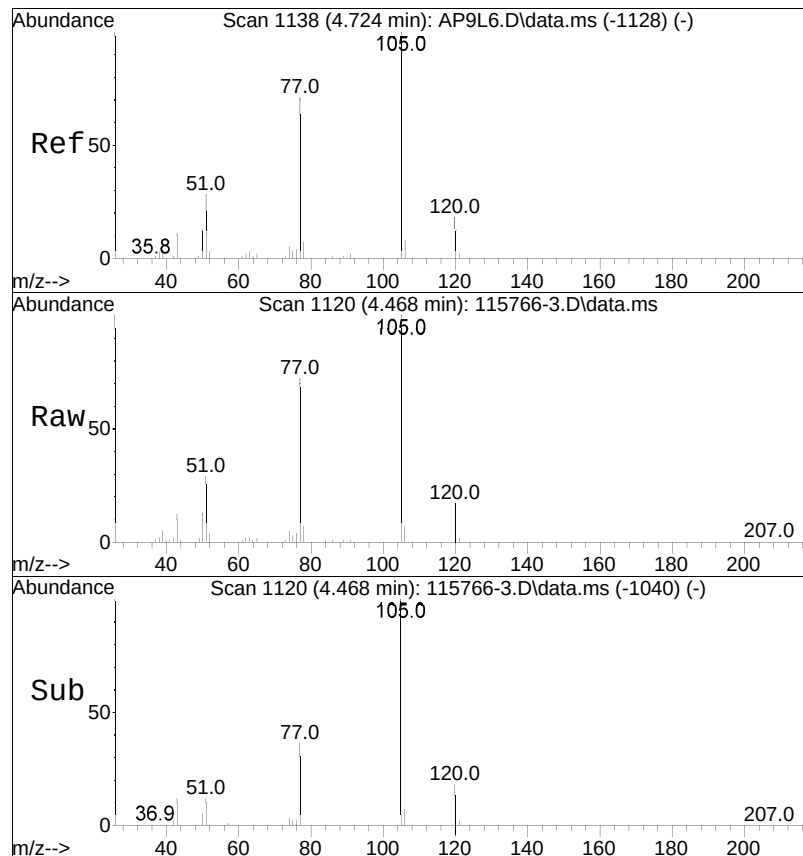




#26
 1,2,4-Trichlorobenzene
 Concen: 1.23 ug/ml
 RT: 5.273 min Scan# 1379
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

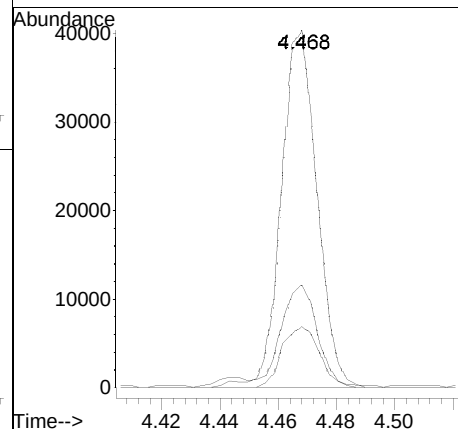
Tgt Ion:	180	Resp:	21566
Ion Ratio	Lower	Upper	
180	100		
182	97.7	76.0	114.0
145	28.9	25.7	38.5

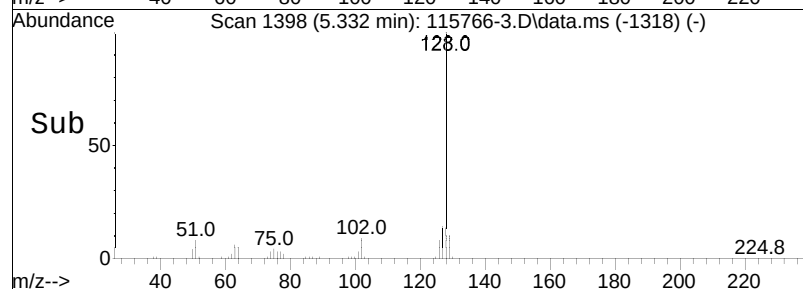
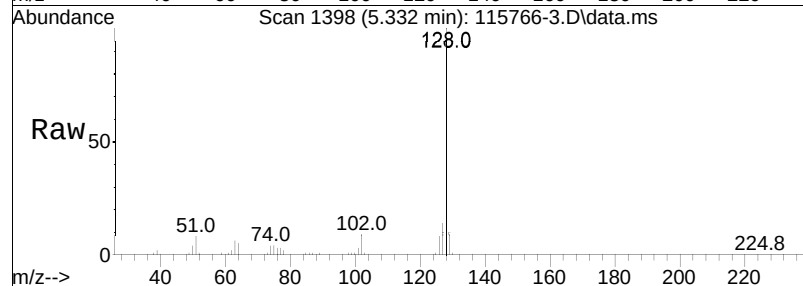
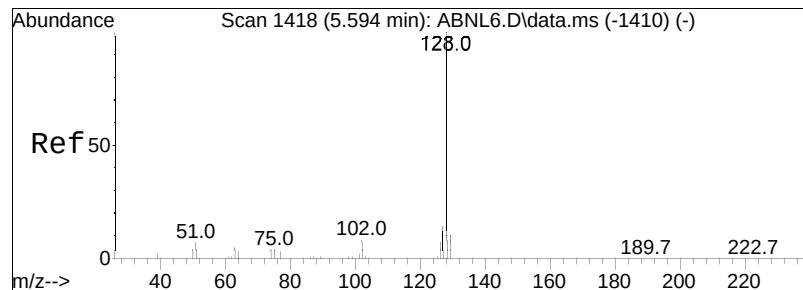




#29
 Acetophenone
 Concen: 1.40 ug/ml
 RT: 4.468 min Scan# 1120
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

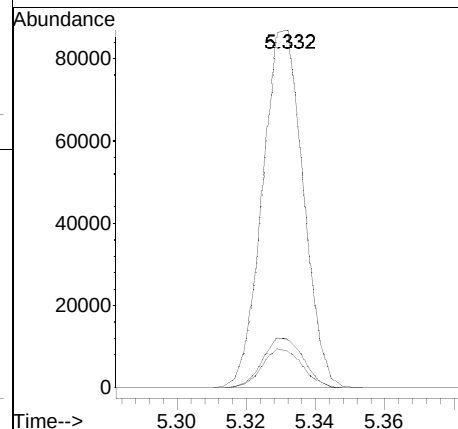
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	33925		
120	18.0	20.5	30.7#	
51	29.9	34.9	52.3#	

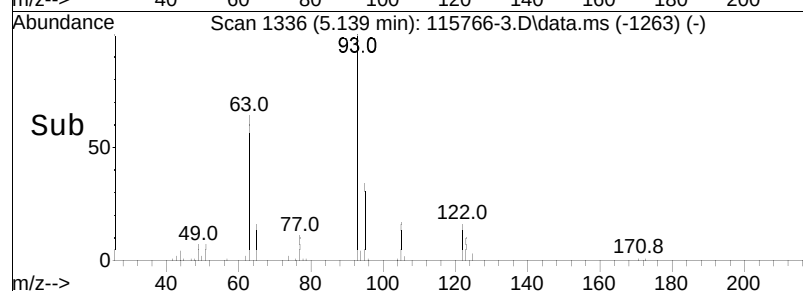
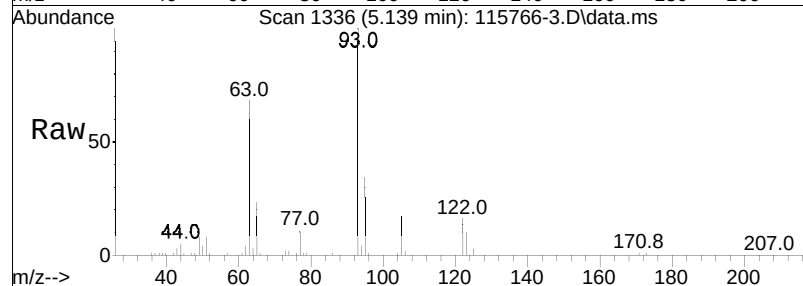
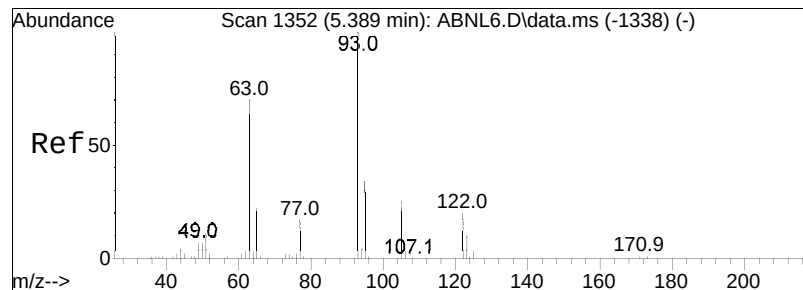




#36
Naphthalene
Concen: 1.31 ug/ml
RT: 5.332 min Scan# 1398
Delta R.T. 0.000 min
Lab File: 115766-3.D
Acq: 17 Sep 2025 11:57 am

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	14.0	10.3	15.5





#37

Benzoic Acid

Concen: 1.25 ug/ml

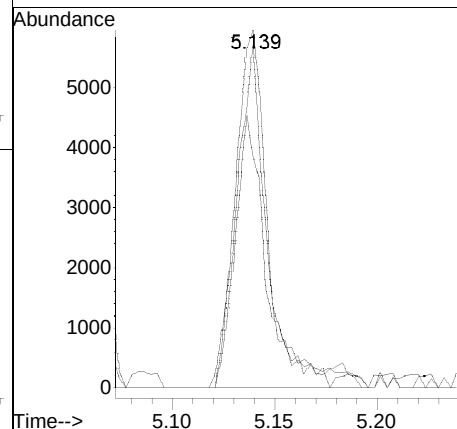
RT: 5.139 min Scan# 1336

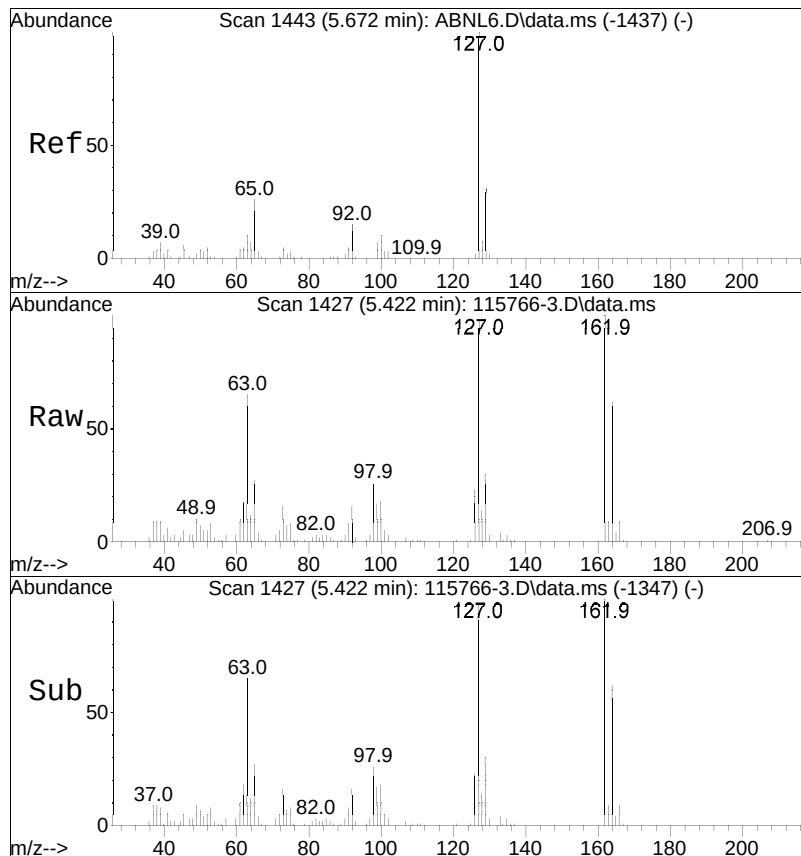
Delta R.T. -0.022 min

Lab File: 115766-3.D

Acq: 17 Sep 2025 11:57 am

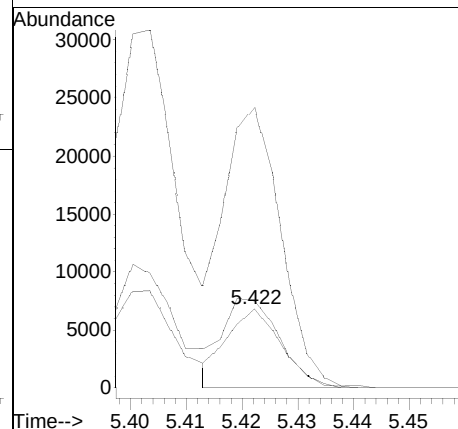
Tgt Ion:	105	Resp:	6827
Ion Ratio	Lower	Upper	
105	100		
122	83.2	59.9	89.9
77	69.8	60.1	90.1

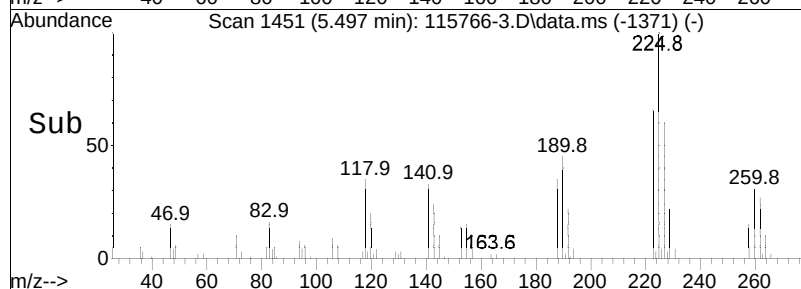
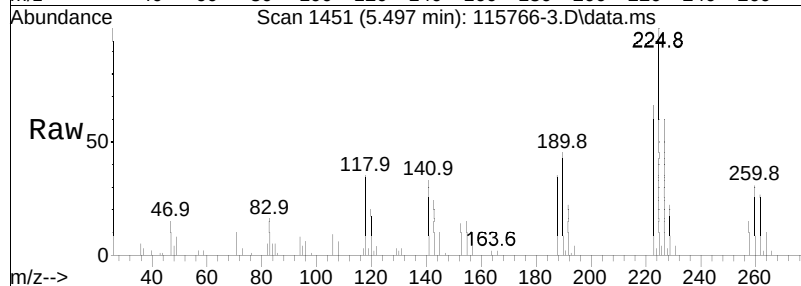
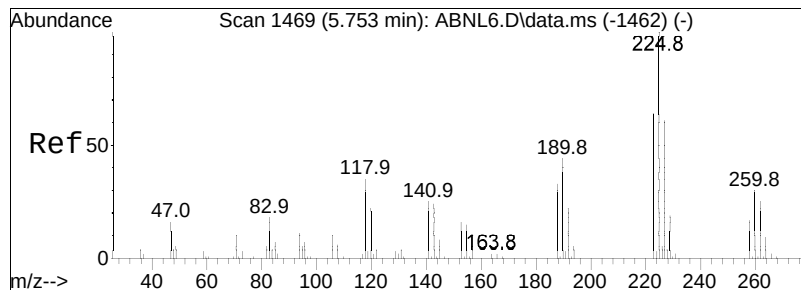




#38
 4-Chloroaniline
 Concen: 0.80 ug/ml M3
 RT: 5.422 min Scan# 1427
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

Tgt Ion:	65	Resp:	4659
Ion Ratio	Lower	Upper	
65	100		
127	546.1	237.6	356.4#
129	178.7	76.3	114.5#





#39

Hexachlorobutadiene

Concen: 1.21 ug/ml

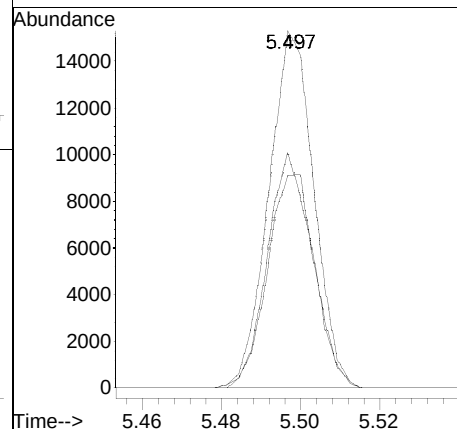
RT: 5.497 min Scan# 1451

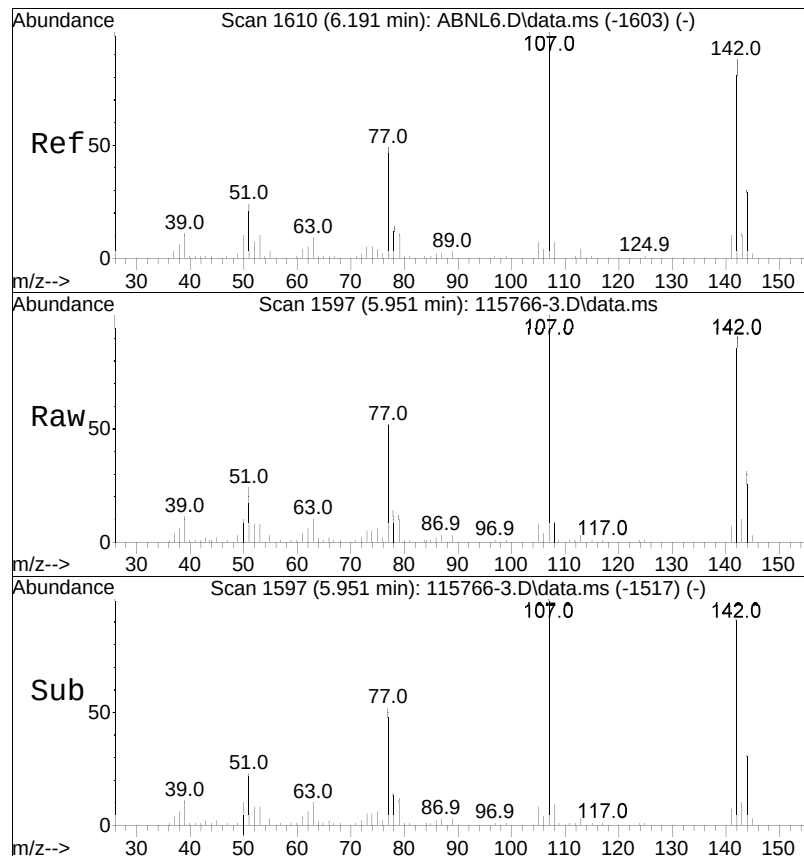
Delta R.T. 0.000 min

Lab File: 115766-3.D

Acq: 17 Sep 2025 11:57 am

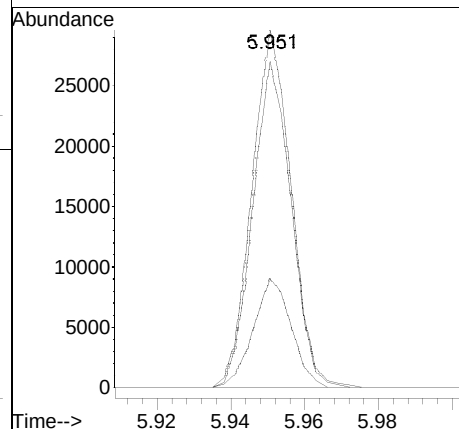
Tgt Ion:	225	Resp:	12105
Ion Ratio	Lower	Upper	
225	100		
223	65.7	50.3	75.5
227	63.5	52.2	78.2

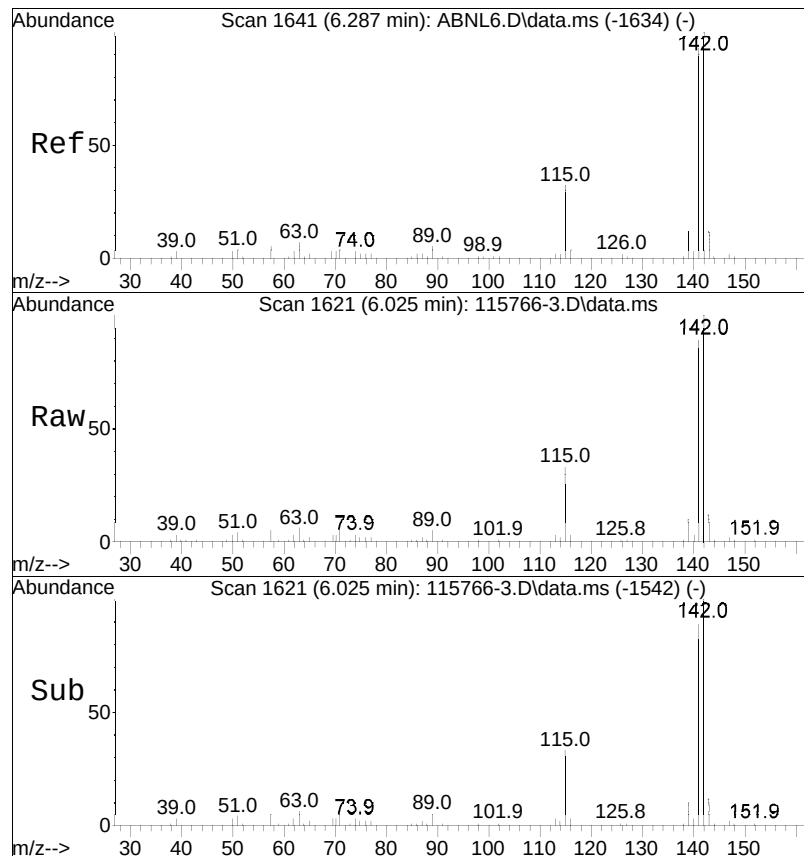




#40
 p-Chloro-m-cresol
 Concen: 1.53 ug/ml
 RT: 5.951 min Scan# 1597
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

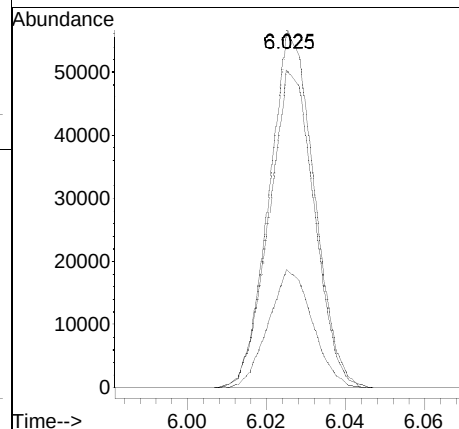
Tgt Ion:	107	Resp:	21665
Ion Ratio	Lower	Upper	
107	100		
144	29.6	20.9	31.3
142	89.0	66.1	99.1

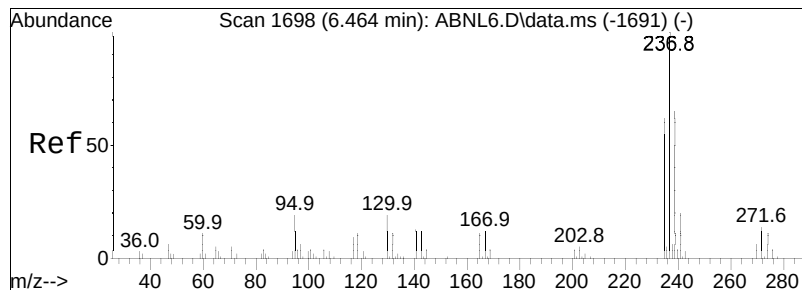




#41
 2-Methylnaphthalene
 Concen: 1.39 ug/ml
 RT: 6.025 min Scan# 1621
 Delta R.T. -0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

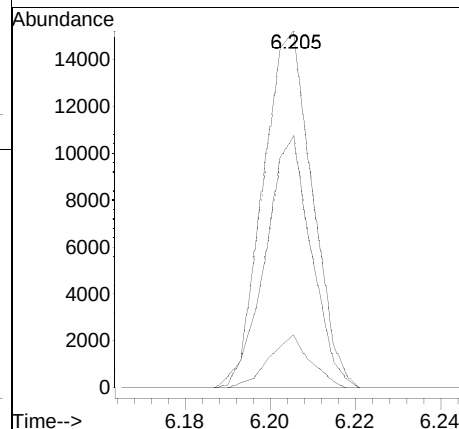
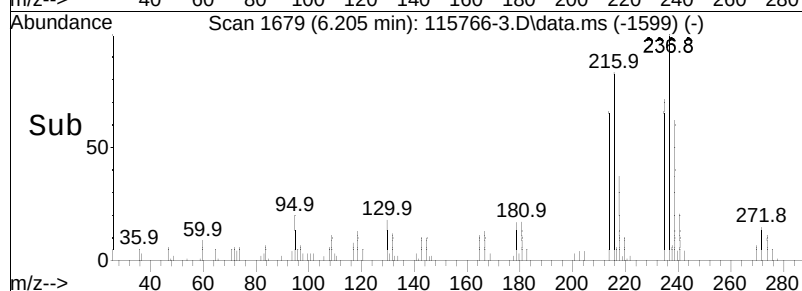
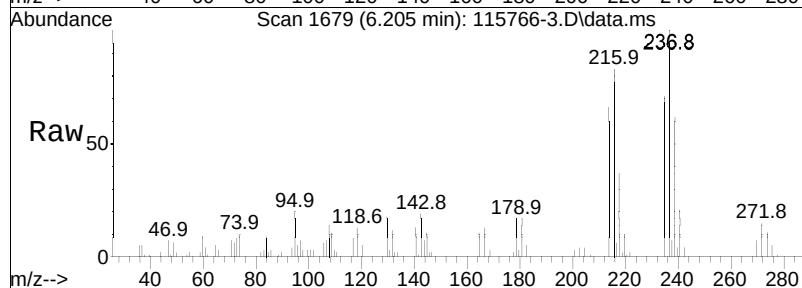
Tgt Ion:	142	Resp:	44298
Ion Ratio	Lower	Upper	
142	100		
141	89.6	69.6	104.4
115	32.6	26.6	40.0

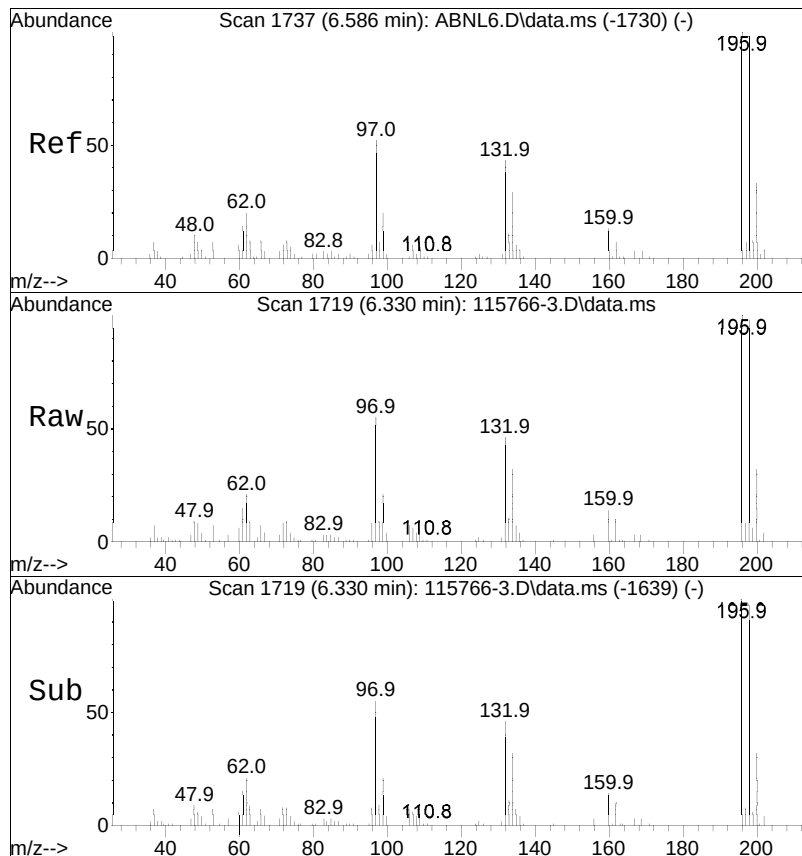




#43
 Hexachlorocyclopentadiene
 Concen: 0.96 ug/ml
 RT: 6.205 min Scan# 1679
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

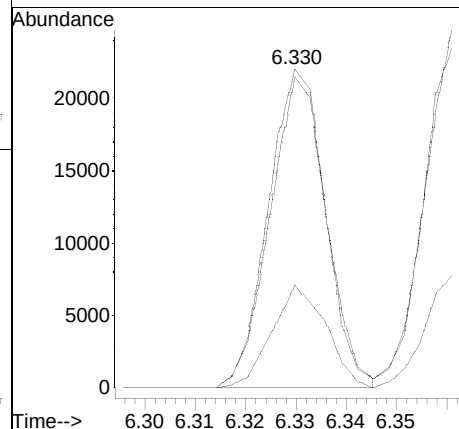
Tgt Ion:	237	Resp:	12199
Ion Ratio	Lower	Upper	
237	100		
235	65.8	49.7	74.5
272	12.5	9.8	14.6

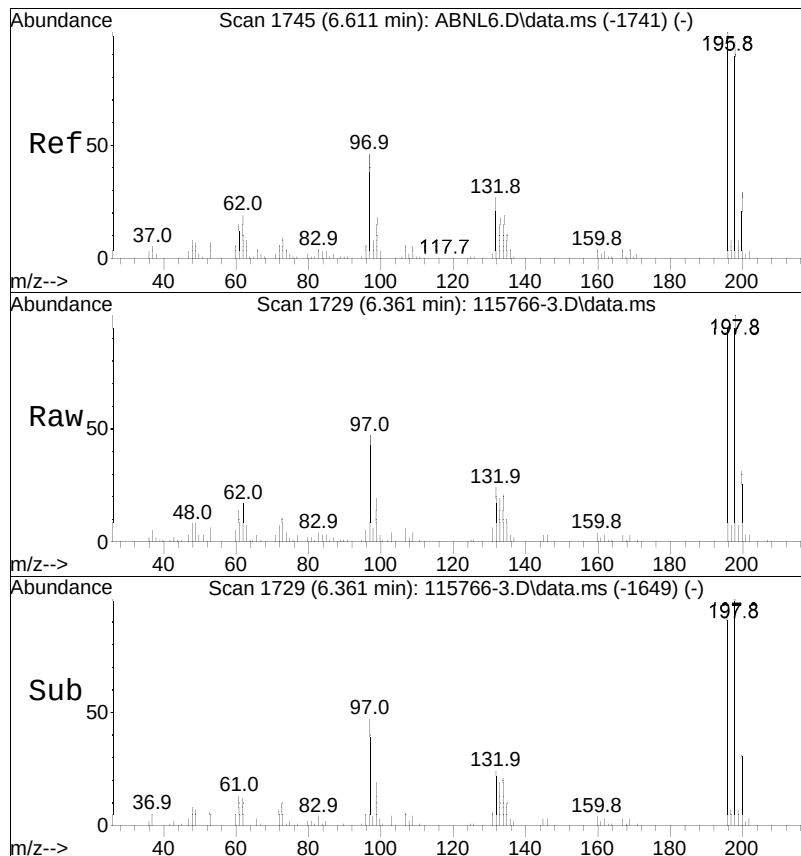




#44
 2,4,6-Trichlorophenol
 Concen: 1.63 ug/ml
 RT: 6.330 min Scan# 1719
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

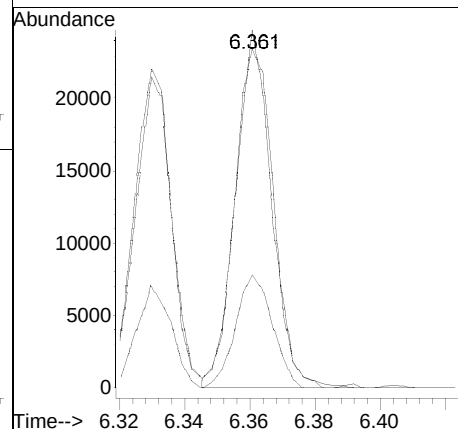
Tgt Ion:	196	Resp:	17299
Ion Ratio	Lower	Upper	
196	100		
198	96.6	77.5	116.3
200	30.5	23.8	35.6

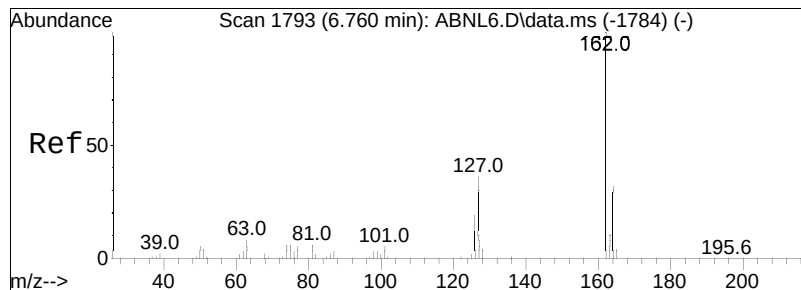




#45
 2,4,5-Trichlorophenol
 Concen: 1.63 ug/ml
 RT: 6.361 min Scan# 1729
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

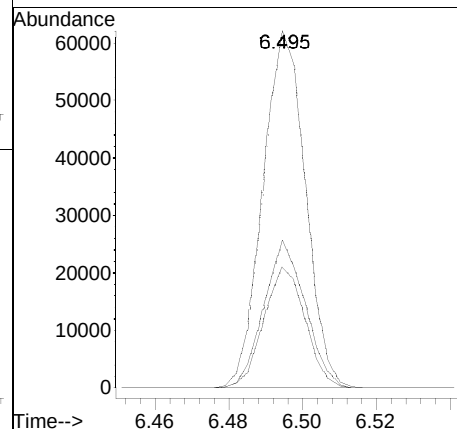
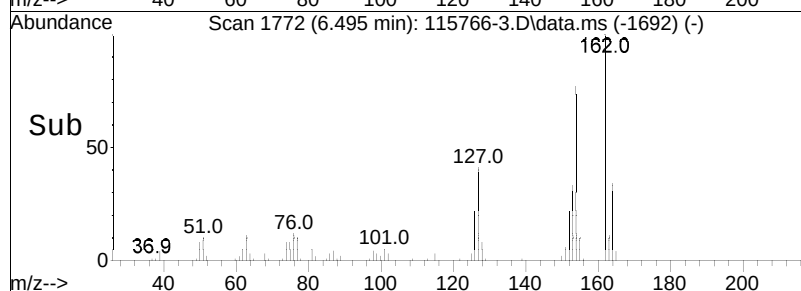
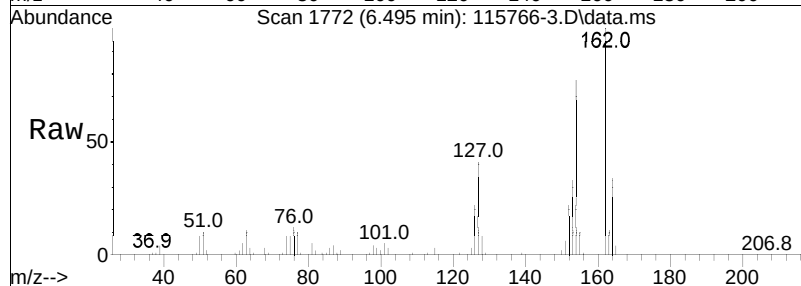
Tgt Ion:	196	Resp:	19493
Ion Ratio	Lower	Upper	
196	100		
200	31.4	25.4	38.0
198	96.5	78.0	117.0

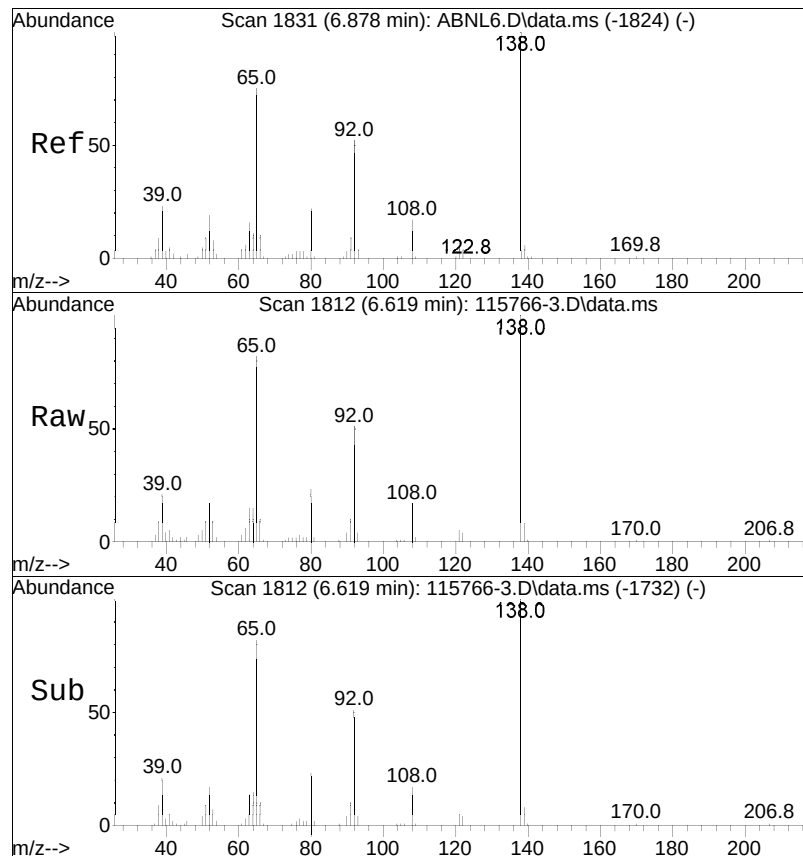




#47
 2-Chloronaphthalene
 Concen: 1.37 ug/ml
 RT: 6.495 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

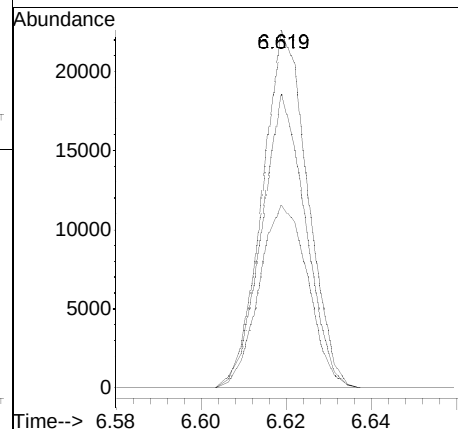
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	49470		
127	40.2		32.2	48.4
164	33.0		25.7	38.5

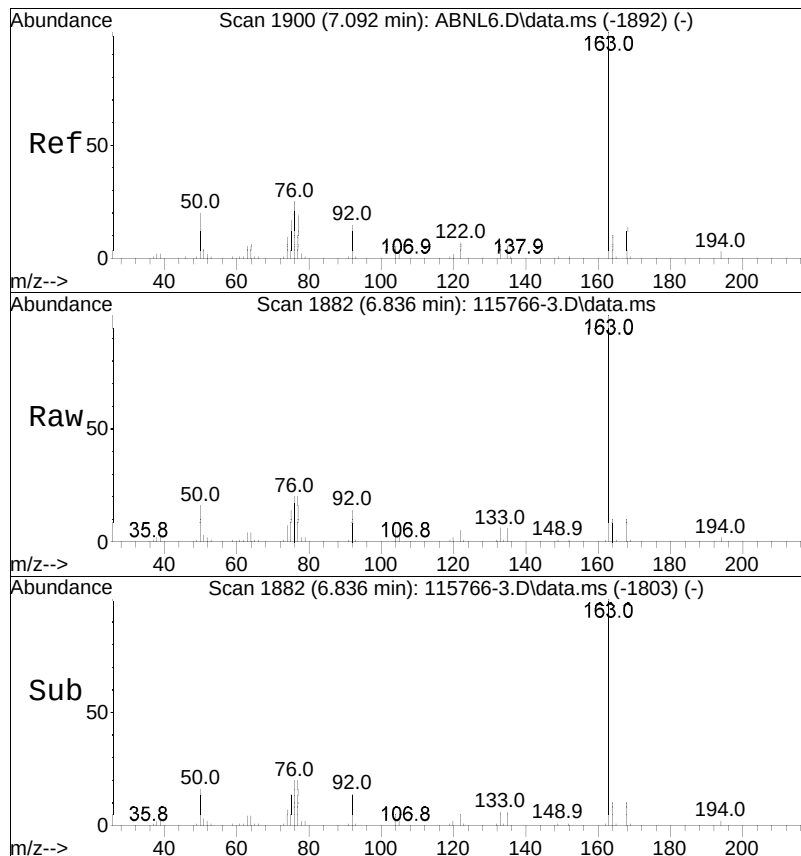




#48
 2-Nitroaniline
 Concen: 1.62 ug/ml
 RT: 6.619 min Scan# 1812
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

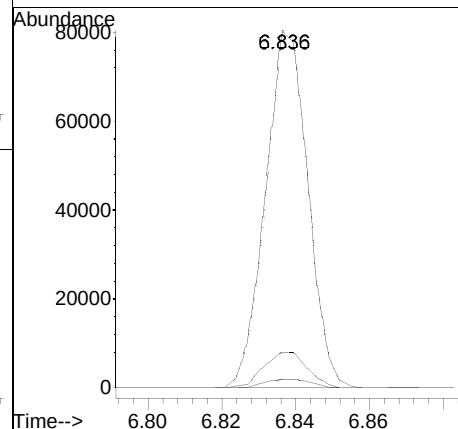
Tgt Ion:	138	Resp:	16647
Ion Ratio	Lower	Upper	
138	100		
92	55.1	53.5	80.3
65	79.7	86.3	129.5#

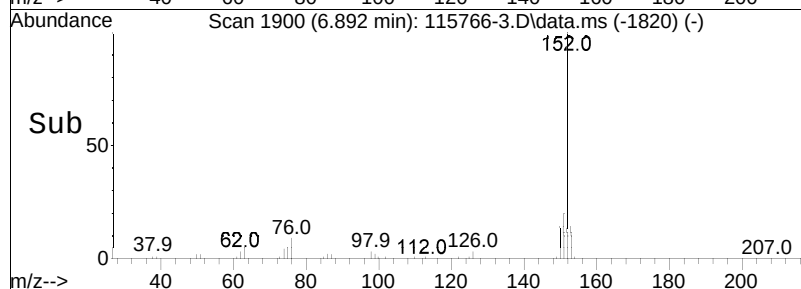
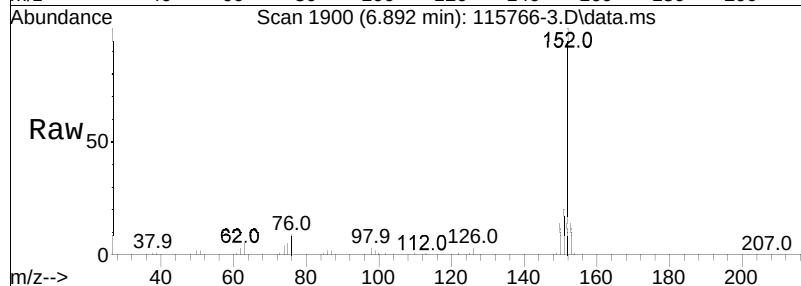
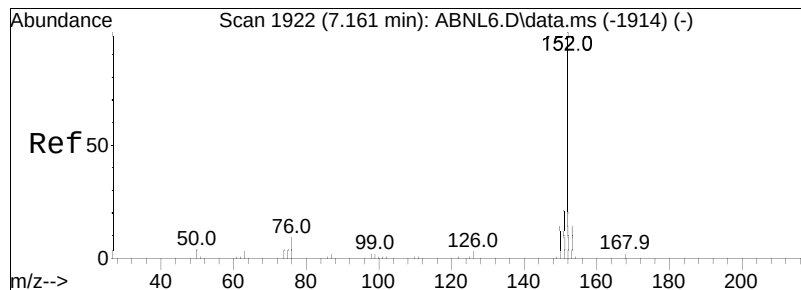




#51
 Dimethyl phthalate
 Concen: 1.49 ug/ml
 RT: 6.836 min Scan# 1882
 Delta R.T. -0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

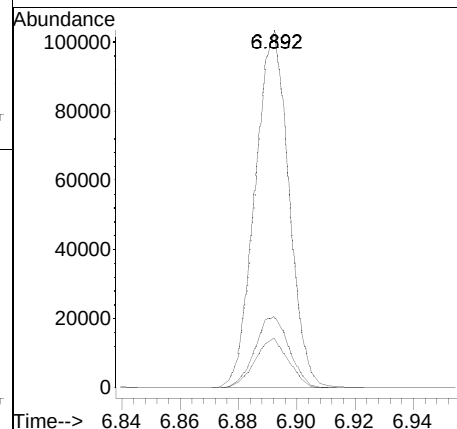
Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.7	3.5	5.3#
164	10.5	7.9	11.9

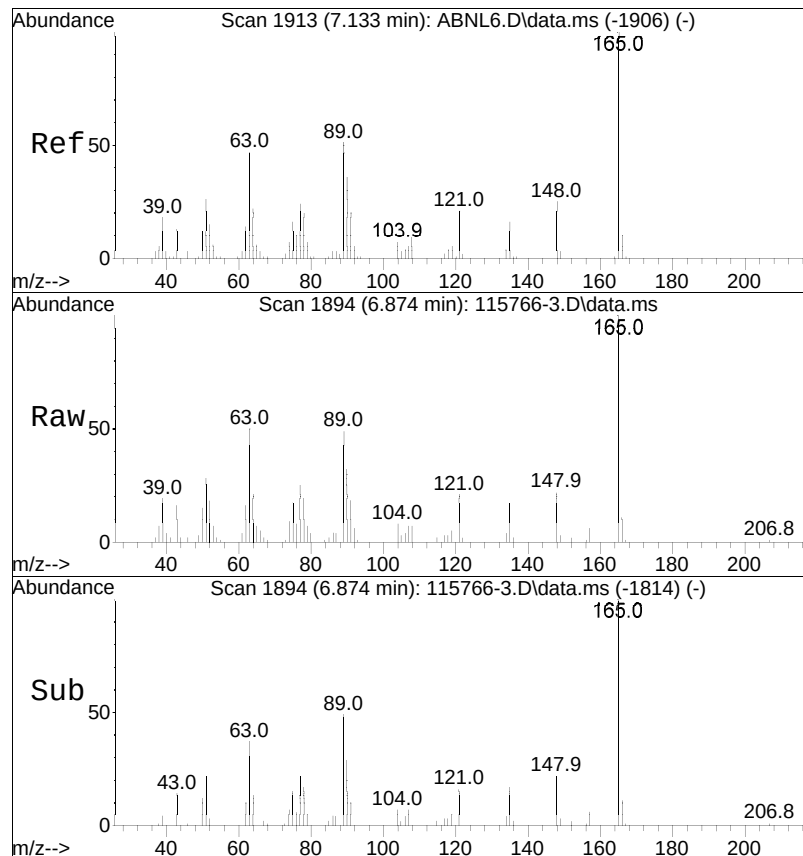




#52
 Acenaphthylene
 Concen: 1.42 ug/ml
 RT: 6.892 min Scan# 1900
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

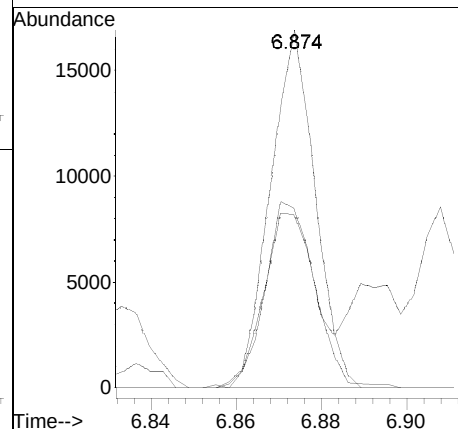
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.6
153	13.8	10.5	15.7

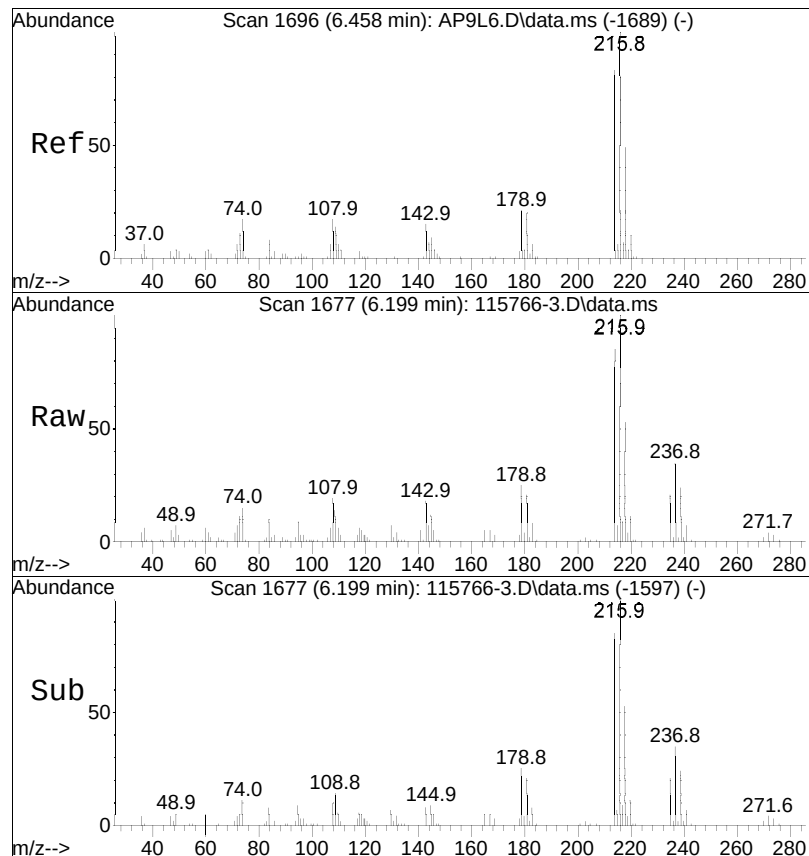




#53
 2,6-Dinitrotoluene
 Concen: 1.49 ug/ml
 RT: 6.874 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

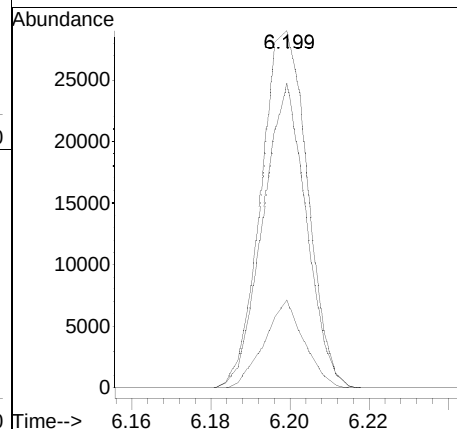
Tgt	Ion:165	Resp:	12387
Ion	Ratio	Lower	Upper
165	100		
89	56.1	54.2	81.2
63	58.2	64.2	96.2#

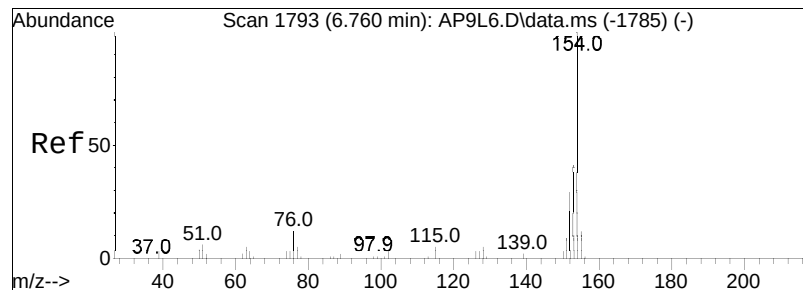




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.27 ug/ml
 RT: 6.199 min Scan# 1677
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

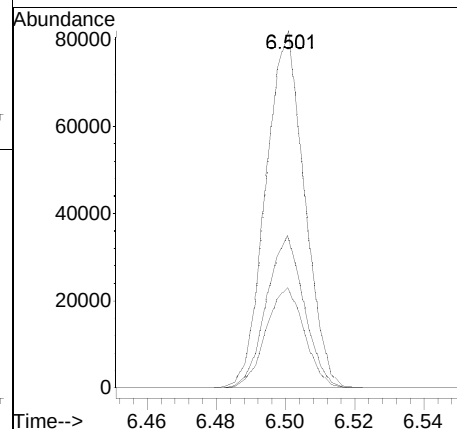
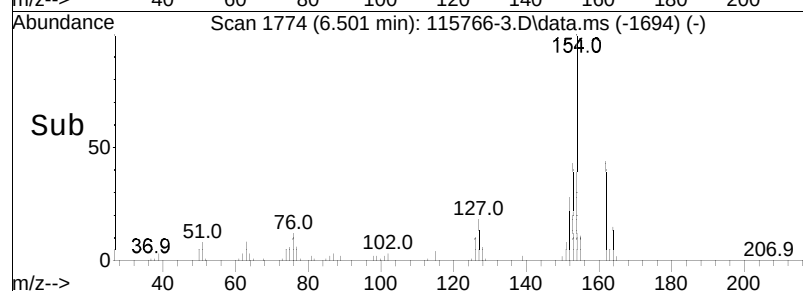
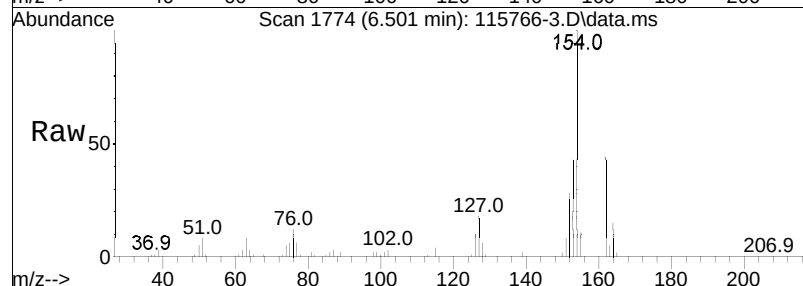
Tgt Ion:	216	Resp:	23557
Ion Ratio	Lower	Upper	
216	100		
214	79.8	63.7	95.5
179	21.1	19.0	28.6

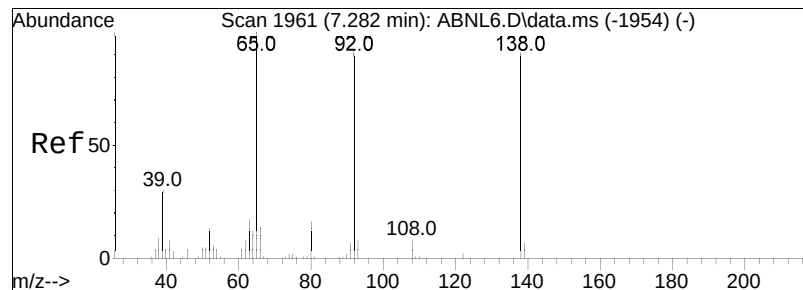




#62
 Biphenyl
 Concen: 1.36 ug/ml
 RT: 6.501 min Scan# 1774
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

Tgt Ion:	154	Resp:	63160
Ion Ratio	Lower	Upper	
154	100		
153	41.7	32.3	48.5
152	28.1	22.5	33.7





#64

3-Nitroaniline

Concen: 1.31 ug/ml

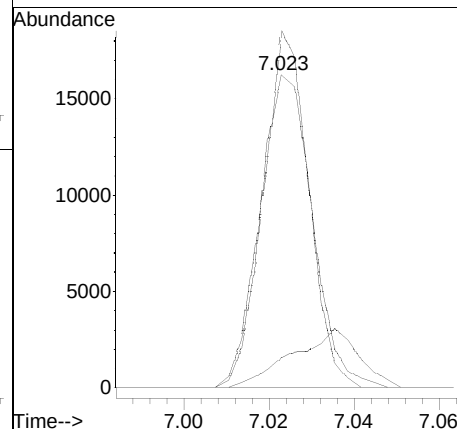
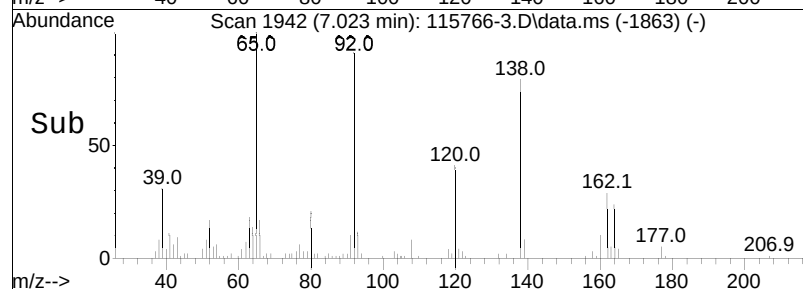
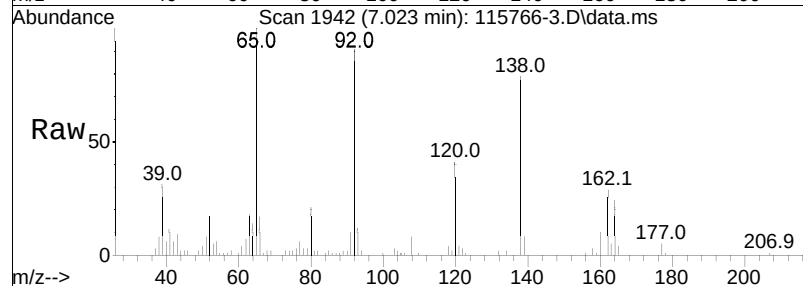
RT: 7.023 min Scan# 1942

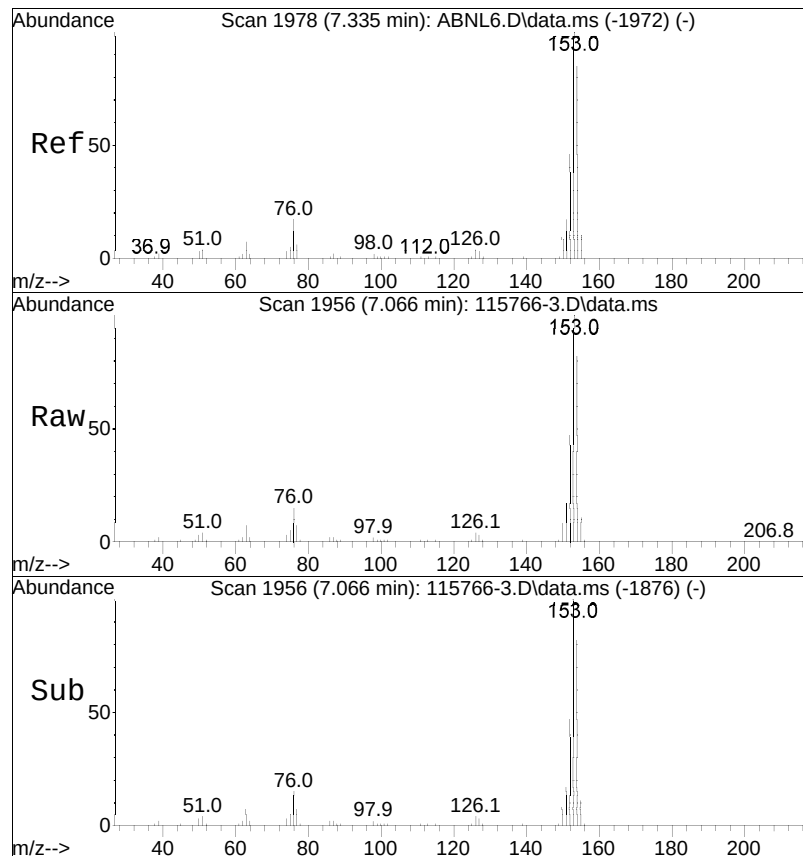
Delta R.T. -0.003 min

Lab File: 115766-3.D

Acq: 17 Sep 2025 11:57 am

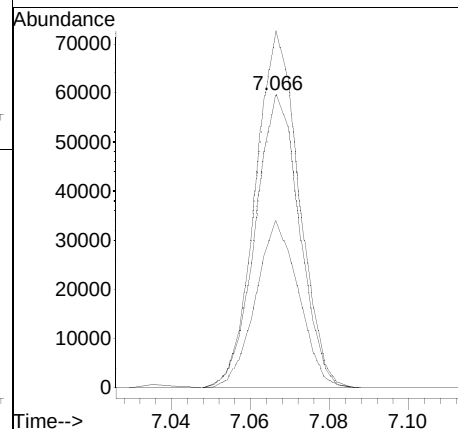
Tgt Ion	Ratio	Lower	Upper
138	100		
92	109.9	93.4	140.2
108	25.3	9.5	14.3#

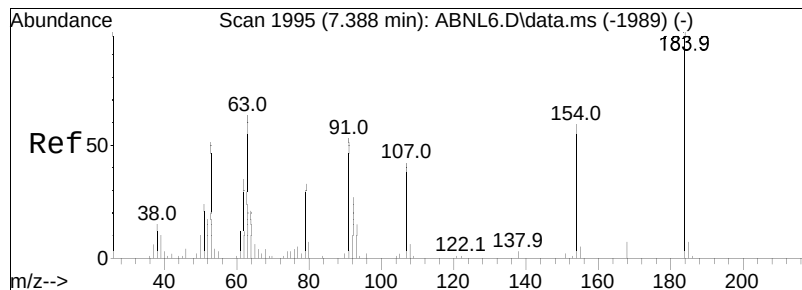




#65
 Acenaphthene
 Concen: 1.39 ug/ml
 RT: 7.066 min Scan# 1956
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

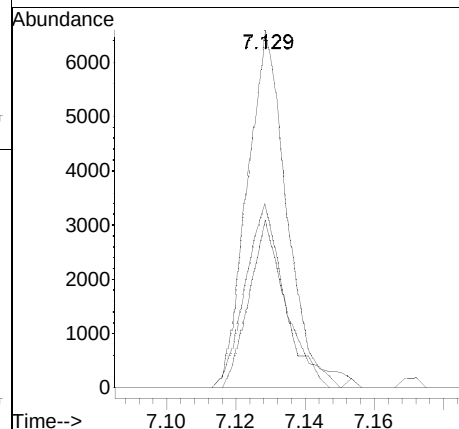
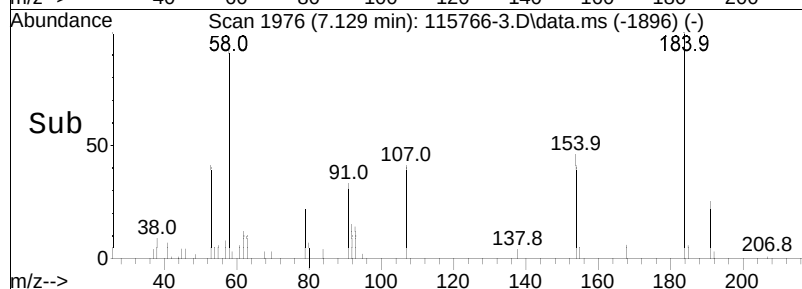
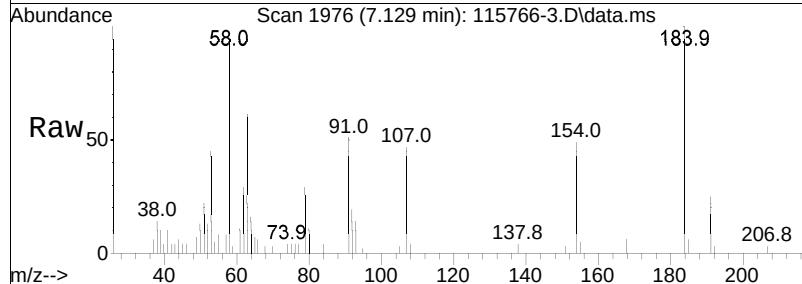
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	46317		
153	120.2		85.3	127.9
152	55.8		41.4	62.0

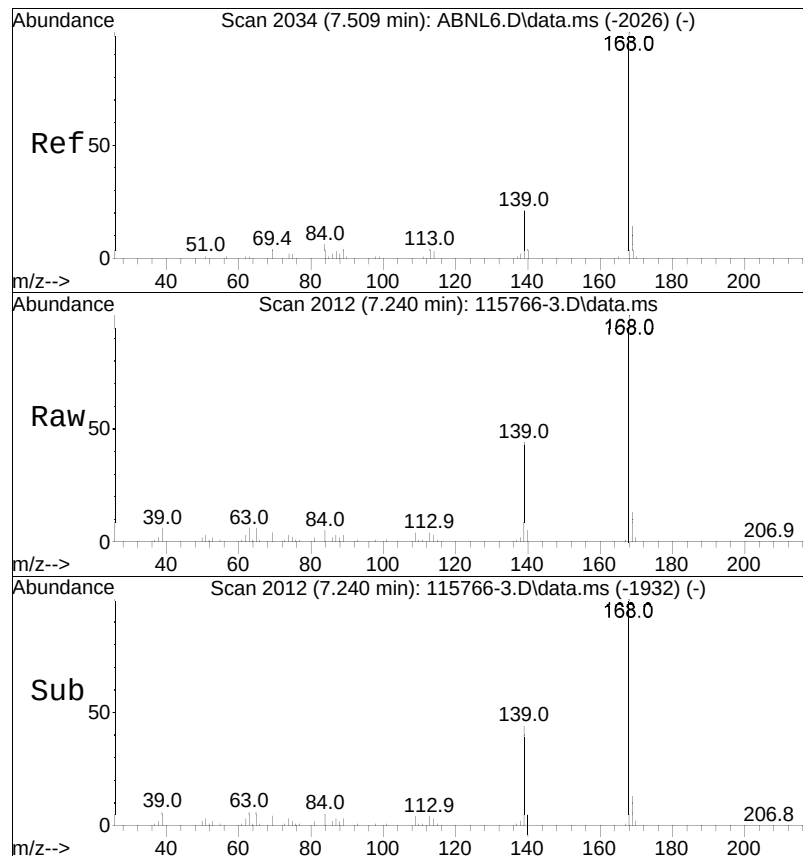




#66
 2,4-Dinitrophenol
 Concen: 1.08 ug/ml
 RT: 7.129 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

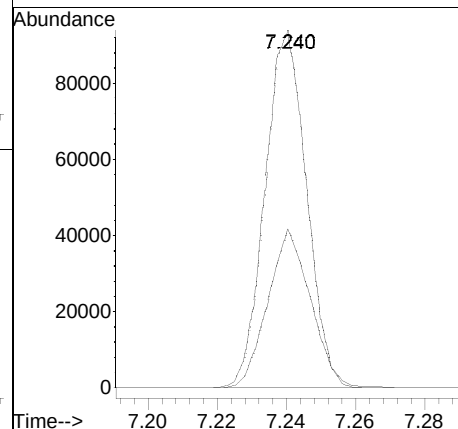
Tgt Ion	Ratio	Lower	Upper
184	100		
107	42.3	37.7	56.5
91	52.6	46.3	69.5

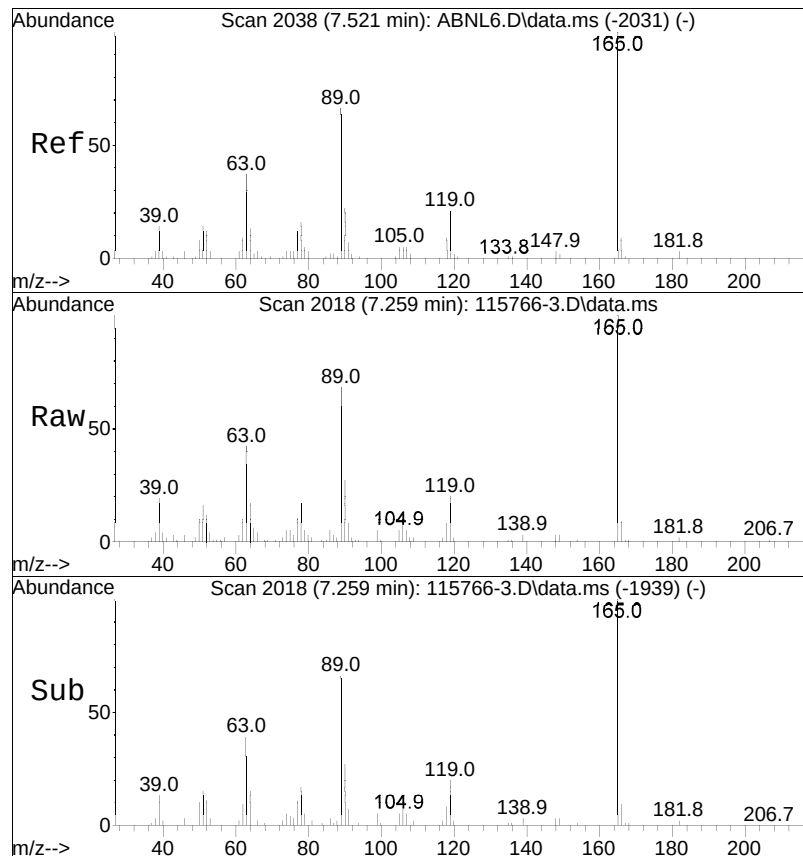




#67
 Dibenzofuran
 Concen: 1.42 ug/ml
 RT: 7.240 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

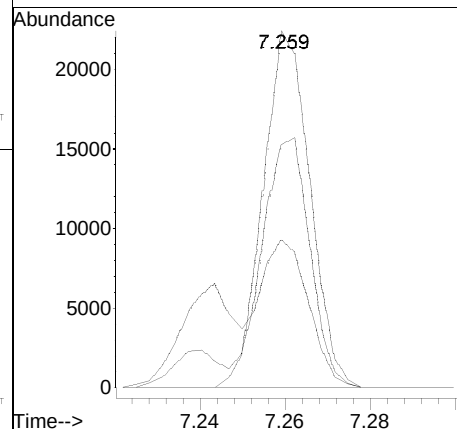
Tgt Ion	Ratio	Lower	Upper
168	100		
139	46.1	31.4	47.2

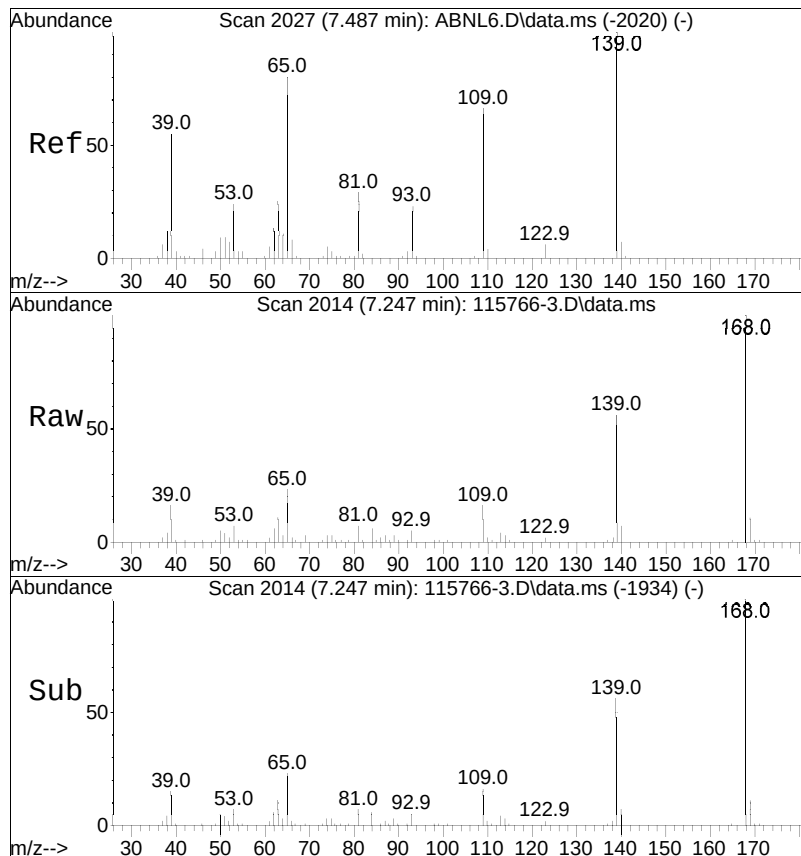




#68
 2,4-Dinitrotoluene
 Concen: 1.51 ug/ml
 RT: 7.259 min Scan# 2018
 Delta R.T. -0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

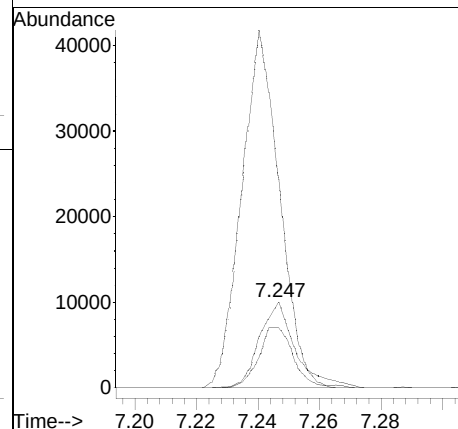
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	17118		
89	71.0		72.0	108.0#
63	43.1		52.7	79.1#

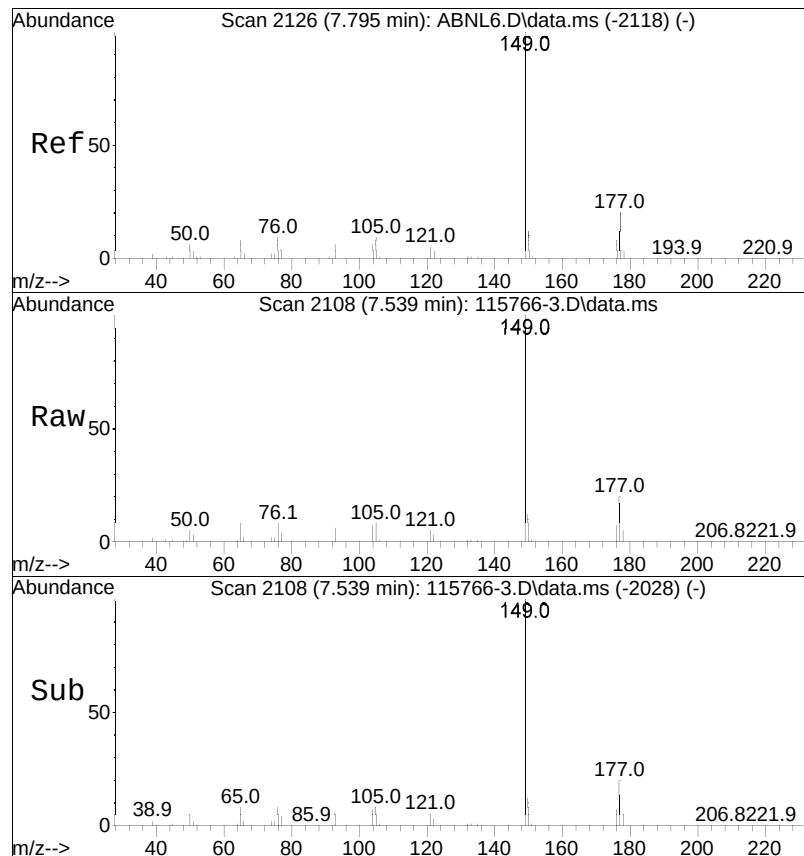




#69
 4-Nitrophenol
 Concen: 1.17 ug/ml
 RT: 7.247 min Scan# 2014
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

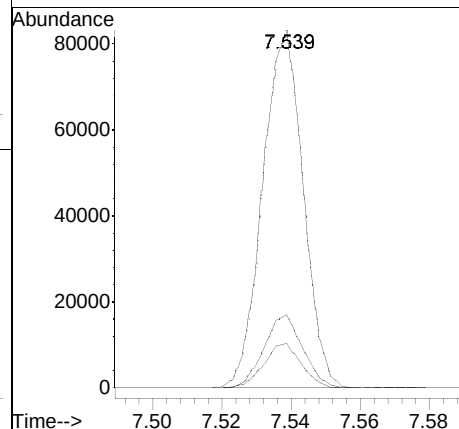
Tgt Ion:	65	Resp:	8190
Ion Ratio	Lower	Upper	
65	100		
109	67.0	47.4	71.2
139	433.9	76.6	115.0#

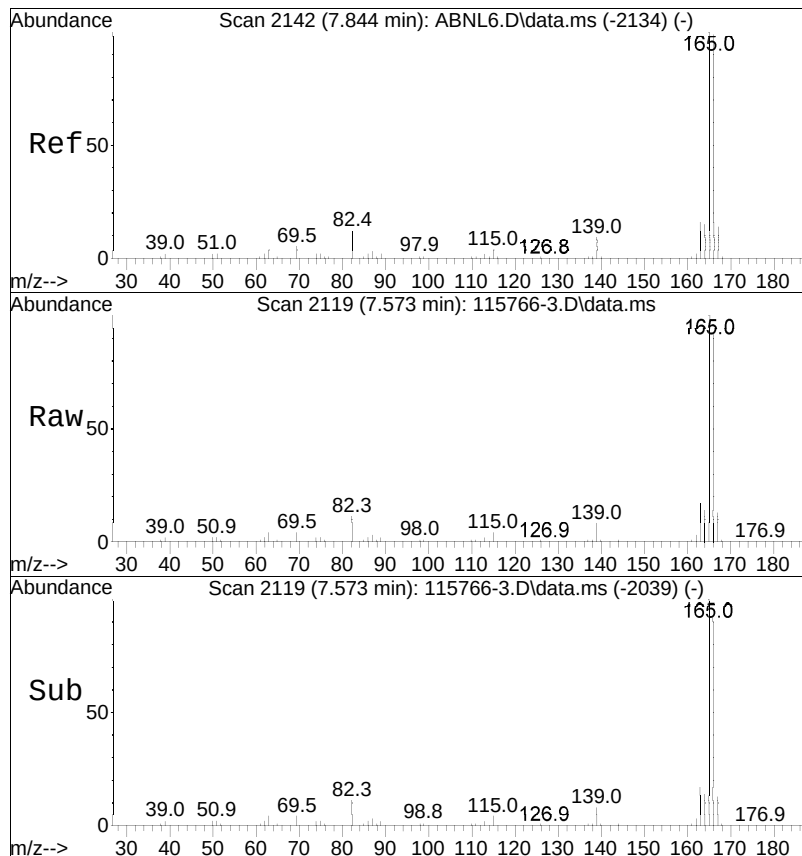




#72
 Diethyl phthalate
 Concen: 1.50 ug/ml
 RT: 7.539 min Scan# 2108
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

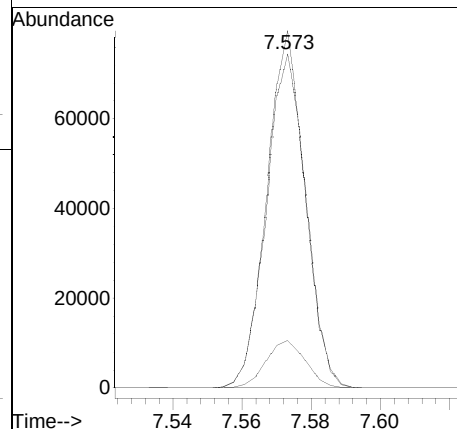
Tgt Ion:	149	Resp:	66890
Ion Ratio	Lower	Upper	
149	100		
177	19.7	16.1	24.1
150	11.7	9.4	14.2

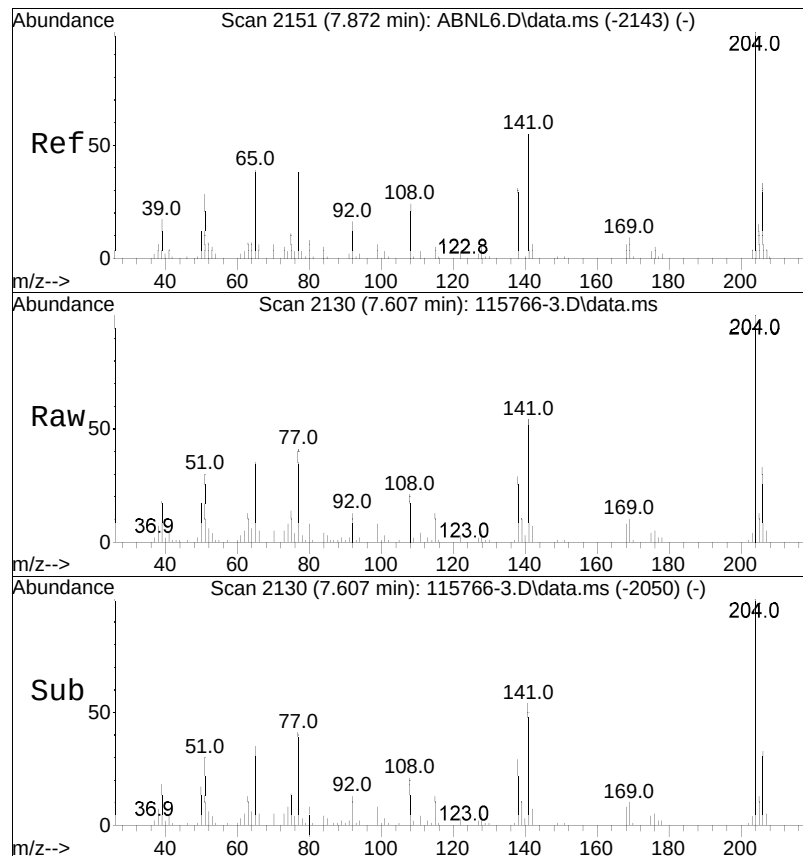




#73
 Fluorene
 Concen: 1.38 ug/ml
 RT: 7.573 min Scan# 2119
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

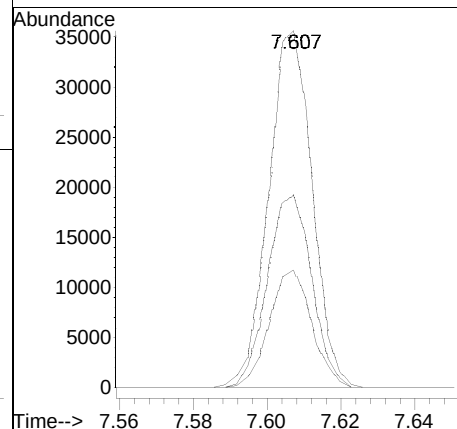
Tgt Ion:	166	Resp:	58890
Ion Ratio	Lower	Upper	
166	100		
165	104.0	76.2	114.2
167	14.3	10.6	15.8

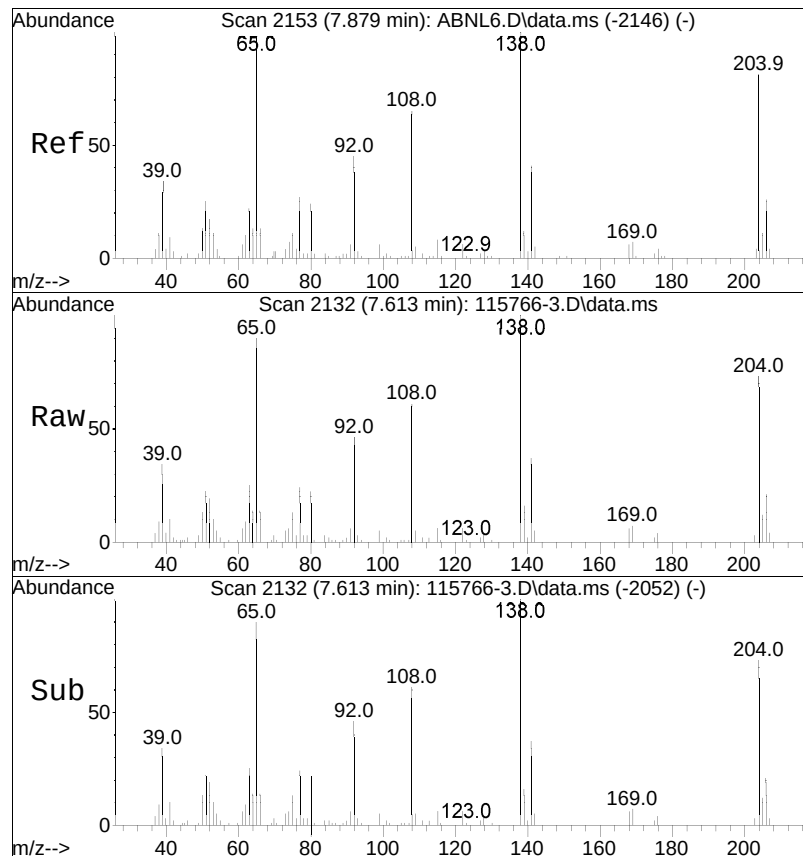




#74
 4-Chlorophenyl phenyl ether
 Concen: 1.44 ug/ml
 RT: 7.607 min Scan# 2130
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

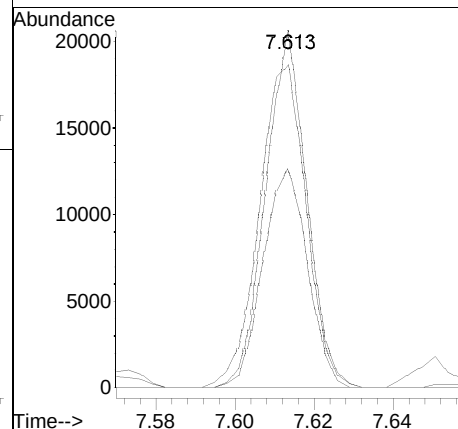
Tgt Ion:	204	Resp:	29075
Ion Ratio	Lower	Upper	
204	100		
206	32.2	25.8	38.6
141	55.0	53.6	80.4

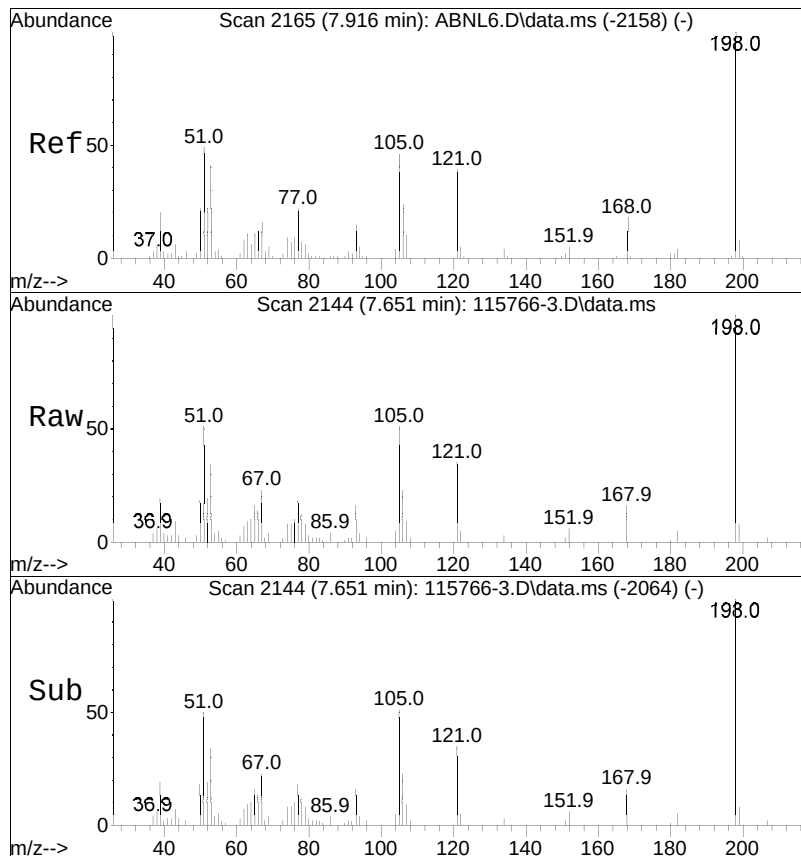




#75
 4-Nitroaniline
 Concen: 1.50 ug/ml
 RT: 7.613 min Scan# 2132
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

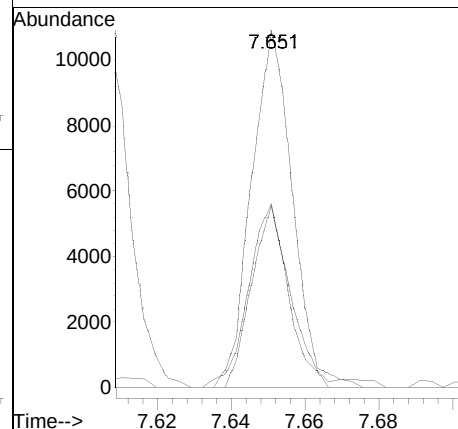
Tgt Ion	Ratio	Lower	Upper
138	100		
108	66.5	52.1	78.1
65	103.5	115.0	172.6#

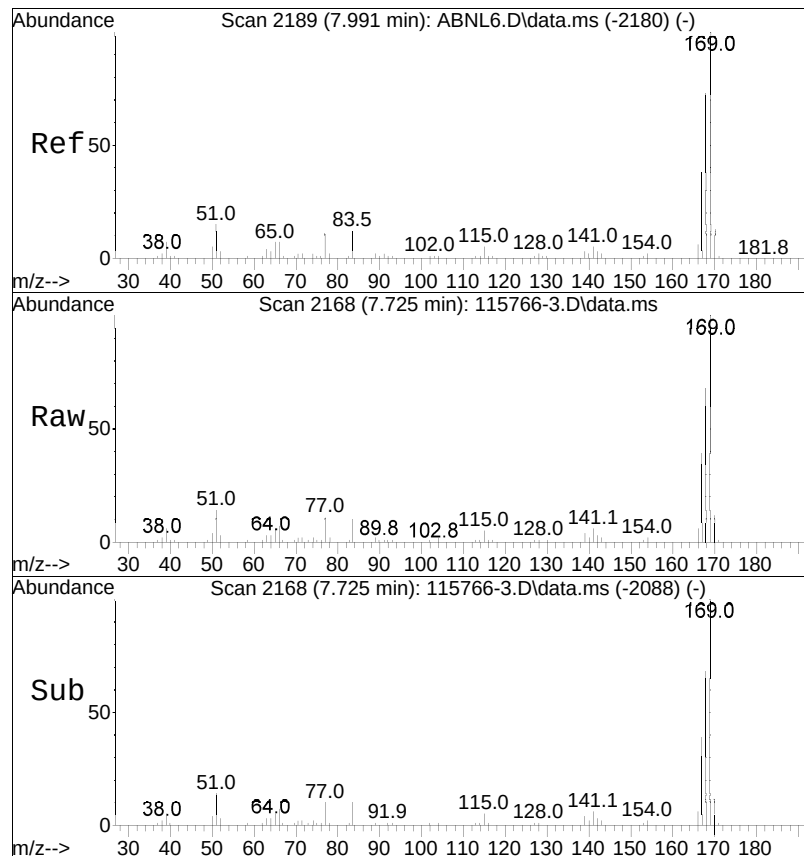




#76
 4,6-Dinitro-o-cresol
 Concen: 1.34 ug/ml
 RT: 7.651 min Scan# 2144
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

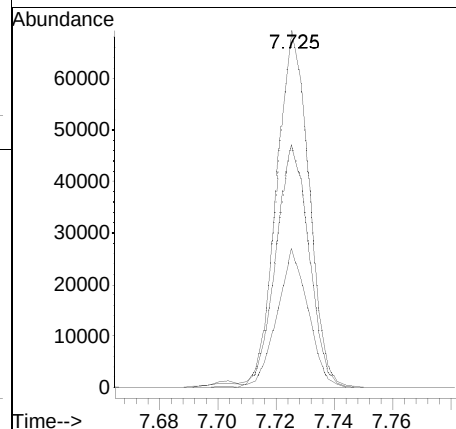
Tgt Ion:	198	Resp:	8428
Ion Ratio	Lower	Upper	
198	100		
51	52.6	76.0	114.0#
105	45.6	45.6	68.4

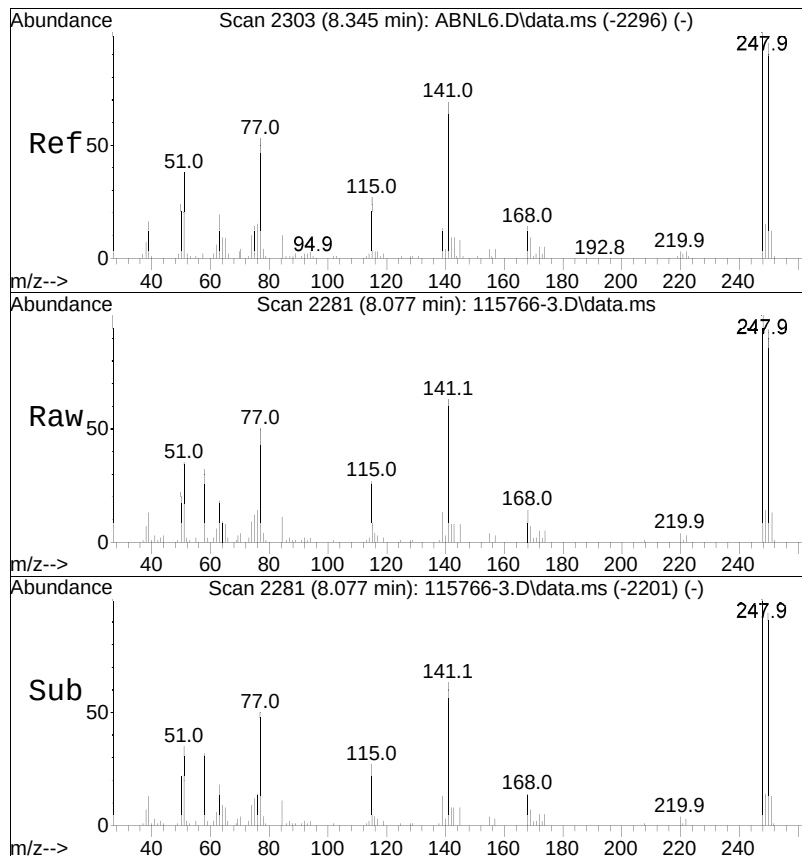




#77
 NDPA/DPA
 Concen: 1.50 ug/ml
 RT: 7.725 min Scan# 2168
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

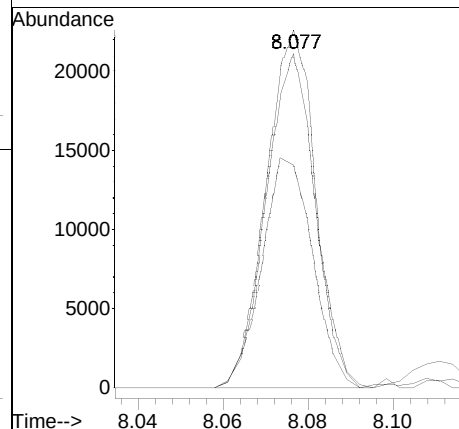
Tgt Ion	Ratio	Lower	Upper
169	100		
168	70.9	54.0	81.0
167	37.2	28.6	42.8

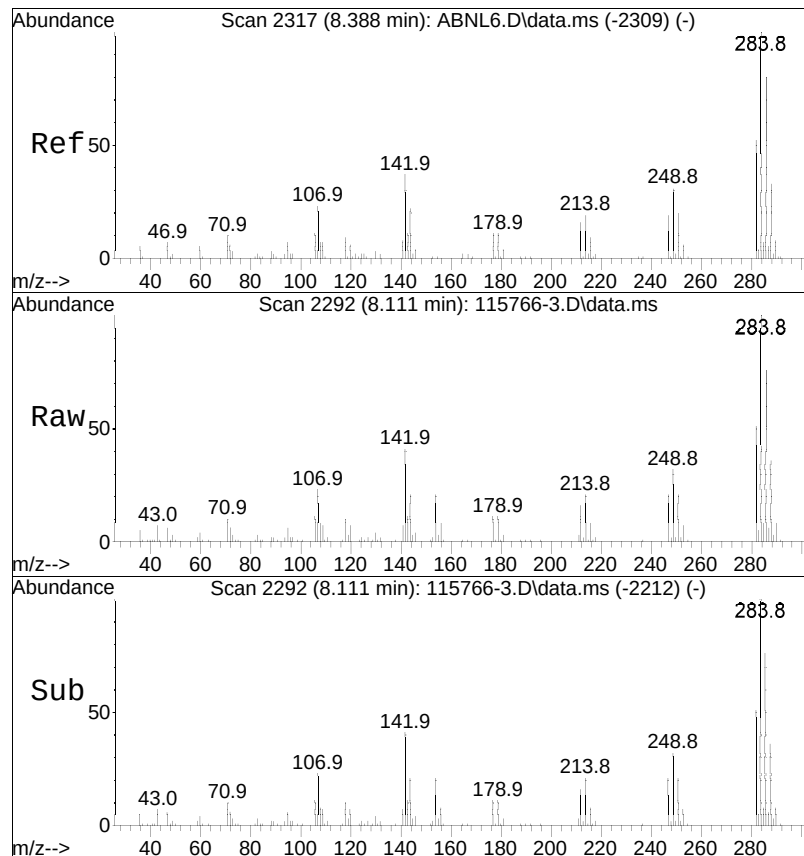




#80
 4-Bromophenyl phenyl ether
 Concen: 1.46 ug/ml
 RT: 8.077 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

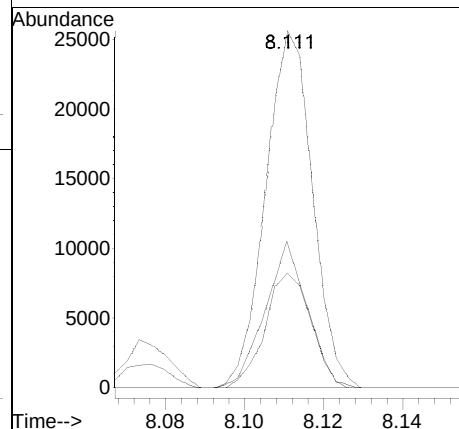
Tgt	Ion:248	Resp:	18273
Ion	Ratio	Lower	Upper
248	100		
141	65.6	76.6	114.8#
250	91.3	77.3	115.9

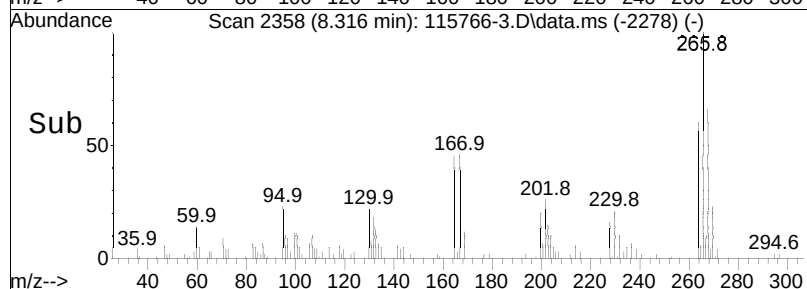
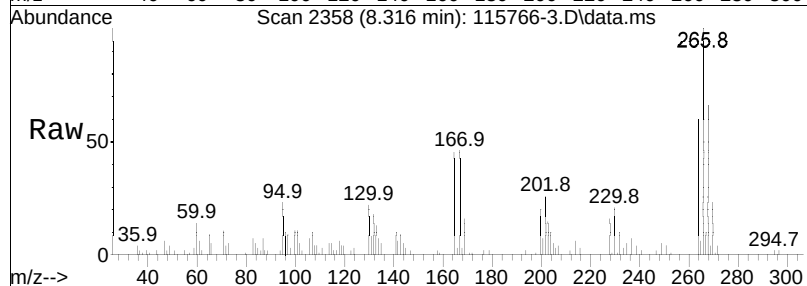
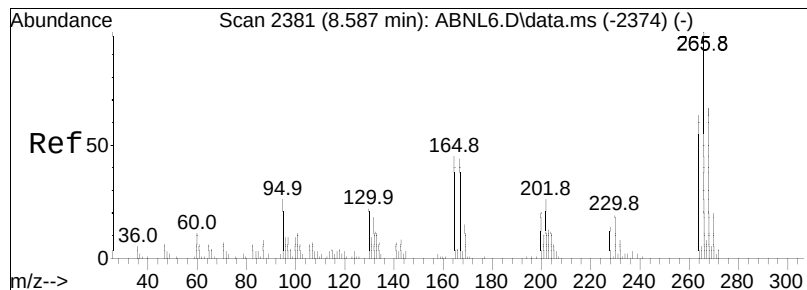




#81
 Hexachlorobenzene
 Concen: 1.50 ug/ml
 RT: 8.111 min Scan# 2292
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

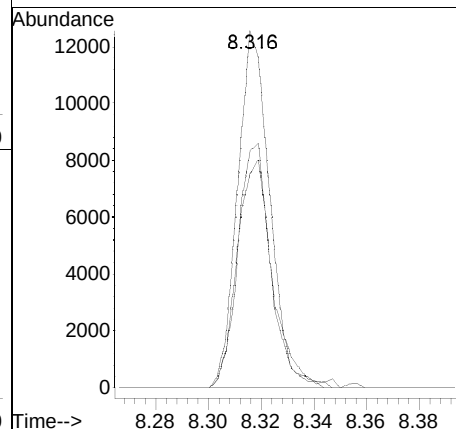
Tgt Ion:	284	Resp:	20998
Ion Ratio	Lower	Upper	
284	100		
142	37.1	41.9	62.9#
249	31.8	24.1	36.1

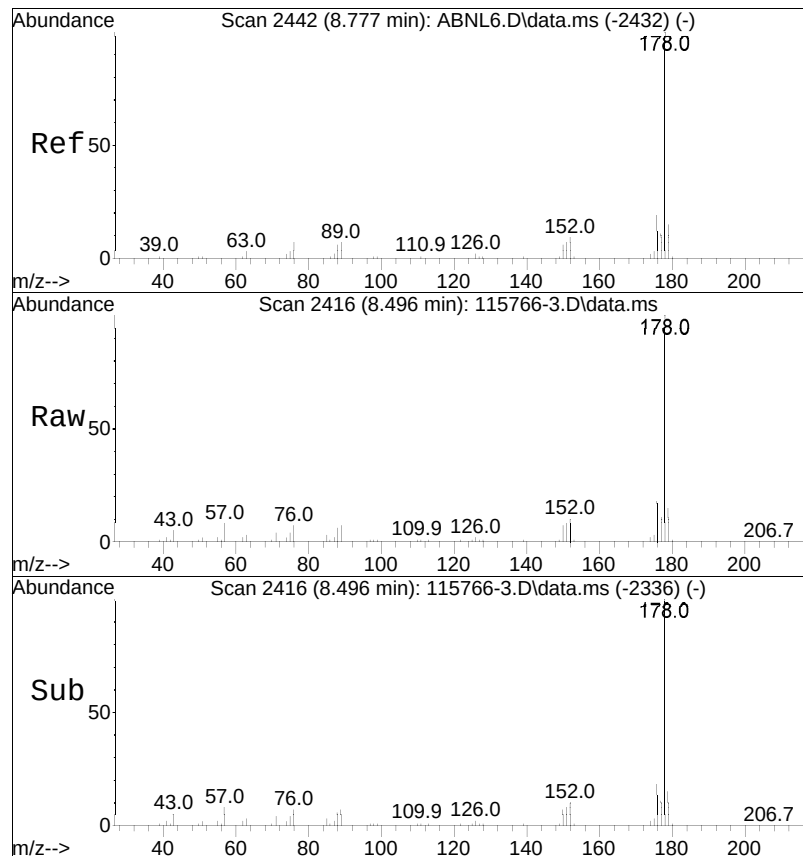




#82
 Pentachlorophenol
 Concen: 1.32 ug/ml
 RT: 8.316 min Scan# 2358
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

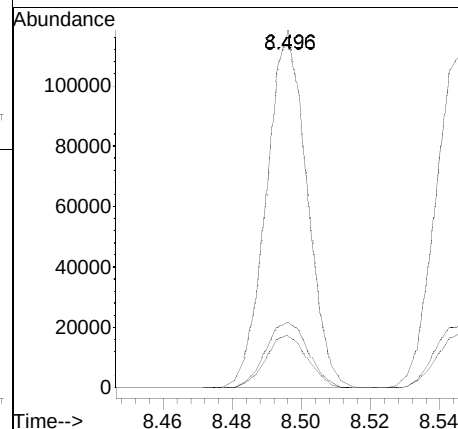
Tgt Ion	Ratio	Lower	Upper
266	100		
264	66.1	49.7	74.5
268	69.5	50.5	75.7

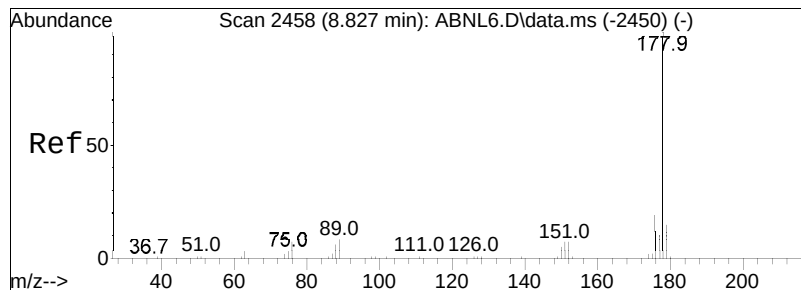




#89
 Phenanthrene
 Concen: 1.36 ug/ml
 RT: 8.496 min Scan# 2416
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

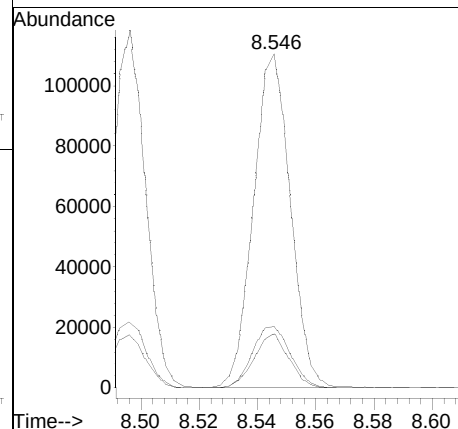
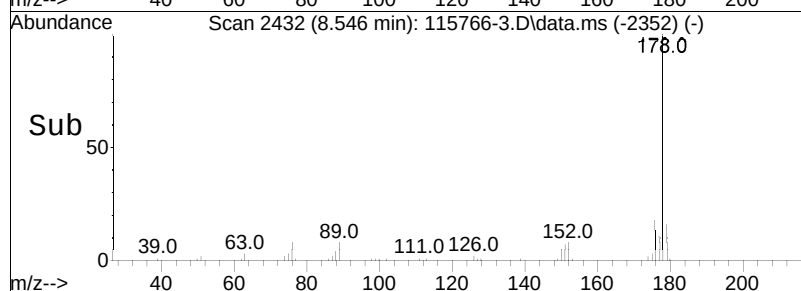
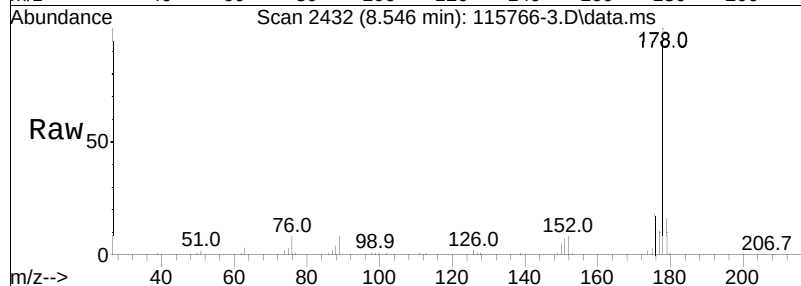
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	19.3	15.4	23.2

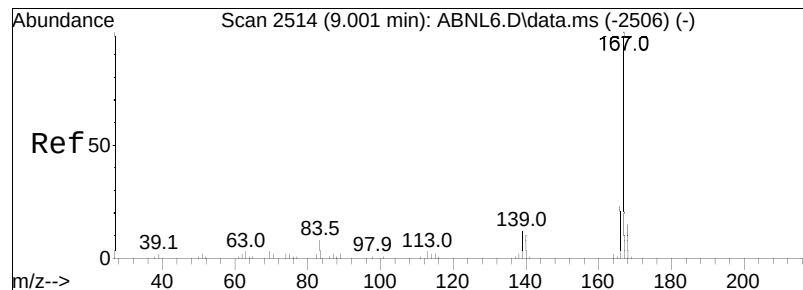




#90
 Anthracene
 Concen: 1.40 ug/ml
 RT: 8.546 min Scan# 2432
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

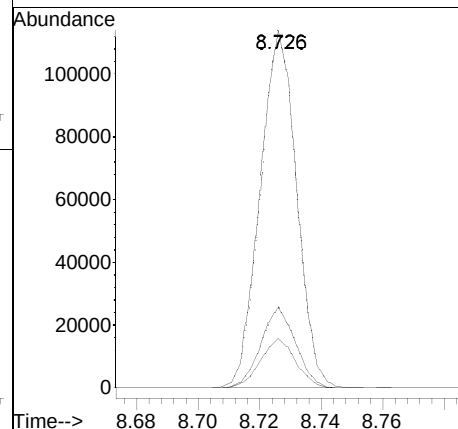
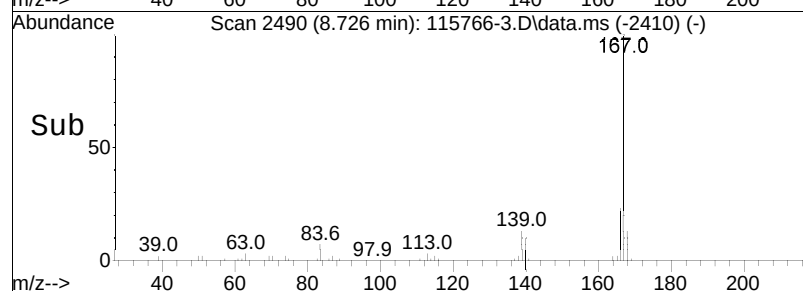
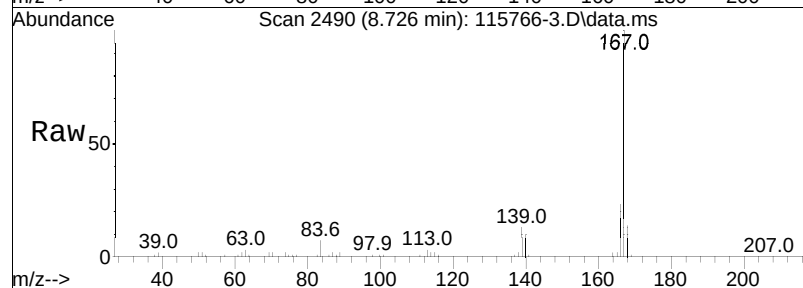
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	19.0	14.6	22.0

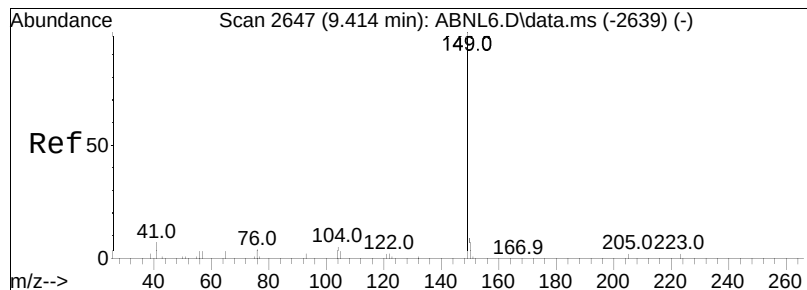




#91
 Carbazole
 Concen: 1.46 ug/ml
 RT: 8.726 min Scan# 2490
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

Tgt Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.6	15.8
166	21.6	17.4	26.0





#92

Di-n-butylphthalate

Concen: 2.25 ug/ml

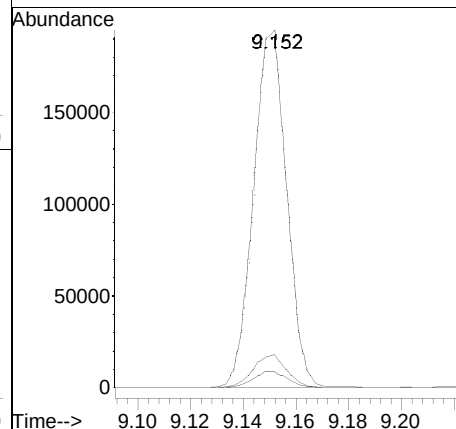
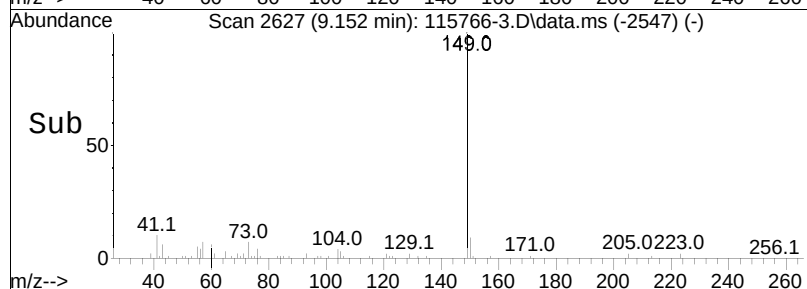
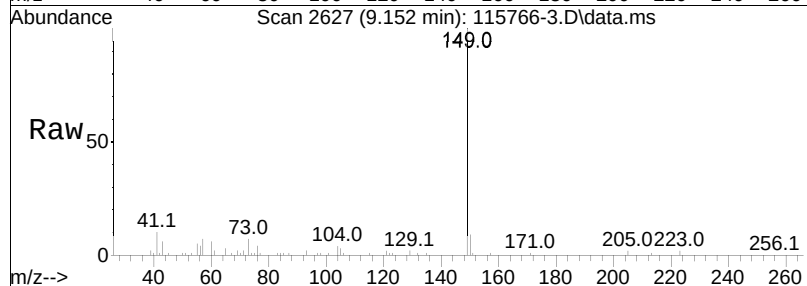
RT: 9.152 min Scan# 2627

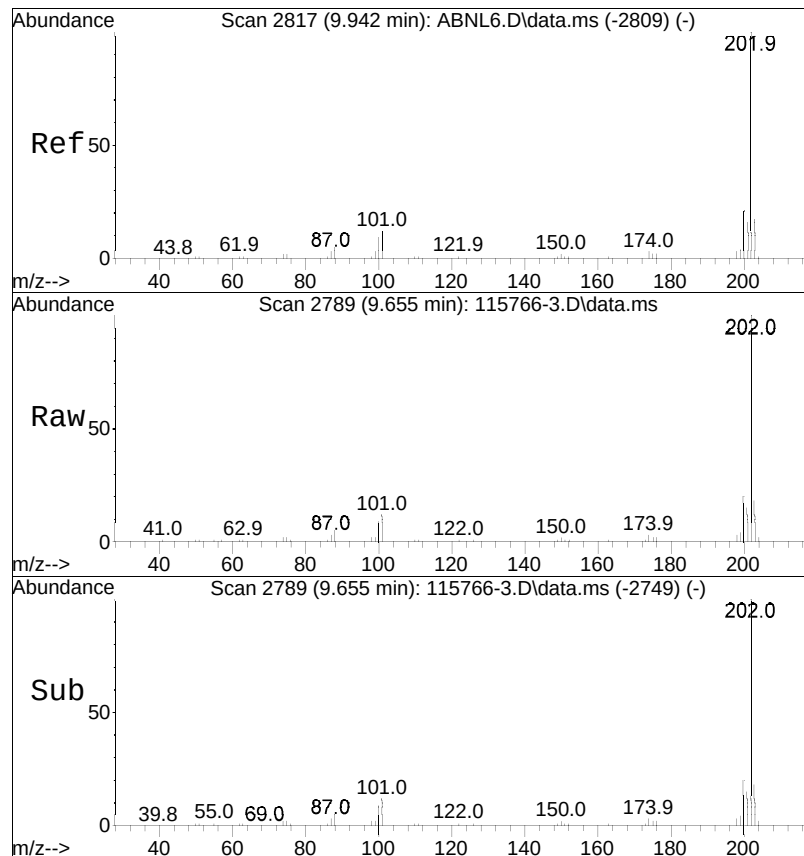
Delta R.T. 0.000 min

Lab File: 115766-3.D

Acq: 17 Sep 2025 11:57 am

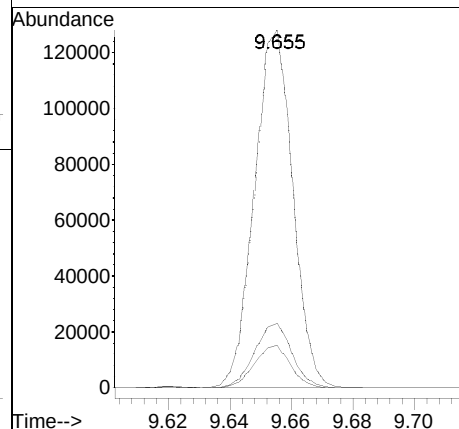
Tgt	Ion:149	Resp:	167591
Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.0	10.6
104	4.5	4.5	6.7

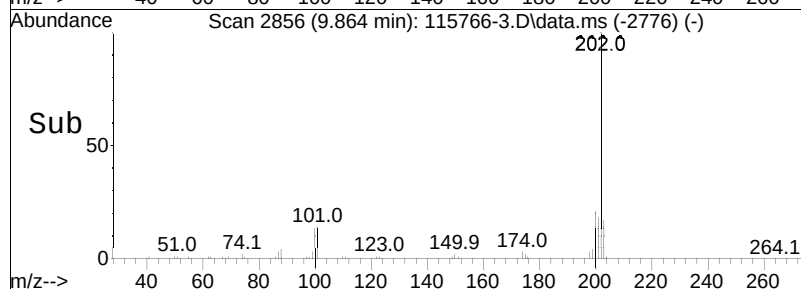
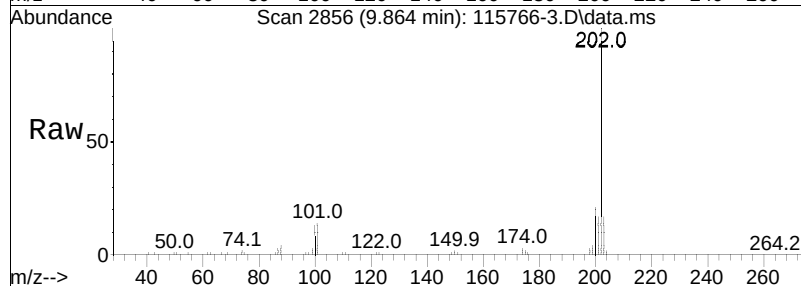
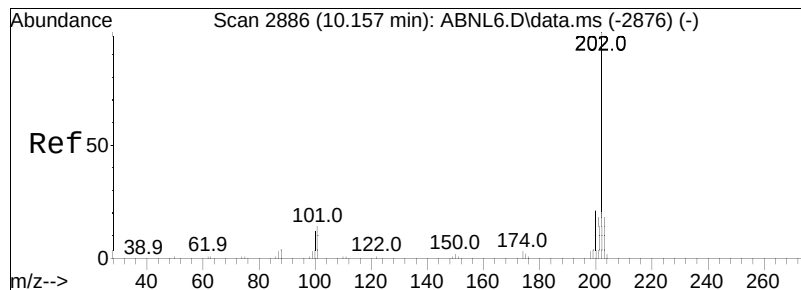




#93
 Fluoranthene
 Concen: 1.44 ug/ml
 RT: 9.655 min Scan# 2789
 Delta R.T. 0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

Tgt	Ion:202	Resp:	109792
Ion	Ratio	Lower	Upper
202	100		
101	11.3	13.5	20.3#
203	17.7	13.6	20.4





#95

Pyrene

Concen: 1.40 ug/ml

RT: 9.864 min Scan# 2856

Delta R.T. 0.000 min

Lab File: 115766-3.D

Acq: 17 Sep 2025 11:57 am

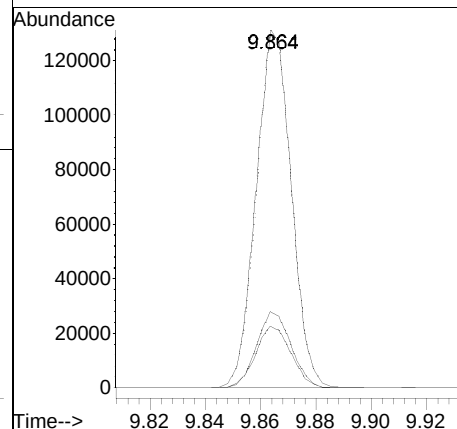
Tgt Ion:202 Resp: 114233

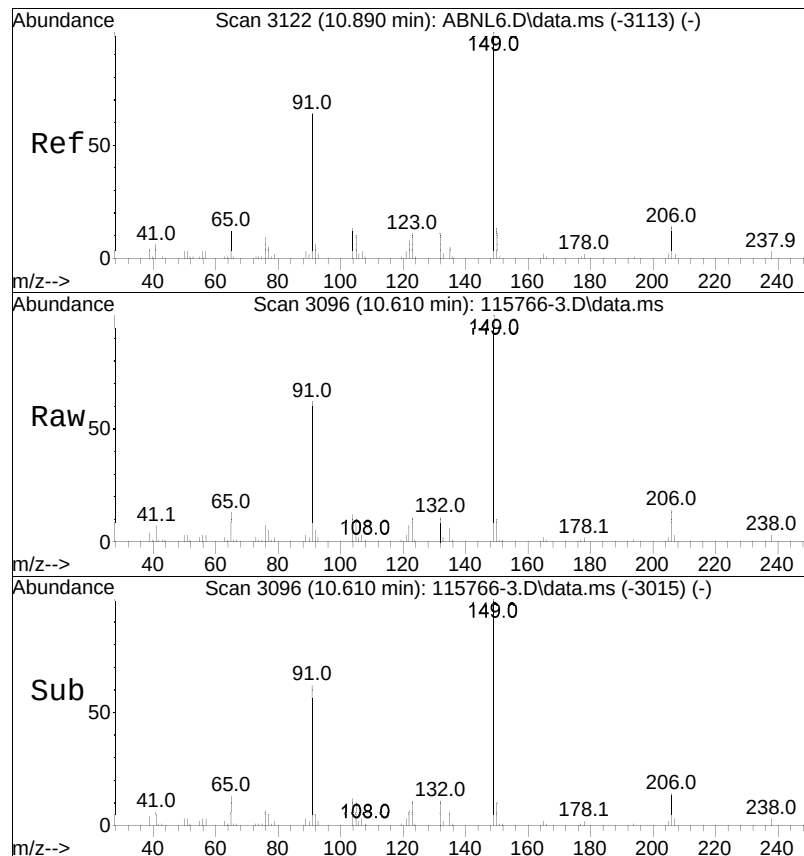
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

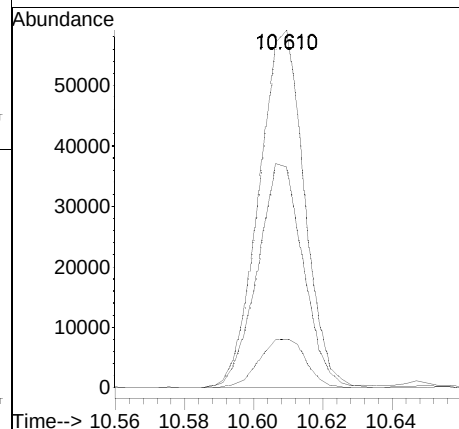
203 17.6 14.2 21.4

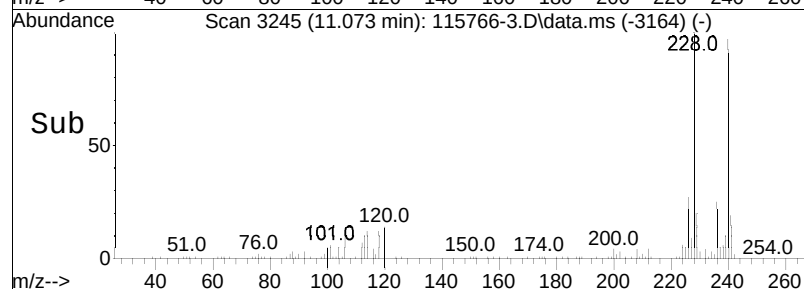
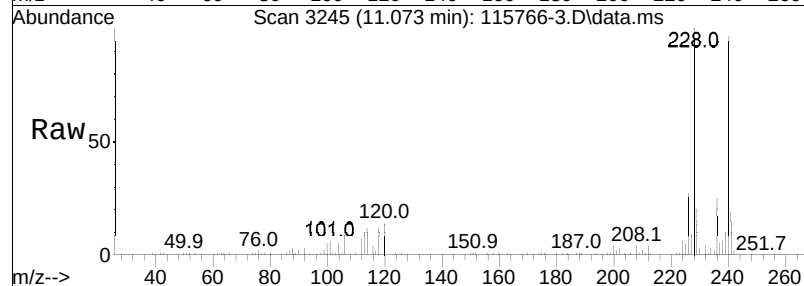
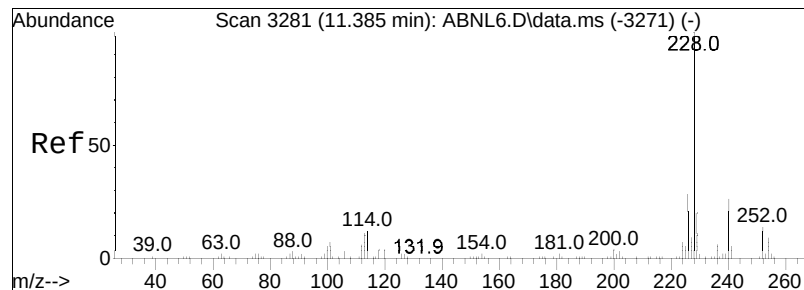




#97
 Butyl benzyl phthalate
 Concen: 1.72 ug/ml
 RT: 10.610 min Scan# 3096
 Delta R.T. 0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

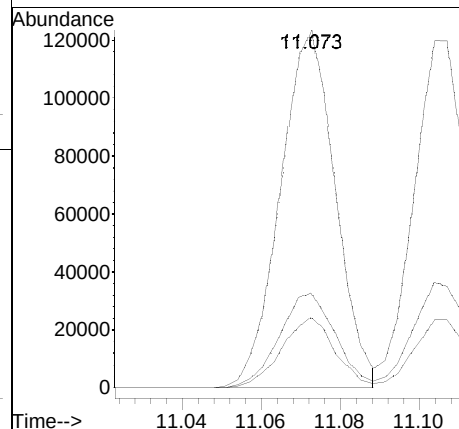
Tgt Ion:	149	Resp:	53546
Ion Ratio	Lower	Upper	
149	100		
91	63.8	63.3	94.9
206	14.2	13.9	20.9

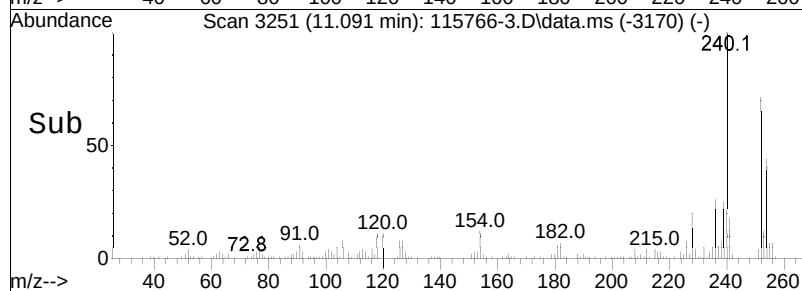
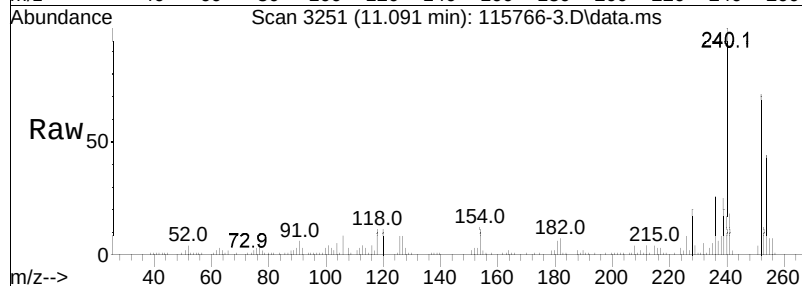
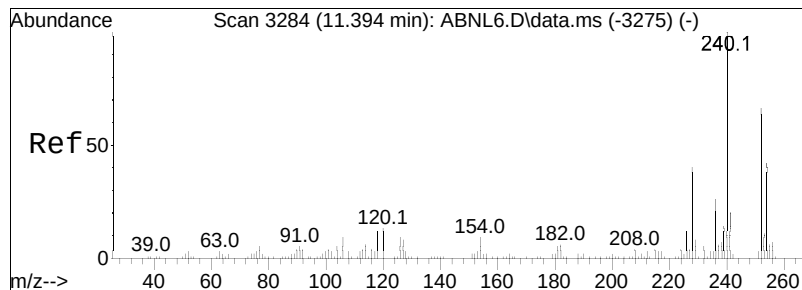




#105
 Benzo(a)anthracene
 Concen: 1.47 ug/ml
 RT: 11.073 min Scan# 3245
 Delta R.T. 0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

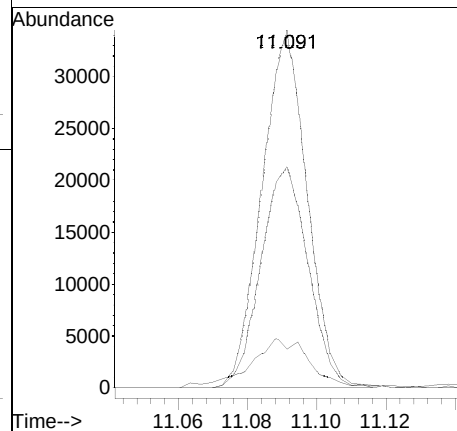
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.2	33.4
229	19.2	15.6	23.4

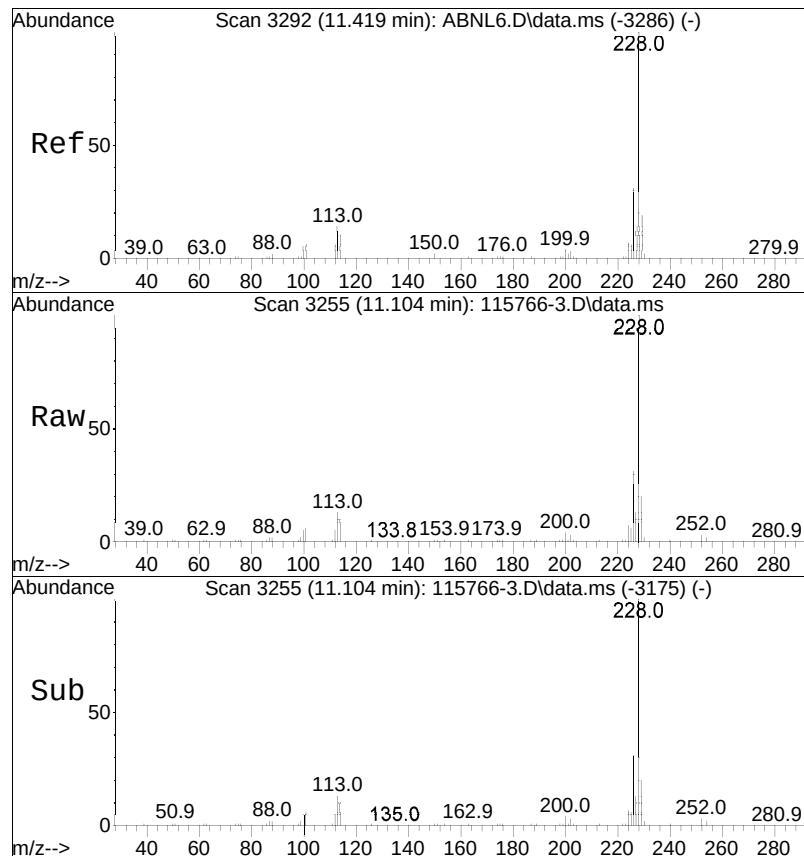




#106
 3,3'-Dichlorobenzidine
 Concen: 1.12 ug/ml
 RT: 11.091 min Scan# 3251
 Delta R.T. 0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

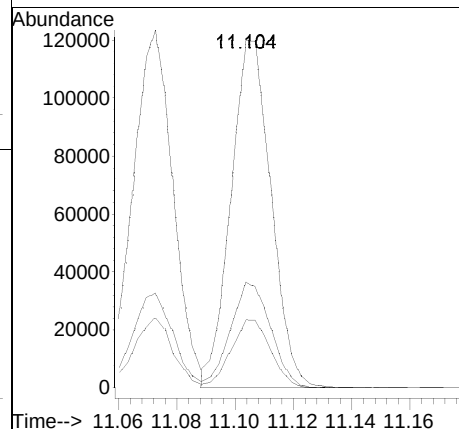
Tgt Ion	Ratio	Lower	Upper
252	100		
126	18.3	14.5	21.7
254	64.9	51.2	76.8

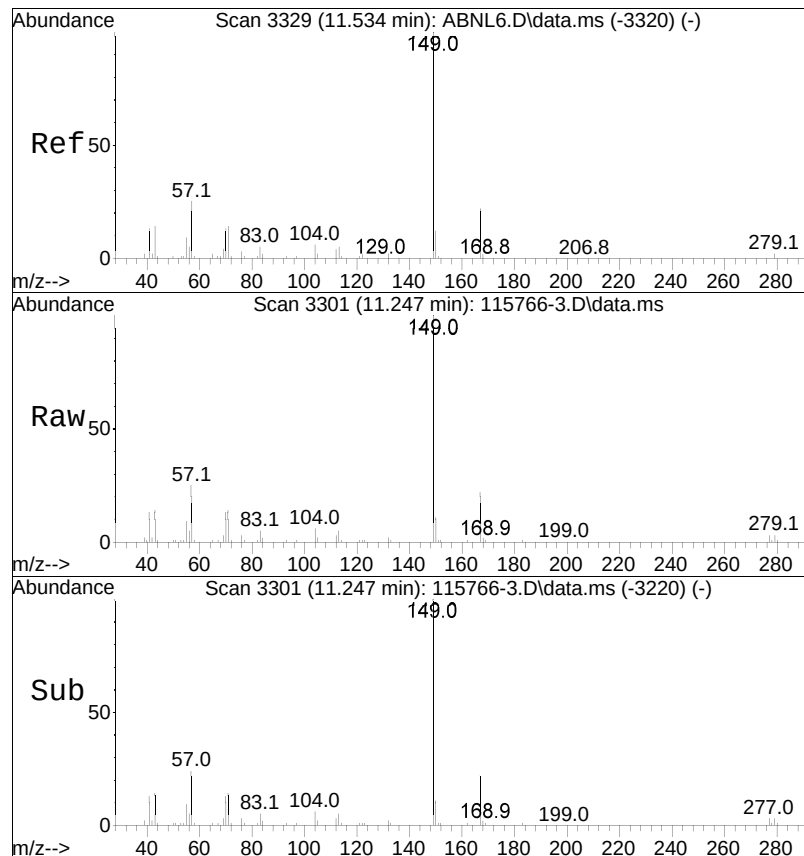




#107
 Chrysene
 Concen: 1.44 ug/ml
 RT: 11.104 min Scan# 3255
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

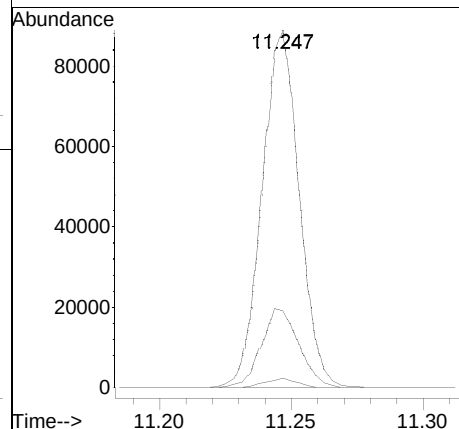
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	19.3	15.8	23.8

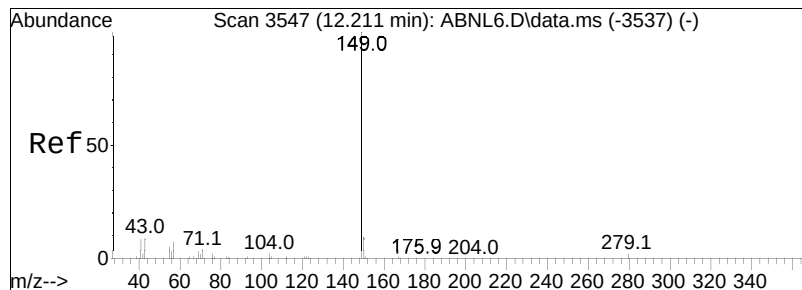




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 1.69 ug/ml
 RT: 11.247 min Scan# 3301
 Delta R.T. 0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

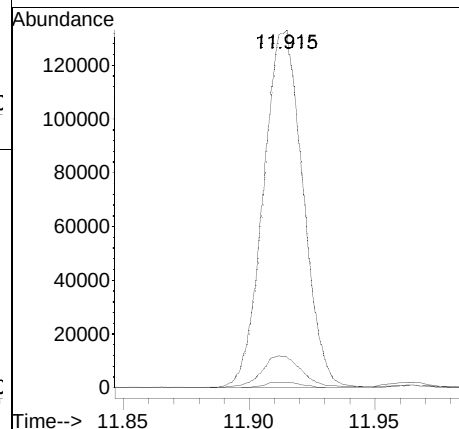
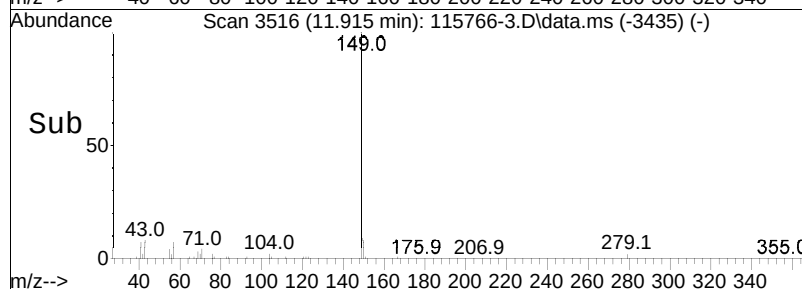
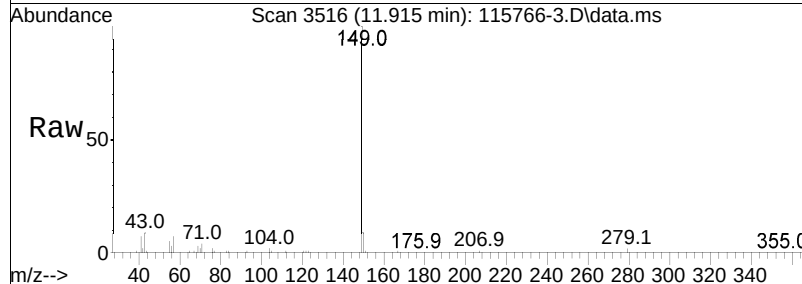
Tgt Ion:	149	Resp:	85929
Ion Ratio	Lower	Upper	
149	100		
167	22.5	22.1	33.1
279	2.0	3.0	4.4#

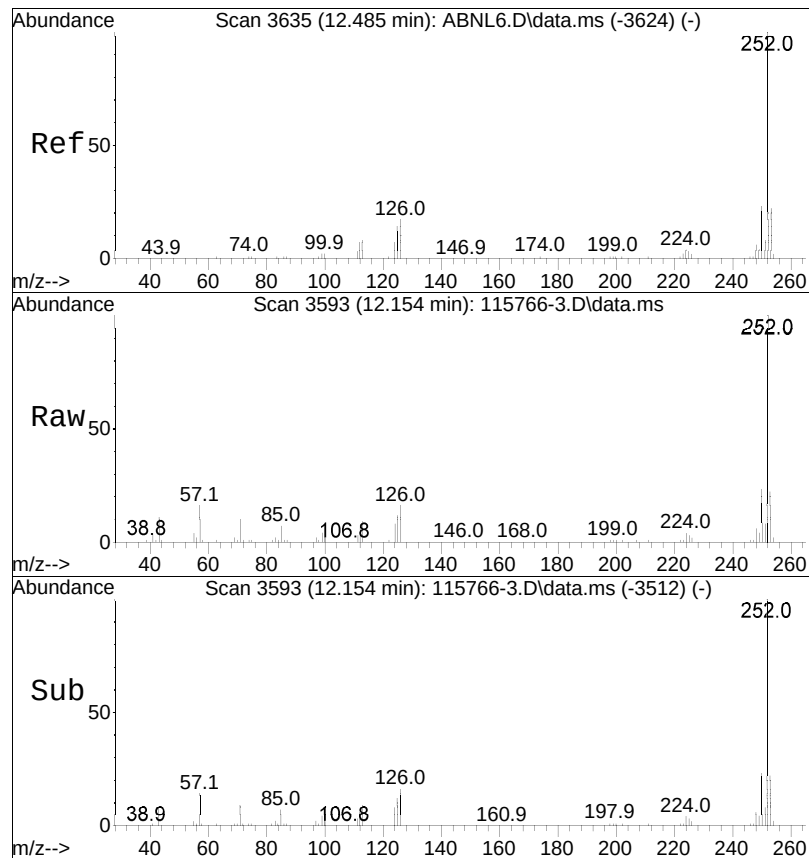




#109
 Di-n-octylphthalate
 Concen: 1.69 ug/ml
 RT: 11.915 min Scan# 3516
 Delta R.T. 0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

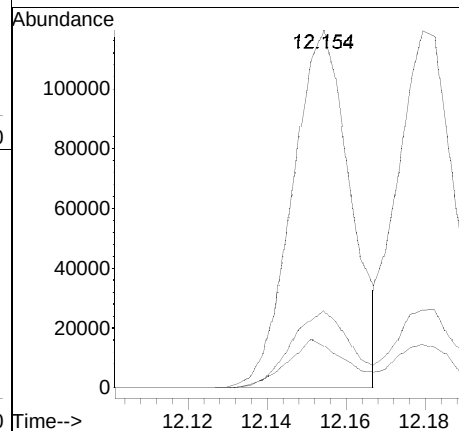
Tgt Ion	Ratio	Lower	Upper
149	100		
43	8.8	18.8	28.2#
167	1.4	1.3	1.9

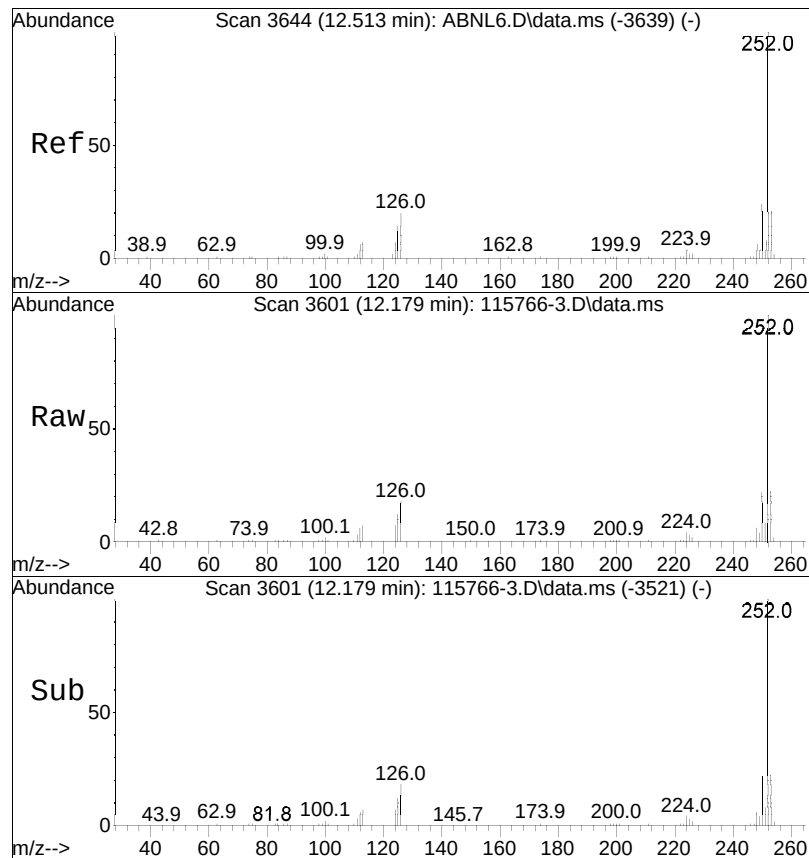




#110
 Benzo(b)fluoranthene
 Concen: 1.60 ug/ml
 RT: 12.154 min Scan# 3593
 Delta R.T. 0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

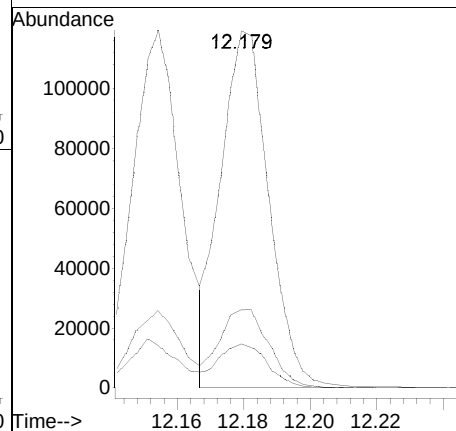
Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		122338		
125	13.9	13.3		19.9	
253	22.3	17.1		25.7	

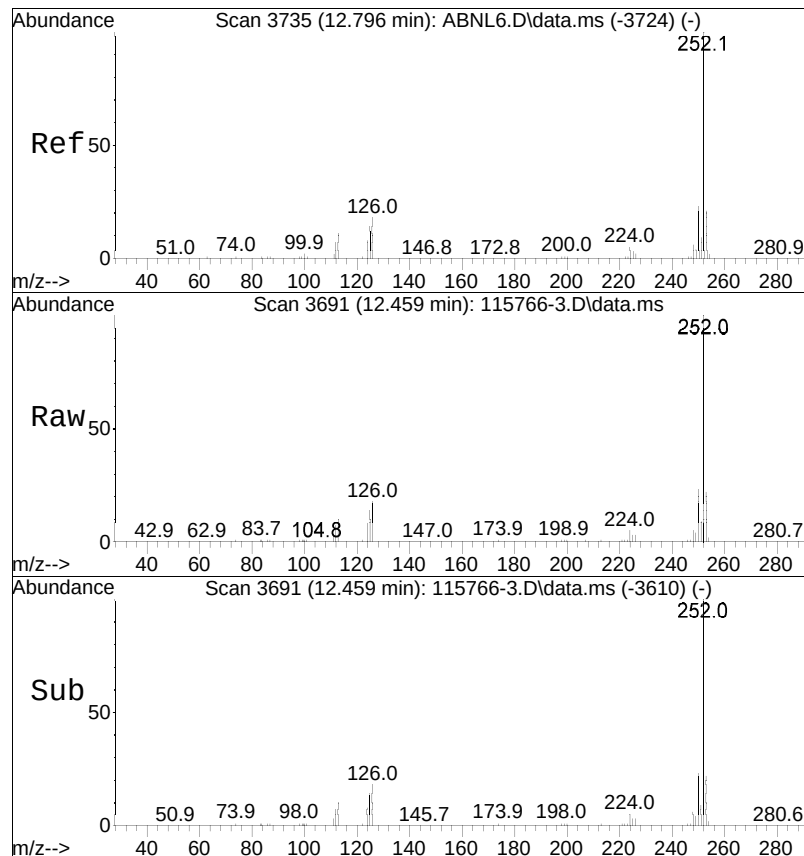




#111
 Benzo(k)fluoranthene
 Concen: 1.54 ug/ml M3
 RT: 12.179 min Scan# 3601
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

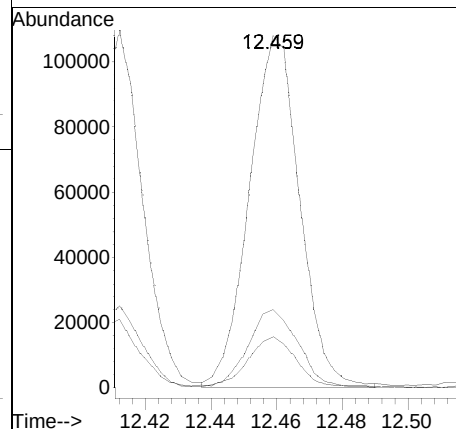
Tgt Ion	Ratio	Lower	Upper
252	100		
125	14.1	13.0	19.6
253	22.7	16.8	25.2

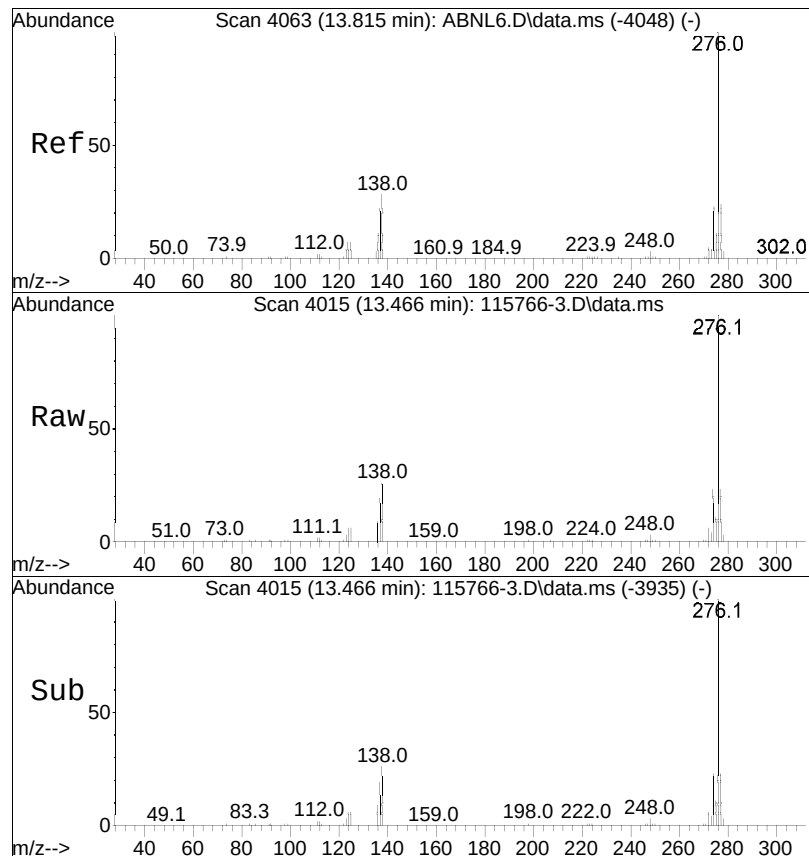




#112
 Benzo(a)pyrene
 Concen: 1.61 ug/ml M3
 RT: 12.459 min Scan# 3691
 Delta R.T. 0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

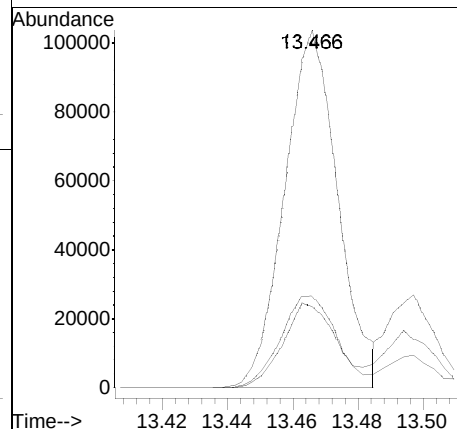
Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		115308		
125	18.8	14.2		21.2	
253	22.2	16.9		25.3	

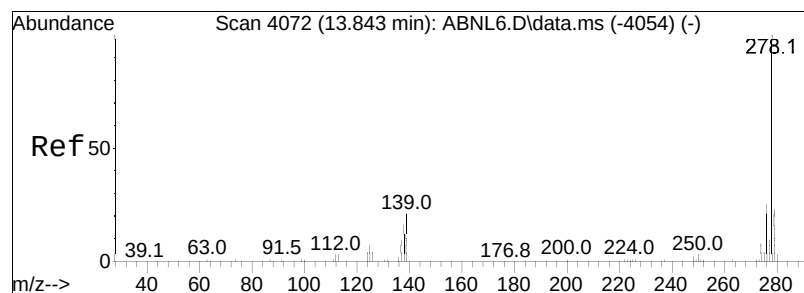




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 1.45 ug/mL
 RT: 13.466 min Scan# 4015
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

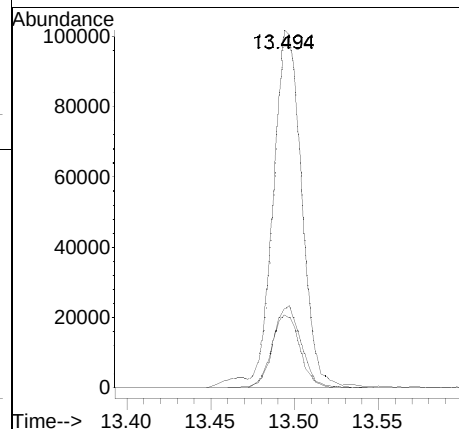
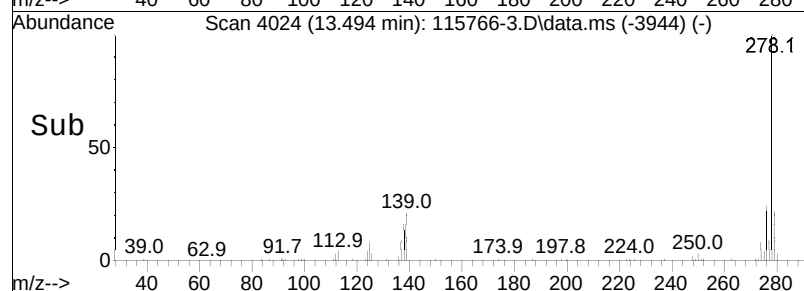
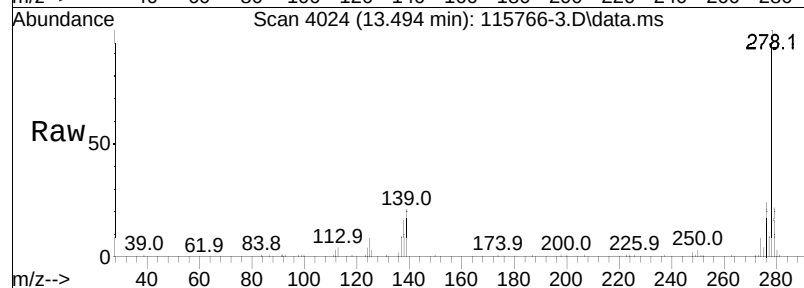
Tgt Ion:	276	Resp:	117298
Ion Ratio	Lower	Upper	
276	100		
138	27.2	25.1	37.7
277	23.8	18.6	28.0

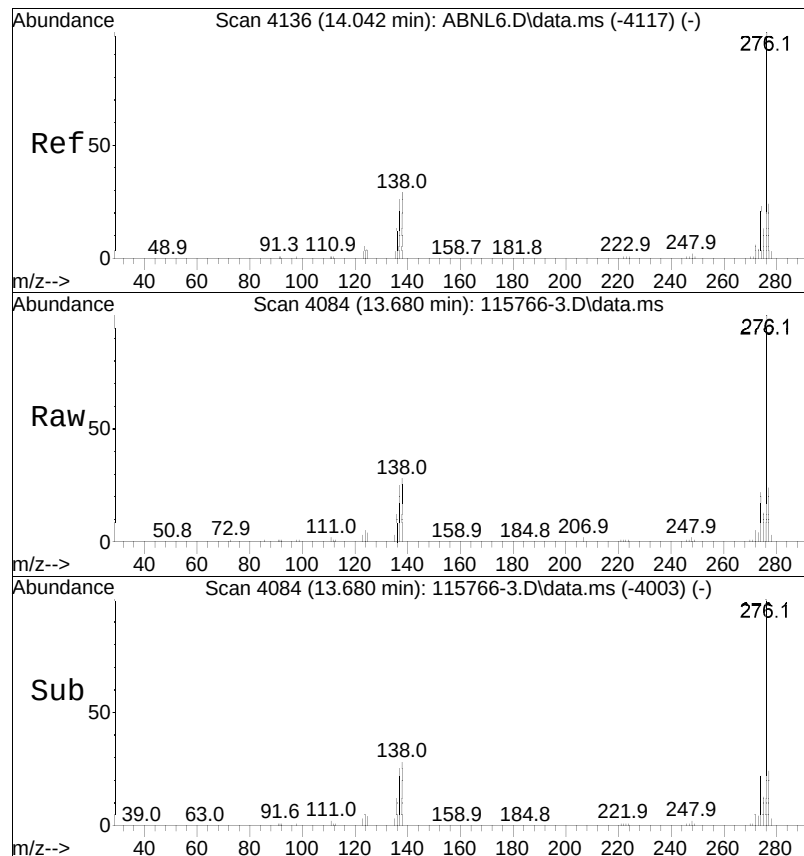




#115
 Dibenzo(a,h)anthracene
 Concen: 1.45 ug/ml
 RT: 13.494 min Scan# 4024
 Delta R.T. 0.000 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

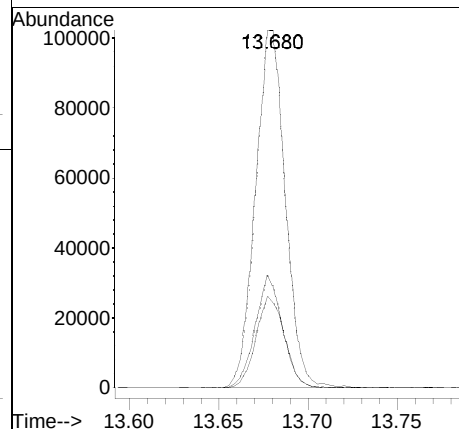
Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.0	20.8	31.2#
279	22.5	18.3	27.5





#116
 Benzo(ghi)perylene
 Concen: 1.43 ug/ml
 RT: 13.680 min Scan# 4084
 Delta R.T. 0.003 min
 Lab File: 115766-3.D
 Acq: 17 Sep 2025 11:57 am

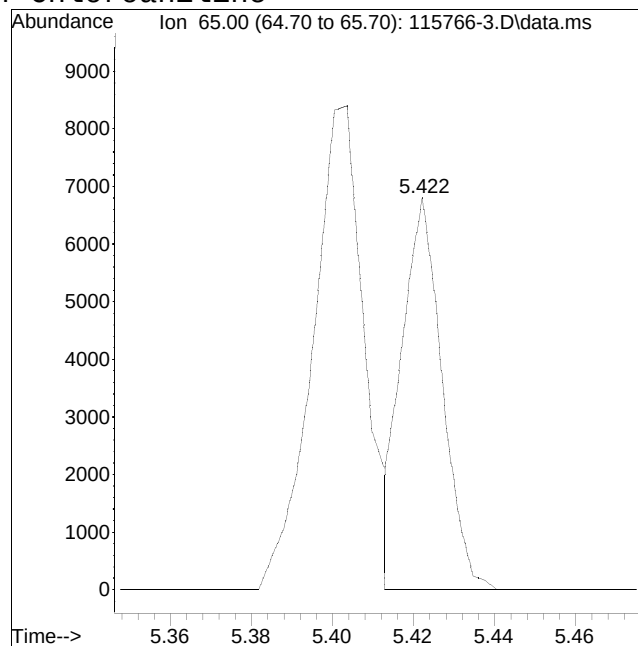
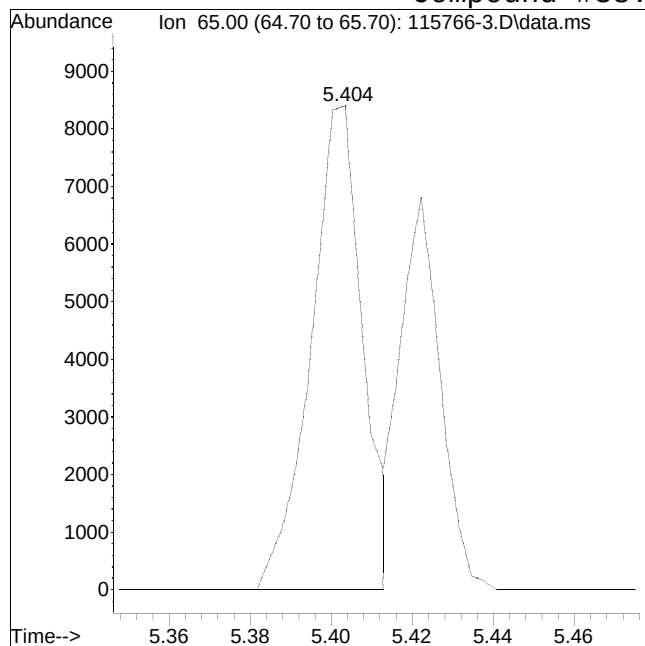
Tgt Ion:	276	Resp:	118071
Ion Ratio	Lower	Upper	
276	100		
138	29.0	29.2	43.8#
277	24.7	18.8	28.2



Manual Integration Report

Data Path : I:\8270\SV106\250917RVT\ QMethod : FS250827SV106.m
Data File : 115766-3.D Operator : SV106:als
Date Inj'd : 9/17/2025 11:57 am Instrument : SV 106
Sample : WG2115761-3,32,,gmr/1 Quant Date : 9/17/2025 12:15 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 7480

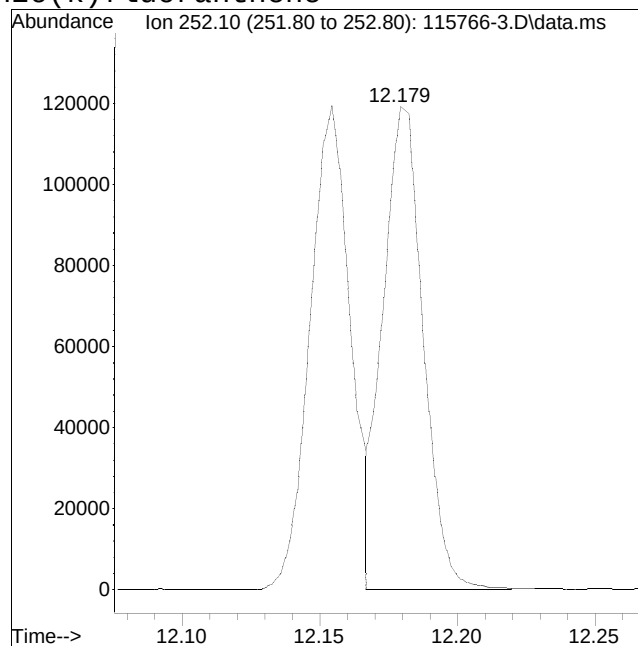
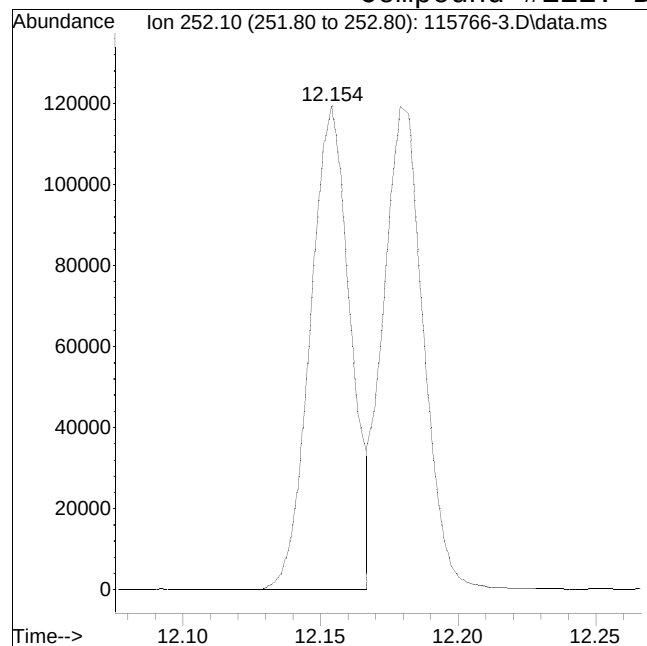
Manual Peak Response = 4659 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250917RVT\ QMethod : FS250827SV106.m
Data File : 115766-3.D Operator : SV106:als
Date Inj'd : 9/17/2025 11:57 am Instrument : SV 106
Sample : WG2115761-3,32,,gmr/1 Quant Date : 9/17/2025 12:15 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 122338

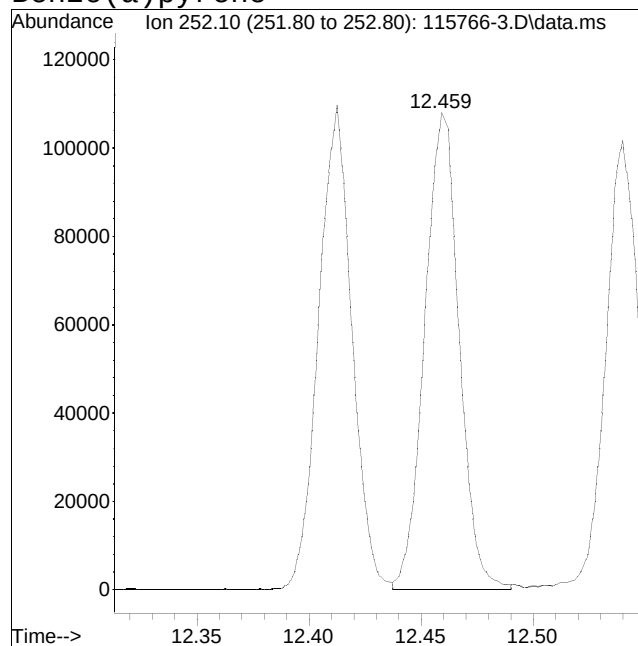
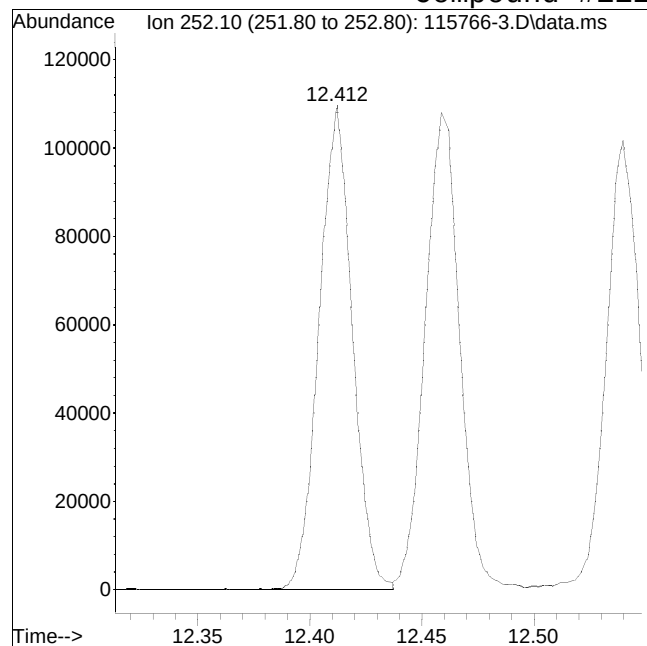
Manual Peak Response = 120294 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250917RVT\ QMethod : FS250827SV106.m
Data File : 115766-3.D Operator : SV106:als
Date Inj'd : 9/17/2025 11:57 am Instrument : SV 106
Sample : WG2115761-3,32,,gmr/1 Quant Date : 9/17/2025 12:15 pm

Compound #112: Benzo(a)pyrene



Original Peak Response = 113447

Manual Peak Response = 115308 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : 120226-3.D
 Acq On : 28 Sep 2025 10:40 pm
 Operator : Dakota:smz
 Sample : wg2120226-3,32,,mrg
 Misc : wg2120752,WG2120226,ical22568
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 16:24:16 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250928RVT\ABN0928a.D
 : 2 - I:\8270\Dakota\250928RVT\ADP0928.D
 : 3 - I:\8270\Dakota\250928RVT\AP90928a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.158	152	80421	4.000	ug/ml	0.00
Standard Area 1 = 73381			Recovery =	109.59%		
27) IS2_1,4-Dichlorobenzen...	4.158	152	80421	4.000	ug/ml	0.00
Standard Area 3 = 72611			Recovery =	110.76%		
32) IS3_1,4-Dichlorobenzen...	4.158	152	80421	4.000	ug/ml	0.00
Standard Area 2 = 63582			Recovery =	126.48%		
37) IS1_Naphthalene-d8	5.395	136	298045	4.000	ug/ml	0.00
Standard Area 1 = 265715			Recovery =	112.17%		
57) IS2_Naphthalene-d8	5.395	136	298045	4.000	ug/ml	0.00
Standard Area 3 = 268261			Recovery =	111.10%		
65) IS1_Acenaphthene-d10	7.083	164	214368	4.000	ug/ml	0.00
Standard Area 1 = 194588			Recovery =	110.17%		
85) IS2_Acenaphthene-d10	7.083	164	214368	4.000	ug/ml	0.00
Standard Area 3 = 186950			Recovery =	114.67%		
88) IS3_Acenaphthene-d10	7.083	164	214368	4.000	ug/ml	0.00
Standard Area 2 = 164851			Recovery =	130.04%		
90) IS1_Phenanthrene-d10	8.491	188	519326	4.000	ug/ml	# 0.00
Standard Area 1 = 444443			Recovery =	116.85%		
102) IS3_Phenanthrene-d10	8.491	188	519326	4.000	ug/ml	# 0.00
Standard Area 2 = 396616			Recovery =	130.94%		
106) IS1_Chrysene-d12	11.042	240	588464	4.000	ug/ml	# 0.00
Standard Area 1 = 511364			Recovery =	115.08%		
115) IS1_Perylene-d12	12.450	264	714282	4.000	ug/ml	0.00
Standard Area 1 = 610133			Recovery =	117.07%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.859	112	19249	1.087	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	54.35%		
7) Phenol-d6	3.869	99	17232	0.729	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	36.45%		
19) Nitrobenzene-d5	4.708	82	15576	0.694	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	69.40%		
48) 2-Fluorobiphenyl	6.470	172	48761	0.663	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	66.30%		
81) 2,4,6-Tribromophenol	7.838	330	21657	1.761	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	88.05%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : 120226-3.D
 Acq On : 28 Sep 2025 10:40 pm
 Operator : Dakota:smz
 Sample : wg2120226-3,32,,mrg
 Misc : wg2120752,WG2120226,ical22568
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 16:24:16 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250928RVT\ABN0928a.D
 : 2 - I:\8270\Dakota\250928RVT\ADP0928.D
 : 3 - I:\8270\Dakota\250928RVT\AP90928a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.060	244	84973	0.632	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	63.20%
Target Compounds						Qvalue
6) 2-Chlorophenol	3.953	128	28897	1.337	ug/ml#	83
8) Phenol	3.878	94	19155	0.705	ug/ml#	90
9) Bis(2-chloroethyl)ether	3.934	93	20910	1.075	ug/ml	92
10) 1,3-Dichlorobenzene	4.099	146	35298	1.158	ug/ml	92
11) 1,4-Dichlorobenzene	4.173	146	35697	1.159	ug/ml	92
12) 1,2-Dichlorobenzene	4.320	146	34232	1.160	ug/ml	95
13) Benzyl alcohol	4.332	79	22521	1.352	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.484	45	29071	0.839	ug/ml#	37
15) 2-Methylphenol	4.475	108	25012	1.359	ug/ml	93
16) Hexachloroethane	4.649	117	13125	1.210	ug/ml#	38
17) n-Nitrosodi-n-propylamine	4.602	70	19044	1.189	ug/ml#	93
18) 3-Methylphenol/4-Methy...	4.633	108	26357	1.275	ug/ml	98
20) Nitrobenzene	4.727	77	27993	1.234	ug/ml	99
21) Isophorone	4.975	82	52069	1.258	ug/ml#	97
22) 2-Nitrophenol	5.044	139	15418	1.448	ug/ml#	87
23) 2,4-Dimethylphenol	5.140	107	28096	1.317	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.224	93	31709	1.152	ug/ml	99
25) 2,4-Dichlorophenol	5.286	162	34563	1.446	ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.355	180	38326	1.276	ug/ml	96
29) Acetophenone	4.574	105	39396	1.178	ug/ml#	80
38) Naphthalene	5.414	128	90065	1.217	ug/ml	99
39) Benzoic Acid	5.212	105	14757M3	1.710	ug/ml	
40) 4-Chloroaniline	5.501	65	8634M3	0.915	ug/ml	
41) Hexachlorobutadiene	5.575	225	22688	1.129	ug/ml	97
42) p-Chloro-m-cresol	6.010	107	29142	1.487	ug/ml	85
43) 2-Methylnaphthalene	6.094	142	63814	1.306	ug/ml	99
45) Hexachlorocyclopentadiene	6.265	237	25839	1.135	ug/ml	100
46) 2,4,6-Trichlorophenol	6.386	196	29112	1.394	ug/ml	95
47) 2,4,5-Trichlorophenol	6.417	196	34466	1.494	ug/ml	98
49) 2-Chloronaphthalene	6.551	162	77491	1.283	ug/ml	94
50) 2-Nitroaniline	6.672	138	23997	1.579	ug/ml#	70
53) Dimethyl phthalate	6.884	163	103483	1.369	ug/ml#	97
54) Acenaphthylene	6.940	152	127129	1.348	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : 120226-3.D
 Acq On : 28 Sep 2025 10:40 pm
 Operator : Dakota:smz
 Sample : wg2120226-3,32,,mrg
 Misc : wg2120752,WG2120226,ical22568
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 16:24:16 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250928RVT\ABN0928a.D
 : 2 - I:\8270\Dakota\250928RVT\ADP0928.D
 : 3 - I:\8270\Dakota\250928RVT\AP90928a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55)	2,6-Dinitrotoluene	6.918	165	20061	1.352	ug/ml#	76
63)	1,2,4,5-Tetrachloroben...	6.262	216	45201	1.225	ug/ml	95
64)	Biphenyl	6.554	154	95179	1.252	ug/ml	96
66)	3-Nitroaniline	7.070	138	20394	1.389	ug/ml#	87
67)	Acenaphthene	7.111	154	71104	1.282	ug/ml	86
68)	2,4-Dinitrophenol	7.170	184	13156	1.552	ug/ml#	82
69)	Dibenzofuran	7.282	168	127968	1.316	ug/ml	97
70)	2,4-Dinitrotoluene	7.297	165	30198	1.526	ug/ml#	69
71)	4-Nitrophenol	7.278	65	12294	1.127	ug/ml#	1
74)	Diethyl phthalate	7.567	149	105857	1.417	ug/ml	98
75)	Fluorene	7.608	166	104256	1.382	ug/ml	97
76)	4-Chlorophenyl phenyl ...	7.639	204	52577	1.290	ug/ml#	85
77)	4-Nitroaniline	7.645	138	22246	1.535	ug/ml#	70
78)	4,6-Dinitro-o-cresol	7.682	198	18088	1.428	ug/ml#	52
79)	NDPA/DPA	7.754	169	90649	1.382	ug/ml	90
82)	4-Bromophenyl phenyl e...	8.099	248	36372	1.391	ug/ml#	77
83)	Hexachlorobenzene	8.136	284	44298	1.467	ug/ml#	79
84)	Pentachlorophenol	8.335	266	26794	1.632	ug/ml	92
91)	Phenanthrene	8.512	178	178436	1.253	ug/ml	98
92)	Anthracene	8.562	178	177392	1.291	ug/ml	100
93)	Carbazole	8.736	167	168207	1.321	ug/ml	97
94)	Di-n-butylphthalate	9.150	149	238855	1.769	ug/ml#	99
95)	Fluoranthene	9.647	202	221357	1.293	ug/ml#	89
97)	Pyrene	9.855	202	224125	1.224	ug/ml	98
99)	Butyl benzyl phthalate	10.576	149	86625	1.449	ug/ml#	78
107)	Benzo(a)anthracene	11.036	228	231234	1.294	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.052	252	67817	1.052	ug/ml#	97
109)	Chrysene	11.070	228	224385	1.236	ug/ml	99
110)	Bis(2-ethylhexyl)phtha...	11.201	149	136431	1.602	ug/ml#	90
111)	Di-n-octylphthalate	11.857	149	230232	1.528	ug/ml#	70
112)	Benzo(b)fluoranthene	12.096	252	259901	1.440	ug/ml#	92
113)	Benzo(k)fluoranthene	12.121	252	255384	1.415	ug/ml#	91
114)	Benzo(a)pyrene	12.394	252	242838M3	1.475	ug/ml	
116)	Indeno(1,2,3-cd)pyrene	13.377	276	265826	1.326	ug/mL#	84
117)	Dibenzo(a,h)anthracene	13.408	278	267791	1.325	ug/ml#	86
118)	Benzo(ghi)perylene	13.588	276	265134	1.297	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
 Data File : 120226-3.D
 Acq On : 28 Sep 2025 10:40 pm
 Operator : Dakota:smz
 Sample : wg2120226-3,32,,mrg
 Misc : wg2120752,WG2120226,ical22568
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 16:24:16 2025
 Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 26 09:17:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250928RVT\ABN0928a.D
 : 2 - I:\8270\Dakota\250928RVT\ADP0928.D
 : 3 - I:\8270\Dakota\250928RVT\AP90928a.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

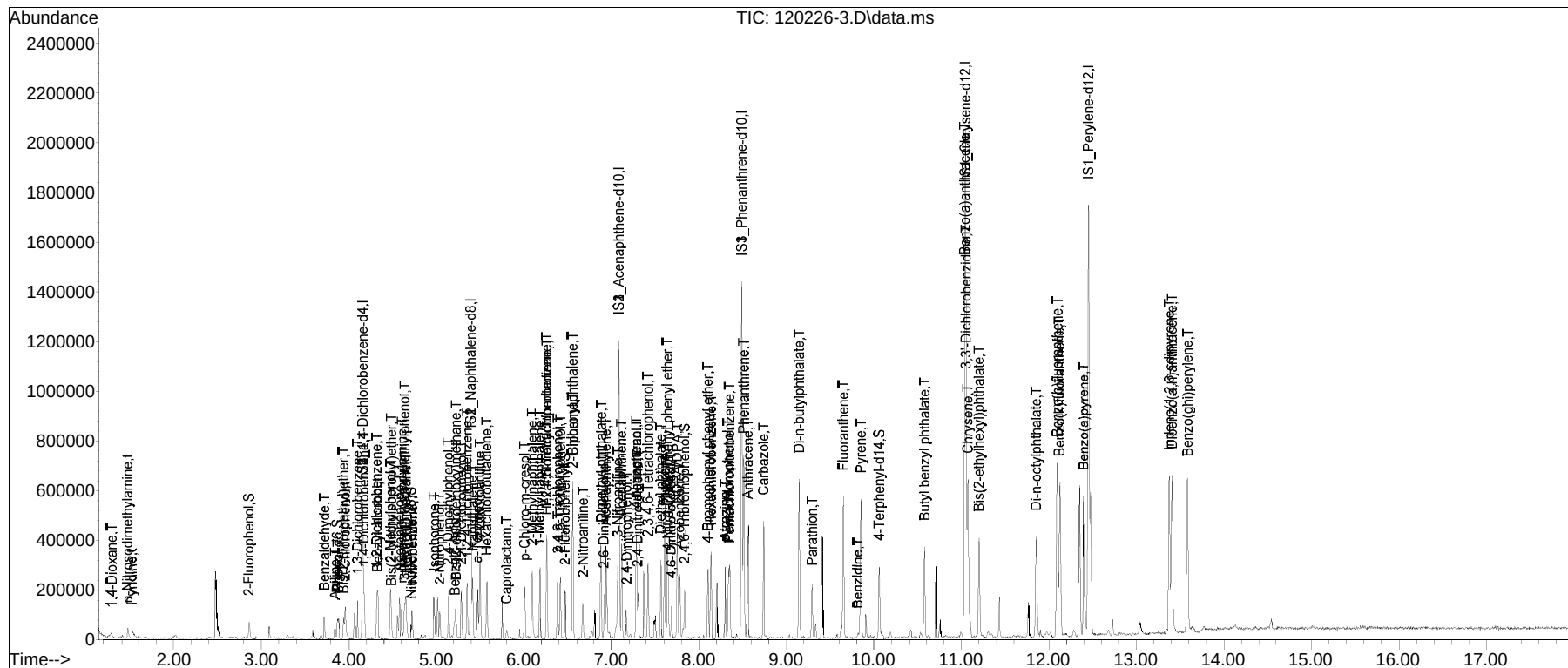
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

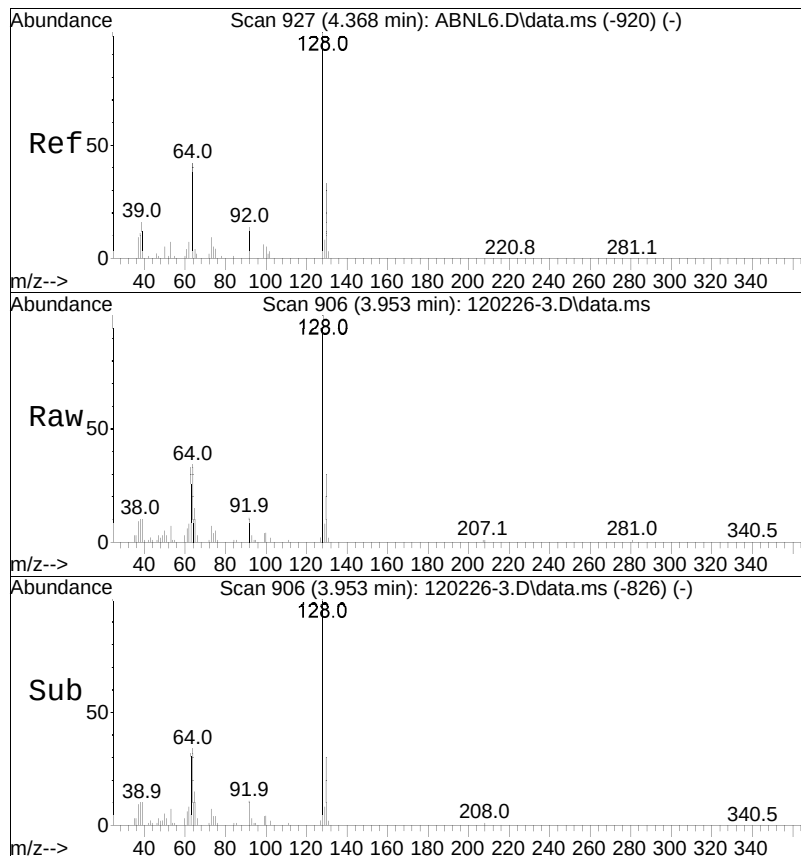
(QT Reviewed)

Data Path : I:\8270\Dakota\250928RVT\
Data File : 120226-3.D
Acq On : 28 Sep 2025 10:40 pm
Operator : Dakota:smz
Sample : wg2120226-3,32,,mrg
Misc : wg2120752,WG2120226,ical22568
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 16:24:16 2025
Quant Method : I:\8270\Dakota\250928RVT\FS250821RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Sep 26 09:17:20 2025
Response via : Initial Calibration

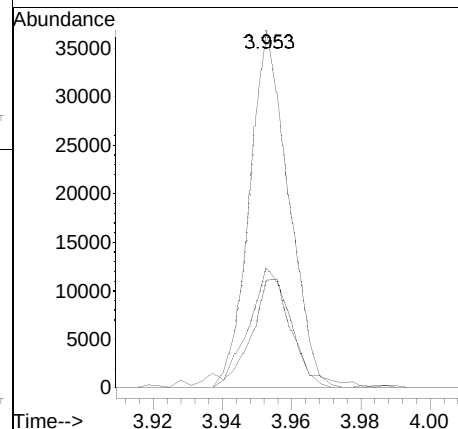
Sub List : 8270TCL_REV2 - TCL/CT/MA8RVT\AP90928a.D•

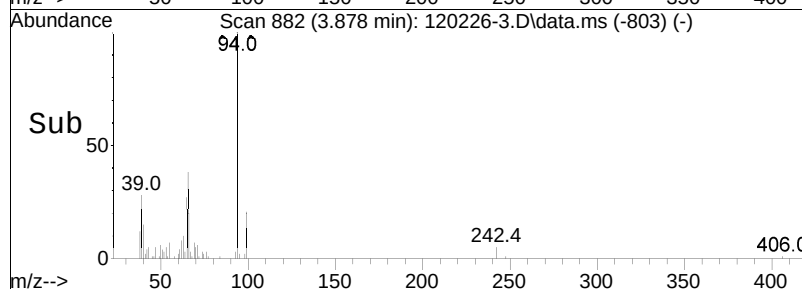
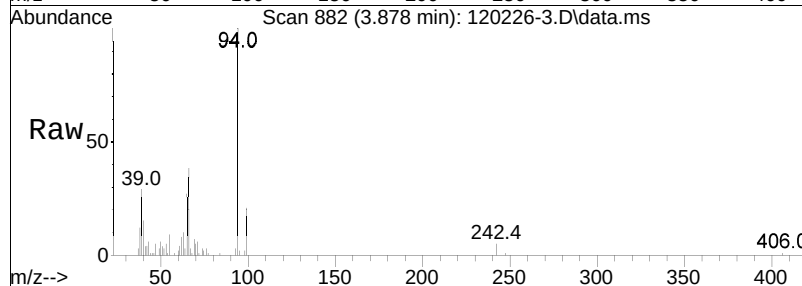
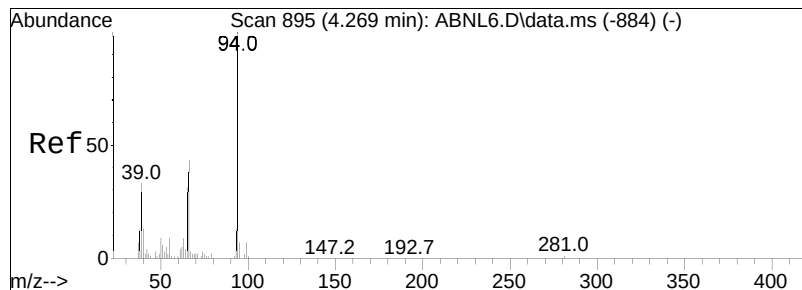




#6
 2-Chlorophenol
 Concen: 1.34 ug/ml
 RT: 3.953 min Scan# 906
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

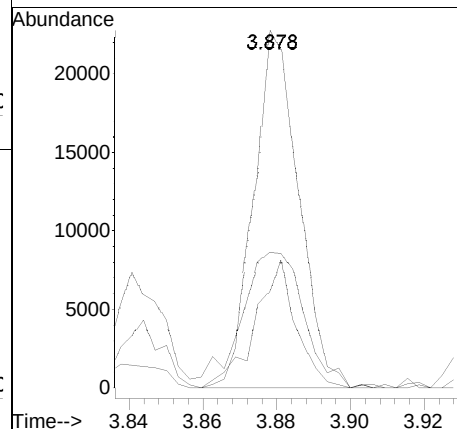
Tgt	Ion:128	Resp:	28897
Ion	Ratio	Lower	Upper
128	100		
64	37.3	45.1	67.7#
130	31.5	26.2	39.4

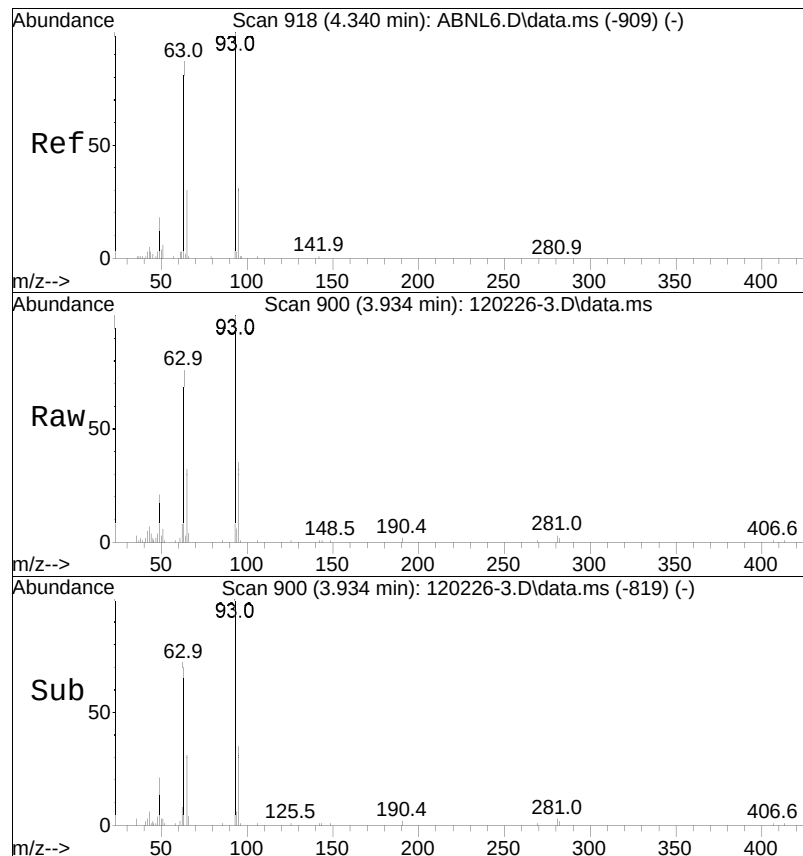




#8
 Phenol
 Concen: 0.71 ug/ml
 RT: 3.878 min Scan# 882
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

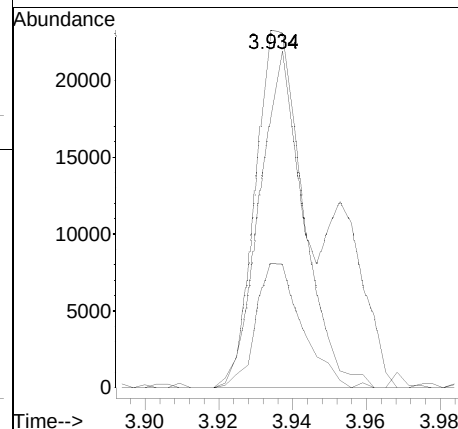
Tgt Ion	Ratio	Resp	Lower	Upper
94	100	19155		
65	32.7		26.0	39.0
66	53.3		33.8	50.8#

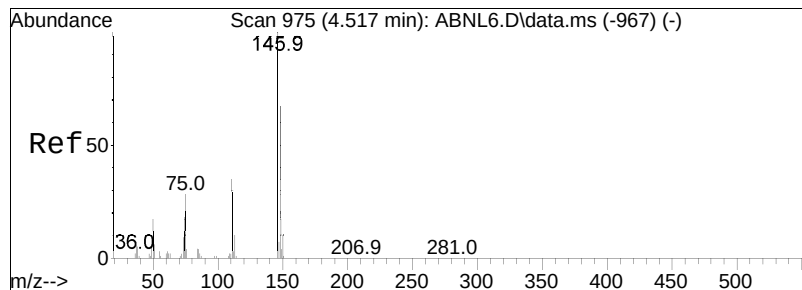




#9
 Bis(2-chloroethyl)ether
 Concen: 1.07 ug/ml
 RT: 3.934 min Scan# 900
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

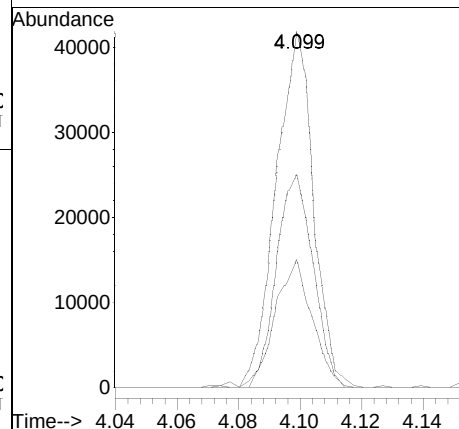
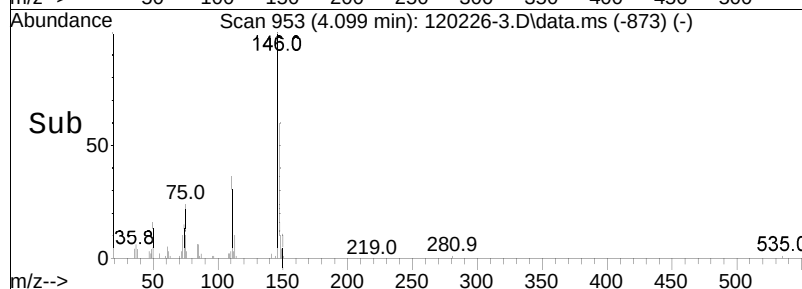
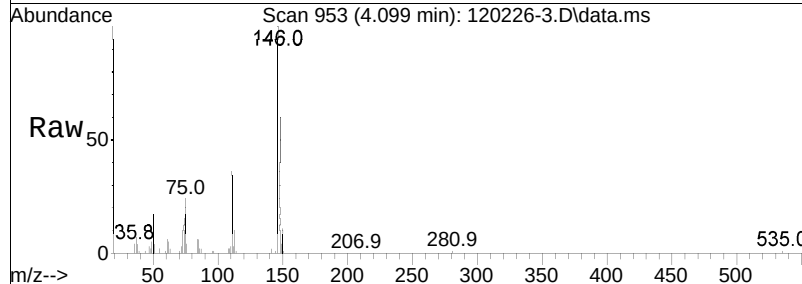
Tgt Ion:	93	Resp:	20910
Ion Ratio	Lower	Upper	
93	100		
63	83.7	74.6	111.8
95	33.6	25.9	38.9

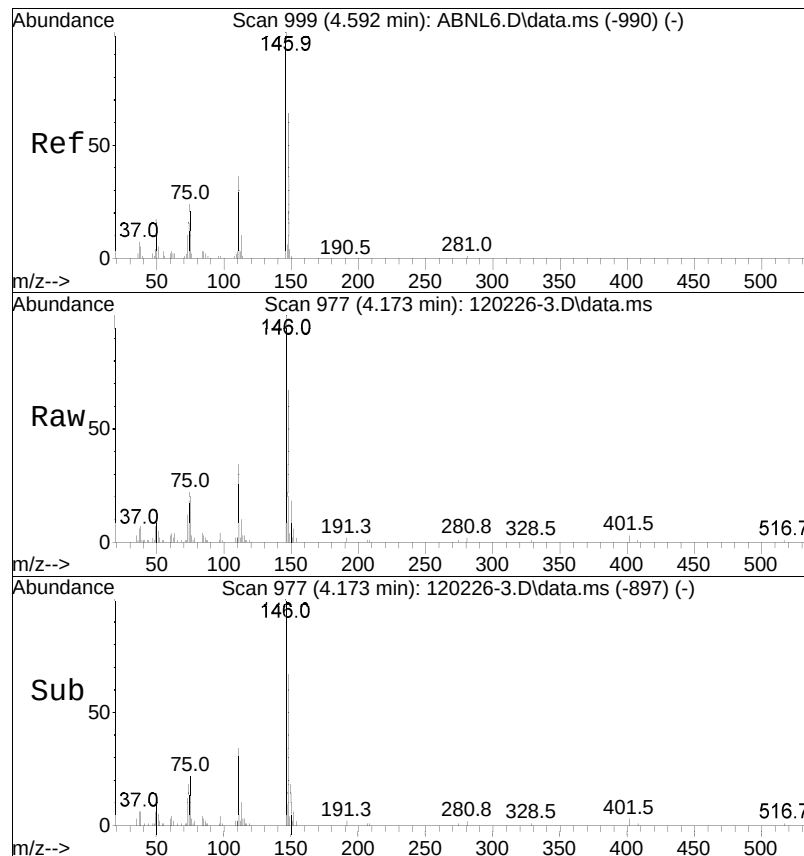




#10
 1,3-Dichlorobenzene
 Concen: 1.16 ug/ml
 RT: 4.099 min Scan# 953
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

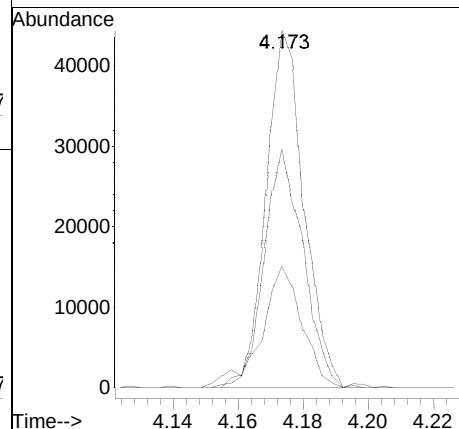
Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	34.3	51.5
148	59.1	50.8	76.2

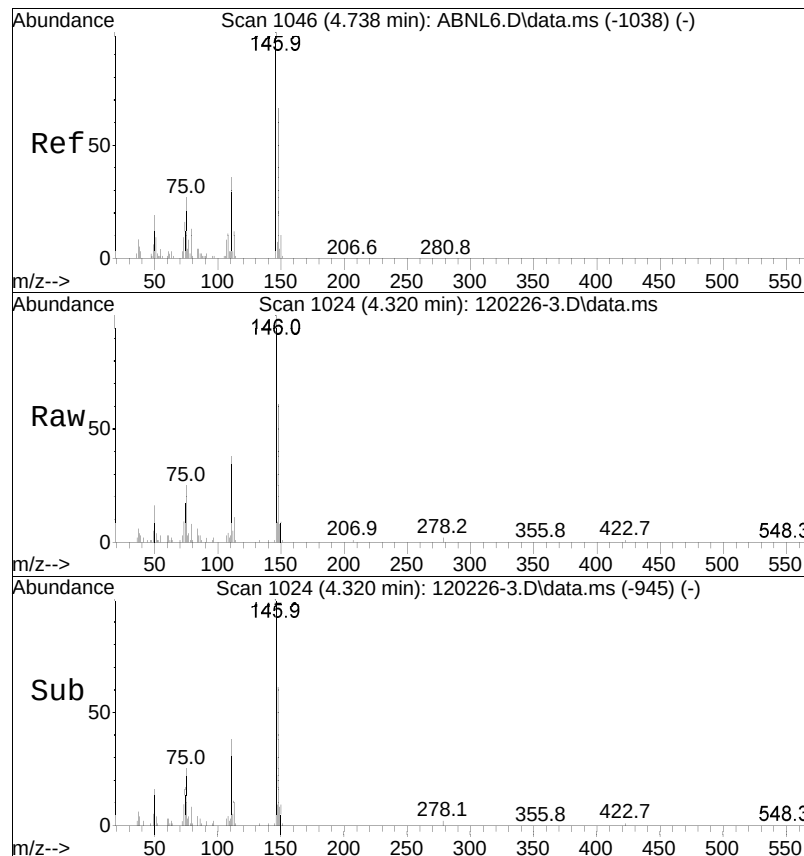




#11
 1,4-Dichlorobenzene
 Concen: 1.16 ug/ml
 RT: 4.173 min Scan# 977
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

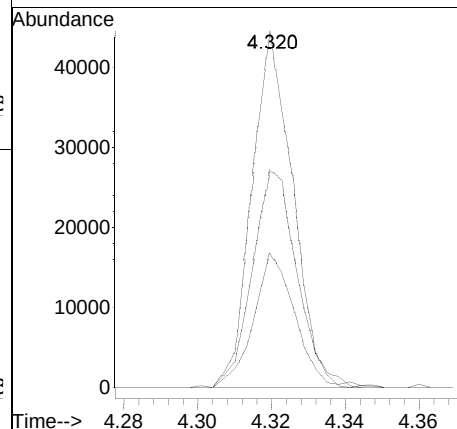
Tgt Ion:	146	Resp:	35697
Ion Ratio	Lower	Upper	
146	100		
148	69.3	50.7	76.1
111	36.4	33.4	50.0

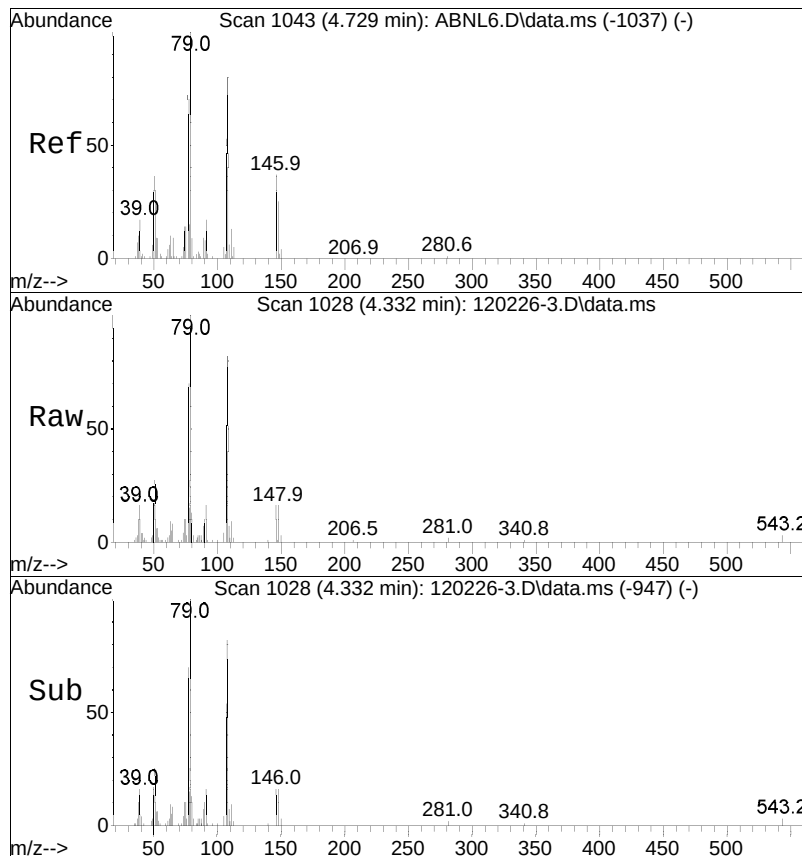




#12
 1,2-Dichlorobenzene
 Concen: 1.16 ug/ml
 RT: 4.320 min Scan# 1024
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

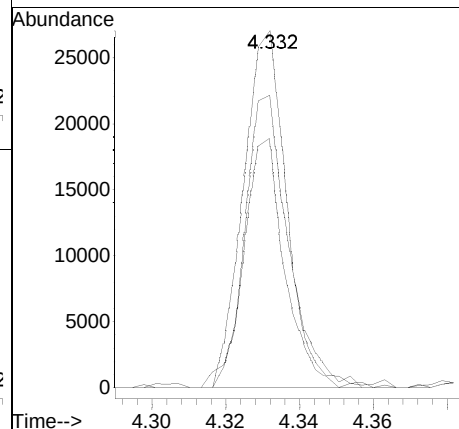
Tgt Ion:	146	Resp:	34232
Ion Ratio	Lower	Upper	
146	100		
111	38.5	34.6	52.0
148	65.9	50.2	75.4

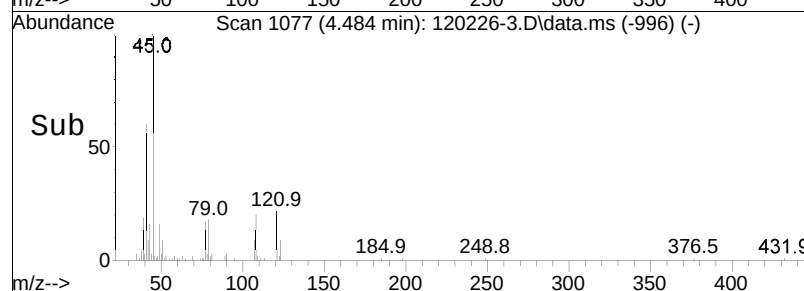
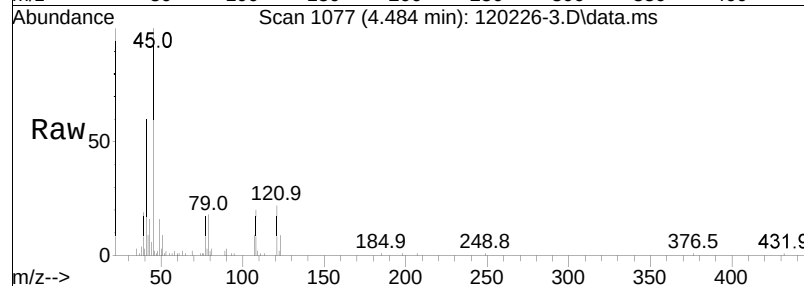
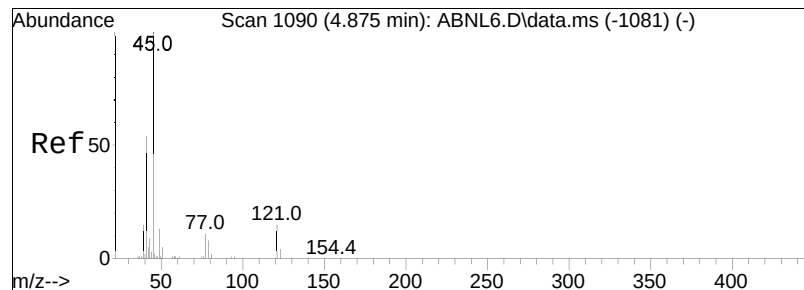




#13
 Benzyl alcohol
 Concen: 1.35 ug/ml
 RT: 4.332 min Scan# 1028
 Delta R.T. 0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

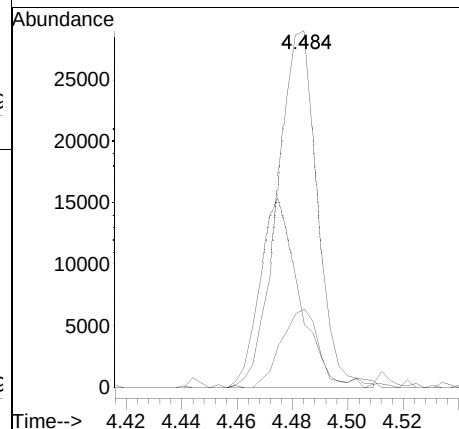
Tgt Ion:	79	Resp:	22521
Ion Ratio	Lower	Upper	
79	100		
77	64.0	54.9	82.3
108	80.0	63.1	94.7

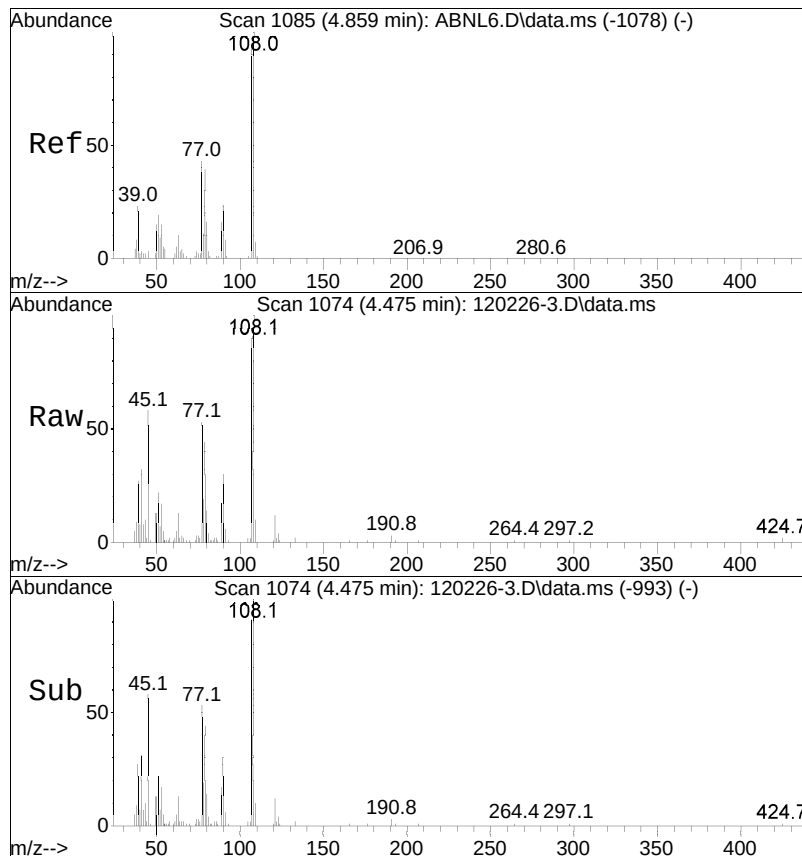




#14
 Bis(2-chloroisopropyl)ether
 Concen: 0.84 ug/ml
 RT: 4.484 min Scan# 1077
 Delta R.T. 0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

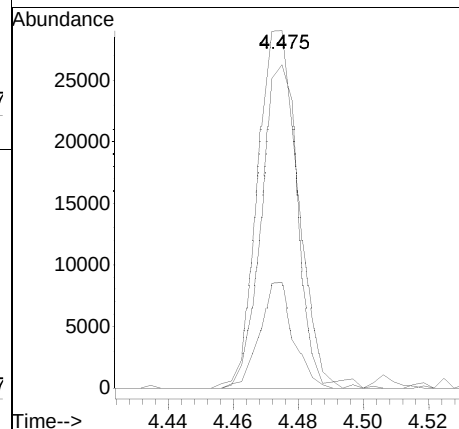
Tgt Ion	Ratio	Lower	Upper
45	100		
121	21.2	9.8	14.6#
77	51.8	6.1	9.1#

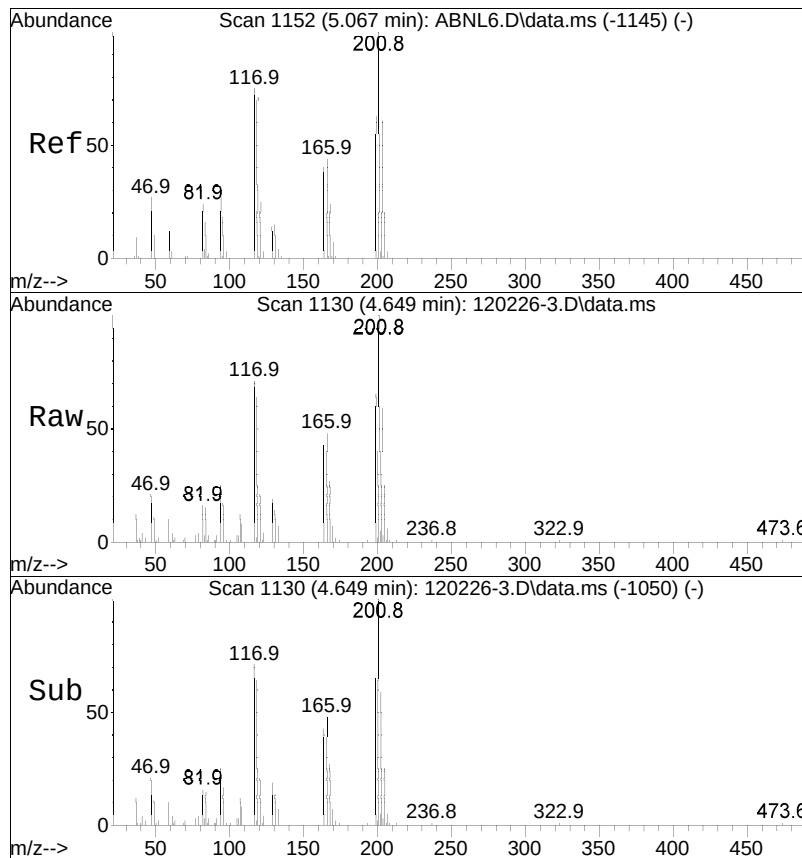




#15
 2-Methylphenol
 Concen: 1.36 ug/ml
 RT: 4.475 min Scan# 1074
 Delta R.T. 0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

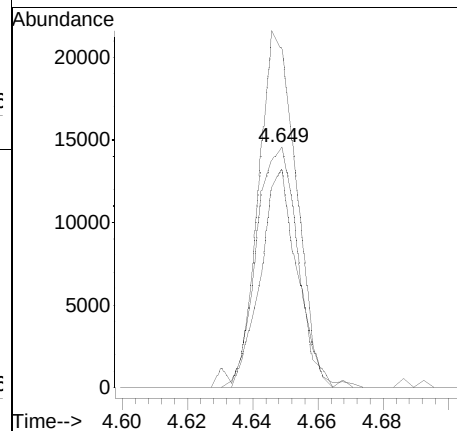
Tgt Ion	Ratio	Lower	Upper
108	100		
107	81.2	70.7	106.1
90	24.6	18.7	28.1

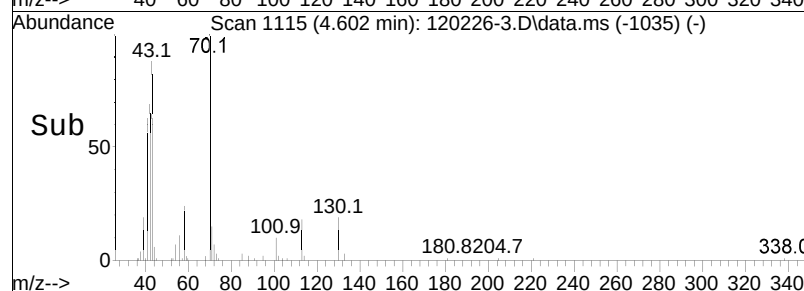
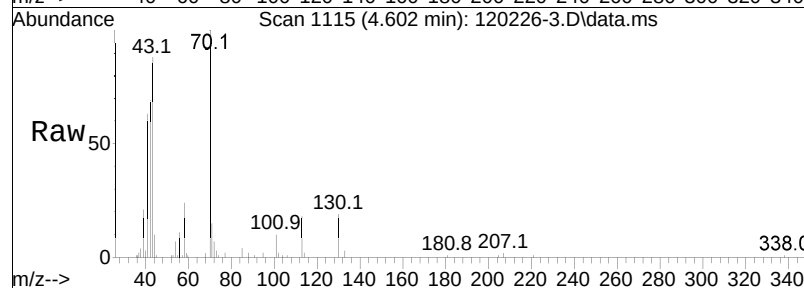
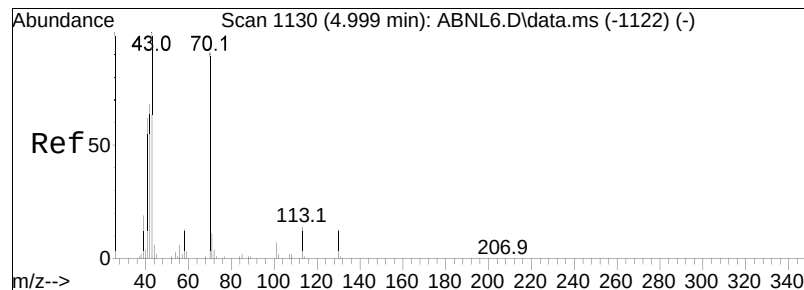




#16
 Hexachloroethane
 Concen: 1.21 ug/ml
 RT: 4.649 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

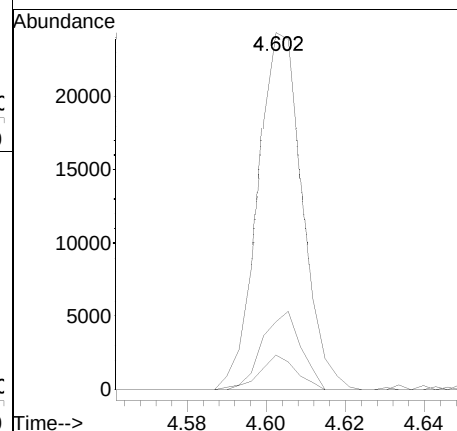
Tgt Ion:	117	Resp:	13125
Ion Ratio	Lower	Upper	
117	100		
201	132.2	58.6	87.8#
199	78.5	36.9	55.3#

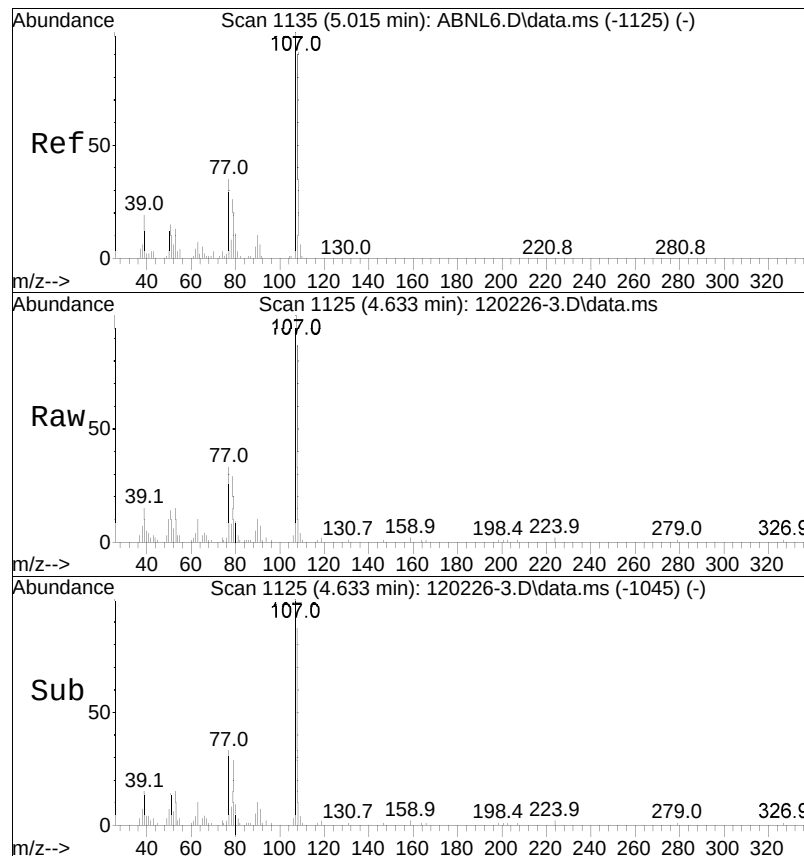




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.19 ug/ml
 RT: 4.602 min Scan# 1115
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

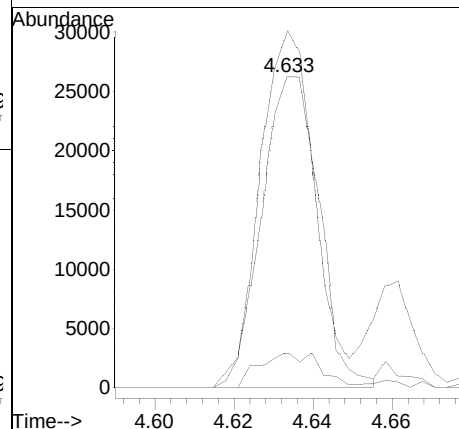
Tgt Ion	Ratio	Lower	Upper
70	100		
130	19.1	18.2	27.4
101	7.8	7.8	11.8

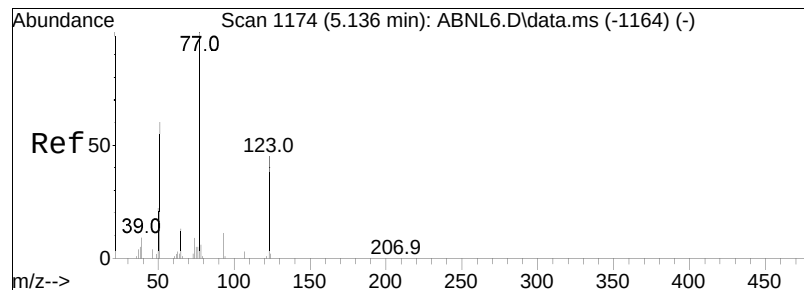




#18
3-Methylphenol/4-Methylphenol
Concen: 1.28 ug/ml
RT: 4.633 min Scan# 1125
Delta R.T. -0.000 min
Lab File: 120226-3.D
Acq: 28 Sep 2025 10:40 pm

Tgt Ion:	108	Resp:	26357
Ion Ratio	Lower	Upper	
108	100		
107	109.1	88.6	132.8
90	11.8	8.8	13.2





#20

Nitrobenzene

Concen: 1.23 ug/ml

RT: 4.727 min Scan# 1155

Delta R.T. -0.000 min

Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm

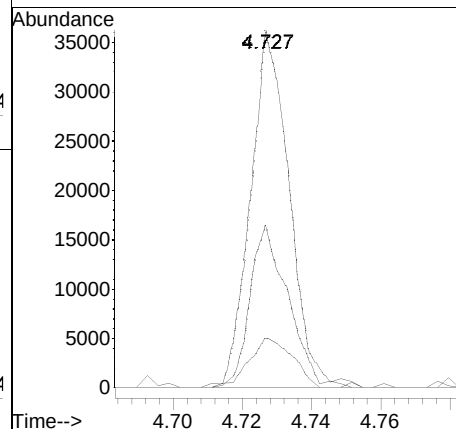
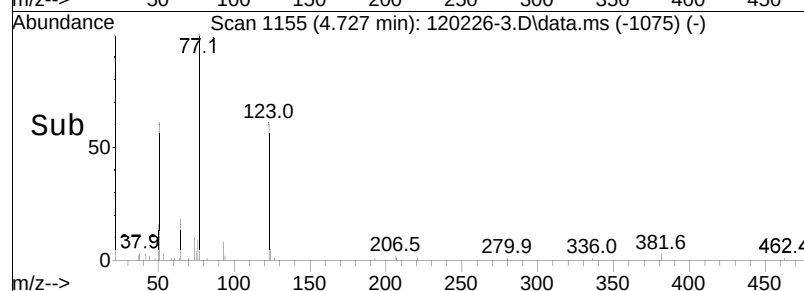
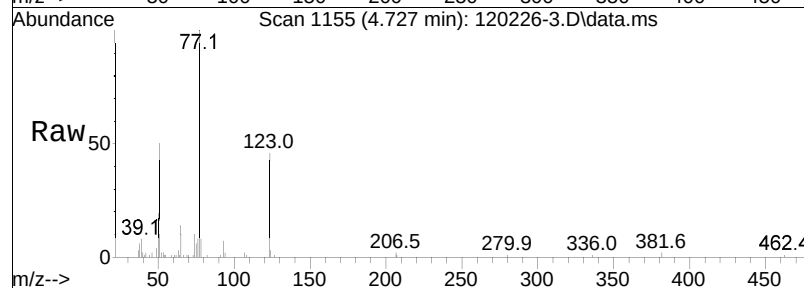
Tgt Ion: 77 Resp: 27993

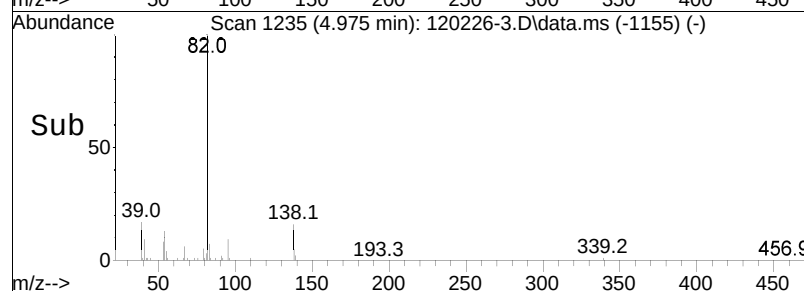
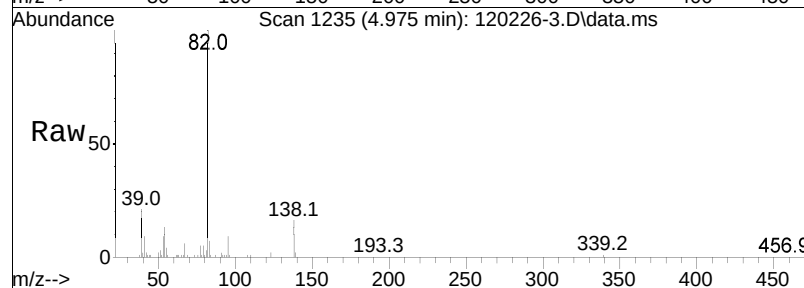
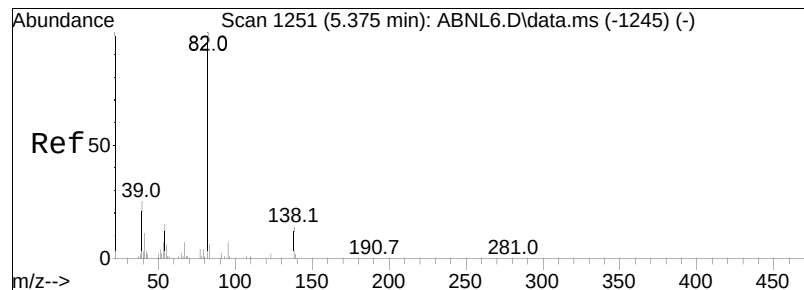
Ion Ratio Lower Upper

77 100

123 44.7 36.3 54.5

65 15.6 11.6 17.4





#21

Isophorone

Concen: 1.26 ug/ml

RT: 4.975 min Scan# 1235

Delta R.T. -0.000 min

Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm

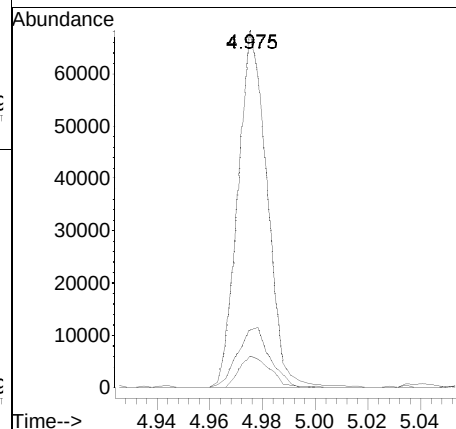
Tgt Ion: 82 Resp: 52069

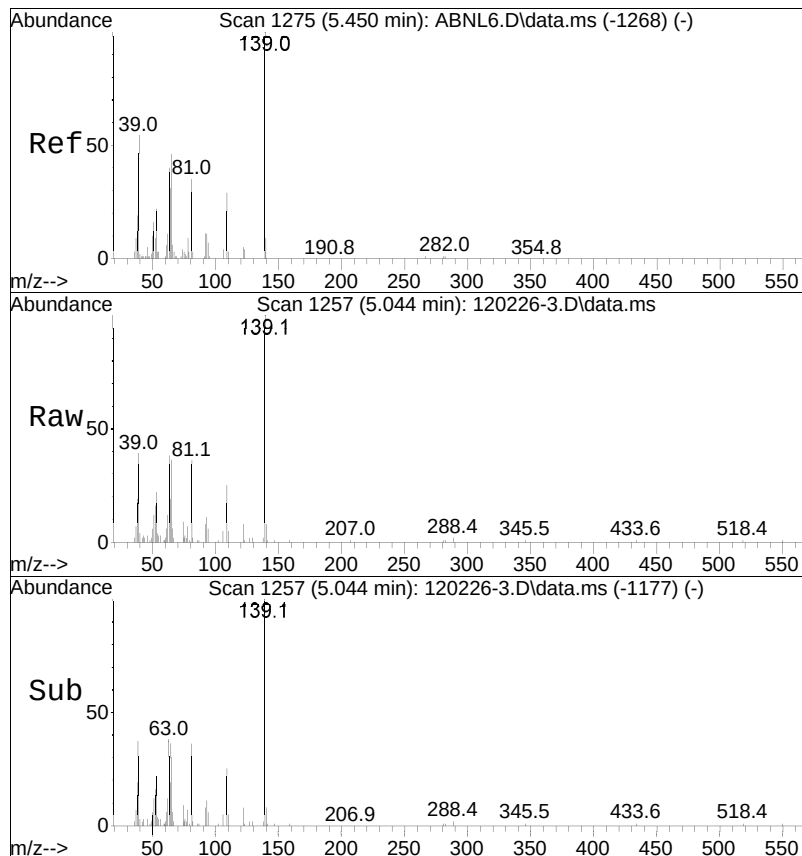
Ion Ratio Lower Upper

82 100

138 18.6 14.7 22.1

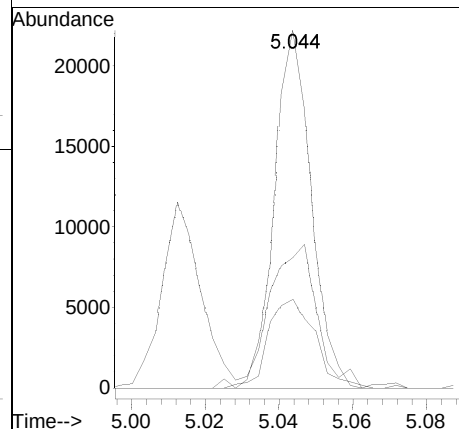
95 9.4 5.2 7.8#

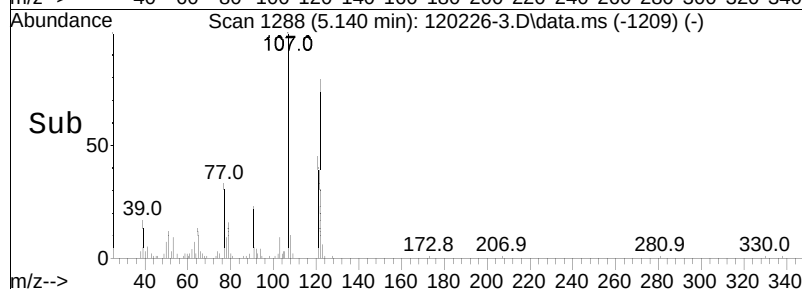
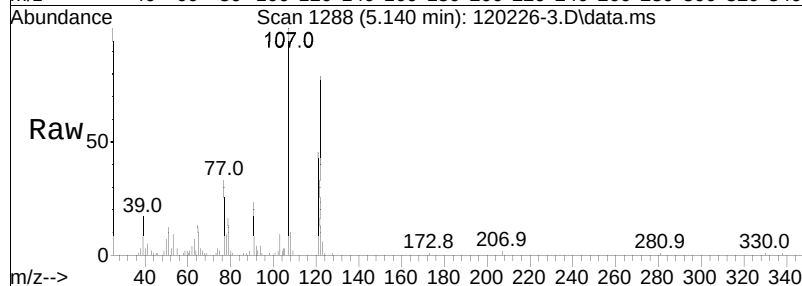
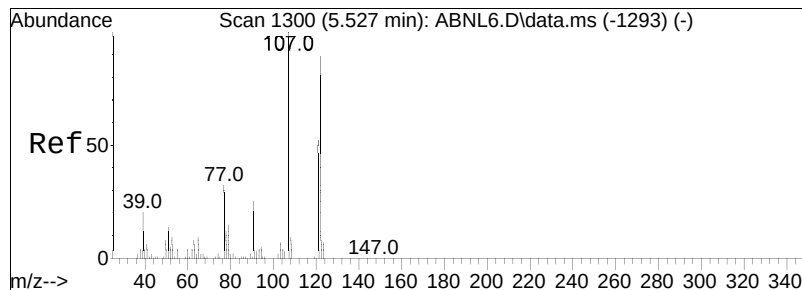




#22
 2-Nitrophenol
 Concen: 1.45 ug/ml
 RT: 5.044 min Scan# 1257
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	15418		
109	31.2		19.4	29.0#
65	48.3		46.1	69.1





#23

2,4-Dimethylphenol

Concen: 1.32 ug/ml

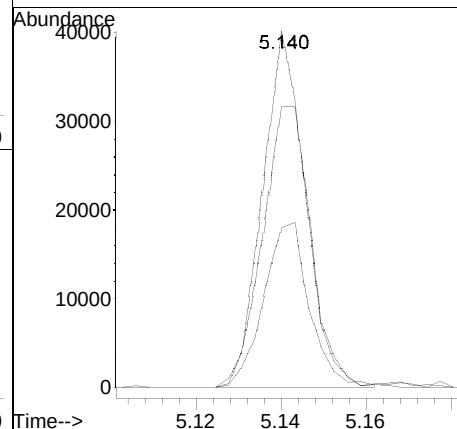
RT: 5.140 min Scan# 1288

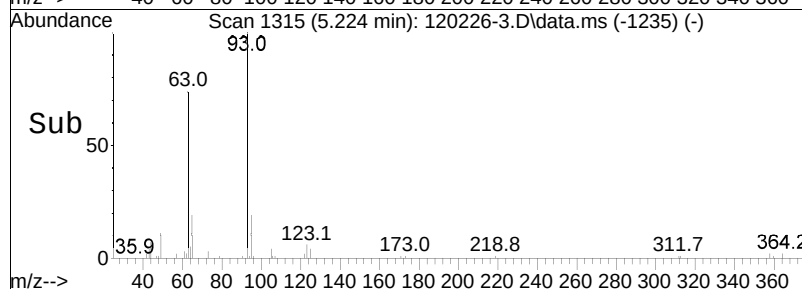
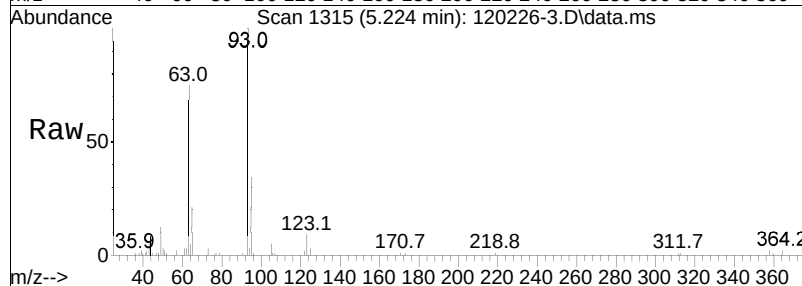
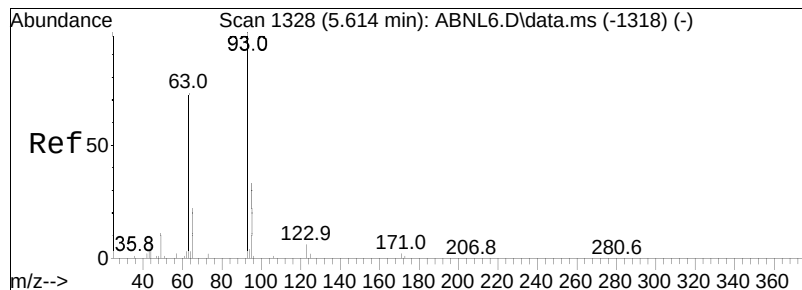
Delta R.T. -0.003 min

Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm

Tgt Ion:	107	Resp:	28096
Ion Ratio	Lower	Upper	
107	100		
121	49.5	40.0	60.0
122	88.6	70.2	105.4





#24

Bis(2-chloroethoxy)methane

Concen: 1.15 ug/ml

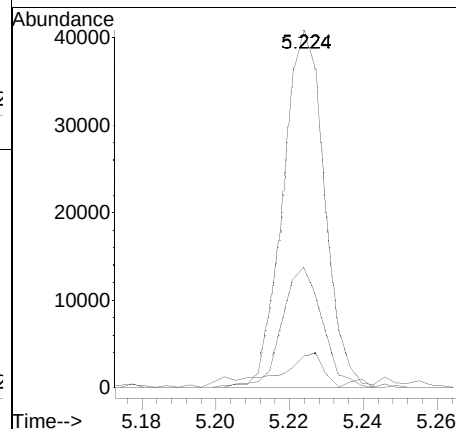
RT: 5.224 min Scan# 1315

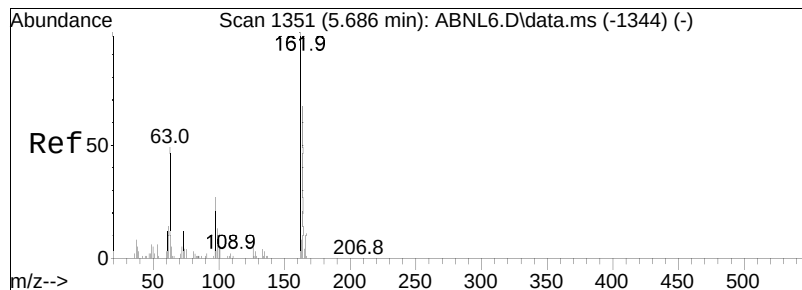
Delta R.T. -0.000 min

Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm

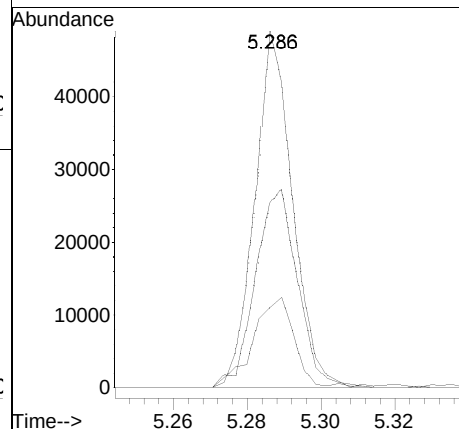
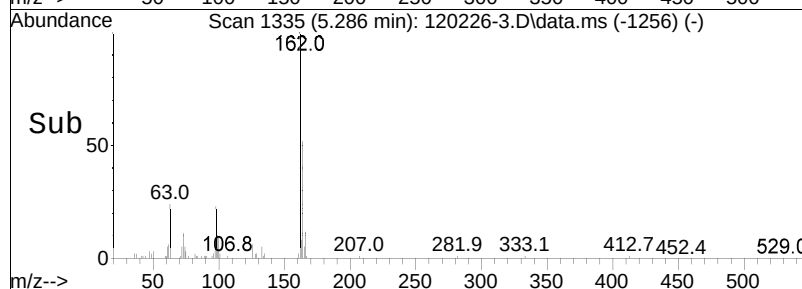
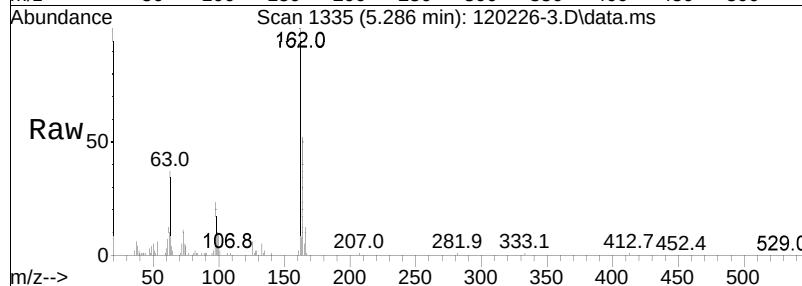
Tgt	Ion: 93	Resp:	31709
Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	12.1	10.1	15.1

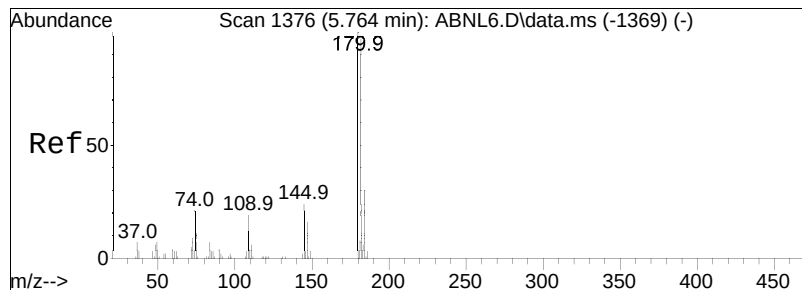




#25
 2,4-Dichlorophenol
 Concen: 1.45 ug/ml
 RT: 5.286 min Scan# 1335
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

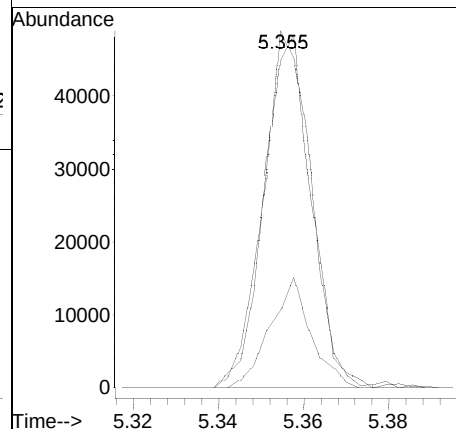
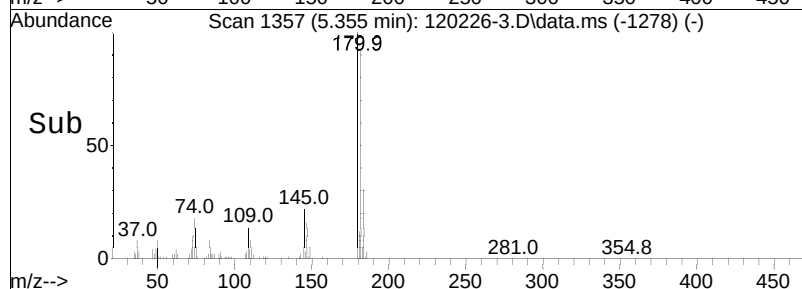
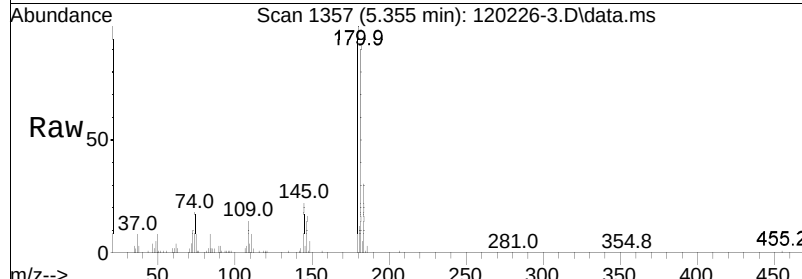
Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.4	51.0	76.4
98	27.5	32.2	48.2

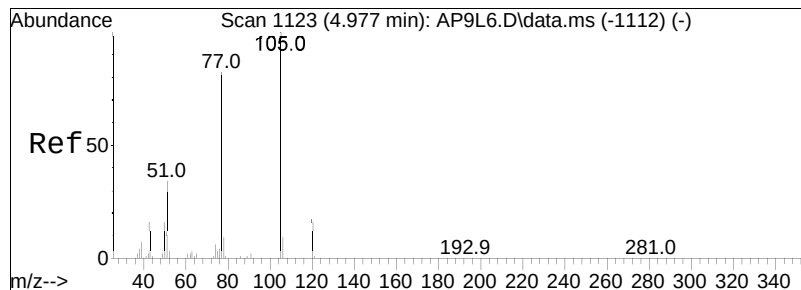




#26
 1,2,4-Trichlorobenzene
 Concen: 1.28 ug/ml
 RT: 5.355 min Scan# 1357
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	38326		
182	97.2		76.0	114.0
145	26.5		25.7	38.5





#29

Acetophenone

Concen: 1.18 ug/ml

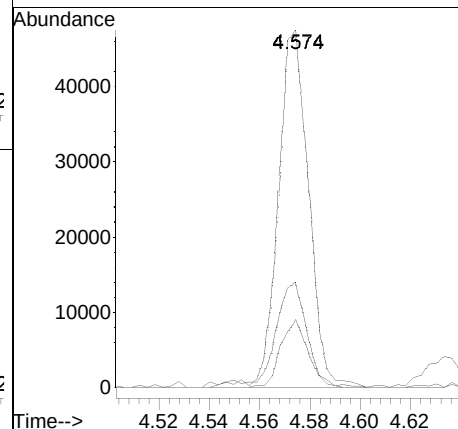
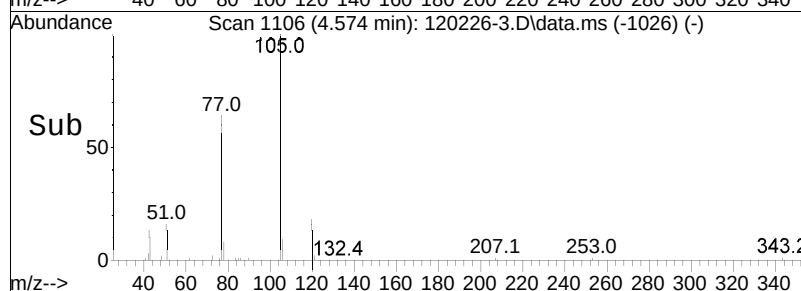
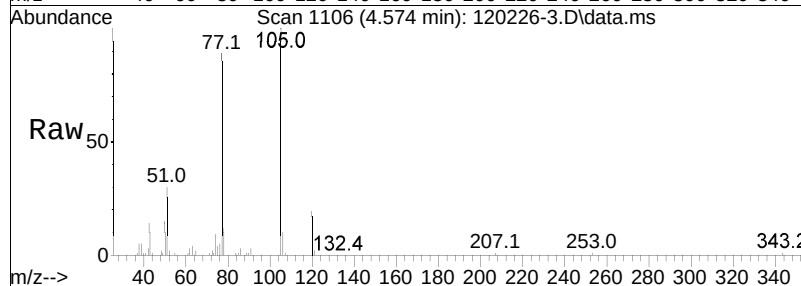
RT: 4.574 min Scan# 1106

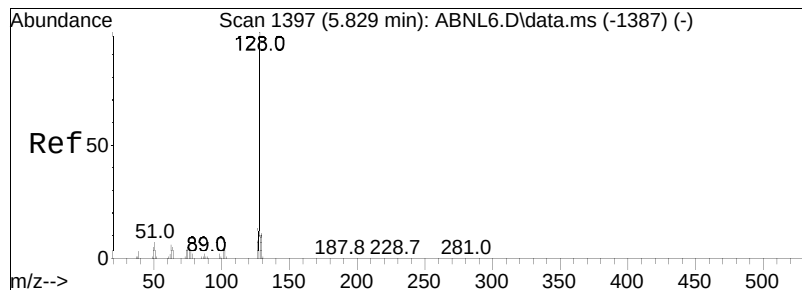
Delta R.T. 0.000 min

Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm

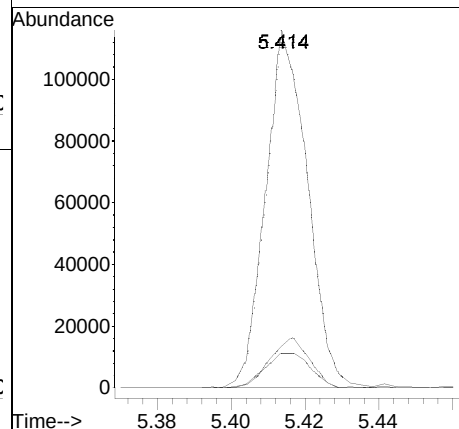
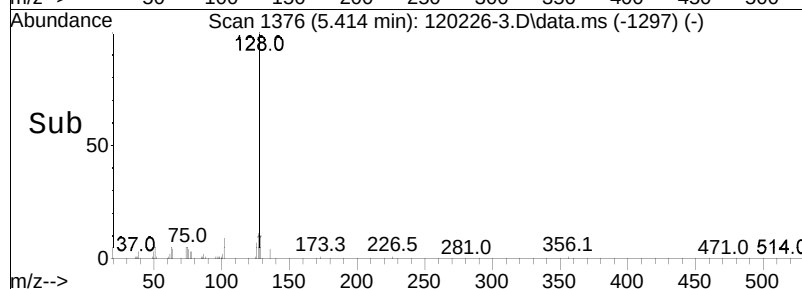
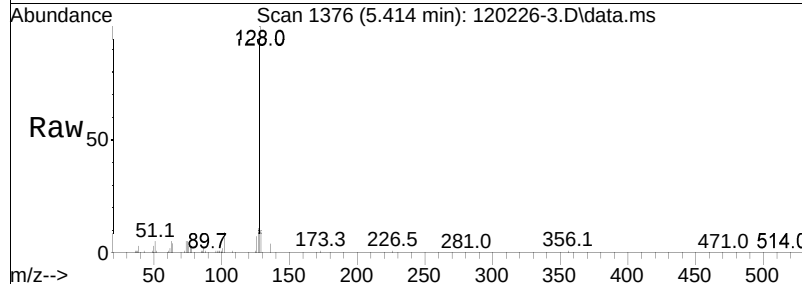
Tgt	Ion:105	Resp:	39396
Ion	Ratio	Lower	Upper
105	100		
120	17.1	20.5	30.7#
51	30.0	34.9	52.3#

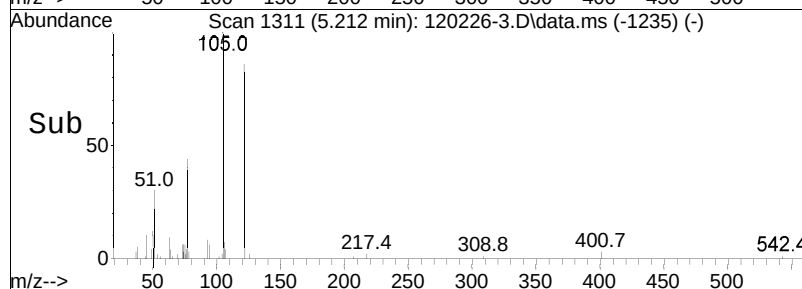
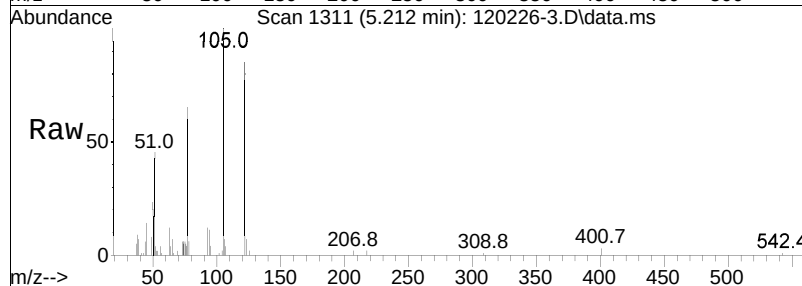
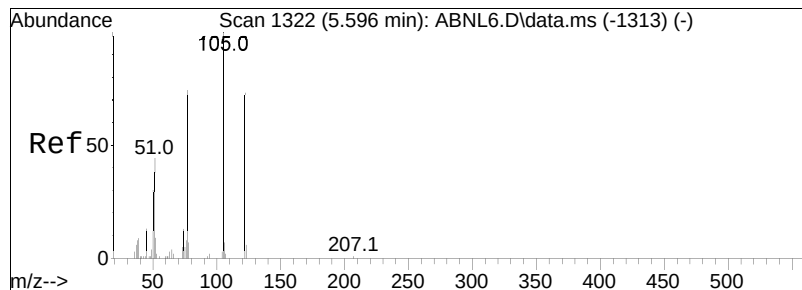




#38
Naphthalene
Concen: 1.22 ug/ml
RT: 5.414 min Scan# 1376
Delta R.T. -0.003 min
Lab File: 120226-3.D
Acq: 28 Sep 2025 10:40 pm

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	90065		
129	10.8		8.7	13.1
127	13.5		10.3	15.5





#39

Benzoic Acid

Concen: 1.71 ug/ml M3

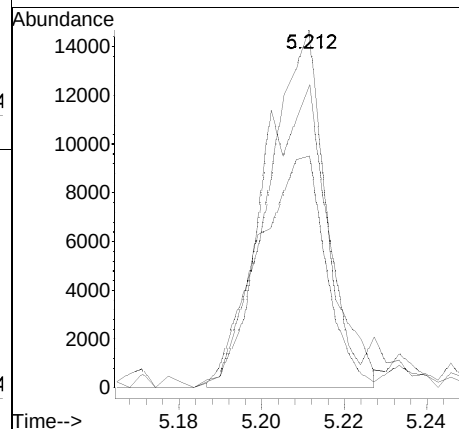
RT: 5.212 min Scan# 1311

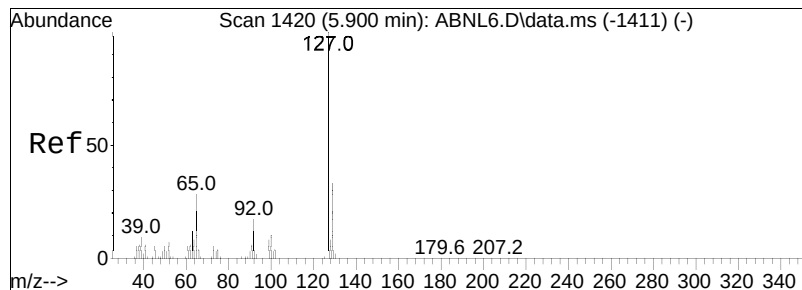
Delta R.T. -0.012 min

Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm

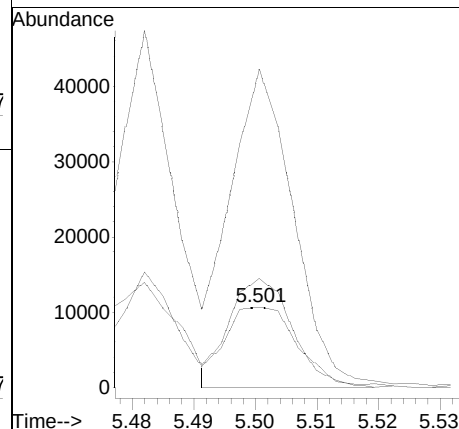
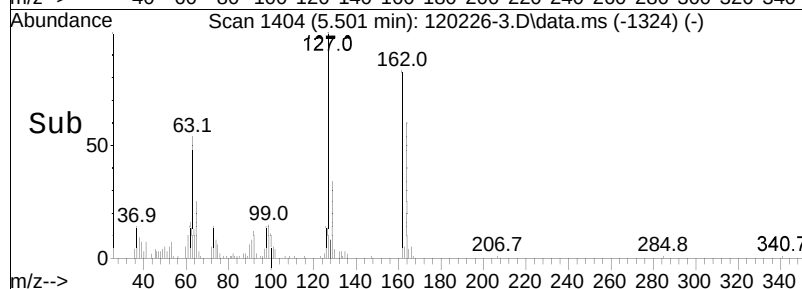
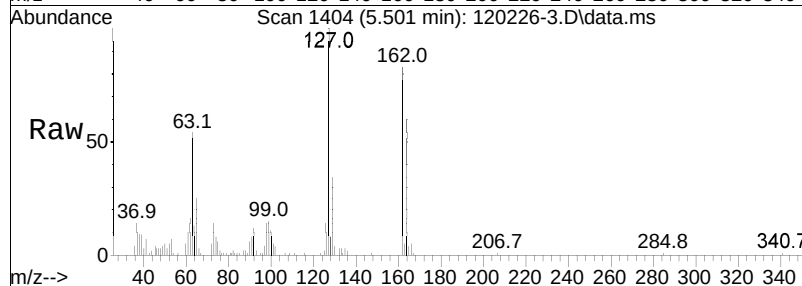
Tgt	Ion:105	Resp:	14757
Ion	Ratio	Lower	Upper
105	100		
122	0.0	59.9	89.9#
77	0.0	60.1	90.1#

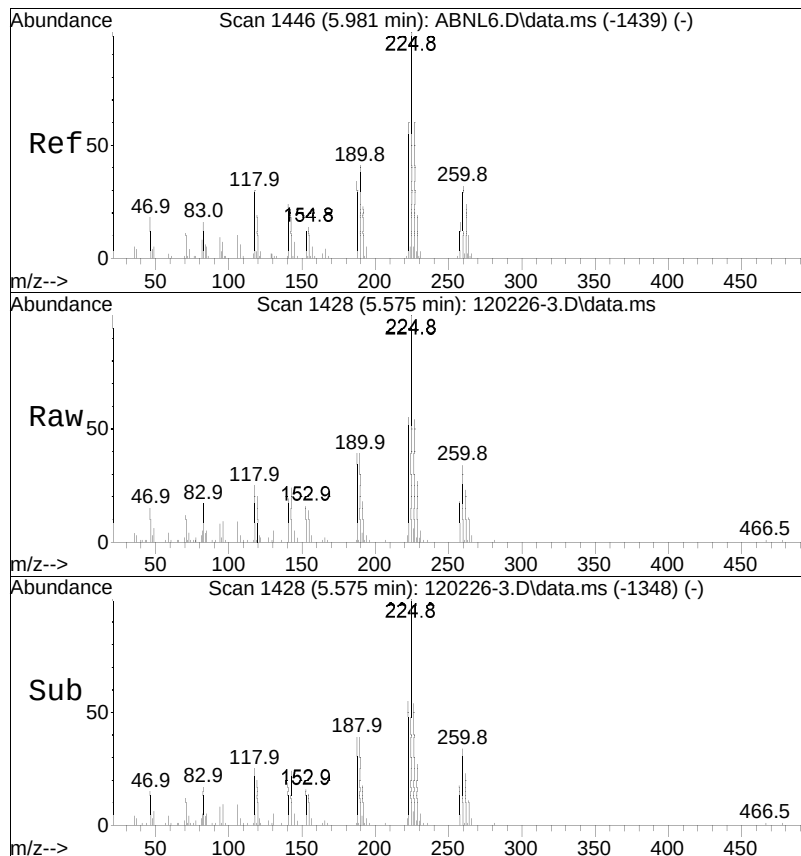




#40
 4-Chloroaniline
 Concen: 0.92 ug/ml M3
 RT: 5.501 min Scan# 1404
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

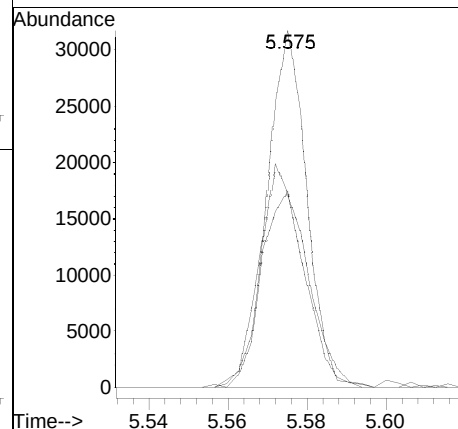
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	8634		
127	379.3	237.6	356.4#	
129	135.8	76.3	114.5#	

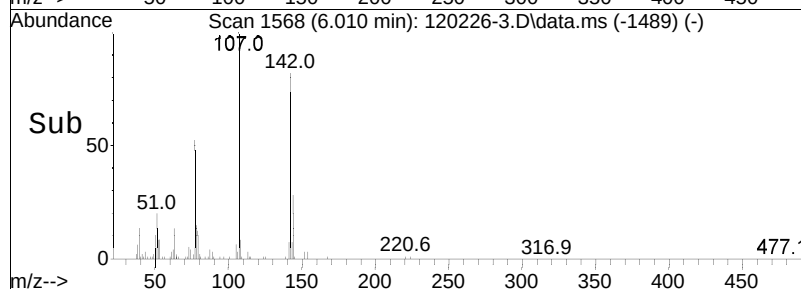
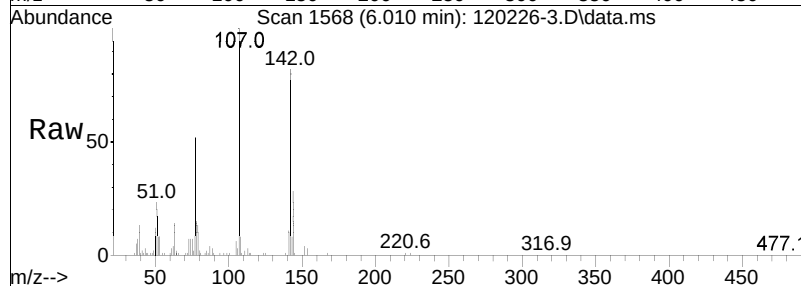
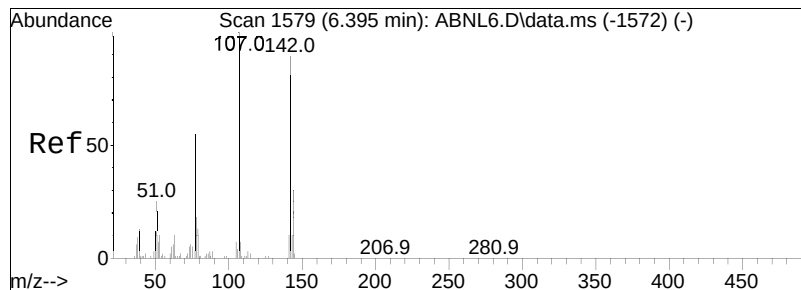




#41
 Hexachlorobutadiene
 Concen: 1.13 ug/ml
 RT: 5.575 min Scan# 1428
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

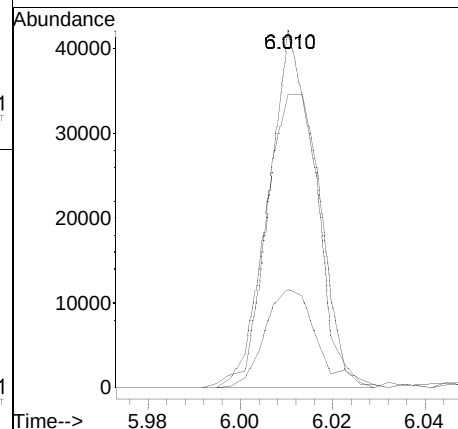
Tgt Ion:	225	Resp:	22688
Ion Ratio	Lower	Upper	
225	100		
223	60.6	50.3	75.5
227	68.4	52.2	78.2

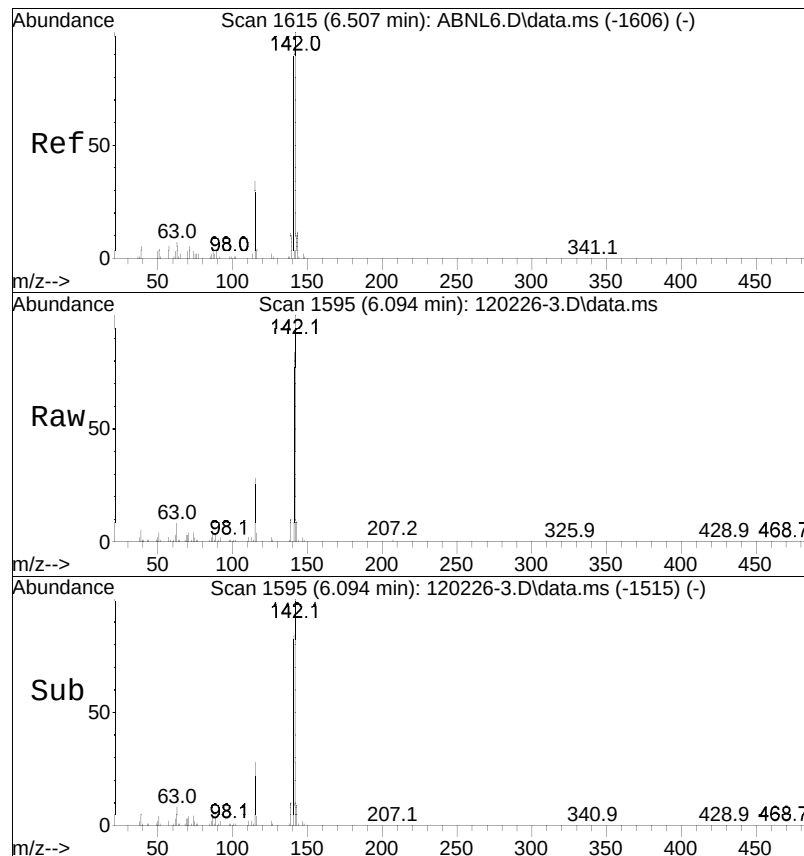




#42
 p-Chloro-m-cresol
 Concen: 1.49 ug/ml
 RT: 6.010 min Scan# 1568
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

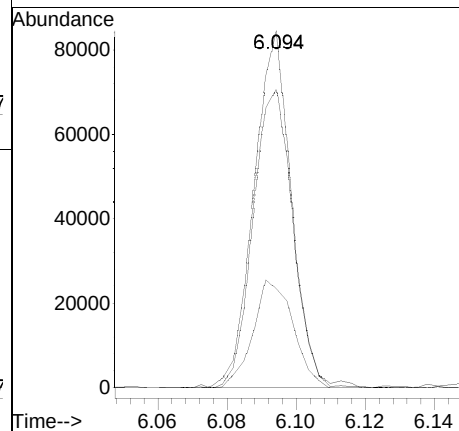
Tgt Ion:	107	Resp:	29142
Ion Ratio	Lower	Upper	
107	100		
144	30.9	20.9	31.3
142	97.4	66.1	99.1

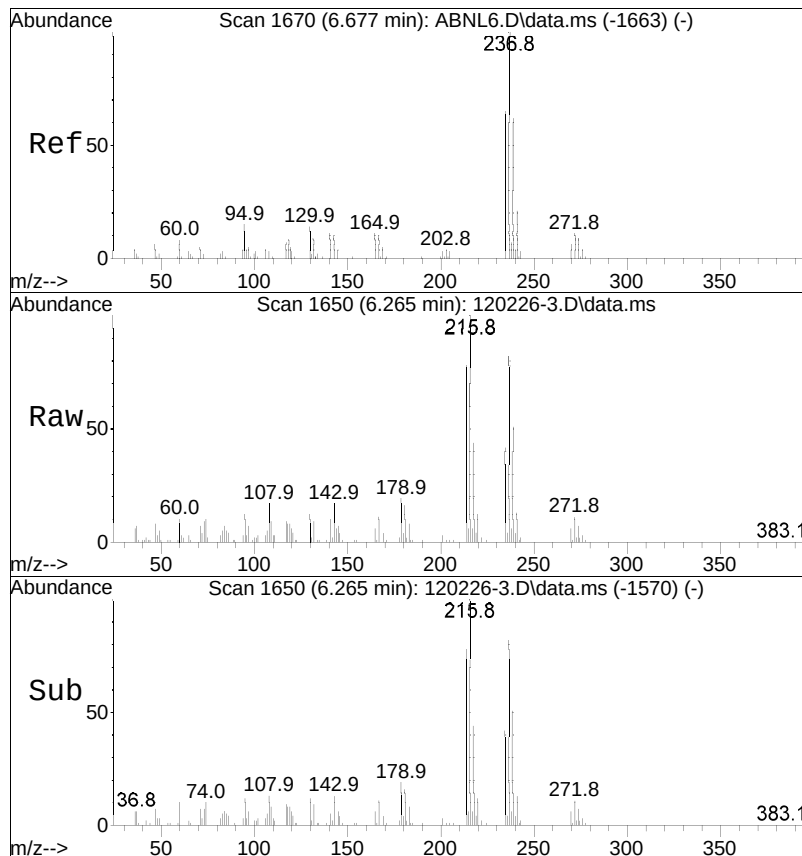




#43
 2-Methylnaphthalene
 Concen: 1.31 ug/ml
 RT: 6.094 min Scan# 1595
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

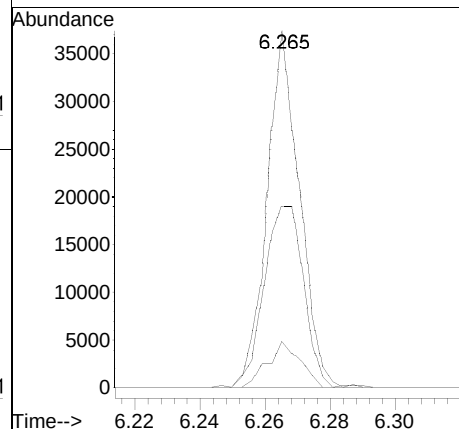
Tgt Ion:	142	Resp:	63814
Ion Ratio	Lower	Upper	
142	100		
141	88.4	69.6	104.4
115	32.5	26.6	40.0

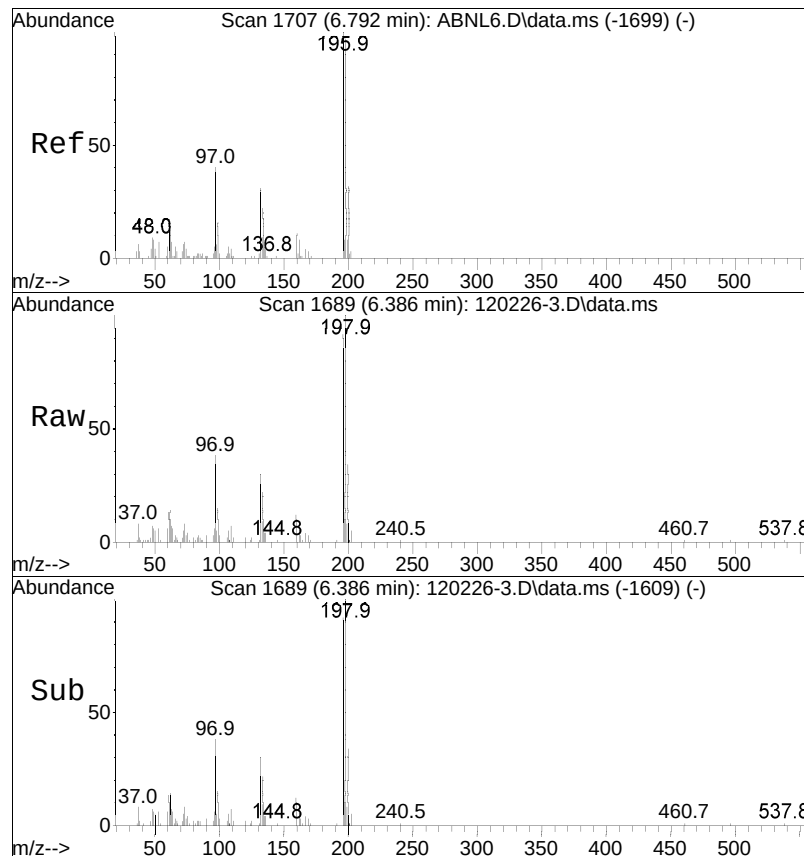




#45
 Hexachlorocyclopentadiene
 Concen: 1.14 ug/ml
 RT: 6.265 min Scan# 1650
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

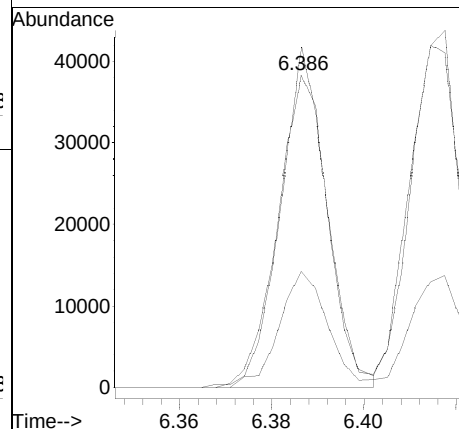
Tgt Ion:	237	Resp:	25839
Ion Ratio	Lower	Upper	
237	100		
235	62.2	49.7	74.5
272	13.1	9.8	14.6

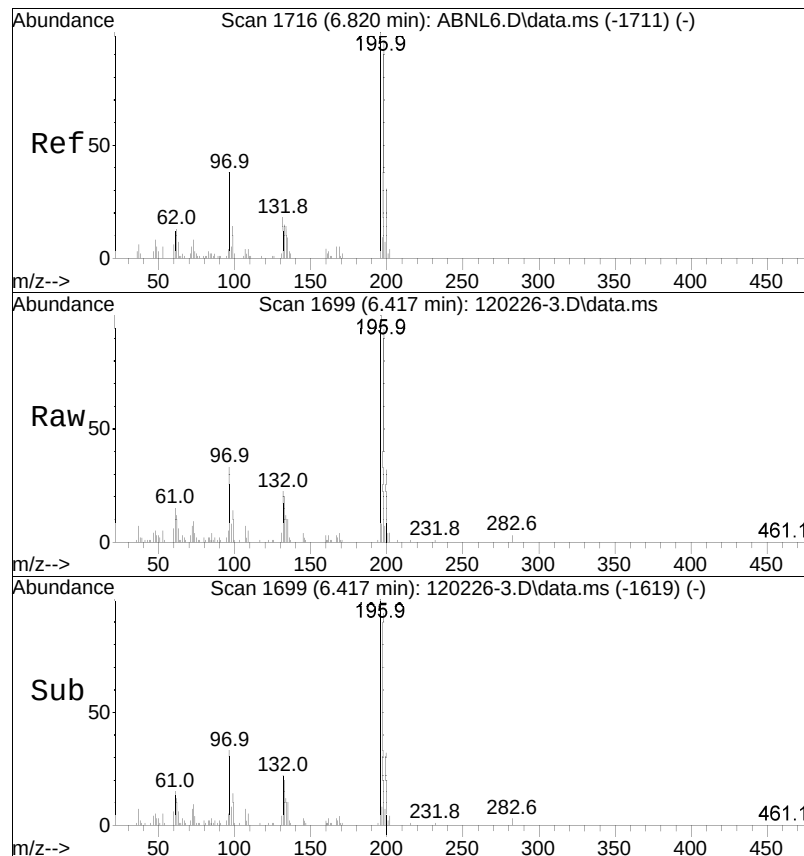




#46
 2,4,6-Trichlorophenol
 Concen: 1.39 ug/ml
 RT: 6.386 min Scan# 1689
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

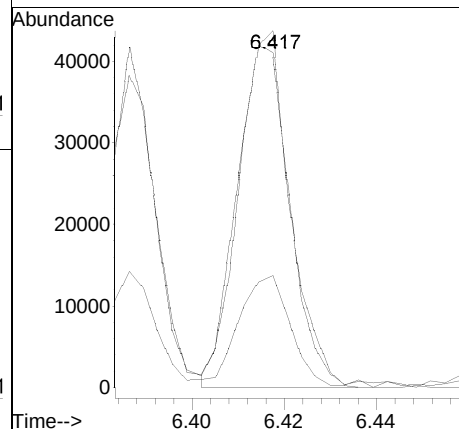
Tgt Ion:	196	Resp:	29112
Ion Ratio	Lower	Upper	
196	100		
198	100.4	77.5	116.3
200	35.5	23.8	35.6

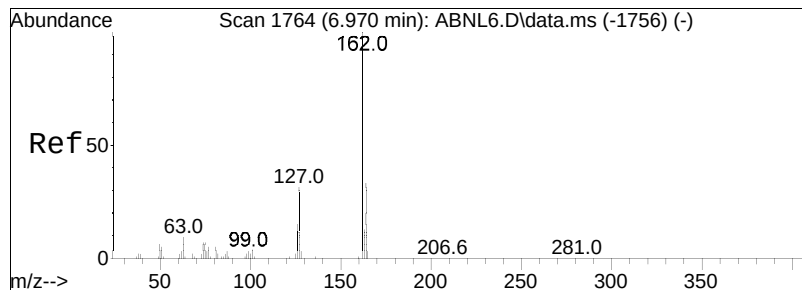




#47
 2,4,5-Trichlorophenol
 Concen: 1.49 ug/ml
 RT: 6.417 min Scan# 1699
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

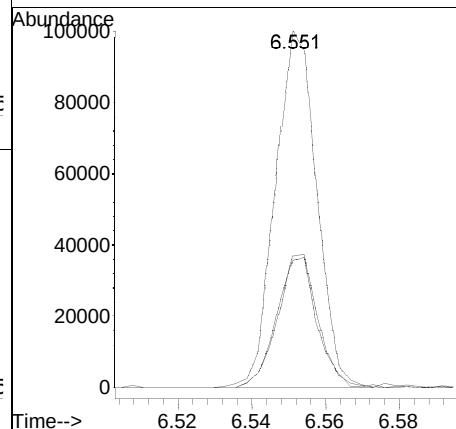
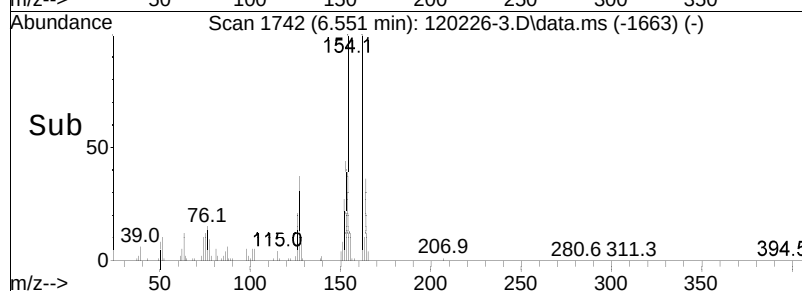
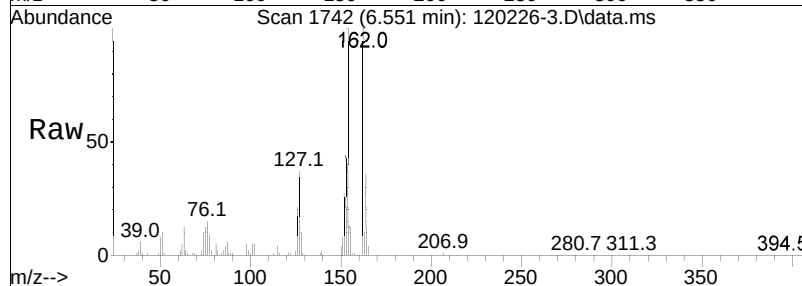
Tgt Ion:	196	Resp:	34466
Ion Ratio	Lower	Upper	
196	100		
200	31.6	25.4	38.0
198	95.3	78.0	117.0

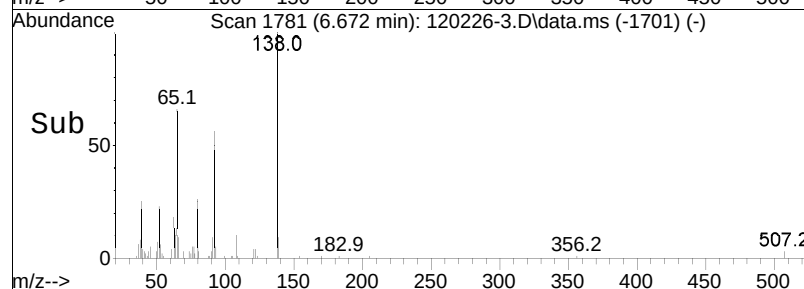
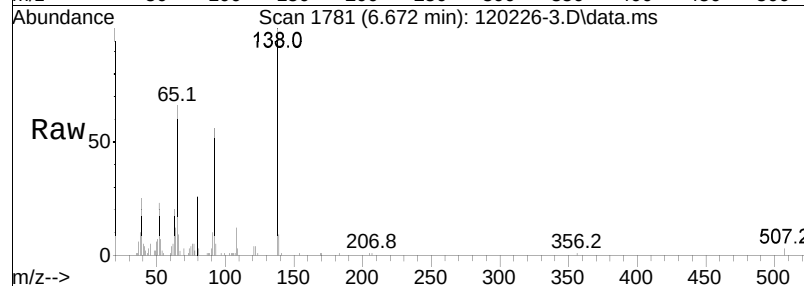
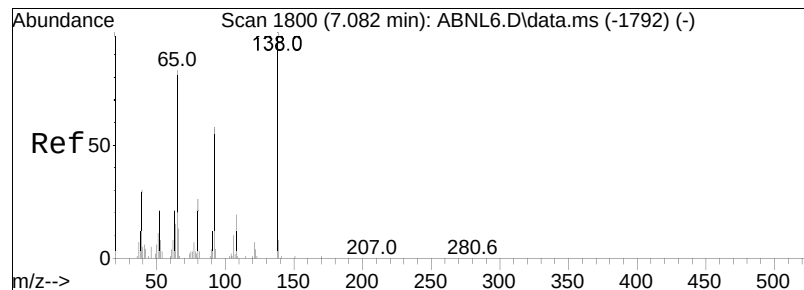




#49
 2-Chloronaphthalene
 Concen: 1.28 ug/ml
 RT: 6.551 min Scan# 1742
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

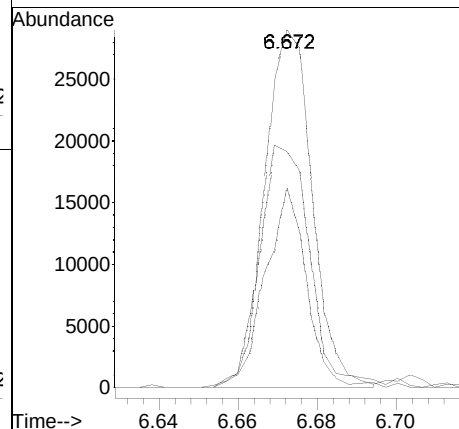
Tgt	Ion:162	Resp:	77491
Ion	Ratio	Lower	Upper
162	100		
127	36.5	32.2	48.4
164	35.7	25.7	38.5

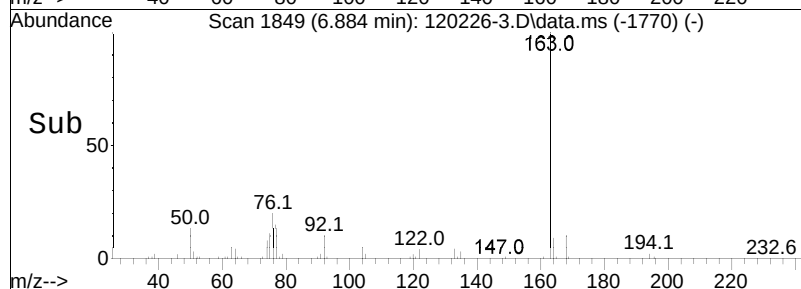
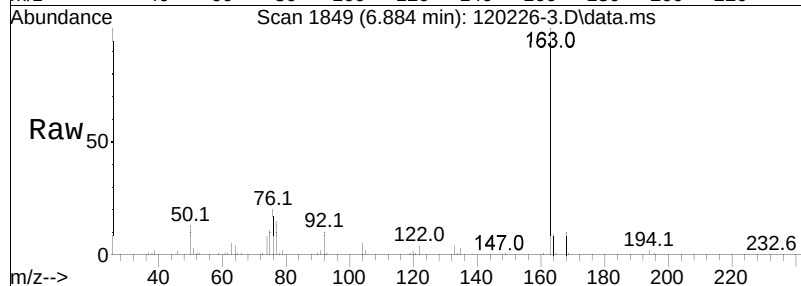
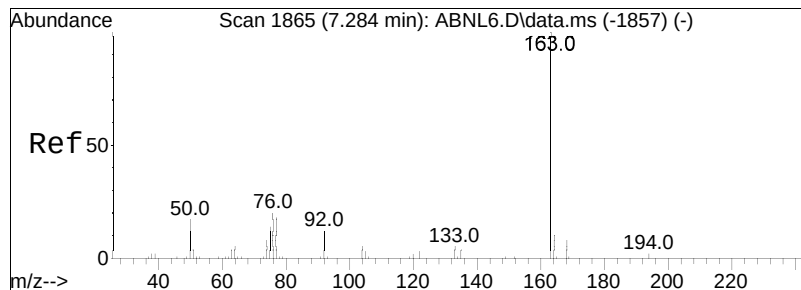




#50
 2-Nitroaniline
 Concen: 1.58 ug/ml
 RT: 6.672 min Scan# 1781
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	23997		
92	49.0		53.5	80.3#
65	72.5		86.3	129.5#





#53

Dimethyl phthalate

Concen: 1.37 ug/ml

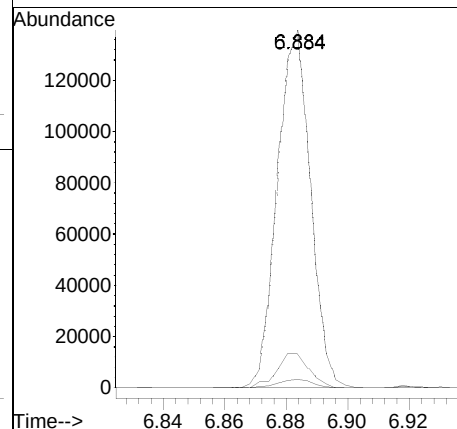
RT: 6.884 min Scan# 1849

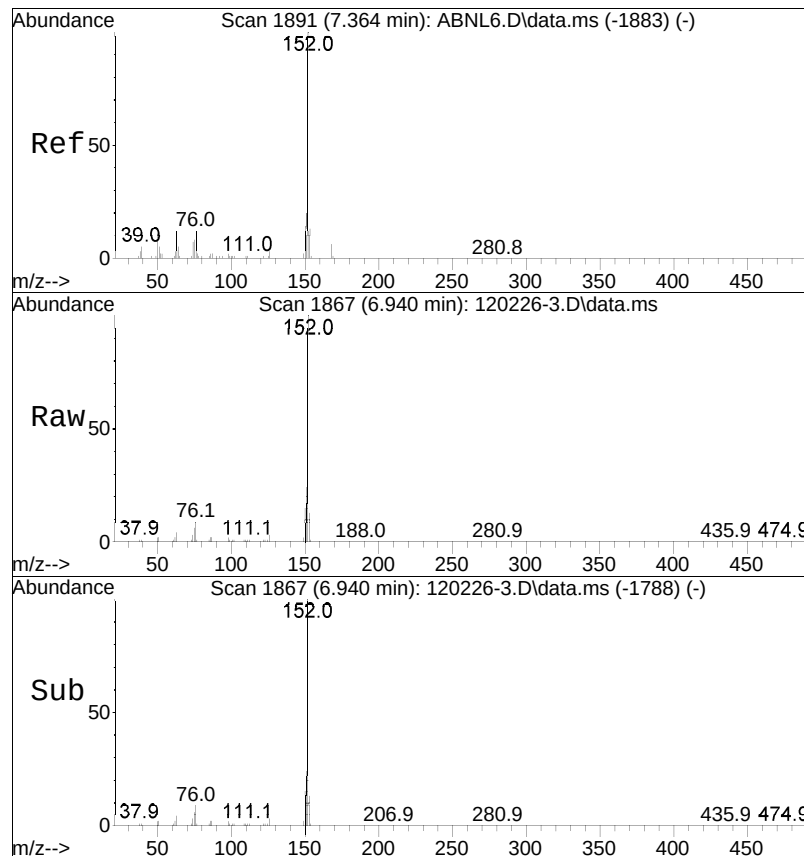
Delta R.T. -0.003 min

Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm

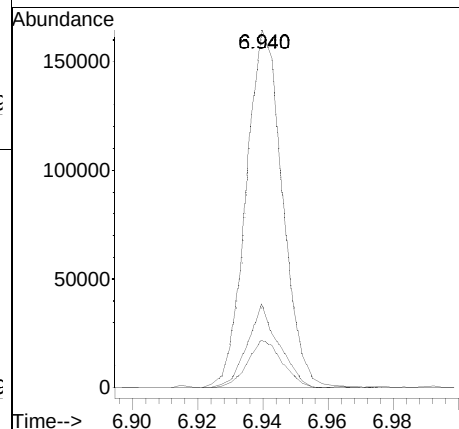
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	103483		
194	2.6		3.5	5.3#
164	9.5		7.9	11.9

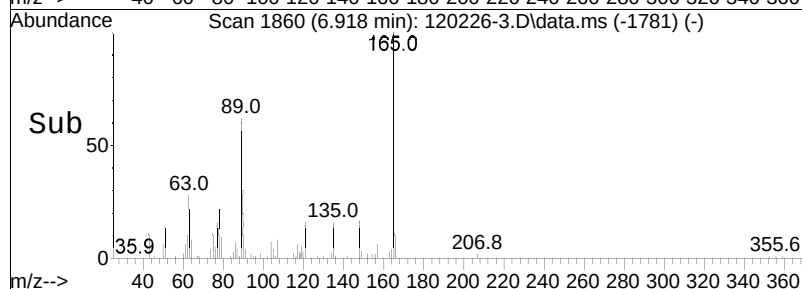
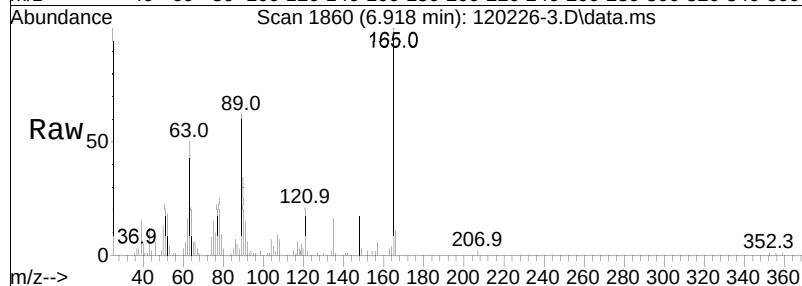
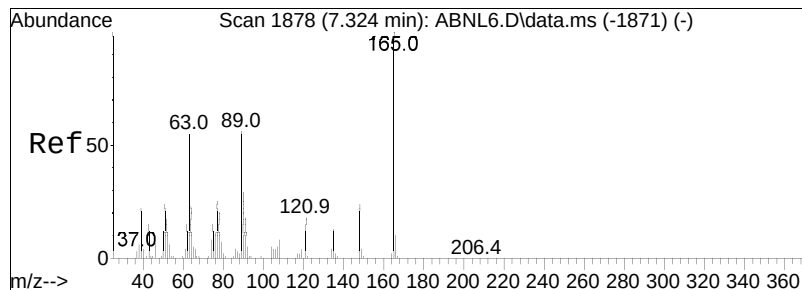




#54
 Acenaphthylene
 Concen: 1.35 ug/ml
 RT: 6.940 min Scan# 1867
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

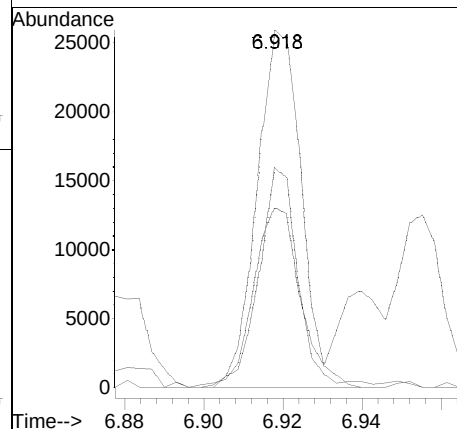
Tgt Ion:	152	Resp:	127129
Ion Ratio	Lower	Upper	
152	100		
151	20.4	15.8	23.6
153	12.9	10.5	15.7

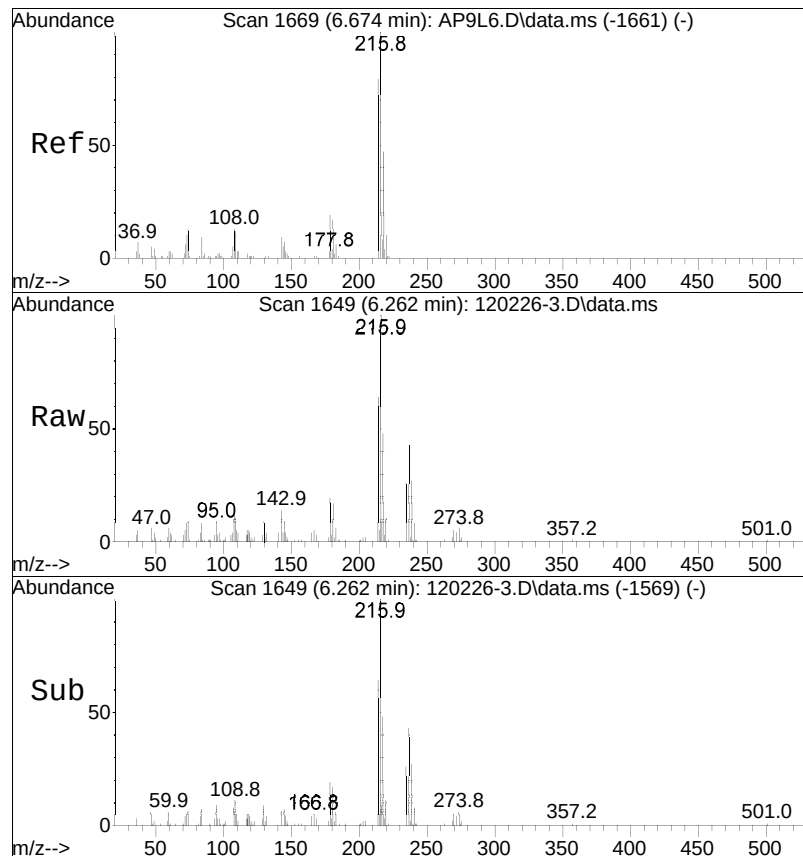




#55
 2,6-Dinitrotoluene
 Concen: 1.35 ug/ml
 RT: 6.918 min Scan# 1860
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

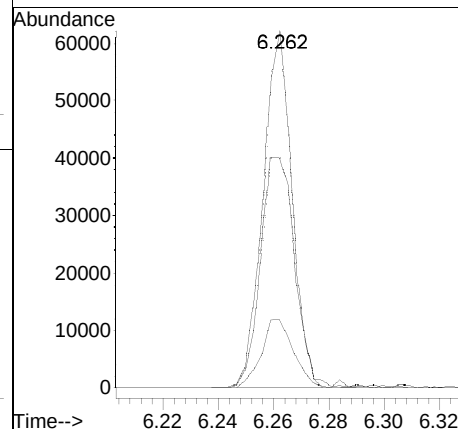
Tgt Ion	Ratio	Lower	Upper
165	100		
89	55.0	54.2	81.2
63	52.6	64.2	96.2#

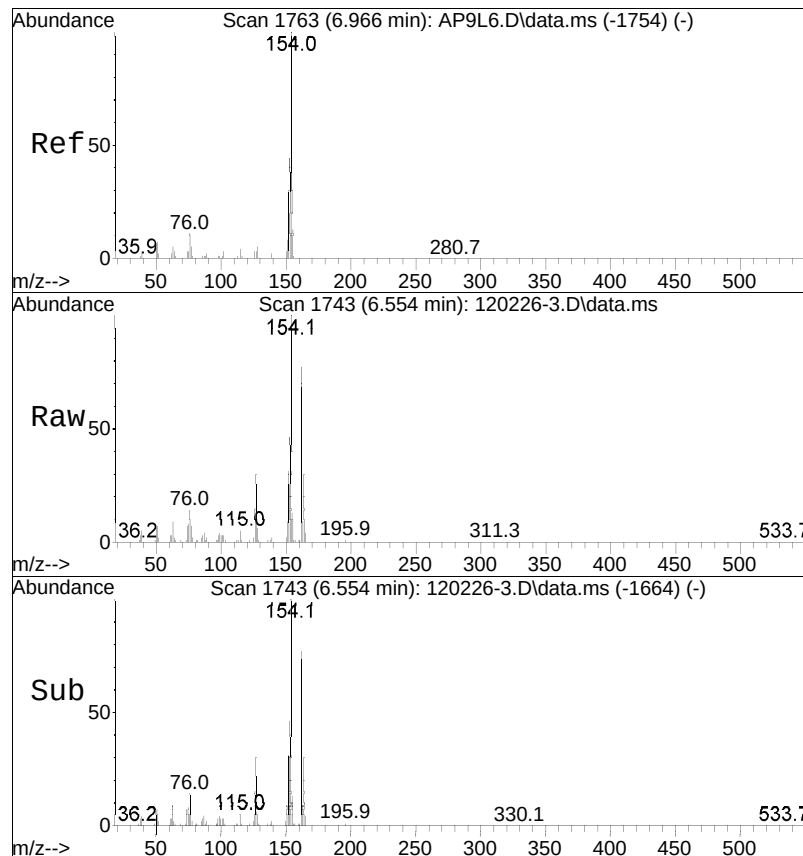




#63
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.22 ug/ml
 RT: 6.262 min Scan# 1649
 Delta R.T. 0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

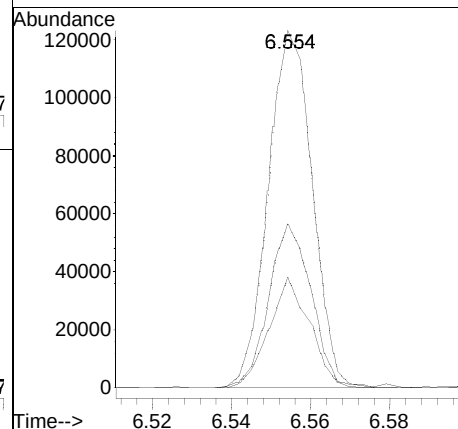
Tgt Ion:	216	Resp:	45201
Ion Ratio	Lower	Upper	
216	100		
214	75.0	63.7	95.5
179	21.3	19.0	28.6

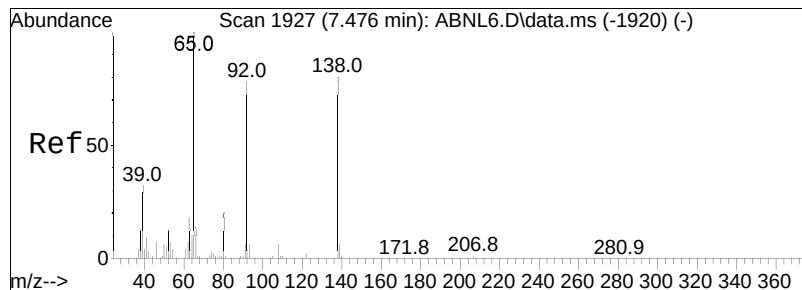




#64
 Biphenyl
 Concen: 1.25 ug/ml
 RT: 6.554 min Scan# 1743
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

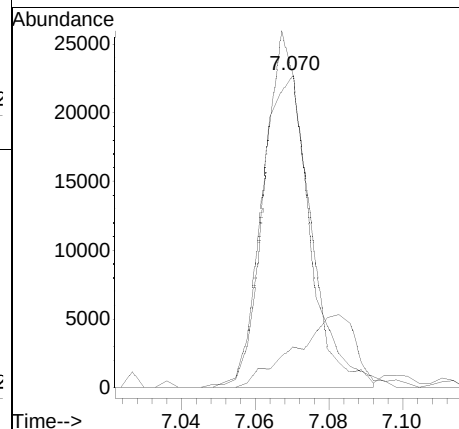
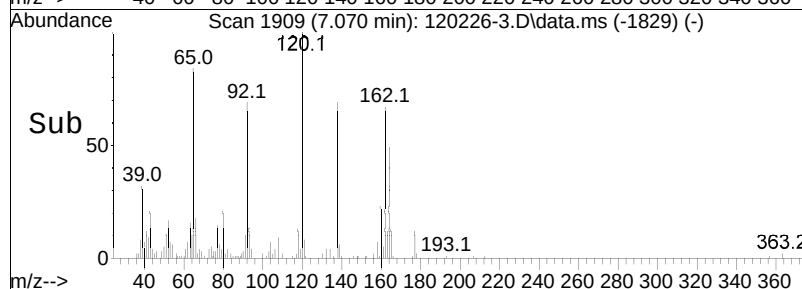
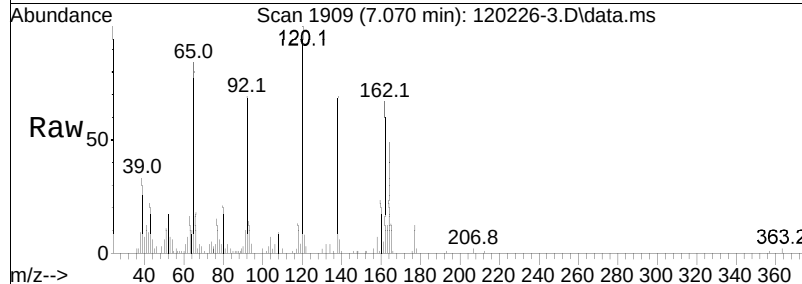
Tgt Ion:	154	Resp:	95179
Ion Ratio	Lower	Upper	
154	100		
153	44.5	32.3	48.5
152	28.8	22.5	33.7

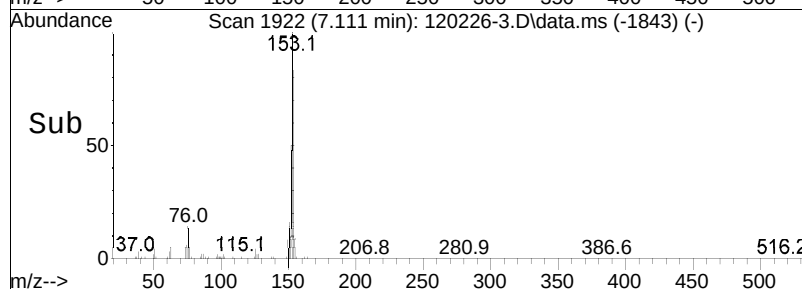
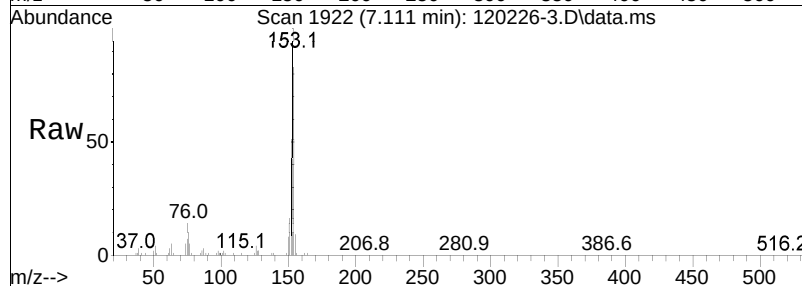
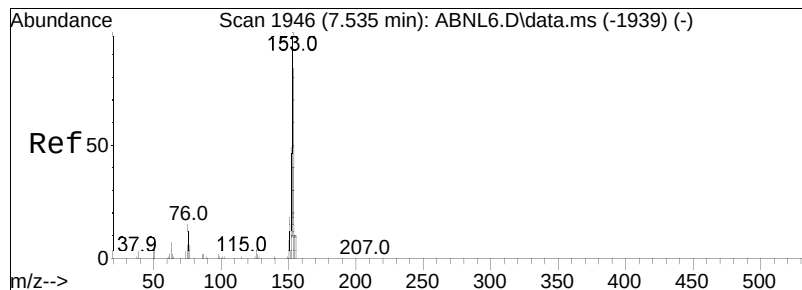




#66
 3-Nitroaniline
 Concen: 1.39 ug/ml
 RT: 7.070 min Scan# 1909
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

Tgt Ion:	138	Resp:	20394
Ion Ratio	Lower	Upper	
138	100		
92	106.9	93.4	140.2
108	30.3	9.5	14.3#





#67

Acenaphthene

Concen: 1.28 ug/ml

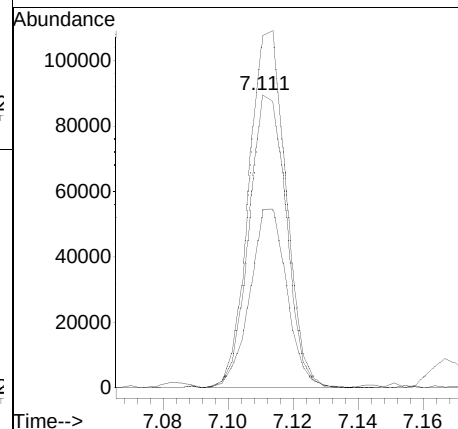
RT: 7.111 min Scan# 1922

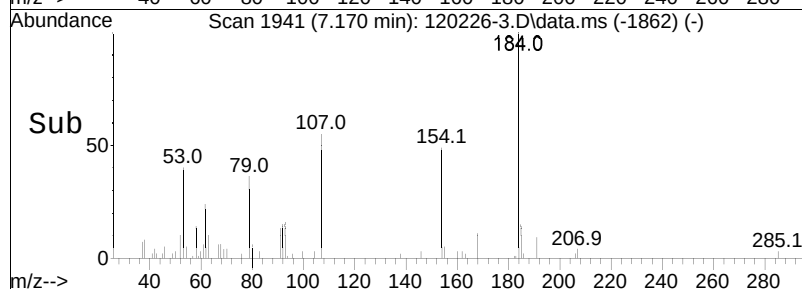
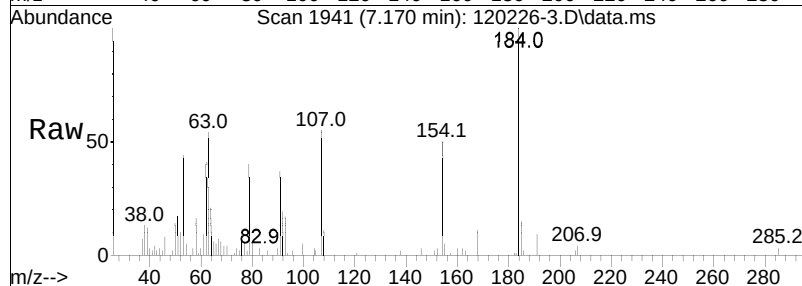
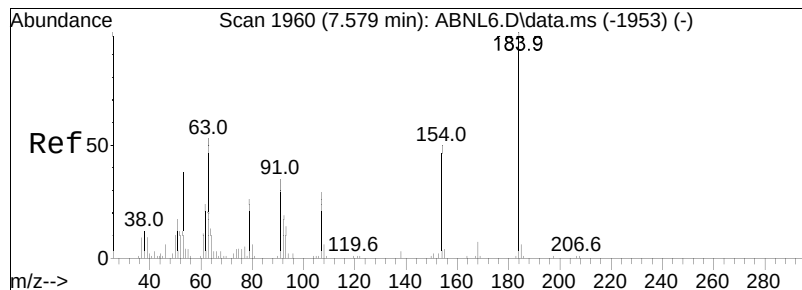
Delta R.T. -0.003 min

Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm

Tgt Ion:	154	Resp:	71104
Ion Ratio	Lower	Upper	
154	100		
153	121.7	85.3	127.9
152	60.9	41.4	62.0





#68

2,4-Dinitrophenol

Concen: 1.55 ug/ml

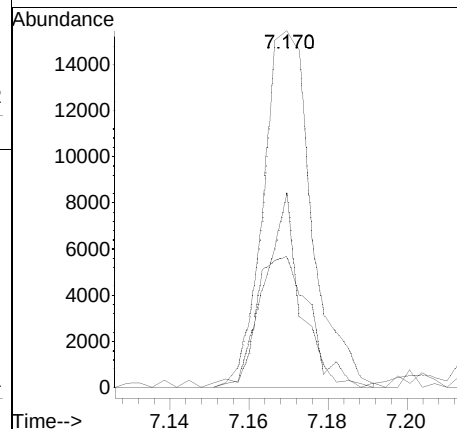
RT: 7.170 min Scan# 1941

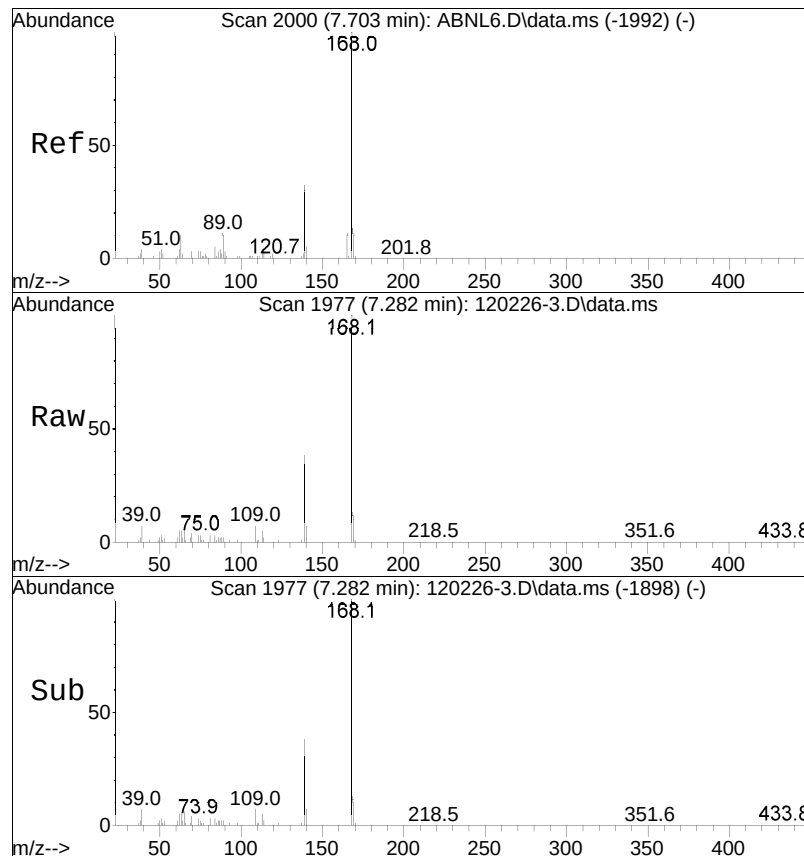
Delta R.T. -0.003 min

Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm

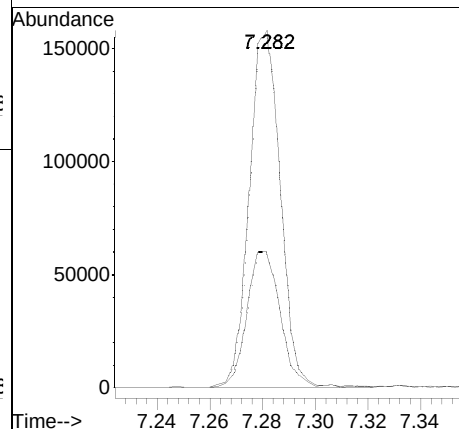
Tgt Ion	Ratio	Lower	Upper
184	100		
107	40.3	37.7	56.5
91	40.1	46.3	69.5

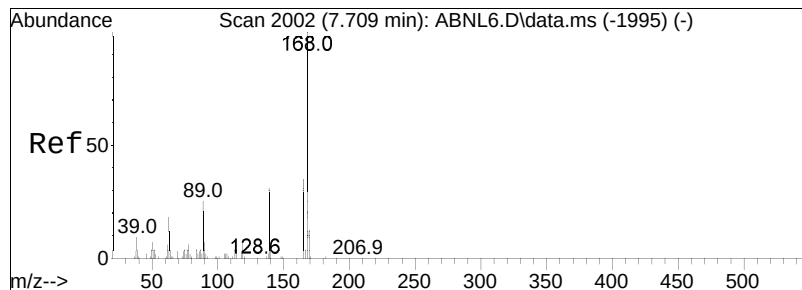




#69
 Dibenzofuran
 Concen: 1.32 ug/ml
 RT: 7.282 min Scan# 1977
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

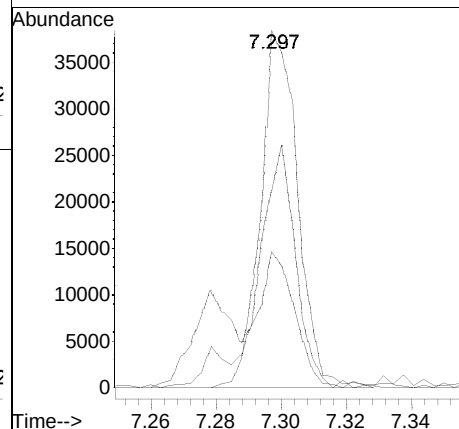
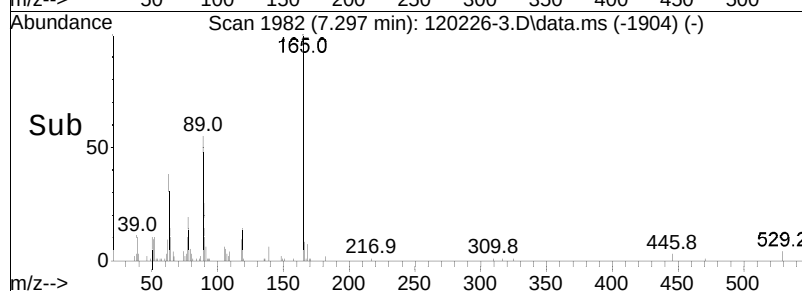
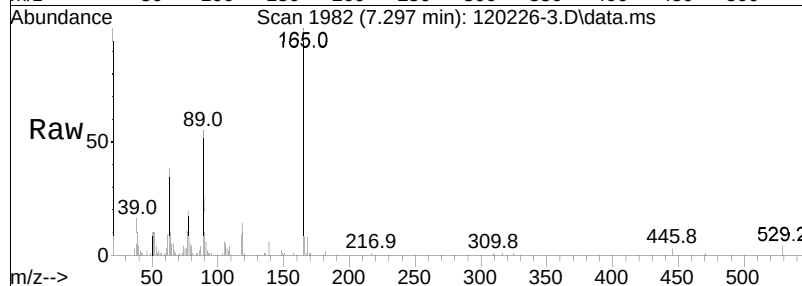
Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.1	31.4	47.2

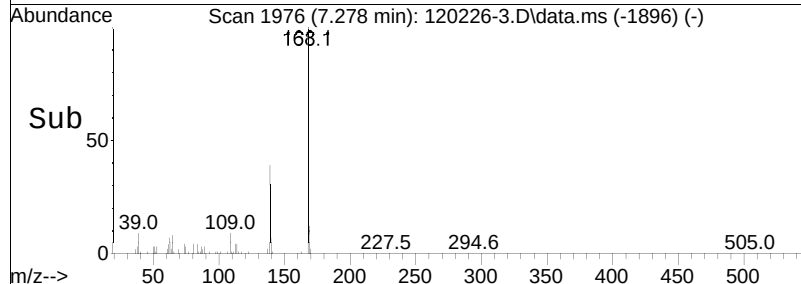
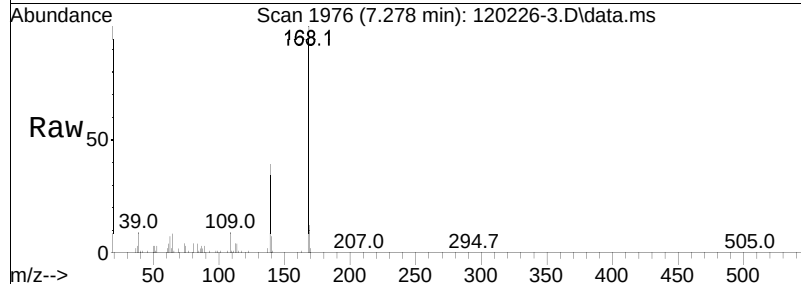
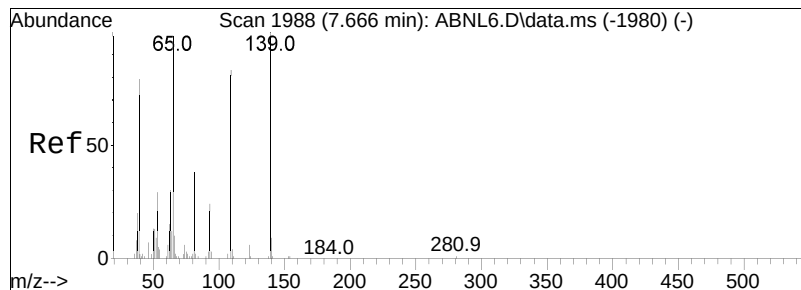




#70
 2,4-Dinitrotoluene
 Concen: 1.53 ug/ml
 RT: 7.297 min Scan# 1982
 Delta R.T. -0.006 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

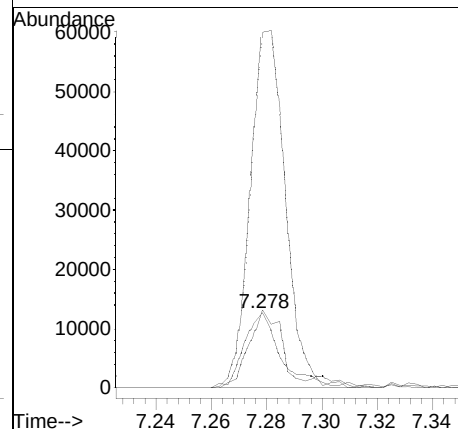
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	30198		
89	64.2		72.0	108.0#
63	37.5		52.7	79.1#

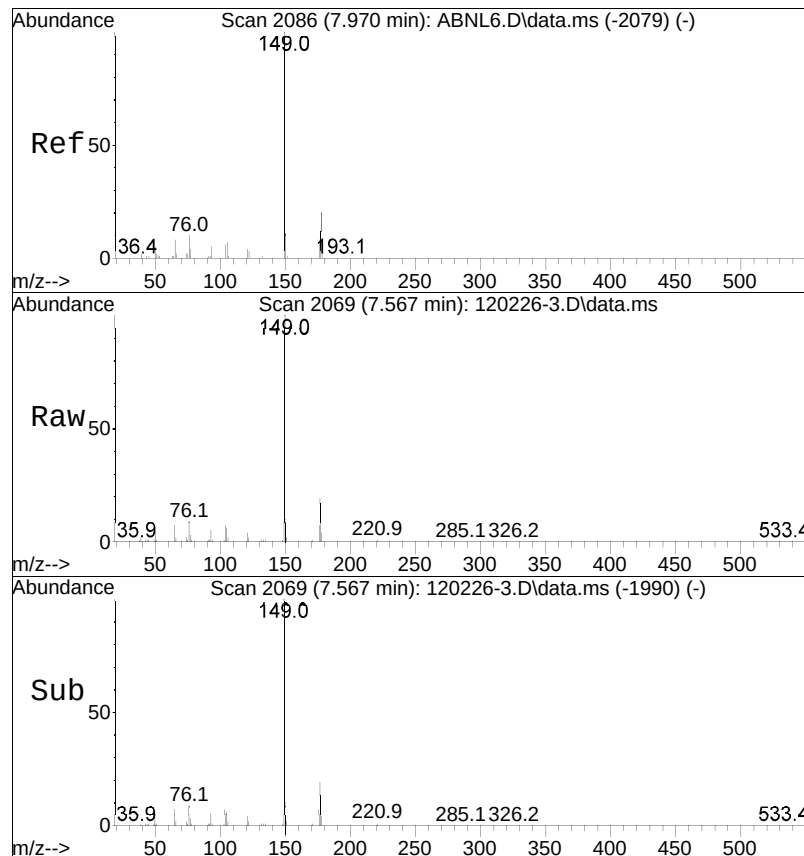




#71
 4-Nitrophenol
 Concen: 1.13 ug/ml
 RT: 7.278 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

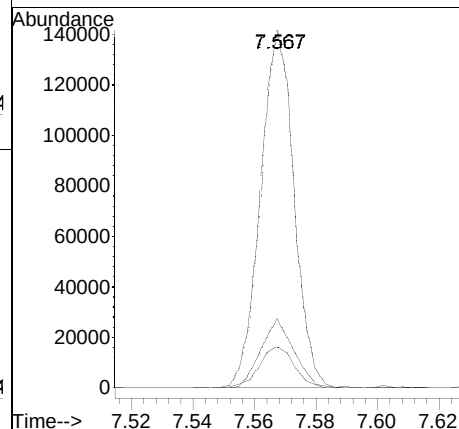
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	12294		
109	91.6	47.4	71.2#	
139	427.7	76.6	115.0#	

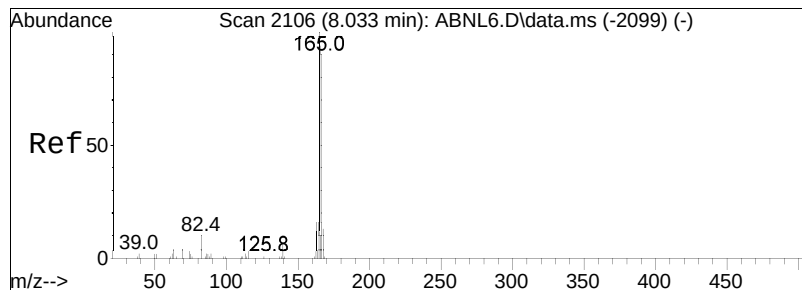




#74
 Diethyl phthalate
 Concen: 1.42 ug/ml
 RT: 7.567 min Scan# 2069
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.1	16.1	24.1
150	12.0	9.4	14.2





#75

Fluorene

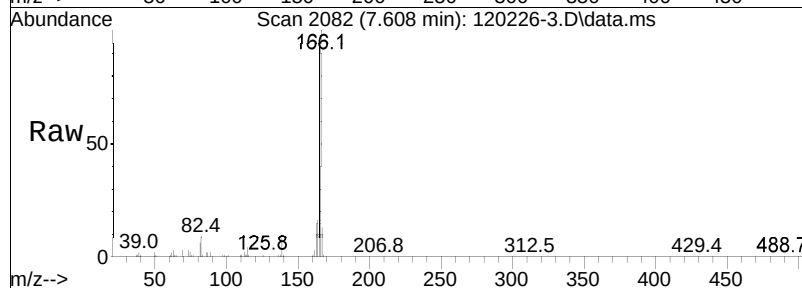
Concen: 1.38 ug/ml

RT: 7.608 min Scan# 2082

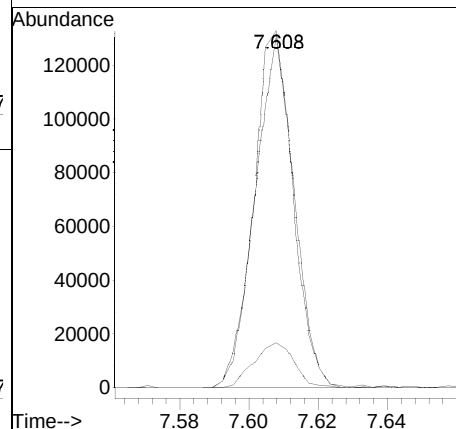
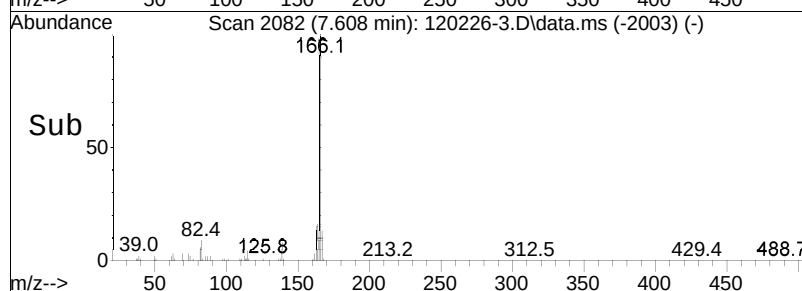
Delta R.T. -0.003 min

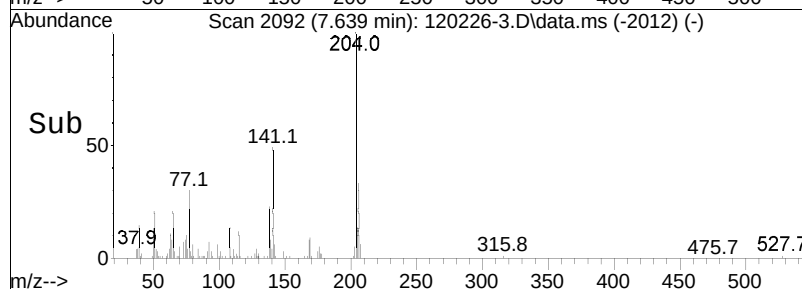
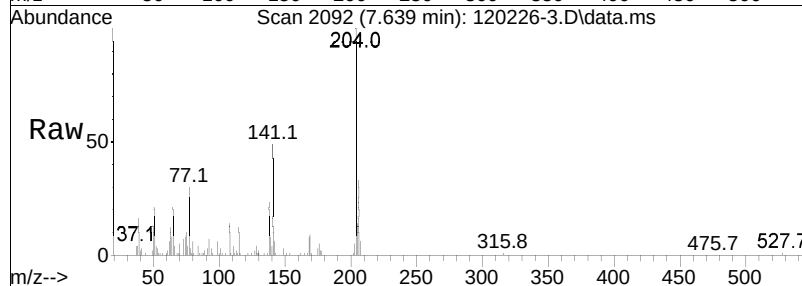
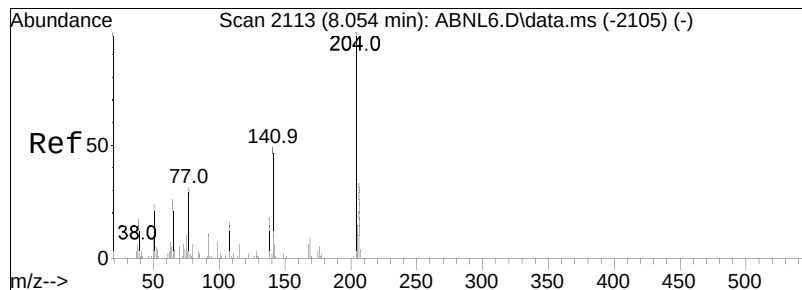
Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm



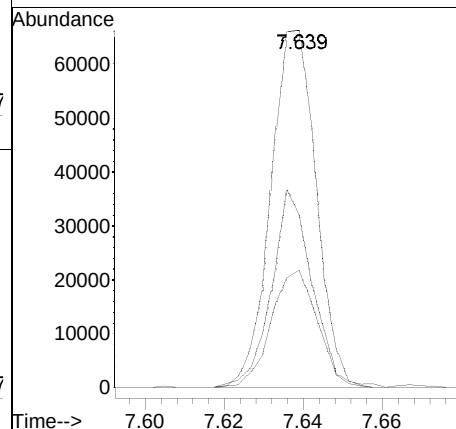
Tgt Ion:	166	Resp:	104256
Ion Ratio	Lower	Upper	
166	100		
165	98.2	76.2	114.2
167	13.3	10.6	15.8

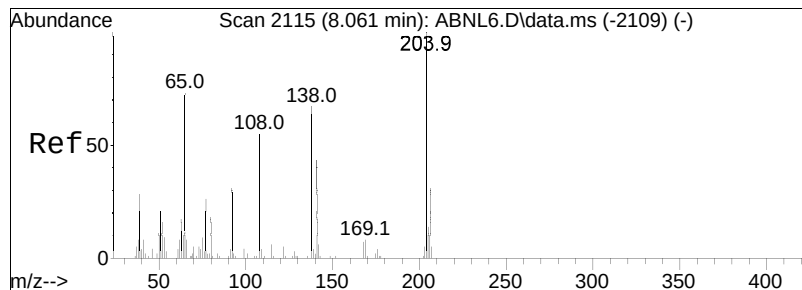




#76
 4-Chlorophenyl phenyl ether
 Concen: 1.29 ug/ml
 RT: 7.639 min Scan# 2092
 Delta R.T. -0.000 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.8	38.6
141	49.7	53.6	80.4#





#77

4-Nitroaniline

Concen: 1.53 ug/ml

RT: 7.645 min Scan# 2094

Delta R.T. -0.003 min

Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm

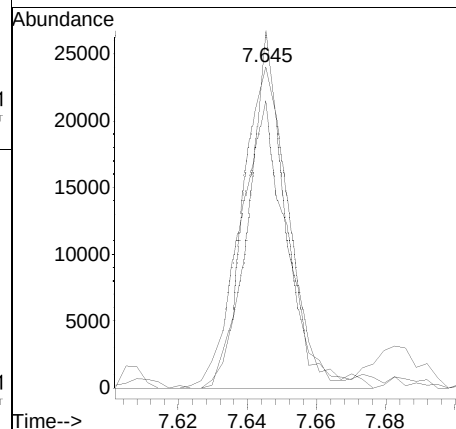
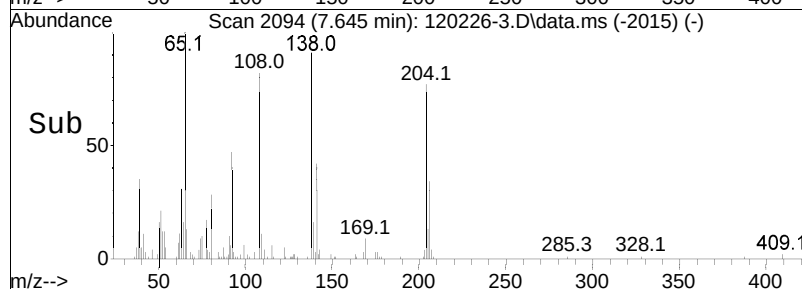
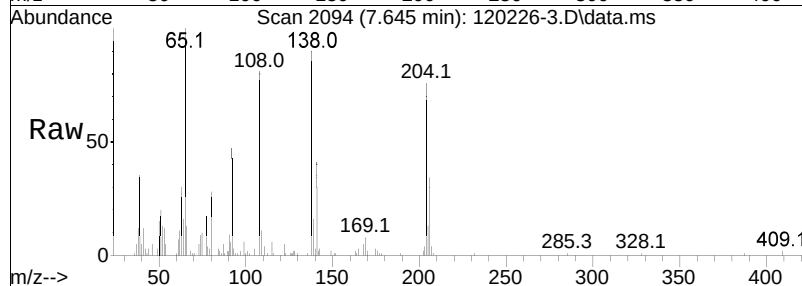
Tgt Ion:138 Resp: 22246

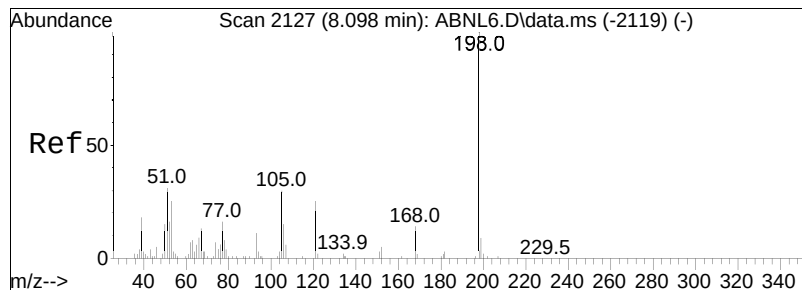
Ion Ratio Lower Upper

138 100

108 78.9 52.1 78.1#

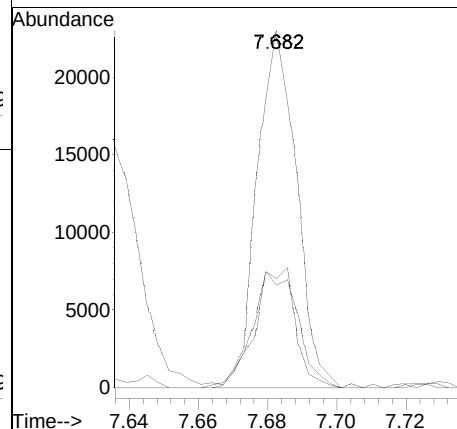
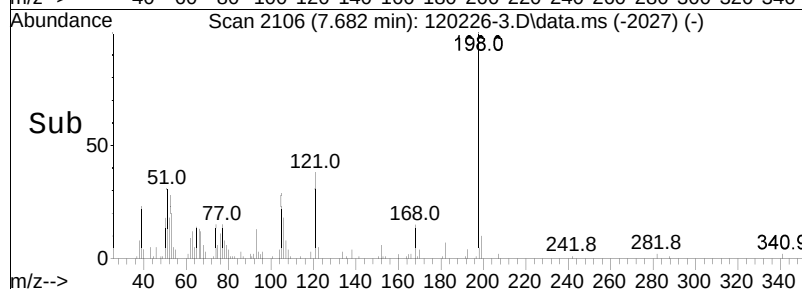
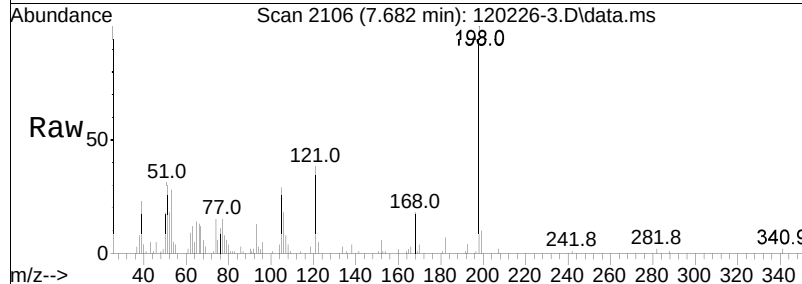
65 98.8 115.0 172.6#

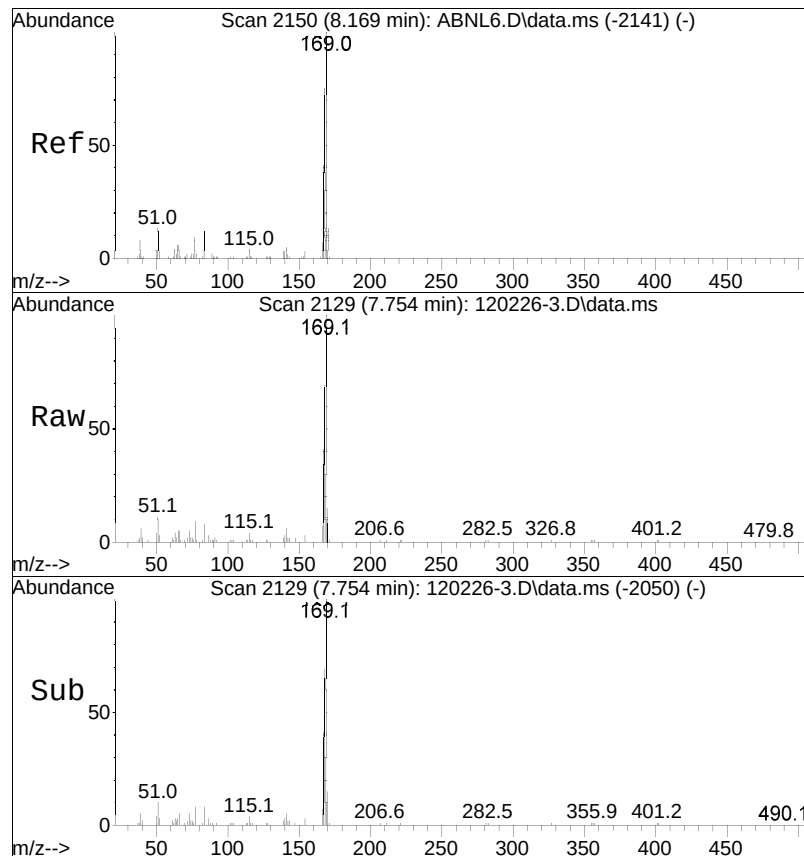




#78
 4,6-Dinitro-o-cresol
 Concen: 1.43 ug/ml
 RT: 7.682 min Scan# 2106
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

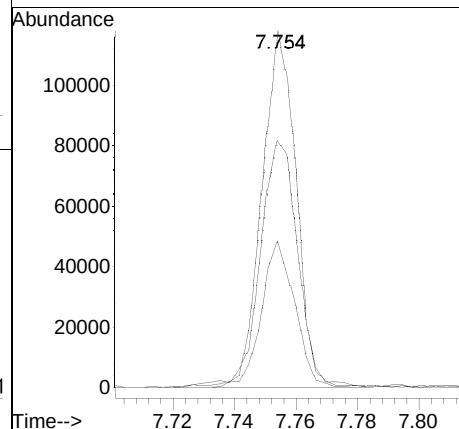
Tgt Ion	Ratio	Lower	Upper
198	100		
51	35.9	76.0	114.0#
105	36.7	45.6	68.4#

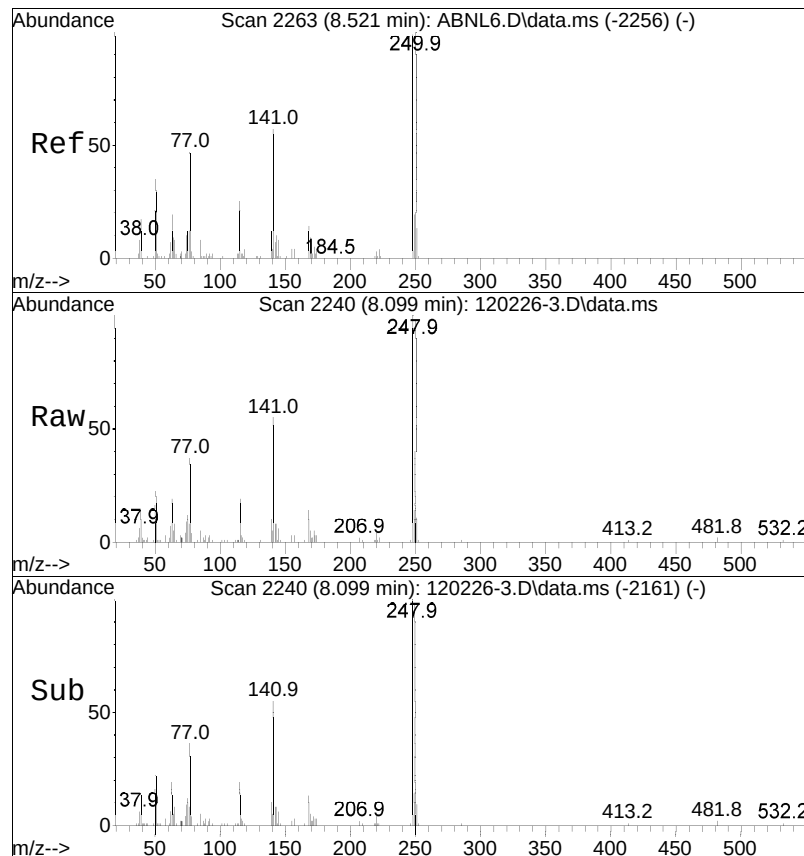




#79
 NDPA/DPA
 Concen: 1.38 ug/ml
 RT: 7.754 min Scan# 2129
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

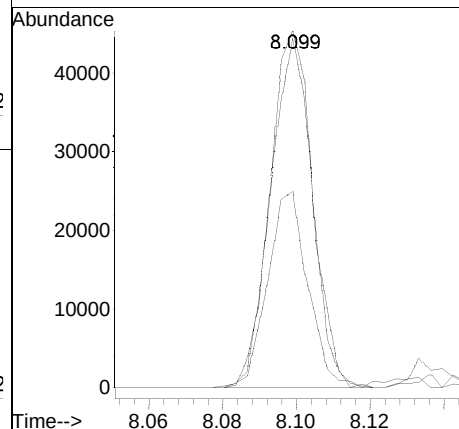
Tgt Ion	Ratio	Lower	Upper
169	100		
168	76.1	54.0	81.0
167	41.0	28.6	42.8

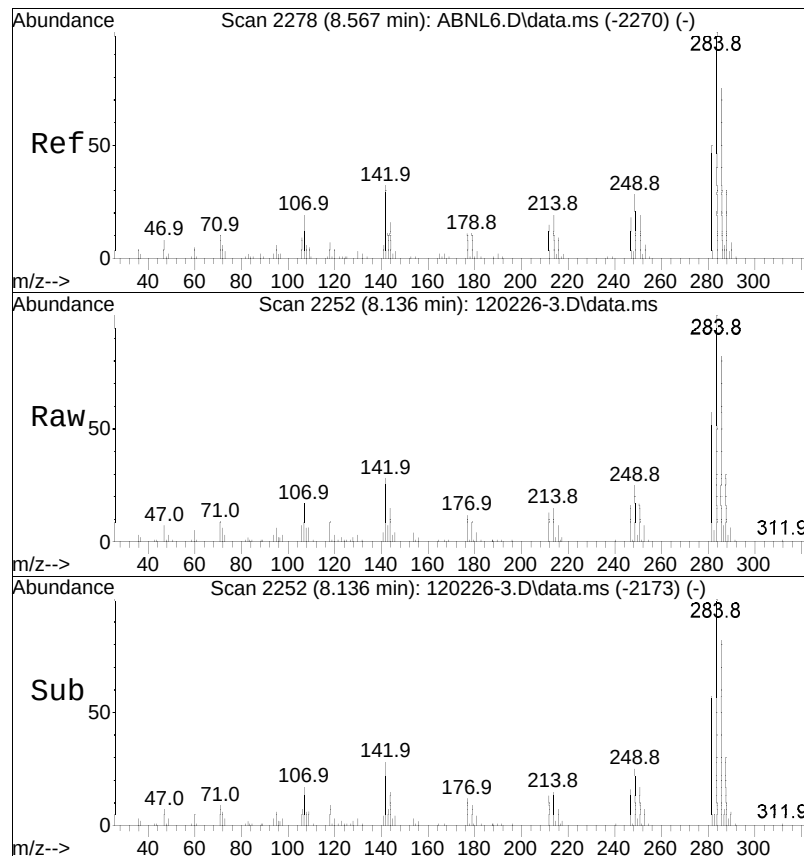




#82
 4-Bromophenyl phenyl ether
 Concen: 1.39 ug/ml
 RT: 8.099 min Scan# 2240
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

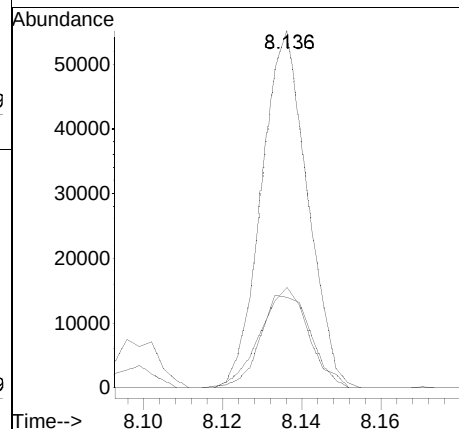
Tgt Ion:	248	Resp:	36372
Ion Ratio	Lower	Upper	
248	100		
141	51.8	76.6	114.8#
250	95.3	77.3	115.9

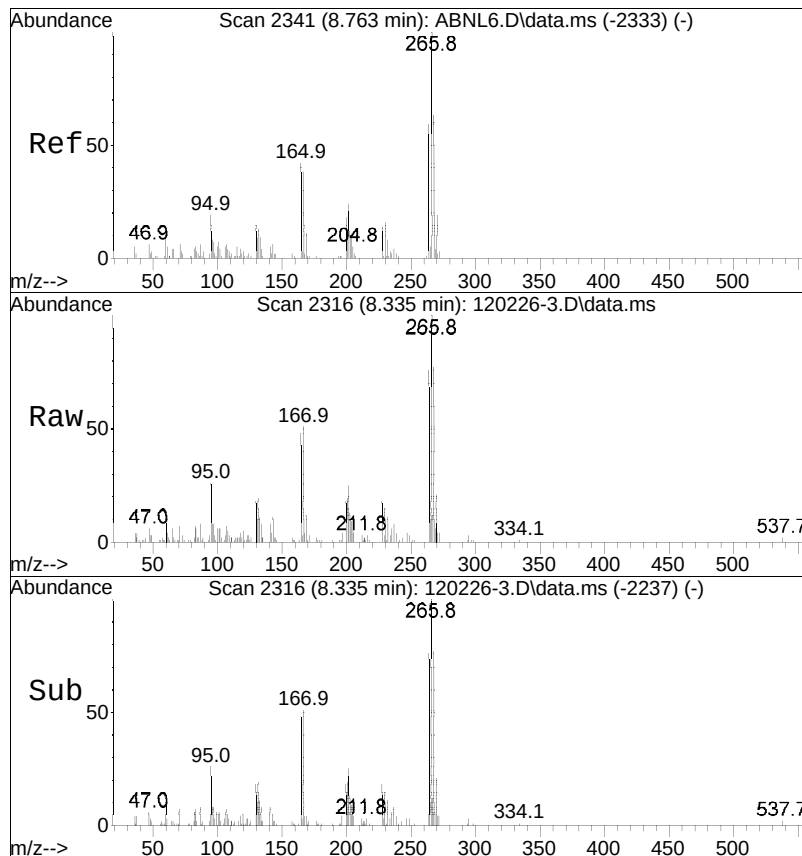




#83
 Hexachlorobenzene
 Concen: 1.47 ug/ml
 RT: 8.136 min Scan# 2252
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

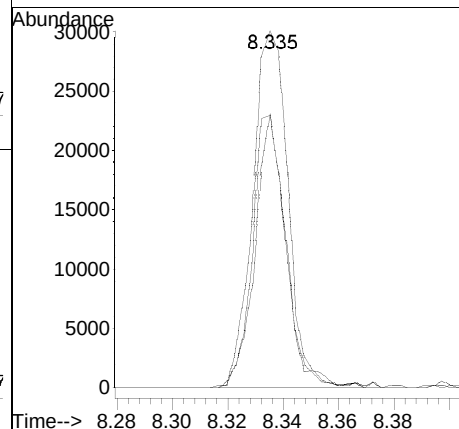
Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.8	41.9	62.9#
249	28.6	24.1	36.1

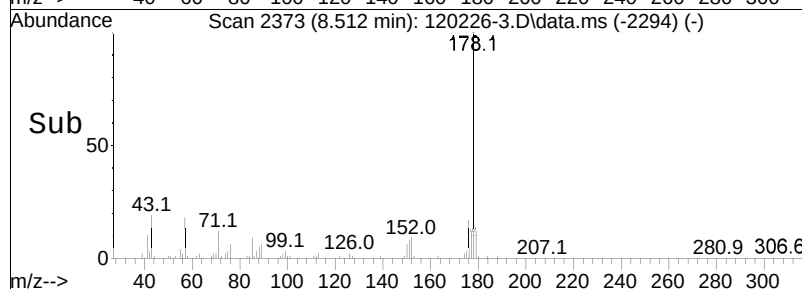
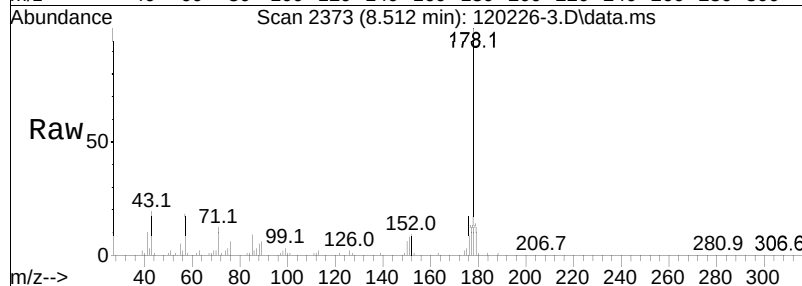
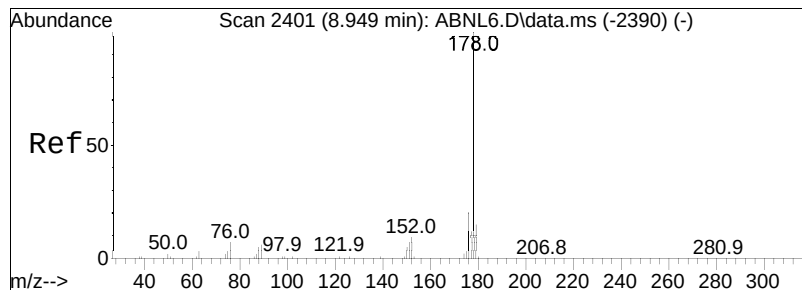




#84
 Pentachlorophenol
 Concen: 1.63 ug/ml
 RT: 8.335 min Scan# 2316
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

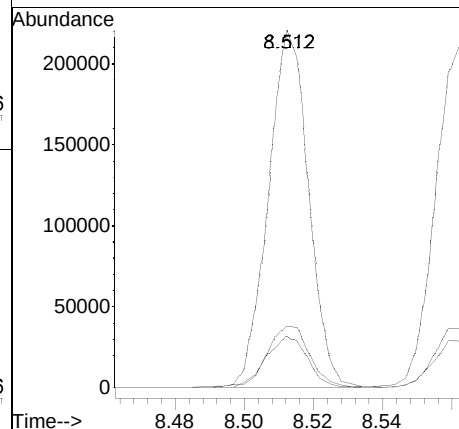
Tgt Ion:	266	Resp:	26794
Ion Ratio	Lower	Upper	
266	100		
264	71.5	49.7	74.5
268	66.4	50.5	75.7

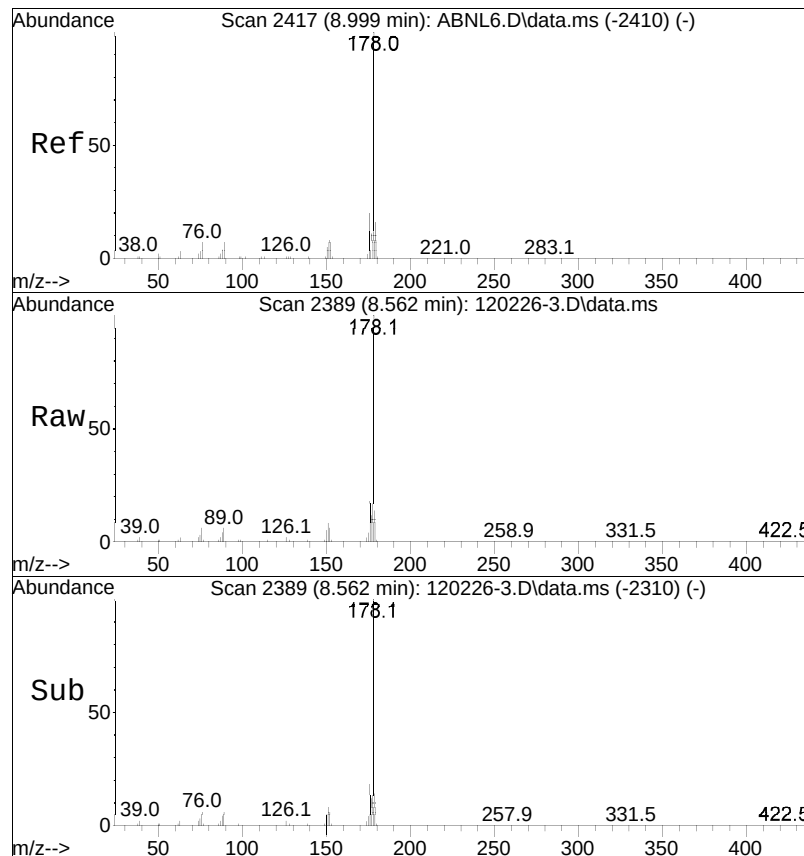




#91
 Phenanthrene
 Concen: 1.25 ug/ml
 RT: 8.512 min Scan# 2373
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

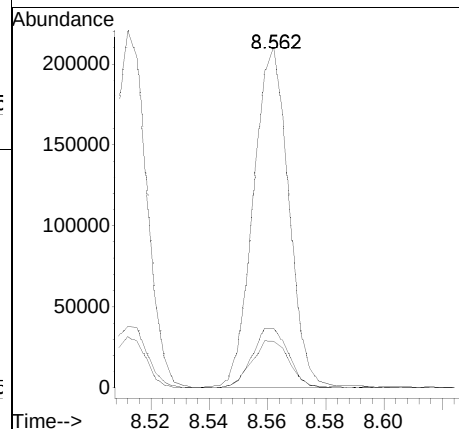
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.2	18.2
176	18.1	15.4	23.2

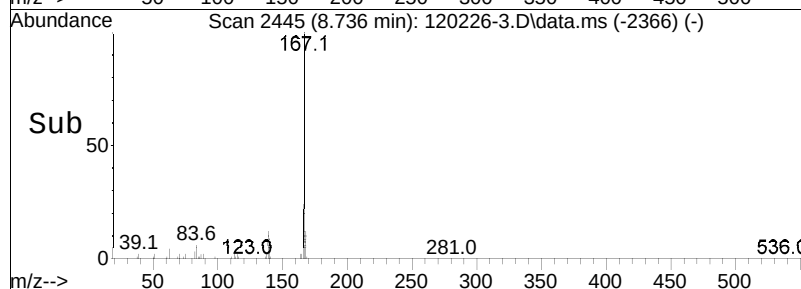
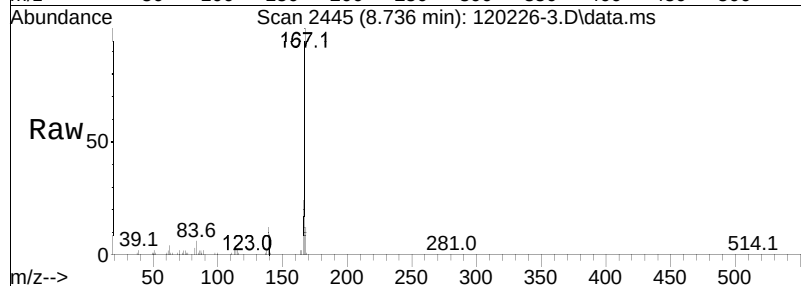
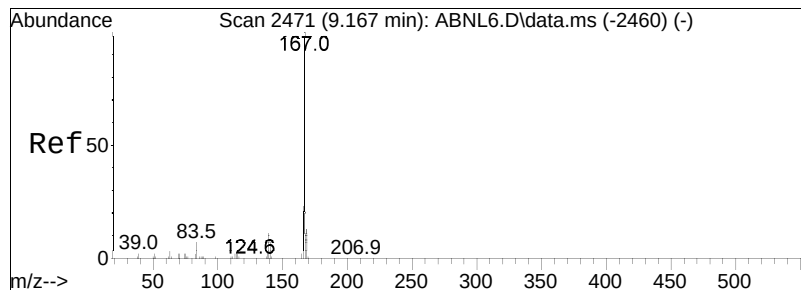




#92
 Anthracene
 Concen: 1.29 ug/ml
 RT: 8.562 min Scan# 2389
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.0	18.0
176	18.2	14.6	22.0





#93

Carbazole

Concen: 1.32 ug/ml

RT: 8.736 min Scan# 2445

Delta R.T. -0.003 min

Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm

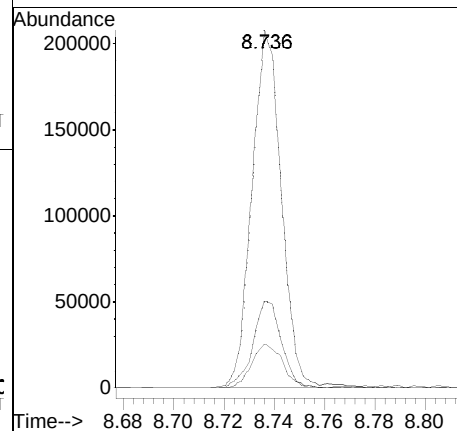
Tgt Ion:167 Resp: 168207

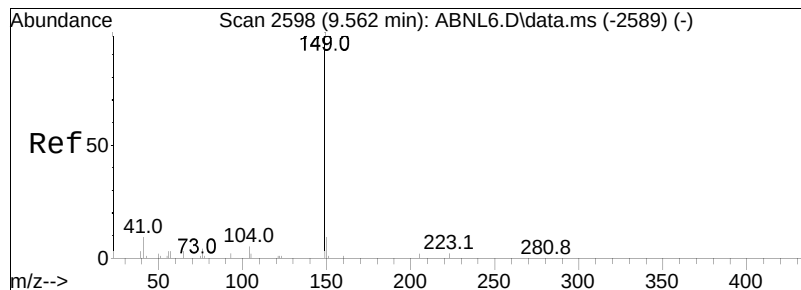
Ion Ratio Lower Upper

167 100

168 13.0 10.6 15.8

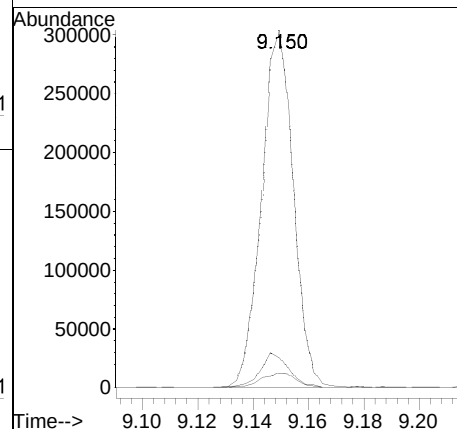
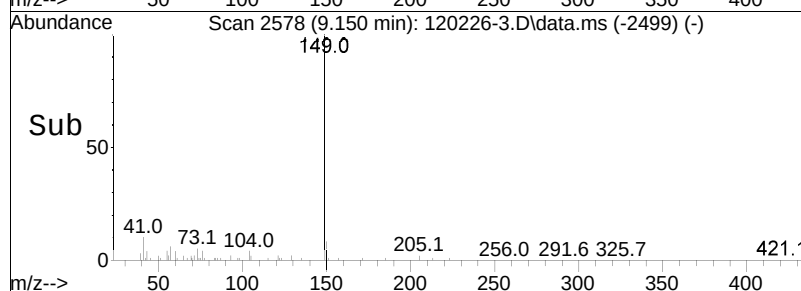
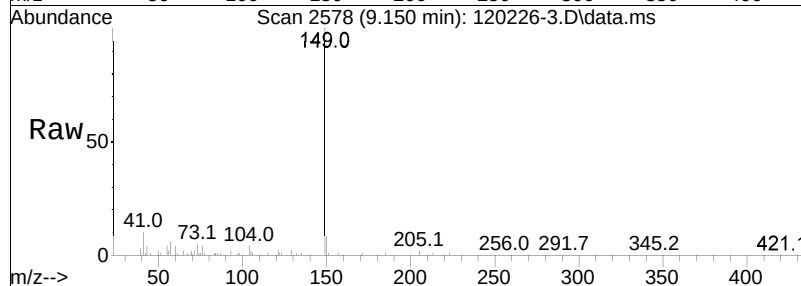
166 23.5 17.4 26.0

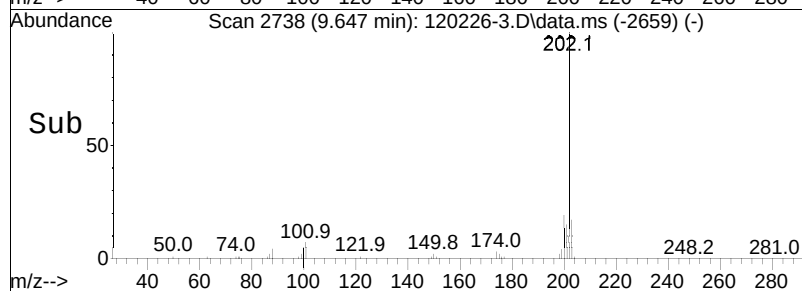
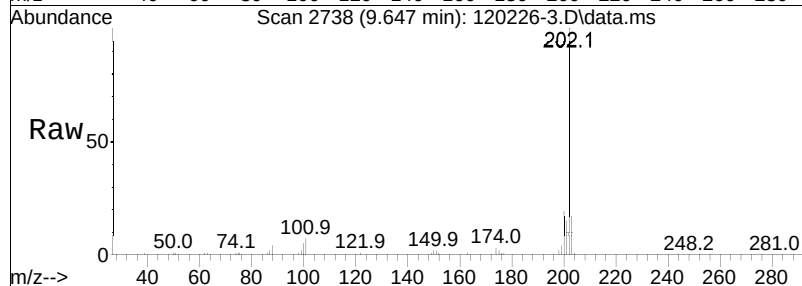
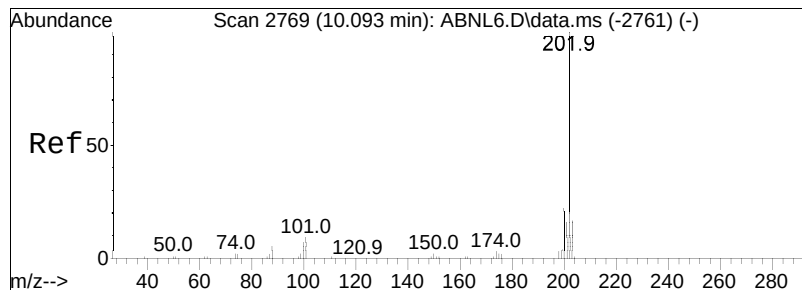




#94
 Di-n-butylphthalate
 Concen: 1.77 ug/ml
 RT: 9.150 min Scan# 2578
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

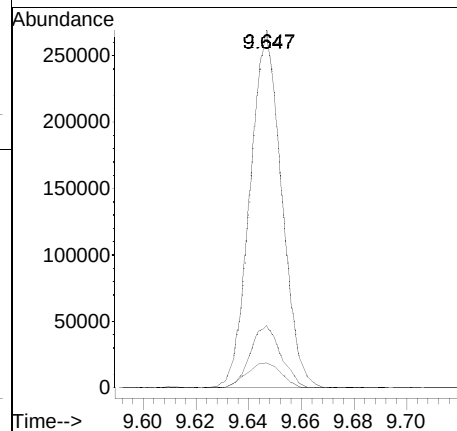
Tgt Ion	149	Resp	238855
Ion Ratio	Lower	Upper	
149	100		
150	8.8	7.0	10.6
104	4.4	4.5	6.7#

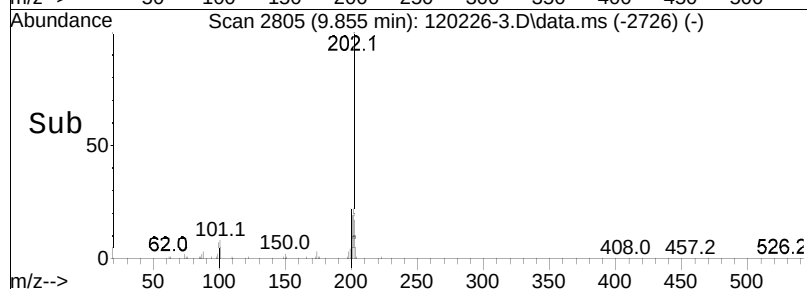
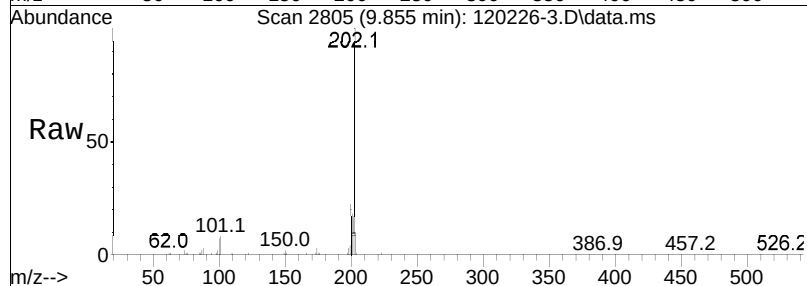
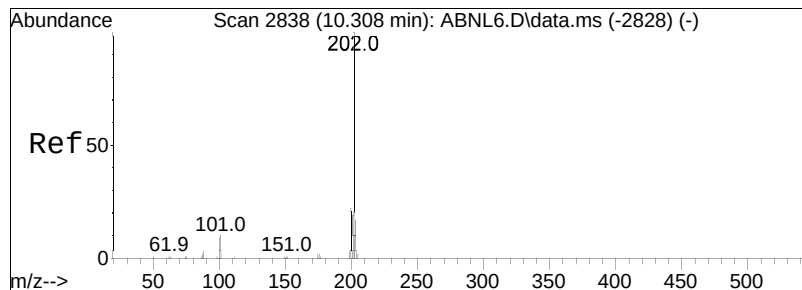




#95
 Fluoranthene
 Concen: 1.29 ug/ml
 RT: 9.647 min Scan# 2738
 Delta R.T. -0.003 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

Tgt Ion	202	Resp	221357
Ion Ratio	Lower	Upper	
202	100		
101	7.8	13.5	20.3#
203	17.2	13.6	20.4





#97

Pyrene

Concen: 1.22 ug/ml

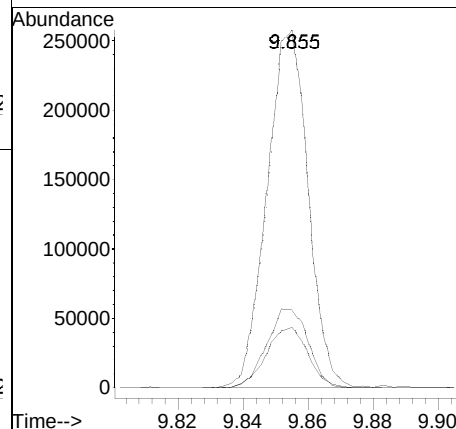
RT: 9.855 min Scan# 2805

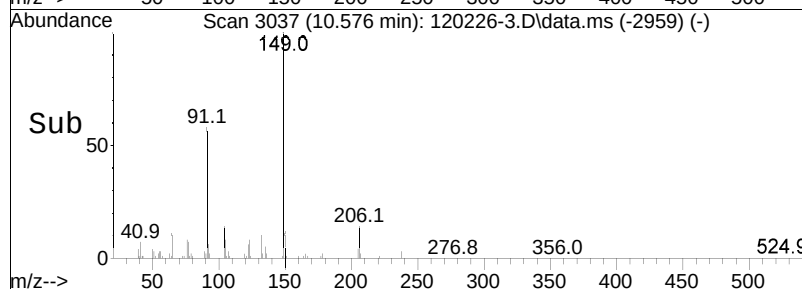
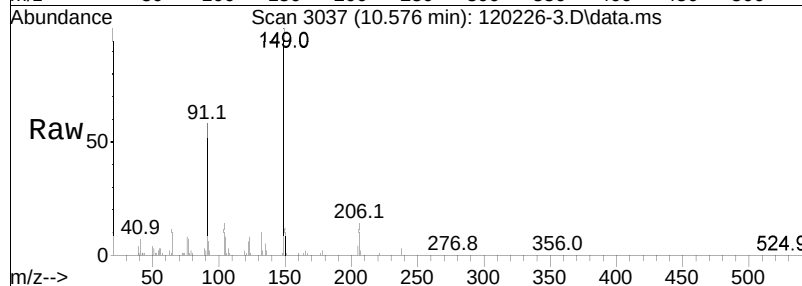
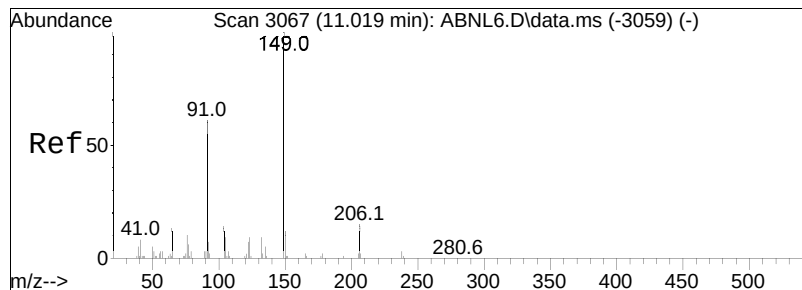
Delta R.T. -0.003 min

Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm

Tgt Ion:	202	Resp:	224125
Ion Ratio	Lower	Upper	
202	100		
200	22.4	16.7	25.1
203	17.5	14.2	21.4





#99

Butyl benzyl phthalate

Concen: 1.45 ug/ml

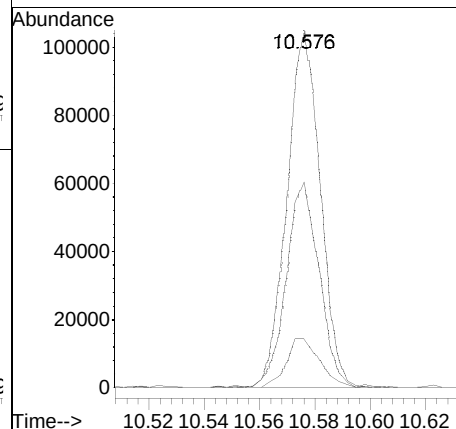
RT: 10.576 min Scan# 3037

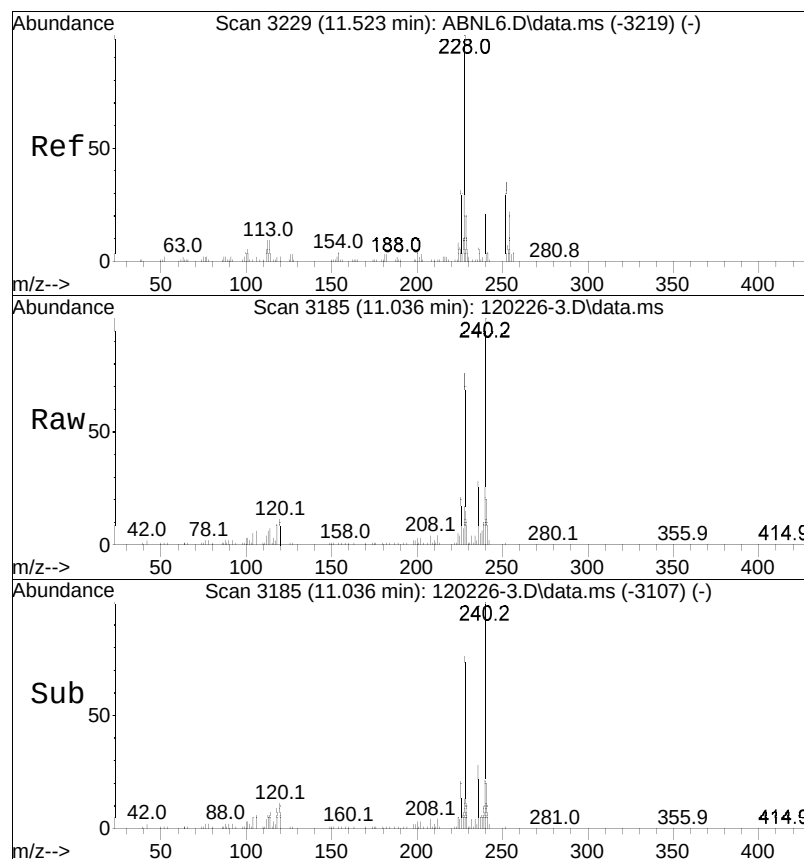
Delta R.T. -0.006 min

Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm

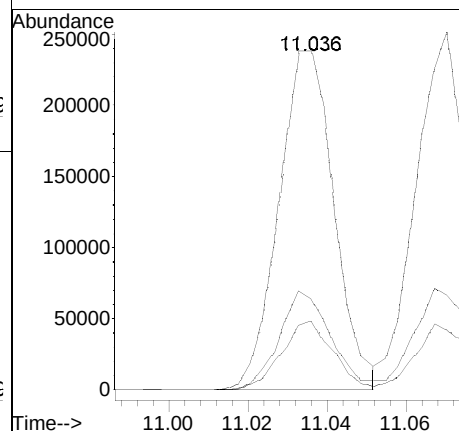
Tgt Ion:	149	Resp:	86625
Ion Ratio	Lower	Upper	
149	100		
91	56.8	63.3	94.9#
206	13.9	13.9	20.9#

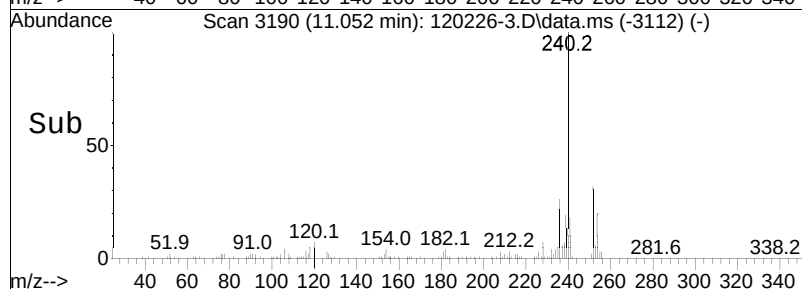
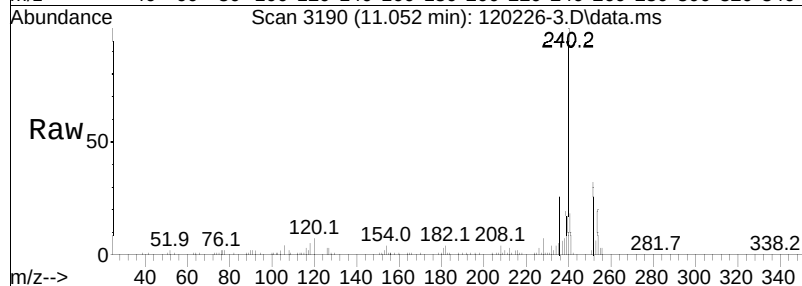
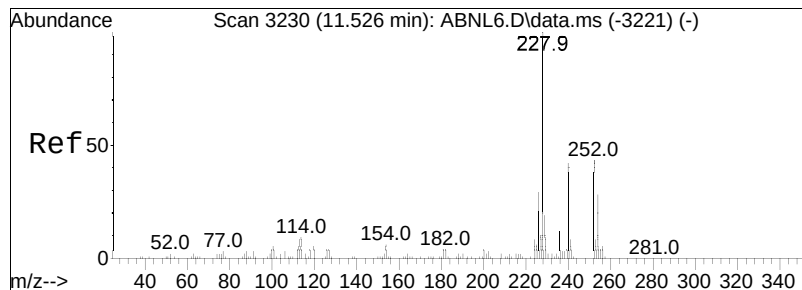




#107
 Benzo(a)anthracene
 Concen: 1.29 ug/ml
 RT: 11.036 min Scan# 3185
 Delta R.T. -0.006 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

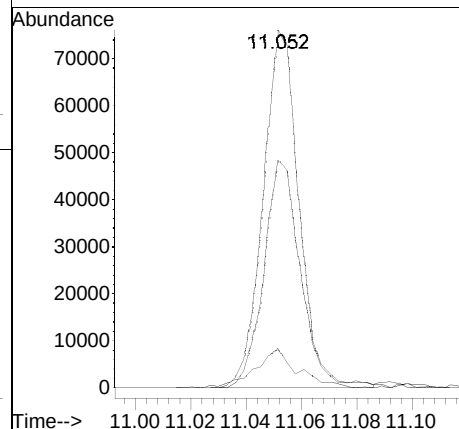
Tgt	Ion:228	Resp:	231234
Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.4
229	19.1	15.6	23.4

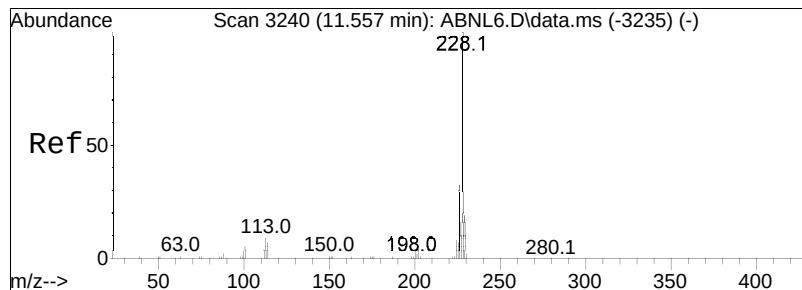




#108
 3,3'-Dichlorobenzidine
 Concen: 1.05 ug/ml
 RT: 11.052 min Scan# 3190
 Delta R.T. -0.006 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		67817		
126	13.3		14.5	21.7#	
254	64.2		51.2	76.8	





#109

Chrysene

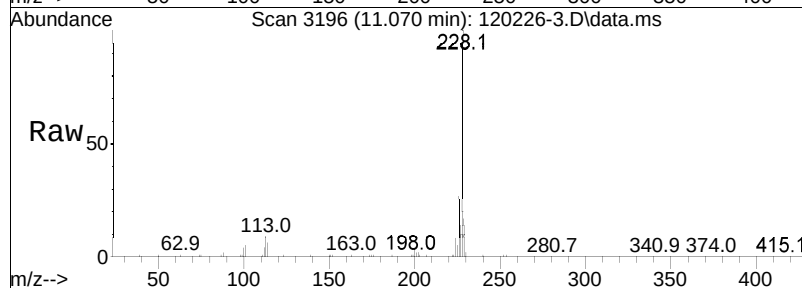
Concen: 1.24 ug/ml

RT: 11.070 min Scan# 3196

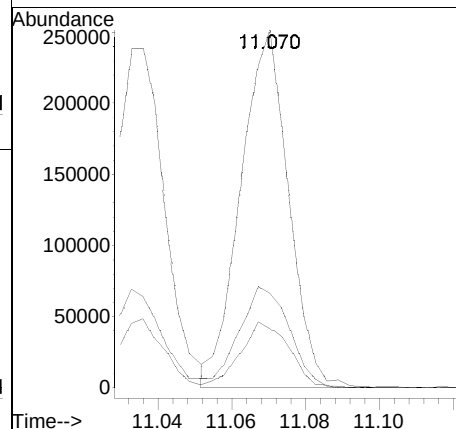
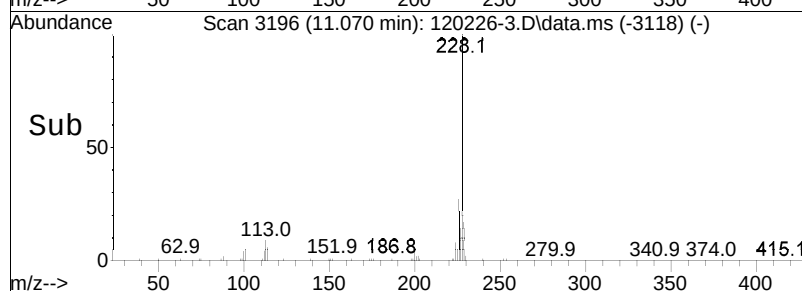
Delta R.T. -0.006 min

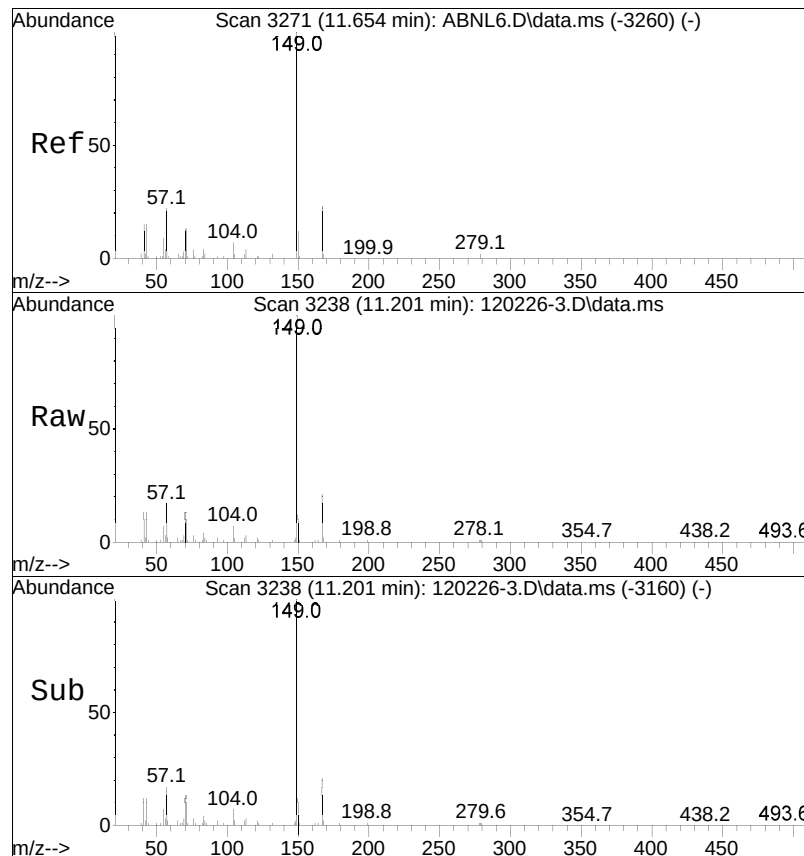
Lab File: 120226-3.D

Acq: 28 Sep 2025 10:40 pm



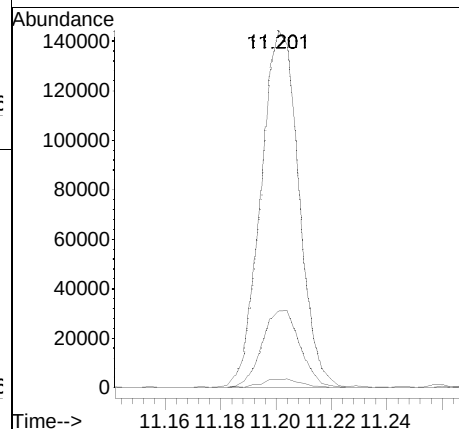
Tgt	Ion:228	Resp:	224385
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	18.8	15.8	23.8

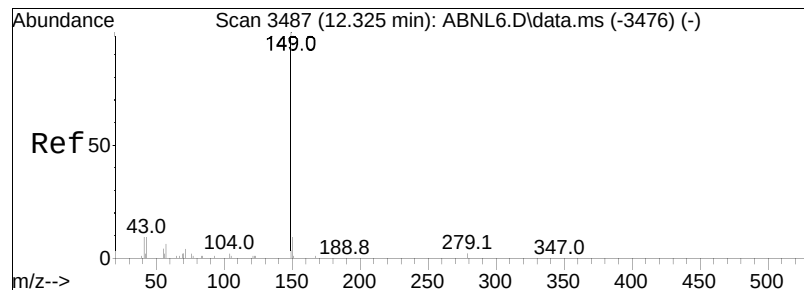




#110
 Bis(2-ethylhexyl)phthalate
 Concen: 1.60 ug/ml
 RT: 11.201 min Scan# 3238
 Delta R.T. -0.006 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

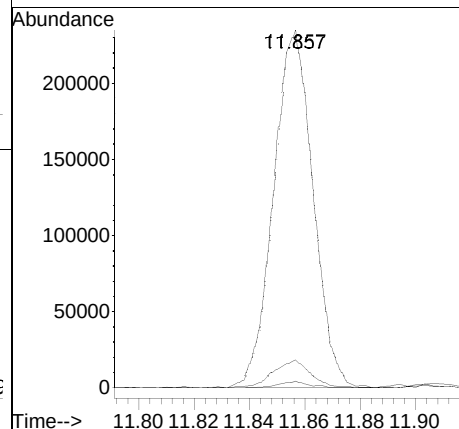
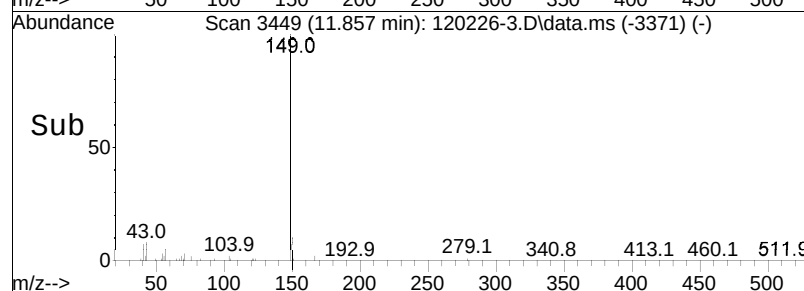
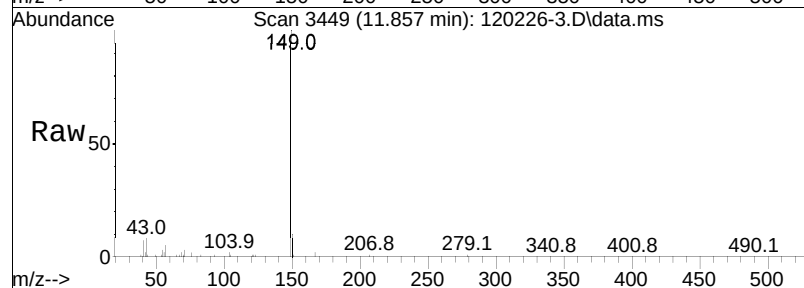
Tgt Ion:	149	Resp:	136431
Ion Ratio	Lower	Upper	
149	100		
167	21.7	22.1	33.1#
279	2.2	3.0	4.4#

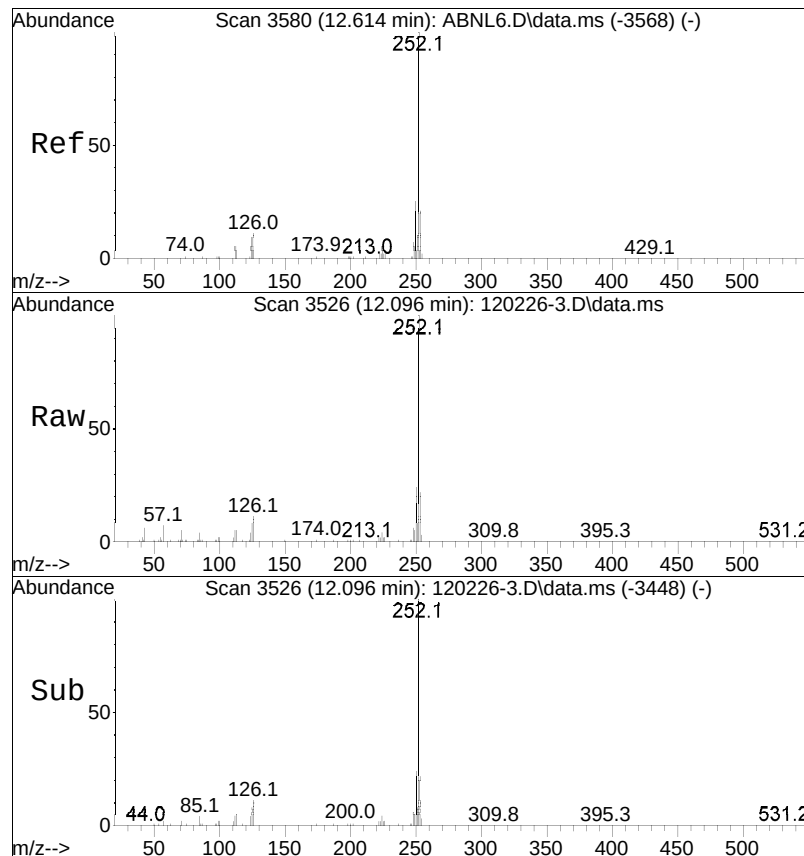




#111
 Di-n-octylphthalate
 Concen: 1.53 ug/ml
 RT: 11.857 min Scan# 3449
 Delta R.T. -0.006 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

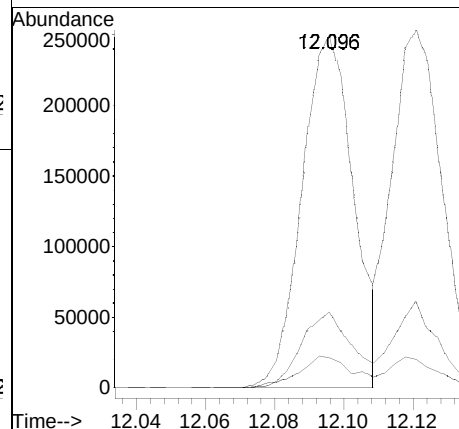
Tgt Ion	Ratio	Lower	Upper
149	100		
43	7.6	18.8	28.2#
167	1.4	1.3	1.9

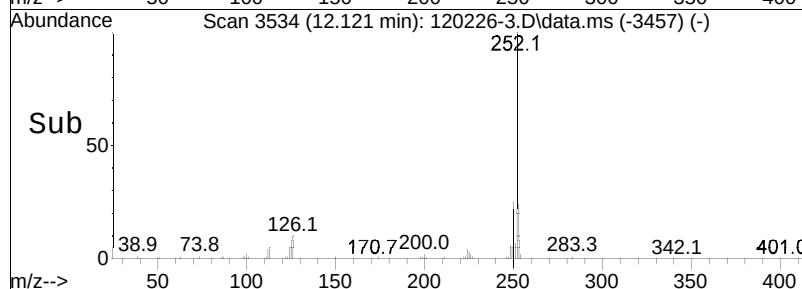
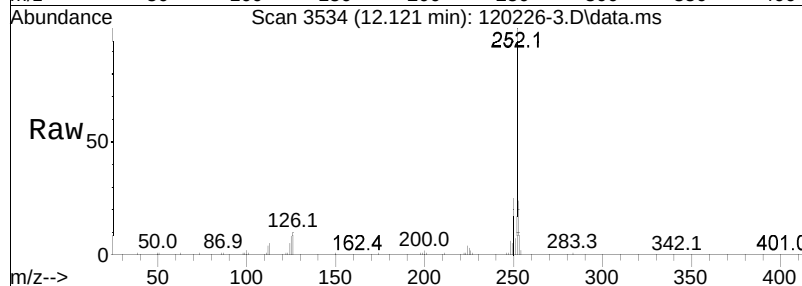
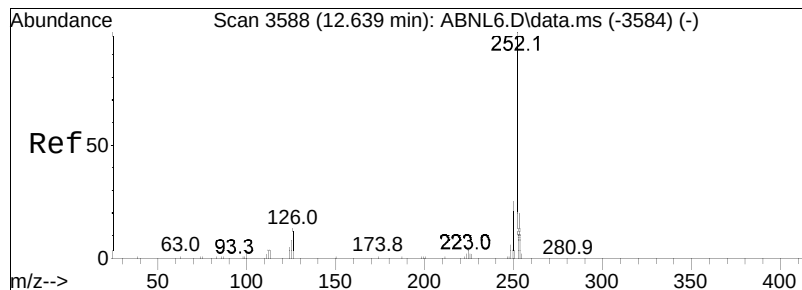




#112
 Benzo(b)fluoranthene
 Concen: 1.44 ug/ml
 RT: 12.096 min Scan# 3526
 Delta R.T. -0.006 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

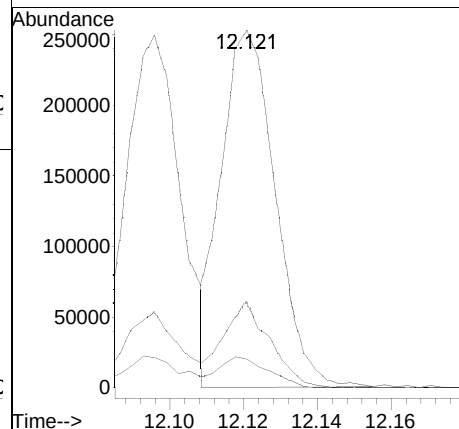
Tgt Ion:	252	Resp:	259901
Ion Ratio	Lower	Upper	
252	100		
125	9.3	13.3	19.9#
253	21.5	17.1	25.7

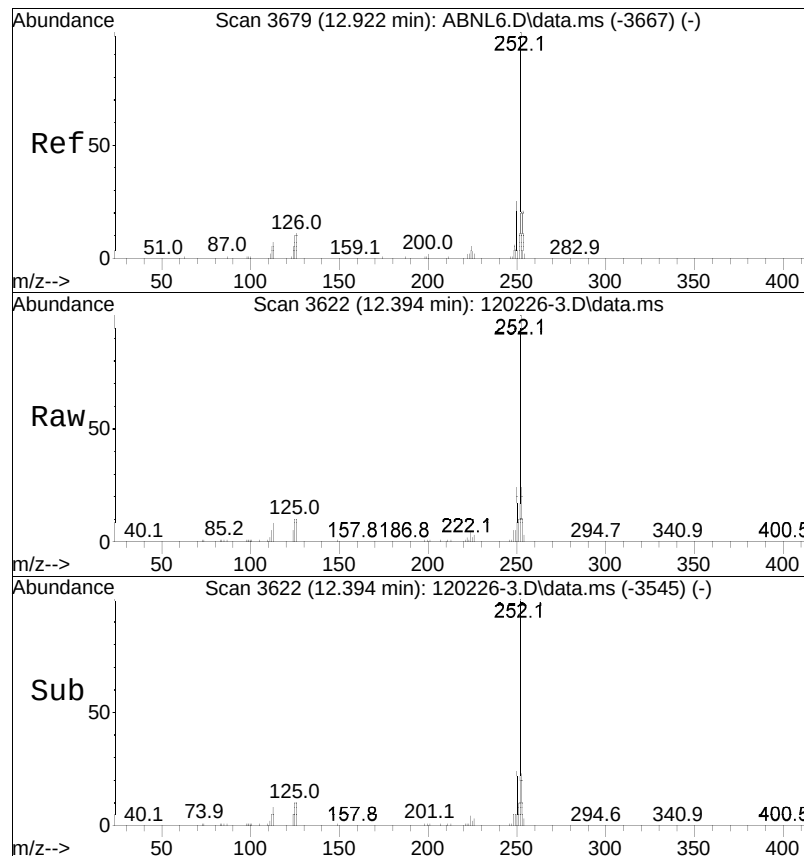




#113
 Benzo(k)fluoranthene
 Concen: 1.42 ug/ml
 RT: 12.121 min Scan# 3534
 Delta R.T. -0.009 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

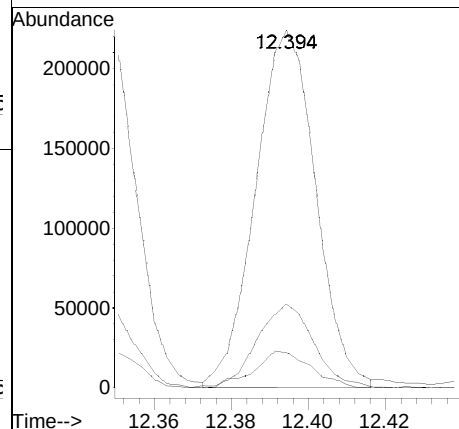
Tgt Ion	Ratio	Lower	Upper
252	100		
125	8.0	13.0	19.6#
253	21.2	16.8	25.2

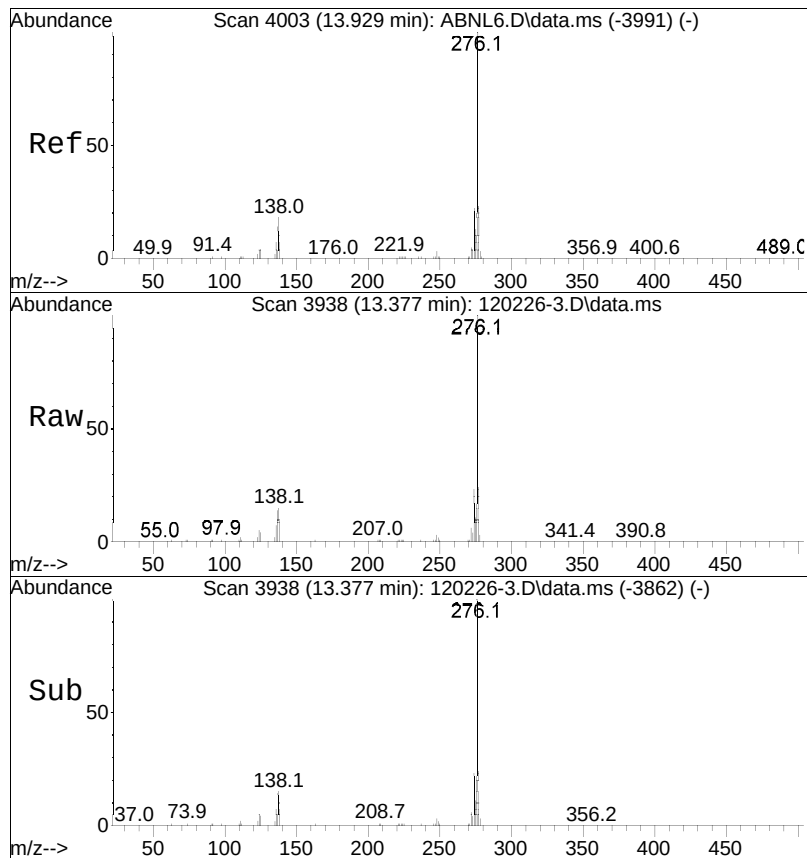




#114
 Benzo(a)pyrene
 Concen: 1.47 ug/ml M3
 RT: 12.394 min Scan# 3622
 Delta R.T. -0.009 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

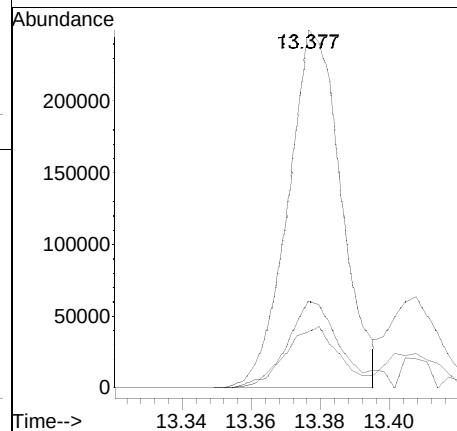
Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		242838		
125	13.1	14.2		21.2#	
253	21.3	16.9		25.3	

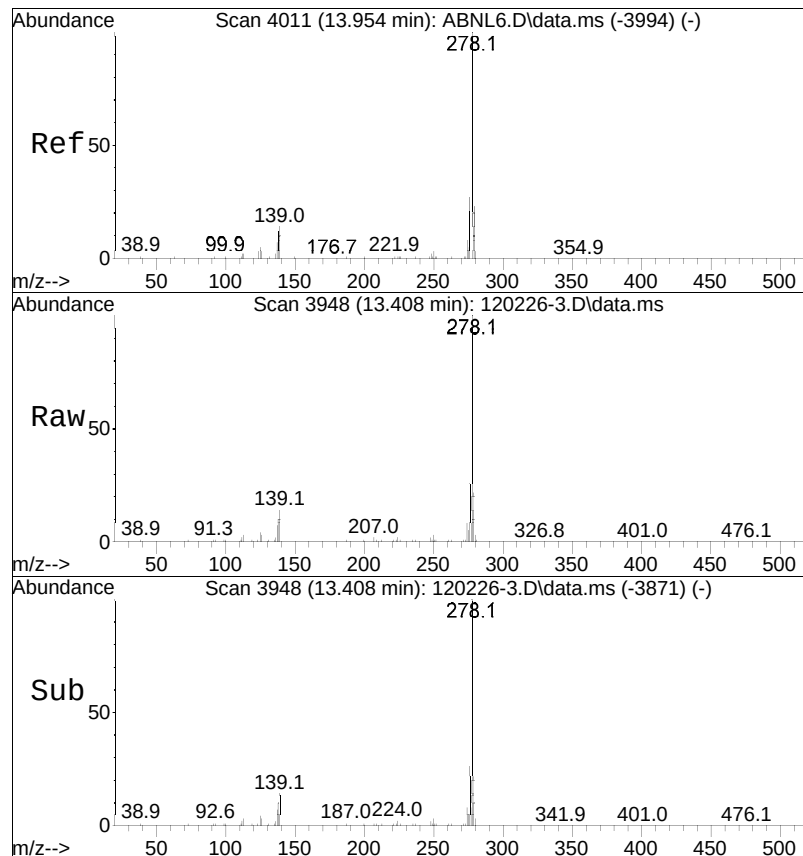




#116
 Indeno(1,2,3-cd)pyrene
 Concen: 1.33 ug/mL
 RT: 13.377 min Scan# 3938
 Delta R.T. -0.012 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

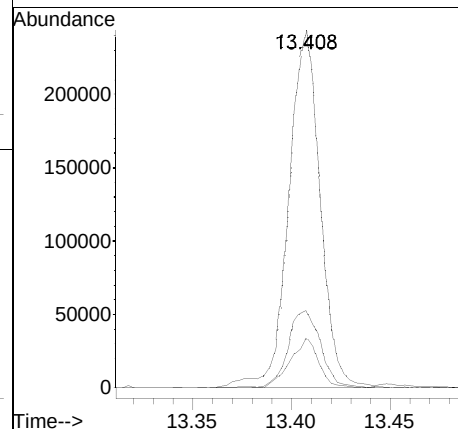
Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.4	25.1	37.7#
277	24.6	18.6	28.0

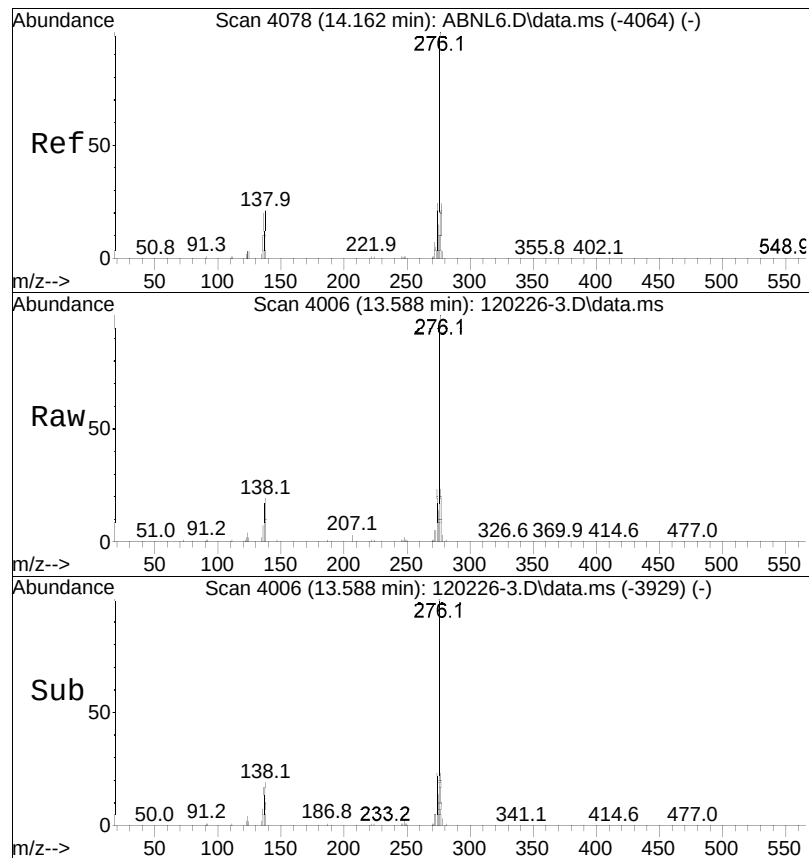




#117
 Dibenzo(a,h)anthracene
 Concen: 1.32 ug/ml
 RT: 13.408 min Scan# 3948
 Delta R.T. -0.009 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

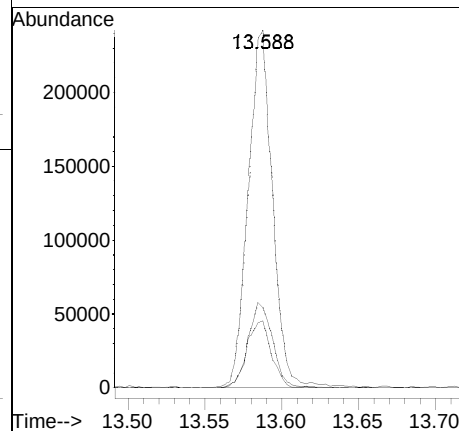
Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.7	20.8	31.2#
279	22.6	18.3	27.5





#118
 Benzo(ghi)perylene
 Concen: 1.30 ug/ml
 RT: 13.588 min Scan# 4006
 Delta R.T. -0.009 min
 Lab File: 120226-3.D
 Acq: 28 Sep 2025 10:40 pm

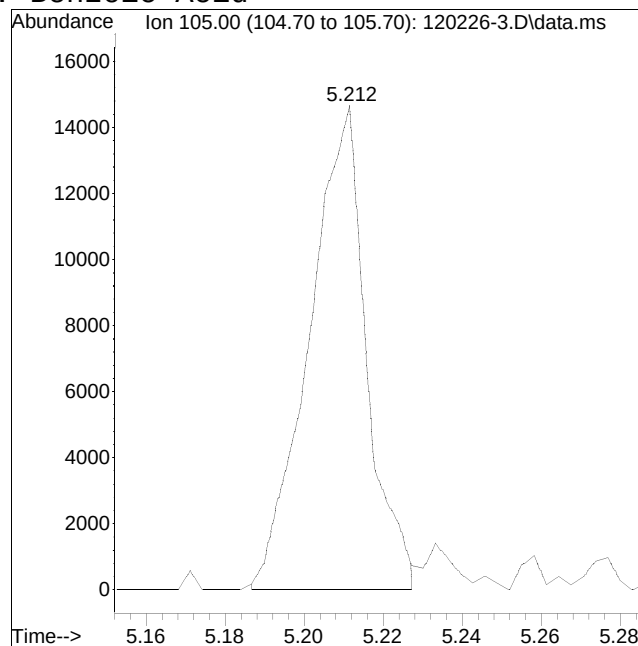
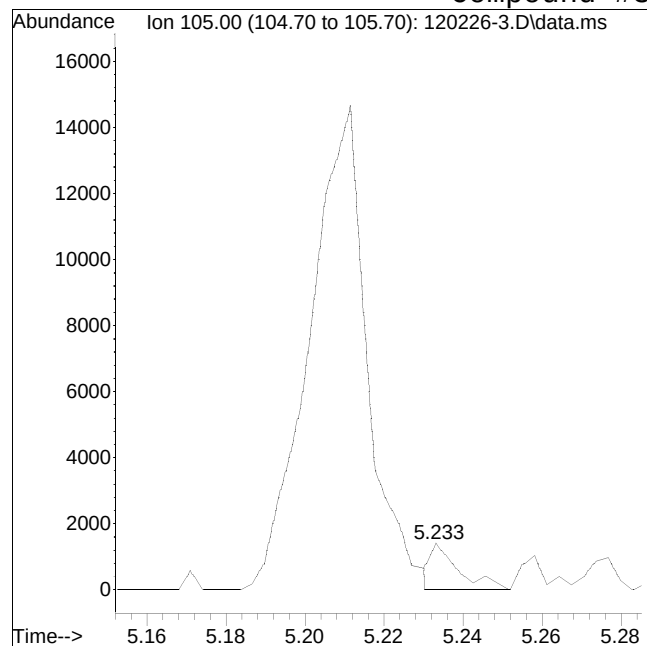
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	29.2	43.8#
277	24.0	18.8	28.2



Manual Integration Report

Data Path : I:\8270\Dakota\250928RVT\ QMethod : FS250821RVT_Dakota.m
Data File : 120226-3.D Operator : Dakota:smz
Date Inj'd : 9/28/2025 10:40 pm Instrument : Dakota
Sample : wg2120226-3,32,,mrg Quant Date : 9/28/2025 10:59 pm

Compound #39: Benzoic Acid



Original Peak Response = 681

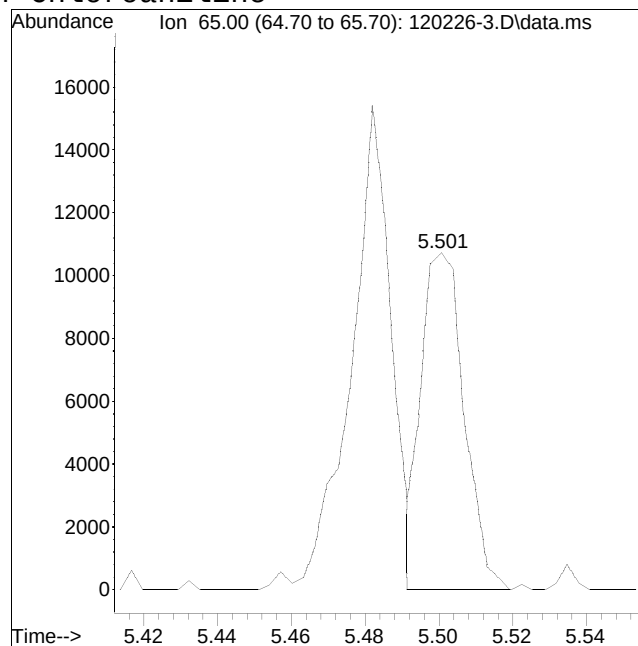
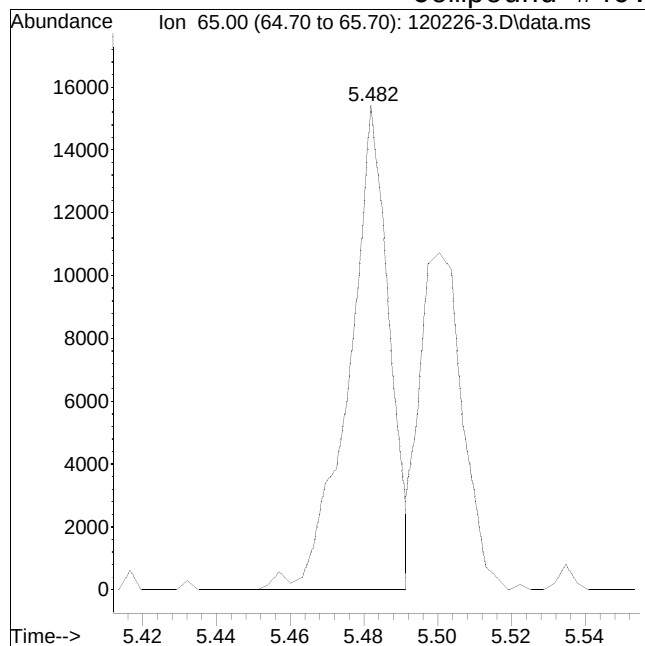
Manual Peak Response = 14757 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\250928RVT\ QMethod : FS250821RVT_Dakota.m
Data File : 120226-3.D Operator : Dakota:smz
Date Inj'd : 9/28/2025 10:40 pm Instrument : Dakota
Sample : wg2120226-3,32,,mrg Quant Date : 9/28/2025 10:59 pm

Compound #40: 4-Chloroaniline



Original Peak Response = 11760

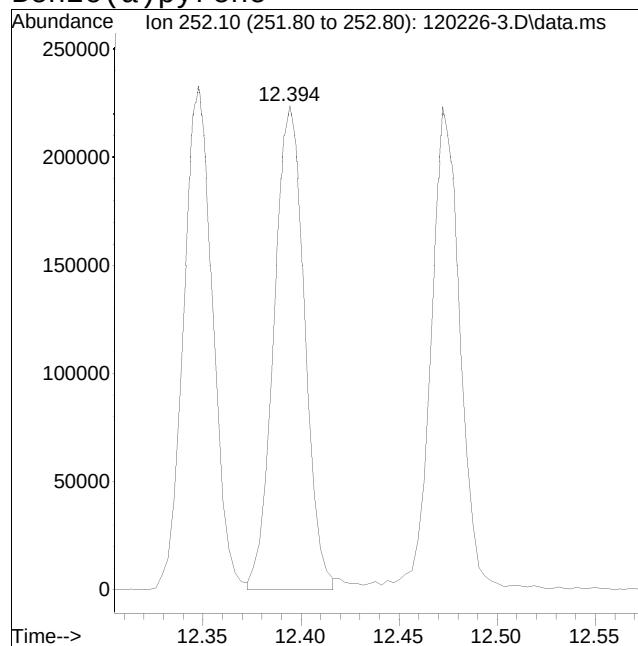
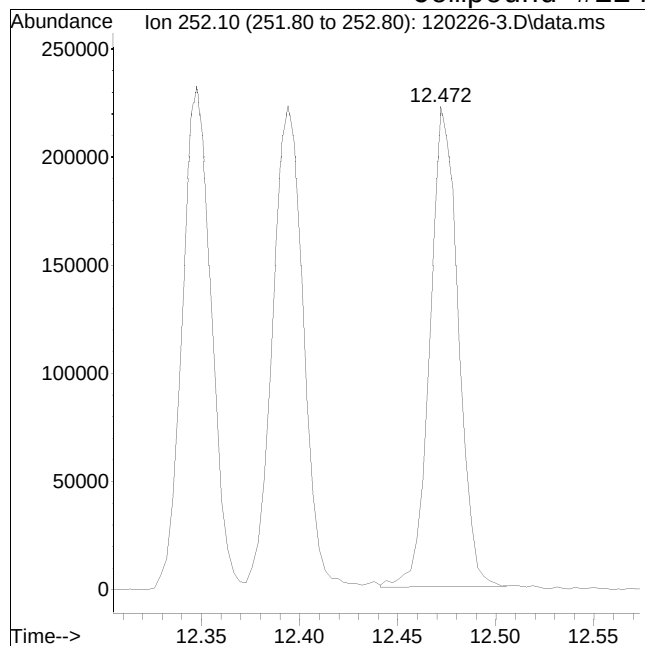
Manual Peak Response = 8634 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\250928RVT\ QMethod : FS250821RVT_Dakota.m
Data File : 120226-3.D Operator : Dakota:smz
Date Inj'd : 9/28/2025 10:40 pm Instrument : Dakota
Sample : wg2120226-3,32,,mrg Quant Date : 9/28/2025 10:59 pm

Compound #114: Benzo(a)pyrene



Original Peak Response = 222298

Manual Peak Response = 242838 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * 1000 * (1/V_o) * V_f$

Where:

DF = Dilution Factor

V_o = Volume of Sample (mL)

V_f = Extraction Lab Final Volume (mL)

Soil Concentration Formula: $Amt * DF * 1000 * (1/W_t) * V_f * (100/TS)$

Where:

DF = Dilution Factor

W_t = Weight of Sample (g)

V_f = Extraction Lab Final Volume (mL)

TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Oct 23 2025, 04:36 pm

Work Group: WG2115183 for Department: 2 Organic Preparation

Created: 16-SEP-25 Due: Operator: JCL

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2555946-07	EB-20250909-02	C NYTCL-8270-RVT	WATER	DONE	U	0916	0916	S0	Amber-A.1
L2557076-07	7A	C NYTCL-8270-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557076-10	10B	C NYTCL-8270-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2558077-01	FT-LQ-1	S NYTCL-8270-RVT	WATER	DONE	U	0922	0916	3A	Amber-A.1
WG2115183-1	Laboratory Method Bl	S 8270TCL-RVT	WATER	DONE	U				
WG2115183-1	Laboratory Method Bl	S NYTCL-8270-RVT	WATER	DONE	U				
WG2115183-2	Laboratory Control S	S 8270TCL-RVT	WATER	DONE	U				
WG2115183-2	Laboratory Control S	S NYTCL-8270-RVT	WATER	DONE	U				
WG2115183-3	LCS Duplicate	S NYTCL-8270-RVT	WATER	DONE	U				
WG2115183-3	LCS Duplicate	S 8270TCL-RVT	WATER	DONE	U				
Comments:									
WG2115183-3	WG2115183-2								

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Oct 23 2025, 04:36 pm

Work Group: WG2115761 for Department: 2 Organic Preparation

Created: 17-SEP-25 Due: Operator: JCL

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2557076-02	FIELD BLANK	C NYTCL-8270-RVT	WATER	DONE	U				
WG2115761-1	Laboratory Method Bl	S NYTCL-8270-RVT	WATER	DONE	U				
WG2115761-2	Laboratory Control S	S NYTCL-8270-RVT	WATER	DONE	U				
WG2115761-3	LCS Duplicate	S NYTCL-8270-RVT	WATER	DONE	U				
Comments:									
WG2115761-3	WG2115761-2								

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Oct 23 2025, 04:36 pm

Work Group: WG2120226 for Department: 2 Organic Preparation

Created: 26-SEP-25 Due: Operator: LJO

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2557076-03	5A	C NYTCL-8270-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557076-04	5B	C NYTCL-8270-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557076-05	6A	C NYTCL-8270-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557076-06	6B	C NYTCL-8270-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557076-08	7B	C NYTCL-8270-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557076-09	10A	C NYTCL-8270-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2559740-02	AQ12	S NYTCL-8270-RVT	WATER	DONE	U	0929	1006	S0	Amber-A.1
L2559740-03	AQ13W	S NYTCL-8270-RVT	WATER	DONE	U	0929	1006	S0	Amber-A.1
L2559740-04	EW06	S NYTCL-8270-RVT	WATER	DONE	U	0929	1006	S0	Amber-A.1
WG2120226-1	Laboratory Method Bl	S NYTCL-8270-RVT	WATER	DONE	U				
WG2120226-2	Laboratory Control S	S NYTCL-8270-RVT	WATER	DONE	U				
WG2120226-3	LCS Duplicate	S NYTCL-8270-RVT	WATER	DONE	U				
Comments:									
WG2120226-3	WG2120226-2								

Dep.: GCMS
 Inst: SV112
 Date: 08/17/25
 Run: ICAL

Method
 GC: 8270RVT

Seq: **WG2104073**
 ICAL: 22560



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	Tune1	Tune Lot#11857				
1	ABNL9	IL2,32,,ABNL50 Lot# 11871				
2	ABNL8	IL3,32,,ABNL25 Lot# 11872				
3	ABNL7	IL4,32,,ABNL10 Lot# 11873				
4	ABNL6	IL5,32,,ABNL5 Lot# 11874				
5	ABNL5	IL6,32,,ABNL2.5 Lot# 11875				
6	ABNL4	IL7,32,,ABNL1 Lot# 11876				
7	ABNL3	IL8,32,,ABNL0.5 Lot# 11877				
8	ABNL2	IL9,32,,ABNL0.2 Lot# 11878				
9	ABNL1	IL10,32,,ABNL0.1 Lot# 11879				
10	AP9L9	IL2,32,,AP9L50 Lot# 11836				
11	AP9L8	IL3,32,,AP9L25 Lot# 11837				
12	AP9L7	IL4,32,,AP9L10 Lot# 11838				
13	AP9L6	IL5,32,,AP9L5 Lot# 11839				
14	AP9L5	IL6,32,,AP9L2.5 Lot# 11840				
15	AP9L4	IL7,32,,AP9L1 Lot# 11841				
16	AP9L3	IL8,32,,AP9L0.5 Lot# 11842				
17	AP9L2	IL9,32,,AP9L0.2 Lot# 11843				
18	AP9L1	IL10,32,,AP9L0.1 Lot# 11865				
19	ABNICV	CQICV1,32,,ABNICV Lot# 11881				
20	AP9ICV	CQICV2,32,,AP9ICV Lot# 11855				
141	Tune2	Tune Lot#11857				
21	ADPL9	IL2,32,,ADPL50 Lot# 11845				
22	ADPL8	IL3,32,,ADPL25 Lot# 11846				
23	ADPL7	IL4,32,,ADPL10 Lot# 11847				
24	ADPL6	IL5,32,,ADPL5 Lot# 11848				
25	ADPL5	IL6,32,,ADPL2.5 Lot# 11849				
26	ADPL4	IL7,32,,ADPL1 Lot# 11850				
27	ADPL3	IL8,32,,ADPL0.5 Lot# 11851				
28	ADPL2	IL9,32,,ADPL0.2 Lot# 11852				
29	ADPL1	IL10,32,,ADPL0.1 Lot# 11867				
30	ADPICV	CQICV,32,,ADPICV Lot# 11856			mrg	
31	ABNL5a	IL6,32,,ABNL2.5 Lot# 11882				
32	ABNICVa	CQICV,32,,ABNICV Lot# 11881				
33	Blank	Instrument Blank			cmm	

Analysis log File

Total Files Reported in Log : 33

Log Generated From Directory: I:\8270\Dakota\250820RVTICAL\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune 1.D	ABNRVT.M	Tune 1 Lot # 11857	WG2105679,,	8/20/2025 12:25 pm
2	ABNL9.D	ABNRVT.M	IL2,32,,ABNL50 Lot# 118	WG2105679,,	8/20/2025 12:47 pm
3	ABNL8.D	ABNRVT.M	IL3,32,,ABNL25 Lot# 118	WG2105679,,	8/20/2025 1:09 pm
4	ABNL7.D	ABNRVT.M	IL4,32,,ABNL10 Lot# 118	WG2105679,,	8/20/2025 1:31 pm
5	ABNL6.D	ABNRVT.M	IL5,32,,ABNL5 Lot# 1183	WG2105679,,	8/20/2025 1:54 pm
6	ABNL5.D	ABNRVT.M	IL6,32,,ABNL2.5 Lot# 11	WG2105679,,	8/20/2025 2:16 pm
7	ABNL4.D	ABNRVT.M	IL7,32,,ABNL1 Lot# 1183	WG2105679,,	8/20/2025 2:38 pm
8	ABNL3.D	ABNRVT.M	IL8,32,,ABNL0.5 Lot# 11	WG2105679,,	8/20/2025 3:01 pm
9	ABNL2.D	ABNRVT.M	IL9,32,,ABNL0.2 Lot# 11	WG2105679,,	8/20/2025 3:23 pm
10	ABNL1.D	ABNRVT.M	IL10,32,,ABNL0.1 Lot# 1	WG2105679,,	8/20/2025 3:45 pm
11	AP9L9.D	ABNRVT.M	IL2,32,,AP9L50 Lot# 118	WG2105679,,	8/20/2025 4:07 pm
12	AP9L8.D	ABNRVT.M	IL3,32,,AP9L25 Lot# 118	WG2105679,,	8/20/2025 4:30 pm
13	AP9L7.D	ABNRVT.M	IL4,32,,AP9L10 Lot# 118	WG2105679,,	8/20/2025 4:52 pm
14	AP9L6.D	ABNRVT.M	IL5,32,,AP9L5 Lot# 1183	WG2105679,,	8/20/2025 5:15 pm
15	AP9L5.D	ABNRVT.M	IL6,32,,AP9L2.5 Lot# 11	WG2105679,,	8/20/2025 5:37 pm
16	AP9L4.D	ABNRVT.M	IL7,32,,AP9L1 Lot# 1184	WG2105679,,	8/20/2025 6:00 pm
17	AP9L3.D	ABNRVT.M	IL8,32,,AP9L0.5 Lot# 11	WG2105679,,	8/20/2025 6:23 pm
18	AP9L2.D	ABNRVT.M	IL9,32,,AP9L0.2 Lot# 11	WG2105679,,	8/20/2025 6:46 pm
19	AP9L1.D	ABNRVT.M	IL10,32,,AP9L0.1 Lot# 1	WG2105679,,	8/20/2025 7:09 pm
20	ABNICV.D	ABNRVT.M	CQICV1,32,,ABNICV Lot#	WG2105679,,	8/20/2025 7:32 pm
21	AP9ICV.D	ABNRVT.M	CQICV2,32,,AP9ICV Lot#	WG2105679,,	8/20/2025 7:55 pm
22	Tune 2.D	ABNRVT.M	Tune 2 Lot # 11857	WG2105679,,	8/20/2025 8:17 pm
23	ADPL9.D	ABNRVT.M	IL2,32,,ADPL50 Lot# 118	WG2105679,,	8/20/2025 8:40 pm
24	ADPL8.D	ABNRVT.M	IL3,32,,ADPL25 Lot# 118	WG2105679,,	8/20/2025 9:02 pm
25	ADPL7.D	ABNRVT.M	IL4,32,,ADPL10 Lot# 118	WG2105679,,	8/20/2025 9:25 pm
26	ADPL6.D	ABNRVT.M	IL5,32,,ADPL5 Lot# 1184	WG2105679,,	8/20/2025 9:49 pm
27	ADPL5.D	ABNRVT.M	IL6,32,,ADPL2.5 Lot# 11	WG2105679,,	8/20/2025 10:11 pm
28	ADPL4.D	ABNRVT.M	IL7,32,,ADPL1 Lot# 1185	WG2105679,,	8/20/2025 10:34 pm
29	ADPL3.D	ABNRVT.M	IL8,32,,ADPL0.5 Lot# 11	WG2105679,,	8/20/2025 10:57 pm
30	ADPL2.D	ABNRVT.M	IL9,32,,ADPL0.2 Lot# 11	WG2105679,,	8/20/2025 11:20 pm
31	ADPL1.D	ABNRVT.M	IL10,32,,ADPL0.1 Lot# 1	WG2105679,,	8/20/2025 11:44 pm
32	ADPICV.D	ABNRVT.M	CQICV,32,,ADPICV Lot# 1	WG2105679,,	8/21/2025 12:07 am
33	Blank.D	ABNRVT.M	Instrument Blank		8/21/2025 12:30 am

Analysis log File

Total Files Reported in Log : 33

Log Generated From Directory: I:\8270\SV106\250827\ICAL\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.D	ABNRVT(SIM).	Tune1 Lot# 11857	WG2108428,,	8/27/2025 7:04 pm
2	ABNL9.D	ABNRVT(SIM).	IL2,32,,ABNL50 Lot# 118	WG2108428,,	8/27/2025 8:12 pm
3	ABNL8.D	ABNRVT(SIM).	IL3,32,,ABNL25 Lot# 118	WG2108428,,	8/27/2025 8:33 pm
4	ABNL7.D	ABNRVT(SIM).	IL4,32,,ABNL10 Lot# 118	WG2108428,,	8/27/2025 9:03 pm
5	ABNL6.D	ABNRVT(SIM).	IL5,32,,ABNL5 Lot# 1188	WG2108428,,	8/27/2025 9:24 pm
6	ABNL5.D	ABNRVT(SIM).	IL6,32,,ABNL2.5 Lot# 11	WG2108428,,	8/27/2025 9:46 pm
7	ABNL4.D	ABNRVT(SIM).	IL7,32,,ABNL1 Lot# 1189	WG2108428,,	8/27/2025 10:07 pm
8	ABNL3.D	ABNRVT(SIM).	IL8,32,,ABNL0.5 Lot# 11	WG2108428,,	8/27/2025 10:28 pm
9	ABNL2.D	ABNRVT(SIM).	IL9,32,,ABNL0.2 Lot# 11	WG2108428,,	8/27/2025 10:50 pm
10	ABNL1.D	ABNRVT(SIM).	IL10,32,,ABNL0.1 Lot# 1	WG2108428,,	8/27/2025 11:11 pm
11	ABNICV.D	ABNRVT(SIM).	CQICV1,32,,ABNICV Lot#	WG2108428,,	8/27/2025 11:33 pm
12	Tune2.D	ABNRVT(SIM).	Tune2 Lot# 11857	WG2108428,,	8/27/2025 11:54 pm
13	AP9L9.D	ABNRVT(SIM).	IL2,32,,AP9L50 Lot# 119	WG2108428,,	8/28/2025 12:16 am
14	AP9L7.D	ABNRVT(SIM).	IL4,32,,AP9L10 Lot# 119	WG2108428,,	8/28/2025 12:58 am
15	AP9L8.D	ABNRVT(SIM).	IL3,32,,AP9L25 Lot# 119	WG2108428,,	8/28/2025 12:37 am
16	AP9L6.D	ABNRVT(SIM).	IL5,32,,AP9L5 Lot# 1192	WG2108428,,	8/28/2025 1:20 am
17	AP9L5.D	ABNRVT(SIM).	IL6,32,,AP9L2.5 Lot# 11	WG2108428,,	8/28/2025 1:41 am
18	AP9L4.D	ABNRVT(SIM).	IL7,32,,AP9L1 Lot# 1192	WG2108428,,	8/28/2025 2:03 am
19	AP9L3.D	ABNRVT(SIM).	IL8,32,,AP9L0.5 Lot# 11	WG2108428,,	8/28/2025 2:24 am
20	AP9L2.D	ABNRVT(SIM).	IL9,32,,AP9L0.2 Lot# 11	WG2108428,,	8/28/2025 2:45 am
21	AP9L1.D	ABNRVT(SIM).	IL10,32,,AP9L0.1 Lot# 1	WG2108428,,	8/28/2025 3:07 am
22	ADPL9.D	ABNRVT(SIM).	IL2,32,,ADPL50 Lot# 119	WG2108428,,	8/28/2025 3:28 am
23	ADPL8.D	ABNRVT(SIM).	IL3,32,,ADPL25 Lot# 119	WG2108428,,	8/28/2025 3:50 am
24	ADPL7.D	ABNRVT(SIM).	IL4,32,,ADPL10 Lot# 119	WG2108428,,	8/28/2025 4:11 am
25	ADPL6.D	ABNRVT(SIM).	IL5,32,,ADPL5 Lot# 1190	WG2108428,,	8/28/2025 4:32 am
26	ADPL5.D	ABNRVT(SIM).	IL6,32,,ADPL2.5 Lot# 11	WG2108428,,	8/28/2025 4:54 am
27	ADPL4.D	ABNRVT(SIM).	IL7,32,,ADPL1 Lot# 1190	WG2108428,,	8/28/2025 5:15 am
28	ADPL3.D	ABNRVT(SIM).	IL8,32,,ADPL0.5 Lot# 11	WG2108428,,	8/28/2025 5:36 am
29	ADPL2.D	ABNRVT(SIM).	IL9,32,,ADPL0.2 Lot# 11	WG2108428,,	8/28/2025 5:58 am
30	ADPL1.D	ABNRVT(SIM).	IL10,32,,ADPL0.1 Lot# 1	WG2108428,,	8/28/2025 6:19 am
31	AP9ICV.D	ABNRVT(SIM).	CQICV2,32,,AP9ICV Lot#	WG2108428,,	8/28/2025 6:40 am
32	ADPICV.D	ABNRVT(SIM).	CQICV,32,,ADPICV Lot# 1	WG2108428,,	8/28/2025 7:02 am
33	Blank.D	ABNRVT(SIM).	RVT Instrument Blank	wg,,ical	8/28/2025 7:23 am

Dep.: GCMS
 Inst: **SV107**
 Date: **08/26/25**
 Run: **ICAL**

Method
 GC: **8270RVT(SIM)**

Seq:
 ICAL:



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	Tune1	Tune lot #11857				
1	ABNL9	IL2,32,,ABNL50 Lot# 11885				
2	ABNL8	IL3,32,,ABNL25 Lot# 11886				
3	ABNL7	IL4,32,,ABNL10 Lot# 11887				
4	ABNL6	IL5,32,,ABNL5 Lot# 11888				
5	ABNL5	IL6,32,,ABNL2.5 Lot# 11889				
6	ABNL4	IL7,32,,ABNL1 Lot# 11890				
7	ABNL3	IL8,32,,ABNL0.5 Lot# 11891				
8	ABNL2	IL9,32,,ABNL0.2 Lot# 11892				
9	ABNL1	IL10,32,,ABNL0.1 Lot# 11893				
10	ABNICV	CQICV1,32,,ABNICV Lot# 11915				
141	Tune2	Tune lot #11857				
11	AP9L9	IL2,32,,AP9L50 Lot# 11894				
12	AP9L8	IL3,32,,AP9L25 Lot# 11895				
13	AP9L7	IL4,32,,AP9L10 Lot# 11896				
14	AP9L6	IL5,32,,AP9L5 Lot# 11897				
15	AP9L5	IL6,32,,AP9L2.5 Lot# 11898				
16	AP9L4	IL7,32,,AP9L1 Lot# 11899				
17	AP9L3	IL8,32,,AP9L0.5 Lot# 11900				
18	AP9L2	IL9,32,,AP9L0.2 Lot# 11901				
19	AP9L1	IL10,32,,AP9L0.1 Lot# 11902				
20	ADPL9	IL2,32,,ADPL50 Lot# 11903				
21	ADPL8	IL3,32,,ADPL25 Lot# 11904				
22	ADPL7	IL4,32,,ADPL10 Lot# 11905				
23	ADPL6	IL5,32,,ADPL5 Lot# 11906				
24	ADPL5	IL6,32,,ADPL2.5 Lot# 11907				
25	ADPL4	IL7,32,,ADPL1 Lot# 11908				
26	ADPL3	IL8,32,,ADPL0.5 Lot# 11909				
27	ADPL2	IL9,32,,ADPL0.2 Lot# 11910				
28	ADPL1	IL10,32,,ADPL0.1 Lot# 11911				
29	AP9ICV	CQICV2,32,,AP9ICV Lot# 11913				
30	ADPICV	CQICV,32,,ADPICV Lot# 11914				
31	InstBlnk	Instrument Blank			mrg	
141	Tune3	Tune lot #11857				
11	AP9L9a	IL2,32,,AP9L50 Lot# 11923				
12	AP9L8a	IL3,32,,AP9L25 Lot# 11924				
13	AP9L7a	IL4,32,,AP9L10 Lot# 11925				
14	AP9L6a	IL5,32,,AP9L5 Lot# 11926				
15	AP9L5a	IL6,32,,AP9L2.5 Lot# 11927				
16	AP9L4a	IL7,32,,AP9L1 Lot# 11928				
17	AP9L3a	IL8,32,,AP9L0.5 Lot# 11929				
18	AP9L2a	IL9,32,,AP9L0.2 Lot# 11930				
19	AP9L1a	IL10,32,,AP9L0.1 Lot# 11931				
29	AP9ICVa	CQICV2,32,,AP9ICV Lot# 11932				
31	InstBlnka	Instrument Blank			gmr	

Dep.: GCMS
 Inst: **SV107**
 Date: **09/16/25**
 Run:

Method
 GC: **8270RVT(SIM)**
 Seq: **WG2115301**
 ICAL: 22592



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG0916	wg-1,32,,Degdftpp Lot # 11857				smz 9/16
142	ABN0916	wg-3,32,,ABN 11823 gmr0814A	Full List			smz 9/16
143	AP90916	wg-4,32,,AP9 11662 gmr0814B	Some outages low, rr			
144	ADP0916	wg-5,32,,ADP 11661 gmr0913B				smz 9/16
143	AP90916a	wg-4,32,,AP9 11932 gmr0814B				smz 9/16
1	115144-1	WG2115144-1,32,,gmr				smz 9/16
2	115144-2	WG2115144-2,32,,gmr				smz 9/16
3	115144-3	WG2115144-3,32,,gmr				smz 9/16
4	115183-1	WG2115183-1,32,,gmr				smz 9/16
5	115183-2	WG2115183-2,32,,gmr				smz 9/16
6	115183-3	WG2115183-3,32,,gmr				smz 9/16
7	58077-01	L2558077-01,32,,R3A,gmr				smz 9/16
8	56650-01	L2556650-01,32,,gmr				smz 9/16
9	56458-03	L2556458-03,32,,gmr				smz 9/16
10	115185-2	WG2115185-2,32,,gmr			sv-smz	smz 9/16
11	115185-3	WG2115185-3,32,,gmr				smz 9/16
12	115185-1	WG2115185-1,32,,gmr			gmr	smz 9/16
13	14261-2	WG2114261-2,32,,rv				smz 9/16
14	14261-3	WG2114261-3,32,,rv				smz 9/16
15	57043-01	L2557043-01,32,,R3F,gmr				smz 9/16
16	57043-04	L2557043-04,32,,R3F,gmr				smz 9/16
17	57043-07	L2557043-07,32,,R3F,gmr				smz 9/16
18	57043-10	L2557043-10,32,,R3F,gmr				smz 9/16
19	57043-13	L2557043-13,32,,R3F,gmr				smz 9/16
20	57043-16	L2557043-16,32,,R3F,gmr				smz 9/16
21	14909-2	WG2114909-2,32,,rv			sv jg	smz 9/17
22	14909-3	WG2114909-3,32,,rv				smz 9/17
23	57076-02	L2557076-02,32,,gmr	RX		smz	smz 9/17
					SV-ASK	

Dep.: GCMS
 Inst: SV106
 Date: **09/17/25**
 Run:

Method
 GC: ABNRVT(SIM)

Seq: **WG2116036**
 ICAL: **22591**



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG0917	wg-1,32,,SV106 Degdftpp Lot #	11857			9/18 als
142	ABN0917	wg-3,32,,ABN 11979 mrg0904A	Benzoic Acid Low			9/18 als
143	AP90917	wg-4,32,,AP9 11990 gmr0916A				9/18 als
144	ADP0917	wg-5,32,,ADP 11661 gmr0913A				9/18 als
1	115766-1	WG2115766/1-1,32,,gmr				9/18 als
2	115766-2	WG2115766/1-2,32,,gmr				9/18 als
3	115766-3	WG2115766/1-3,32,,gmr				9/18 als
4	115764-1	WG2115764/3-1,32,,gmr			gmr	cmm 9/19
5	15593-1	WG2115593-1,32,,rv,imk				9/18 als
6	15593-2	WG2115593-2,32,,rv,imk				9/18 als
7	15593-3	WG2115593-3,32,,rv,imk				9/18 als
8	6277-02	L2556277-02,32,,rv,imk				cmm 9/21
9	6906-01	L2556906-01,32,,rv,imk			sv jg	9/18 als
10	115764-2	WG2115764/3-2,32,,gmr				cmm 9/19
11	115764-3	WG2115764/3-3,32,,gmr				cmm 9/19
12	58047-07	L2558047-07,32,,R1C,gmr				
13	56506-01	L2556506-01,32,,gmr	10x OC 3/4MP			cmm 9/19
14	56511-01	L2556511-01,32,,gmr	RX <10			cmm 9/19
15	56515-01	L2556515-01,32,,gmr				cmm 9/19
16	56520-01	L2556520-01,32,,gmr				cmm 9/19
17	56523-01	L2556523-01,32,,gmr	RX <10			cmm 9/19
18	56526-01	L2556526-01,32,,gmr	RX <10			cmm 9/19
19	56564-01	L2556564-01,32,,gmr				cmm 9/19
20	58093-14	L2558093-14,32,,R3C,gmr	RX			smz 9/19
21	58093-15	L2558093-15,32,,R3C,gmr	RX			smz 9/19
22	58093-17	L2558093-17,32,,R3C,gmr	RX			smz 9/19
23	58093-18	L2558093-18,32,,R3C,gmr	RX			smz 9/19
24	58093-19	L2558093-19,32,,R3C,gmr	RX			smz 9/19
25	58031-01	L2558031-01,32,,gmr			imk	cmm 9/21
					SV-ASK	

Dep.: GCMS
 Inst: DAKOTA
 Date: 09/17/25
 Run:

Method
 GC: ABNRVT
 Seq: **WG2116041**
 ICAL: 22568



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	DEG0917	wg-1,32,,Degdftpp Lot # 11981				smz 9/23
96	ABN0917	wg-3,32,,ABN 11979 mrg0904A	Full List:			smz 9/23
97	AP90917	wg-4,32,,AP9 11990 gmr0916A				smz 9/23
98	ADP0917	wg-5,32,,ADP 11661 gmr0913A				smz 9/23
1	115771-1	WG2115771-1,32,,gmr	pht			smz 9/23
2	115771-2	WG2115771-2,32,,gmr	RV 73			smz 9/23
3	115771-3	WG2115771-3,32,,gmr	RV 73			smz 9/23
4	58382-01	L2558382-01,32,,R3E,gmr	RX			smz 9/23
5	57736-01	L2557736-01,32,,gmr				smz 9/23
6	57736-02	L2557736-02,32,,gmr				smz 9/23
7	57736-03	L2557736-03,32,,gmr				smz 9/23
8	57736-04	L2557736-04,32,,gmr				smz 9/23
9	57736-05	L2557736-05,32,,gmr				smz 9/23
10	57736-06	L2557736-06,32,,gmr				smz 9/23
11	57736-07	L2557736-07,32,,gmr				smz 9/23
12	57736-08	L2557736-08,32,,gmr				smz 9/23
13	57736-09	L2557736-09,32,,gmr				smz 9/23
14	57076-03	L2557076-03,32,,gmr	RX			smz 9/26
15	57076-04	L2557076-04,32,,gmr	RX			smz 9/26
16	57076-05	L2557076-05,32,,gmr	RX			smz 9/26
17	57076-06	L2557076-06,32,,gmr	RX			smz 9/26
18	57076-07	L2557076-07,32,,gmr	RX			smz 9/26
19	57076-08	L2557076-08,32,,gmr	RX			smz 9/26
20	57076-09	L2557076-09,32,,gmr	RX			smz 9/26
21	57076-10	L2557076-10,32,,gmr				smz 9/26
22	58070-01	L2558070-01,32,,gmr	RX			smz 9/23
23	115038-4	WG2115038-4,32,,gmr				
24	115038-5	WG2115038-5,32,,gmr				
25	39267-61	L2539267-61,32,,gmr				gmr
						sv-csn

Dep.: GCMS
 Inst: SV106
 Date: **09/18/25**
 Run:

Method
 GC: ABNRVT(SIM)

Seq: **WG2116472**
 ICAL: **22591**



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG0918	wg-1,32,,SV106 Degdftpp Lot # 11857				9/18jg
142	ABN0918	wg-3,32,,ABN 11979 mrg0904A	Benzoic Acid Low			9/18jg
143	AP90918	wg-4,32,,AP9 11990 gmr0916A				9/18jg
144	ADP0918	wg-5,32,,ADP 11661 gmr0913A				9/18jg
1	116305-1	WG2116305-1,32,,gmr				9/18jg
2	116305-2	WG2116305-2,32,,gmr				9/18jg
3	116305-3	WG2116305-3,32,,gmr				9/18jg
4	57443-01	L2557443-01,32,,R3E,RE,gmr				9/18jg
5	116305-4	WG2116305-4,32,,gmr				9/18jg
6	116305-5	WG2116305-5,32,,gmr				9/18jg
7	57443-02	L2557443-02,32,,R3E,RE,gmr				9/18jg
8	57443-03	L2557443-03,32,,R3E,RE,gmr				9/18jg
9	57443-04	L2557443-04,32,,R3E,RE,gmr				9/18jg
10	57443-05	L2557443-05,32,,R3E,RE,gmr				9/18jg
11	57443-06	L2557443-06,32,,R3E,RE,gmr				9/18jg
12	57443-07	L2557443-07,32,,R3E,RE,gmr			sv jg	9/18jg
13	57076-02	L2557076-02,32,,RE,gmr				smz 9/26
14	55489-11	L2555489-11,32,,RV,gmr	RR, not ND, RX QC fail			cmm 9/20
15	789-01d1	L2556789-01d,32,20,gmr				9/24jg
16	789-01d2	L2556789-01d,32,100,gmr	not needed			
17	57776-07	L2557776-07,32,,gmr				slr 9/24
18	57776-08	L2557776-08,32,,gmr				slr 9/24
19	57776-09	L2557776-09,32,,gmr				slr 9/24
20	57776-10	L2557776-10,32,,gmr				slr 9/24
21	57776-11	L2557776-11,32,,gmr				slr 9/24
22	57776-12	L2557776-12,32,,gmr				slr 9/24
23	57776-13	L2557776-13,32,,gmr				slr 9/24
24	57776-14	L2557776-14,32,,gmr				slr 9/24
25	57776-15	L2557776-15,32,,gmr			gmr	slr 9/24
					SV-ASK	

Dep.: GCMS
 Inst: SV112
 Date: 09/28/25
 Run:

Method
 GC: 8270RVT

Seq: **WG2120745**
 ICAL: 22560



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG0928	wg-1,32,,Degdftpp SV112 Lot # 11	981			smz 9/29
142	ABN0928	wg-3,32,,ABN 11823 gmr0814A	Pyridine Low			smz 9/29
143	AP90928	wg-4,32,,AP9 11662 gmr0814A	Benzaldehyde High			smz 9/29
144	ADP0928	wg-5,32,,ADP 11661 gmr0913A				smz 9/29
1	120359-1	WG2120359/8-1,32,,mrg				smz 9/29
2	120359-2	WG2120359/8-2,32,,mrg				smz 9/29
3	120359-3	WG2120359/8-3,32,,mrg				smz 9/29
4	120384-1	WG2120384-1,32,,mrg				smz 9/29
5	120384-2	WG2120384-2,32,,mrg				smz 9/29
6	120384-3	WG2120384-3,32,,mrg				smz 9/29
7	120497-1	WG2120497-1,32,,mrg				smz 9/29
8	120497-2	WG2120497-2,32,,mrg				smz 9/29
9	120497-3	WG2120497-3,32,,mrg				smz 9/29
10	60231-01	L2560231-01,32,,R1C,mrg				smz 9/29
11	60231-04	L2560231-04,32,,R1C,mrg				smz 9/29
12	60231-05	L2560231-05,32,,R1C,mrg				smz 9/29
13	60231-06	L2560231-06,32,,R1C,mrg				smz 9/29
14	60231-08	L2560231-08,32,,R1C,mrg				smz 9/29
15	61061-02	L2561061-02,32,,R1A,mrg				smz 9/29
16	61061-03	L2561061-03,32,,R1A,mrg				smz 9/29
17	61061-04	L2561061-04,32,,R1A,mrg				smz 9/29
18	61061-05	L2561061-05,32,,R1A,mrg				smz 9/29
19	61061-06	L2561061-06,32,,R1A,mrg				smz 9/29
20	61061-07	L2561061-07,32,,R1A,mrg				smz 9/29
21	60590-01	L2560590-01,32,,R3B,mrg				smz 9/29
22	60591-01	L2560591-01,32,,R3B,mrg				smz 9/29
23	60592-01	L2560592-01,32,,R3B,mrg				smz 9/29
24	60742-01	L2560742-01,32,,mrg	10x			smz 9/29
25	59458-24	L2559458-24,32,,RR,mrg				smz 9/29
26	57076-08	L2557076-08,32,,RE,mrg				smz 9/29
27	57076-09	L2557076-09,32,,RE,mrg			mrg	smz 9/29
					sv-smc	

Dep.: GCMS
 Inst: DAKOTA
 Date: 09/28/25
 Run:

Method
 GC: ABNRVT
 Seq: **WG2120752**
 ICAL: 22568



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	DEG0928	wg-1,32,,Degdftpp Lot # 11981				slr 9/29
96	ABN0928	wg-3,32,,ABN 11822 gmr0916B	RR, FS Vial			
97	AP90928	wg-4,32,,AP9 11655 gmr0916B	RR, FS Vial			
96	ABN0928a	wg-3,32,,ABN 11823 gmr0814A	Pyridine Low			slr 9/29
97	AP90928a	wg-4,32,,AP9 11662 gmr0814A	Benzaldehyde High			slr 9/29
98	ADP0928	wg-5,32,,ADP 11661 gmr0913A				slr 9/29
1	120419-1	WG2120419-1,32,,mrg				slr 9/29
2	120419-2	WG2120419-2,32,,mrg				slr 9/29
3	120419-3	WG2120419-3,32,,mrg				slr 9/29
4	120098-1	wg2120098-1,32,,mrg				smz 10/01
5	120098-2	wg2120098-2,32,,mrg				smz 10/01
6	120098-3	wg2120098-3,32,,mrg				smz 10/01
7	120226-1	wg2120226-1,32,,mrg	RV			
8	120226-2	wg2120226-2,32,,mrg				smz 9/29
9	120226-3	wg2120226-3,32,,mrg				smz 9/29
10	59015-09	L2559015-09,32,,mrg				smz 10/01
11	58347-06	L2558347-06,32,,RE,mrg				slr 9/29
12	58379-03	L2558379-03,32,,RE,mrg				slr 9/29
13	58379-04	L2558379-04,32,,RE,mrg				slr 9/29
14	58379-05	L2558379-05,32,,RE,mrg				slr 9/29
15	58379-06	L2558379-06,32,,RE,mrg				slr 9/29
16	58379-07	L2558379-07,32,,RE,mrg				slr 9/29
17	58379-08	L2558379-08,32,,RE,mrg				slr 9/29
18	58666-01	L2558666-01,32,,RE,mrg				slr 9/29
19	58666-04	L2558666-04,32,,RE,mrg				slr 9/29
20	120419-4	WG2120419-4,32,,RE,mrg				slr 9/29
21	120419-5	WG2120419-5,32,,RE,mrg				slr 9/29
22	58666-05	L2558666-05,32,,RE,mrg				slr 9/29
23	58666-08	L2558666-08,32,,RE,mrg				slr 9/29
24	58687-01	L2558687-01,32,,RE,mrg				slr 9/29
25	58687-04	L2558687-04,32,,RE,mrg				slr 9/29
26	58687-05	L2558687-05,32,,RE,mrg				slr 9/29
27	58687-06	L2558687-06,32,,RE,mrg	OTT			
28	58666-06	L2558666-06,32,,RE,mrg	OTT\10x M			mrg
						sv-smc

Dep.: GCMS
 Inst: **SV107**
 Date: **09/28/25**
 Run:

Method
 GC: **8270RVT(SIM)**
 Seq: **WG2120753**
 ICAL: 22592



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG0928	wg-1,32,,Degdftpp Lot # 11857				smz 9/30
142	ABN0928	wg-3,32,,ABN 11823 gmr0814A	Full List			smz 9/30
143	AP90928	wg-4,32,,AP9 11662 gmr0814A				smz 9/30
144	ADP0928	wg-5,32,,ADP 11661 gmr0913A				smz 9/30
1	120598-1	WG2120598-1,32,,mrg				smz 9/30
2	120598-2	WG2120598-2,32,,mrg				smz 9/30
3	120598-3	WG2120598-3,32,,mrg				smz 9/30
4	120586-1	WG2120586-1,32,,mrg				smz 9/30
5	120586-2	WG2120586-2,32,,mrg				smz 9/30
6	120586-3	WG2120586-3,32,,mrg				smz 9/30
7	59971-01	L2559971-01,32,,R3A,mrg				smz 9/30
8	60075-05	L2560075-05,32,,mrg				smz 9/30
9	60032-01	L2560032-01,32,,R3F,mrg				smz 9/30
10	60032-04	L2560032-04,32,,R3F,mrg				smz 9/30
11	60032-07	L2560032-07,32,,R3F,mrg				smz 9/30
12	60032-10	L2560032-10,32,,R3F,mrg				smz 9/30
13	60032-13	L2560032-13,32,,R3F,mrg				smz 9/30
14	60032-16	L2560032-16,32,,R3F,mrg				smz 9/30
15	60032-19	L2560032-19,32,,R3F,mrg				smz 9/30
16	60032-22	L2560032-22,32,,R3F,mrg				smz 9/30
17	60032-25	L2560032-25,32,,R3F,mrg				smz 9/30
18	57076-03	I2557076-03,32,,mrg				smz 9/30
19	57076-04	I2557076-04,32,,mrg				smz 9/30
20	57076-05	I2557076-05,32,,mrg				smz 9/30
21	57076-06	I2557076-06,32,,mrg				smz 9/30
22	120598-4	WG2120598-4,32,,mrg				
23	120598-5	WG2120598-5,32,,mrg				
24	39267-13	L2539267-13,32,,mrg			mrg	
					sv-smv	

250929

2025

SV107

Dep.: GCMS
 Inst: **SV107**
 Date: **09/29/25**
 Run:

Method
 GC: **8270RVT(SIM)**

Seq: **WG2121049**
 ICAL: 22592



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG0929	wg-1,32,,Degdftp Lot # 11981				smz 9/29
142	ABN0929	wg-3,32,,ABN 11823 gmr0814B				smz 9/29
143	AP90929	wg-4,32,,AP9 11662 gmr0814B				smz 9/29
144	ADP0929	wg-5,32,,ADP 11661 gmr0913B				smz 9/29
145	BLK0929	BLANK				
1	666-06d1	L2558666-06d,32,10,smc				9/30jg
2	505-10d1	L2558505-10d,32,5,smc				smz 9/30
3	742-01d1	L2560742-01d,32,10,R3B,smc			SC/IK	smz 9/30
4	59172-03	L2559172-03,32,,IMK				smz 9/29
5	59172-02	L2559172-02,32,5,IMK			sv-smz	smz 9/29
6	749-01d1	L2559749-01d,32,5,smc				10/2jg
7	749-02d1	L2559749-02d,32,10,smc				10/2jg
8	749-06d1	L2559749-06d,32,5,smc				10/2jg
9	749-07d1	L2559749-07d,32,5,smc	20x, oc		IMK	10/2jg
10	20226-1	WG2120226-1,32,,RV			smz	smz 9/30
					SV-ASK	



ORGANIC ELN REPORT

Workgroup: WG2115183

Prep Method: EPA 3510C Solvent Type: DCM Surrogate Type: ABN Spike Type: ABN Spike Verify by: JCL Lims Spikelot: 8270-RVT Additional Reagents/Std <table><tr><td>H2SO4</td><td>A062825</td></tr><tr><td>Na2SO4</td><td>244434</td></tr><tr><td>NaOH</td><td>10NNaOH091525</td></tr></table>	H2SO4	A062825	Na2SO4	244434	NaOH	10NNaOH091525	Conc.Method: Buchi Solvent Type: DCM Lot #: EK640 Additional Reagents/Std	Cleanup 1 Cleanup Method 1: Cleanup Method 2: Solvent Type: Lot #: Additional Reagents/Std
H2SO4	A062825							
Na2SO4	244434							
NaOH	10NNaOH091525							

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2555946-07 SAMP	09/16/25 19:21	Francis Mbro- Menyah	100	<2,>12	.1		09/16/25 22:45	Mary Asare	1	K
L2556995-02	09/16/25 16:02	Francis Mbro- Menyah	100	<2,>12	.1		09/16/25 22:45	Mary Asare	1	K
L2557076-02 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:16	Mary Asare	1	K
L2557076-03 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:16	Mary Asare	1	K
L2557076-04 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:16	Mary Asare	1	K



ORGANIC ELN REPORT

Workgroup: WG2115183

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2557076-05 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:16	Mary Asare	1	K
L2557076-06 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:16	Mary Asare	1	K
L2557076-07 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:16	Mary Asare	1	K
L2557076-08 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:16	Mary Asare	1	K
L2557076-09 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:16	Mary Asare	1	K
L2557076-10 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:16	Mary Asare	1	K
L2558077-01 SAMP	09/16/25 04:15	Amanda Patterson	100	<2, >12	.1		09/16/25 04:16	Mary Asare	1	K
WG2115183-1 BLANK	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:16	Mary Asare	1	K
WG2115184										



ORGANIC ELN REPORT

Workgroup: WG2115183

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
WG2115183 -2 LCS	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1	.1	09/16/25 04:16	Mary Asare	1	K
WG2115183 -3 LCSD	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1	.1	09/16/25 04:16	Mary Asare	1	K



ORGANIC ELN REPORT

Workgroup: WG2115761

Prep Method: EPA 3510C Solvent Type: DCM Surrogate Type: ABN Spike Type: ABN Spike Verify by: JCL Lims Spikelot: 8270-RVT Additional Reagents/Std <table><tr><td>H2SO4</td><td>A062825</td></tr><tr><td>Na2SO4</td><td>244434</td></tr><tr><td>NaOH</td><td>10NNaOH091525</td></tr></table>	H2SO4	A062825	Na2SO4	244434	NaOH	10NNaOH091525	Conc.Method: Buchi Solvent Type: DCM Lot #: EK640 Additional Reagents/Std	Cleanup 1 Cleanup Method 1: Cleanup Method 2: Solvent Type: Lot #: Additional Reagents/Std
H2SO4	A062825							
Na2SO4	244434							
NaOH	10NNaOH091525							

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2557076-02 SAMP	09/17/25 12:11	Tian-Long Chheou	100	<2,>12	.1		09/17/25 14:45	Kellsey Geikie	1	K
L2558093-14	09/17/25 05:42	Jessica Labossiere	100	<2,>12	.1		09/17/25 06:49	Mary Asare	1	K
L2558093-15	09/17/25 05:42	Jessica Labossiere	100	<2,>12	.1		09/17/25 06:49	Mary Asare	1	K
L2558093-17	09/17/25 05:42	Jessica Labossiere	100	<2,>12	.1		09/17/25 06:49	Mary Asare	1	K
L2558093-18	09/17/25 05:42	Jessica Labossiere	100	<2,>12	.1		09/17/25 06:49	Mary Asare	1	K



ORGANIC ELN REPORT

Workgroup: WG2115761

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2558093-19	09/17/25 05:42	Jessica Labossier e	100	<2,>12	.1		09/17/25 06:49	Mary Asare	1	K
WG2115761-1 BLANK	09/17/25 05:42	Jessica Labossier e	100	<2,>12	.1		09/17/25 06:49	Mary Asare	1	K
WG2115761, WG2115765, WG2115766, WG2115767										
WG2115761-2 LCS	09/17/25 05:42	Jessica Labossier e	100	<2,>12	.1	.1	09/17/25 06:49	Mary Asare	1	K
WG2115761-3 LCSD	09/17/25 05:42	Jessica Labossier e	100	<2,>12	.1	.1	09/17/25 06:49	Mary Asare	1	K



ORGANIC ELN REPORT

Workgroup: WG2120226

Prep Method: EPA 3510C Solvent Type: DCM Surrogate Type: ABN Spike Type: ABN Spike Verify by: LJO Lims Spikelot: 8270-RVT Additional Reagents/Std <table><tr><td>H2SO4</td><td>A062825</td></tr><tr><td>Na2SO4</td><td>241169/233959/282823</td></tr><tr><td>NaOH</td><td>10NNaOH091525</td></tr></table>	H2SO4	A062825	Na2SO4	241169/233959/282823	NaOH	10NNaOH091525	Conc.Method: Buchi Solvent Type: DCM Lot #: EK834 Additional Reagents/Std	Cleanup 1 Cleanup Method 1: Cleanup Method 2: Solvent Type:Lot #: Additional Reagents/Std
H2SO4	A062825							
Na2SO4	241169/233959/282823							
NaOH	10NNaOH091525							

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2557076-03 SAMP	09/26/25 15:45	Luke O'Donnel 	100	<2, >12	.1		09/26/25 18:07	Daniel Erhagbai	1	K
L2557076-04 SAMP	09/26/25 15:45	Luke O'Donnel 	100	<2, >12	.1		09/26/25 18:07	Daniel Erhagbai	1	K
L2557076-05 SAMP	09/26/25 15:45	Luke O'Donnel 	100	<2, >12	.1		09/26/25 18:07	Daniel Erhagbai	1	K
L2557076-06 SAMP	09/26/25 15:45	Luke O'Donnel 	100	<2, >12	.1		09/26/25 18:07	Daniel Erhagbai	1	K
L2557076-08 SAMP	09/26/25 15:45	Luke O'Donnel 	100	<2, >12	.1		09/26/25 18:07	Daniel Erhagbai	1	K



ORGANIC ELN REPORT

Workgroup: WG2120226

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2557076-09 SAMP	09/26/25 15:45	Luke O'Donnel 	100	<2, >12	.1		09/26/25 18:07	Daniel Erhagbai	1	K
L2559740-01	09/27/25 01:55	Jessica Labossier e	100	<2, >12	.1		09/27/25 03:27	Rebecca Corbin	1	K
	SURRE:11978ae,03/02/2026,3r,7,1									
L2559740-02 WATER	09/27/25 01:55	Jessica Labossier e	100	<2, >12	.1		09/27/25 03:28	Rebecca Corbin	1	K
	SURRE:11978ae,03/02/2026,3r,7,1									
L2559740-03 WATER	09/27/25 01:55	Jessica Labossier e	100	<2, >12	.1		09/27/25 03:28	Rebecca Corbin	1	K
	SURRE:11978ae,03/02/2026,3r,7,1									
L2559740-04 WATER	09/27/25 01:55	Jessica Labossier e	100	<2, >12	.1		09/27/25 03:27	Rebecca Corbin	1	K
	SURRE:11978ae,03/02/2026,3r,7,1									
WG2120226-1 BLANK	09/26/25 15:45	Luke O'Donnel 	100	<2, >12	.1		09/26/25 18:07	Daniel Erhagbai	1	K
WG2120226-2 LCS	09/26/25 15:45	Luke O'Donnel 	100	<2, >12	.1	.1	09/26/25 18:07	Daniel Erhagbai	1	K
WG2120226-3 LCSD	09/26/25 15:45	Luke O'Donnel 	100	<2, >12	.1	.1	09/26/25 18:07	Daniel Erhagbai	1	K

Semivolatiles Data by Method 8270D-SIM

Semivolatiles QC Summary

Surrogate Recovery Summary

Form 2

Semivolatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2557076
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
FIELD BLANK (L2557076-02)	69	52	120	90	137*	91	1
5A (L2557076-03)	66	48	113	84	131*	87	1
5B (L2557076-04)	66	48	117	89	133*	88	1
6A (L2557076-05)	62	45	105	79	119	85	0
6B (L2557076-06)	56	43	112	85	118	93	0
7A (L2557076-07)	69	49	119	91	138*	96	1
7B (L2557076-08)	71	51	120	90	137*	97	1
10A (L2557076-09)	69	46	84	94	82	131	0
10B (L2557076-10)	67	45	79	92	110	107	0
WG2115184-1BLANK	84	58	90	100	105	102	0
WG2115184-2LCS	69	54	109	83	83	83	0
WG2115184-3LCSD	76	59	119	91	96	89	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

* Values outside of QC limits

FORM II NYTCL-8270-SIM-RVT



Form 3

Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2115184-2	Analysis Date	: 09/20/25 16:13
		File ID	: 115184-2
LCSD Sample ID	: WG2115184-3	Analysis Date	: 09/20/25 16:30
		File ID	: 115184-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Acenaphthene	20	16	78	20	17	84	7	40-140	40
2-Chloronaphthalene	20	15	77	20	17	83	8	40-140	40
Fluoranthene	20	17	84	20	18	88	5	40-140	40
Hexachlorobutadiene	20	14	69	20	15	74	7	40-140	40
Naphthalene	20	14	68	20	15	74	8	40-140	40
Benzo(a)anthracene	20	18	88	20	19	93	6	40-140	40
Benzo(a)pyrene	20	18	90	20	19	97	7	40-140	40
Benzo(b)fluoranthene	20	18	90	20	20	103	13	40-140	40
Benzo(k)fluoranthene	20	17	87	20	17	86	1	40-140	40
Chrysene	20	17	83	20	17	87	5	40-140	40
Acenaphthylene	20	17	86	20	18	91	6	40-140	40
Anthracene	20	16	81	20	17	86	6	40-140	40
Benzo(ghi)perylene	20	18	88	20	18	93	6	40-140	40
Fluorene	20	17	84	20	18	90	7	40-140	40
Phenanthrene	20	15	77	20	16	82	6	40-140	40
Dibenzo(a,h)anthracene	20	17	87	20	18	92	6	40-140	40
Indeno(1,2,3-cd)pyrene	20	19	94	20	20	100	6	40-140	40
Pyrene	20	16	82	20	17	86	5	40-140	40
2-Methylnaphthalene	20	15	77	20	17	83	8	40-140	40
Pentachlorophenol	20	6.1	31 Q	20	10	50	47 Q	40-140	40
Hexachlorobenzene	20	17	87	20	19	94	8	40-140	40
Hexachloroethane	20	12	61	20	13	65	6	40-140	40



Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab Sample ID	: WG2115184-1	Lab File ID	: 115184-1
Instrument ID	: SV120	Extraction Date	: 09/16/25
Matrix	: WATER	Analysis Date	: 09/23/25 19:37
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2115184-2LCS	WG2115184-2	09/20/25 16:13
WG2115184-3LCSD	WG2115184-3	09/20/25 16:30
FIELD BLANK	L2557076-02	09/22/25 16:56
5A	L2557076-03	09/22/25 17:13
5B	L2557076-04	09/22/25 17:30
6A	L2557076-05	09/22/25 17:46
6B	L2557076-06	09/22/25 18:03
7A	L2557076-07	09/22/25 18:20
7B	L2557076-08	09/22/25 18:36
10A	L2557076-09	09/24/25 12:25
10B	L2557076-10	09/24/25 12:41

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV125	Analysis Date : 09/08/25 18:17
Tune Standard : R2008306-12	Tune File ID : Tune_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	59.2
68	Less than 2.0% of mass 69	0.4 (.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	59.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	24.1
365	Greater than 1.0% of mass 198	2.7
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	79.8
443	15.0 - 24.0% of mass 442	15.2 (19.1)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
IL10	R2008306-2	IL10	09/08/25 19:01
IL9	R2008306-9	IL9	09/08/25 19:17
IL8	R2008306-10	IL8	09/08/25 19:34
IL7	R2008306-8	IL7	09/08/25 19:51
IL6	R2008306-7	IL6	09/08/25 20:07
IL5	R2008306-5	IL5	09/08/25 20:24
IL4	R2008306-6	IL4	09/08/25 20:41
IL3	R2008306-4	IL3	09/08/25 20:58
IL2	R2008306-3	IL2	09/08/25 21:14
IL1	R2008306-1	IL1	09/08/25 21:31
ICV Quant Report	R2008306-11	ICV	09/08/25 21:48



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV125	Analysis Date : 09/20/25 13:26
Tune Standard : WG2117439-1	Tune File ID : deg0920_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	61.6
68	Less than 2.0% of mass 69	0.6 (1.2)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	60.6
197	Less than 2.0% of mass 198	0.3
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.1
275	10.0 - 60.0% of Base Peak	25.1
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	18.2
442	Base Peak, or >50% of mass 198	82.8
443	15.0 - 24.0% of mass 442	16.9 (20.4)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2117439-4TFACTOR-B	WG2117439-4	DEG0920	09/20/25 13:26
WG2117439-5TFACTOR-P	WG2117439-5	DEG0920	09/20/25 13:26
WG2117439-3CCAL	WG2117439-3	CCV0920	09/20/25 13:46
WG2115184-2LCS	WG2115184-2	115184-2	09/20/25 16:13
WG2115184-3LCSD	WG2115184-3	115184-3	09/20/25 16:30



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV125	Analysis Date : 09/22/25 06:49
Tune Standard : WG2117833-1	Tune File ID : deg0922_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	65.5
68	Less than 2.0% of mass 69	0.4 (.7)1
69		100
70	Less than 2.0% of mass 69	0.4 (.7)1
127	10.0 - 80.0% of Base Peak	64.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	24.8
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	18.2
442	Base Peak, or >50% of mass 198	79.4
443	15.0 - 24.0% of mass 442	14.6 (18.4)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2117833-4TFACTOR-B	WG2117833-4	DEG0922	09/22/25 06:49
WG2117833-5TFACTOR-P	WG2117833-5	DEG0922	09/22/25 06:49
WG2117833-3CCAL	WG2117833-3	CCV0922	09/22/25 07:08
FIELD BLANK	L2557076-02	57076-02	09/22/25 16:56
5A	L2557076-03	57076-03	09/22/25 17:13
5B	L2557076-04	57076-04	09/22/25 17:30
6A	L2557076-05	57076-05	09/22/25 17:46
6B	L2557076-06	57076-06	09/22/25 18:03
7A	L2557076-07	57076-07	09/22/25 18:20
7B	L2557076-08	57076-08	09/22/25 18:36



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV120	Analysis Date : 09/17/25 09:22
Tune Standard : R2013853-12	Tune File ID : TUNE2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	53.9
68	Less than 2.0% of mass 69	0.9 (2)1
69		100
70	Less than 2.0% of mass 69	0.3 (.7)1
127	10.0 - 80.0% of Base Peak	58.7
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	24.6
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than 24% of mass 442	18.4
442	Base Peak, or >50% of mass 198	66.4
443	15.0 - 24.0% of mass 442	13.6 (20.5)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
IL10	R2013853-1	IL10	09/17/25 09:39
IL9	R2013853-9	IL9	09/17/25 09:56
IL8	R2013853-10	IL8	09/17/25 10:13
IL7	R2013853-8	IL7	09/17/25 10:29
IL6	R2013853-6	IL6	09/17/25 10:46
IL5	R2013853-7	IL5	09/17/25 11:03
IL4	R2013853-5	IL4	09/17/25 11:20
IL3	R2013853-4	IL3	09/17/25 11:37
IL2	R2013853-3	IL2	09/17/25 11:53
IL1	R2013853-2	IL1	09/17/25 12:10
ICV Quant Report	R2013853-11	ICV	09/17/25 12:27



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV120	Analysis Date : 09/23/25 14:06
Tune Standard : WG2118575-1	Tune File ID : deg0923_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	53.1
68	Less than 2.0% of mass 69	0.9 (2)1
69		100
70	Less than 2.0% of mass 69	0.3 (.7)1
127	10.0 - 80.0% of Base Peak	55.1
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.6
275	10.0 - 60.0% of Base Peak	25.7
365	Greater than 1.0% of mass 198	3.5
441	Present, but less than 24% of mass 442	18.1
442	Base Peak, or >50% of mass 198	75.7
443	15.0 - 24.0% of mass 442	15.3 (20.3)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2118575-4TFACTOR-B	WG2118575-4	DEG0923	09/23/25 14:06
WG2118575-5TFACTOR-P	WG2118575-5	DEG0923	09/23/25 14:06
WG2118575-3CCAL	WG2118575-3	CCV0923	09/23/25 14:26
WG2115184-1BLANK	WG2115184-1	115184-1	09/23/25 19:37



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : P. W. Grosser	Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL	Project Number : BSD1504
Instrument ID : SV120	Analysis Date : 09/24/25 09:17
Tune Standard : WG2119028-1	Tune File ID : deg0924a_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	49.2
68	Less than 2.0% of mass 69	0.8 (1.9)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	53.8
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 60.0% of Base Peak	26.6
365	Greater than 1.0% of mass 198	3.6
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	82.3
443	15.0 - 24.0% of mass 442	15.8 (19.2)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2119028-4TFACTOR-B	WG2119028-4	DEG0924A	09/24/25 09:17
WG2119028-5TFACTOR-P	WG2119028-5	DEG0924A	09/24/25 09:17
WG2119028-3CCAL	WG2119028-3	CCV0924AA	09/24/25 10:01
10A	L2557076-09	57076-09	09/24/25 12:25
10B	L2557076-10	57076-10	09/24/25 12:41



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV125
 Sample No : WG2117439-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/20/25 13:46:00
 Lab File ID : CCV0920

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2117439-3	224518	2.31	902324	2.97	528079	3.95
Upper Limit	449036	2.81	1804648	3.47	1056158	4.45
Lower Limit	112259	1.81	451162	2.47	264040	3.45
Sample ID						
WG2115184-2 LCS	297411	2.31	1249334	2.97	738202	3.95
WG2115184-3 LCSD	299270	2.31	1251769	2.97	731486	3.95

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV125
 Sample No : WG2117439-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/20/25 13:46:00
 Lab File ID : CCV0920

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2117439-3	1167456	4.79	1056075	6.34	1005911	7.44
Upper Limit	2334912	5.29	2112150	6.84	2011822	7.94
Lower Limit	583728	4.29	528038	5.84	502956	6.94
Sample ID						
WG2115184-2 LCS	1543388	4.78	1184131	6.32	1075017	7.42
WG2115184-3 LCSD	1506201	4.78	1156507	6.31	1037809	7.42

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV125
 Sample No : WG2117833-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/22/25 07:08:00
 Lab File ID : CCV0922

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2117833-3	239729	2.29	948926	2.95	516948	3.93
Upper Limit	479458	2.79	1897852	3.45	1033896	4.43
Lower Limit	119865	1.79	474463	2.45	258474	3.43
Sample ID						
FIELD BLANK	357530	2.29	1474438	2.96	839654	3.93
5A	365101	2.29	1493738	2.96	844774	3.93
5B	366419	2.30	1495989	2.95	855238	3.93
6A	300227	2.30	1193548	2.96	654926	3.92
6B	369305	2.30	1509693	2.95	854656	3.93
7A	291472	2.30	1162798	2.96	650853	3.93
7B	290036	2.30	1160830	2.96	647089	3.93

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV125
 Sample No : WG2117833-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/22/25 07:08:00
 Lab File ID : CCV0922

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2117833-3	1041268	4.76	929857	6.30	939921	7.38
Upper Limit	2082536	5.26	1859714	6.80	1879842	7.88
Lower Limit	520634	4.26	464929	5.80	469961	6.88
Sample ID						
FIELD BLANK	1737831	4.76	1433572	6.29	1216093	7.37
5A	1748348	4.76	1429357	6.29	1214558	7.37
5B	1778912	4.76	1449924	6.29	1221325	7.36
6A	1336391	4.76	1192158	6.29	1087427	7.36
6B	1758116	4.76	1402656	6.29	1180918	7.36
7A	1332728	4.76	1183317	6.29	1045782	7.36
7B	1325011	4.76	1161695	6.28	1030791	7.36

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV120
 Sample No : WG2118575-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/23/25 14:26:00
 Lab File ID : CCV0923

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2118575-3	269134	2.52	1059252	3.19	587328	4.18
Upper Limit	538268	3.02	2118504	3.69	1174656	4.68
Lower Limit	134567	2.02	529626	2.69	293664	3.68
Sample ID						
WG2115184-1 BLANK	222764	2.52	890456	3.19	518167	4.17

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV120
 Sample No : WG2118575-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/23/25 14:26:00
 Lab File ID : CCV0923

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2118575-3	1238610	5.02	1065937	6.63	1023284	7.89
Upper Limit	2477220	5.52	2131874	7.13	2046568	8.39
Lower Limit	619305	4.52	532969	6.13	511642	7.39
Sample ID						
WG2115184-1 BLANK	1047976	5.01	881655	6.61	821015	7.86

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV120
 Sample No : WG2119028-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/24/25 10:01:00
 Lab File ID : CCV0924AA

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2119028-3	199797	2.51	768525	3.19	430975	4.17
Upper Limit	399594	3.01	1537050	3.69	861950	4.67
Lower Limit	99899	2.01	384263	2.69	215488	3.67
Sample ID						
10A	206678	2.51	999354	3.18	566113	4.17
10B	200694	2.51	779774	3.18	452571	4.17

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV120
 Sample No : WG2119028-3

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Date : 09/24/25 10:01:00
 Lab File ID : CCV0924AA

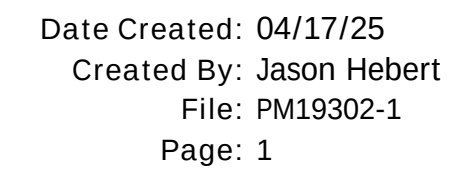
	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2119028-3	877651	5.02	811841	6.65	799271	7.90
Upper Limit	1755302	5.52	1623682	7.15	1598542	8.40
Lower Limit	438826	4.52	405921	6.15	399636	7.40
Sample ID						
10A	942481	5.01	1062531	6.60	956701	7.85
10B	952532	5.01	828193	6.60	756020	7.85

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

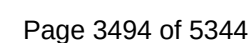
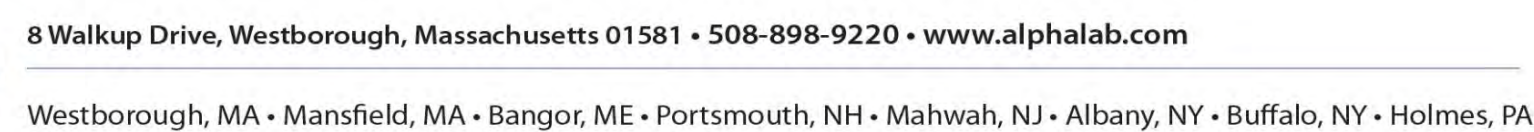
* Values outside of QC limits





Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 100ml unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



Semivolatile Sample Data

Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-02
Client ID : FIELD BLANK
Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND,
NY 11953

Sample Matrix : WATER
Analytical Method : 1,8270E-SIM
Lab File ID : 57076-02
Sample Amount : 100 ml
Extraction Method : EPA 3510C
Extract Volume : 1000 uL
GPC Cleanup : N

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 11:40
Date Received : 09/10/25
Date Analyzed : 09/22/25 16:56

Date Extracted : 09/16/25
Dilution Factor : 1
Analyst : DV
Instrument ID : SV125
GC Column : RXI-5Silm
%Solids : N/A
Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2557076-02	Date Collected	: 09/10/25 11:40
Client ID	: FIELD BLANK	Date Received	: 09/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953	Date Analyzed	: 09/22/25 16:56
Sample Matrix	: WATER	Date Extracted	: 09/16/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 57076-02	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiLM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-03
Client ID	: 5A
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E-SIM
Lab File ID	: 57076-03
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 12:20
Date Received	: 09/10/25
Date Analyzed	: 09/22/25 17:13
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: DV
Instrument ID	: SV125
GC Column	: RXI-5SilM
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2557076-03	Date Collected	: 09/10/25 12:20
Client ID	: 5A	Date Received	: 09/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953	Date Analyzed	: 09/22/25 17:13
Sample Matrix	: WATER	Date Extracted	: 09/16/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 57076-03	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiLM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-04
Client ID	: 5B
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E-SIM
Lab File ID	: 57076-04
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 12:20
Date Received	: 09/10/25
Date Analyzed	: 09/22/25 17:30
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: DV
Instrument ID	: SV125
GC Column	: RXI-5SilM
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U



Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2557076-04	Date Collected	: 09/10/25 12:20
Client ID	: 5B	Date Received	: 09/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953	Date Analyzed	: 09/22/25 17:30
Sample Matrix	: WATER	Date Extracted	: 09/16/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 57076-04	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-05
Client ID	: 6A
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E-SIM
Lab File ID	: 57076-05
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 08:00
Date Received	: 09/10/25
Date Analyzed	: 09/22/25 17:46
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: DV
Instrument ID	: SV125
GC Column	: RXI-5SiLM
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2557076-05	Date Collected	: 09/10/25 08:00
Client ID	: 6A	Date Received	: 09/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953	Date Analyzed	: 09/22/25 17:46
Sample Matrix	: WATER	Date Extracted	: 09/16/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 57076-05	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiLM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-06
Client ID	: 6B
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E-SIM
Lab File ID	: 57076-06
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 08:25
Date Received : 09/10/25
Date Analyzed : 09/22/25 18:03

Date Extracted : 09/16/25
Dilution Factor : 1
Analyst : DV
Instrument ID : SV125
GC Column : RXI-5SiilM
%Solids : N/A
Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2557076-06	Date Collected	: 09/10/25 08:25
Client ID	: 6B	Date Received	: 09/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953	Date Analyzed	: 09/22/25 18:03
Sample Matrix	: WATER	Date Extracted	: 09/16/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 57076-06	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiLM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-07
Client ID	: 7A
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E-SIM
Lab File ID	: 57076-07
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 09:40
Date Received	: 09/10/25
Date Analyzed	: 09/22/25 18:20
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: DV
Instrument ID	: SV125
GC Column	: RXI-5SiilM
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U



Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2557076-07	Date Collected	: 09/10/25 09:40
Client ID	: 7A	Date Received	: 09/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953	Date Analyzed	: 09/22/25 18:20
Sample Matrix	: WATER	Date Extracted	: 09/16/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 57076-07	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-08
Client ID	: 7B
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E-SIM
Lab File ID	: 57076-08
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 09:35
Date Received	: 09/10/25
Date Analyzed	: 09/22/25 18:36
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: DV
Instrument ID	: SV125
GC Column	: RXI-5SiLM
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2557076-08	Date Collected	: 09/10/25 09:35
Client ID	: 7B	Date Received	: 09/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953	Date Analyzed	: 09/22/25 18:36
Sample Matrix	: WATER	Date Extracted	: 09/16/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 57076-08	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiLM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-09
Client ID	: 10A
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E-SIM
Lab File ID	: 57076-09
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 11:05
Date Received	: 09/10/25
Date Analyzed	: 09/24/25 12:25
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: SLR
Instrument ID	: SV120
GC Column	: RXI-5SiLM
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2557076-09	Date Collected	: 09/10/25 11:05
Client ID	: 10A	Date Received	: 09/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953	Date Analyzed	: 09/24/25 12:25
Sample Matrix	: WATER	Date Extracted	: 09/16/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 57076-09	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiLM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser
Project Name	: ROANOKE SAND AND GRAVEL
Lab ID	: L2557076-10
Client ID	: 10B
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
Sample Matrix	: WATER
Analytical Method	: 1,8270E-SIM
Lab File ID	: 57076-10
Sample Amount	: 100 ml
Extraction Method	: EPA 3510C
Extract Volume	: 1000 uL
GPC Cleanup	: N

Lab Number	: L2557076
Project Number	: BSD1504
Date Collected	: 09/10/25 10:55
Date Received	: 09/10/25
Date Analyzed	: 09/24/25 12:41
Date Extracted	: 09/16/25
Dilution Factor	: 1
Analyst	: SLR
Instrument ID	: SV120
GC Column	: RXI-5SiLM
%Solids	: N/A
Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2557076-10	Date Collected	: 09/10/25 10:55
Client ID	: 10B	Date Received	: 09/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953	Date Analyzed	: 09/24/25 12:41
Sample Matrix	: WATER	Date Extracted	: 09/16/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 57076-10	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiLM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115184-1
 Client ID : WG2115184-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E-SIM
 Lab File ID : 115184-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/23/25 19:37
 Date Extracted : 09/16/25
 Dilution Factor : 1
 Analyst : SLR
 Instrument ID : SV120
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	0.13	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-02.D
 Acq On : 22 Sep 2025 04:56 pm
 Operator : SV125:dv
 Sample : L2557076-02,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 23 17:16:03 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250922RVT\ccv0922.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.294	152	357530	4000.000	ng/ml	0.00
Standard Area 1 = 239729			Recovery	= 149.14%		
9) Naphthalene-d8	2.955	136	1474438	4000.000	ng/ml	0.00
Standard Area 1 = 948926			Recovery	= 155.38%		
18) Acenaphthene-d10	3.928	164	839654	4000.000	ng/ml	0.00
Standard Area 1 = 516948			Recovery	= 162.43%		
23) Phenanthrene-d10	4.759	188	1737831	4000.000	ng/ml	0.00
Standard Area 1 = 1041268			Recovery	= 166.90%		
33) Chrysene-d12	6.294	240	1433572	4000.000	ng/ml	0.00
Standard Area 1 = 929857			Recovery	= 154.17%		
38) Perylene-d12	7.369	264	1216093	4000.000	ng/ml	-0.01
Standard Area 1 = 939921			Recovery	= 129.38%		
System Monitoring Compounds						
3) 2-Fluorophenol	1.707	112	122548	1388.055	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 69.40%		
4) Phenol-d6	2.115	99	112703	1033.284	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 51.66%		
8) Nitrobenzene-d5	2.573	82	104792	1203.131	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 120.31%		
14) 2-Fluorobiphenyl	3.555	172	270056	897.490	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 89.75%		
22) 2,4,6-Tribromophenol	4.370	330	85332	2733.513	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 136.68%#		
32) 4-Terphenyl-d14	5.676	244	316873	909.847	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 90.98%		
Target Compounds						
						Qvalue
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.	d	
26) Pentachlorophenol	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-02.D
 Acq On : 22 Sep 2025 04:56 pm
 Operator : SV125:dv
 Sample : L2557076-02,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 23 17:16:03 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250922RVT\ccv0922.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

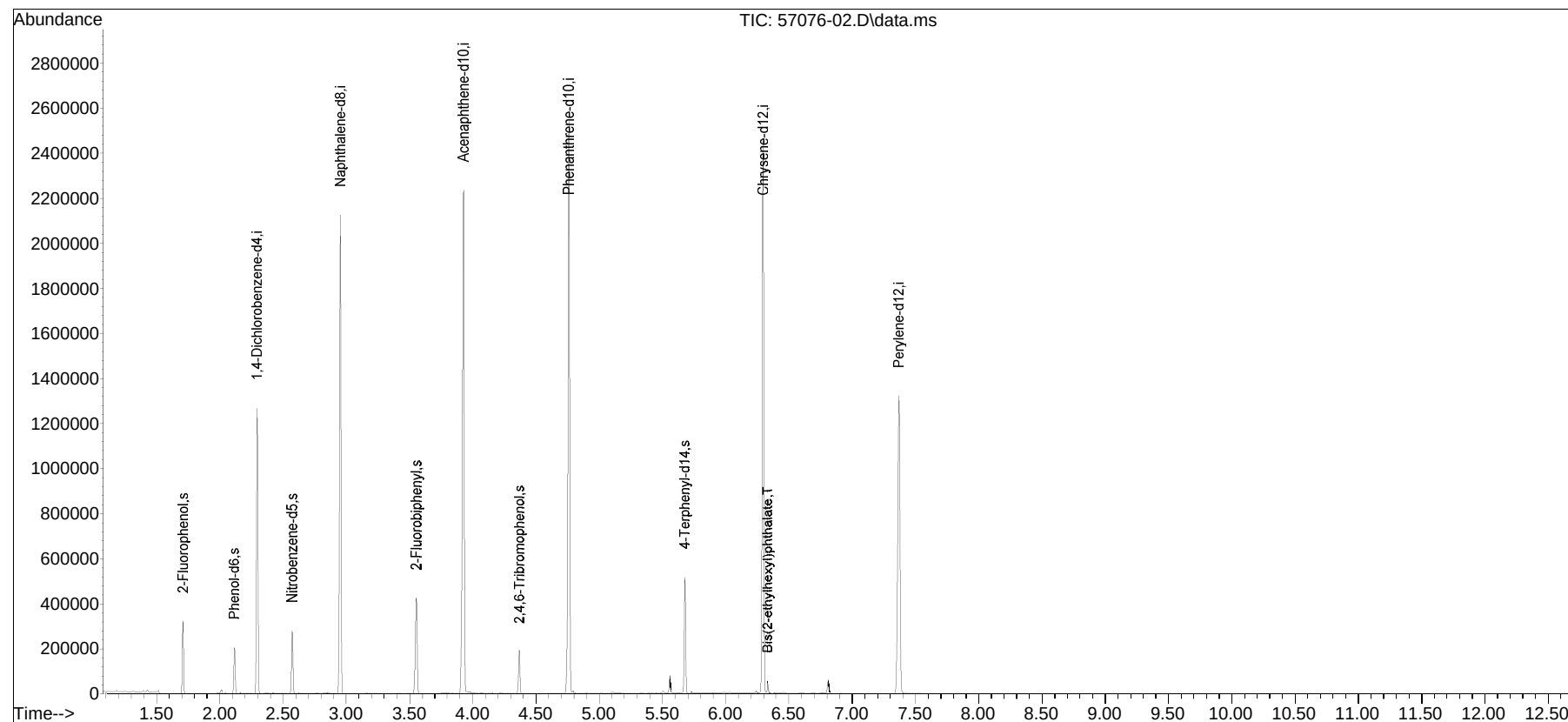
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-02.D
 Acq On : 22 Sep 2025 04:56 pm
 Operator : SV125:dv
 Sample : L2557076-02,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 23 17:16:03 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0922.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250922RVTQ	Method	: SIM-RVT_250908_sv125.M
Data File	: 57076-02.D	Operator	: SV125:dv
Date Inj'd	: 9/22/2025 4:56 pm	Instrument	: SV125
Sample	: L2557076-02,32,,csn	Quant Date	: 9/22/2025 5:13 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-03.D
 Acq On : 22 Sep 2025 05:13 pm
 Operator : SV125:dv
 Sample : L2557076-03,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 23 17:16:47 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250922RVT\ccv0922.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.294	152	365101	4000.000	ng/ml	0.00
Standard Area 1 = 239729			Recovery	= 152.30%		
9) Naphthalene-d8	2.956	136	1493738	4000.000	ng/ml	0.00
Standard Area 1 = 948926			Recovery	= 157.41%		
18) Acenaphthene-d10	3.928	164	844774	4000.000	ng/ml	0.00
Standard Area 1 = 516948			Recovery	= 163.42%		
23) Phenanthrene-d10	4.762	188	1748348	4000.000	ng/ml	0.00
Standard Area 1 = 1041268			Recovery	= 167.91%		
33) Chrysene-d12	6.293	240	1429357	4000.000	ng/ml	0.00
Standard Area 1 = 929857			Recovery	= 153.72%		
38) Perylene-d12	7.369	264	1214558	4000.000	ng/ml	-0.01
Standard Area 1 = 939921			Recovery	= 129.22%		
System Monitoring Compounds						
3) 2-Fluorophenol	1.708	112	118227	1311.343	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 65.57%		
4) Phenol-d6	2.118	99	107976	969.417	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 48.47%		
8) Nitrobenzene-d5	2.573	82	100117	1125.621	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 112.56%		
14) 2-Fluorobiphenyl	3.552	172	257184	843.668	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 84.37%		
22) 2,4,6-Tribromophenol	4.370	330	82216	2617.733	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 130.89%#		
32) 4-Terphenyl-d14	5.679	244	304737	869.737	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 86.97%		
Target Compounds						
						Qvalue
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.		
26) Pentachlorophenol	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-03.D
 Acq On : 22 Sep 2025 05:13 pm
 Operator : SV125:dv
 Sample : L2557076-03,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 23 17:16:47 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250922RVT\ccv0922.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

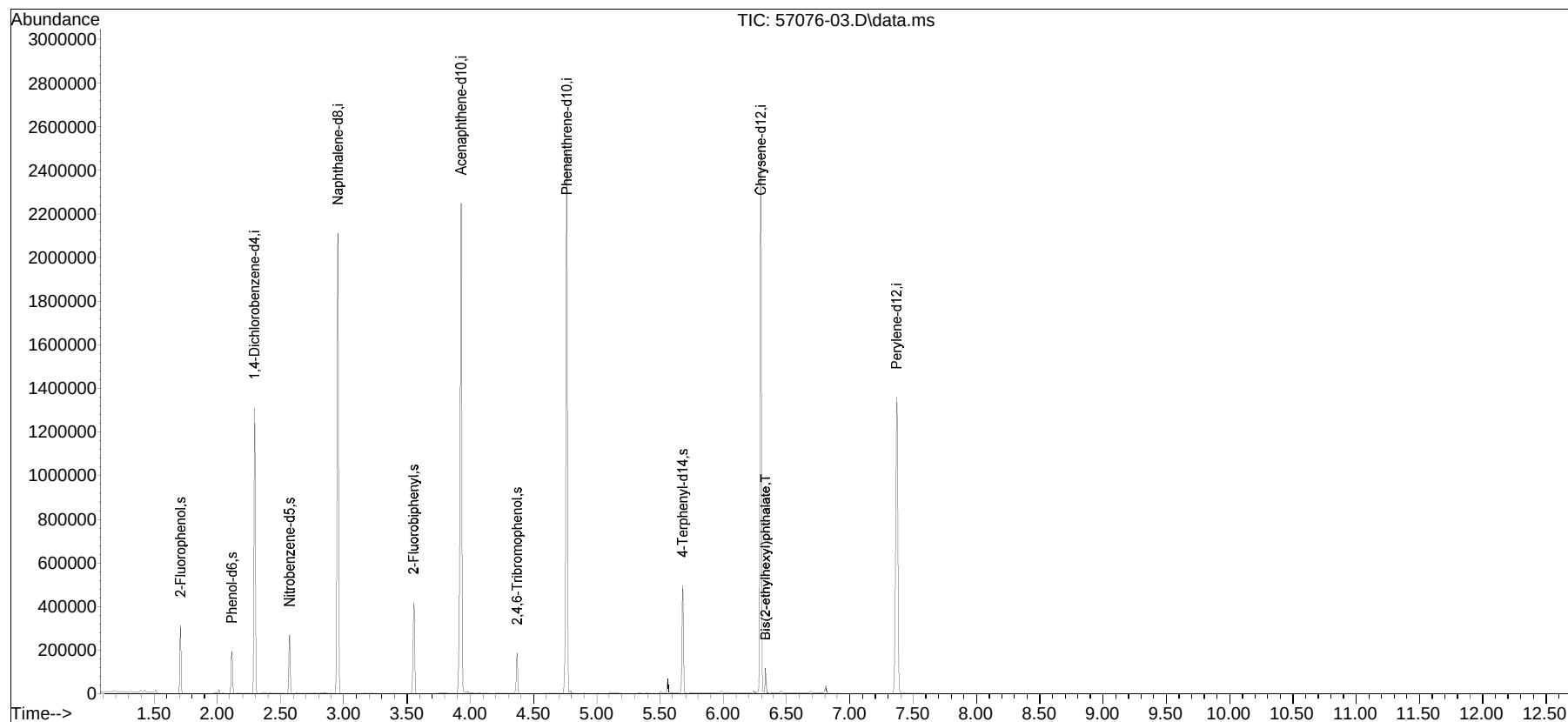
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-03.D
 Acq On : 22 Sep 2025 05:13 pm
 Operator : SV125:dv
 Sample : L2557076-03,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 23 17:16:47 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0922.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250922RVTQ	Method	: SIM-RVT_250908_sv125.M
Data File	: 57076-03.D	Operator	: SV125:dv
Date Inj'd	: 9/22/2025 5:13 pm	Instrument	: SV125
Sample	: L2557076-03,32,,csn	Quant Date	: 9/22/2025 5:29 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-04.D
 Acq On : 22 Sep 2025 05:30 pm
 Operator : SV125:dv
 Sample : L2557076-04,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 23 17:17:35 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250922RVT\ccv0922.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.297	152	366419	4000.000	ng/ml	0.00
Standard Area 1 = 239729			Recovery	=	152.85%	
9) Naphthalene-d8	2.954	136	1495989	4000.000	ng/ml	0.00
Standard Area 1 = 948926			Recovery	=	157.65%	
18) Acenaphthene-d10	3.927	164	855238	4000.000	ng/ml	0.00
Standard Area 1 = 516948			Recovery	=	165.44%	
23) Phenanthrene-d10	4.758	188	1778912	4000.000	ng/ml	0.00
Standard Area 1 = 1041268			Recovery	=	170.84%	
33) Chrysene-d12	6.290	240	1449924	4000.000	ng/ml	-0.01
Standard Area 1 = 929857			Recovery	=	155.93%	
38) Perylene-d12	7.363	264	1221325	4000.000	ng/ml	-0.02
Standard Area 1 = 939921			Recovery	=	129.94%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.710	112	119770	1323.680	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	66.18%	
4) Phenol-d6	2.117	99	107487	961.556	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	48.08%	
8) Nitrobenzene-d5	2.575	82	104560	1171.346	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	117.13%	
14) 2-Fluorobiphenyl	3.554	172	271371	888.868	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	88.89%	
22) 2,4,6-Tribromophenol	4.369	330	84883	2669.582	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	133.48%#	
32) 4-Terphenyl-d14	5.675	244	314993	883.562	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	88.36%	
Target Compounds						
						Qvalue
7) Hexachloroethane	0.000		0		N.D.	
10) Naphthalene	0.000		0		N.D.	d
11) Hexachlorobutadiene	0.000		0		N.D.	
12) 2-Methylnaphthalene	0.000		0		N.D.	d
15) 2-Chloronaphthalene	0.000		0		N.D.	d
17) Acenaphthylene	0.000		0		N.D.	d
19) Acenaphthene	0.000		0		N.D.	d
21) Fluorene	0.000		0		N.D.	d
25) Hexachlorobenzene	0.000		0		N.D.	d
26) Pentachlorophenol	0.000		0		N.D.	d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-04.D
 Acq On : 22 Sep 2025 05:30 pm
 Operator : SV125:dv
 Sample : L2557076-04,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 23 17:17:35 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250922RVT\ccv0922.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

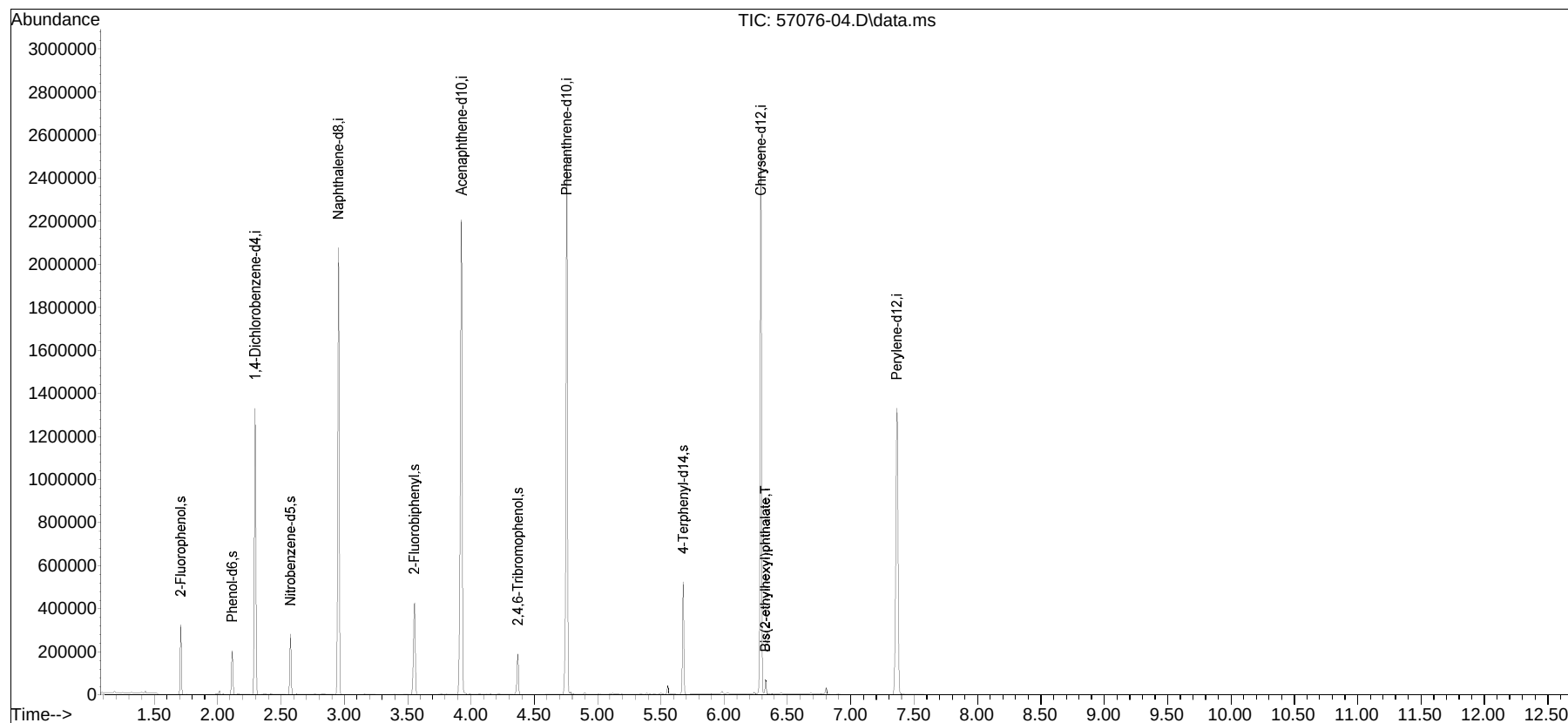
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-04.D
 Acq On : 22 Sep 2025 05:30 pm
 Operator : SV125:dv
 Sample : L2557076-04,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 23 17:17:35 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0922.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250922RVTQ	Method	: SIM-RVT_250908_sv125.M
Data File	: 57076-04.D	Operator	: SV125:dv
Date Inj'd	: 9/22/2025 5:30 pm	Instrument	: SV125
Sample	: L2557076-04,32,,csn	Quant Date	: 9/22/2025 5:46 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-05.D
 Acq On : 22 Sep 2025 05:46 pm
 Operator : SV125:dv
 Sample : L2557076-05,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 23 17:18:19 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250922RVT\ccv0922.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.297	152	300227	4000.000	ng/ml	0.00
Standard Area 1 = 239729			Recovery	=	125.24%	
9) Naphthalene-d8	2.955	136	1193548	4000.000	ng/ml	0.00
Standard Area 1 = 948926			Recovery	=	125.78%	
18) Acenaphthene-d10	3.924	164	654926	4000.000	ng/ml	0.00
Standard Area 1 = 516948			Recovery	=	126.69%	
23) Phenanthrene-d10	4.758	188	1336391	4000.000	ng/ml	0.00
Standard Area 1 = 1041268			Recovery	=	128.34%	
33) Chrysene-d12	6.287	240	1192158	4000.000	ng/ml	-0.02
Standard Area 1 = 929857			Recovery	=	128.21%	
38) Perylene-d12	7.361	264	1087427	4000.000	ng/ml	-0.02
Standard Area 1 = 939921			Recovery	=	115.69%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.710	112	91993	1240.846	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	62.04%	
4) Phenol-d6	2.118	99	82290	898.450	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	44.92%	
8) Nitrobenzene-d5	2.575	82	76983	1052.550	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	105.25%	
14) 2-Fluorobiphenyl	3.555	172	193124	792.864	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	79.29%	
22) 2,4,6-Tribromophenol	4.366	330	58049	2384.032	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	119.20%#	
32) 4-Terphenyl-d14	5.675	244	227703	850.209	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	85.02%	
Target Compounds						Qvalue
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.		
26) Pentachlorophenol	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-05.D
 Acq On : 22 Sep 2025 05:46 pm
 Operator : SV125:dv
 Sample : L2557076-05,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 23 17:18:19 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250922RVT\ccv0922.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

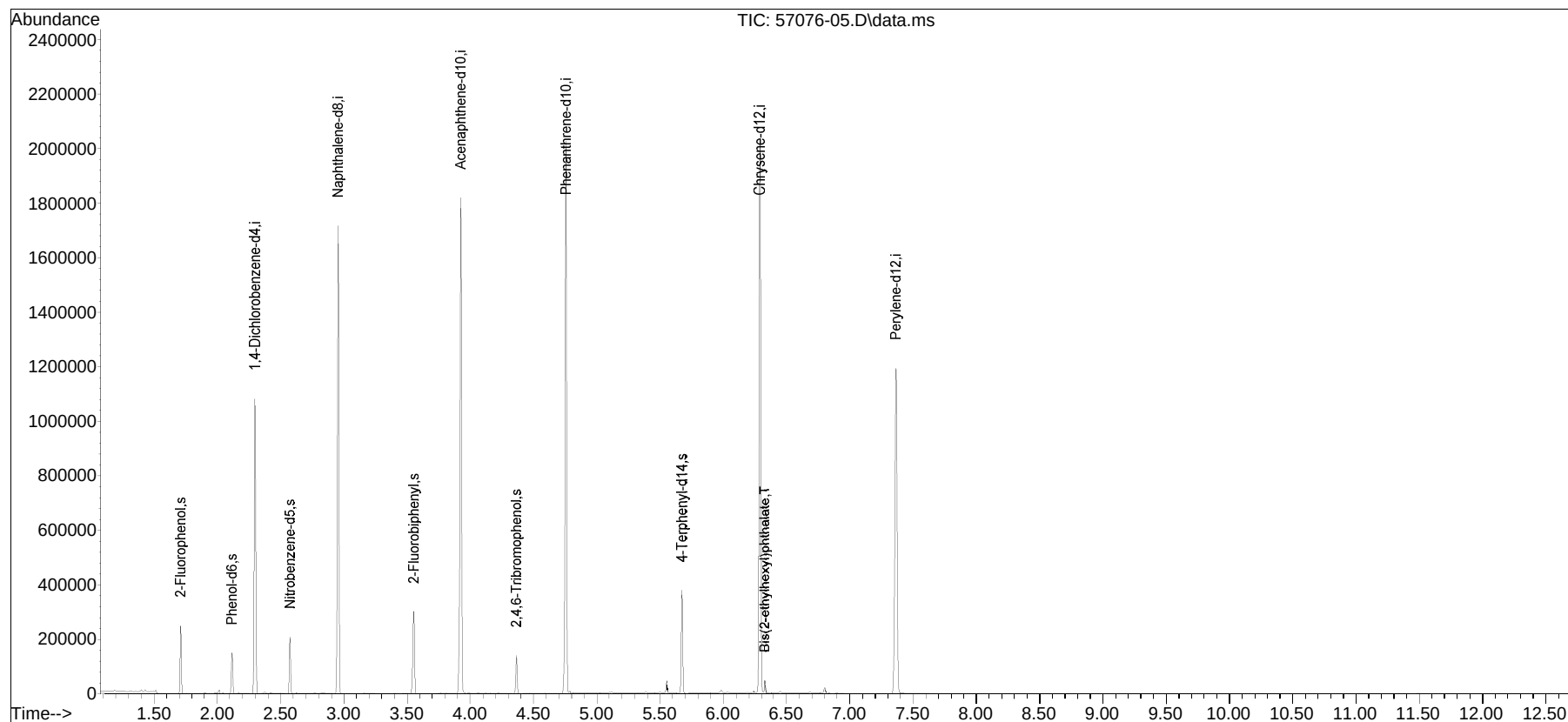
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-05.D
 Acq On : 22 Sep 2025 05:46 pm
 Operator : SV125:dv
 Sample : L2557076-05,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 23 17:18:19 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0922.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250922RVTQ	Method	: SIM-RVT_250908_sv125.M
Data File	: 57076-05.D	Operator	: SV125:dv
Date Inj'd	: 9/22/2025 5:46 pm	Instrument	: SV125
Sample	: L2557076-05,32,,csn	Quant Date	: 9/22/2025 6:02 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-06.D
 Acq On : 22 Sep 2025 06:03 pm
 Operator : SV125:dv
 Sample : L2557076-06,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 23 17:19:01 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250922RVT\ccv0922.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.297	152	369305	4000.000	ng/ml	0.00
Standard Area 1 = 239729			Recovery	=	154.05%	
9) Naphthalene-d8	2.954	136	1509693	4000.000	ng/ml	0.00
Standard Area 1 = 948926			Recovery	=	159.09%	
18) Acenaphthene-d10	3.927	164	854656	4000.000	ng/ml	0.00
Standard Area 1 = 516948			Recovery	=	165.33%	
23) Phenanthrene-d10	4.758	188	1758116	4000.000	ng/ml	0.00
Standard Area 1 = 1041268			Recovery	=	168.84%	
33) Chrysene-d12	6.287	240	1402656	4000.000	ng/ml	-0.02
Standard Area 1 = 929857			Recovery	=	150.85%	
38) Perylene-d12	7.361	264	1180918	4000.000	ng/ml	-0.02
Standard Area 1 = 939921			Recovery	=	125.64%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.710	112	102636	1125.453	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	56.27%	
4) Phenol-d6	2.117	99	97994	869.783	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	43.49%	
8) Nitrobenzene-d5	2.575	82	100783	1120.210	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	112.02%	
14) 2-Fluorobiphenyl	3.554	172	262613	852.373	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	85.24%	
22) 2,4,6-Tribromophenol	4.368	330	74821	2354.733	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	117.74%#	
32) 4-Terphenyl-d14	5.675	244	328114	931.253	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	93.13%	
Target Compounds						
						Qvalue
7) Hexachloroethane	0.000		0		N.D.	
10) Naphthalene	0.000		0		N.D.	d
11) Hexachlorobutadiene	0.000		0		N.D.	
12) 2-Methylnaphthalene	0.000		0		N.D.	d
15) 2-Chloronaphthalene	0.000		0		N.D.	d
17) Acenaphthylene	0.000		0		N.D.	d
19) Acenaphthene	0.000		0		N.D.	d
21) Fluorene	0.000		0		N.D.	d
25) Hexachlorobenzene	0.000		0		N.D.	
26) Pentachlorophenol	0.000		0		N.D.	d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-06.D
 Acq On : 22 Sep 2025 06:03 pm
 Operator : SV125:dv
 Sample : L2557076-06,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 23 17:19:01 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250922RVT\ccv0922.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

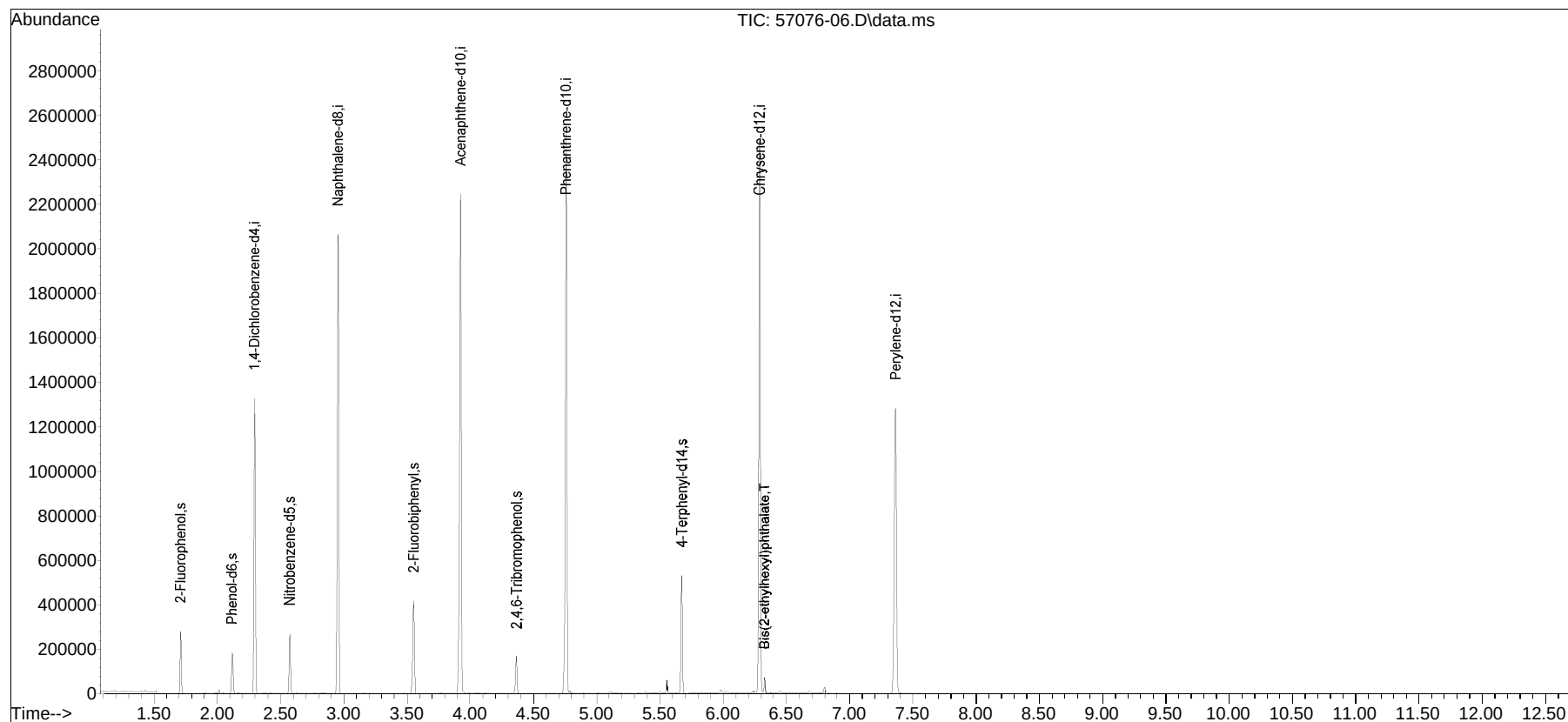
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-06.D
 Acq On : 22 Sep 2025 06:03 pm
 Operator : SV125:dv
 Sample : L2557076-06,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 23 17:19:01 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0922.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250922RVTQ	Method	: SIM-RVT_250908_sv125.M
Data File	: 57076-06.D	Operator	: SV125:dv
Date Inj'd	: 9/22/2025 6:03 pm	Instrument	: SV125
Sample	: L2557076-06,32,,csn	Quant Date	: 9/22/2025 6:19 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-07.D
 Acq On : 22 Sep 2025 06:20 pm
 Operator : SV125:dv
 Sample : L2557076-07,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 23 17:19:50 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250922RVT\ccv0922.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.297	152	291472	4000.000	ng/ml	0.00
Standard Area 1 = 239729			Recovery	=	121.58%	
9) Naphthalene-d8	2.957	136	1162798	4000.000	ng/ml	0.00
Standard Area 1 = 948926			Recovery	=	122.54%	
18) Acenaphthene-d10	3.926	164	650853	4000.000	ng/ml	0.00
Standard Area 1 = 516948			Recovery	=	125.90%	
23) Phenanthrene-d10	4.757	188	1332728	4000.000	ng/ml	0.00
Standard Area 1 = 1041268			Recovery	=	127.99%	
33) Chrysene-d12	6.286	240	1183317	4000.000	ng/ml	-0.02
Standard Area 1 = 929857			Recovery	=	127.26%	
38) Perylene-d12	7.357	264	1045782	4000.000	ng/ml	-0.02
Standard Area 1 = 939921			Recovery	=	111.26%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.713	112	99344	1380.250	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	69.01%	
4) Phenol-d6	2.122	99	87639	985.592	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	49.28%	
8) Nitrobenzene-d5	2.577	82	84514	1190.226	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	119.02%	
14) 2-Fluorobiphenyl	3.554	172	215391	907.665	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	90.77%	
22) 2,4,6-Tribromophenol	4.368	330	66857	2762.953	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	138.15%#	
32) 4-Terphenyl-d14	5.674	244	255778	957.662	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	95.77%	
Target Compounds						
						Qvalue
7) Hexachloroethane	0.000		0		N.D.	
10) Naphthalene	0.000		0		N.D.	d
11) Hexachlorobutadiene	0.000		0		N.D.	
12) 2-Methylnaphthalene	0.000		0		N.D.	d
15) 2-Chloronaphthalene	0.000		0		N.D.	d
17) Acenaphthylene	0.000		0		N.D.	d
19) Acenaphthene	0.000		0		N.D.	d
21) Fluorene	0.000		0		N.D.	d
25) Hexachlorobenzene	0.000		0		N.D.	d
26) Pentachlorophenol	0.000		0		N.D.	d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-07.D
 Acq On : 22 Sep 2025 06:20 pm
 Operator : SV125:dv
 Sample : L2557076-07,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 23 17:19:50 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250922RVT\ccv0922.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

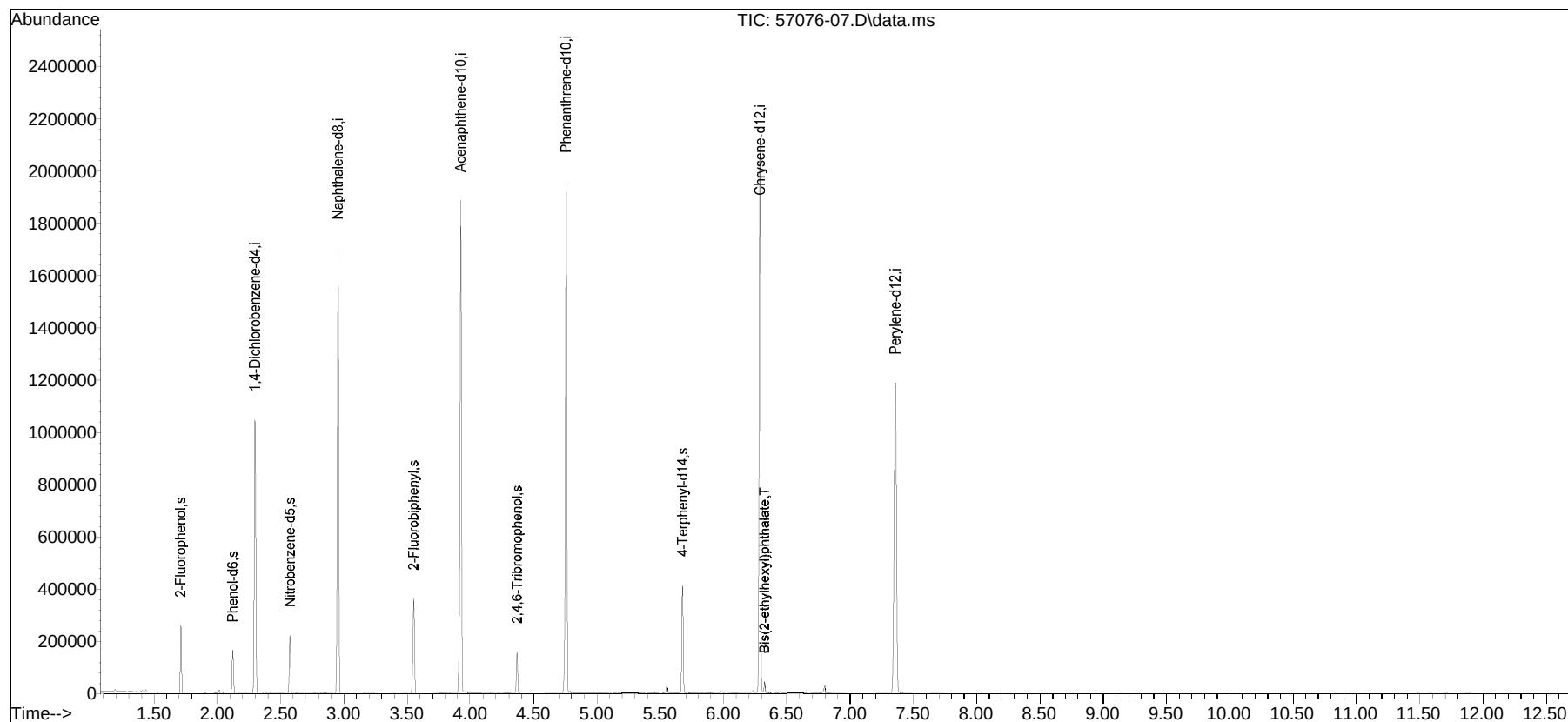
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-07.D
 Acq On : 22 Sep 2025 06:20 pm
 Operator : SV125:dv
 Sample : L2557076-07,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 23 17:19:50 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0922.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250922RVTQ	Method	: SIM-RVT_250908_sv125.M
Data File	: 57076-07.D	Operator	: SV125:dv
Date Inj'd	: 9/22/2025 6:20 pm	Instrument	: SV125
Sample	: L2557076-07,32,,csn	Quant Date	: 9/22/2025 6:36 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-08.D
 Acq On : 22 Sep 2025 06:36 pm
 Operator : SV125:dv
 Sample : L2557076-08,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 23 17:20:37 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250922RVT\ccv0922.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.298	152	290036	4000.000	ng/ml	0.00
Standard Area 1 = 239729			Recovery	=	120.98%	
9) Naphthalene-d8	2.957	136	1160830	4000.000	ng/ml	0.00
Standard Area 1 = 948926			Recovery	=	122.33%	
18) Acenaphthene-d10	3.926	164	647089	4000.000	ng/ml	0.00
Standard Area 1 = 516948			Recovery	=	125.17%	
23) Phenanthrene-d10	4.757	188	1325011	4000.000	ng/ml	0.00
Standard Area 1 = 1041268			Recovery	=	127.25%	
33) Chrysene-d12	6.284	240	1161695	4000.000	ng/ml	-0.02
Standard Area 1 = 929857			Recovery	=	124.93%	
38) Perylene-d12	7.355	264	1030791	4000.000	ng/ml	-0.02
Standard Area 1 = 939921			Recovery	=	109.67%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.713	112	102172	1426.569	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	71.33%	
4) Phenol-d6	2.122	99	90979	1028.219	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	51.41%	
8) Nitrobenzene-d5	2.575	82	84974	1202.629	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	120.26%	
14) 2-Fluorobiphenyl	3.554	172	214061	903.590	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	90.36%	
22) 2,4,6-Tribromophenol	4.368	330	66079	2746.686	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	137.33%#	
32) 4-Terphenyl-d14	5.674	244	258882	974.929	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	97.49%	
Target Compounds						
						Qvalue
7) Hexachloroethane	0.000		0		N.D.	
10) Naphthalene	0.000		0		N.D.	d
11) Hexachlorobutadiene	0.000		0		N.D.	
12) 2-Methylnaphthalene	0.000		0		N.D.	d
15) 2-Chloronaphthalene	0.000		0		N.D.	d
17) Acenaphthylene	0.000		0		N.D.	d
19) Acenaphthene	0.000		0		N.D.	d
21) Fluorene	0.000		0		N.D.	d
25) Hexachlorobenzene	0.000		0		N.D.	d
26) Pentachlorophenol	0.000		0		N.D.	d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-08.D
 Acq On : 22 Sep 2025 06:36 pm
 Operator : SV125:dv
 Sample : L2557076-08,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 23 17:20:37 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250922RVT\ccv0922.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

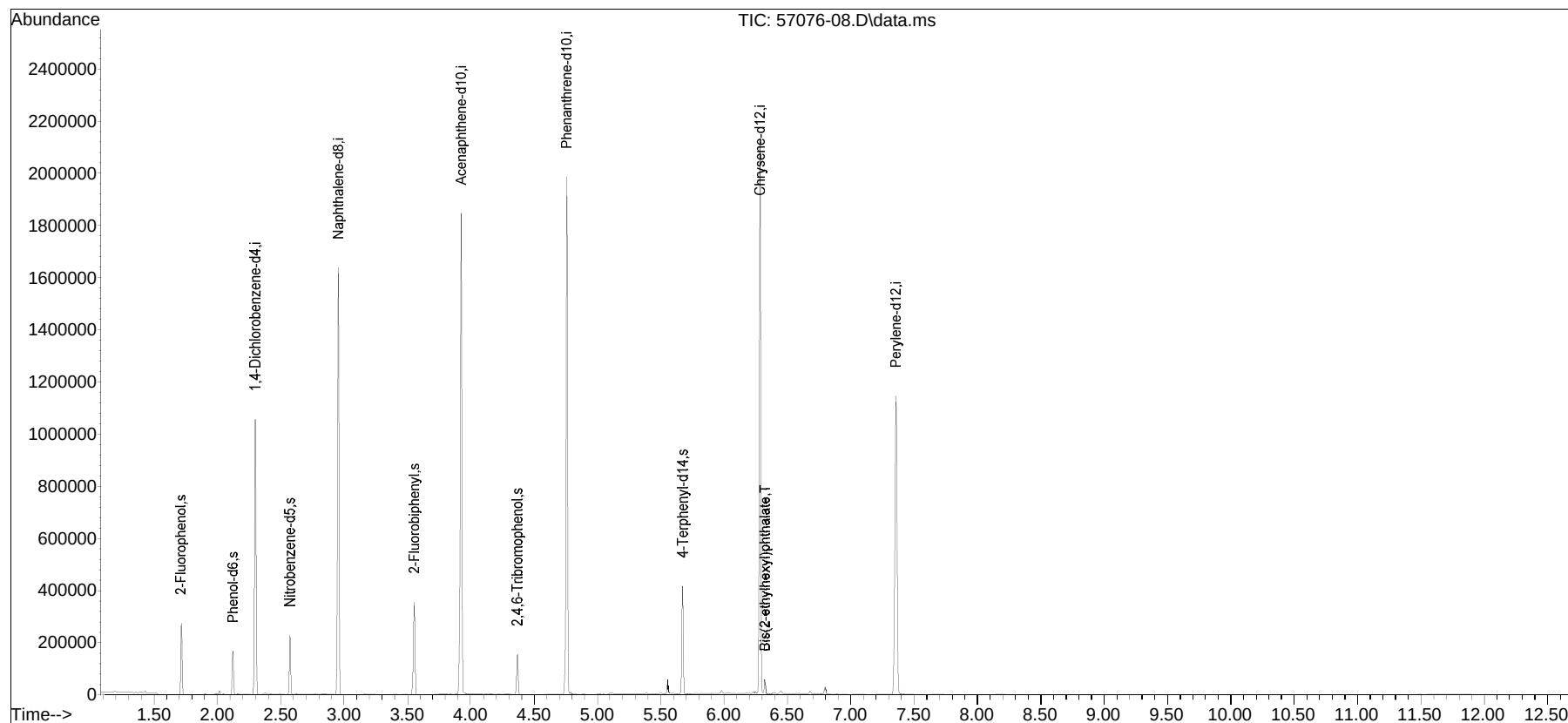
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : 57076-08.D
 Acq On : 22 Sep 2025 06:36 pm
 Operator : SV125:dv
 Sample : L2557076-08,32,,csn
 Misc : wg2117833,WG2115184,ical22616
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 23 17:20:37 2025
 Quant Method : I:\8270sim\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:51 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0922.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250922RVTQ	Method	: SIM-RVT_250908_sv125.M
Data File	: 57076-08.D	Operator	: SV125:dv
Date Inj'd	: 9/22/2025 6:36 pm	Instrument	: SV125
Sample	: L2557076-08,32,,csn	Quant Date	: 9/22/2025 6:53 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250924aRVT\
 Data File : 57076-09.D
 Acq On : 24 Sep 2025 12:25 pm
 Operator : SV120:SLR
 Sample : L2557076-09,32,,csn
 Misc : wg2119028,WG2115184,ical22659
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 08:13:03 2025
 Quant Method : I:\8270sim\sv120\250924aRVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 24 10:16:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250924aRVT\ccv0924aa.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.509	152	206678	4000.000	ng/ml	0.00
Standard Area 1 = 199797			Recovery	=	103.44%	
9) Naphthalene-d8	3.181	136	999354	4000.000	ng/ml	0.00
Standard Area 1 = 768525			Recovery	=	130.04%	
18) Acenaphthene-d10	4.168	164	566113	4000.000	ng/ml	0.00
Standard Area 1 = 430975			Recovery	=	131.36%	
23) Phenanthrene-d10	5.013	188	942481	4000.000	ng/ml	0.00
Standard Area 1 = 877651			Recovery	=	107.39%	
33) Chrysene-d12	6.599	240	1062531	4000.000	ng/ml	-0.05
Standard Area 1 = 811841			Recovery	=	130.88%	
38) Perylene-d12	7.849	264	956701	4000.000	ng/ml	-0.05
Standard Area 1 = 799271			Recovery	=	119.70%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.896	112	65205	1378.223	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	68.91%	
4) Phenol-d6	2.317	99	56488	925.905	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	46.30%	
8) Nitrobenzene-d5	2.794	82	47311	844.577	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	84.46%	
14) 2-Fluorobiphenyl	3.787	172	179483	935.309	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	93.53%	
22) 2,4,6-Tribromophenol	4.618	330	32146	1642.142	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	82.11%	
32) 4-Terphenyl-d14	5.944	244	243290	1305.001	ng/ml	-0.03
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	130.50%#	
Target Compounds						
						Qvalue
7) Hexachloroethane	0.000		0		N.D.	
10) Naphthalene	0.000		0		N.D.	d
11) Hexachlorobutadiene	0.000		0		N.D.	
12) 2-Methylnaphthalene	0.000		0		N.D.	d
15) 2-Chloronaphthalene	0.000		0		N.D.	d
17) Acenaphthylene	0.000		0		N.D.	
19) Acenaphthene	0.000		0		N.D.	d
21) Fluorene	0.000		0		N.D.	d
25) Hexachlorobenzene	0.000		0		N.D.	d
26) Pentachlorophenol	4.913	266	105M6	5.142	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250924aRVT\
 Data File : 57076-09.D
 Acq On : 24 Sep 2025 12:25 pm
 Operator : SV120:SLR
 Sample : L2557076-09,32,,csn
 Misc : wg2119028,WG2115184,ical22659
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 08:13:03 2025
 Quant Method : I:\8270sim\sv120\250924aRVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 24 10:16:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250924aRVT\ccv0924aa.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
43) Dibenzo[a,h]anthracene	0.000		0	N.D.		
44) Benzo[g,h,i]perylene	0.000		0	N.D.		

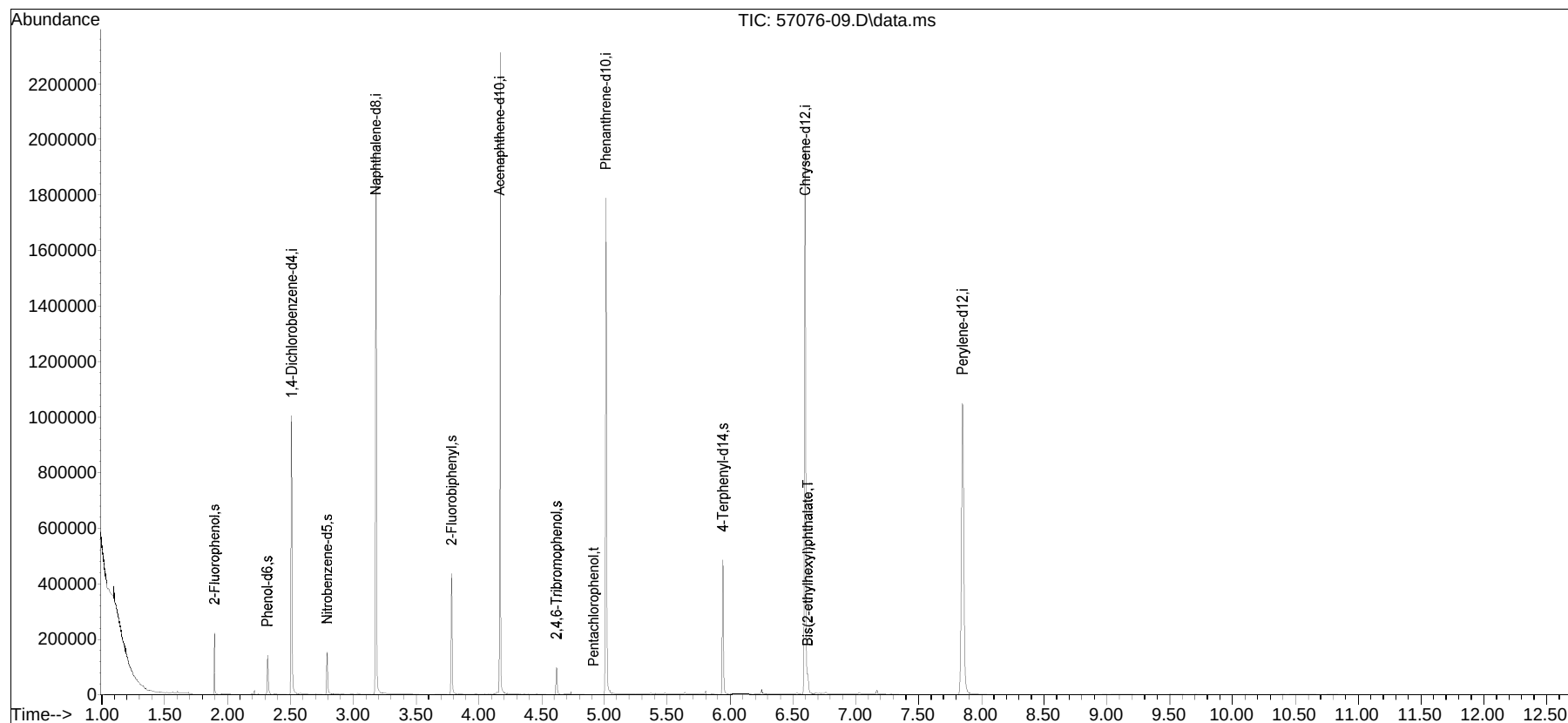
(#) = qualifier out of range (m) = manual integration (+) = signals summed

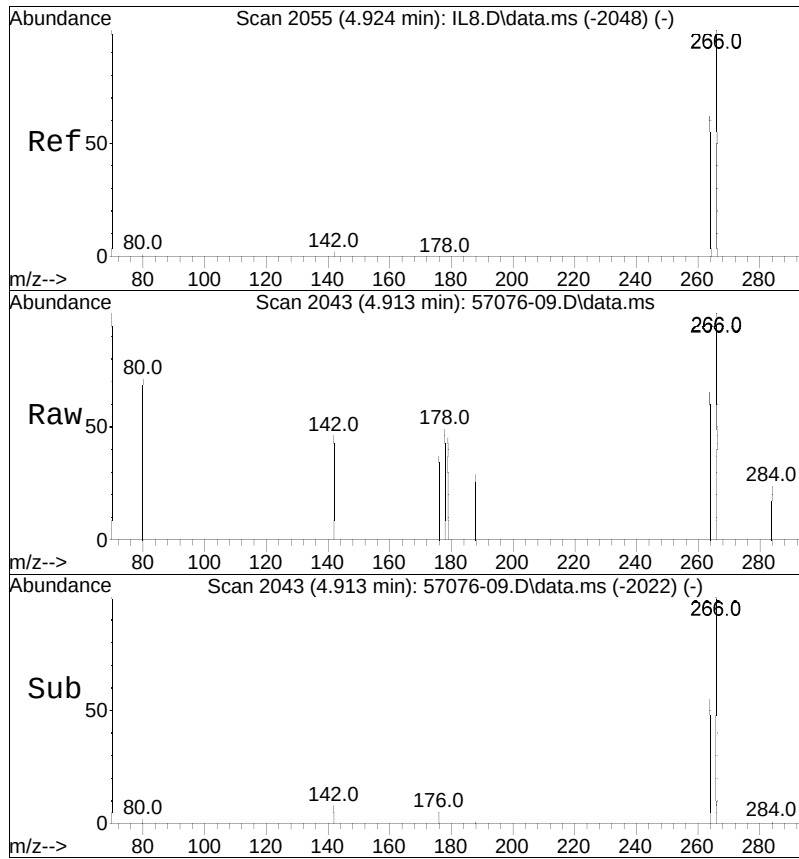
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250924aRVT\
 Data File : 57076-09.D
 Acq On : 24 Sep 2025 12:25 pm
 Operator : SV120:SLR
 Sample : L2557076-09,32,,csn
 Misc : wg2119028,WG2115184,ical22659
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 08:13:03 2025
 Quant Method : I:\8270sim\sv120\250924aRVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 24 10:16:00 2025
 Response via : Initial Calibration

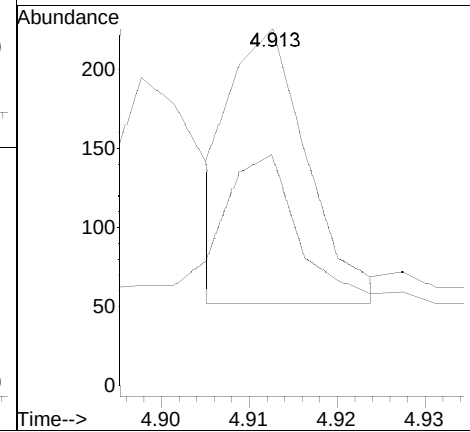
Sub List : DEFAULT - All compounds listedT\ccv0924aa.D•





#26
 Pentachlorophenol
 Concen: 5.14 ng/ml M6
 RT: 4.913 min Scan# 2043
 Delta R.T. -0.004 min
 Lab File: 57076-09.D
 Acq: 24 Sep 2025 12:25 pm

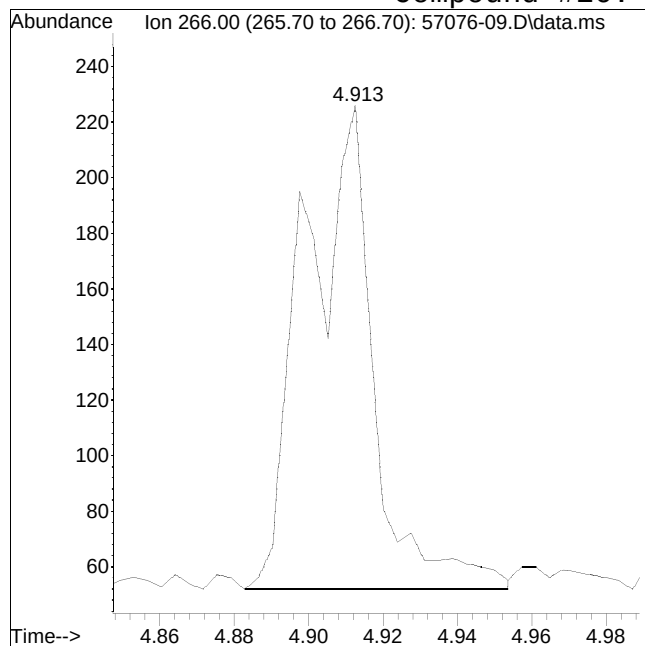
Tgt Ion:266 Resp: 105
 Ion Ratio Lower Upper
 266 100
 264 54.3 50.5 75.7



Manual Integration Report

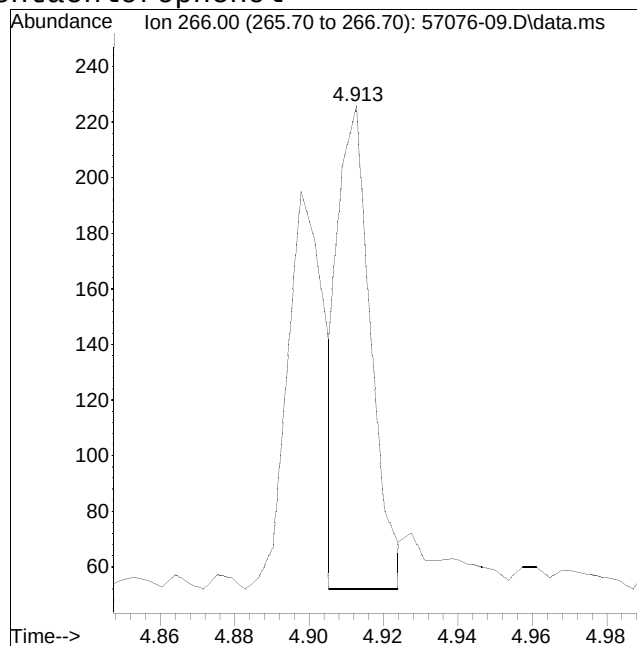
Data Path : I:\8270SIM\sv120\250924aRVQMethod : SIM-RVT_250917_sv120.M
Data File : 57076-09.D Operator : SV120:SLR
Date Inj'd : 9/24/2025 12:25 pm Instrument : SV120
Sample : L2557076-09,32,,csn Quant Date : 9/24/2025 12:38 pm

Compound #26: Pentachlorophenol



Original Peak Response = 224

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 105 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250924aRVT\
 Data File : 57076-10.D
 Acq On : 24 Sep 2025 12:41 pm
 Operator : SV120:SLR
 Sample : L2557076-10,32,,csn
 Misc : wg2119028,WG2115184,ical22659
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 08:14:30 2025
 Quant Method : I:\8270sim\sv120\250924aRVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 24 10:16:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250924aRVT\ccv0924aa.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.507	152	200694	4000.000	ng/ml	0.00
Standard Area 1 = 199797			Recovery	=	100.45%	
9) Naphthalene-d8	3.181	136	779774	4000.000	ng/ml	0.00
Standard Area 1 = 768525			Recovery	=	101.46%	
18) Acenaphthene-d10	4.168	164	452571	4000.000	ng/ml	0.00
Standard Area 1 = 430975			Recovery	=	105.01%	
23) Phenanthrene-d10	5.013	188	952532	4000.000	ng/ml	0.00
Standard Area 1 = 877651			Recovery	=	108.53%	
33) Chrysene-d12	6.596	240	828193	4000.000	ng/ml	-0.05
Standard Area 1 = 811841			Recovery	=	102.01%	
38) Perylene-d12	7.849	264	756020	4000.000	ng/ml	-0.05
Standard Area 1 = 799271			Recovery	=	94.59%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.896	112	61165	1331.378	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	66.57%	
4) Phenol-d6	2.317	99	52940	893.622	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	44.68%	
8) Nitrobenzene-d5	2.792	82	42923	789.356	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	78.94%	
14) 2-Fluorobiphenyl	3.787	172	138184	922.869	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	92.29%	
22) 2,4,6-Tribromophenol	4.618	330	34493	2204.100	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	110.21%#	
32) 4-Terphenyl-d14	5.941	244	201938	1071.760	ng/ml	-0.03
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	107.18%	
Target Compounds						
						Qvalue
7) Hexachloroethane	0.000		0		N.D.	
10) Naphthalene	0.000		0		N.D.	d
11) Hexachlorobutadiene	0.000		0		N.D.	
12) 2-Methylnaphthalene	0.000		0		N.D.	d
15) 2-Chloronaphthalene	0.000		0		N.D.	
17) Acenaphthylene	0.000		0		N.D.	
19) Acenaphthene	0.000		0		N.D.	d
21) Fluorene	0.000		0		N.D.	d
25) Hexachlorobenzene	0.000		0		N.D.	d
26) Pentachlorophenol	0.000		0		N.D.	d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250924aRVT\
 Data File : 57076-10.D
 Acq On : 24 Sep 2025 12:41 pm
 Operator : SV120:SLR
 Sample : L2557076-10,32,,csn
 Misc : wg2119028,WG2115184,ical22659
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 08:14:30 2025
 Quant Method : I:\8270sim\sv120\250924aRVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 24 10:16:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250924aRVT\ccv0924aa.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.		
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

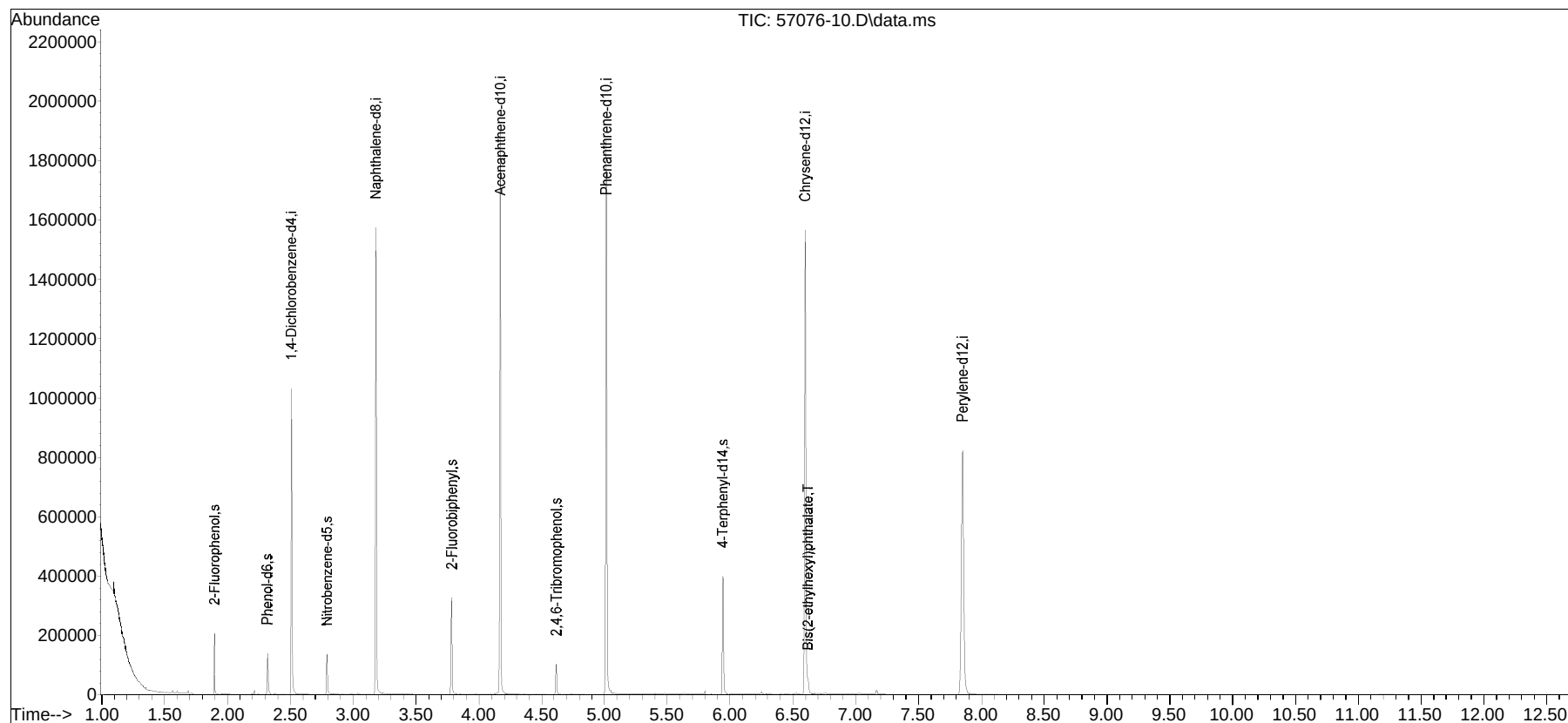
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250924aRVT\
 Data File : 57076-10.D
 Acq On : 24 Sep 2025 12:41 pm
 Operator : SV120:SLR
 Sample : L2557076-10,32,,csn
 Misc : wg2119028,WG2115184,ical22659
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 08:14:30 2025
 Quant Method : I:\8270sim\sv120\250924aRVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 24 10:16:00 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0924aa.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\250924aRVQ	Method	: SIM-RVT_250917_sv120.M
Data File	: 57076-10.D	Operator	: SV120:SLR
Date Inj'd	: 9/24/2025 12:41 pm	Instrument	: SV120
Sample	: L2557076-10,32,,csn	Quant Date	: 9/24/2025 12:55 pm

There are no manual integrations or false positives in this file.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV125
 Calibration dates : 09/08/25 19:01 09/08/25 21:31

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22616

Calibration Files

L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
 L9 =IL9.D L10 =IL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1) i 1,4-Dichlorobenzene-d4	-----ISTD-----											
2) T N-Nitrosodimethylamine				0.620	0.638	0.645	0.678	0.664	0.665	0.626	0.648	3.34
3) s 2-Fluorophenol	0.942	0.947	0.946	0.957	0.960	0.994	1.053	1.058	1.048	0.971	0.988	4.81
4) s Phenol-d6	1.131	1.054	1.172	1.141	1.217	1.220	1.321	1.309	1.335	1.303	1.220	7.85
5) T bis(2-Chloroethyl)ether			1.100	1.042	1.099	1.071	1.158	1.137	1.122	1.074	1.100	3.46
6) T n-Nitrosodi-n-propylamine			0.719	0.713	0.701	0.694	0.752	0.746	0.768	0.757	0.731	3.80
7) t Hexachloroethane		0.543	0.519	0.504	0.497	0.490	0.506	0.497	0.493	0.469	0.502	4.07
8) s Nitrobenzene-d5	0.810	0.952	0.919	0.908	0.961	0.972	1.059	1.057	1.072	1.035	0.974	8.52
9) i Naphthalene-d8	-----ISTD-----											
10) t Naphthalene		1.240	1.126	1.090	1.045	1.031	1.034	1.008	1.000	0.947	1.058	8.09
11) t Hexachlorobutadiene		0.174	0.183	0.179	0.177	0.177	0.178	0.174	0.172	0.165	0.175	2.82
12) t 2-Methylnaphthalene		0.643	0.618	0.615	0.609	0.606	0.628	0.621	0.620	0.596	0.617	2.19
13) t 1-Methylnaphthalene		0.671	0.685	0.682	0.677	0.670	0.672	0.652	0.645	0.617	0.663	3.29
14) s 2-Fluorobiphenyl	0.813	0.830	0.860	0.863	0.840	0.830	0.831	0.796	0.774	0.726	0.816	5.09
15) t 2-Chloronaphthalene		0.697	0.695	0.698	0.700	0.694	0.702	0.688	0.694	0.667	0.693	1.49
16) t 2,6-Dinitrotoluene					0.103	0.108	0.133	0.135	0.150	0.139	0.128	14.36
17) t Acenaphthylene		1.050	1.060	1.065	1.076	1.078	1.167	1.141	1.146	1.074	1.095	3.97
18) i Acenaphthene-d10	-----ISTD-----											
19) t Acenaphthene		1.283	1.233	1.360	1.304	1.291	1.310	1.264	1.266	1.198	1.279	3.65
20) t 2,4-Dinitrotoluene					0.218	0.233	0.312	0.324	0.354	0.342	*L	0.9990
21) t Fluorene		1.475	1.423	1.424	1.416	1.425	1.502	1.442	1.443	1.338	1.432	3.15
22) s 2,4,6-Tribromophenol			0.111	0.111	0.132	0.145	0.174	0.170	0.177	0.170	0.149	18.69
23) i Phenanthrene-d10	-----ISTD-----											
24) T 4,6-Dinitro-o-cresol					0.038	0.051	0.076	0.083	0.093	0.096	*L	0.9973
25) t Hexachlorobenzene	0.205	0.217	0.223	0.226	0.222	0.219	0.224	0.217	0.216	0.202	0.217	3.61
26) t Pentachlorophenol					0.007	0.018	0.048	0.069	0.099	0.112	*Q	0.9950
27) t Phenanthrene			1.149	1.204	1.203	1.144	1.159	1.127	1.118	1.036	1.143	4.68
28) t Anthracene		1.118	1.123	1.062	1.092	1.078	1.138	1.100	1.091	1.009	1.090	3.52
29) t Fluoranthene		1.264	1.264	1.230	1.223	1.217	1.292	1.235	1.250	1.147	1.236	3.30
30) t Pyrene		1.293	1.282	1.264	1.260	1.256	1.343	1.293	1.269	1.153	1.268	4.00
31) T Benzidine						0.009	0.143	0.404	0.654	0.670	*L	0.9952
32) s 4-Terphenyl-d14	0.902	0.840	0.807	0.804	0.808	0.796	0.829	0.776	0.763	0.690	0.802	6.83
33) i Chrysene-d12	-----ISTD-----											
34) t Benzo[a]anthracene		0.826	0.544	0.434	0.381	0.375	0.391	0.383	0.399	0.378	*L	0.9994
35) t 3,3'-Dichlorobenzidine					0.310	0.347	0.479	0.493	0.538	0.527	*L	0.9991
36) t Chrysene		0.969	1.259	1.266	1.307	1.344	1.386	1.320	1.326	1.255	1.270	9.50



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV125
 Calibration dates : 09/08/25 19:01 09/08/25 21:31

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22616

Calibration Files

L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
 L9 =IL9.D L10 =IL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) T bis(2-Ethylhexyl)phthalate					0.497	0.504	0.674	0.708	0.827	0.871	*Q	0.9990
38) i Perylene-d12	-----ISTD-----											
39) t Benzo[b]fluoranthene		1.185	1.348	1.204	1.195	1.217	1.344	1.260	1.304	1.331	1.265	5.34
40) t Benzo[k]fluoranthene		1.244	1.312	1.237	1.267	1.283	1.331	1.354	1.355	1.157	1.282	5.02
41) t Benzo[a]pyrene		0.995	1.098	1.043	1.064	1.088	1.197	1.180	1.229	1.174	1.119	7.12
42) t Indeno[1,2,3-cd]pyrene		0.957	1.131	0.980	0.980	1.001	1.114	1.119	1.154	1.129	1.063	7.59
43) t Dibenzo[a,h]anthracene			1.096	0.943	0.980	1.015	1.119	1.090	1.111	1.077	1.054	6.23
44) t Benzo[g,h,i]perylene		0.977	1.177	1.023	1.029	1.068	1.152	1.136	1.178	1.121	1.096	6.73



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV120
 Calibration dates : 09/17/25 09:39 09/17/25 12:10

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22659

Calibration Files

L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
 L9 =IL9.D L10 =IL10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1) i	1,4-Dichlorobenzene-d4	-----ISTD-----											
2) T	N-Nitrosodimethylamine				0.506	0.525	0.603	0.621	0.646	0.636	0.589	10.03	
3) s	2-Fluorophenol	0.858	0.798	0.830	0.852	0.901	0.994	1.007	1.020	0.982	0.916	9.34	
4) s	Phenol-d6	1.199	0.943	1.094	1.098	1.140	1.280	1.268	1.311	1.295	1.181	10.40	
5) T	bis(2-Chloroethyl)ether			0.645	0.719	0.806	1.027	1.035	1.079	1.062	*L	0.9993	
6) T	n-Nitrosodi-n-propylamine			0.680	0.715	0.753	0.820	0.816	0.853	0.853	0.784	8.77	
7) t	Hexachloroethane			0.553	0.495	0.491	0.506	0.495	0.499	0.485	0.503	4.51	
8) s	Nitrobenzene-d5	0.600	0.657	0.805	0.890	1.030	1.044	1.104	1.098	*L	0.9992		
9) i	Naphthalene-d8	-----ISTD-----											
10) t	Naphthalene	1.124	1.002	0.958	0.948	0.961	0.932	0.938	0.898	0.970		7.09	
11) t	Hexachlorobutadiene			0.189	0.183	0.180	0.185	0.178	0.178	0.169	0.180	3.55	
12) t	2-Methylnaphthalene	0.568	0.553	0.543	0.549	0.589	0.579	0.584	0.558	0.565		3.06	
13) t	1-Methylnaphthalene	0.620	0.608	0.628	0.623	0.641	0.612	0.612	0.585	0.616		2.65	
14) s	2-Fluorobiphenyl	0.789	0.774	0.750	0.756	0.792	0.784	0.774	0.726	0.768		2.96	
15) t	2-Chloronaphthalene			0.585	0.621	0.624	0.666	0.658	0.662	0.634	0.635	4.57	
16) t	2,6-Dinitrotoluene			0.092	0.094	0.114	0.126	0.146	0.147	*L	0.9964		
17) t	Acenaphthylene	1.310	1.080	1.030	1.056	1.074	1.128	1.132	1.141	1.078	1.114	7.39	
18) i	Acenaphthene-d10	-----ISTD-----											
19) t	Acenaphthene	1.259	1.226	1.214	1.192	1.228	1.189	1.190	1.137	1.204		3.04	
20) t	2,4-Dinitrotoluene			0.181	0.188	0.251	0.284	0.329	0.329	*L	0.9961		
21) t	Fluorene	1.291	1.301	1.303	1.284	1.380	1.380	1.377	1.304	1.327		3.25	
22) s	2,4,6-Tribromophenol	0.121	0.121	0.123	0.128	0.145	0.150	0.161	0.157	0.138	12.16		
23) i	Phenanthrene-d10	-----ISTD-----											
24) T	4,6-Dinitro-o-cresol			0.027	0.039	0.056	0.060	0.073	0.079	*Q	0.9989		
25) t	Hexachlorobenzene	0.279	0.222	0.220	0.217	0.216	0.223	0.212	0.219	0.207	0.224	9.56	
26) t	Pentachlorophenol			0.078	0.037	0.040	0.048	0.068	0.102	*Q	0.9991		
27) t	Phenanthrene	1.052	1.044	0.999	0.995	1.045	1.009	1.023	0.966	1.017		2.96	
28) t	Anthracene	1.047	1.015	0.974	0.958	1.047	1.017	1.057	1.003	1.015		3.51	
29) t	Fluoranthene	1.183	1.119	1.097	1.084	1.158	1.132	1.181	1.119	1.134		3.25	
30) t	Pyrene	1.186	1.176	1.147	1.128	1.202	1.199	1.227	1.152	1.177		2.80	
31) s	4-Terphenyl-d14	0.951	0.784	0.772	0.764	0.745	0.798	0.788	0.793	0.726	0.791	8.12	
32) i	Chrysene-d12	-----ISTD-----											
33) t	Benzo[a]anthracene	3.306	2.203	1.357	1.194	1.220	1.193	1.244	1.205	*L	0.9996		
34) t	3,3'-Dichlorobenzidine			0.280	0.330	0.419	0.439	0.496	0.497	*L	0.9980		
35) t	Chrysene	1.339	1.201	1.202	1.194	1.219	1.186	1.219	1.165	1.216		4.35	
36) T	bis(2-Ethylhexyl)phthalate			0.507	0.509	0.611	0.638	0.756	0.782	0.634	18.52		



Initial Calibration Summary

Form 6

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV120
 Calibration dates : 09/17/25 09:39 09/17/25 12:10

Lab Number : L2557076
 Project Number : BSD1504
 Ical Ref : ICAL22659

Calibration Files

L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
 L9 =IL9.D L10 =IL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) i Perylene-d12	-----ISTD-----											
38) t Benzo(b)fluoranthene	1.027	0.954	0.955	0.965	1.094	1.102	1.120	1.112	1.041	7.16		
39) t Benzo(k)fluoranthene	1.240	1.076	1.088	1.099	1.205	1.190	1.222	1.137	1.157	5.63		
40) t Benzo[a]pyrene	0.994	0.886	0.874	0.893	1.028	1.031	1.087	1.057	0.981	8.63		
41) t Indeno(1,2,3-cd)Pyrene	0.872	0.773	0.677	0.676	0.690	0.828	0.865	0.968	0.987	0.815	14.71	
42) t Dibenzo[a,h]anthracene	0.664	0.650	0.645	0.665	0.882	0.909	0.973	0.956	0.793	18.80		
43) t Benzo(ghi)perylene	0.979	0.801	0.825	0.834	0.954	0.979	1.039	1.021	0.929	10.14		



Response Factor Report SV125

Method Path : I:\8270SIM\SV125\250908RVTical\
 Method File : SIM-RVT_250908_sv125.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Tue Sep 09 15:24:20 2025
 Response Via : Initial Calibration

Calibration Files

L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
 L9 =IL9.D L10 =IL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1) i 1,4-Dichlorobenzene-d4	-----ISTD-----											
2) T N-Nitrosodimethylamine			0.620	0.638	0.645	0.678	0.664	0.665	0.626	0.648	3.34	
3) s 2-Fluorophenol	0.942	0.947	0.946	0.957	0.960	0.994	1.053	1.058	1.048	0.971	0.988	4.81
4) s Phenol-d6	1.131	1.054	1.172	1.141	1.217	1.220	1.321	1.309	1.335	1.303	1.220	7.85
5) T bis(2-Chloroethyl)ether			1.100	1.042	1.099	1.071	1.158	1.137	1.122	1.074	1.100	3.46
6) T n-Nitrosodi-n-propylamine			0.719	0.713	0.701	0.694	0.752	0.746	0.768	0.757	0.731	3.80
7) t Hexachloroethane		0.543	0.519	0.504	0.497	0.490	0.506	0.497	0.493	0.469	0.502	4.07
8) s Nitrobenzene-d5	0.810	0.952	0.919	0.908	0.961	0.972	1.059	1.057	1.072	1.035	0.974	8.52
9) i Naphthalene-d8	-----ISTD-----											
10) t Naphthalene		1.240	1.126	1.090	1.045	1.031	1.034	1.008	1.000	0.947	1.058	8.09
11) t Hexachlorobutadiene		0.174	0.183	0.179	0.177	0.177	0.178	0.174	0.172	0.165	0.175	2.82
12) t 2-Methylnaphthalene		0.643	0.618	0.615	0.609	0.606	0.628	0.621	0.620	0.596	0.617	2.19
13) t 1-Methylnaphthalene		0.671	0.685	0.682	0.677	0.670	0.672	0.652	0.645	0.617	0.663	3.29
14) s 2-Fluorobiphenyl	0.813	0.830	0.860	0.863	0.840	0.830	0.831	0.796	0.774	0.726	0.816	5.09
15) t 2-Chloronaphthalene		0.697	0.695	0.698	0.700	0.694	0.702	0.688	0.694	0.667	0.693	1.49
16) t 2,6-Dinitrotoluene				0.103	0.108	0.133	0.135	0.150	0.139	0.128	0.149	14.36
17) t Acenaphthylene		1.050	1.060	1.065	1.076	1.078	1.167	1.141	1.146	1.074	1.095	3.97
18) i Acenaphthene-d10	-----ISTD-----											
19) t Acenaphthene		1.283	1.233	1.360	1.304	1.291	1.310	1.264	1.266	1.198	1.279	3.65
20) t 2,4-Dinitrotoluene				0.218	0.233	0.312	0.324	0.354	0.342	*L	0.9990	
21) t Fluorene		1.475	1.423	1.424	1.416	1.425	1.502	1.442	1.443	1.338	1.432	3.15
22) s 2,4,6-Tribromophenol			0.111	0.111	0.132	0.145	0.174	0.170	0.177	0.170	0.149	18.69
23) i Phenanthrene-d10	-----ISTD-----											
24) T 4,6-Dinitro-o-cresol				0.038	0.051	0.076	0.083	0.093	0.096	*L	0.9973	
25) t Hexachlorobenzene	0.205	0.217	0.223	0.226	0.222	0.219	0.224	0.217	0.216	0.202	0.217	3.61
26) t Pentachlorophenol				0.007	0.018	0.048	0.069	0.099	0.112	*Q	0.9950	
27) t Phenanthrene			1.149	1.204	1.203	1.144	1.159	1.127	1.118	1.036	1.143	4.68
28) t Anthracene		1.118	1.123	1.062	1.092	1.078	1.138	1.100	1.091	1.009	1.090	3.52
29) t Fluoranthene		1.264	1.264	1.230	1.223	1.217	1.292	1.235	1.250	1.147	1.236	3.30
30) t Pyrene		1.293	1.282	1.264	1.260	1.256	1.343	1.293	1.269	1.153	1.268	4.00
31) T Benzidine					0.009	0.143	0.404	0.654	0.670	*L	0.9952	
32) s 4-Terphenyl-d14	0.902	0.840	0.807	0.804	0.808	0.796	0.829	0.776	0.763	0.690	0.802	6.83
33) i Chrysene-d12	-----ISTD-----											
34) t Benzo[a]anthracene		0.826	0.544	0.434	0.381	0.375	0.391	0.383	0.399	0.378	*L	0.9994
35) t 3,3'-Dichlorobenzidine				0.310	0.347	0.479	0.493	0.538	0.527	*L	0.9991	
36) t Chrysene		0.969	1.259	1.266	1.307	1.344	1.386	1.320	1.326	1.255	1.270	9.50
37) T bis(2-Ethylhexyl)phthalate				0.497	0.504	0.674	0.708	0.827	0.871	*Q	0.9990	
38) i Perylene-d12	-----ISTD-----											
39) t Benzo[b]fluora...		1.185	1.348	1.204	1.195	1.217	1.344	1.260	1.304	1.331	1.265	5.34
40) t Benzo[k]fluora...		1.244	1.312	1.237	1.267	1.283	1.331	1.354	1.355	1.157	1.282	5.02
41) t Benzo[a]pyrene		0.995	1.098	1.043	1.064	1.088	1.197	1.180	1.229	1.174	1.119	7.12
42) t Indeno[1,2,3-c...		0.957	1.131	0.980	0.980	1.001	1.114	1.119	1.154	1.129	1.063	7.59
43) t Dibenzo[a,h]anthracene			1.096	0.943	0.980	1.015	1.119	1.090	1.111	1.077	1.054	6.23
44) t Benzo[g,h,i]pe...		0.977	1.177	1.023	1.029	1.068	1.152	1.136	1.178	1.121	1.096	6.73

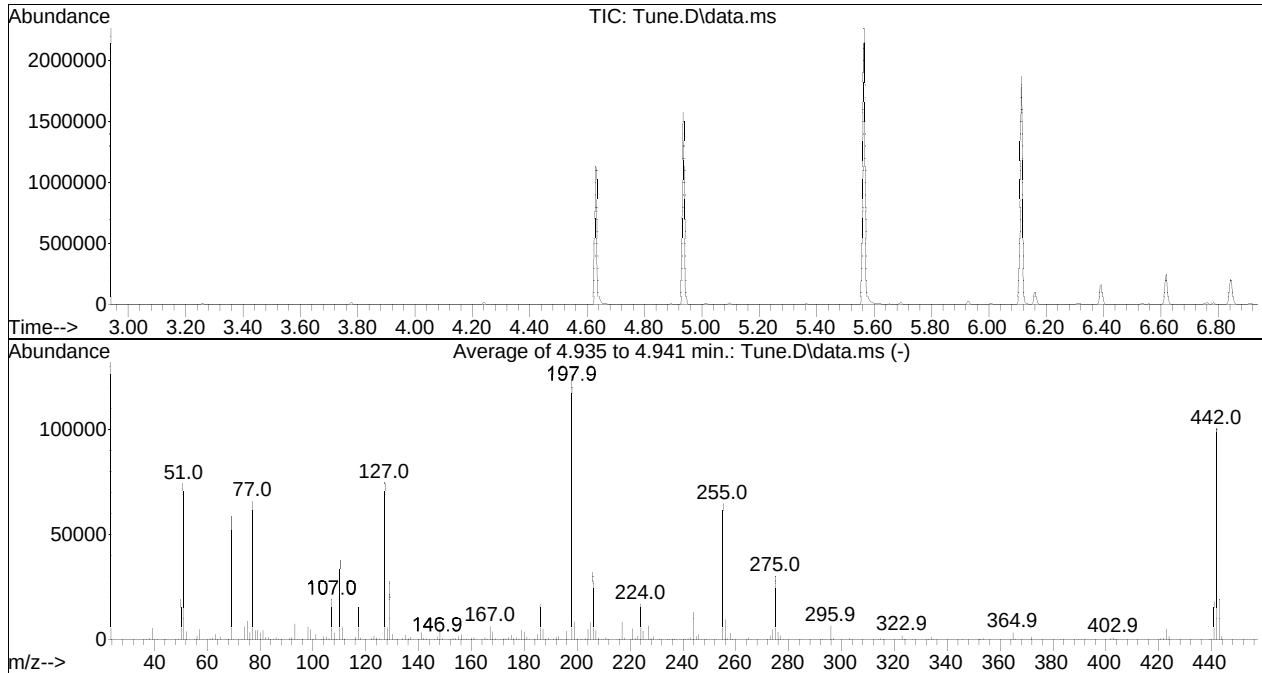
(#) = Out of Range

DFTPP

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : Tune.D
 Acq On : 08 Sep 2025 06:17 pm
 Operator : SV125:ljg
 Sample : TUNE #11473
 Misc : WG2112310,,
 ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Tue Sep 09 07:49:30 2025



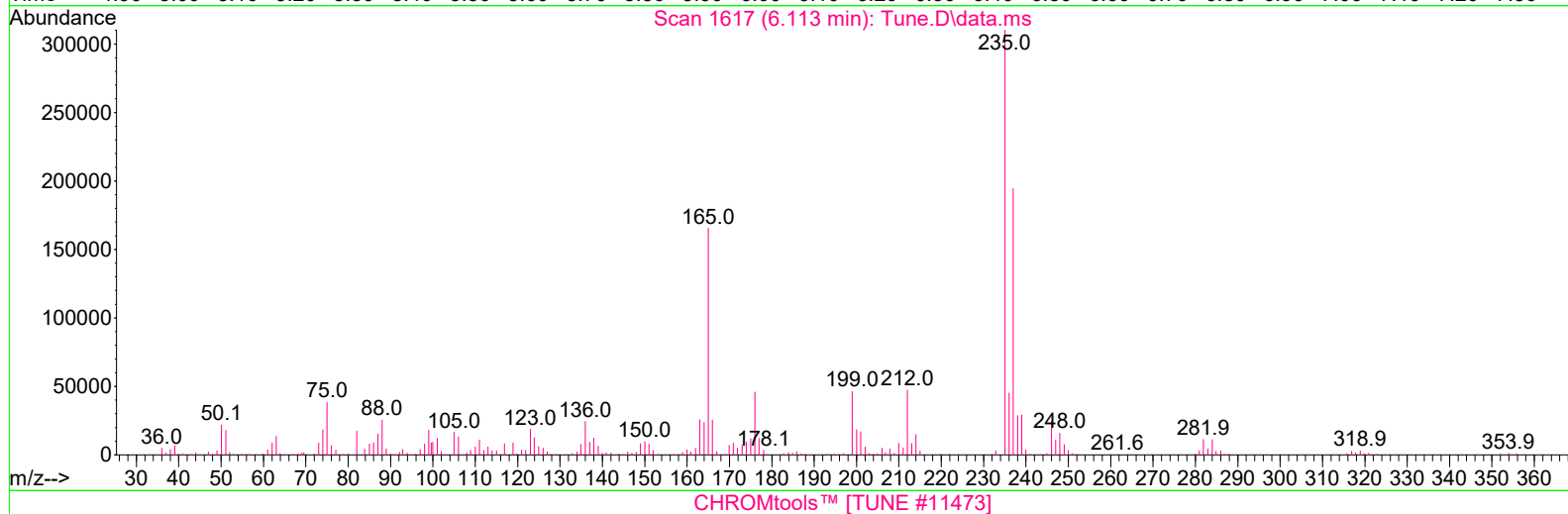
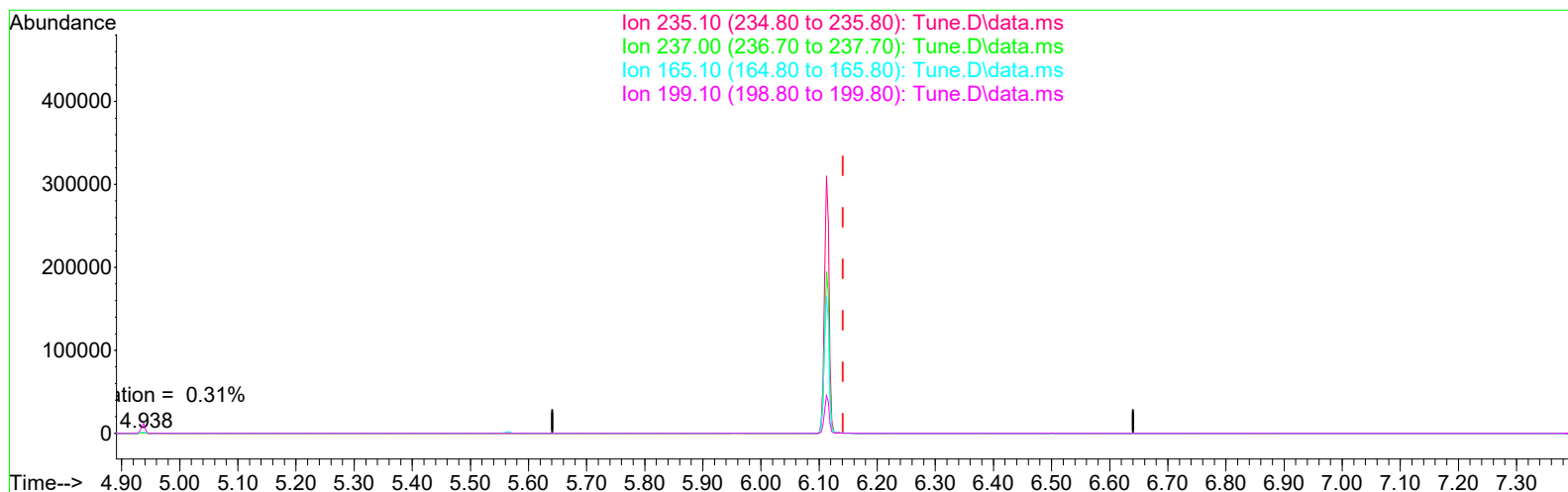
Spectrum Information: Average of 4.935 to 4.941 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	59.2	74432	PASS
68	69	0.00	2	0.8	465	PASS
69	69	100	100	100.0	58419	PASS
70	69	0.00	2	0.5	266	PASS
127	198	10	80	59.3	74637	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	125819	PASS
199	198	5	9	6.8	8503	PASS
275	198	10	60	24.1	30341	PASS
365	198	1	100	2.7	3434	PASS
441	442	0.01	24	17.5	17587	PASS
442	198	50	100	79.8	100360	PASS
443	442	15	24	19.1	19161	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : Tune.D
 Acq On : 08 Sep 2025 06:17 pm
 Operator : SV125:ljg
 Sample : TUNE #11473
 Misc : WG2112310,,
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 08 18:38:08 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\dftppsv125.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 25 10:44:55 2025
 Response via : Continuing Cal File:



(6) ddt (T)

6.113min (-0.028) 28.52

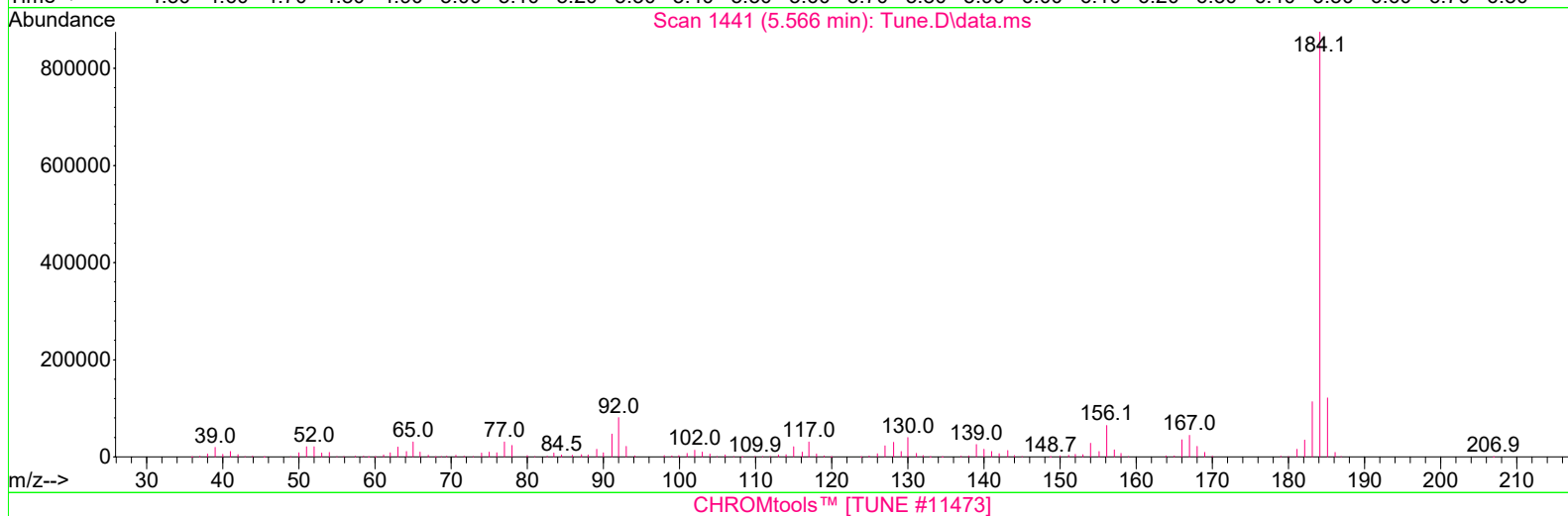
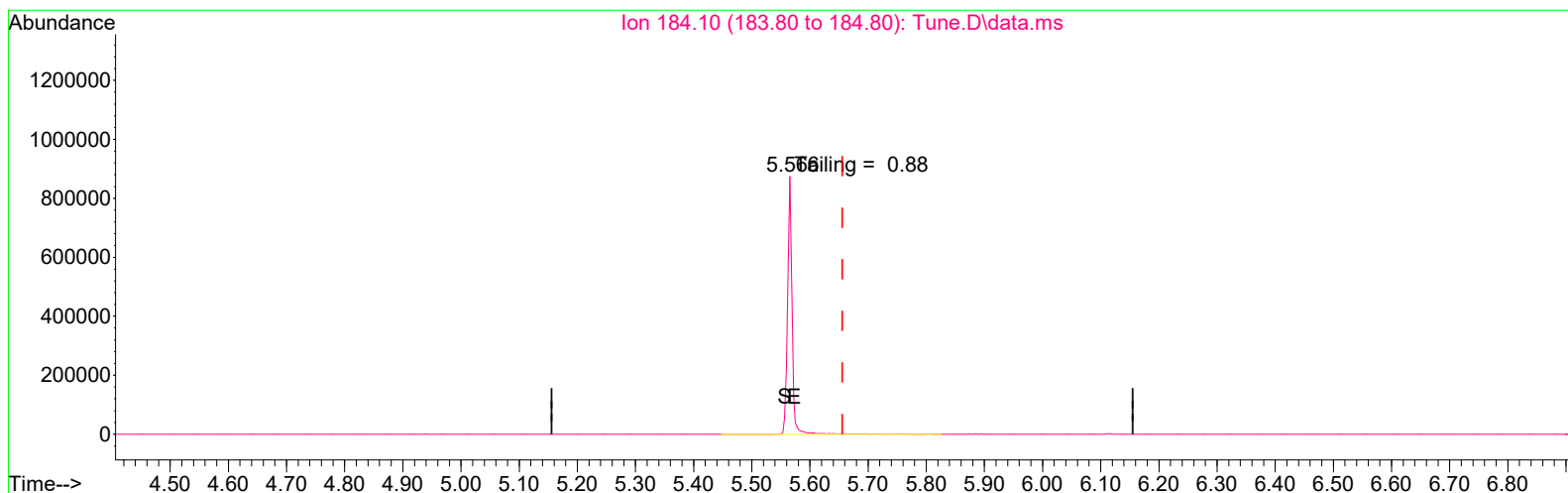
response 173880

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.41
165.10	53.30	54.45
199.10	17.10	14.81

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : Tune.D
 Acq On : 08 Sep 2025 06:17 pm
 Operator : SV125:ljg
 Sample : TUNE #11473
 Misc : WG2112310,,
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 08 18:38:08 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\dftppsv125.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 25 10:44:55 2025
 Response via : Continuing Cal File:



CHROMtools™ [TUNE #11473]

(3) benzidine (T)

5.566min (-0.090) 46.19

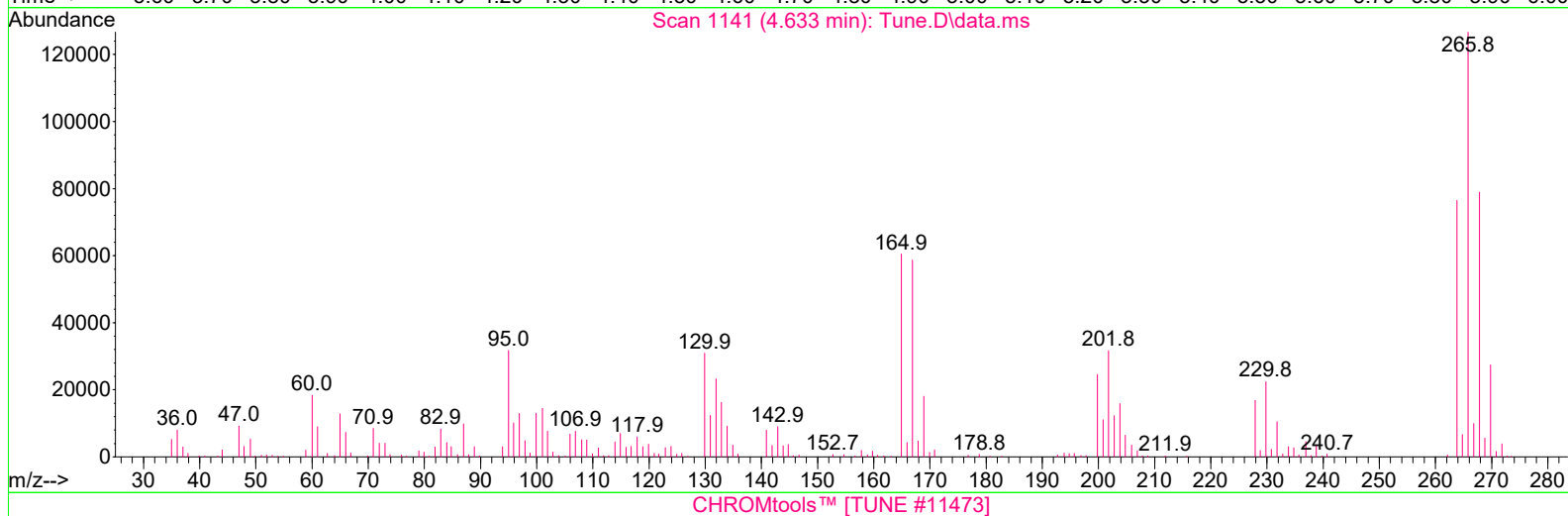
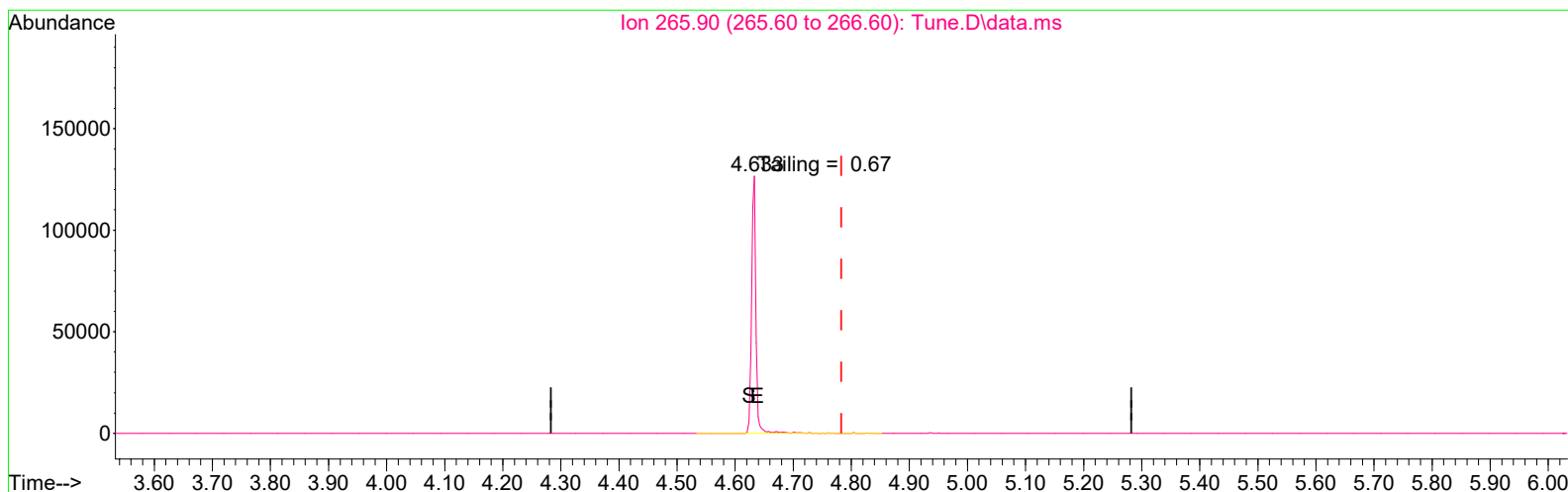
response 470224

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : Tune.D
 Acq On : 08 Sep 2025 06:17 pm
 Operator : SV125:ljg
 Sample : TUNE #11473
 Misc : WG2112310,,
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 08 18:38:08 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\dftppsv125.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 25 10:44:55 2025
 Response via : Continuing Cal File:



CHROMtools™ [TUNE #11473]

(1) pentachlorophenol (T)

4.633min (-0.150) 30.83

response 64747

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL10.D
 Acq On : 08 Sep 2025 07:01 pm
 Operator : SV125:ljb
 Sample : IL10,32,,5 Lot# 11697
 Misc : WG2112310,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 09 14:53:19 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:37 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.291	152	328516	4000.000	ng/ml	-0.02
Standard Area 1 = 322973			Recovery	=	101.72%	
9) Naphthalene-d8	2.955	136	1292602	4000.000	ng/ml	-0.02
Standard Area 1 = 1270390			Recovery	=	101.75%	
18) Acenaphthene-d10	3.929	164	736941	4000.000	ng/ml	-0.01
Standard Area 1 = 721721			Recovery	=	102.11%	
23) Phenanthrene-d10	4.772	188	1398037	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	100.25%	
33) Chrysene-d12	6.449	240	1114873M1	4000.000	ng/ml	0.12
Standard Area 1 = 1178823			Recovery	=	94.58%	
38) Perylene-d12	7.538	264	1117108M1	4000.000	ng/ml	0.14
Standard Area 1 = 1143832			Recovery	=	97.66%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.701	112	398831	4916.377	ng/ml	-0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	245.82%#	
4) Phenol-d6	2.111	99	535153	5339.714	ng/ml	-0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	266.99%#	
8) Nitrobenzene-d5	2.574	82	425033	5310.844	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	531.08%#	
14) 2-Fluorobiphenyl	3.556	172	1173341	4447.969	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	444.80%#	
22) 2,4,6-Tribromophenol	4.374	330	156427	5709.375	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	285.47%#	
32) 4-Terphenyl-d14	5.757	244	1206411M1	4305.933	ng/ml	0.06
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	430.59%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.210	74	257246	4833.219	ng/mL	98
5) Bis(2-chloroethyl)ether	2.161	93	440995	4880.311	ng/ml	99
6) n-nitrosodi-n-propylamine	2.499	70	310718M6	5175.026	ng/ml	
7) Hexachloroethane	2.549	117	192444	4668.792	ng/ml	100
10) Naphthalene	2.965	128	1529601	4475.062	ng/ml	99
11) Hexachlorobutadiene	3.041	225	266602	4707.953	ng/ml	100
12) 2-Methylnaphthalene	3.345	142	963199	4828.298	ng/ml	99
13) 1-Methylnaphthalene	3.400	142	996165	4647.900	ng/ml	99
15) 2-Chloronaphthalene	3.614	162	1078328	4816.373	ng/ml	99
16) 2,6-Dinitrotoluene	3.816	165	223803M6	5415.259	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL10.D
 Acq On : 08 Sep 2025 07:01 pm
 Operator : SV125:ljb
 Sample : IL10,32,,5 Lot# 11697
 Misc : WG2112310,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 09 14:53:19 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:37 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
17)	Acenaphthylene	3.846	152	1734824	4901.038	ng/ml	99
19)	Acenaphthene	3.947	153	1103531	4683.893	ng/ml	97
20)	2,4-Dinitrotoluene	4.041	165	314814	4981.889	ng/ml	95
21)	Fluorene	4.237	166	1232563	4671.850	ng/ml	98
24)	4,6-Dinitro-o-cresol	4.274	198	167580	5136.345	ng/ml	97
25)	Hexachlorobenzene	4.554	284	353590M6	4658.391	ng/ml	
26)	Pentachlorophenol	4.669	266	196016	4927.171	ng/ml	99
27)	Phenanthrene	4.784	178	1810249	4533.299	ng/ml	99
28)	Anthracene	4.817	178	1762676	4627.106	ng/ml	99
29)	Fluoranthene	5.503	202	2004359M1	4641.383	ng/ml	
30)	Pyrene	5.645	202	2014829M1	4545.740	ng/ml	
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.438	226	526426M4	4912.675	ng/ml	
35)	3,3'-Dichlorobenzidine	6.435	252	734308M4	5005.835	ng/ml	
36)	Chrysene	6.465	228	1749511M6	4941.683	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.500	149	1213357M6	4967.471	ng/ml	
39)	Benzo[b]fluoranthene	7.212	252	1858724M6	5259.705	ng/ml	
40)	Benzo[k]fluoranthene	7.235	252	1615186M4	4510.455	ng/ml	
41)	Benzo[a]pyrene	7.485	252	1639089M6	5247.056	ng/ml	
42)	Indeno[1,2,3-cd]pyrene	8.623	276	1576607M4	5311.793	ng/ml	
43)	Dibenzo[a,h]anthracene	8.661	278	1503245M6	5108.083	ng/ml	
44)	Benzo[g,h,i]perylene	8.931	276	1565500M6	5116.314	ng/ml	

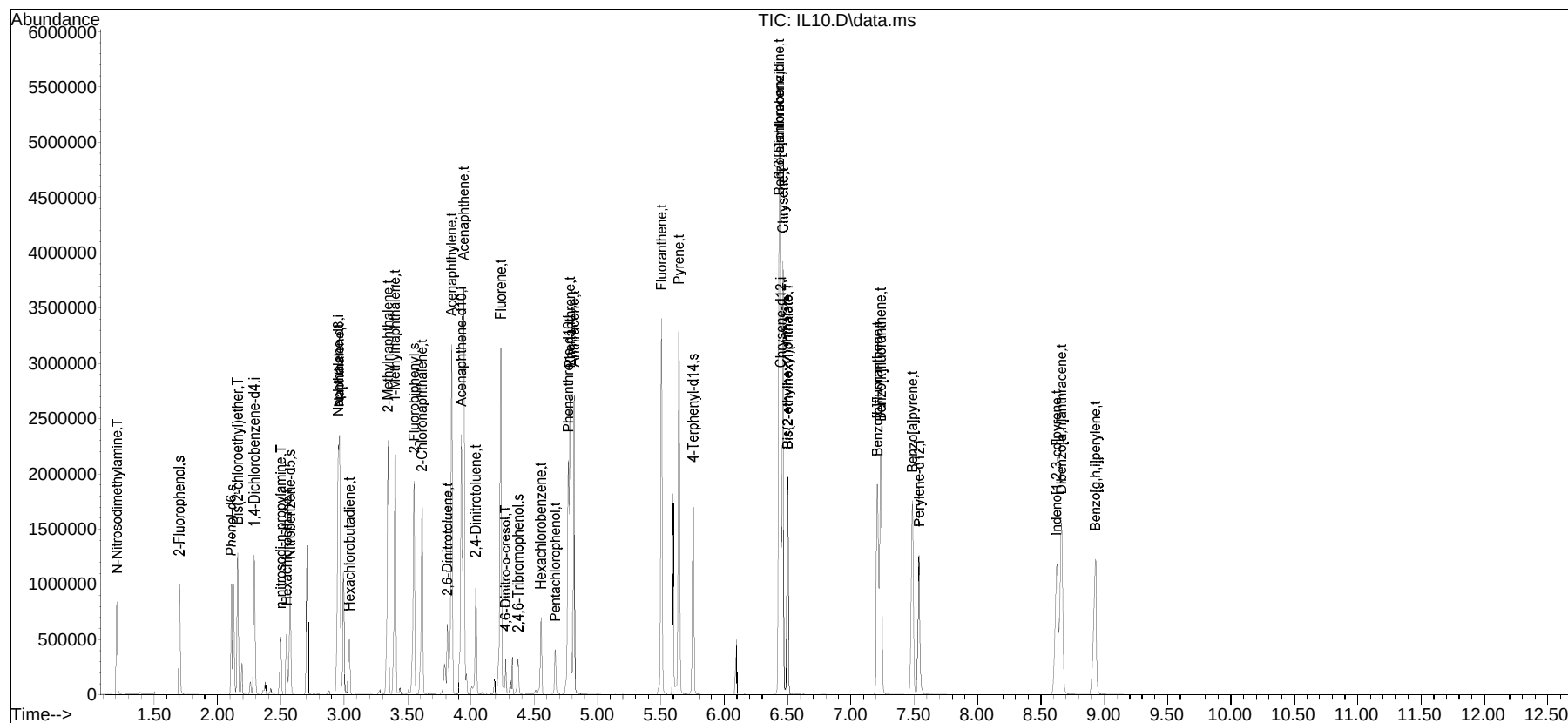
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL10.D
 Acq On : 08 Sep 2025 07:01 pm
 Operator : SV125:ljj
 Sample : IL10,32,,5 Lot# 11697
 Misc : WG2112310,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 09 14:53:19 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:37 2025
 Response via : Initial Calibration

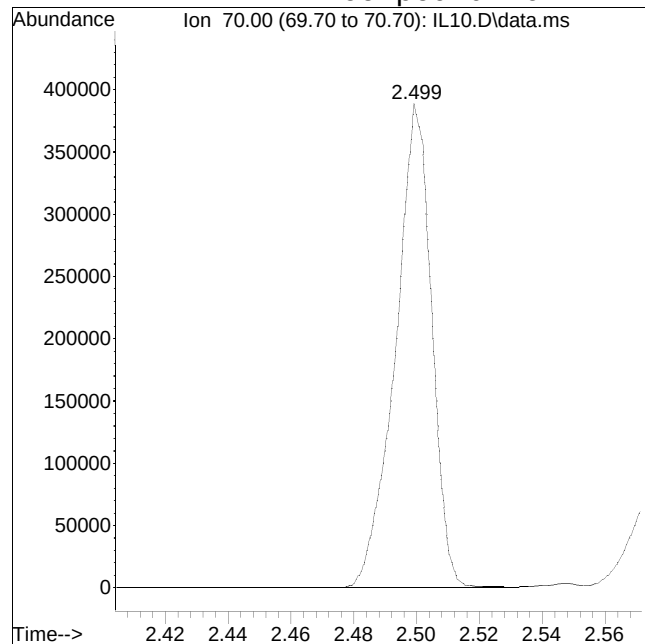
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

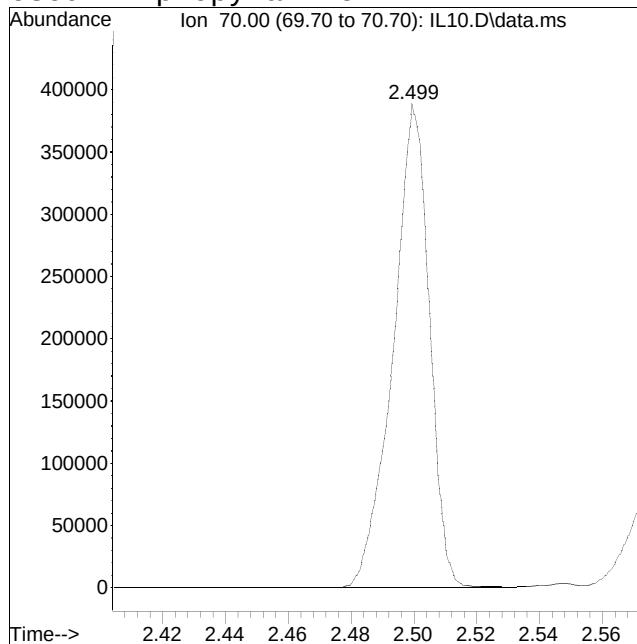
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #6: n-nitrosodi-n-propylamine



Original Peak Response = 377123

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

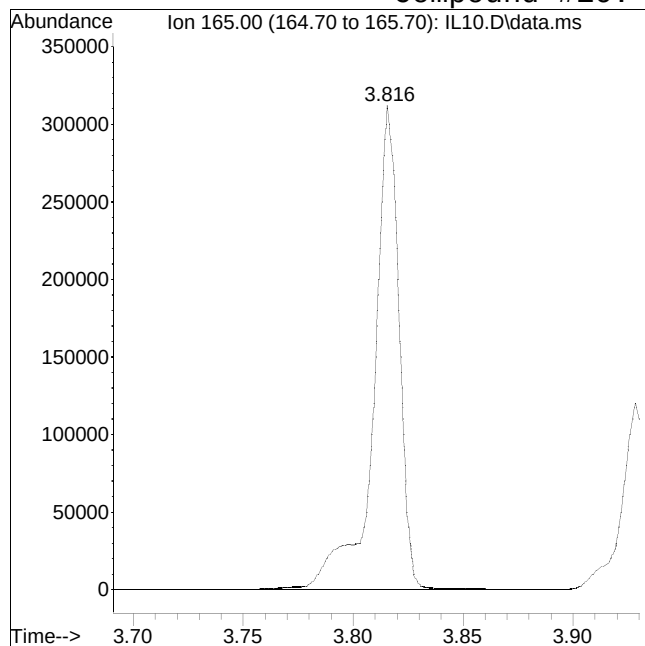


Manual Peak Response = 310718 M6

Manual Integration Report

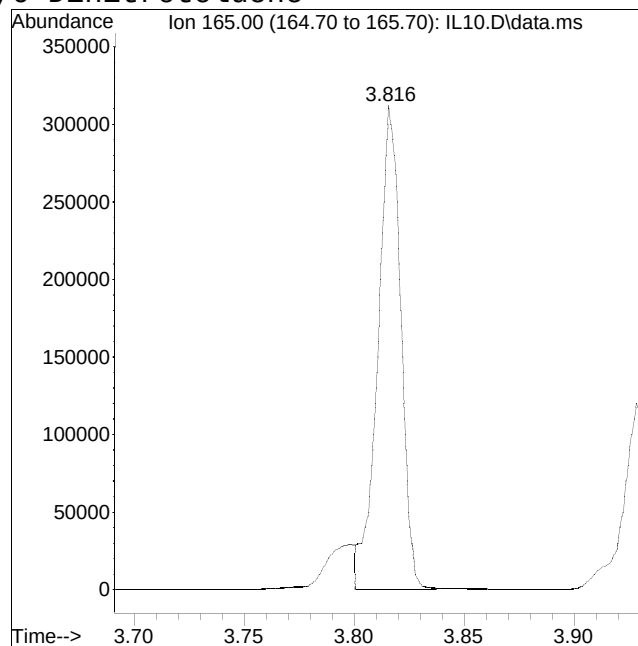
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #16: 2,6-Dinitrotoluene



Original Peak Response = 292258

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

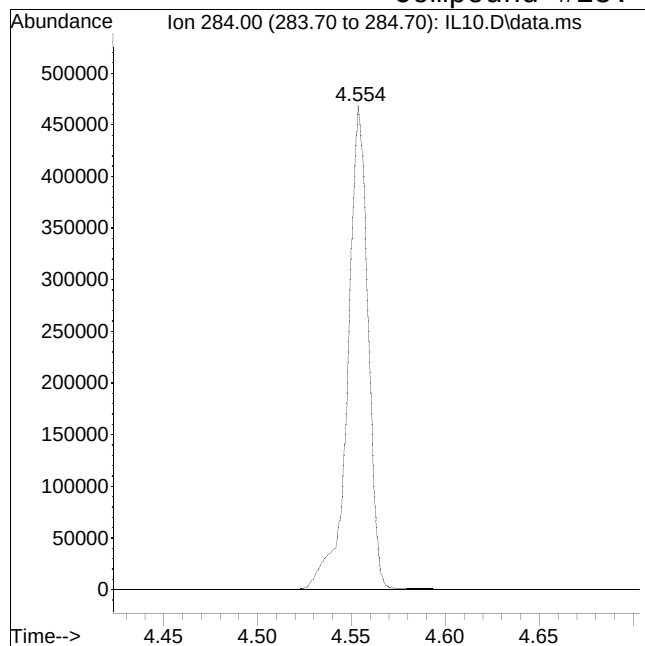


Manual Peak Response = 223803 M6

Manual Integration Report

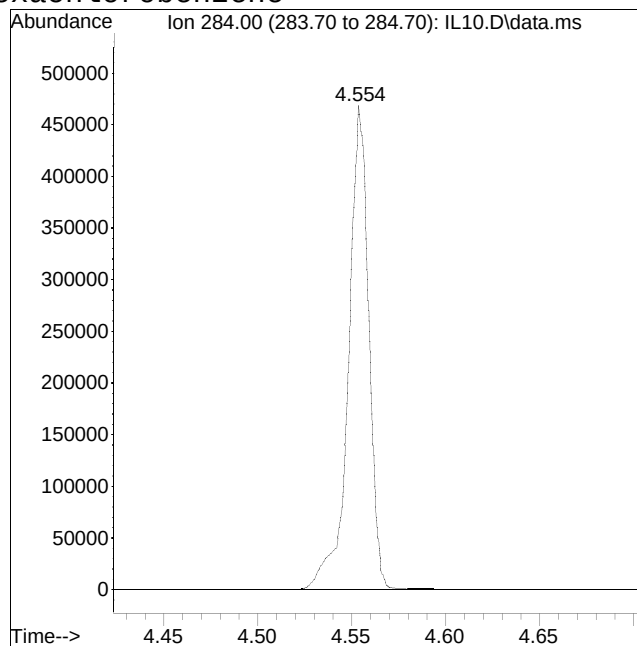
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 401834

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

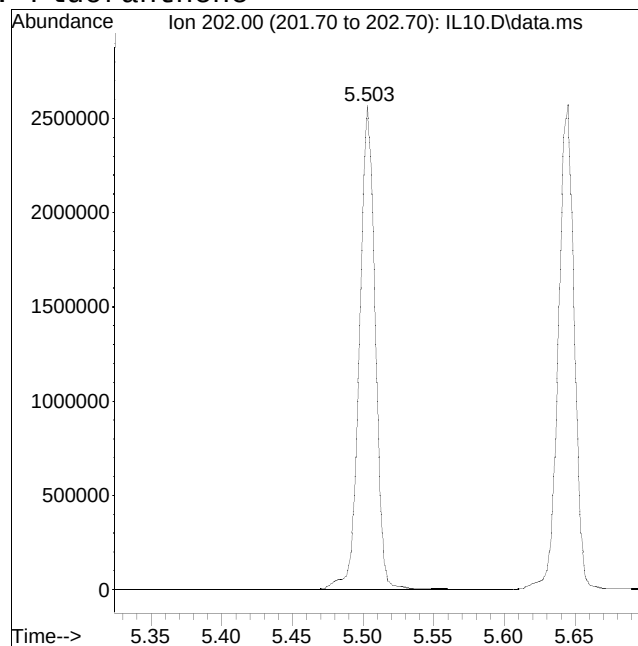
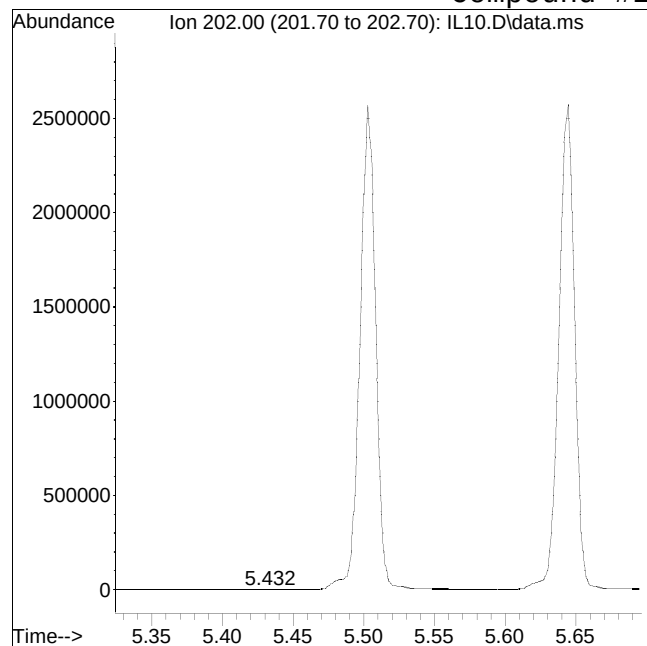


Manual Peak Response = 353590 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #29: Fluoranthene



Original Peak Response = 52

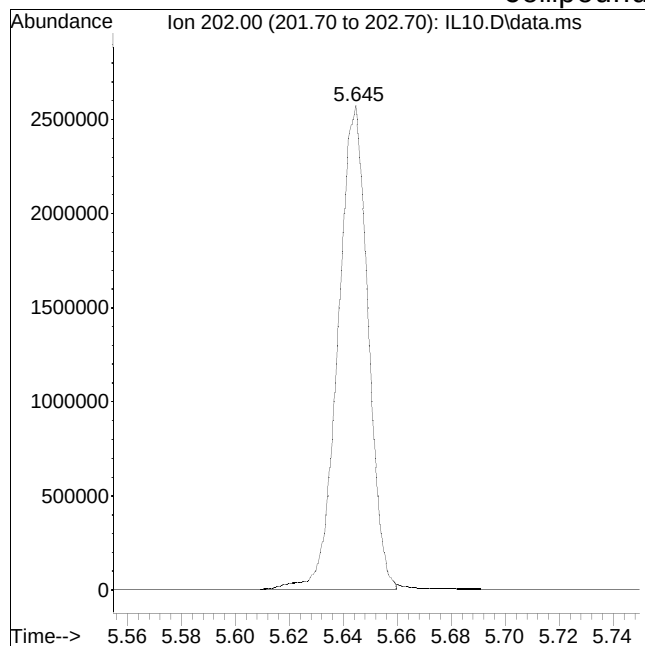
Manual Peak Response = 2004359 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

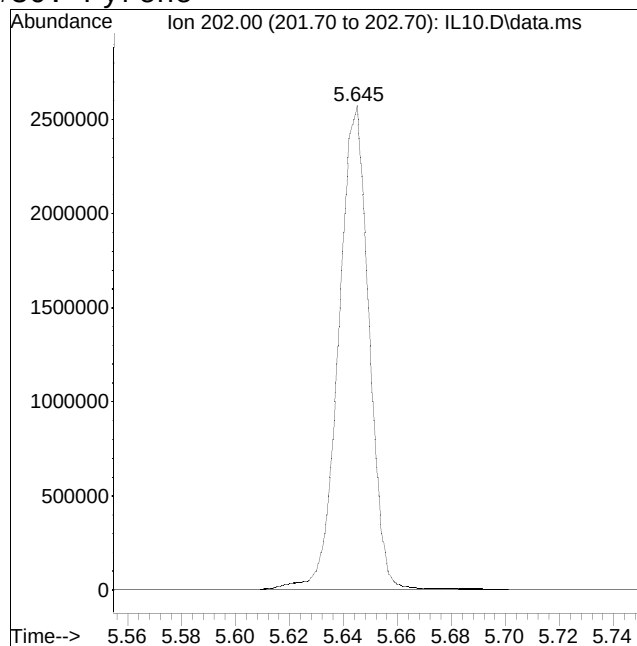
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #30: Pyrene



Original Peak Response = 1998891

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

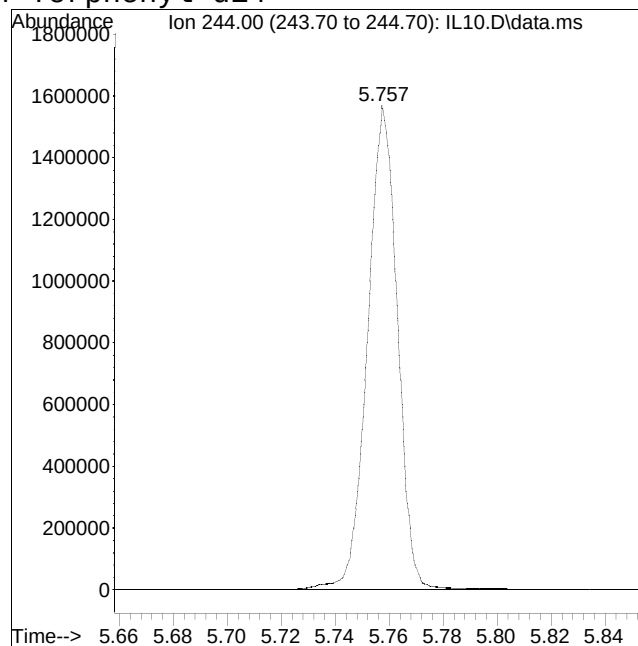
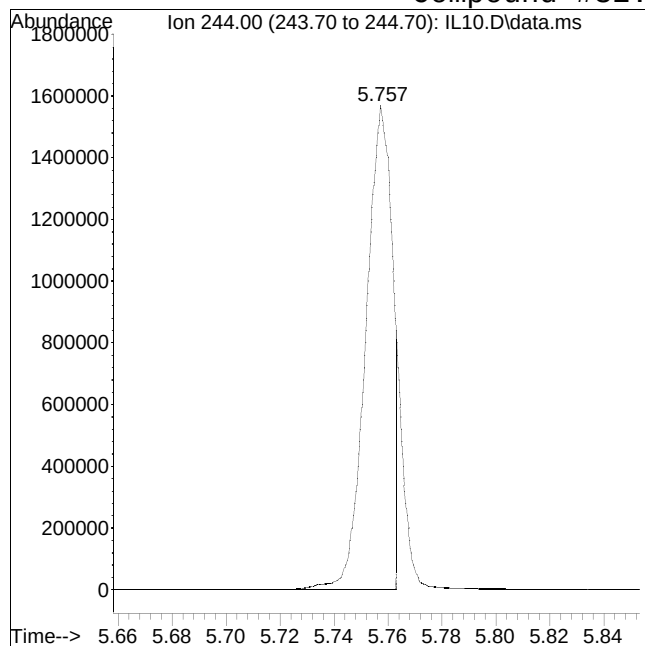


Manual Peak Response = 2014829 M1

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #32: 4-Terphenyl-d14



Original Peak Response = 1117755

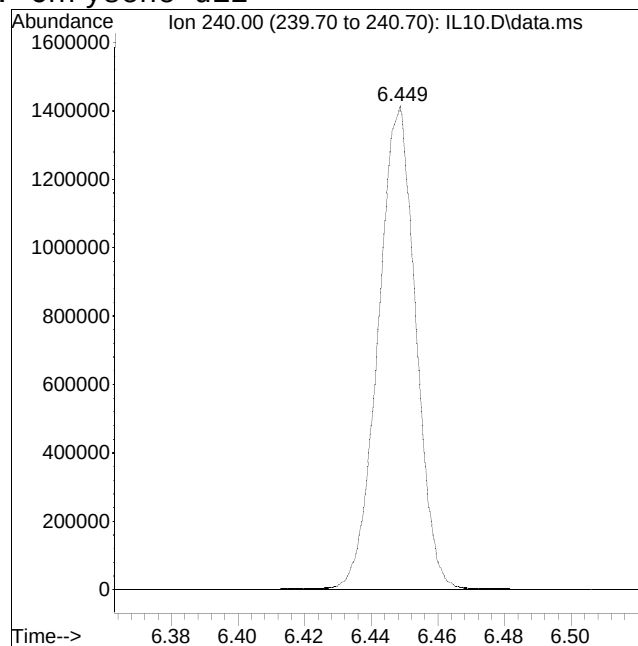
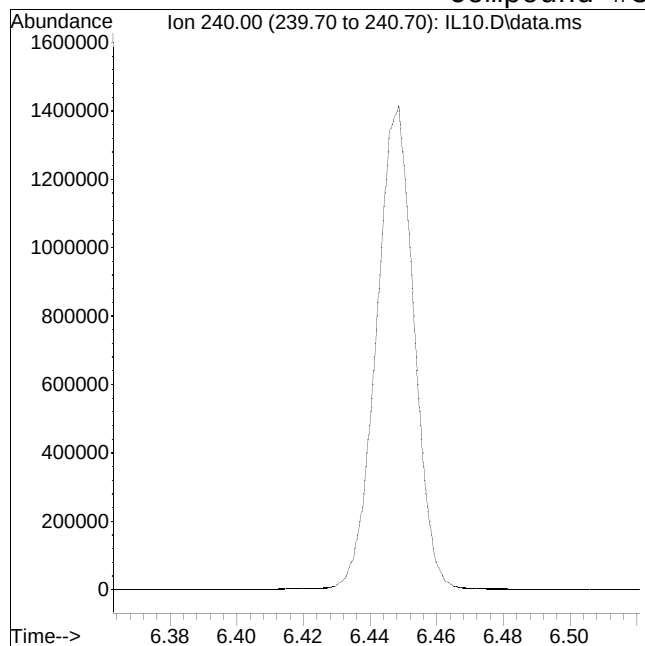
Manual Peak Response = 1206411 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #33: Chrysene-d12



Original Peak Response = 0

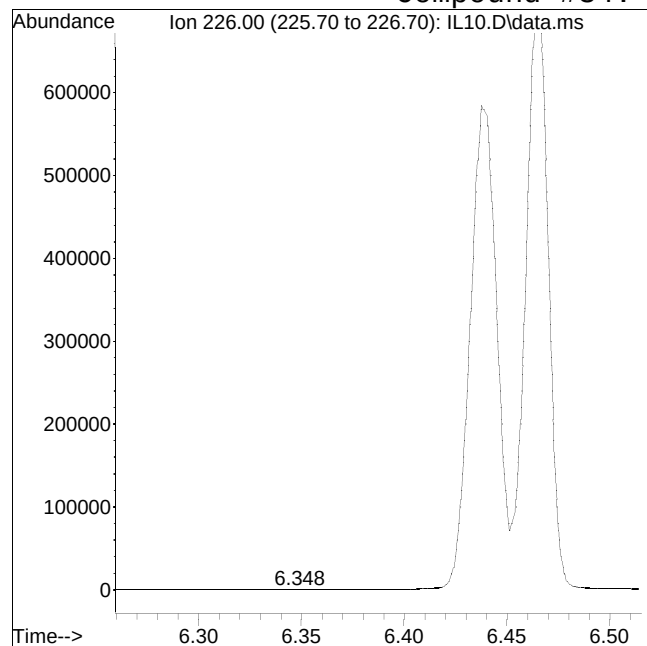
Manual Peak Response = 1114873 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

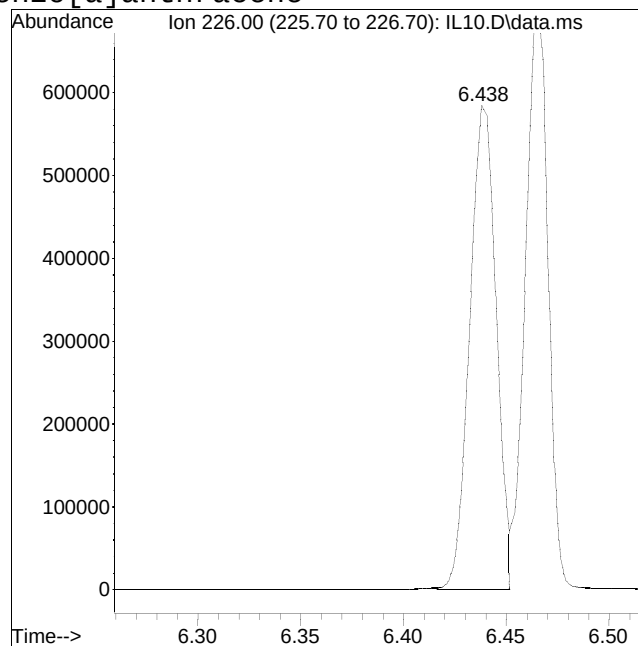
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:l jg
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #34: Benzo[a]anthracene



Original Peak Response = 143

M4 = Poor automated baseline construction.

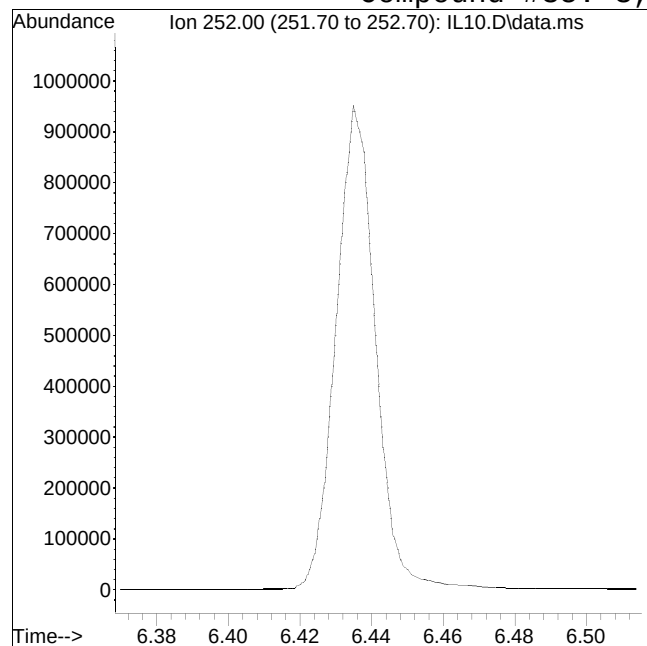


Manual Peak Response = 526426 M4

Manual Integration Report

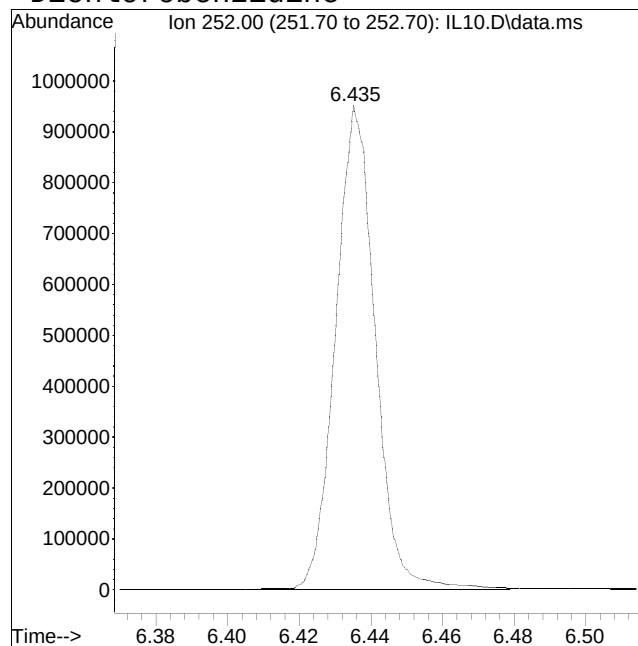
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #35: 3,3'-Dichlorobenzidine



Original Peak Response = 0

M4 = Poor automated baseline construction.

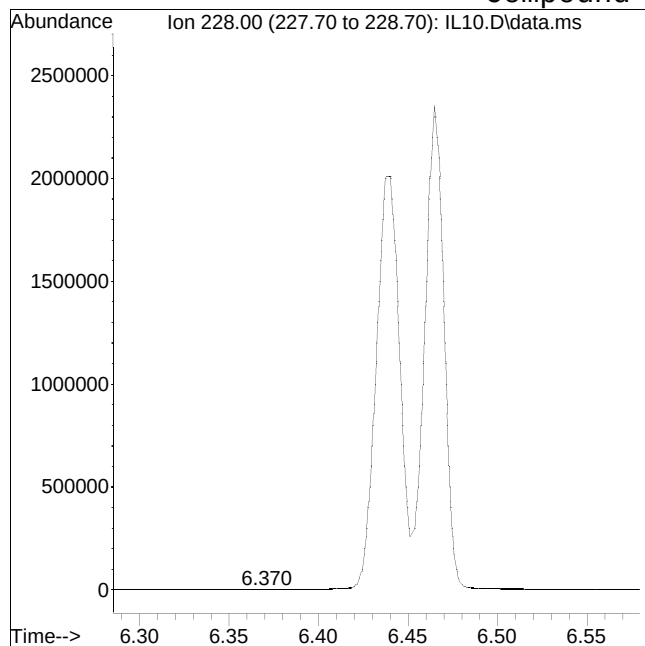


Manual Peak Response = 734308 M4

Manual Integration Report

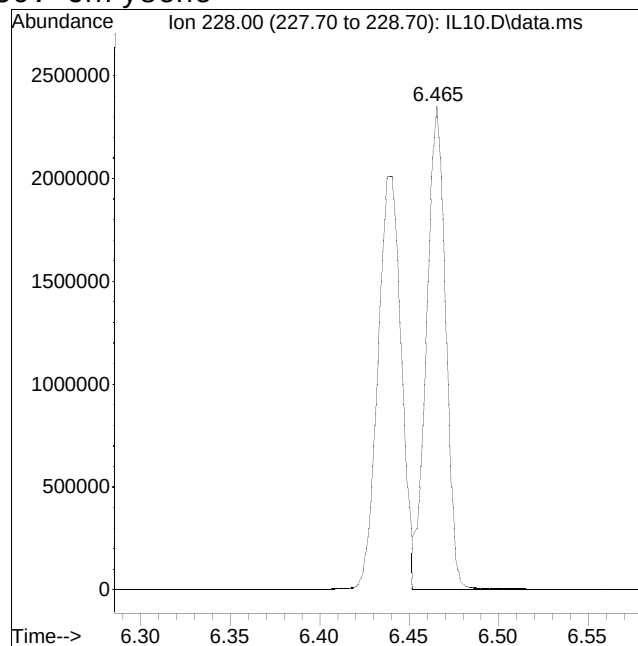
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #36: Chrysene



Original Peak Response = 166

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

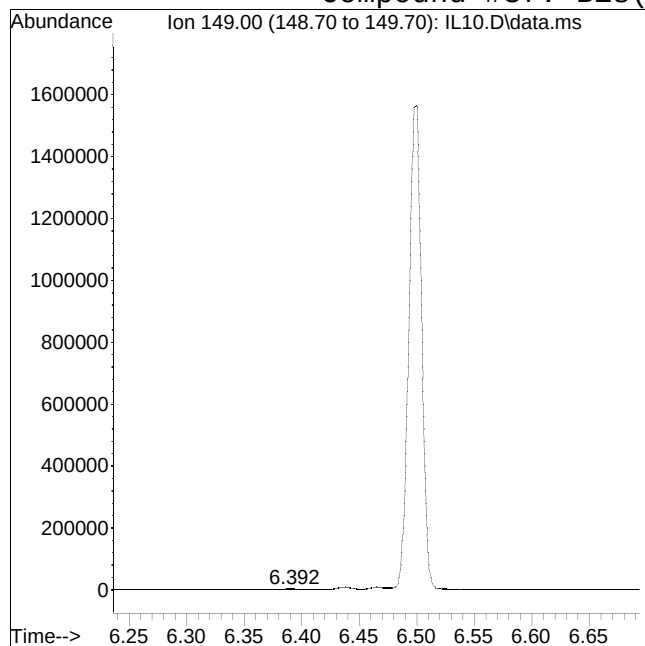


Manual Peak Response = 1749511 M6

Manual Integration Report

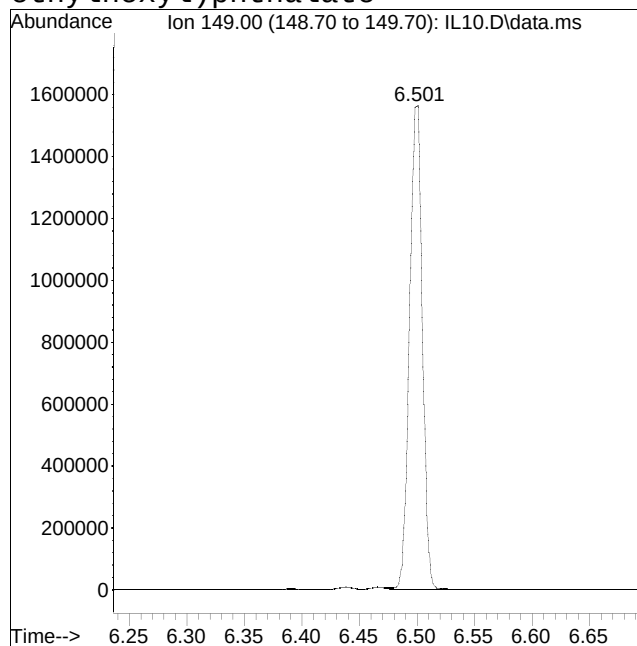
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #37: Bis(2-ethylhexyl)phthalate



Original Peak Response = 2032

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

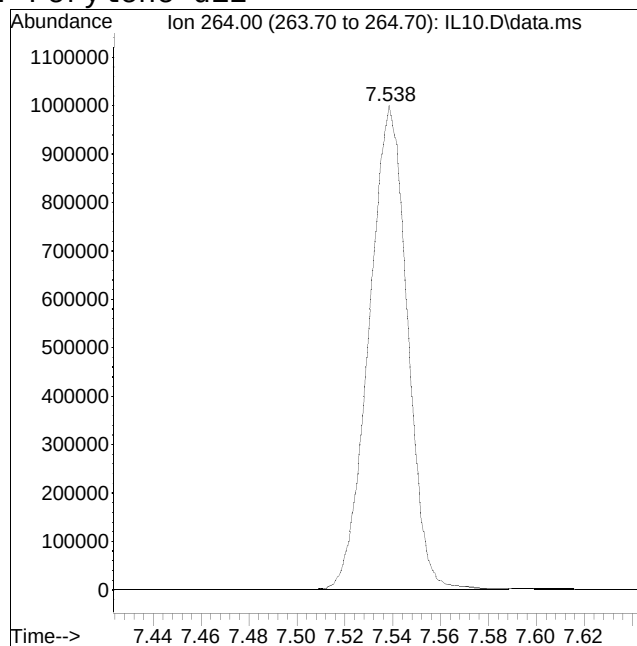
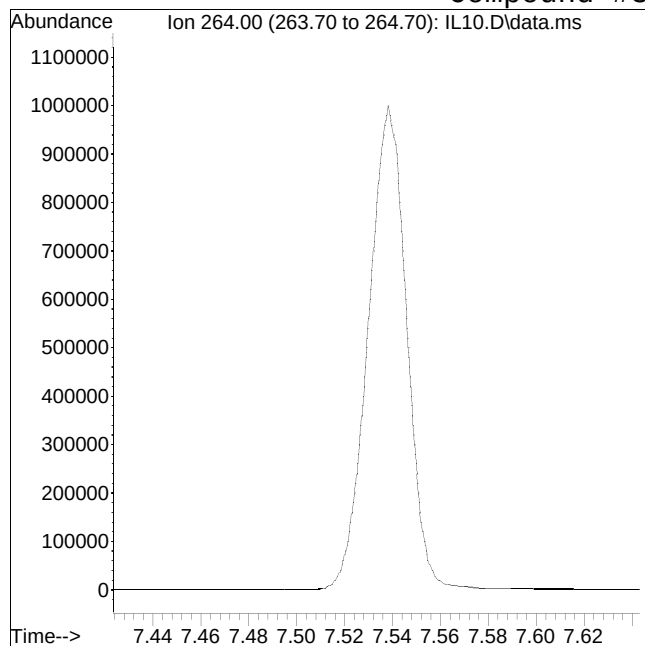


Manual Peak Response = 1213357 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #38: Perylene-d12



Original Peak Response = 0

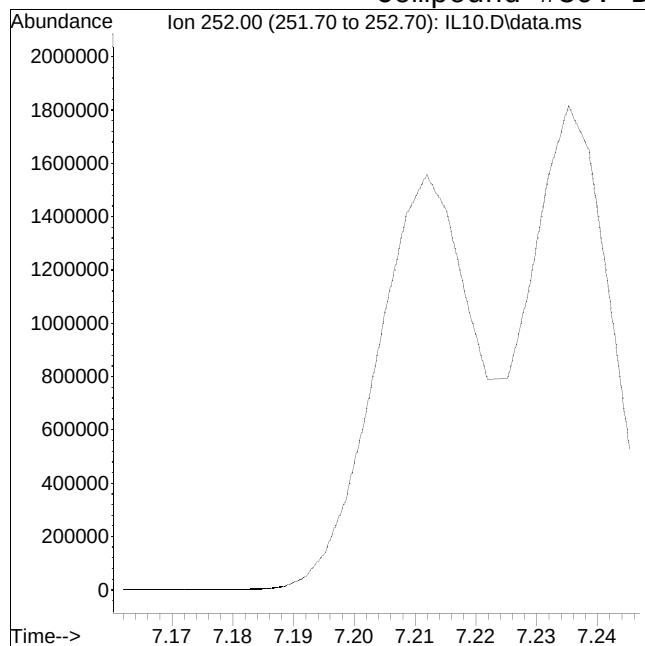
Manual Peak Response = 1117108 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

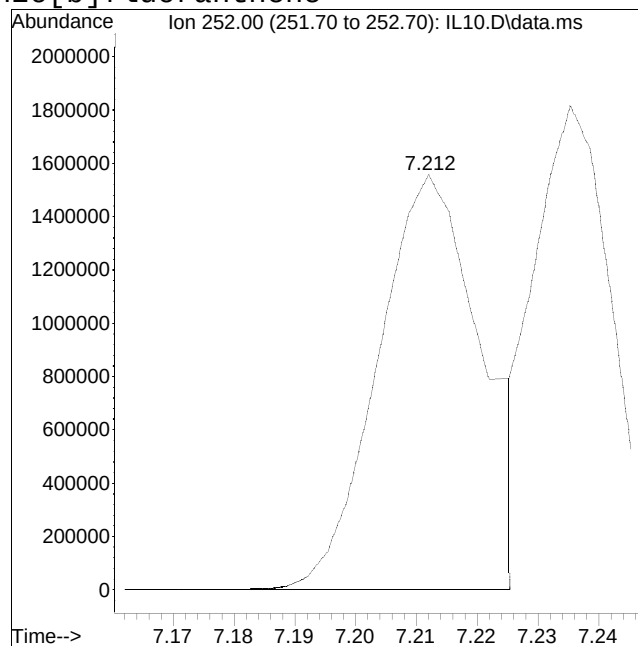
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #39: Benzo[b]fluoranthene



Original Peak Response = 0

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

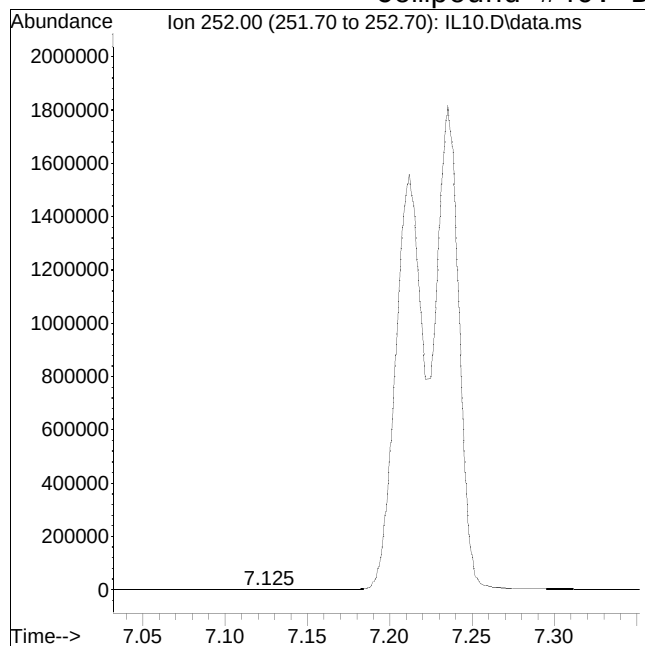


Manual Peak Response = 1858724 M6

Manual Integration Report

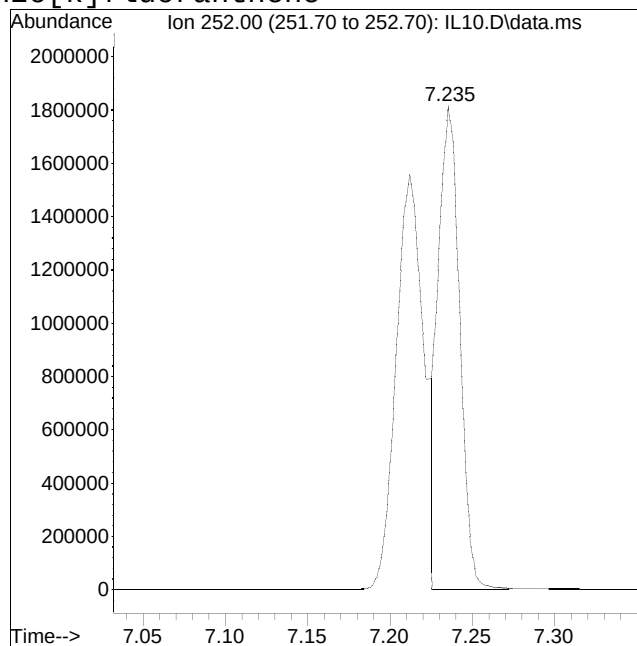
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:l jg
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 44

M4 = Poor automated baseline construction.

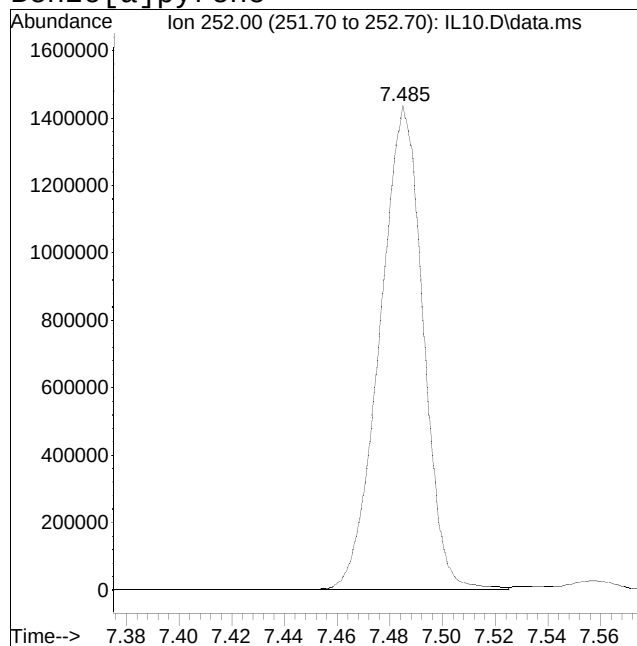
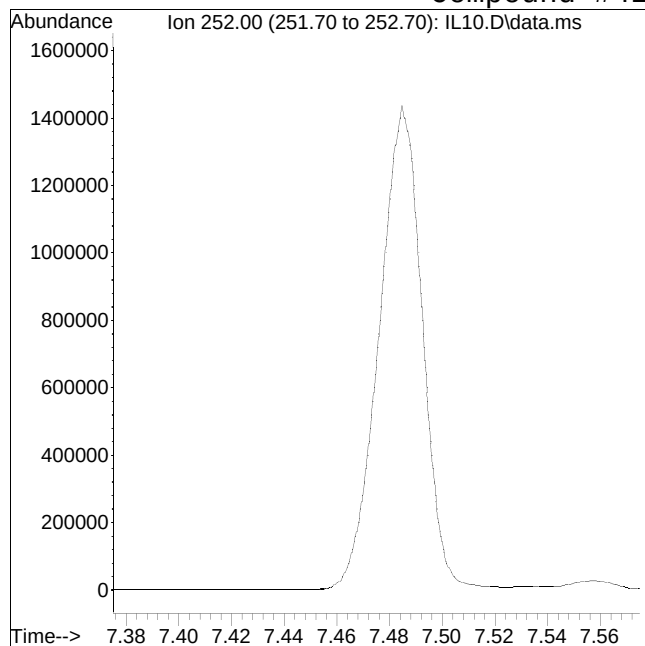


Manual Peak Response = 1615186 M4

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljpg
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #41: Benzo[a]pyrene



Original Peak Response = 0

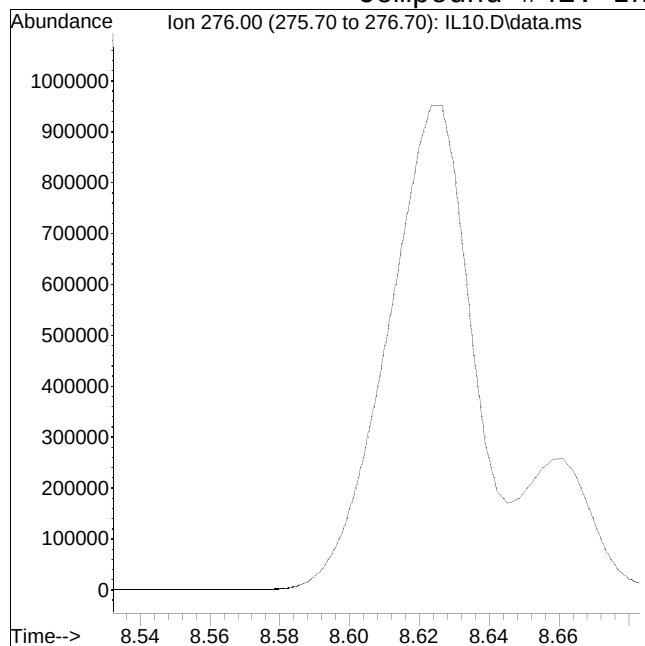
Manual Peak Response = 1639089 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

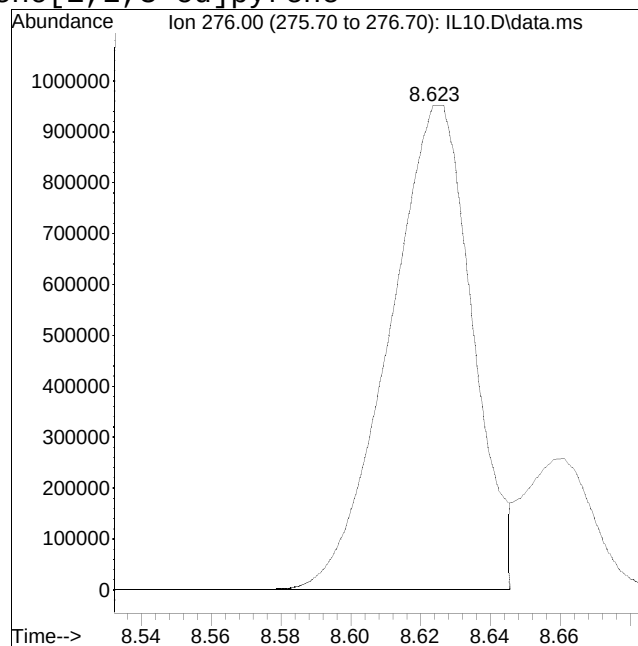
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:l jg
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 0

M4 = Poor automated baseline construction.

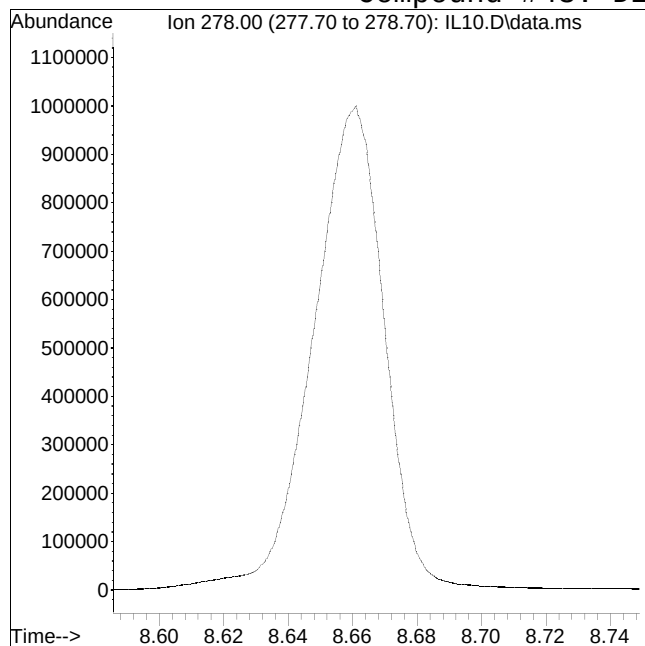


Manual Peak Response = 1576607 M4

Manual Integration Report

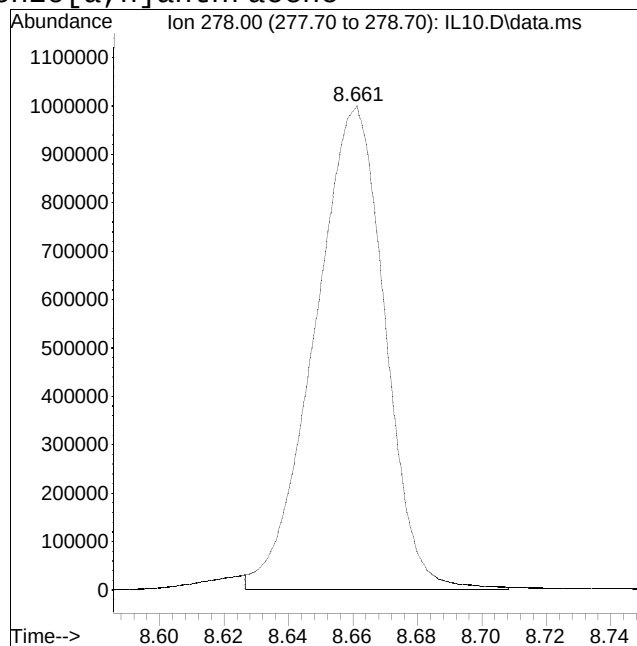
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:l jg
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 0

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

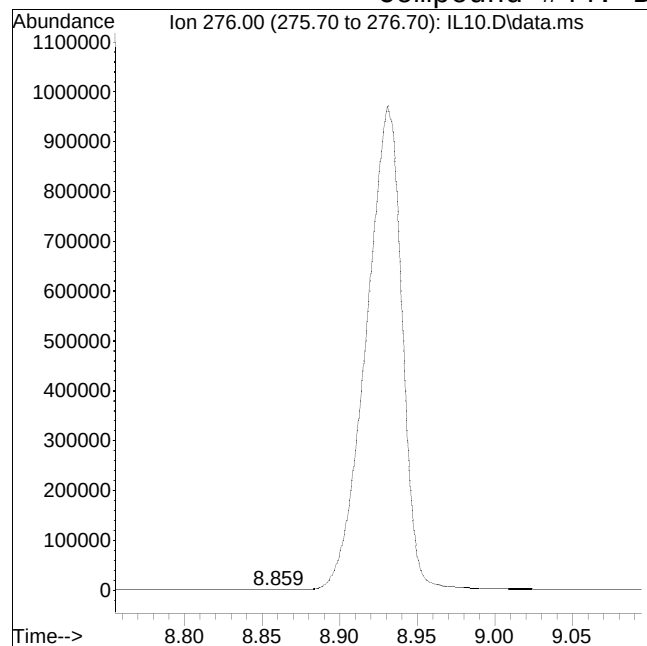


Manual Peak Response = 1503245 M6

Manual Integration Report

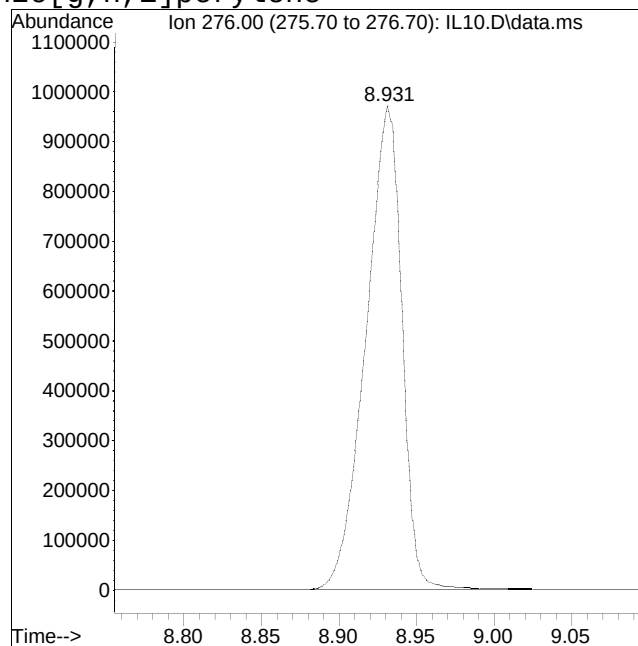
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:l jg
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #44: Benzo[g,h,i]perylene



Original Peak Response = 67

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 1565500 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL9.D
 Acq On : 08 Sep 2025 07:17 pm
 Operator : SV125:ljj
 Sample : IL9,32,,2.5 Lot# 11699
 Misc : WG2112310,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 14:37:57 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:48 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.310	152	288887	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery = 89.45%			
9) Naphthalene-d8	2.968	136	1136307	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery = 89.45%			
18) Acenaphthene-d10	3.938	164	645082	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery = 89.38%			
23) Phenanthrene-d10	4.772	188	1238713	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery = 88.83%			
33) Chrysene-d12	6.337	240	1022326	4000.000	ng/ml	0.01
Standard Area 1 = 1178823			Recovery = 86.72%			
38) Perylene-d12	7.411	264	1012857	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery = 88.55%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.725	112	189142	2651.385	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 132.57%#			
4) Phenol-d6	2.133	99	241095	2735.626	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 136.78%#			
8) Nitrobenzene-d5	2.591	82	193472	2749.081	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 274.91%#			
14) 2-Fluorobiphenyl	3.565	172	550028	2371.873	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 237.19%#			
22) 2,4,6-Tribromophenol	4.381	330	71220	2969.591	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 148.48%#			
32) 4-Terphenyl-d14	5.701	244	590444	2378.475	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 237.85%#			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.234	74	120110	2566.230	ng/mL	97
5) Bis(2-chloroethyl)ether	2.180	93	202555	2549.091	ng/ml	99
6) n-nitrosodi-n-propylamine	2.516	70	138605	2625.147	ng/ml	99
7) Hexachloroethane	2.566	117	89000	2455.380	ng/ml	100
10) Naphthalene	2.978	128	710184	2363.529	ng/ml	100
11) Hexachlorobutadiene	3.054	225	122041	2451.566	ng/ml	100
12) 2-Methylnaphthalene	3.358	142	440535	2512.046	ng/ml	99
13) 1-Methylnaphthalene	3.412	142	457867	2430.155	ng/ml	99
15) 2-Chloronaphthalene	3.626	162	492692	2503.306	ng/ml	100
16) 2,6-Dinitrotoluene	3.825	165	106270	2925.049	ng/ml	93
17) Acenaphthylene	3.855	152	814135	2616.364	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL9.D
 Acq On : 08 Sep 2025 07:17 pm
 Operator : SV125:ljb
 Sample : IL9,32,,2.5 Lot# 11699
 Misc : WG2112310,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 14:37:57 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:48 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.956	153	510262	2474.192	ng/ml	97
20)	2,4-Dinitrotoluene	4.051	165	142537	2587.182	ng/ml	96
21)	Fluorene	4.243	166	581938	2519.848	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.280	198	72019	2509.306	ng/ml	99
25)	Hexachlorobenzene	4.560	284	167415M6	2489.306	ng/ml	
26)	Pentachlorophenol	4.669	266	76658M6	2732.366	ng/ml	
27)	Phenanthrene	4.784	178	865687	2446.724	ng/ml	100
28)	Anthracene	4.814	178	844677	2502.509	ng/ml	99
29)	Fluoranthene	5.465	202	967381	2528.235	ng/ml	100
30)	Pyrene	5.598	202	982095	2500.736	ng/ml	100
31)	Benzydine	5.550	184	506261	2582.311	ng/mL	100
34)	Benzo[a]anthracene	6.329	226	254749	2591.606	ng/ml	98
35)	3,3'-Dichlorobenzidine	6.324	252	343542	2565.476	ng/ml	99
36)	Chrysene	6.351	228	847191	2609.609	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.375	149	528366	2593.893	ng/ml	100
39)	Benzo[b]fluoranthene	7.081	252	825251	2575.607	ng/ml	100
40)	Benzo[k]fluoranthene	7.104	252	858047	2642.749	ng/ml	99
41)	Benzo[a]pyrene	7.354	252	777887	2746.482	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.503	276	730713	2715.261	ng/ml	98
43)	Dibenzo[a,h]anthracene	8.541	278	703112M6	2635.116	ng/ml	
44)	Benzo[g,h,i]perylene	8.814	276	745744	2688.072	ng/ml	100

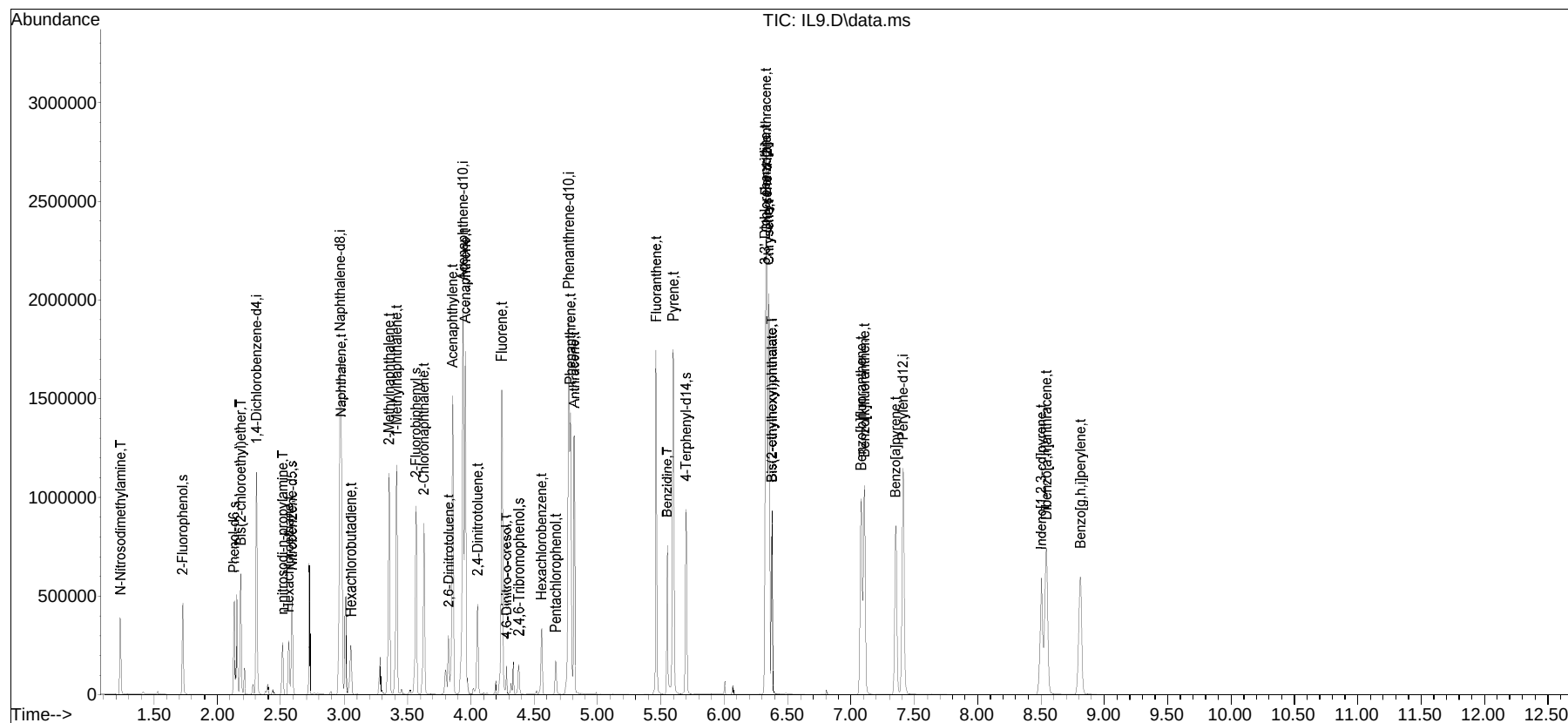
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL9.D
 Acq On : 08 Sep 2025 07:17 pm
 Operator : SV125:ljj
 Sample : IL9,32,,2.5 Lot# 11699
 Misc : WG2112310,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 14:37:57 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:48 2025
 Response via : Initial Calibration

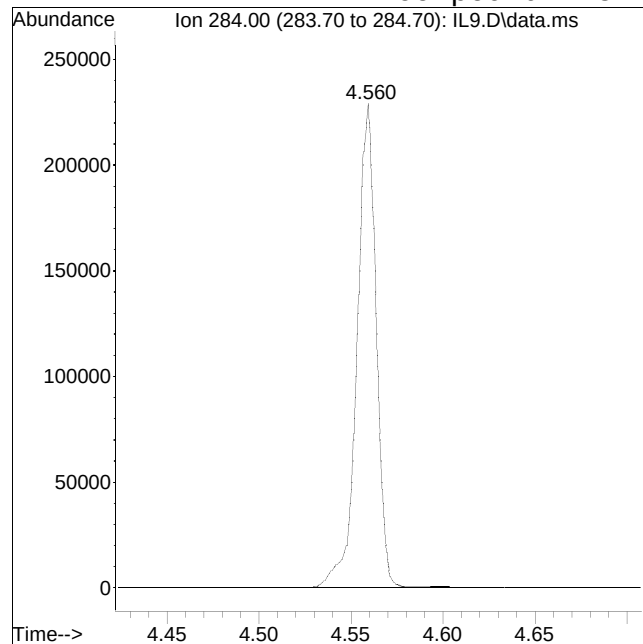
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

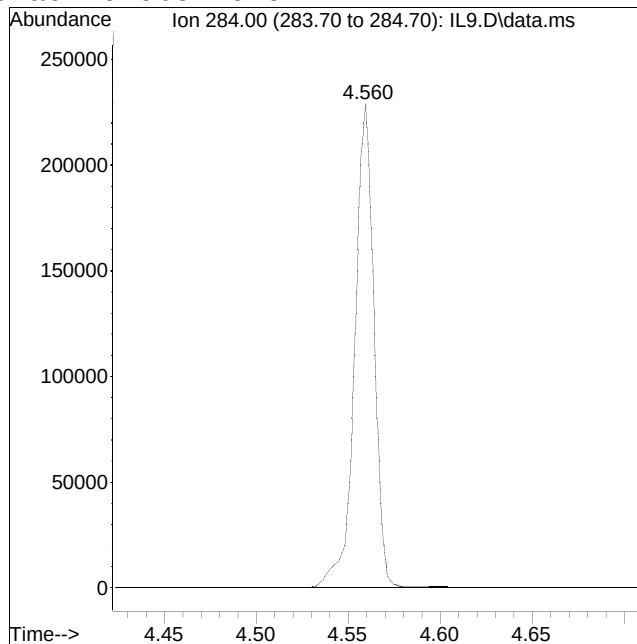
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL9.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 7:17 pm Instrument : SV125
Sample : IL9,32,,2.5 Lot# 11699 Quant Date : 9/9/2025 2:38 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 190450

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

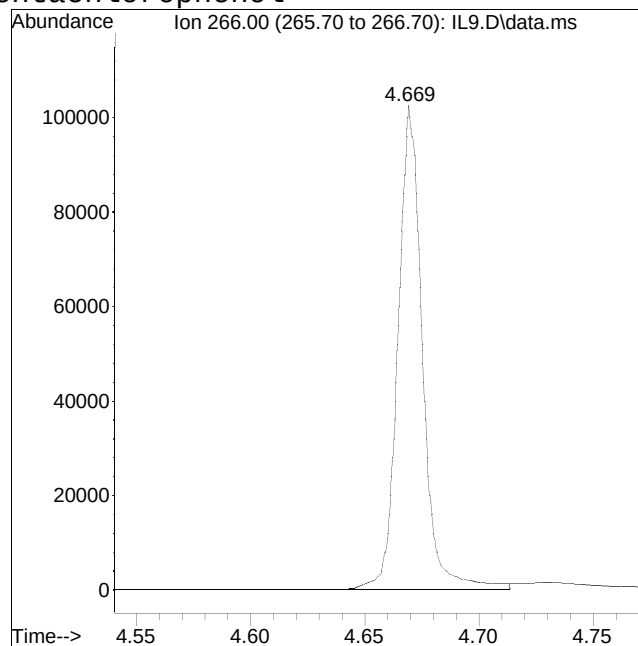
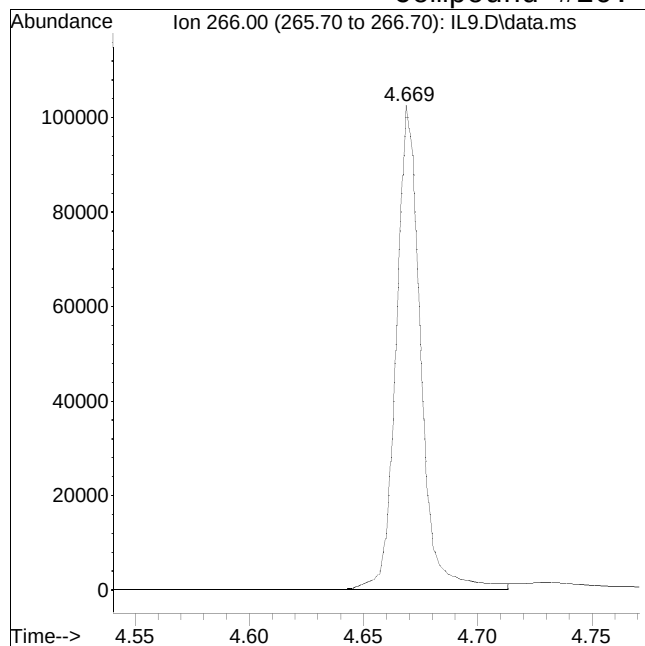


Manual Peak Response = 167415 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL9.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 7:17 pm Instrument : SV125
Sample : IL9,32,,2.5 Lot# 11699 Quant Date : 9/9/2025 2:38 pm

Compound #26: Pentachlorophenol



Original Peak Response = 76700

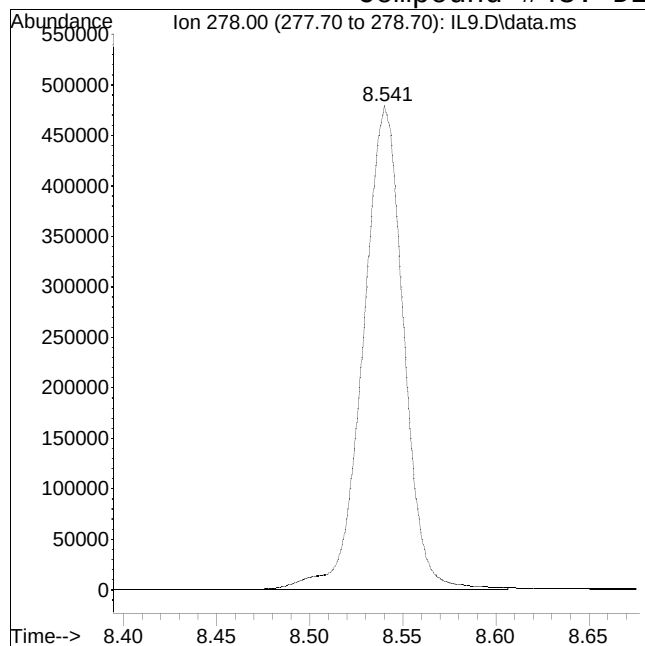
Manual Peak Response = 76658 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

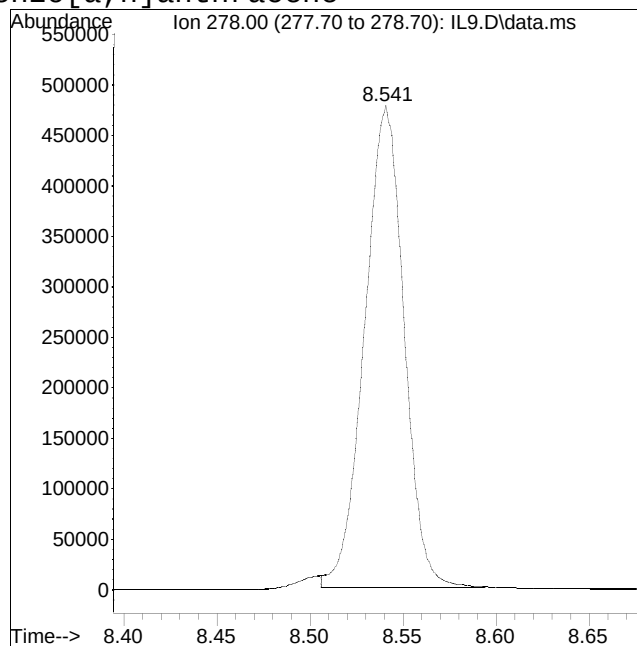
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL9.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 7:17 pm Instrument : SV125
Sample : IL9,32,,2.5 Lot# 11699 Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 728165

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 703112 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL8.D
 Acq On : 08 Sep 2025 07:34 pm
 Operator : SV125:ljb
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2112310,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 14:37:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.315	152	322973	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	100.00%	
9) Naphthalene-d8	2.973	136	1270390	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	100.00%	
18) Acenaphthene-d10	3.943	164	721721	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	100.00%	
23) Phenanthrene-d10	4.774	188	1394496	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	100.00%	
33) Chrysene-d12	6.325	240	1178823	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	100.00%	
38) Perylene-d12	7.401	264	1143832	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	100.00%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.728	112	85436	1071.242	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	53.56%	
4) Phenol-d6	2.135	99	105715	1072.919	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	53.65%	
8) Nitrobenzene-d5	2.593	82	85328	1084.483	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	108.45%	
14) 2-Fluorobiphenyl	3.570	172	252811	975.127	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	97.51%	
22) 2,4,6-Tribromophenol	4.382	330	30727	1145.145	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	57.26%	
32) 4-Terphenyl-d14	5.697	244	270694	968.617	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	96.86%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.237	74	53612	1024.567	ng/mL	100
5) Bis(2-chloroethyl)ether	2.185	93	91795	1033.292	ng/ml	100
6) n-nitrosodi-n-propylamine	2.518	70	60199	1019.825	ng/ml	100
7) Hexachloroethane	2.571	117	40117	989.963	ng/ml	100
10) Naphthalene	2.983	128	320031	952.666	ng/ml	100
11) Hexachlorobutadiene	3.059	225	55334	994.234	ng/ml	100
12) 2-Methylnaphthalene	3.362	142	197087	1005.226	ng/ml	100
13) 1-Methylnaphthalene	3.417	142	207136	983.352	ng/ml	100
15) 2-Chloronaphthalene	3.631	162	218566	993.298	ng/ml	100
16) 2,6-Dinitrotoluene	3.827	165	42907	1056.353	ng/ml	100
17) Acenaphthylene	3.860	152	362314	1041.467	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL8.D
 Acq On : 08 Sep 2025 07:34 pm
 Operator : SV125:ljj
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2112310,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 14:37:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.958	153	227989	988.097	ng/ml	100
20)	2,4-Dinitrotoluene	4.052	165	58418	961.336	ng/ml	100
21)	Fluorene	4.248	166	260096	1006.646	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.279	198	28771	913.011	ng/ml	100
25)	Hexachlorobenzene	4.561	284	75801	1001.180	ng/ml	100
26)	Pentachlorophenol	4.674	266	23993	965.360	ng/ml	100
27)	Phenanthrene	4.786	178	392866	986.329	ng/ml	100
28)	Anthracene	4.816	178	383338	1008.835	ng/ml	100
29)	Fluoranthene	5.463	202	430456	999.314	ng/ml	100
30)	Pyrene	5.594	202	450643	1019.296	ng/ml	100
31)	Benzydine	5.549	184	140999	852.385	ng/mL	100
34)	Benzo[a]anthracene	6.317	226	113005	995.753	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.311	252	145417	956.649	ng/ml	100
36)	Chrysene	6.339	228	388872	1038.823	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.363	149	208612	962.710	ng/ml	100
39)	Benzo[b]fluoranthene	7.068	252	360403	996.019	ng/ml	100
40)	Benzo[k]fluoranthene	7.091	252	387110	1055.760	ng/ml	100
41)	Benzo[a]pyrene	7.344	252	337538	1055.283	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.494	276	319931	1052.706	ng/ml	100
43)	Dibenzo[a,h]anthracene	8.528	278	311726M6	1034.509	ng/ml	
44)	Benzo[g,h,i]perylene	8.798	276	324900	1037.019	ng/ml	100

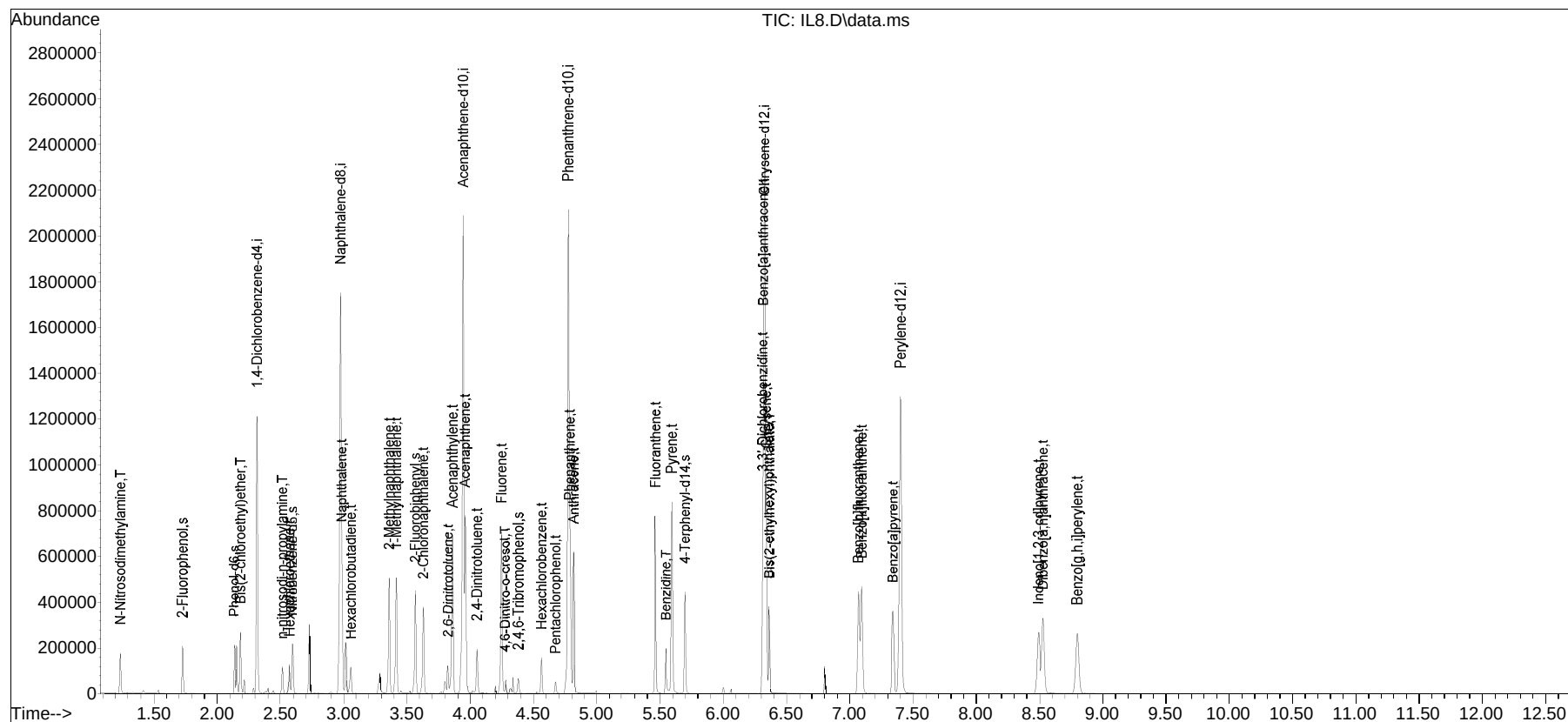
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL8.D
 Acq On : 08 Sep 2025 07:34 pm
 Operator : SV125:ljj
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2112310,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 14:37:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:21 2025
 Response via : Initial Calibration

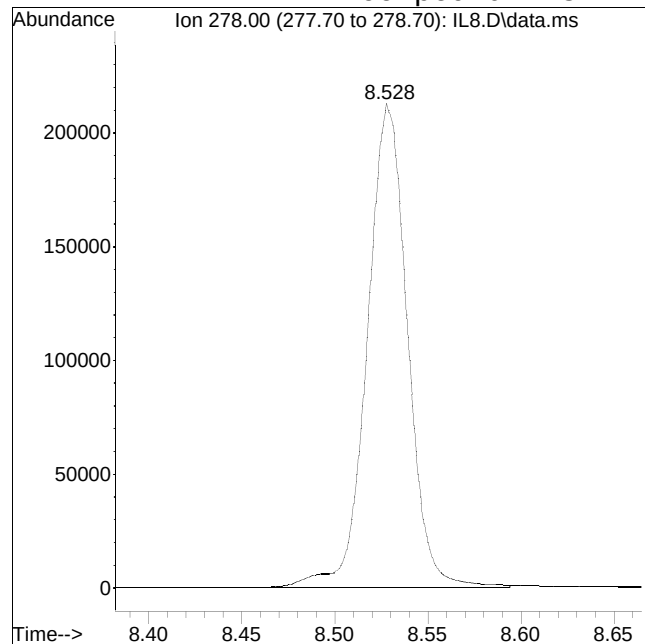
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

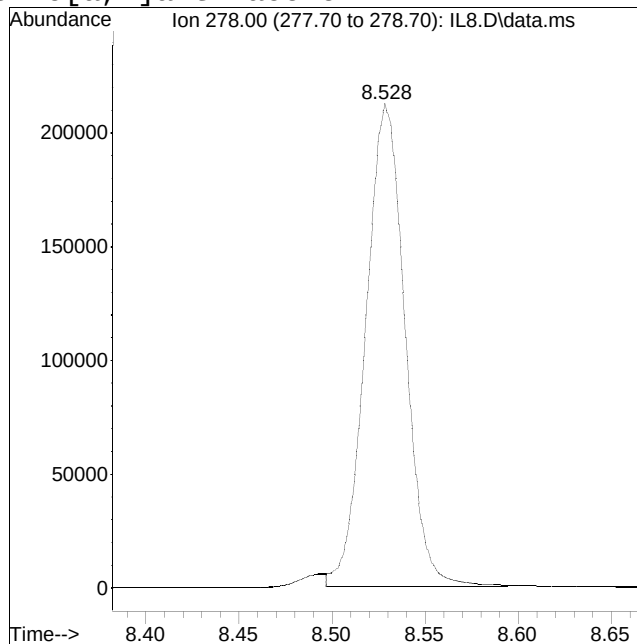
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL8.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 7:34 pm Instrument : SV125
Sample : IL8,32,,1 Lot# 11700 Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 320655

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 311726 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL7.D
 Acq On : 08 Sep 2025 07:51 pm
 Operator : SV125:ljl
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2112310,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 14:37:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	362302	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	112.18%	
9) Naphthalene-d8	2.975	136	1427882	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	112.40%	
18) Acenaphthene-d10	3.944	164	806411	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	111.73%	
23) Phenanthrene-d10	4.775	188	1596200	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	114.46%	
33) Chrysene-d12	6.321	240	1398262	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	118.62%	
38) Perylene-d12	7.399	264	1366471	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	119.46%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	47708	533.253	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	26.66%	
4) Phenol-d6	2.139	99	59814	541.164	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	27.06%	
8) Nitrobenzene-d5	2.596	82	47952	543.292	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	54.33%	
14) 2-Fluorobiphenyl	3.571	172	148362	509.135	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	50.91%	
22) 2,4,6-Tribromophenol	4.384	330	17499	583.669	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	29.18%	
32) 4-Terphenyl-d14	5.695	244	165461	517.248	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	51.72%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.240	74	30696	522.944	ng/mL	97
5) Bis(2-chloroethyl)ether	2.186	93	52459	526.405	ng/ml	100
6) n-nitrosodi-n-propylamine	2.522	70	34065	514.447	ng/ml	100
7) Hexachloroethane	2.571	117	22928	504.373	ng/ml	100
10) Naphthalene	2.984	128	184492	488.620	ng/ml	100
11) Hexachlorobutadiene	3.061	225	31690	506.598	ng/ml	99
12) 2-Methylnaphthalene	3.364	142	112023	508.344	ng/ml	99
13) 1-Methylnaphthalene	3.419	142	119872	506.309	ng/ml	100
15) 2-Chloronaphthalene	3.632	162	125279	506.547	ng/ml	100
16) 2,6-Dinitrotoluene	3.828	165	23772	520.705	ng/ml	98
17) Acenaphthylene	3.862	152	208349	532.840	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL7.D
 Acq On : 08 Sep 2025 07:51 pm
 Operator : SV125:ljb
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2112310,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 14:37:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.959	153	132079	512.310	ng/ml	100
20)	2,4-Dinitrotoluene	4.054	165	31417	473.831	ng/ml	96
21)	Fluorene	4.250	166	151397	524.413	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.280	198	15219	440.727	ng/ml	99
25)	Hexachlorobenzene	4.563	284	44683M6	515.596	ng/ml	
26)	Pentachlorophenol	4.675	266	9674	382.367	ng/ml	99
27)	Phenanthrene	4.787	178	231245	507.201	ng/ml	100
28)	Anthracene	4.817	178	226968	521.835	ng/ml	100
29)	Fluoranthene	5.465	202	257694	522.646	ng/ml	100
30)	Pyrene	5.595	202	268034	529.648	ng/ml	100
31)	Benizidine	5.550	184	28485	384.085	ng/mL	99
34)	Benzo[a]anthracene	6.313	226	68400	507.133	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.307	252	83648	476.041	ng/ml#	98
36)	Chrysene	6.334	228	242250	545.580	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.359	149	117871	478.096	ng/ml	99
39)	Benzo[b]fluoranthene	7.066	252	229649	531.258	ng/ml	95
40)	Benzo[k]fluoranthene	7.086	252	227344	519.010	ng/ml	95
41)	Benzo[a]pyrene	7.339	252	204438	535.019	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.488	276	190325	524.214	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.523	278	191064M6	530.764	ng/ml	
44)	Benzo[g,h,i]perylene	8.796	276	196772	525.729	ng/ml	100

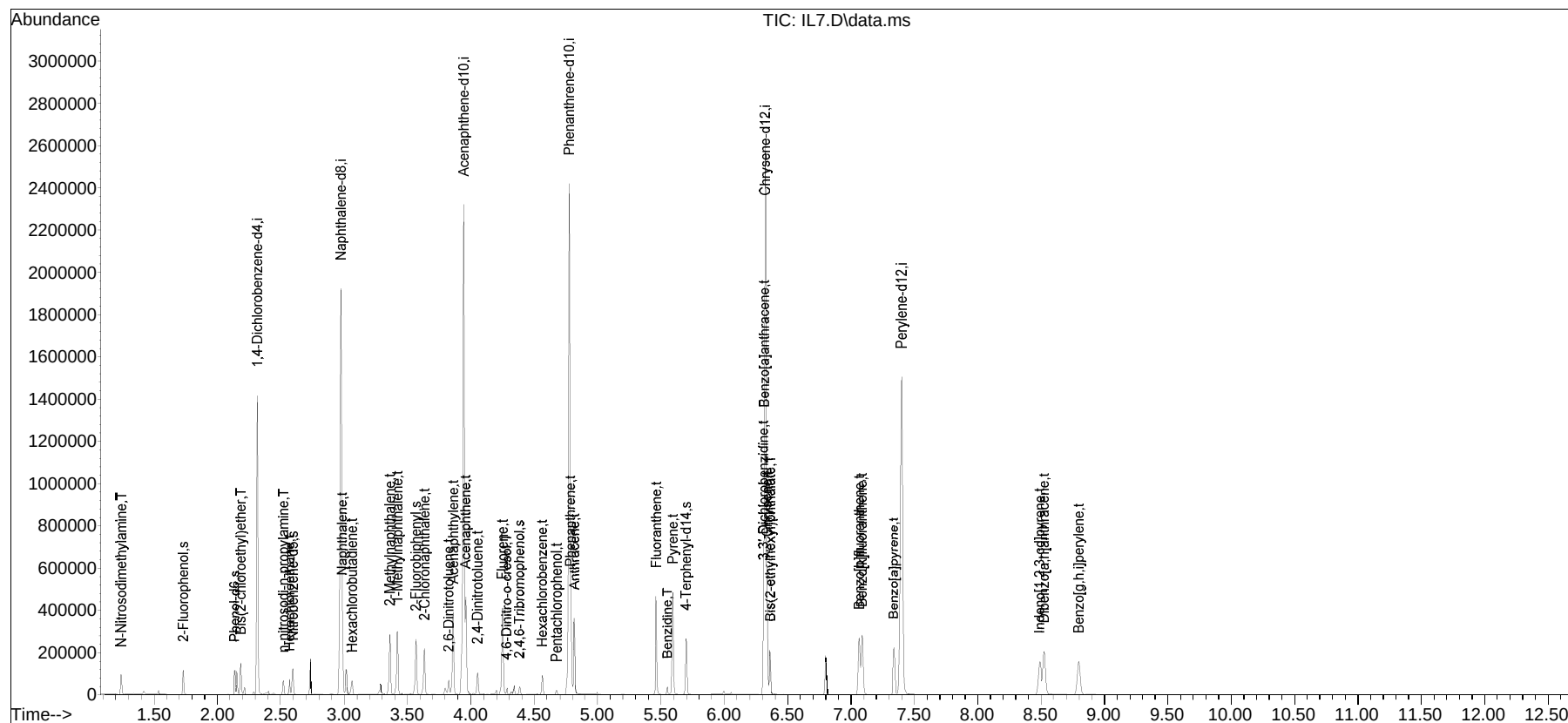
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL7.D
 Acq On : 08 Sep 2025 07:51 pm
 Operator : SV125:ljj
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2112310,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 14:37:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:14 2025
 Response via : Initial Calibration

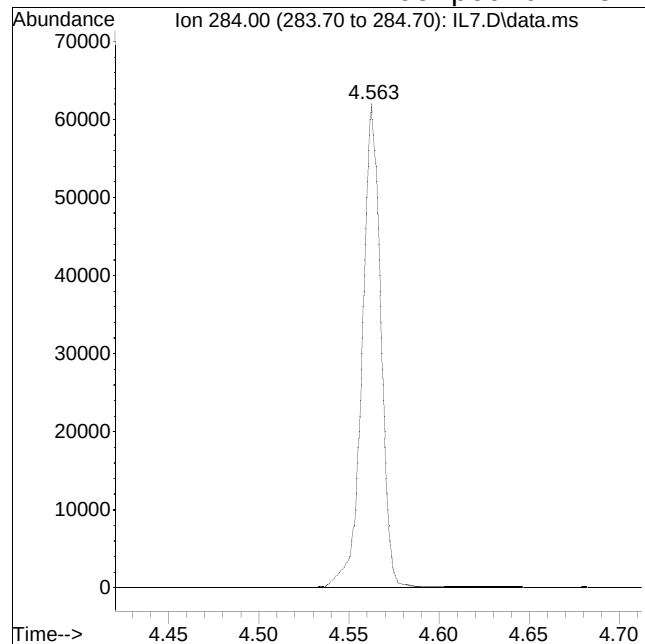
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

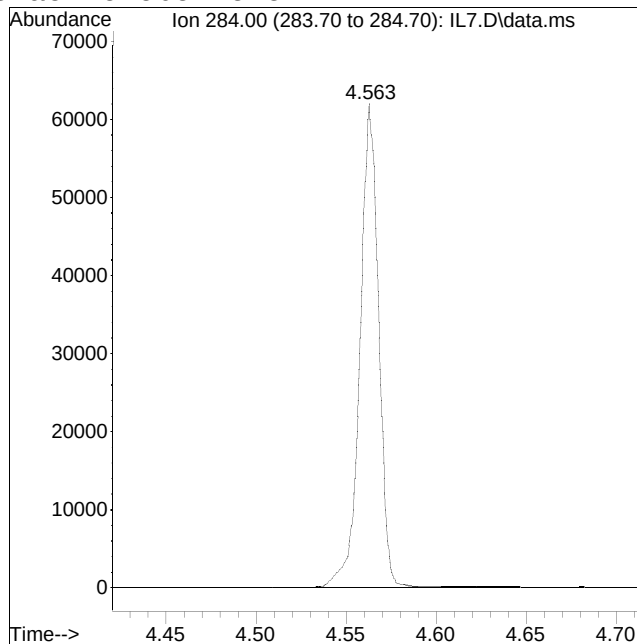
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL7.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 7:51 pm Instrument : SV125
Sample : IL7,32,,0.5 Lot# 11701 Quant Date : 9/9/2025 2:38 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 51019

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

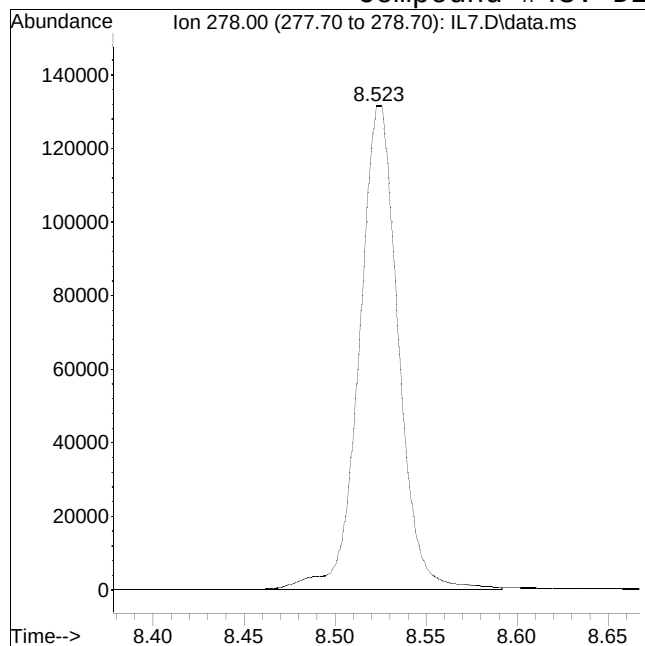


Manual Peak Response = 44683 M6

Manual Integration Report

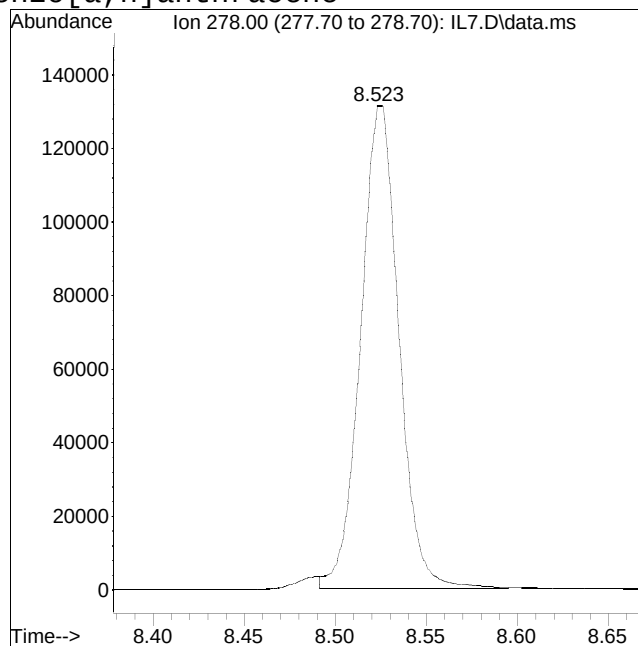
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL7.D Operator : SV125:ljpg
Date Inj'd : 9/8/2025 7:51 pm Instrument : SV125
Sample : IL7,32,,0.5 Lot# 11701 Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 196202

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 191064 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL6.D
 Acq On : 08 Sep 2025 08:07 pm
 Operator : SV125:ljj
 Sample : IL6,32,,0.1 Lot# 11702
 Misc : WG2112310,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 14:37:18 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	354143	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	109.65%	
9) Naphthalene-d8	2.974	136	1379638	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	108.60%	
18) Acenaphthene-d10	3.943	164	777509	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	107.73%	
23) Phenanthrene-d10	4.775	188	1537214	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	110.23%	
33) Chrysene-d12	6.320	240	1360183	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	115.38%	
38) Perylene-d12	7.395	264	1285896	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	112.42%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	8804	100.673	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	5.03%#	
4) Phenol-d6	2.139	99	10803	99.991	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	5.00%#	
8) Nitrobenzene-d5	2.596	82	8609	99.786	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	9.98%#	
14) 2-Fluorobiphenyl	3.570	172	28625	101.668	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	10.17%#	
22) 2,4,6-Tribromophenol	4.386	330	2815	97.383	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	4.87%#	
32) 4-Terphenyl-d14	5.695	244	30578	99.258	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	9.93%#	
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.246	74	5710	99.518	ng/mL	97
5) Bis(2-chloroethyl)ether	2.188	93	9480M6	97.320	ng/ml	
6) n-nitrosodi-n-propylamine	2.524	70	6146	94.955	ng/ml	99
7) Hexachloroethane	2.574	117	4337	97.604	ng/ml	100
10) Naphthalene	2.984	128	35545	97.431	ng/ml	100
11) Hexachlorobutadiene	3.060	225	6092	100.793	ng/ml	100
12) 2-Methylnaphthalene	3.363	142	20886	98.092	ng/ml	100
13) 1-Methylnaphthalene	3.418	142	23108	101.015	ng/ml	97
15) 2-Chloronaphthalene	3.631	162	23945	100.204	ng/ml	100
16) 2,6-Dinitrotoluene	3.827	165	3726	84.469	ng/ml	96
17) Acenaphthylene	3.861	152	37194	98.448	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL6.D
 Acq On : 08 Sep 2025 08:07 pm
 Operator : SV125:ljj
 Sample : IL6,32,,0.1 Lot# 11702
 Misc : WG2112310,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 14:37:18 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.962	153	25100	100.977	ng/ml	93
20)	2,4-Dinitrotoluene	4.053	165	4520	88.952	ng/ml#	82
21)	Fluorene	4.249	166	27702	99.522	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.283	198	1966	89.383	ng/ml	95
25)	Hexachlorobenzene	4.562	284	8419	100.874	ng/ml	99
26)	Pentachlorophenol	4.677	266	674	45.762	ng/ml	98
27)	Phenanthrene	4.787	178	43975	100.154	ng/ml	95
28)	Anthracene	4.816	178	41443	98.940	ng/ml	100
29)	Fluoranthene	5.464	202	46778	98.514	ng/ml	99
30)	Pyrene	5.594	202	48279	99.062	ng/ml	99
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.312	226	12760	95.617	ng/ml	93
35)	3,3'-Dichlorobenzidine	6.304	252	11788	89.069	ng/ml#	90
36)	Chrysene	6.334	228	45708	105.823	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.356	149	17131	88.706	ng/ml	100
39)	Benzo[b]fluoranthene	7.062	252	39139	96.216	ng/ml	95
40)	Benzo[k]fluoranthene	7.085	252	41235	100.035	ng/ml	96
41)	Benzo[a]pyrene	7.335	252	34972	97.257	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.485	276	32167	94.149	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.523	278	32637M6	96.345	ng/ml	
44)	Benzo[g,h,i]perylene	8.790	276	34327	97.461	ng/ml	99

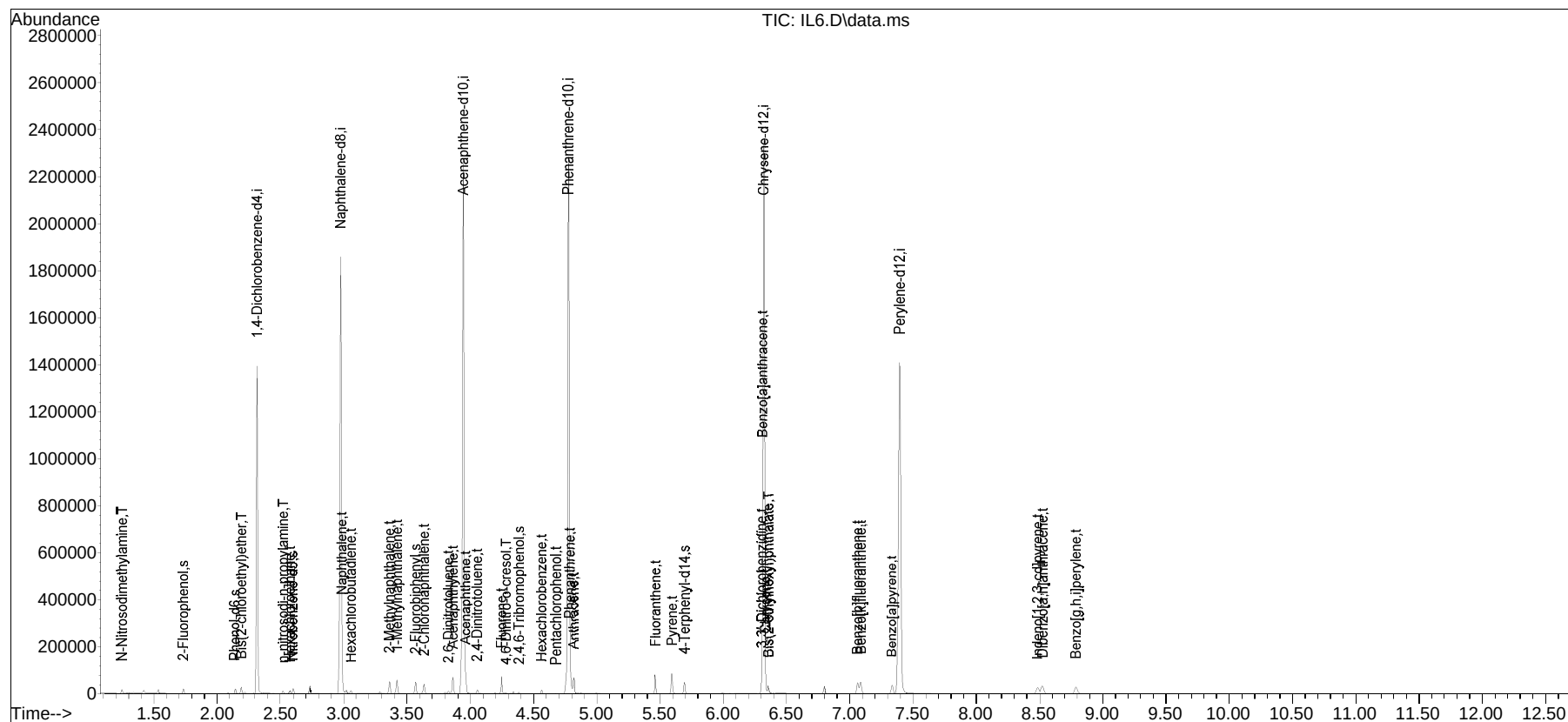
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL6.D
 Acq On : 08 Sep 2025 08:07 pm
 Operator : SV125:ljj
 Sample : IL6,32,,0.1 Lot# 11702
 Misc : WG2112310,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 14:37:18 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:09 2025
 Response via : Initial Calibration

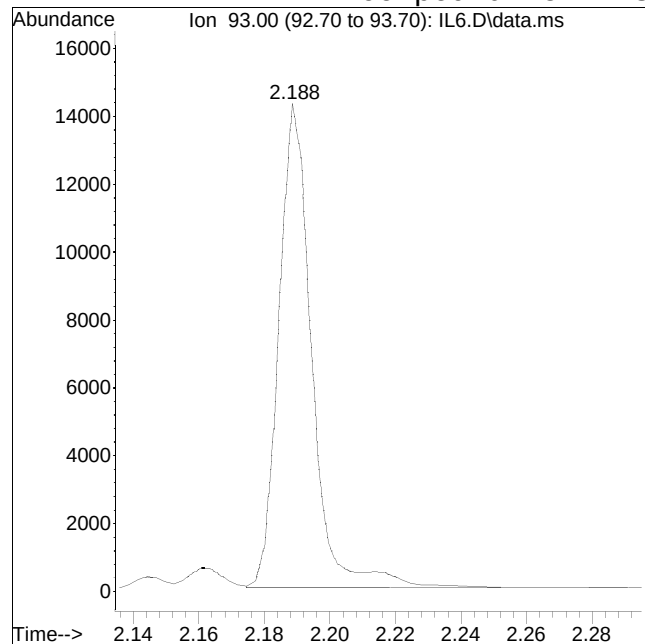
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

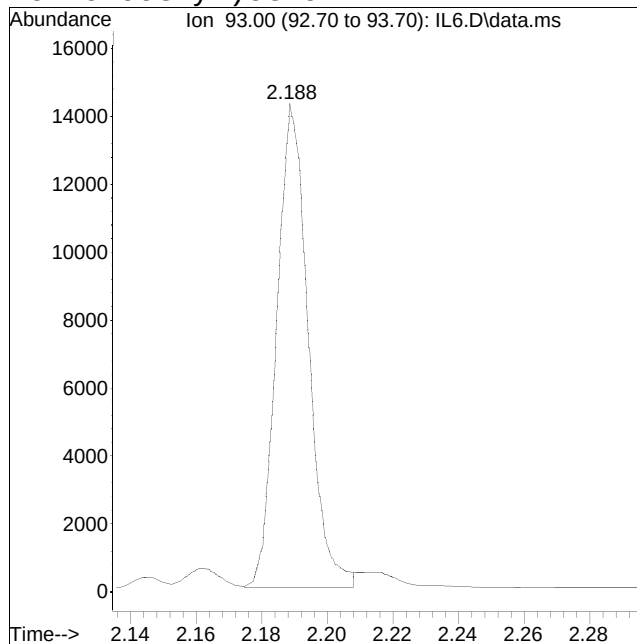
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL6.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 8:07 pm Instrument : SV125
Sample : IL6,32,,0.1 Lot# 11702 Quant Date : 9/9/2025 2:38 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 9955

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

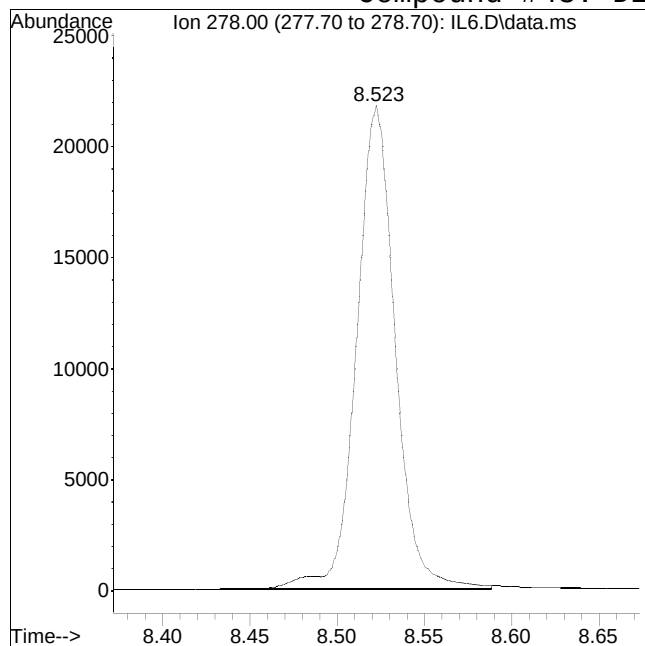


Manual Peak Response = 9480 M6

Manual Integration Report

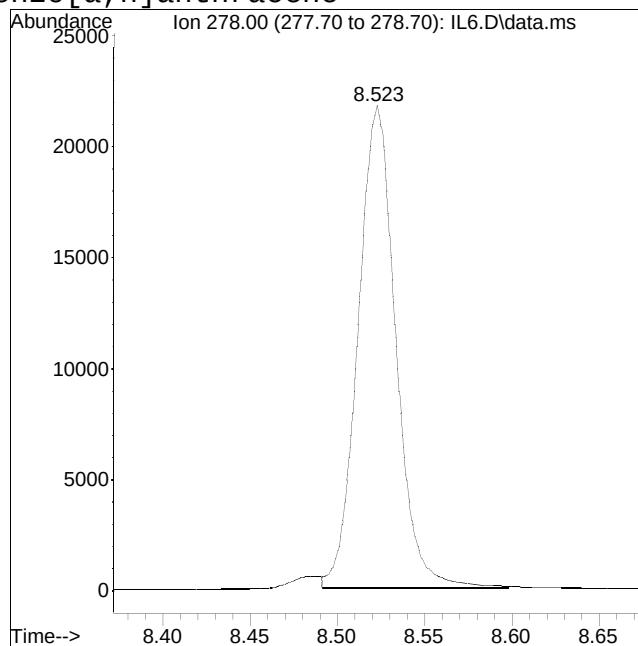
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL6.D Operator : SV125:ljpg
Date Inj'd : 9/8/2025 8:07 pm Instrument : SV125
Sample : IL6,32,,0.1 Lot# 11702 Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 33549

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 32637 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL5.D
 Acq On : 08 Sep 2025 08:24 pm
 Operator : SV125:ljj
 Sample : IL5,32,,0.04 Lot# 11703
 Misc : WG2112310,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 14:46:41 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:02 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	464623	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery = 143.86%			
9) Naphthalene-d8	2.973	136	1819490	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery = 143.22%			
18) Acenaphthene-d10	3.943	164	1030601	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery = 142.80%			
23) Phenanthrene-d10	4.777	188	2026553	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery = 145.33%			
33) Chrysene-d12	6.320	240	1783810	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery = 151.32%			
38) Perylene-d12	7.397	264	1688526	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery = 147.62%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	4459	38.864	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.94%#			
4) Phenol-d6	2.139	99	5655	39.896	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.99%#			
8) Nitrobenzene-d5	2.596	82	4465	39.447	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.94%#			
14) 2-Fluorobiphenyl	3.573	172	15286	41.167	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.12%#			
22) 2,4,6-Tribromophenol	4.386	330	1360	35.494	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.77%#			
32) 4-Terphenyl-d14	5.697	244	16370	40.307	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.03%#			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.250	74	2966M4	39.402	ng/mL	
5) Bis(2-chloroethyl)ether	2.189	93	5105M6	39.945	ng/ml	
6) n-nitrosodi-n-propylamine	2.524	70	3257	38.355	ng/ml	99
7) Hexachloroethane	2.574	117	2311	39.642	ng/ml	99
10) Naphthalene	2.986	128	19016	39.523	ng/ml	99
11) Hexachlorobutadiene	3.059	225	3213	40.308	ng/ml	100
12) 2-Methylnaphthalene	3.365	142	11088	39.486	ng/ml	99
13) 1-Methylnaphthalene	3.417	142	12321	40.840	ng/ml	97
15) 2-Chloronaphthalene	3.634	162	12734	40.406	ng/ml	100
16) 2,6-Dinitrotoluene	3.830	165	1872	32.179	ng/ml	98
17) Acenaphthylene	3.860	152	19582	39.301	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL5.D
 Acq On : 08 Sep 2025 08:24 pm
 Operator : SV125:ljb
 Sample : IL5,32,,0.04 Lot# 11703
 Misc : WG2112310,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 14:46:41 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:02 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.961	153	13442	40.797	ng/ml	89
20)	2,4-Dinitrotoluene	4.056	165	2251	46.809	ng/ml	86
21)	Fluorene	4.248	166	14590	39.544	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.282	198	775	51.229	ng/ml	97
25)	Hexachlorobenzene	4.564	284	4507M6	40.962	ng/ml	
26)	Pentachlorophenol	4.677	266	151	22.667	ng/ml	90
27)	Phenanthrene	4.789	178	24389	42.134	ng/ml#	87
28)	Anthracene	4.816	178	22133	40.081	ng/ml	100
29)	Fluoranthene	5.464	202	24790	39.601	ng/ml	100
30)	Pyrene	5.594	202	25541	39.753	ng/ml	100
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.314	226	6794M6	37.617	ng/ml	
35)	3,3'-Dichlorobenzidine	6.306	252	5522	46.929	ng/ml#	71
36)	Chrysene	6.333	228	23314	41.158	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.355	149	8870	46.513	ng/ml	100
39)	Benzo[b]fluoranthene	7.061	252	20170	37.761	ng/ml	95
40)	Benzo[k]fluoranthene	7.084	252	21387	39.513	ng/ml	95
41)	Benzo[a]pyrene	7.337	252	17958	38.033	ng/ml	99
42)	Indeno[1,2,3-cd]pyrene	8.487	276	16550	36.890	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.522	278	16550M1	37.206	ng/ml	
44)	Benzo[g,h,i]perylene	8.792	276	17367	37.551	ng/ml	100

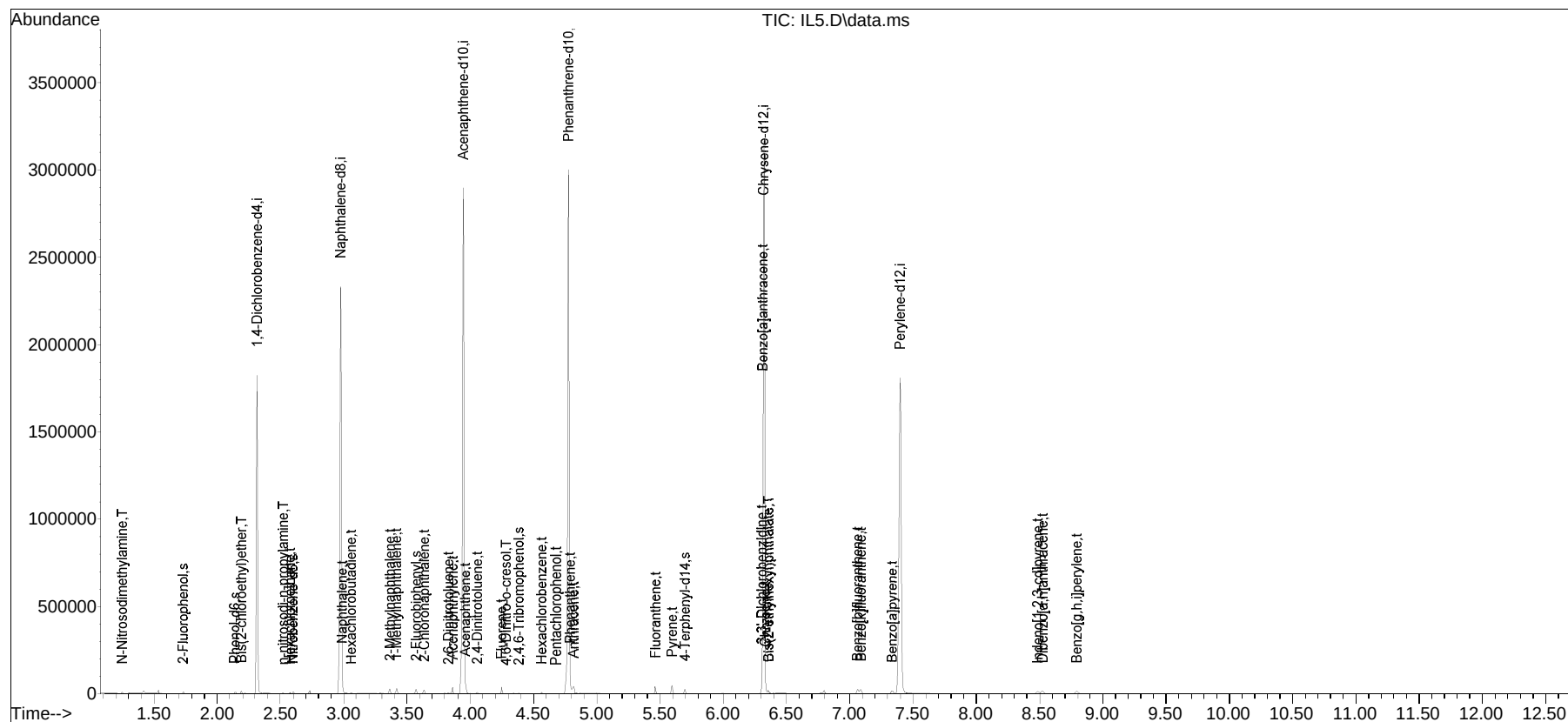
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL5.D
 Acq On : 08 Sep 2025 08:24 pm
 Operator : SV125:ljj
 Sample : IL5,32,,0.04 Lot# 11703
 Misc : WG2112310,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 14:46:41 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:02 2025
 Response via : Initial Calibration

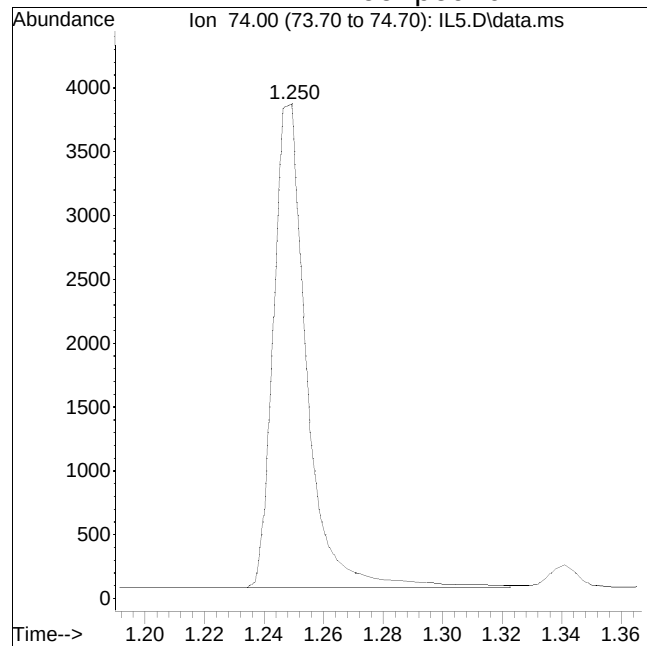
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

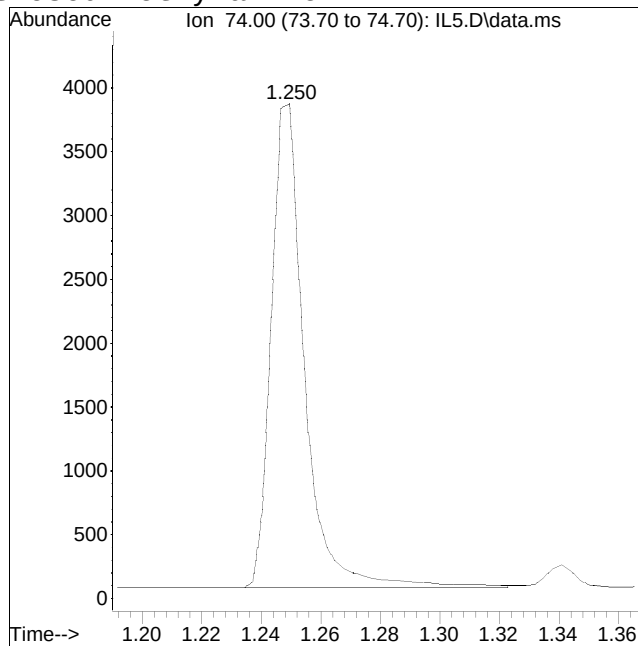
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL5.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 8:24 pm Instrument : SV125
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 9/9/2025 2:38 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 2966

M4 = Poor automated baseline construction.

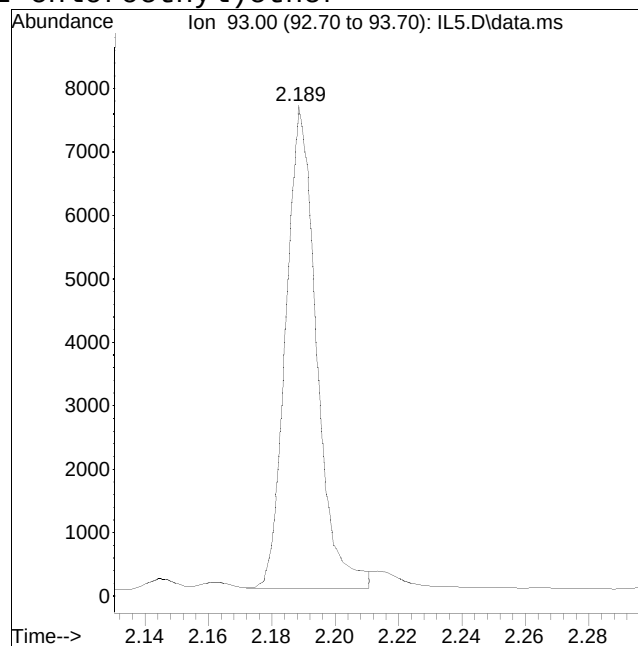
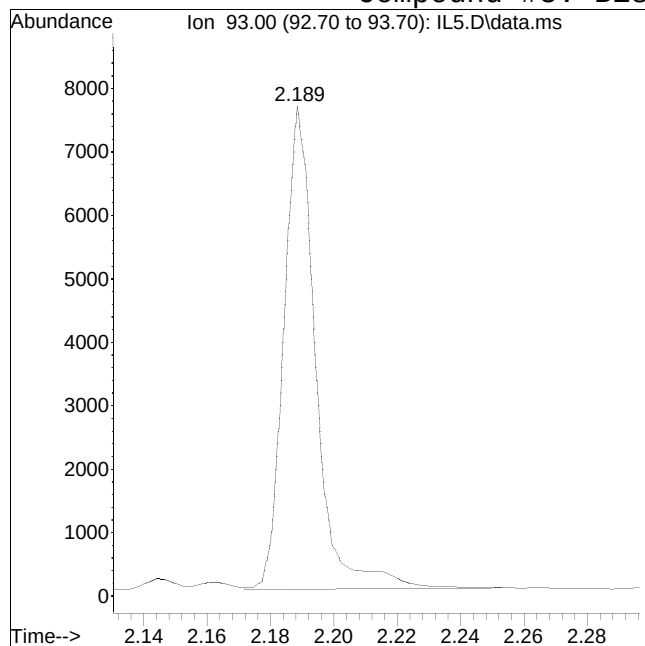


Manual Peak Response = 2966 M4

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL5.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 8:24 pm Instrument : SV125
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 9/9/2025 2:38 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 5322

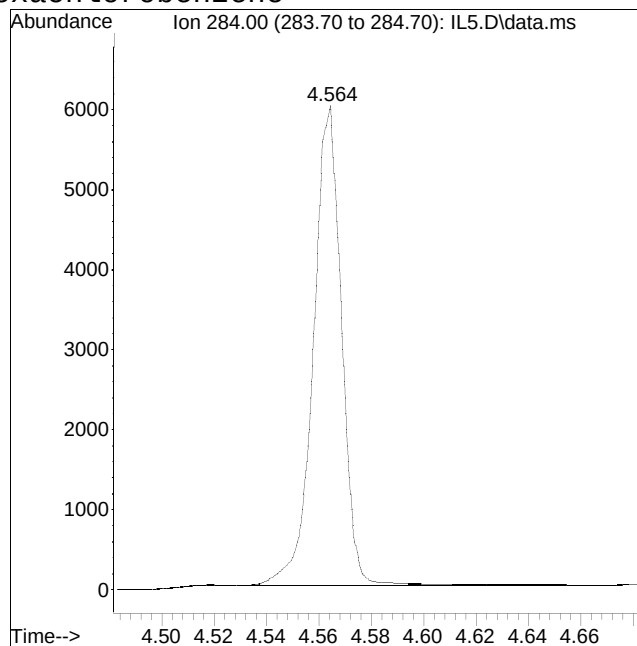
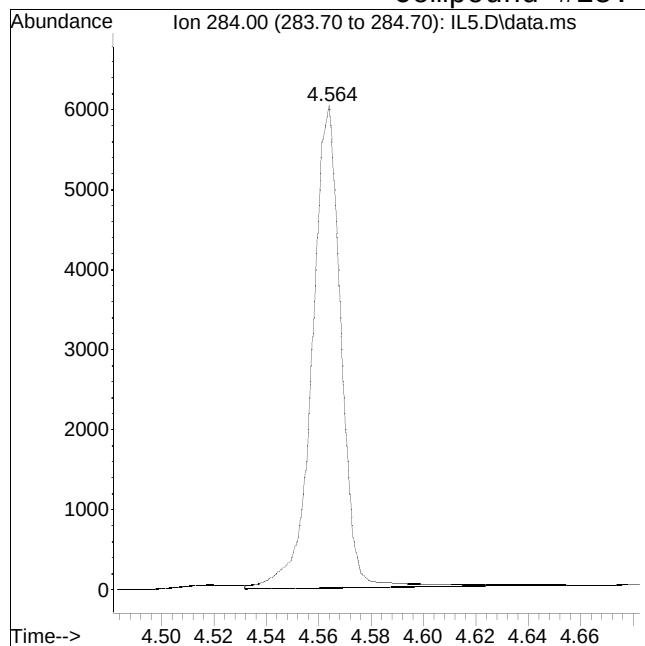
Manual Peak Response = 5105 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL5.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 8:24 pm Instrument : SV125
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 9/9/2025 2:38 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 4628

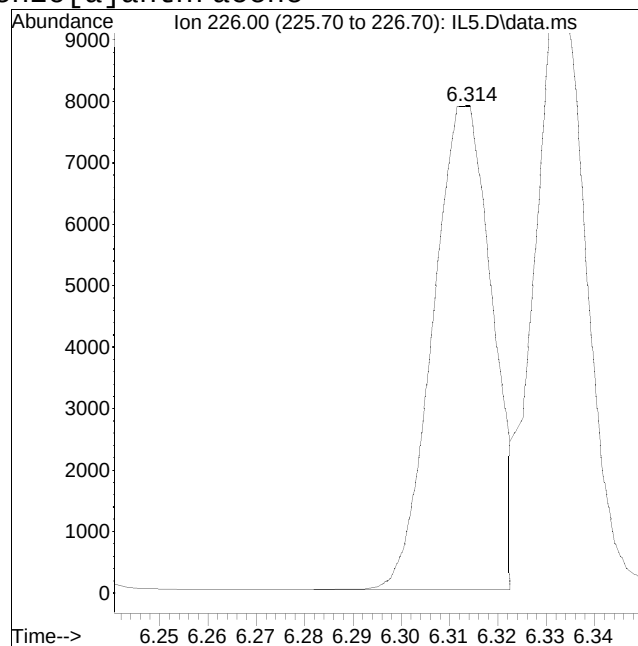
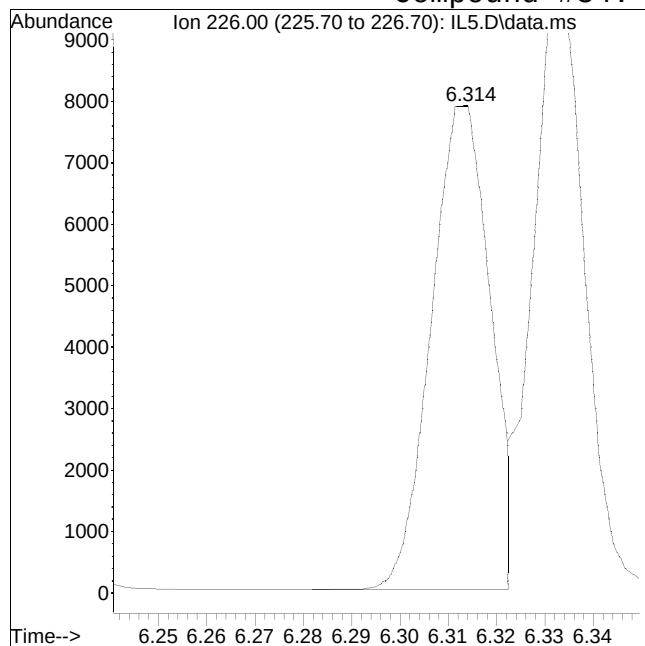
Manual Peak Response = 4507 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL5.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 8:24 pm Instrument : SV125
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 9/9/2025 2:38 pm

Compound #34: Benzo[a]anthracene



Original Peak Response = 6794

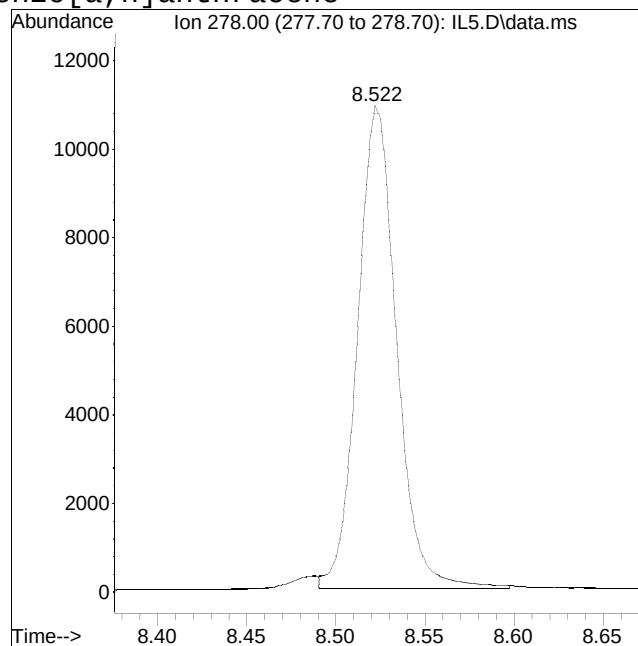
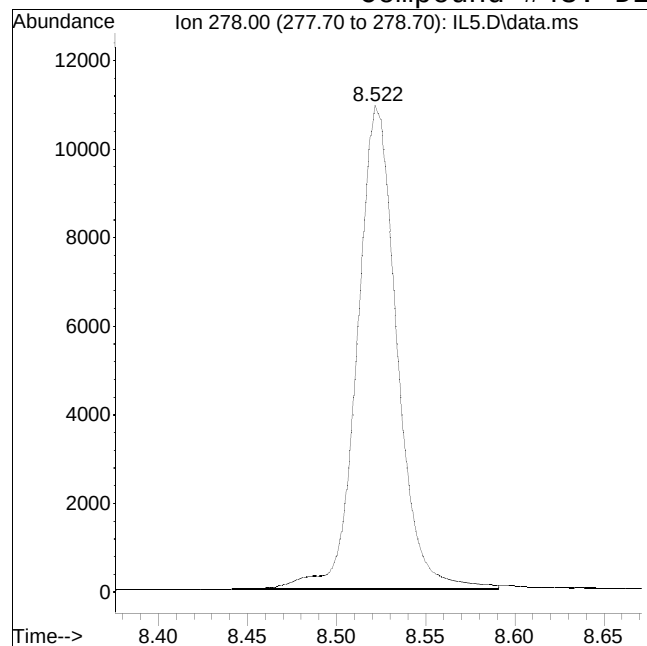
Manual Peak Response = 6794 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL5.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:24 pm Instrument : SV125
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 16926

Manual Peak Response = 16550 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL4.D
 Acq On : 08 Sep 2025 08:41 pm
 Operator : SV125:ljj
 Sample : IL4,32,,0.01 Lot# 11704
 Misc : WG2112310,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 14:45:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:56 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	421517	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery = 130.51%			
9) Naphthalene-d8	2.974	136	1640647	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery = 129.15%			
18) Acenaphthene-d10	3.944	164	929612	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery = 128.80%			
23) Phenanthrene-d10	4.775	188	1813881	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery = 130.07%			
33) Chrysene-d12	6.318	240	1590467	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery = 134.92%			
38) Perylene-d12	7.399	264	1480752	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery = 129.46%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.734	112	1009	9.694	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.48%#			
4) Phenol-d6	2.139	99	1202	9.347	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.47%#			
8) Nitrobenzene-d5	2.599	82	957	9.320	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.93%#			
14) 2-Fluorobiphenyl	3.571	172	3539	10.570	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.06%#			
22) 2,4,6-Tribromophenol	4.384	330	259	7.494	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.37%#			
32) 4-Terphenyl-d14	5.695	244	3647	10.033	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.00%#			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.253	74	653M4	9.562	ng/mL	
5) Bis(2-chloroethyl)ether	2.188	93	1098M6	9.470	ng/ml	
6) n-nitrosodi-n-propylamine	2.524	70	751	9.748	ng/ml	91
7) Hexachloroethane	2.574	117	531	10.040	ng/ml	100
10) Naphthalene	2.984	128	4471	10.306	ng/ml#	96
11) Hexachlorobutadiene	3.061	225	733	10.198	ng/ml	100
12) 2-Methylnaphthalene	3.364	142	2521	9.956	ng/ml	99
13) 1-Methylnaphthalene	3.418	142	2796	10.278	ng/ml	98
15) 2-Chloronaphthalene	3.632	162	2863	10.075	ng/ml	100
16) 2,6-Dinitrotoluene	3.828	165	431M6	8.216	ng/ml	
17) Acenaphthylene	3.861	152	4370	9.727	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL4.D
 Acq On : 08 Sep 2025 08:41 pm
 Operator : SV125:ljb
 Sample : IL4,32,,0.01 Lot# 11704
 Misc : WG2112310,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 14:45:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:56 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.959	153	3161	10.636	ng/ml	83
20)	2,4-Dinitrotoluene	4.054	165	567	28.530	ng/ml	98
21)	Fluorene	4.249	166	3309	9.943	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.286	198	79	36.807	ng/ml#	32
25)	Hexachlorobenzene	4.563	284	1024M6	10.398	ng/ml	
26)	Pentachlorophenol	4.675	266	107	21.678	ng/ml	89
27)	Phenanthrene	4.787	178	5459M1	10.537	ng/ml	
28)	Anthracene	4.817	178	4814M6	9.740	ng/ml	
29)	Fluoranthene	5.462	202	5576	9.952	ng/ml	100
30)	Pyrene	5.592	202	5733	9.969	ng/ml	99
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.313	226	1727	9.277	ng/ml#	2
35)	3,3'-Dichlorobenzidine	6.304	252	772	27.184	ng/ml#	1
36)	Chrysene	6.332	228	5032	9.963	ng/ml	97
37)	Bis(2-ethylhexyl)phtha...	6.356	149	2154	26.429	ng/ml	98
39)	Benzo[b]fluoranthene	7.062	252	4457	9.515	ng/ml	96
40)	Benzo[k]fluoranthene	7.082	252	4581	9.651	ng/ml	96
41)	Benzo[a]pyrene	7.335	252	3860	9.322	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.485	276	3626	9.216	ng/ml	100
43)	Dibenzo[a,h]anthracene	8.523	278	3491M6	8.949	ng/ml	
44)	Benzo[g,h,i]perylene	8.790	276	3786	9.335	ng/ml	99

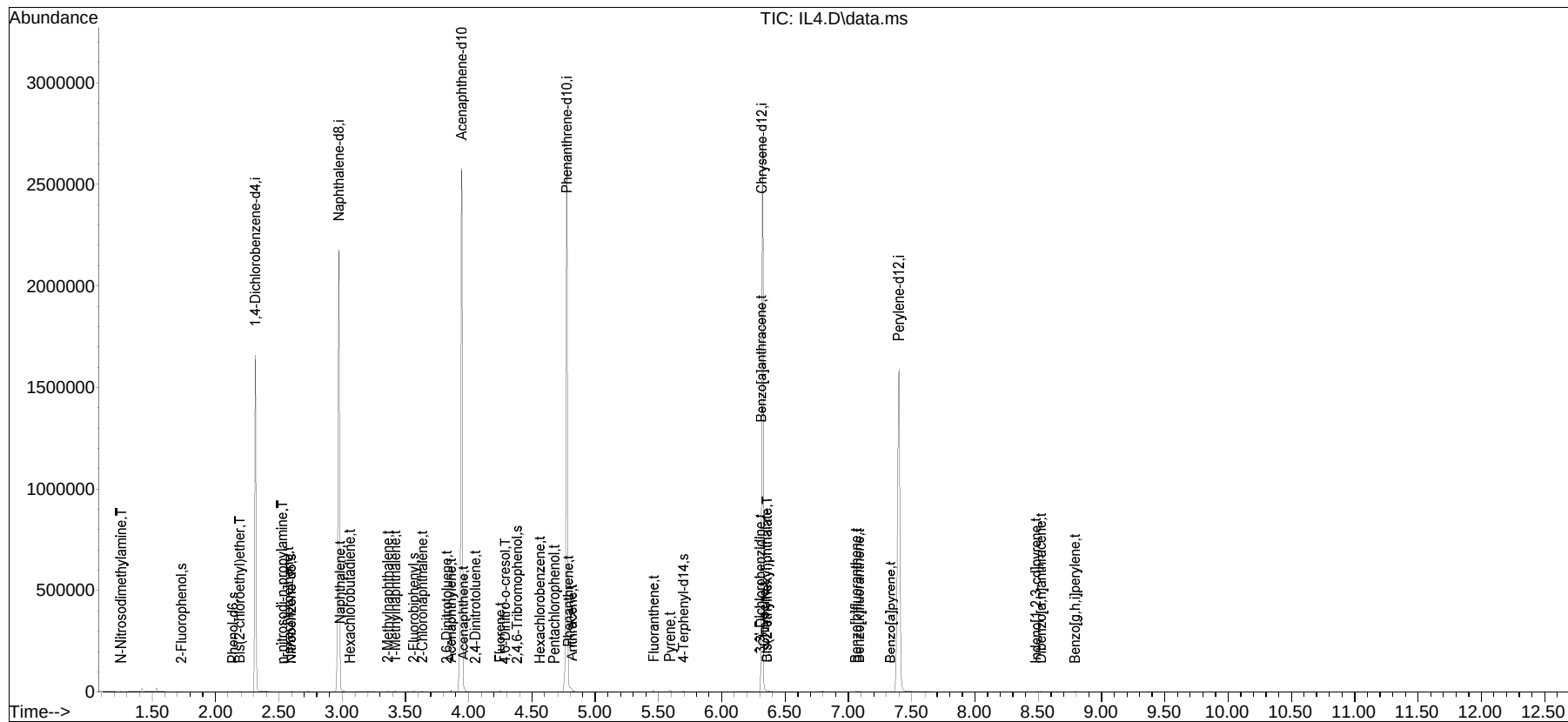
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL4.D
Acq On : 08 Sep 2025 08:41 pm
Operator : SV125:ljg
Sample : IL4,32,,0.01 Lot# 11704
Misc : WG2112310,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 14:45:51 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 09 14:37:56 2025
Response via : Initial Calibration

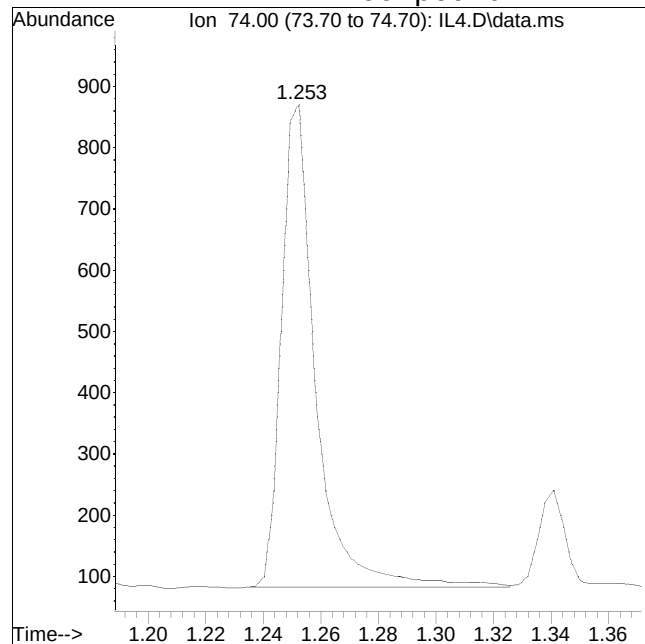
Sub List : Default - All compounds listed in IL8.D.



Manual Integration Report

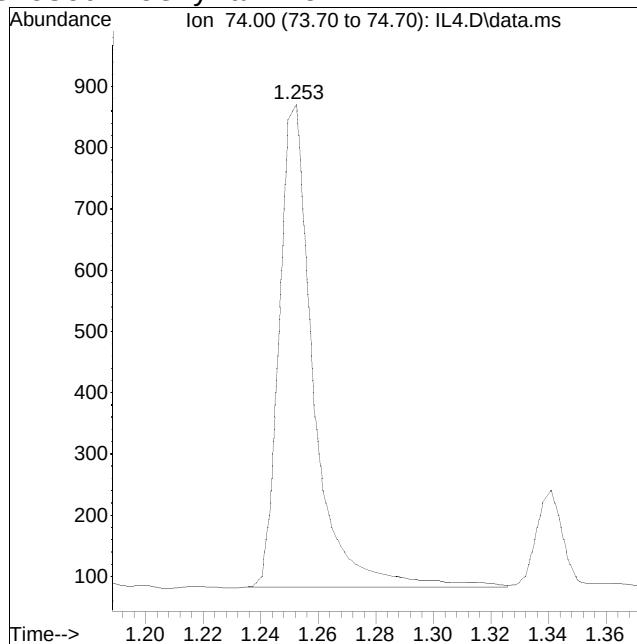
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL4.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 653

M4 = Poor automated baseline construction.

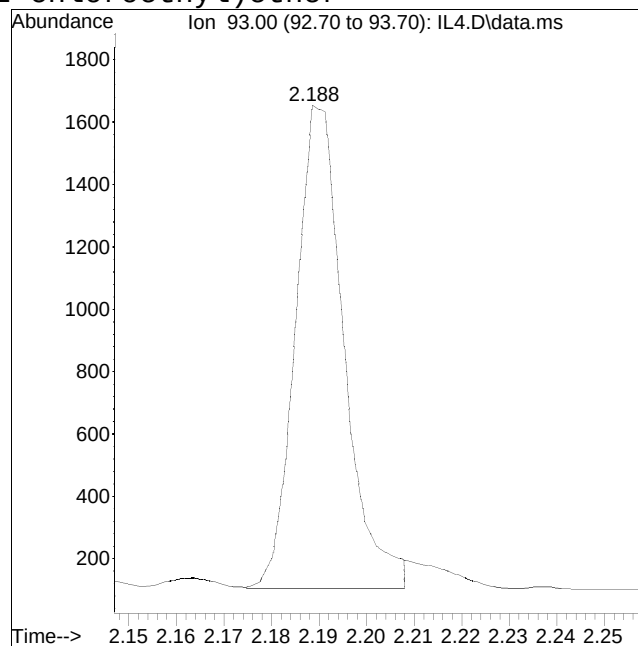
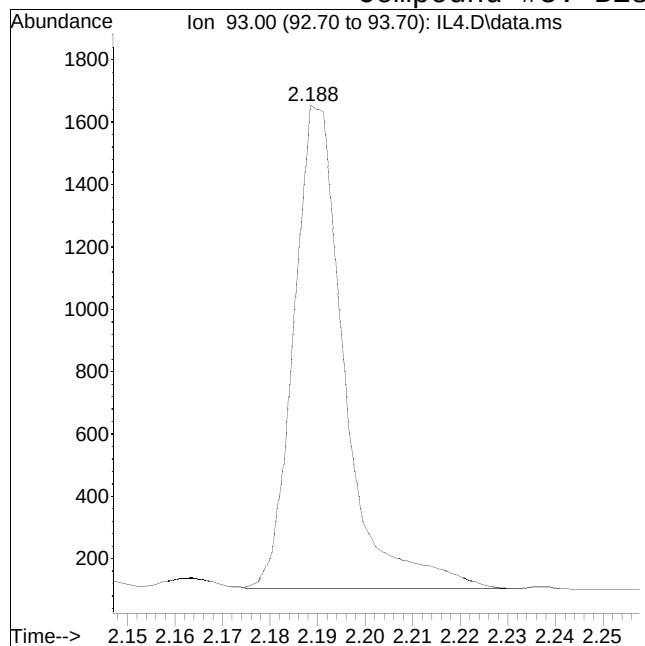


Manual Peak Response = 653 M4

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL4.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 1146

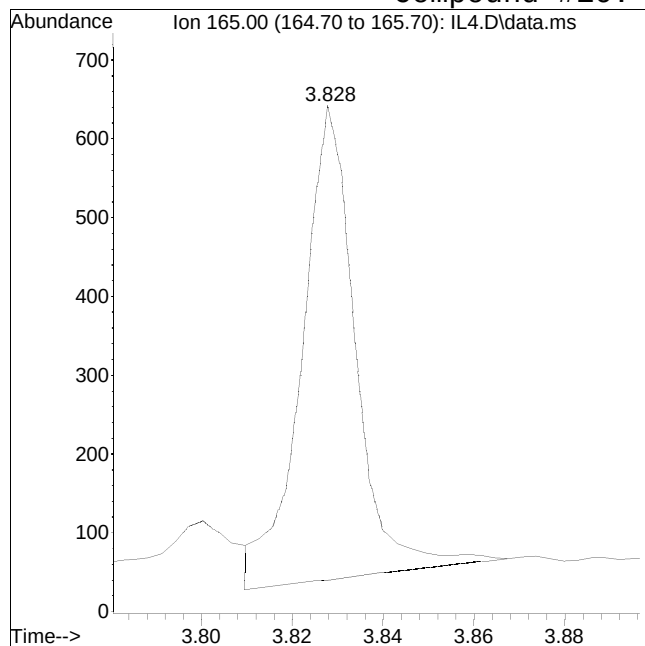
Manual Peak Response = 1098 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

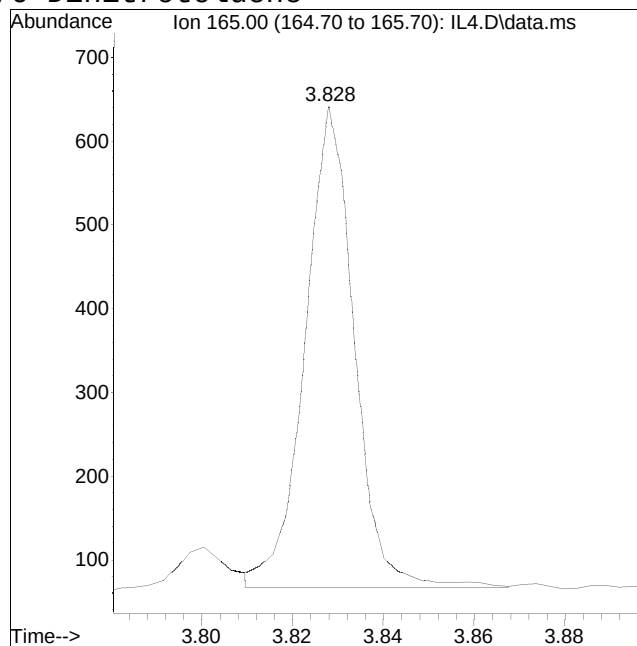
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL4.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #16: 2,6-Dinitrotoluene



Original Peak Response = 497

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

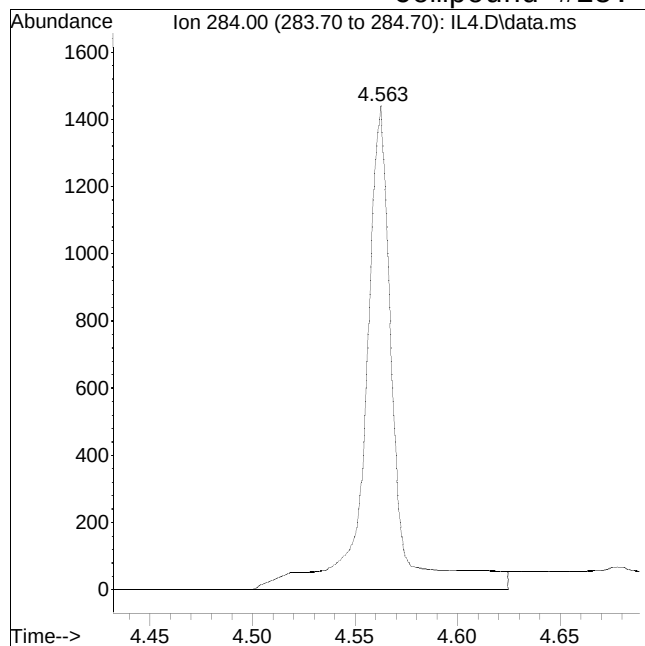


Manual Peak Response = 431 M6

Manual Integration Report

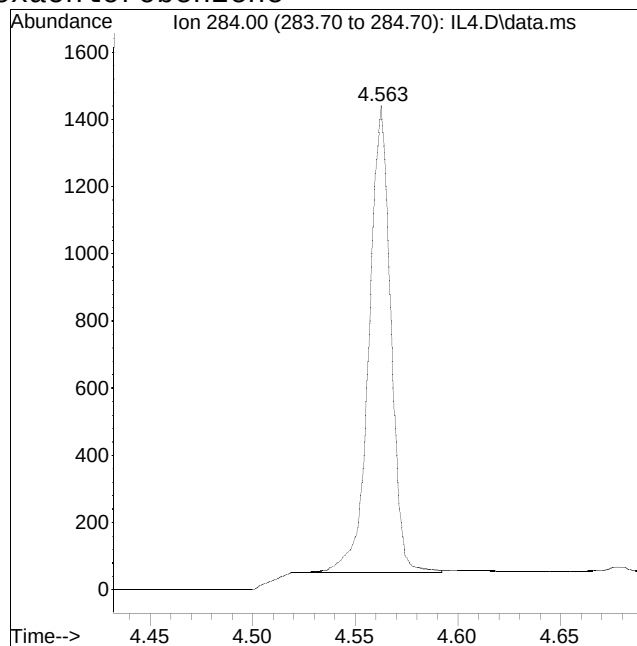
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL4.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 1568

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

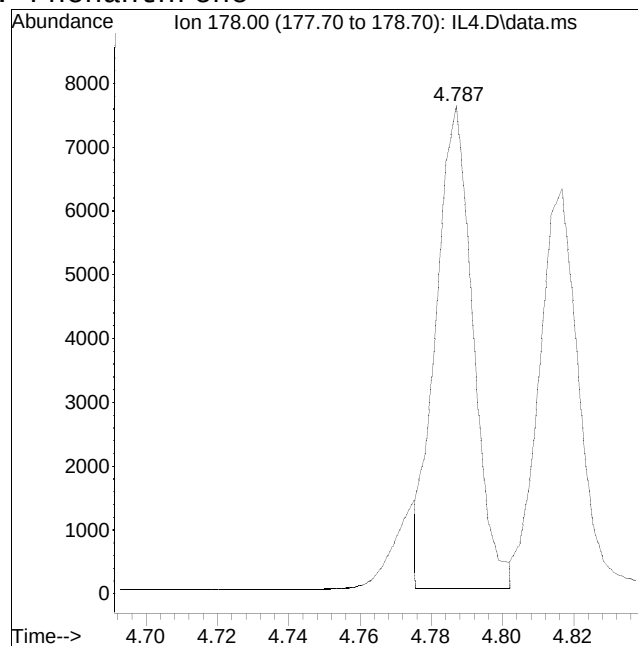
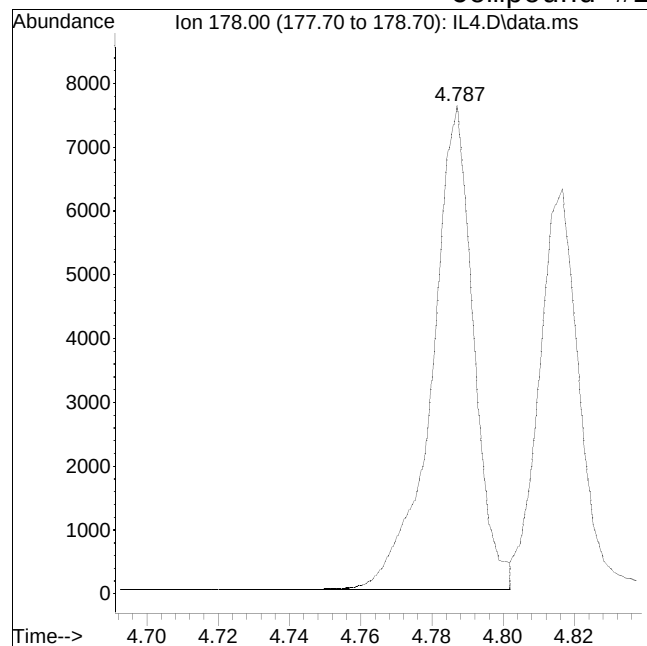


Manual Peak Response = 1024 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL4.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #27: Phenanthrene



Original Peak Response = 6189

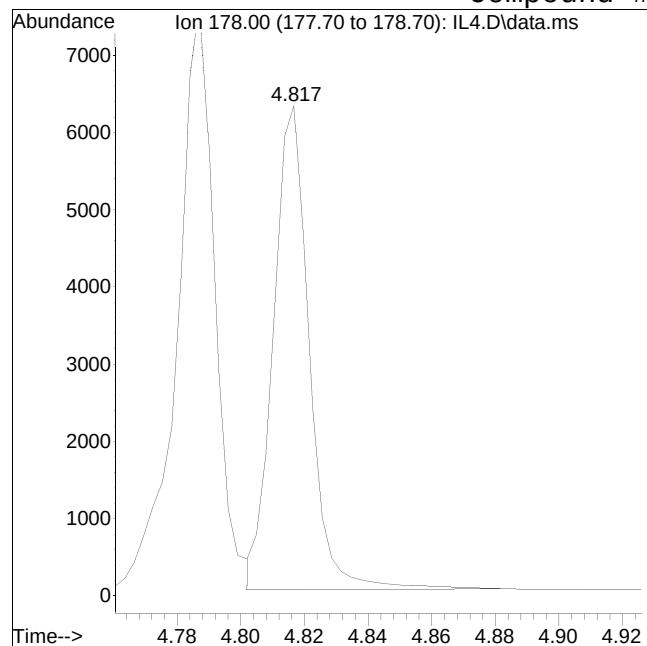
Manual Peak Response = 5459 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

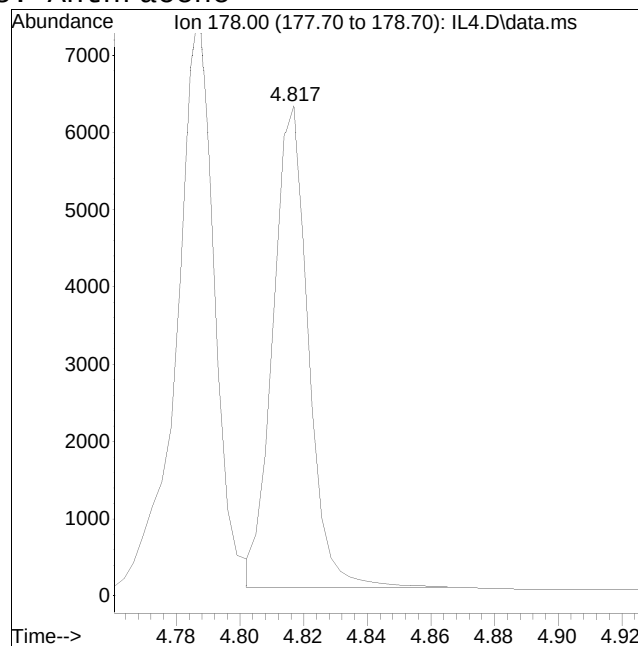
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL4.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #28: Anthracene



Original Peak Response = 4935

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

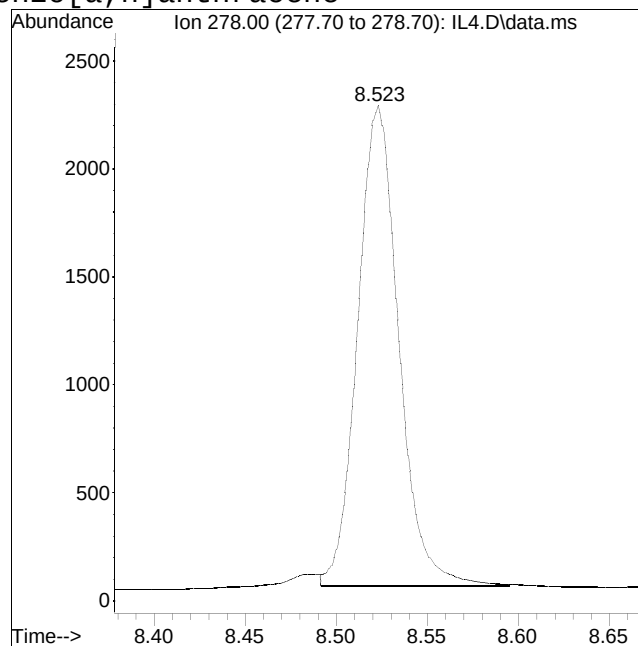
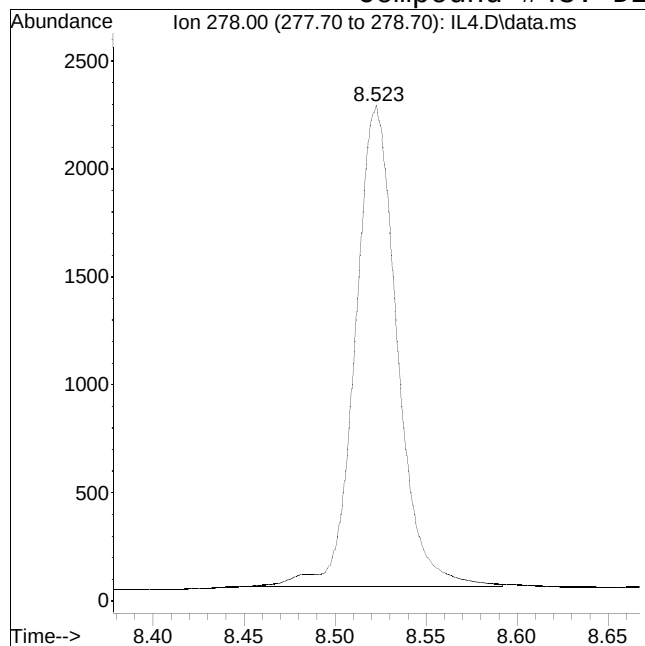


Manual Peak Response = 4814 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL4.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 3577

Manual Peak Response = 3491 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL3.D
 Acq On : 08 Sep 2025 08:58 pm
 Operator : SV125:ljj
 Sample : IL3,32,,0.005 Lot# 11705
 Misc : WG2112310,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 09 14:43:22 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:50 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.318	152	499847	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	154.76%	
9) Naphthalene-d8	2.975	136	1944524	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	153.07%	
18) Acenaphthene-d10	3.942	164	1094278	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	151.62%	
23) Phenanthrene-d10	4.776	188	2140206	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	153.48%	
33) Chrysene-d12	6.319	240	1884826	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	159.89%	
38) Perylene-d12	7.400	264	1777934	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	155.44%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.733	112	591	4.788	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.24%#	
4) Phenol-d6	2.141	99	732	4.800	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.24%#	
8) Nitrobenzene-d5	2.598	82	574	4.714	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.47%#	
14) 2-Fluorobiphenyl	3.572	172	2090	5.267	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.53%#	
22) 2,4,6-Tribromophenol	4.384	330	152	3.736	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.19%#	
32) 4-Terphenyl-d14	5.696	244	2160	5.036	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.50%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.250	74	379	4.680	ng/mL#	95
5) Bis(2-chloroethyl)ether	2.191	93	687M6	4.997	ng/ml	
6) n-nitrosodi-n-propylamine	2.524	70	449	4.915	ng/ml	95
7) Hexachloroethane	2.573	117	324	5.166	ng/ml	97
10) Naphthalene	2.985	128	2736	5.321	ng/ml#	92
11) Hexachlorobutadiene	3.061	225	444	5.212	ng/ml	100
12) 2-Methylnaphthalene	3.364	142	1503	5.008	ng/ml	98
13) 1-Methylnaphthalene	3.416	142	1664	5.161	ng/ml	97
15) 2-Chloronaphthalene	3.633	162	1690	5.018	ng/ml	99
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
17) Acenaphthylene	3.859	152	2576	4.838	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL3.D
 Acq On : 08 Sep 2025 08:58 pm
 Operator : SV125:ljb
 Sample : IL3,32,,0.005 Lot# 11705
 Misc : WG2112310,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 09 14:43:22 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:50 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.960	153	1687M6	4.822	ng/ml	
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
21)	Fluorene	4.247	166	1947	4.970	ng/ml	98
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
25)	Hexachlorobenzene	4.563	284	596M6	5.129	ng/ml	
26)	Pentachlorophenol	4.676	266	86	20.479	ng/ml	93
27)	Phenanthrene	4.788	178	3073M1	5.027	ng/ml	
28)	Anthracene	4.814	178	3003	5.149	ng/ml	97
29)	Fluoranthene	5.462	202	3381	5.114	ng/ml	100
30)	Pyrene	5.593	202	3430	5.055	ng/ml	97
31)	Benzidine	0.000		0	N.D.		
34)	Benzo[a]anthracene	6.313	226	1281	5.049	ng/ml#	1
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36)	Chrysene	6.332	228	2966M1	4.955	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.354	149	1442	23.154	ng/ml	100
39)	Benzo[b]fluoranthene	7.060	252	2996	5.327	ng/ml	94
40)	Benzo[k]fluoranthene	7.083	252	2916	5.116	ng/ml	96
41)	Benzo[a]pyrene	7.337	252	2441	4.910	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.487	276	2514	5.322	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.524	278	2435M6	5.199	ng/ml	
44)	Benzo[g,h,i]perylene	8.791	276	2616	5.372	ng/ml	100

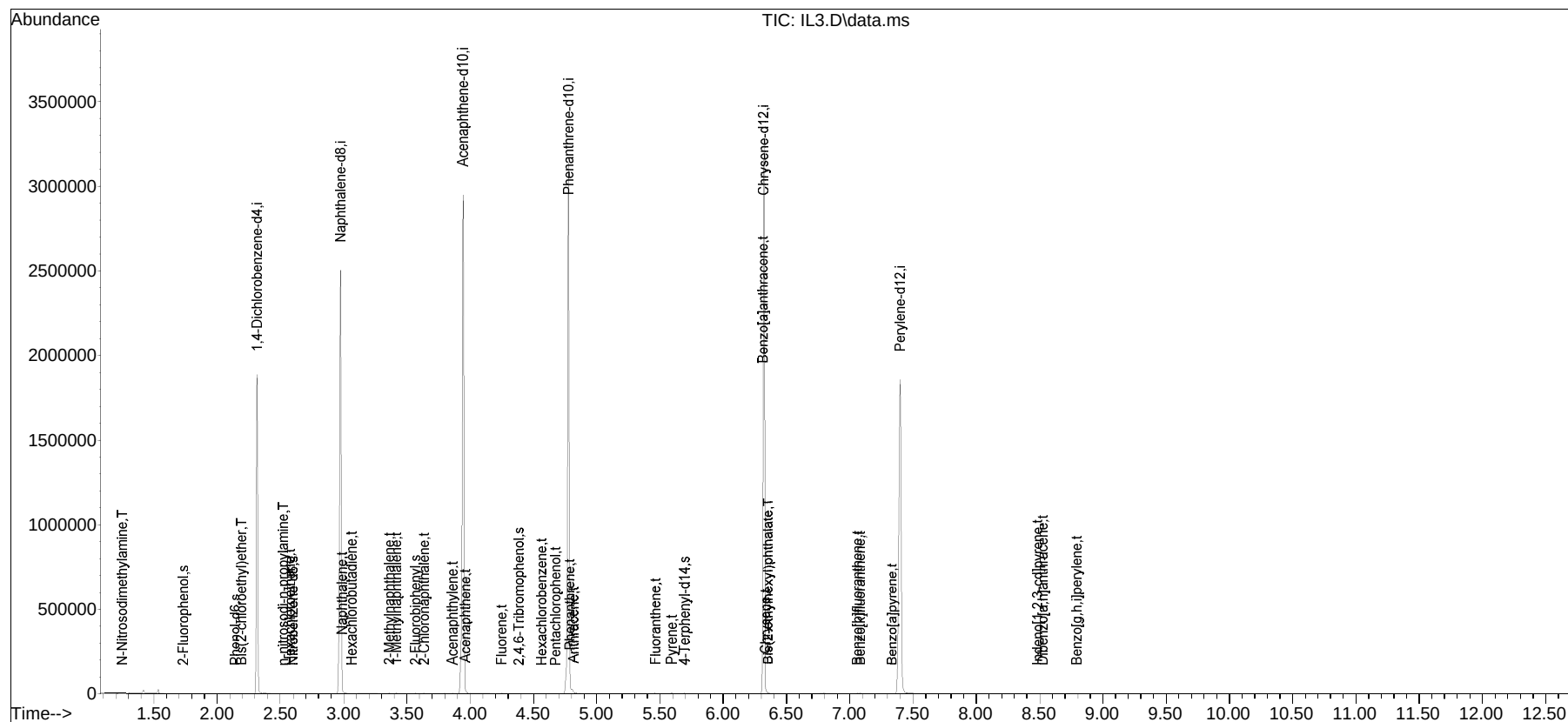
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL3.D
 Acq On : 08 Sep 2025 08:58 pm
 Operator : SV125:ljj
 Sample : IL3,32,,0.005 Lot# 11705
 Misc : WG2112310,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 09 14:43:22 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:50 2025
 Response via : Initial Calibration

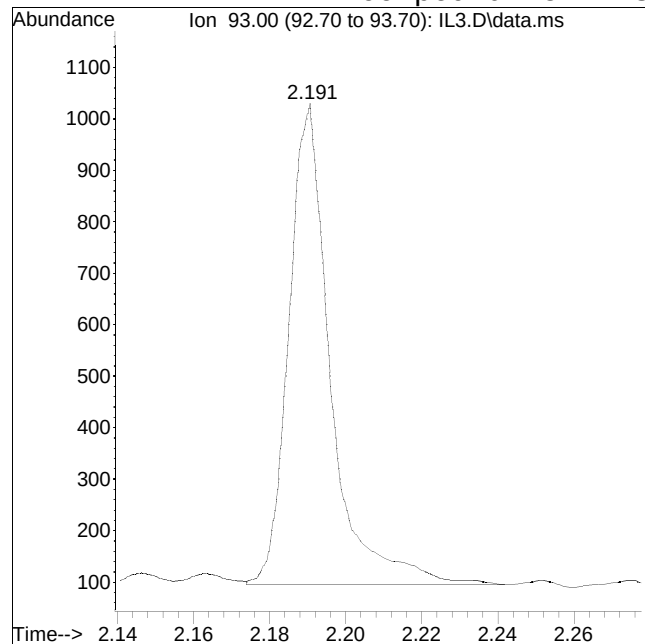
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

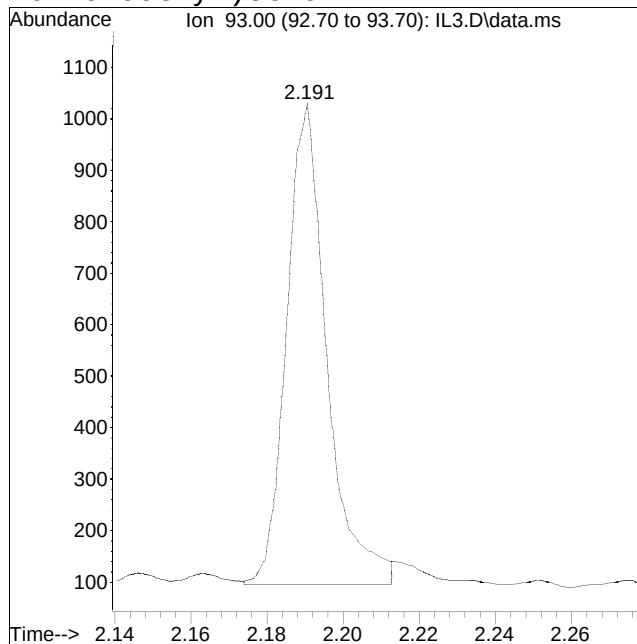
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL3.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 8:58 pm Instrument : SV125
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 9/9/2025 2:37 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 713

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

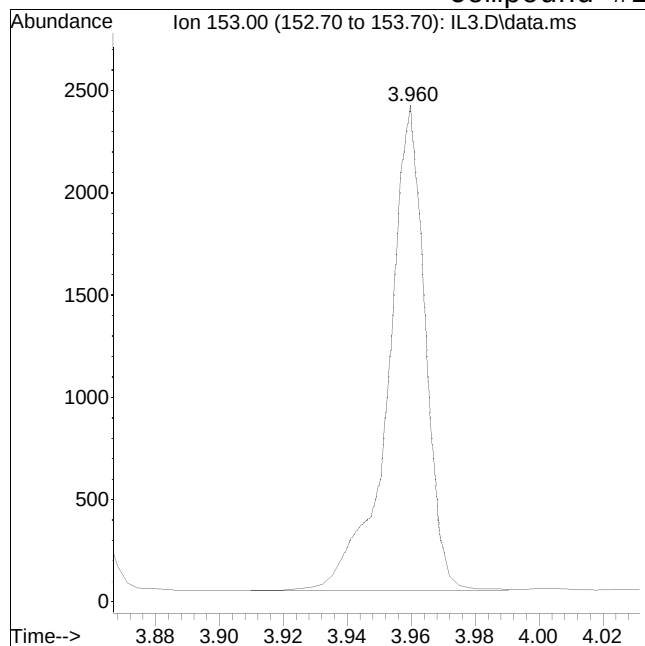


Manual Peak Response = 687 M6

Manual Integration Report

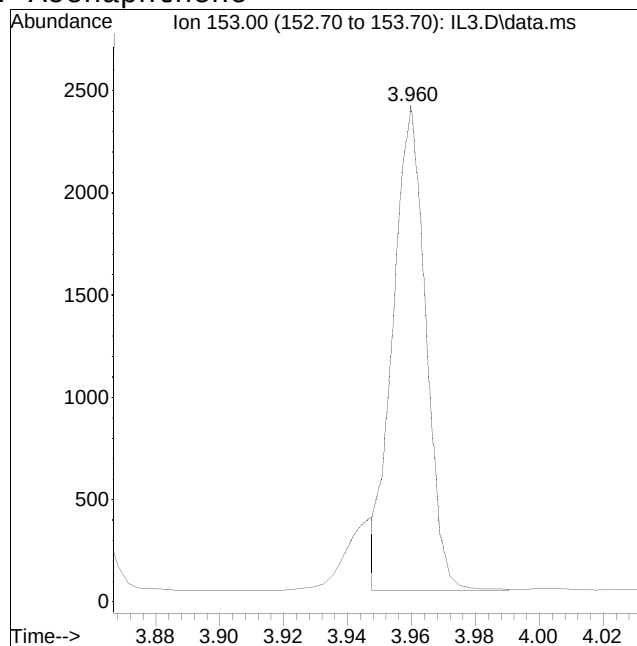
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL3.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 8:58 pm Instrument : SV125
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 9/9/2025 2:37 pm

Compound #19: Acenaphthene



Original Peak Response = 1909

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

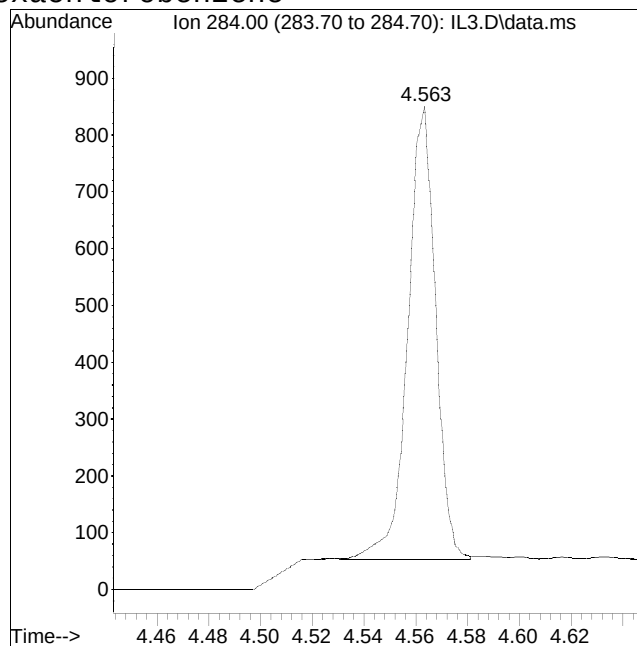
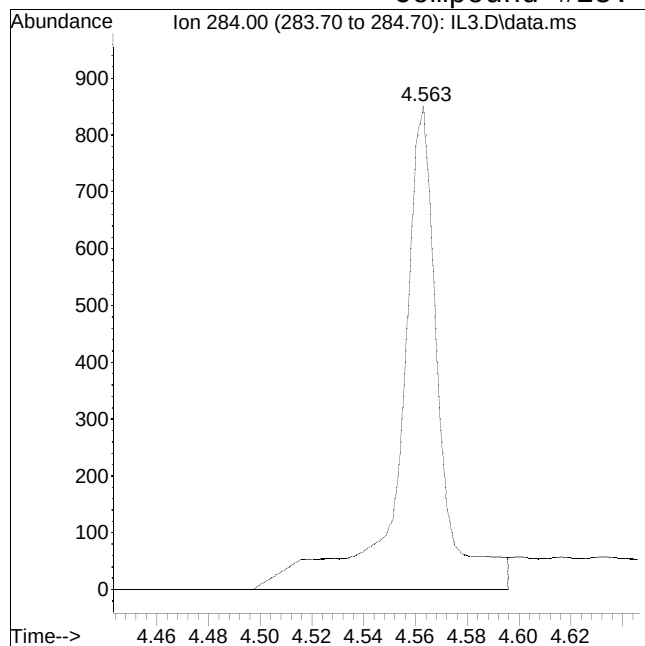


Manual Peak Response = 1687 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL3.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 8:58 pm Instrument : SV125
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 1025

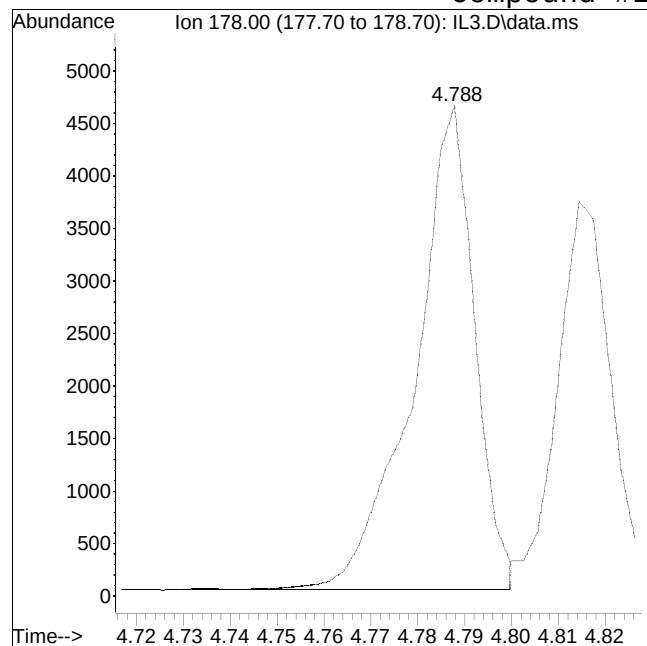
Manual Peak Response = 596 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

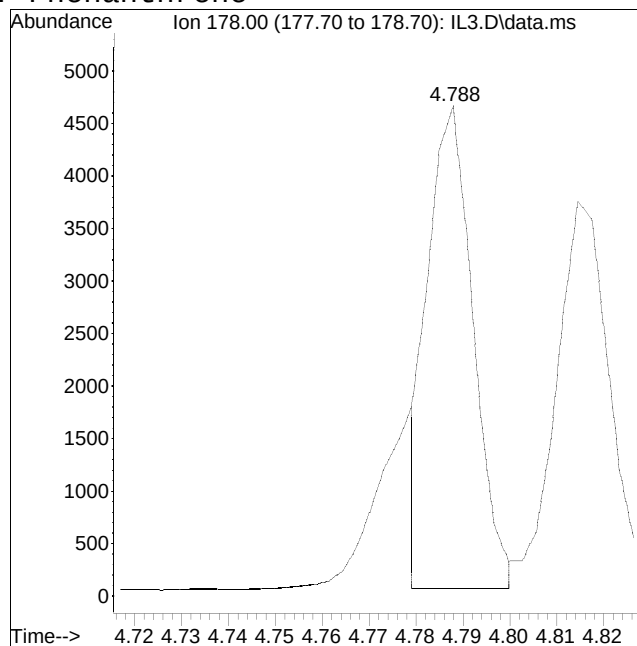
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL3.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:58 pm Instrument : SV125
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 9/9/2025 2:37 pm

Compound #27: Phenanthrene



Original Peak Response = 4100

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

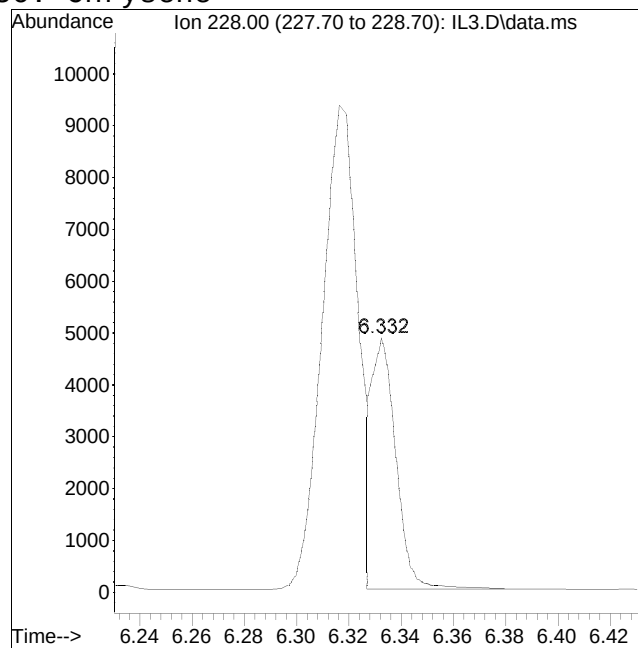
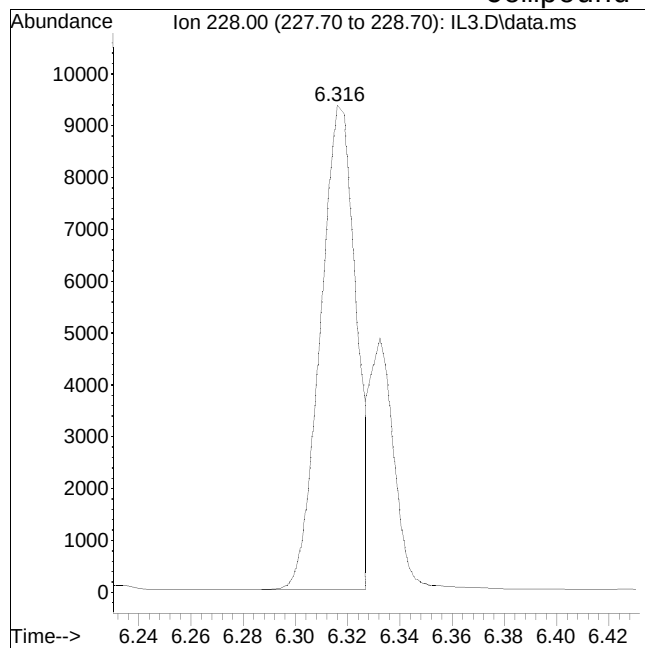


Manual Peak Response = 3073 M1

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL3.D Operator : SV125:ljpg
Date Inj'd : 9/8/2025 8:58 pm Instrument : SV125
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 9/9/2025 2:37 pm

Compound #36: Chrysene



Original Peak Response = 8961

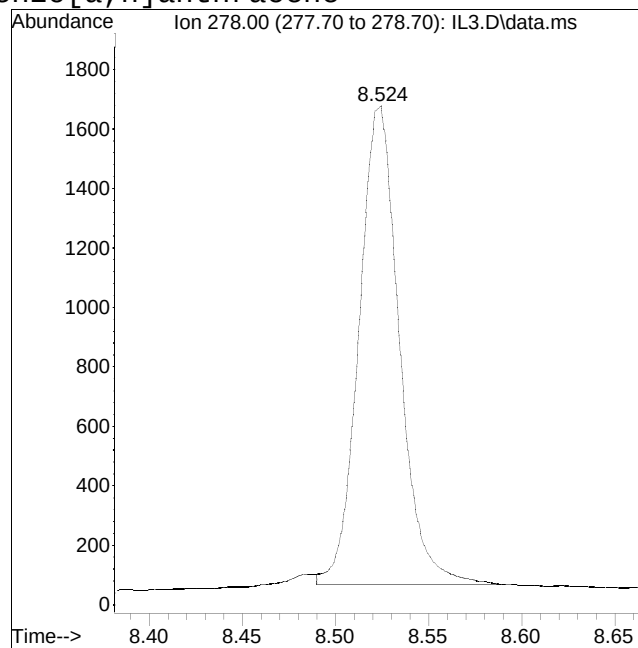
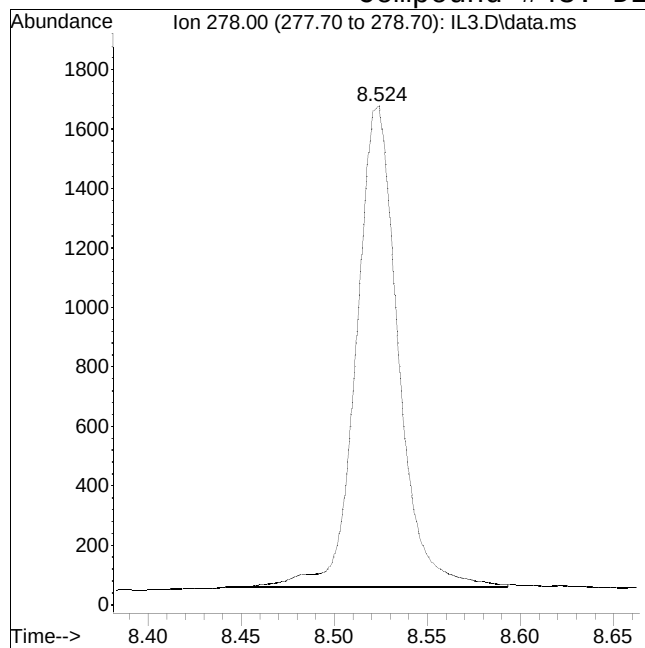
Manual Peak Response = 2966 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL3.D Operator : SV125:ljpg
Date Inj'd : 9/8/2025 8:58 pm Instrument : SV125
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 9/9/2025 2:37 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 2528

Manual Peak Response = 2435 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL2.D
 Acq On : 08 Sep 2025 09:14 pm
 Operator : SV125:ljj
 Sample : IL2,32,,0.002 Lot# 11706
 Misc : WG2112310,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 09 14:42:01 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:44 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	449714	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	139.24%	
9) Naphthalene-d8	2.975	136	1759388	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	138.49%	
18) Acenaphthene-d10	3.944	164	997843	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	138.26%	
23) Phenanthrene-d10	4.775	188	1965931	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	140.98%	
33) Chrysene-d12	6.318	240	1714297	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	145.42%	
38) Perylene-d12	7.398	264	1608825	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	140.65%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	213	1.918	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.10%#	
4) Phenol-d6	2.141	99	237	1.727	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.09%#	
8) Nitrobenzene-d5	2.599	82	214	1.953	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.20%#	
14) 2-Fluorobiphenyl	3.571	172	730	2.033	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.20%#	
22) 2,4,6-Tribromophenol	4.384	330	55M7	1.483	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.07%#	
32) 4-Terphenyl-d14	5.695	244	826	2.097	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.21%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.250	74	126	1.729	ng/mL#	2
5) Bis(2-chloroethyl)ether	2.191	93	238M6	1.924	ng/ml	
6) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
7) Hexachloroethane	2.574	117	122	2.162	ng/ml	95
10) Naphthalene	2.984	128	1091	2.345	ng/ml#	83
11) Hexachlorobutadiene	3.061	225	153	1.985	ng/ml	90
12) 2-Methylnaphthalene	3.364	142	566	2.084	ng/ml	97
13) 1-Methylnaphthalene	3.418	142	590	2.022	ng/ml	98
15) 2-Chloronaphthalene	3.632	162	613	2.012	ng/ml	93
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL2.D
 Acq On : 08 Sep 2025 09:14 pm
 Operator : SV125:ljj
 Sample : IL2,32,,0.002 Lot# 11706
 Misc : WG2112310,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 09 14:42:01 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:44 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
17)	Acenaphthylene	3.861	152	924	1.918	ng/ml	99
19)	Acenaphthene	3.959	153	640M6	2.006	ng/ml	
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
21)	Fluorene	4.250	166	736	2.060	ng/ml	98
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
25)	Hexachlorobenzene	4.563	284	213M6	1.996	ng/ml	
26)	Pentachlorophenol	4.678	266	91	20.868	ng/ml	92
27)	Phenanthrene	4.787	178	1306M6	2.326	ng/ml	
28)	Anthracene	4.817	178	1099	2.052	ng/ml	98
29)	Fluoranthene	5.462	202	1242	2.045	ng/ml	95
30)	Pyrene	5.592	202	1271	2.039	ng/ml	99
31)	Benzidine	0.000		0	N.D.		
34)	Benzo[a]anthracene	6.318	226	708	2.274	ng/ml#	1
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
36)	Chrysene	6.332	228	831M1	1.527	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.356	149	776	21.418	ng/ml	99
39)	Benzo[b]fluoranthene	7.062	252	953	1.873	ng/ml	96
40)	Benzo[k]fluoranthene	7.082	252	1001	1.941	ng/ml	99
41)	Benzo[a]pyrene	7.335	252	800	1.778	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.485	276	770	1.801	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.519	278	727	1.715	ng/ml	99
44)	Benzo[g,h,i]perylene	8.793	276	786	1.784	ng/ml	98

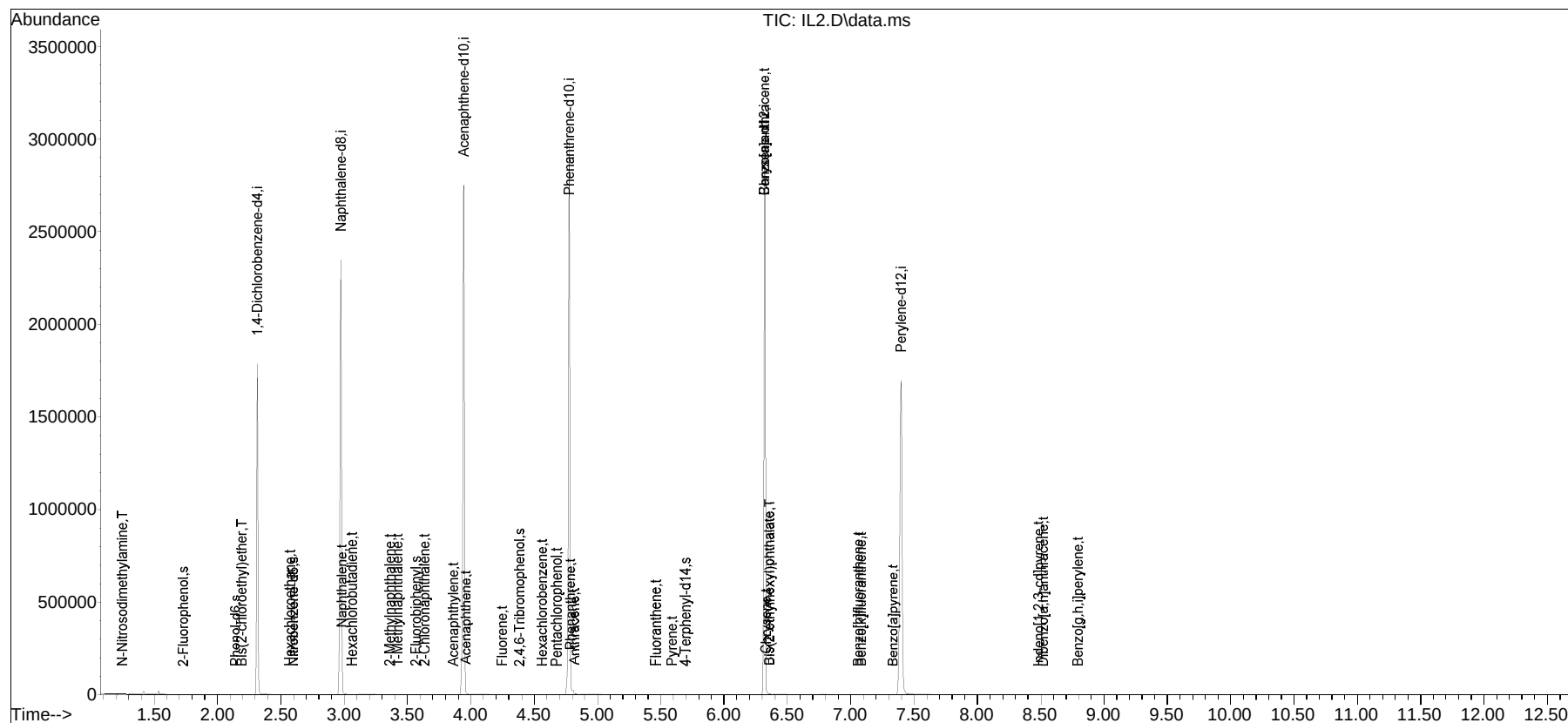
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL2.D
 Acq On : 08 Sep 2025 09:14 pm
 Operator : SV125:ljj
 Sample : IL2,32,,0.002 Lot# 11706
 Misc : WG2112310,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 09 14:42:01 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:44 2025
 Response via : Initial Calibration

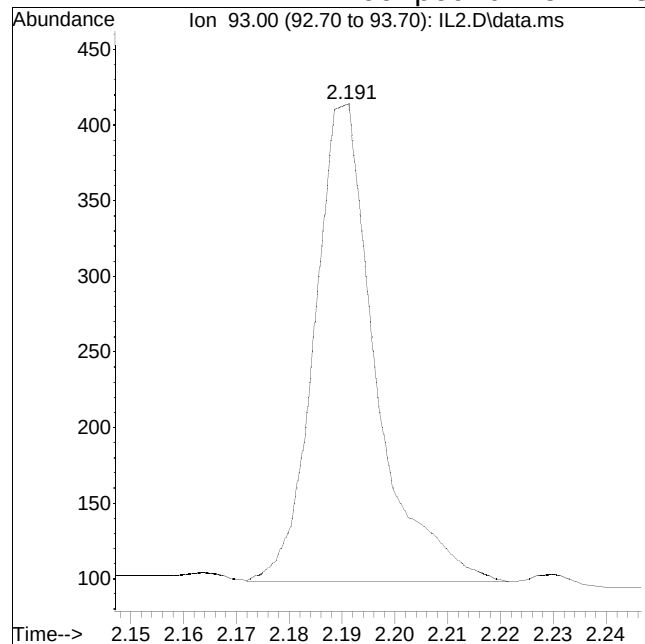
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

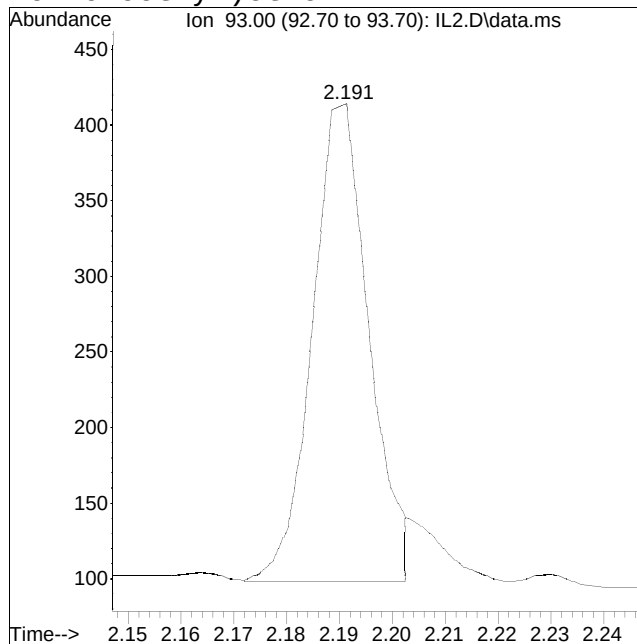
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL2.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 9:14 pm Instrument : SV125
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 9/9/2025 2:37 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 255

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

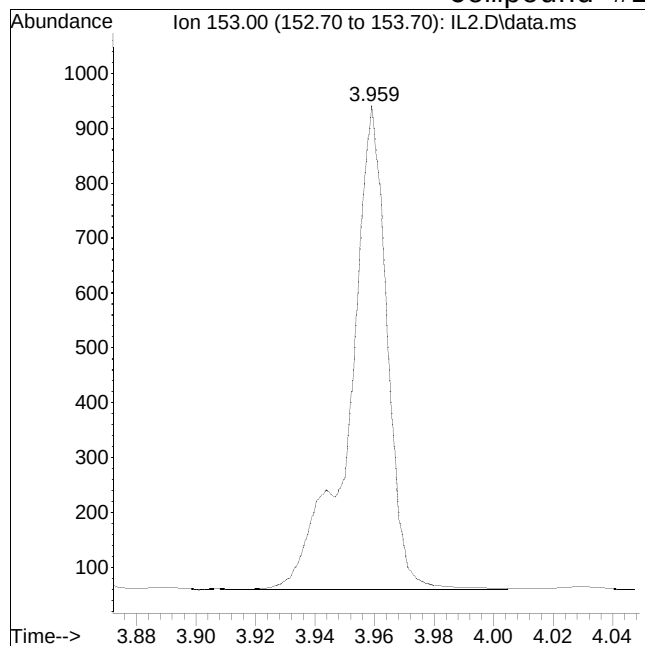


Manual Peak Response = 238 M6

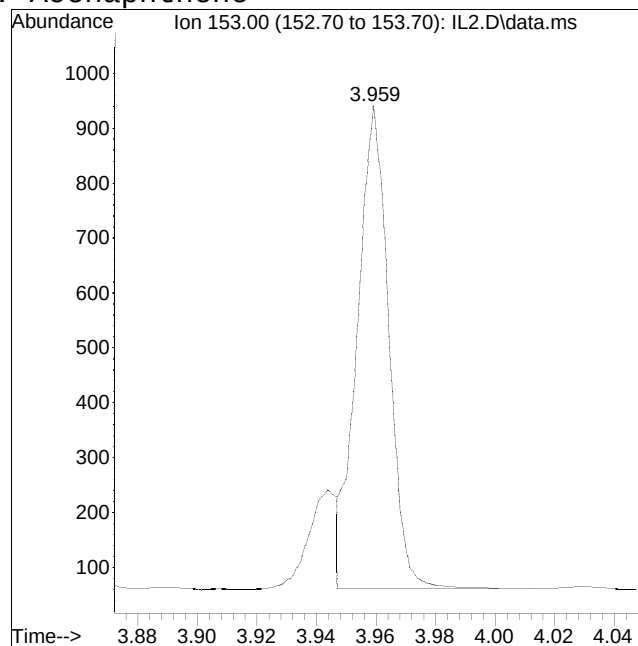
Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL2.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 9:14 pm Instrument : SV125
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 9/9/2025 2:37 pm

Compound #19: Acenaphthene



Original Peak Response = 772



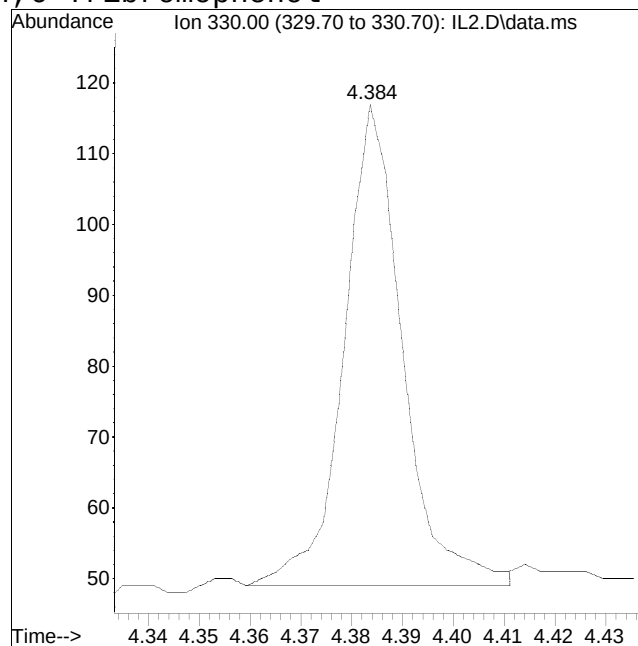
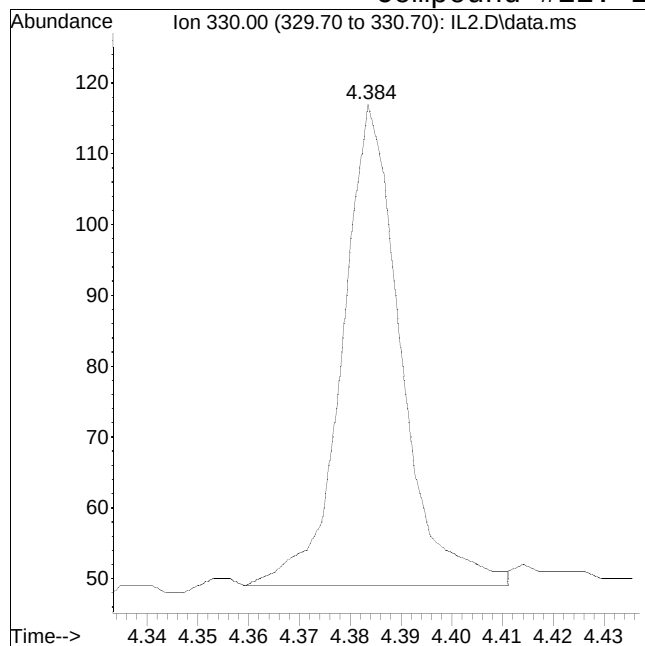
Manual Peak Response = 640 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL2.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 9:14 pm Instrument : SV125
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 9/9/2025 2:37 pm

Compound #22: 2,4,6-Tribromophenol



Original Peak Response = 55

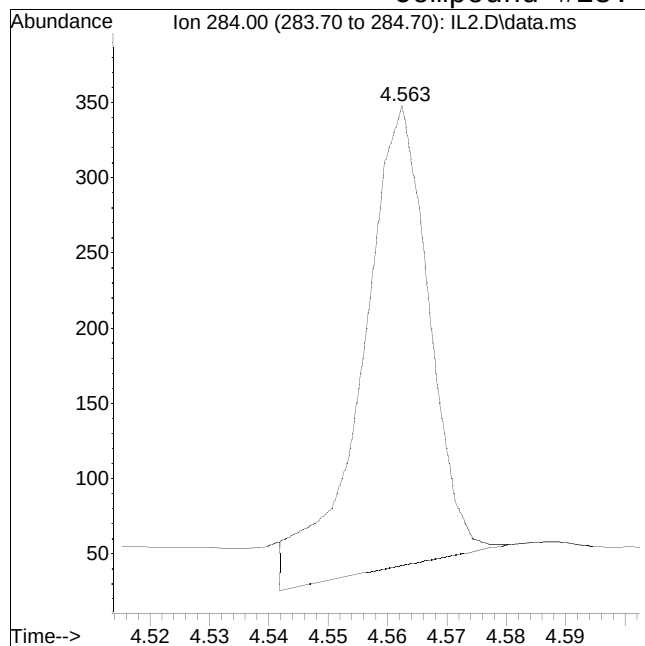
Manual Peak Response = 55 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

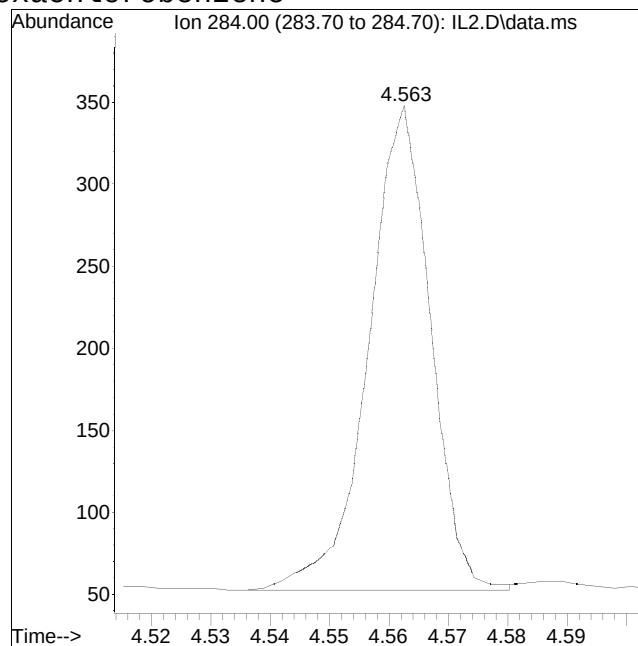
Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL2.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 9:14 pm Instrument : SV125
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 240



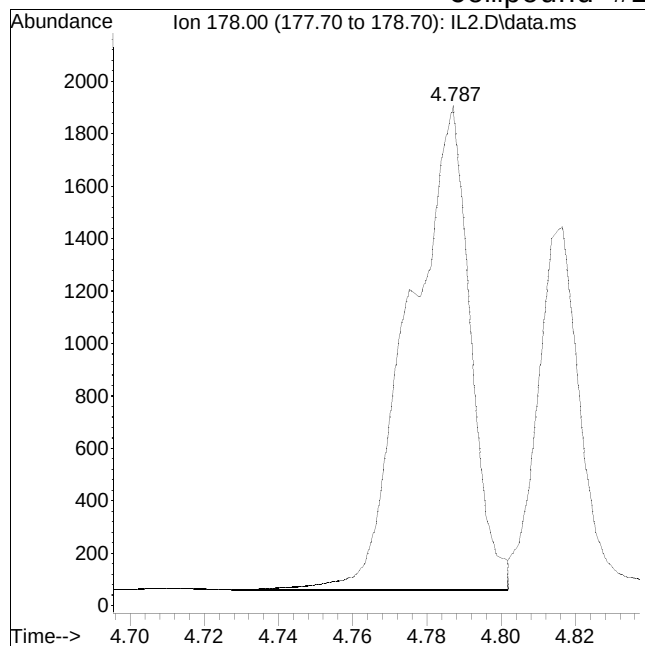
Manual Peak Response = 213 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

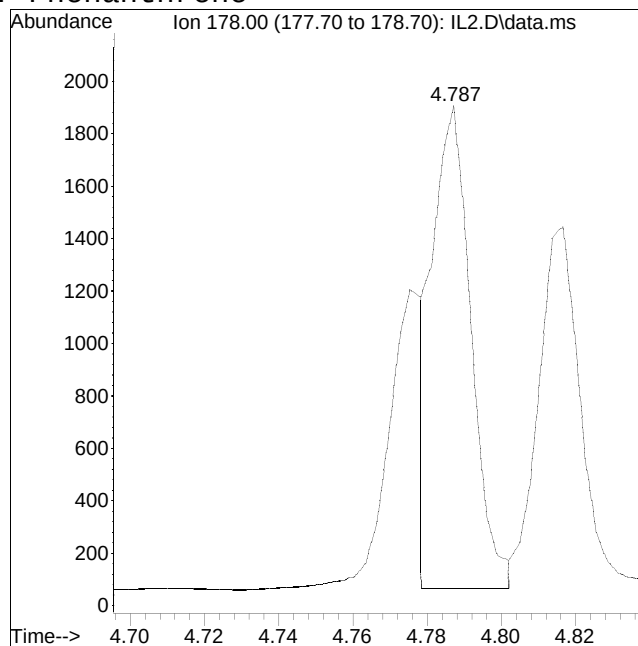
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL2.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 9:14 pm Instrument : SV125
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 9/9/2025 2:37 pm

Compound #27: Phenanthrene



Original Peak Response = 2081

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

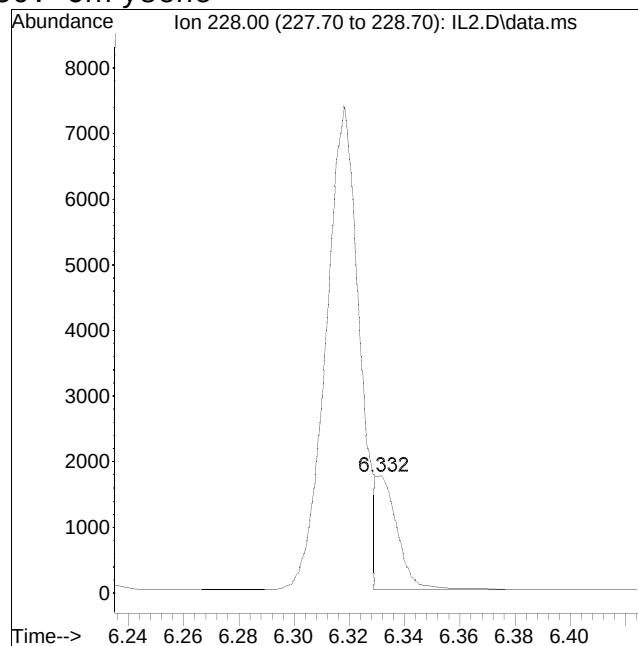
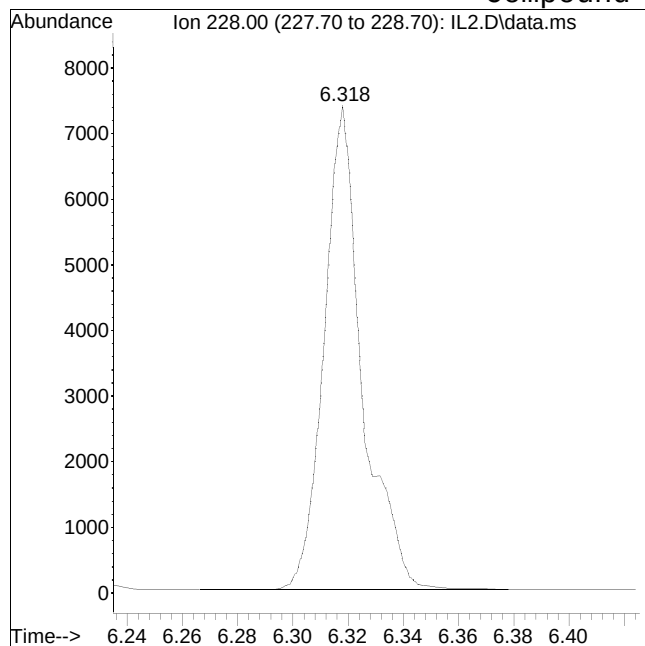


Manual Peak Response = 1306 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL2.D Operator : SV125:l jg
Date Inj'd : 9/8/2025 9:14 pm Instrument : SV125
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 9/9/2025 2:37 pm

Compound #36: Chrysene



Original Peak Response = 7102

Manual Peak Response = 831 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL1.D
 Acq On : 08 Sep 2025 09:31 pm
 Operator : SV125:ljl
 Sample : IL1,32,,0.001 Lot# 11707
 Misc : WG2112310,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 14:40:10 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	424451	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	131.42%	
9) Naphthalene-d8	2.974	136	1663642	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	130.96%	
18) Acenaphthene-d10	3.943	164	942743	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	130.62%	
23) Phenanthrene-d10	4.775	188	1853512	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	132.92%	
33) Chrysene-d12	6.317	240	1626978	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	138.02%	
38) Perylene-d12	7.398	264	1516070	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	132.54%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	100	0.954	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.05%#	
4) Phenol-d6	2.139	99	120	0.927	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.05%#	
8) Nitrobenzene-d5	2.599	82	86	0.832	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.08%#	
14) 2-Fluorobiphenyl	3.570	172	338	0.996	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.10%#	
22) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng/ml	
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.00%#	
32) 4-Terphenyl-d14	5.694	244	418	1.125	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.11%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
6) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
13) 1-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL1.D
 Acq On : 08 Sep 2025 09:31 pm
 Operator : SV125:ljb
 Sample : IL1,32,,0.001 Lot# 11707
 Misc : WG2112310,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 14:40:10 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	0.000		0	N.D.	d	
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
21)	Fluorene	0.000		0	N.D.	d	
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
25)	Hexachlorobenzene	4.562	284	95M1	0.944	ng/ml	
26)	Pentachlorophenol	0.000		0	N.D.	d	
27)	Phenanthrene	0.000		0	N.D.	d	
28)	Anthracene	0.000		0	N.D.	d	
29)	Fluoranthene	0.000		0	N.D.	d	
30)	Pyrene	0.000		0	N.D.	d	
31)	Benzidine	0.000		0	N.D.		
34)	Benzo[a]anthracene	0.000		0	N.D.	d	
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
36)	Chrysene	0.000		0	N.D.	d	
37)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
39)	Benzo[b]fluoranthene	0.000		0	N.D.	d	
40)	Benzo[k]fluoranthene	0.000		0	N.D.	d	
41)	Benzo[a]pyrene	0.000		0	N.D.	d	
42)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43)	Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44)	Benzo[g,h,i]perylene	0.000		0	N.D.	d	

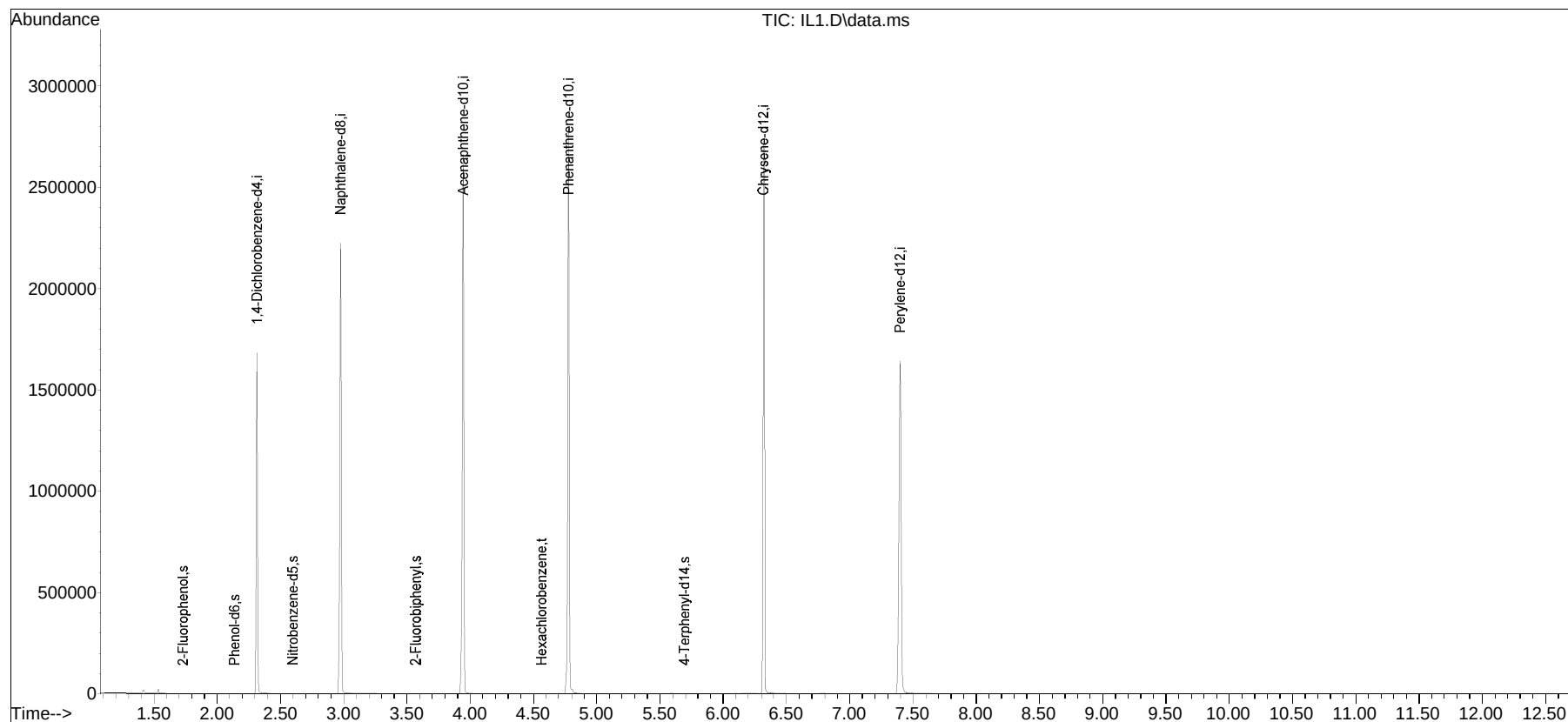
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL1.D
 Acq On : 08 Sep 2025 09:31 pm
 Operator : SV125:ljb
 Sample : IL1,32,,0.001 Lot# 11707
 Misc : WG2112310,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 14:40:10 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:31 2025
 Response via : Initial Calibration

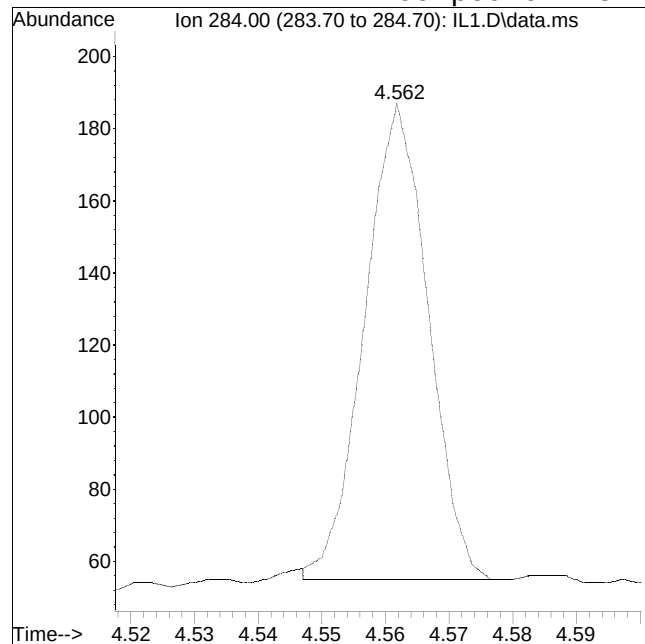
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

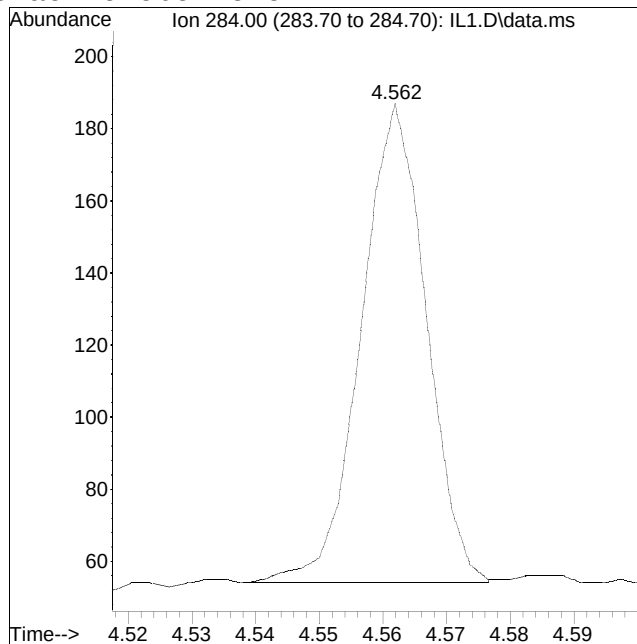
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL1.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 9:31 pm Instrument : SV125
Sample : IL1,32,,0.001 Lot# 11707 Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 92

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 95 M1

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : ICV.D
 Acq On : 08 Sep 2025 09:48 pm
 Operator : SV125:ljj
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2112310,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 15:11:14 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	170	0.00
2 T	N-Nitrosodimethylamine	0.648	0.672	-3.7	172	0.00
3 s	2-Fluorophenol	0.988	1.087	-10.0	175	0.00
4 s	Phenol-d6	1.220	1.436	-17.7	187	0.00
5 T	Bis(2-chloroethyl)ether	1.100	1.116	-1.5	167	0.00
6 T	n-nitrosodi-n-propylamine	0.731	0.758	-3.7	173	0.00
7 t	Hexachloroethane	0.502	0.495	1.4	170	0.00
8 s	Nitrobenzene-d5	0.974	1.036	-6.4	167	0.00
9 i	Naphthalene-d8	1.000	1.000	0.0	169	0.00
10 t	Naphthalene	1.058	0.997	5.8	168	0.00
11 t	Hexachlorobutadiene	0.175	0.173	1.1	169	0.00
12 t	2-Methylnaphthalene	0.617	0.645	-4.5	176	0.00
13 t	1-Methylnaphthalene	0.663	0.654	1.4	170	0.00
14 s	2-Fluorobiphenyl	0.816	0.800	2.0	170	0.00
15 t	2-Chloronaphthalene	0.693	0.687	0.9	169	0.00
16 t	2,6-Dinitrotoluene	0.128	0.137	-7.0	171	0.00
17 t	Acenaphthylene	1.095	1.139	-4.0	169	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	170	0.00
19 t	Acenaphthene	1.279	1.255	1.9	169	0.00
20 t	2,4-Dinitrotoluene	*1000.000	944.292	5.6	167	0.00
21 t	Fluorene	1.432	1.434	-0.1	169	0.00
22 s	2,4,6-Tribromophenol	0.149	0.189	-26.8#	189	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	168	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	914.376	8.6	169	0.00
25 t	Hexachlorobenzene	0.217	0.215	0.9	166	0.00
26 t	Pentachlorophenol	*1000.000	1278.747	-27.9#	240	0.00
27 t	Phenanthrene	1.143	1.097	4.0	164	0.00
28 t	Anthracene	1.090	1.104	-1.3	169	0.00
29 t	Fluoranthene	1.236	1.258	-1.8	172	0.00
30 t	Pyrene	1.268	1.279	-0.9	167	0.00
31 T	Benzidine	*1000.000	697.699	30.2#	123	0.00
32 s	4-Terphenyl-d14	0.802	0.784	2.2	170	0.00
33 i	Chrysene-d12	1.000	1.000	0.0	167	0.00
34 t	Benzo[a]anthracene	*1000.000	1016.927	-1.7	170	0.00
35 t	3,3'-Dichlorobenzidine	*1000.000	1009.506	-1.0	176	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : ICV.D
 Acq On : 08 Sep 2025 09:48 pm
 Operator : SV125:ljj
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2112310,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 15:11:14 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area	% Dev(min)
36 t	Chrysene	1.270	1.286	-1.3	163	0.00
37 T	Bis(2-ethylhexyl)phthalate	*1000.000	1054.035	-5.4	184	-0.01
38 i	Perylene-d12	1.000	1.000	0.0	173	0.00
39 t	Benzo[b]fluoranthene	1.265	1.248	1.3	171	0.00
40 t	Benzo[k]fluoranthene	1.282	1.298	-1.2	165	0.00
41 t	Benzo[a]pyrene	1.119	1.168	-4.4	171	0.00
42 t	Indeno[1,2,3-cd]pyrene	1.063	1.105	-4.0	170	0.00
43 t	Dibenzo[a,h]anthracene	1.054	1.048	0.6	166	0.00
44 t	Benzo[g,h,i]perylene	1.096	1.115	-1.7	169	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : ICV.D
 Acq On : 08 Sep 2025 09:48 pm
 Operator : SV125:ljj
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2112310,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 15:11:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	549674	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery = 170.19%			
9) Naphthalene-d8	2.974	136	2151880	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery = 169.39%			
18) Acenaphthene-d10	3.944	164	1229169	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery = 170.31%			
23) Phenanthrene-d10	4.776	188	2347522	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery = 168.34%			
33) Chrysene-d12	6.318	240	1966263	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery = 166.80%			
38) Perylene-d12	7.396	264	1973423	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery = 172.53%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.734	112	149314	1100.039	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 55.00%			
4) Phenol-d6	2.139	99	197284	1176.476	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 58.82%			
8) Nitrobenzene-d5	2.596	82	142354	1063.070	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 106.31%			
14) 2-Fluorobiphenyl	3.571	172	430372	980.005	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 98.00%			
22) 2,4,6-Tribromophenol	4.384	330	58146	1272.383	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 63.62%			
32) 4-Terphenyl-d14	5.693	244	460025	977.828	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.78%			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.243	74	92359	1037.095	ng/mL	98
5) Bis(2-chloroethyl)ether	2.188	93	153317	1014.041	ng/ml	99
6) n-nitrosodi-n-propylamine	2.521	70	104142	1036.629	ng/ml	100
7) Hexachloroethane	2.574	117	68051	986.702	ng/ml	100
10) Naphthalene	2.984	128	536172	942.262	ng/ml	100
11) Hexachlorobutadiene	3.061	225	93306	989.749	ng/ml	100
12) 2-Methylnaphthalene	3.364	142	346747	1044.089	ng/ml	99
13) 1-Methylnaphthalene	3.419	142	351657	985.579	ng/ml	100
15) 2-Chloronaphthalene	3.632	162	369582	991.578	ng/ml	100
16) 2,6-Dinitrotoluene	3.831	165	73472	1067.879	ng/ml	99
17) Acenaphthylene	3.862	152	612911	1040.104	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : ICV.D
 Acq On : 08 Sep 2025 09:48 pm
 Operator : SV125:ljj
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2112310,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 15:11:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.959	153	385554	981.135	ng/ml	99
20)	2,4-Dinitrotoluene	4.054	165	97688	944.292	ng/ml	100
21)	Fluorene	4.250	166	440710	1001.507	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.283	198	48509	914.376	ng/ml	99
25)	Hexachlorobenzene	4.563	284	125946	988.165	ng/ml	100
26)	Pentachlorophenol	4.675	266	57695	1278.747	ng/ml	99
27)	Phenanthrene	4.788	178	643749	960.067	ng/ml	100
28)	Anthracene	4.817	178	648043	1013.094	ng/ml	100
29)	Fluoranthene	5.462	202	738541	1018.487	ng/ml	100
30)	Pyrene	5.592	202	750751	1008.722	ng/ml	100
31)	Benzidine	5.548	184	172795	697.699	ng/mL	99
34)	Benzo[a]anthracene	6.308	226	192491	1016.927	ng/ml	99
35)	3,3'-Dichlorobenzidine	6.302	252	256293	1009.506	ng/ml	100
36)	Chrysene	6.332	228	632333	1012.716	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.351	149	383137	1054.035	ng/ml	100
39)	Benzo[b]fluoranthene	7.059	252	615584	986.072	ng/ml	100
40)	Benzo[k]fluoranthene	7.083	252	640234	1012.072	ng/ml	99
41)	Benzo[a]pyrene	7.336	252	576417	1044.540	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.489	276	544926	1039.274	ng/ml	98
43)	Dibenzo[a,h]anthracene	8.526	278	516804M6	994.098	ng/ml	
44)	Benzo[g,h,i]perylene	8.796	276	550008	1017.532	ng/ml	100

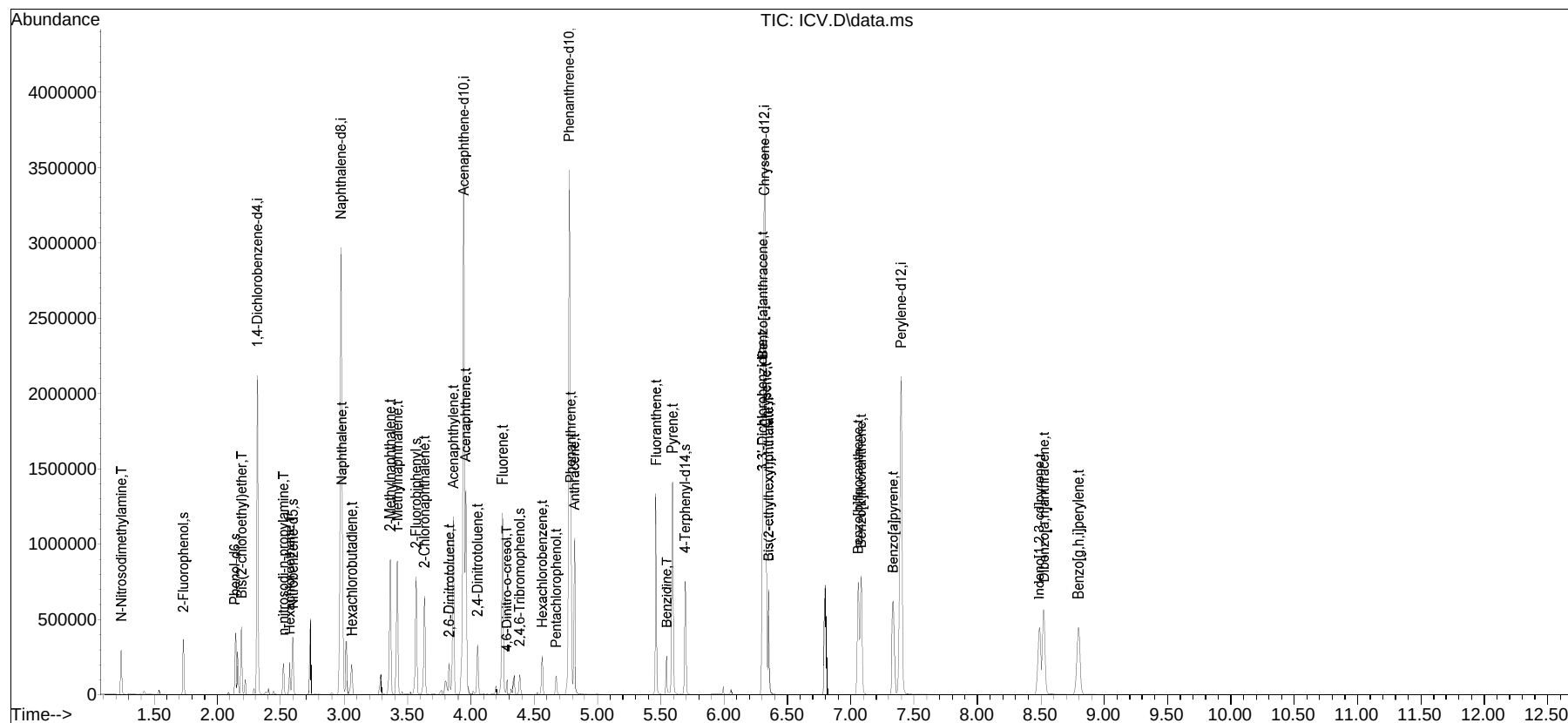
(#) = qualifier out of range (m) = manual integration (+) = signals summed

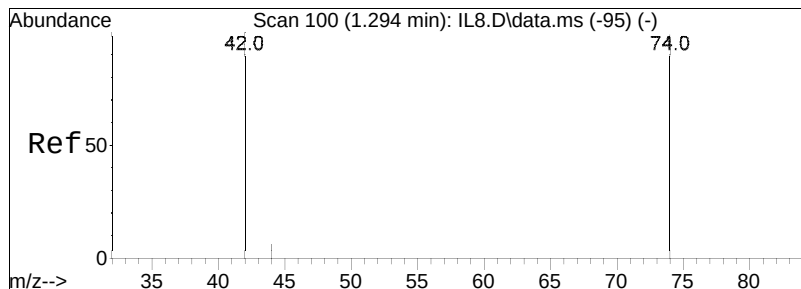
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : ICV.D
 Acq On : 08 Sep 2025 09:48 pm
 Operator : SV125:ljj
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2112310,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 15:11:14 2025
 Response via : Initial Calibration

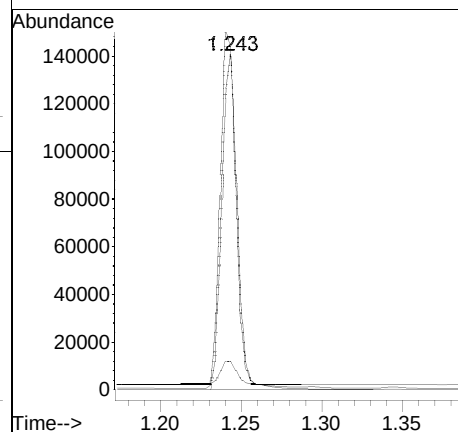
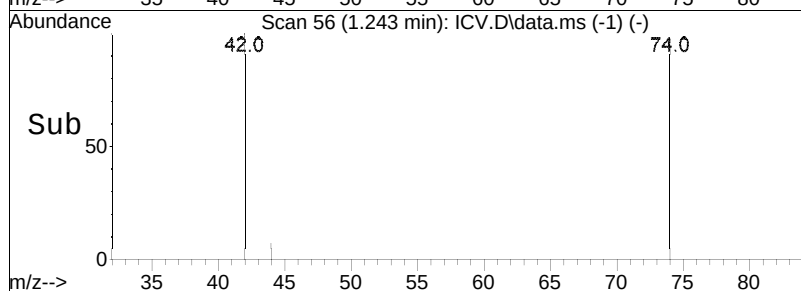
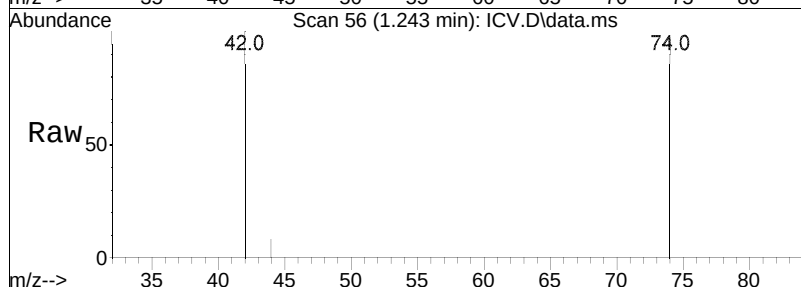
Sub List : Default - All compounds listedical\IL8.D•

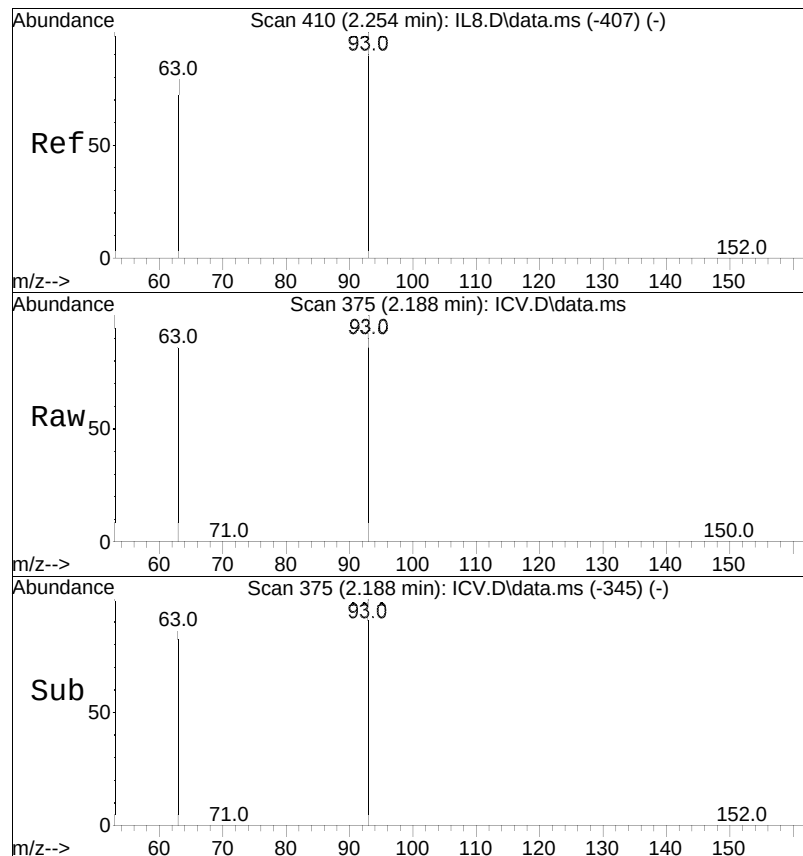




#2
 N-Nitrosodimethylamine
 Concen: 1037.09 ng/mL
 RT: 1.243 min Scan# 56
 Delta R.T. 0.006 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

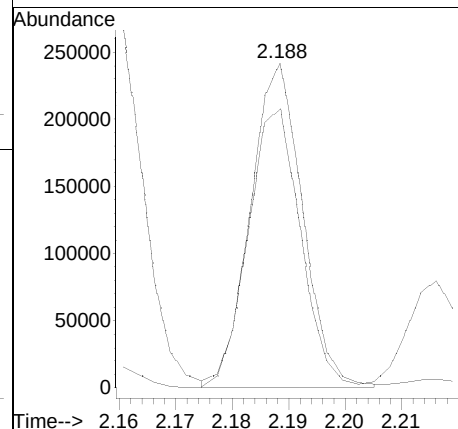
Tgt Ion: 74 Resp: 92359
 Ion Ratio Lower Upper
 74 100
 42 106.4 86.9 130.3
 44 8.5 5.8 8.8

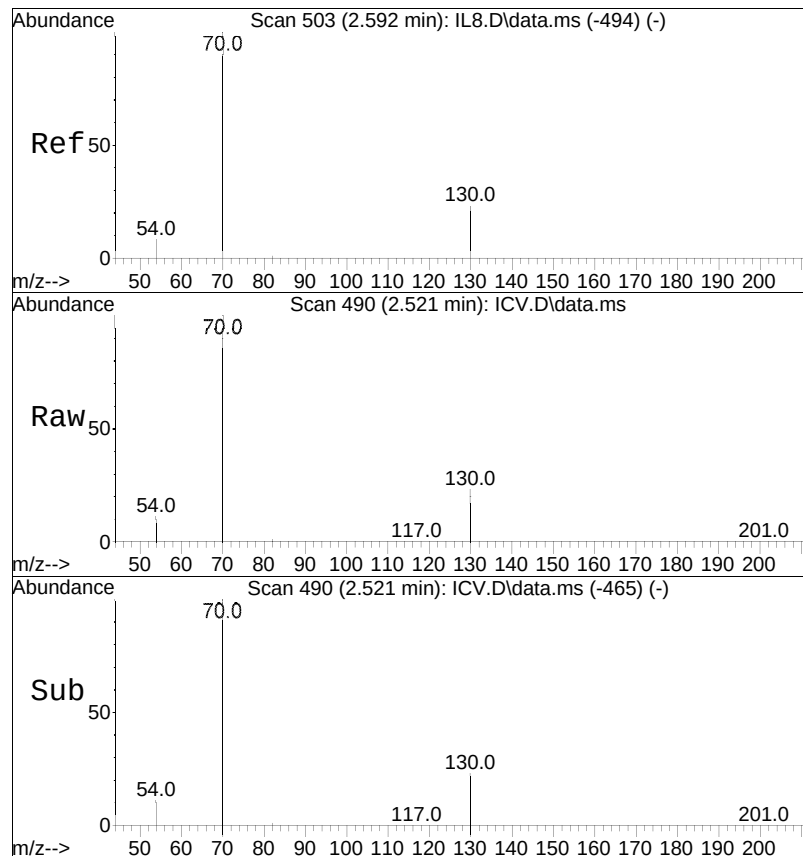




#5
 Bis(2-chloroethyl)ether
 Concen: 1014.04 ng/ml
 RT: 2.188 min Scan# 375
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

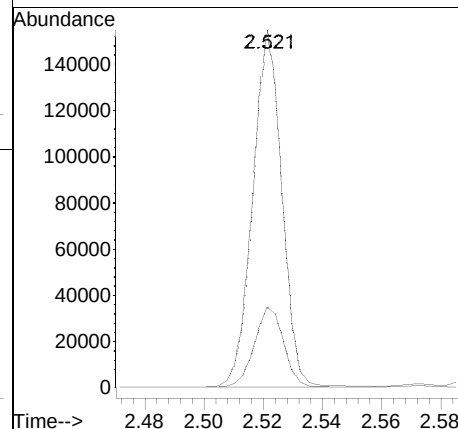
Tgt Ion	Ratio	Lower	Upper
93	100		
63	87.1	68.6	103.0

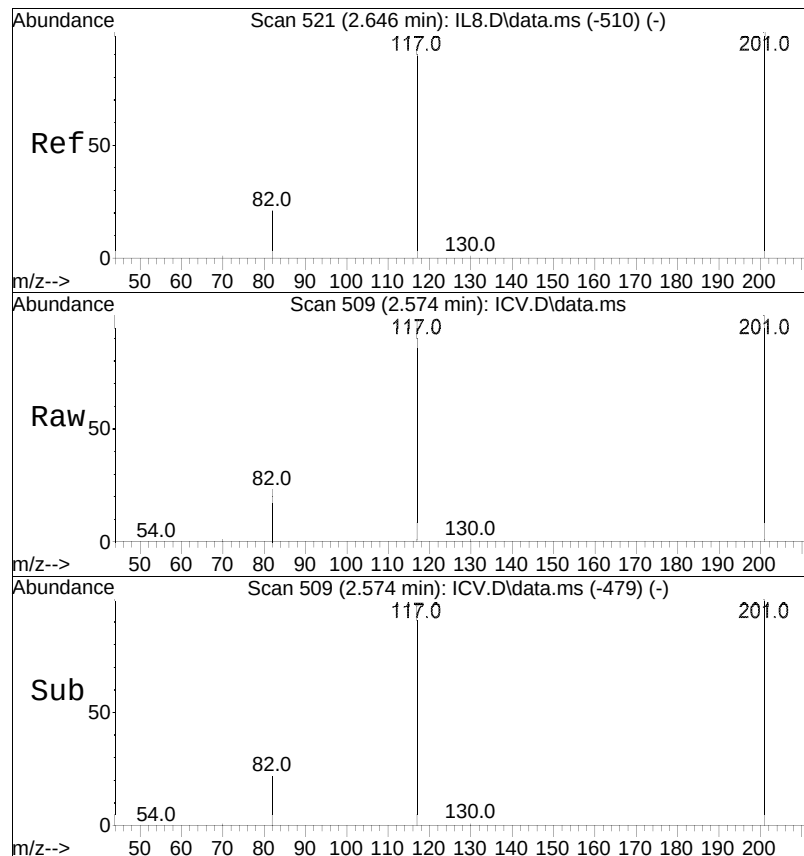




#6
 n-nitrosodi-n-propylamine
 Concen: 1036.63 ng/ml
 RT: 2.521 min Scan# 490
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

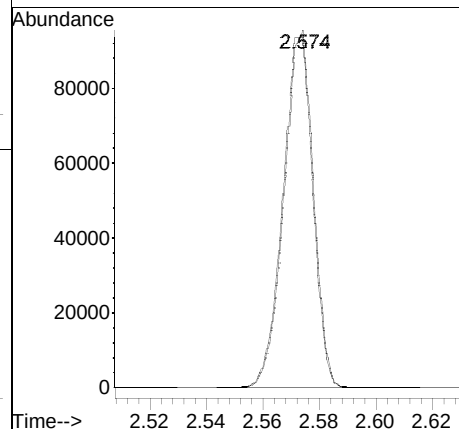
Tgt Ion:	70	Resp:	104142
Ion Ratio	Lower	Upper	
70	100		
130	22.8	18.4	27.6

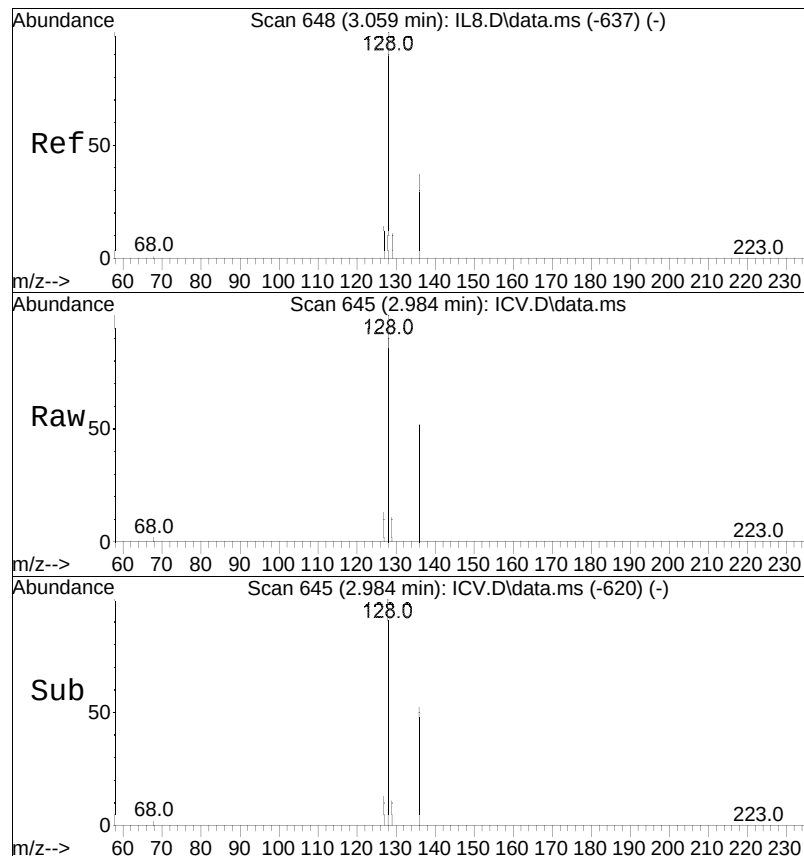




#7
 Hexachloroethane
 Concen: 986.70 ng/ml
 RT: 2.574 min Scan# 509
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

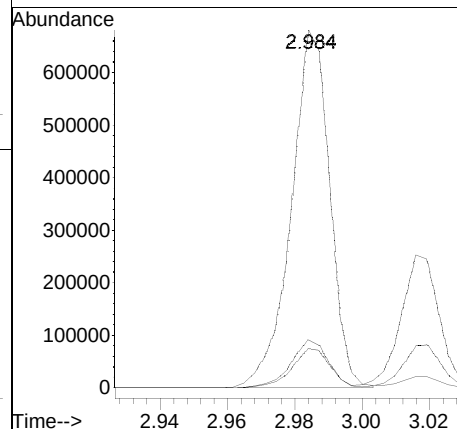
Tgt	Ion	Ratio	Lower	Upper
117	100			
201	99.8	80.2	120.2	

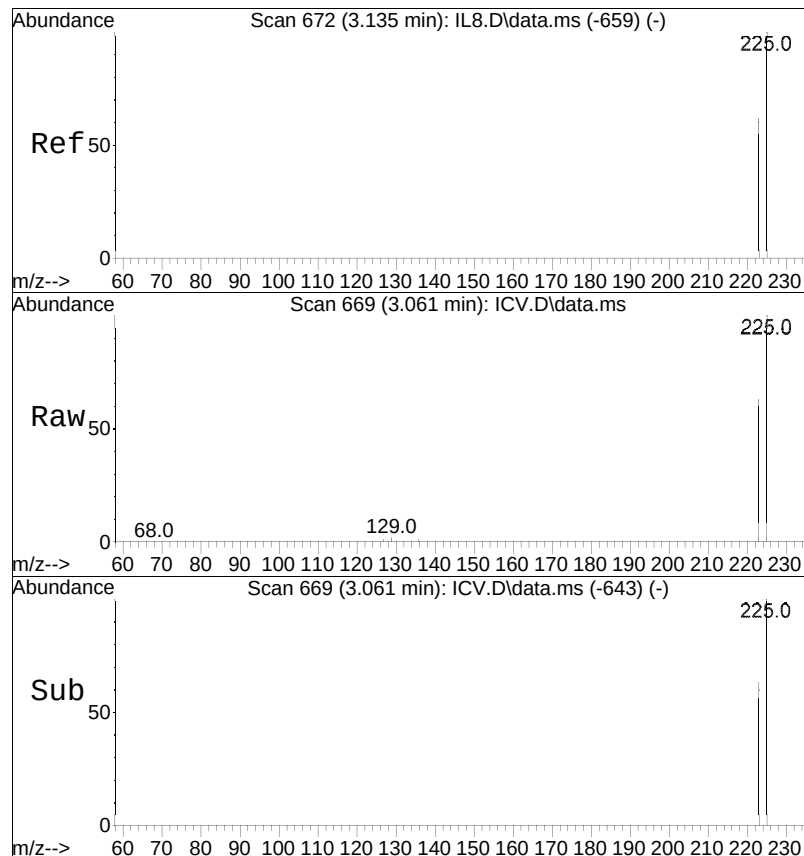




#10
 Naphthalene
 Concen: 942.26 ng/ml
 RT: 2.984 min Scan# 645
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

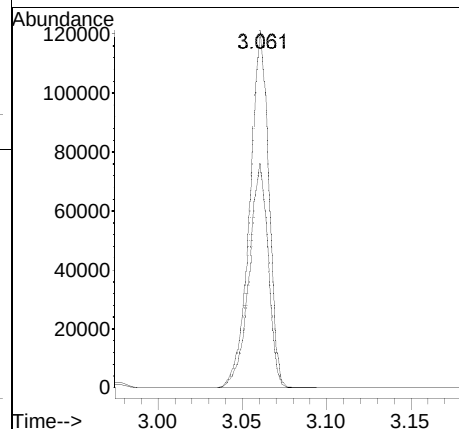
Tgt	Ion	128	Resp:	536172
Ion	Ratio	Lower	Upper	
128	100			
129	11.1	8.8	13.2	
127	13.2	10.6	15.8	

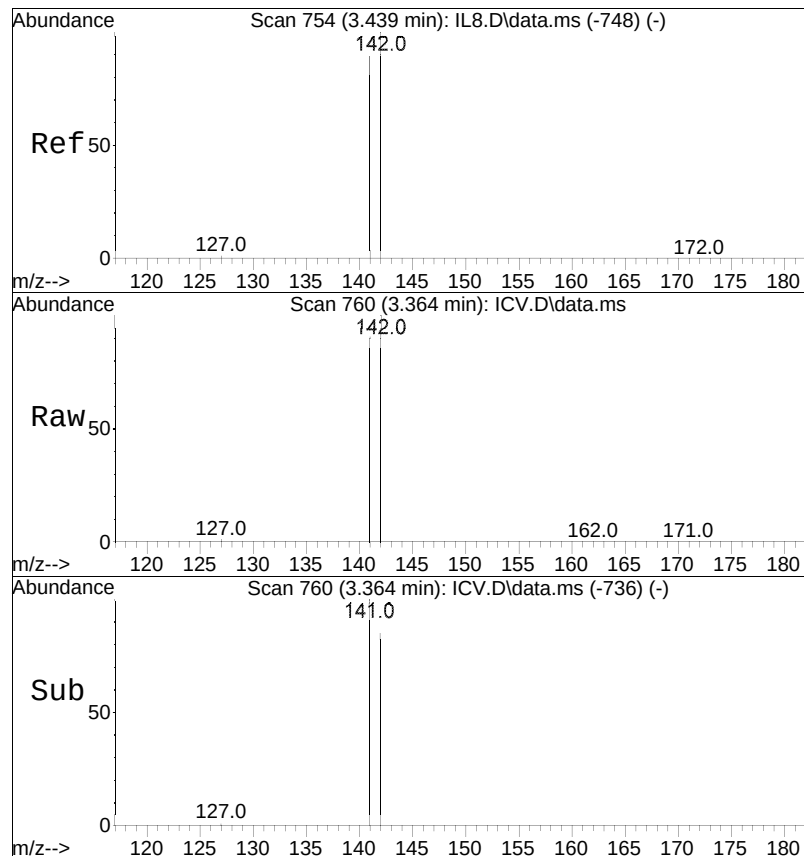




#11
 Hexachlorobutadiene
 Concen: 989.75 ng/ml
 RT: 3.061 min Scan# 669
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

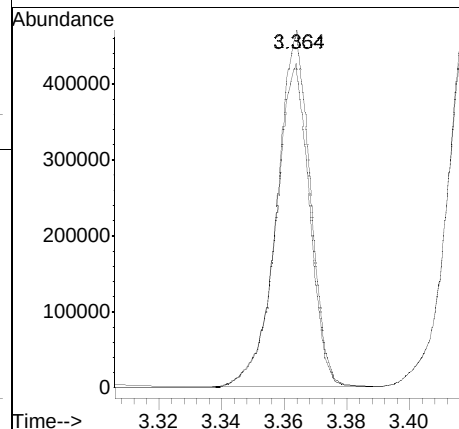
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	75.8

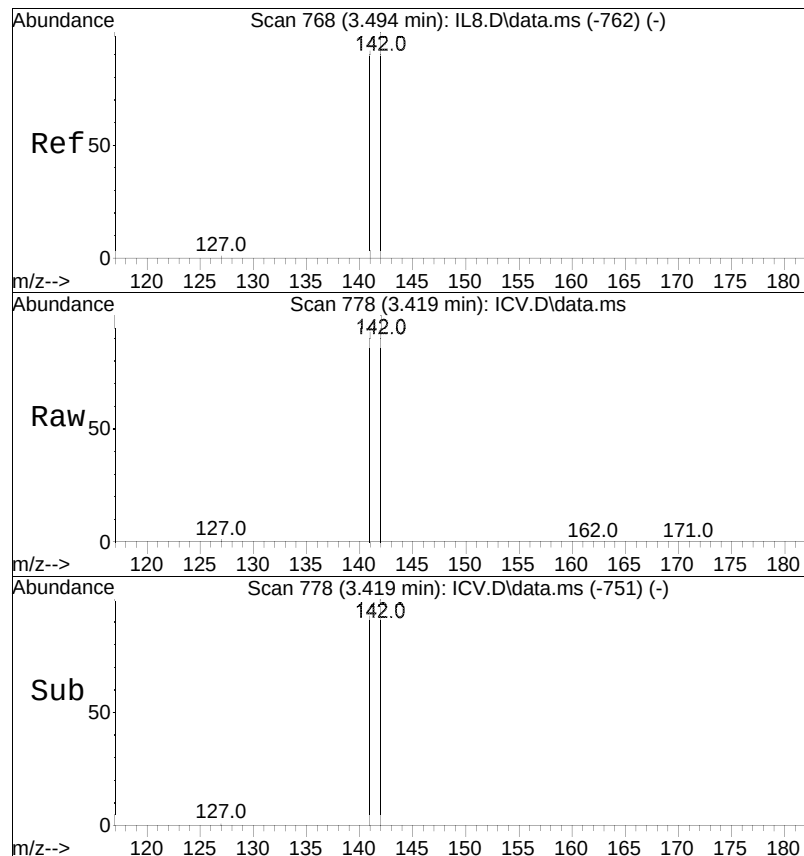




#12
 2-Methylnaphthalene
 Concen: 1044.09 ng/ml
 RT: 3.364 min Scan# 760
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

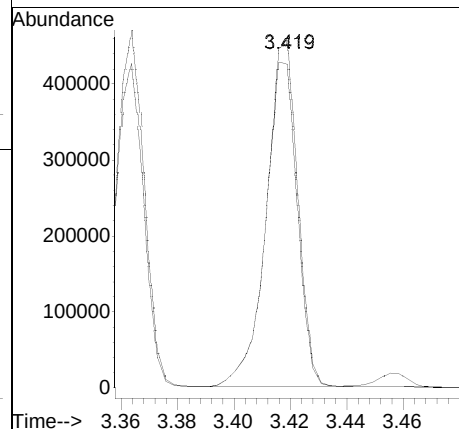
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.2	111.4

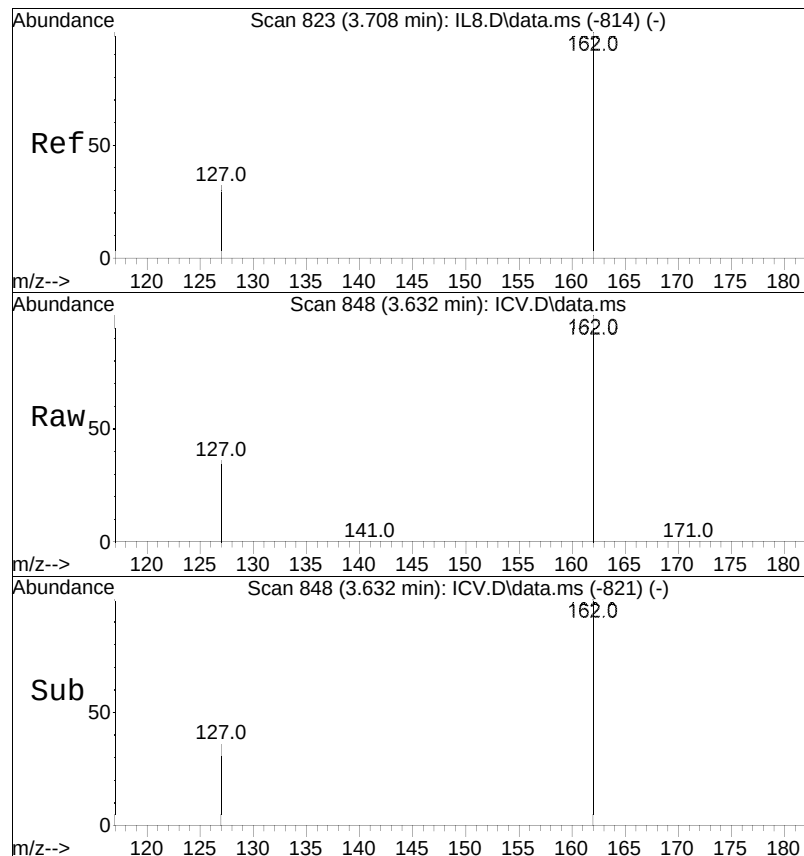




#13
 1-Methylnaphthalene
 Concen: 985.58 ng/ml
 RT: 3.419 min Scan# 778
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

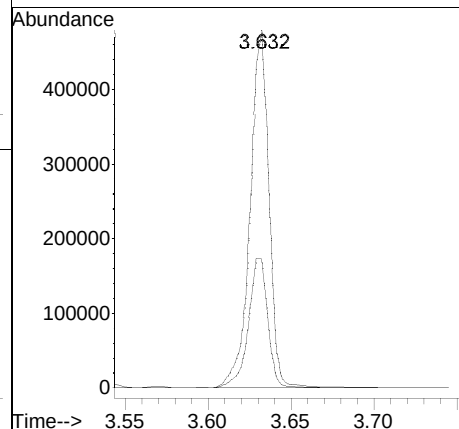
Tgt Ion:	142	Resp:	351657
Ion Ratio	Lower	Upper	
142	100		
141	95.0	76.3	114.5

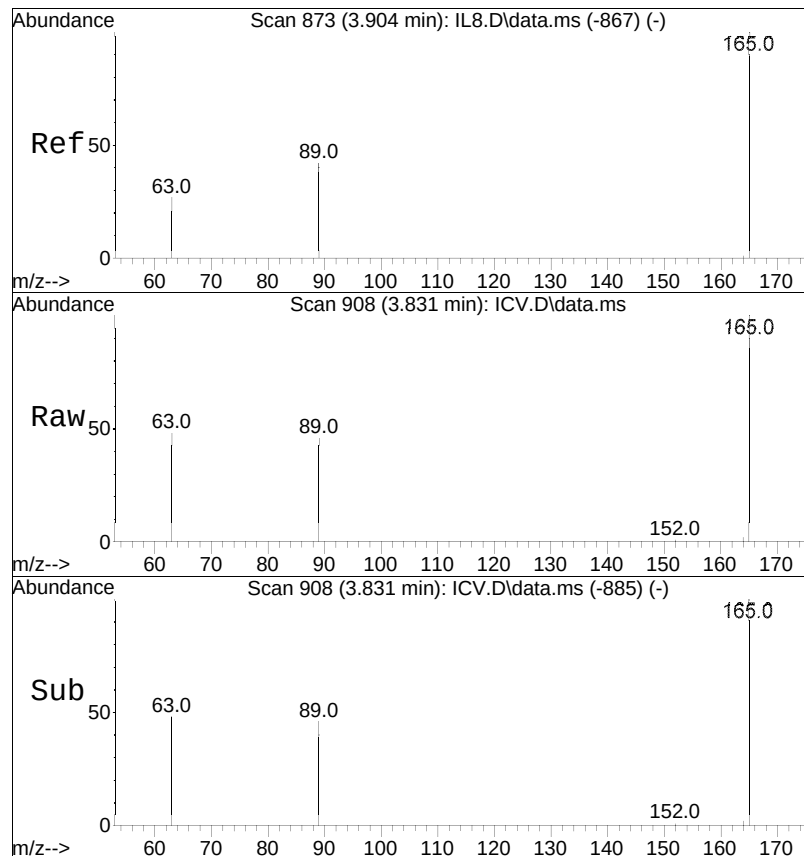




#15
 2-Chloronaphthalene
 Concen: 991.58 ng/ml
 RT: 3.632 min Scan# 848
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

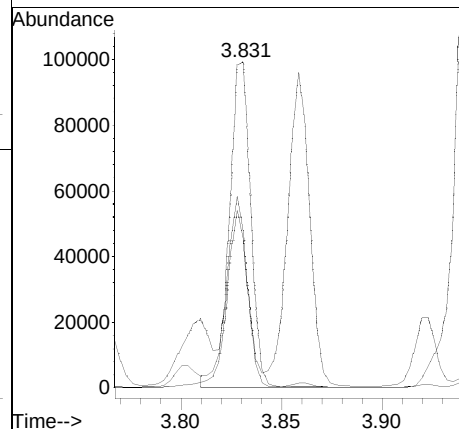
Tgt Ion:	162	Resp:	369582
Ion Ratio	Lower	Upper	
162	100		
127	37.6	30.0	45.0

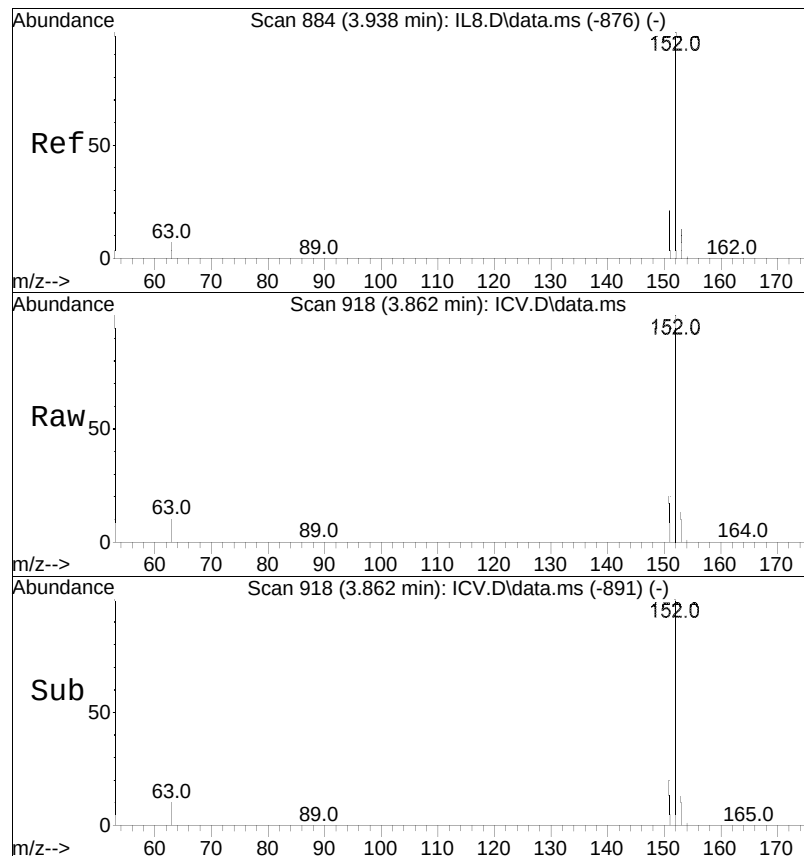




#16
 2,6-Dinitrotoluene
 Concen: 1067.88 ng/ml
 RT: 3.831 min Scan# 908
 Delta R.T. 0.004 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

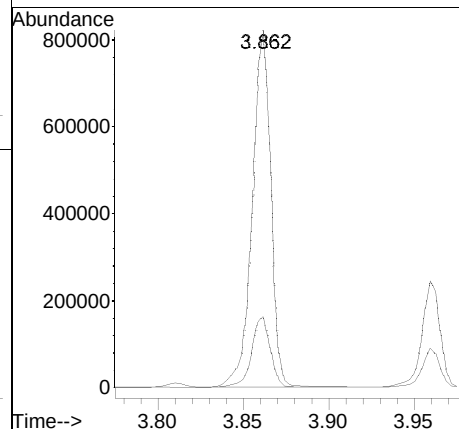
Tgt Ion:	165	Resp:	73472
Ion Ratio	Lower	Upper	
165	100		
89	52.8	43.1	64.7
63	54.7	43.4	65.2

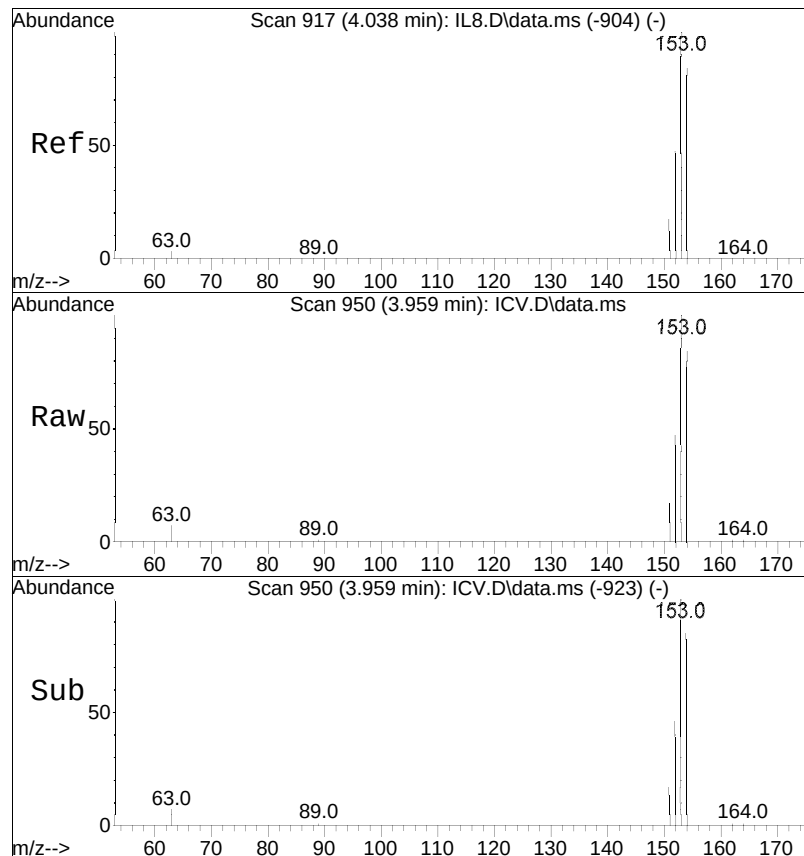




#17
 Acenaphthylene
 Concen: 1040.10 ng/ml
 RT: 3.862 min Scan# 918
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

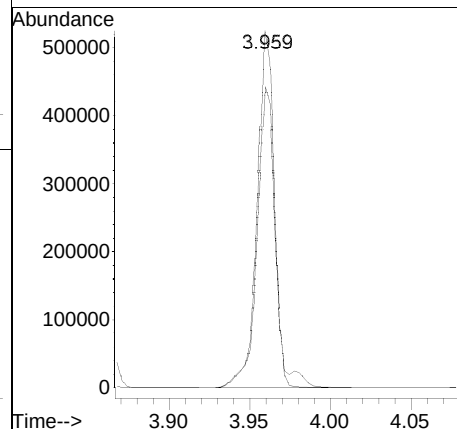
Tgt Ion:	152	Resp:	612911
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.1	24.1

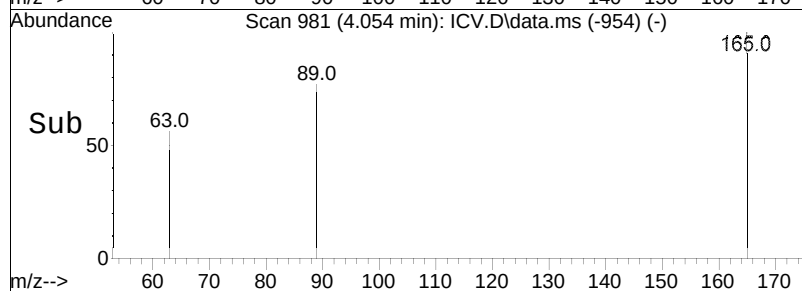
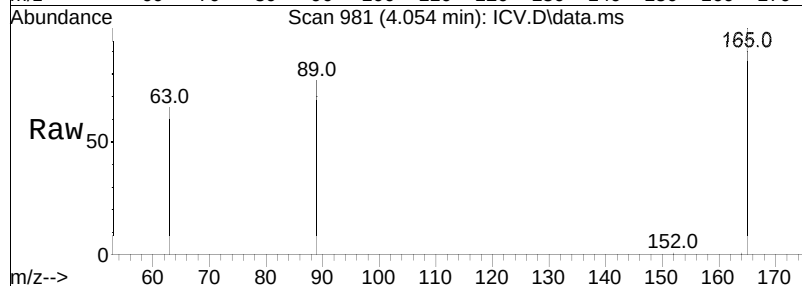
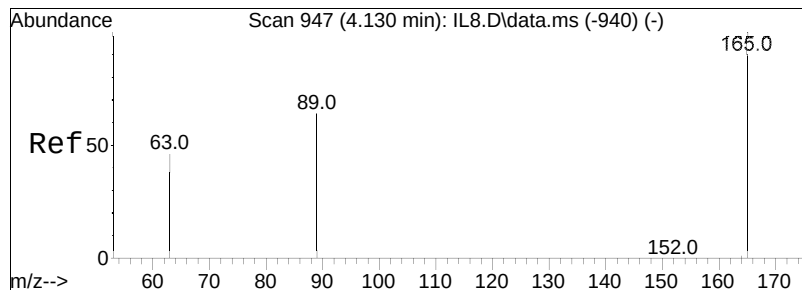




#19
 Acenaphthene
 Concen: 981.13 ng/ml
 RT: 3.959 min Scan# 950
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

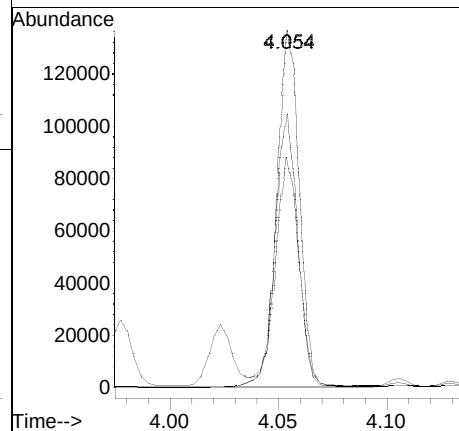
Tgt Ion:	153	Resp:	385554
Ion Ratio	Lower	Upper	
153	100		
154	90.9	72.2	108.4

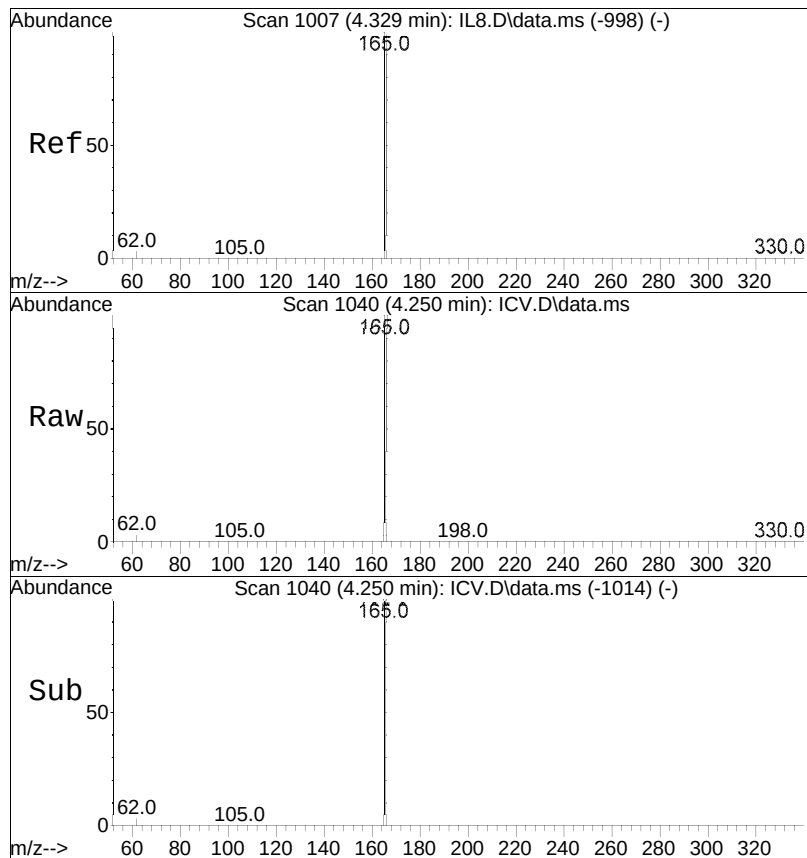




#20
 2,4-Dinitrotoluene
 Concen: 944.29 ng/ml
 RT: 4.054 min Scan# 981
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

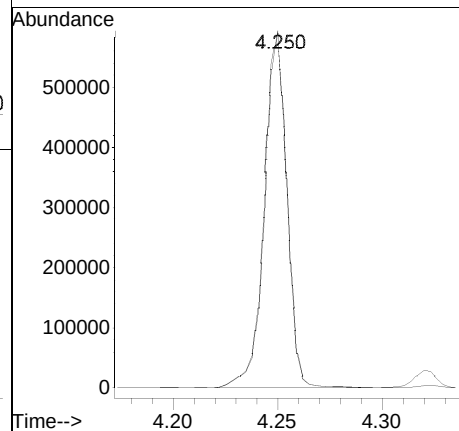
Tgt Ion:	165	Resp:	97688
Ion Ratio	Lower	Upper	
165	100		
89	78.2	62.5	93.7
63	67.1	53.8	80.6

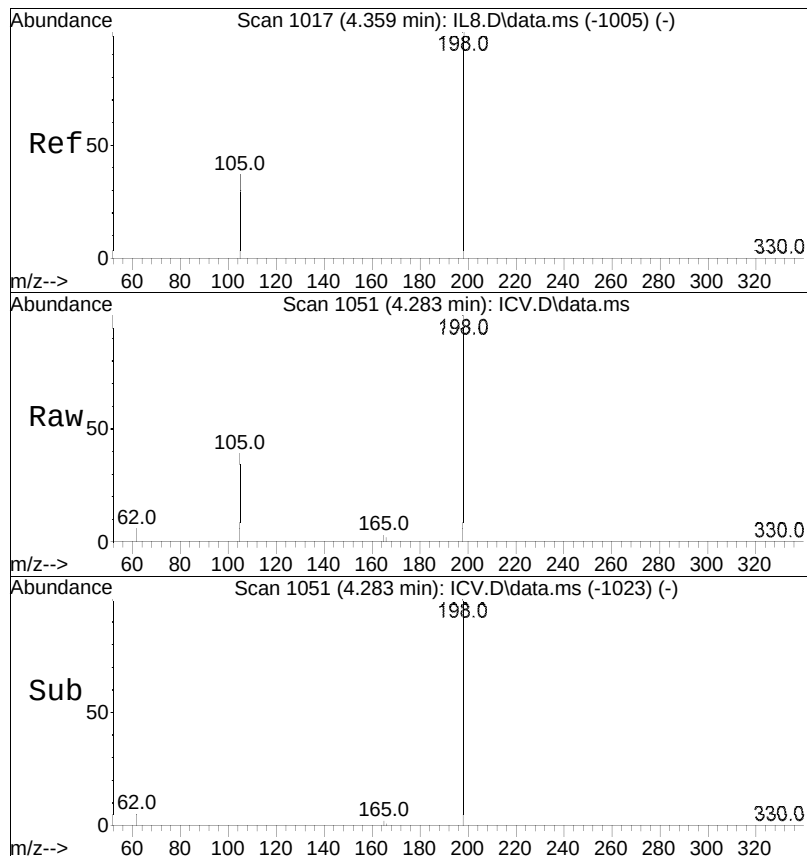




#21
 Fluorene
 Concen: 1001.51 ng/ml
 RT: 4.250 min Scan# 1040
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

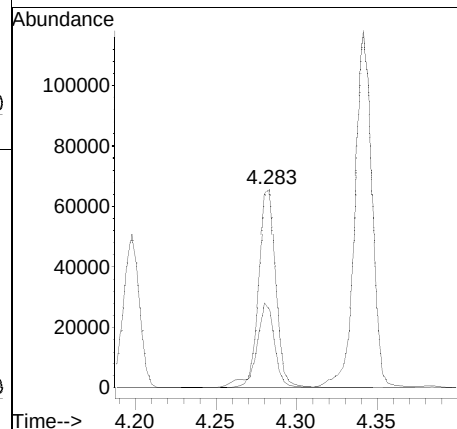
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	81.5	122.3

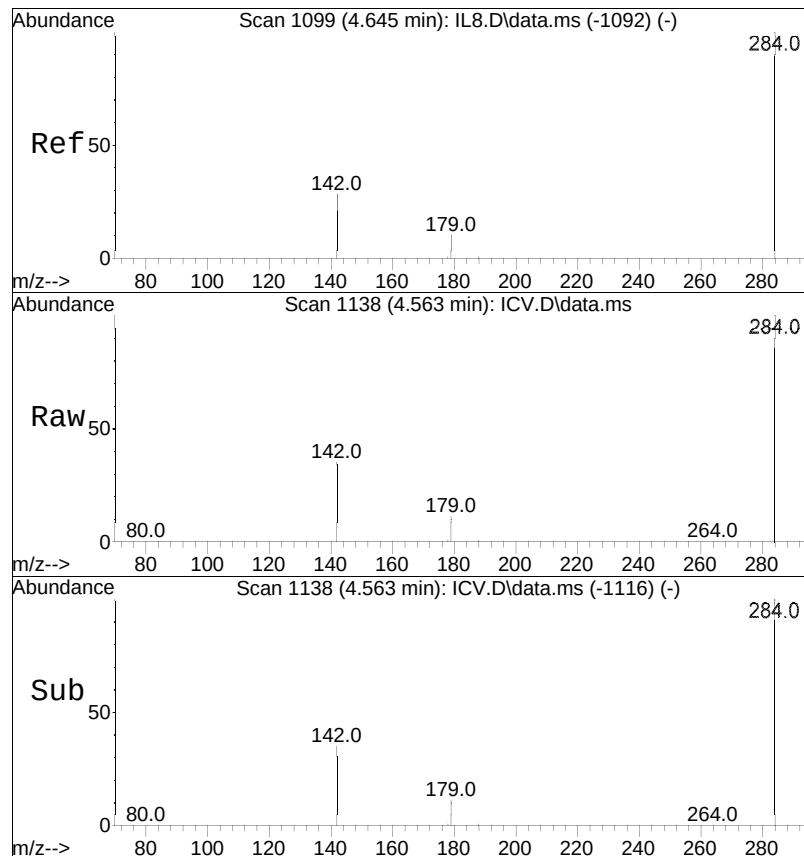




#24
 4,6-Dinitro-o-cresol
 Concen: 914.38 ng/ml
 RT: 4.283 min Scan# 1051
 Delta R.T. 0.004 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

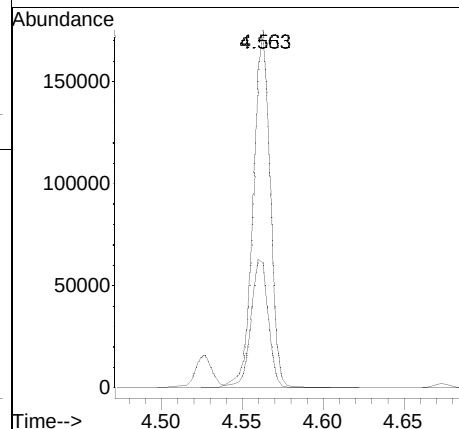
Tgt Ion	198	105	Ratio	Lower	Upper
Resp	48509				
Ion Ratio	100	44.8			
		35.4		53.0	

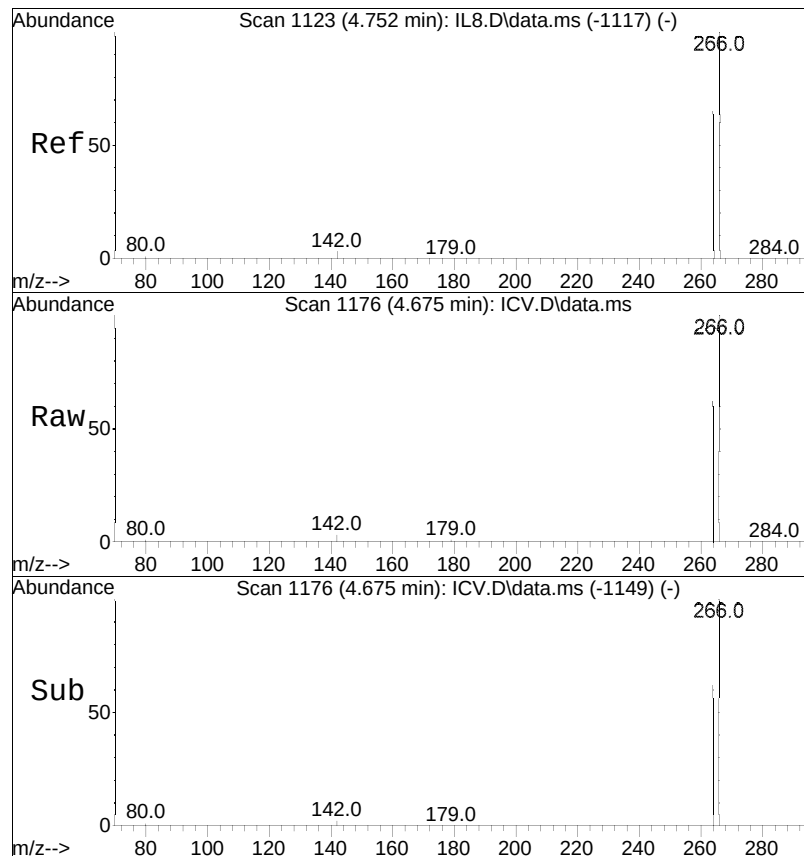




#25
 Hexachlorobenzene
 Concen: 988.16 ng/ml
 RT: 4.563 min Scan# 1138
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

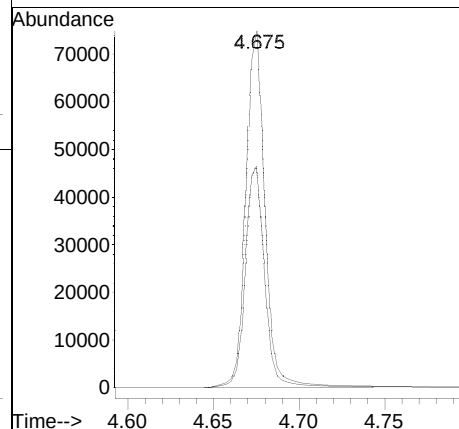
Tgt	Ion	Ratio	Lower	Upper
284	100			
142	37.1	29.4	44.2	

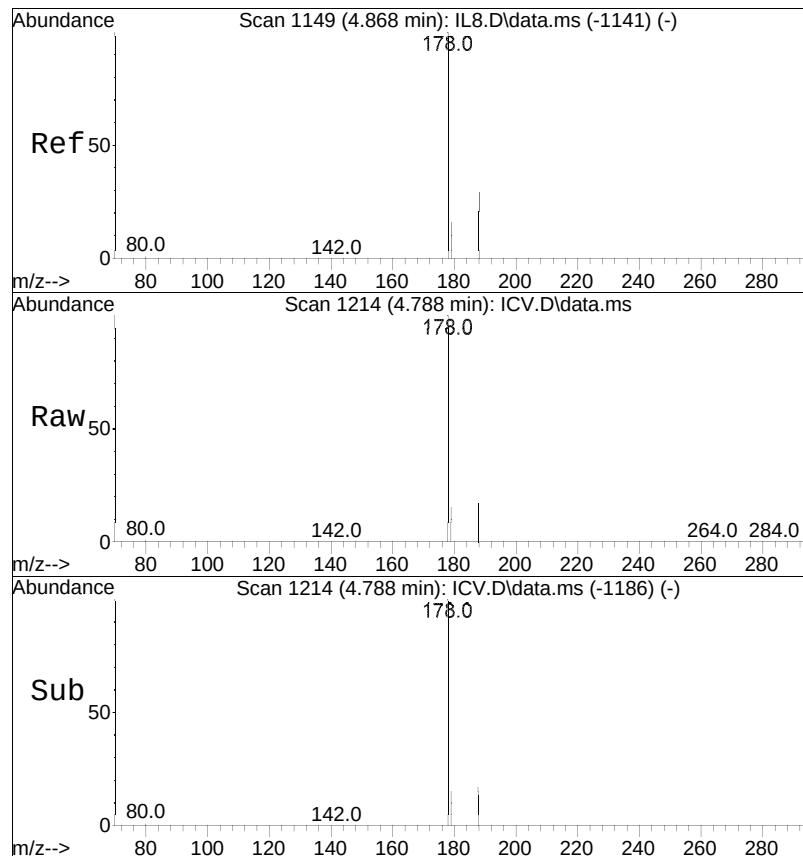




#26
 Pentachlorophenol
 Concen: 1278.75 ng/ml
 RT: 4.675 min Scan# 1176
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

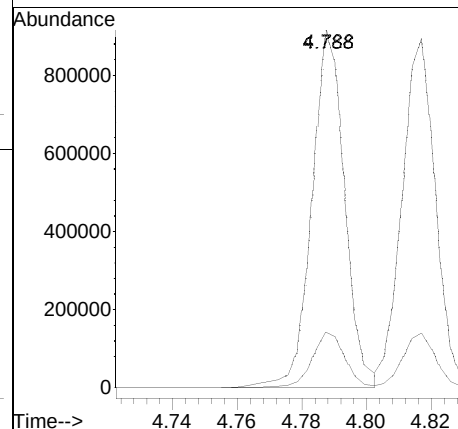
Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.9	74.9

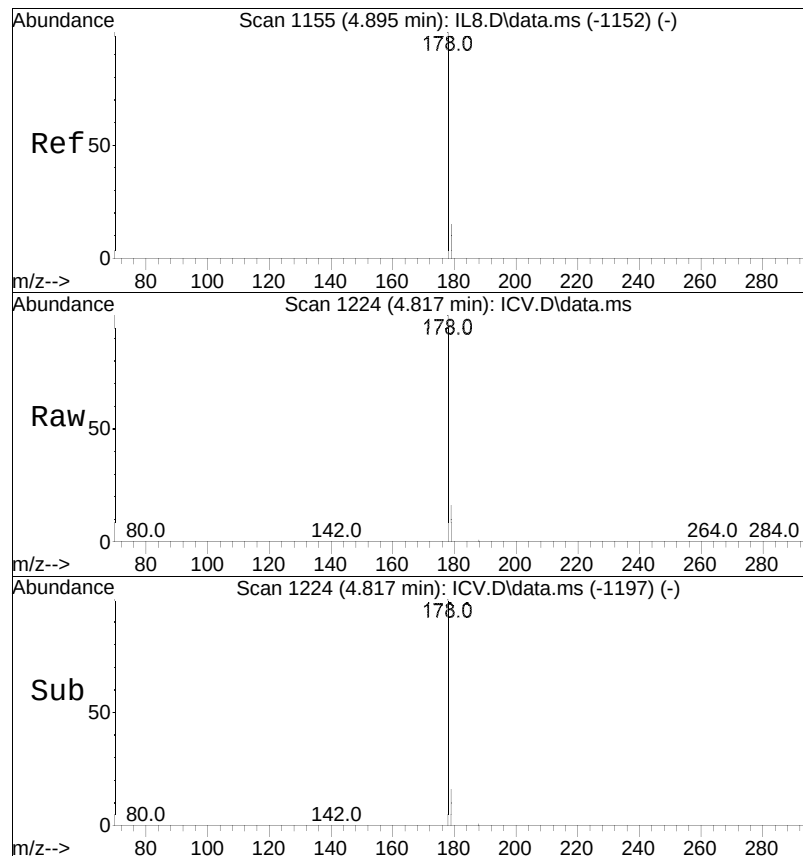




#27
 Phenanthrene
 Concen: 960.07 ng/ml
 RT: 4.788 min Scan# 1214
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

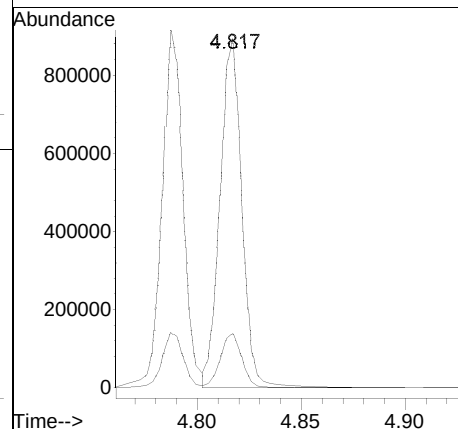
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7

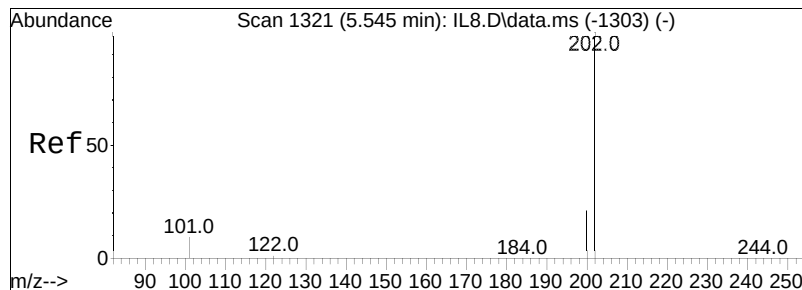




#28
 Anthracene
 Concen: 1013.09 ng/ml
 RT: 4.817 min Scan# 1224
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

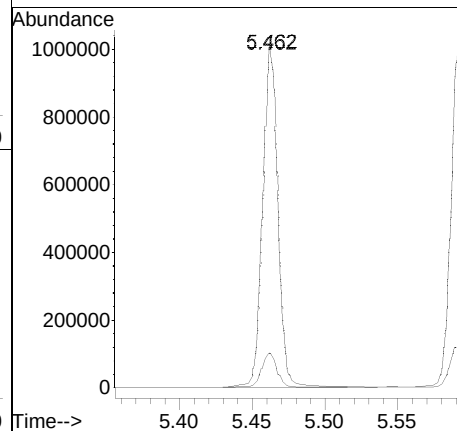
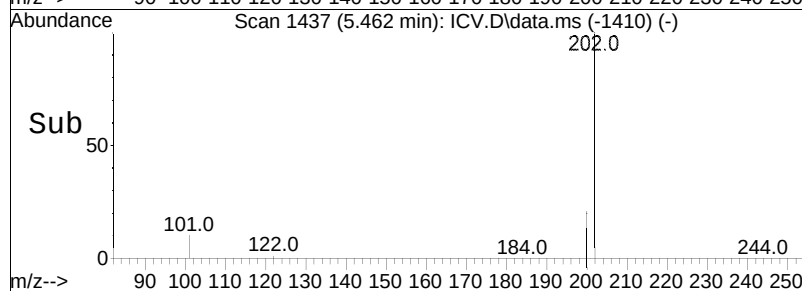
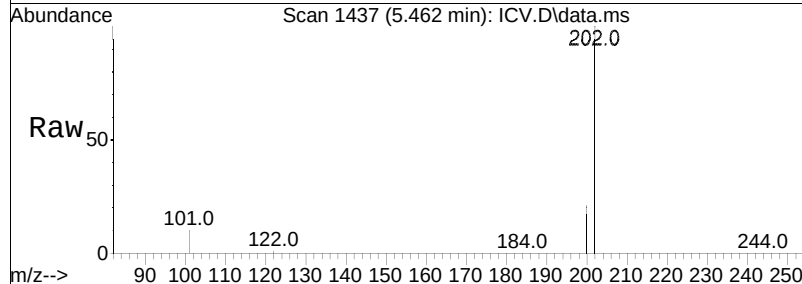
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

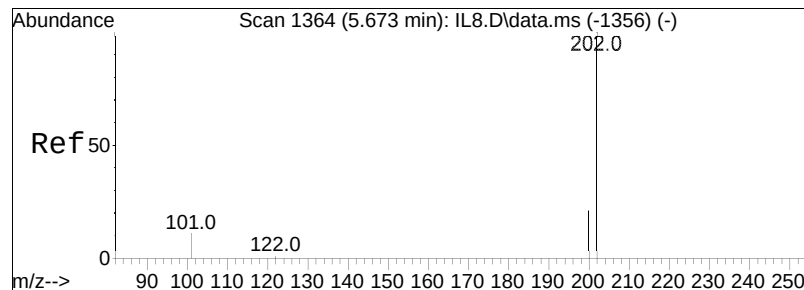




#29
 Fluoranthene
 Concen: 1018.49 ng/ml
 RT: 5.462 min Scan# 1437
 Delta R.T. -0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

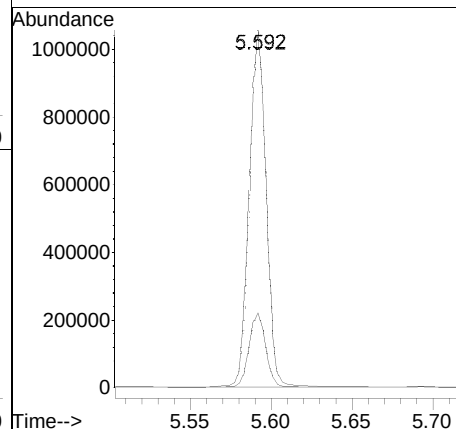
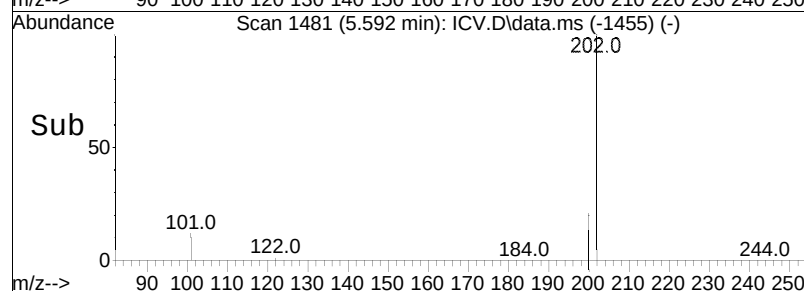
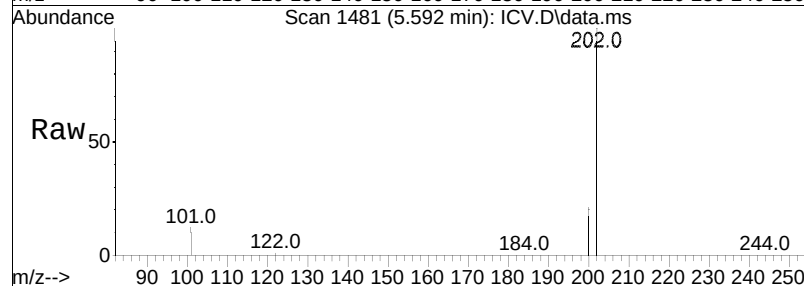
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		738541		
101	10.2	8.3	12.5		

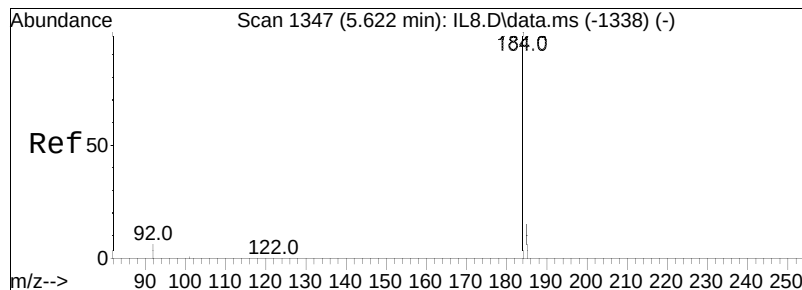




#30
 Pyrene
 Concen: 1008.72 ng/ml
 RT: 5.592 min Scan# 1481
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

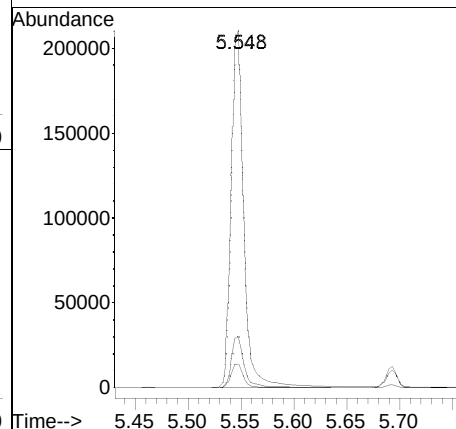
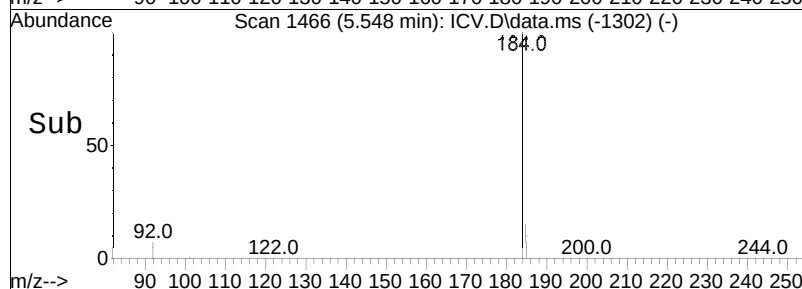
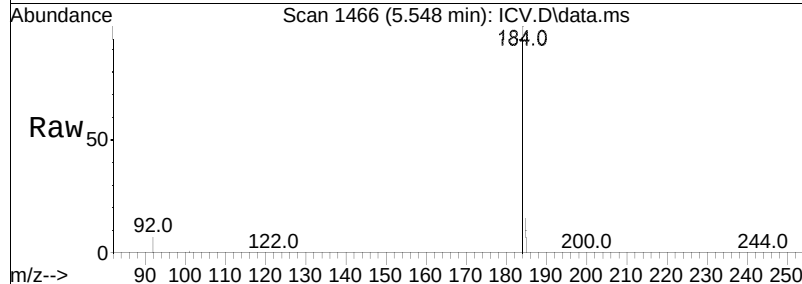
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2

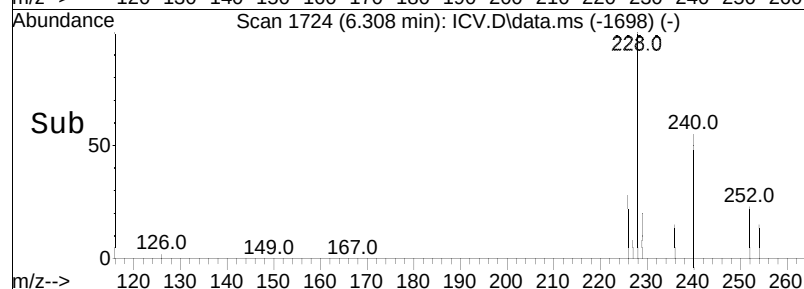
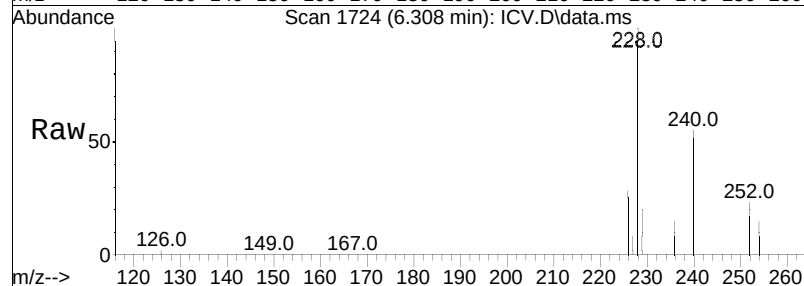
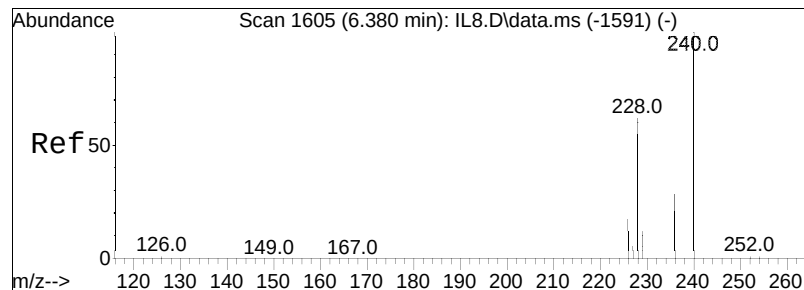




#31
Benzidine
Concen: 697.70 ng/mL
RT: 5.548 min Scan# 1466
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 08 Sep 2025 09:48 pm

Tgt Ion	Ratio	Lower	Upper
184	100		
92	6.7	5.4	8.0
185	14.4	11.2	16.8





#34

Benzo[a]anthracene

Concen: 1016.93 ng/ml

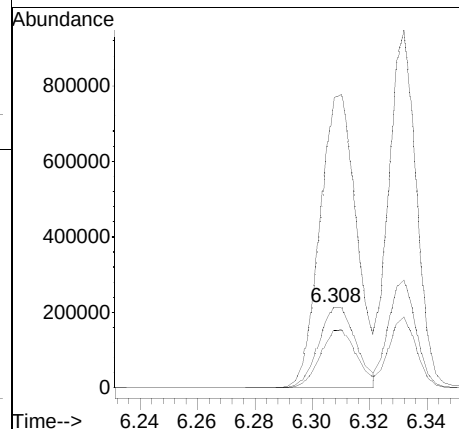
RT: 6.308 min Scan# 1724

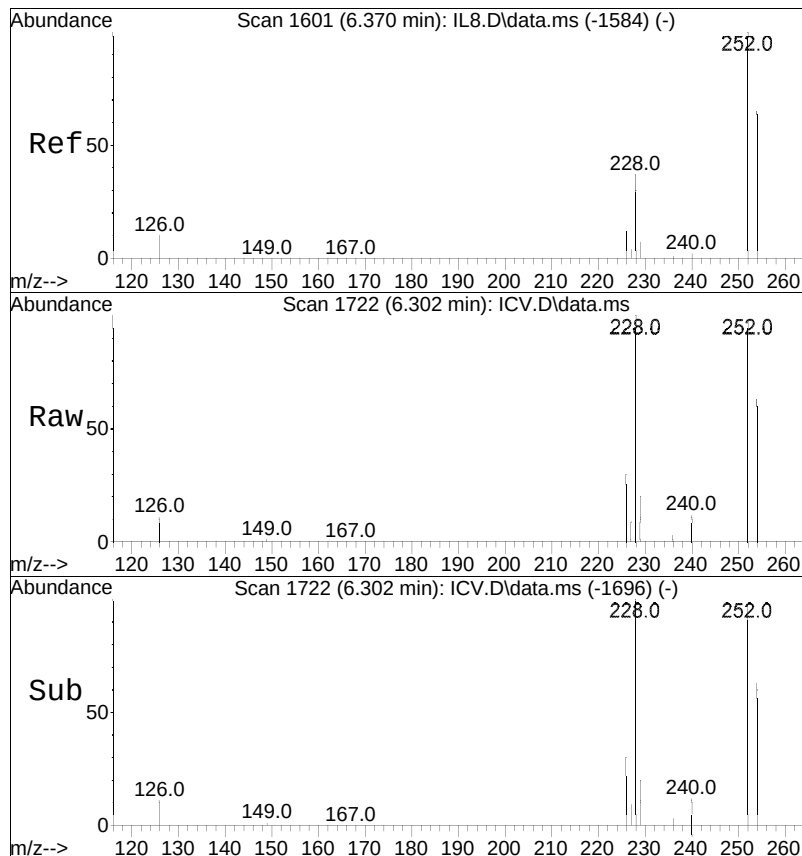
Delta R.T. -0.009 min

Lab File: ICV.D

Acq: 08 Sep 2025 09:48 pm

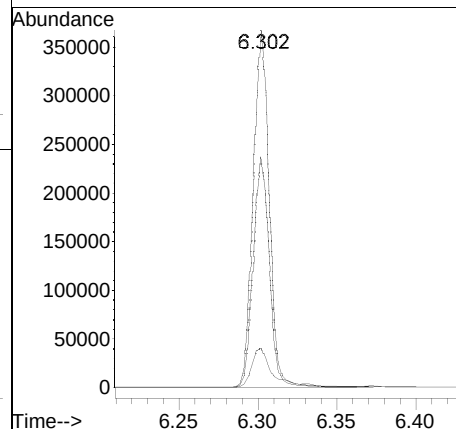
Tgt	Ion	Ratio	Lower	Upper
226	226	100		
229	229	70.3	56.4	84.6
228	228	357.0	287.5	431.3
229	229	70.3	56.4	84.6

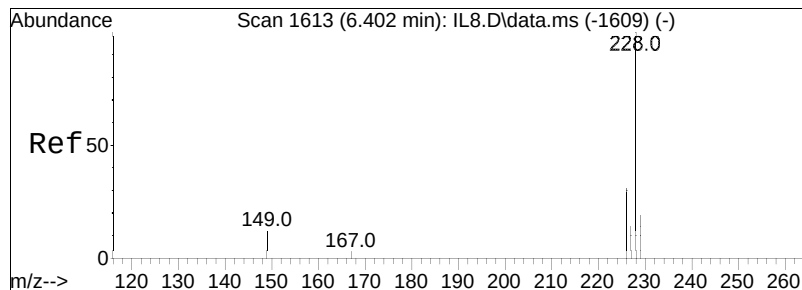




#35
 3,3'-Dichlorobenzidine
 Concen: 1009.51 ng/ml
 RT: 6.302 min Scan# 1722
 Delta R.T. -0.009 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

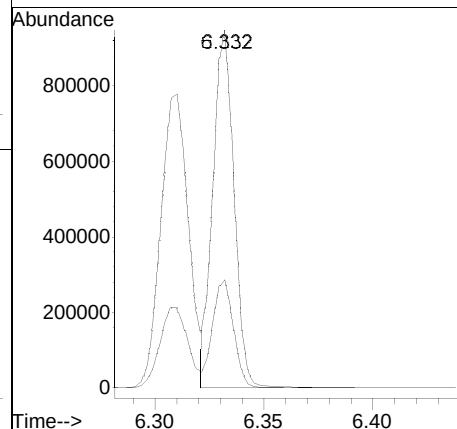
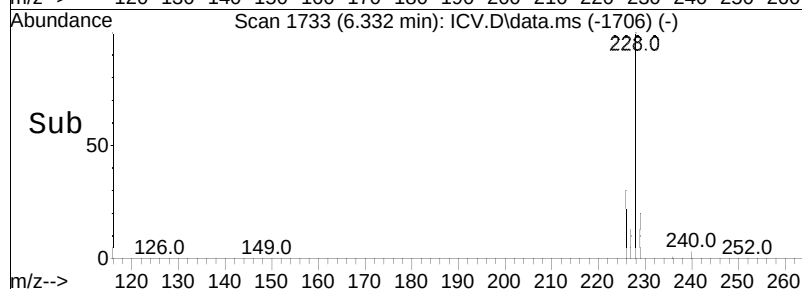
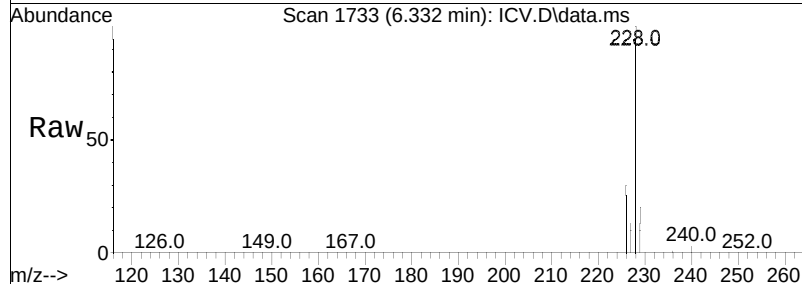
Tgt	Ion:252	Resp:	256293
Ion	Ratio	Lower	Upper
252	100		
126	13.5	10.6	16.0
254	64.5	51.6	77.4

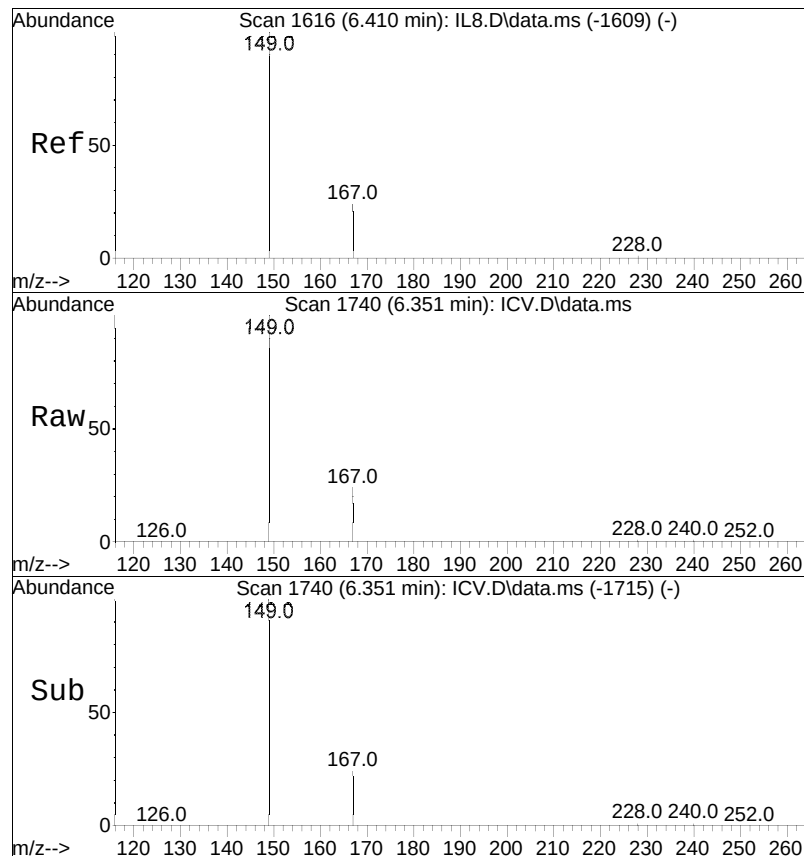




#36
 Chrysene
 Concen: 1012.72 ng/ml
 RT: 6.332 min Scan# 1733
 Delta R.T. -0.007 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

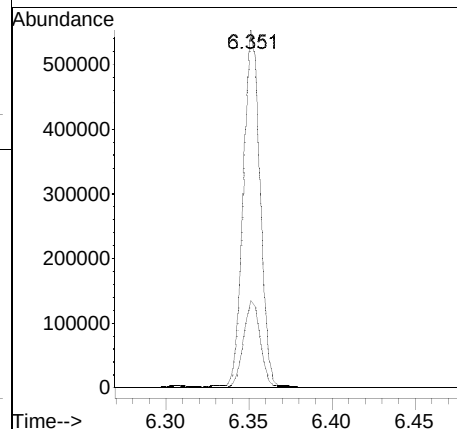
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5

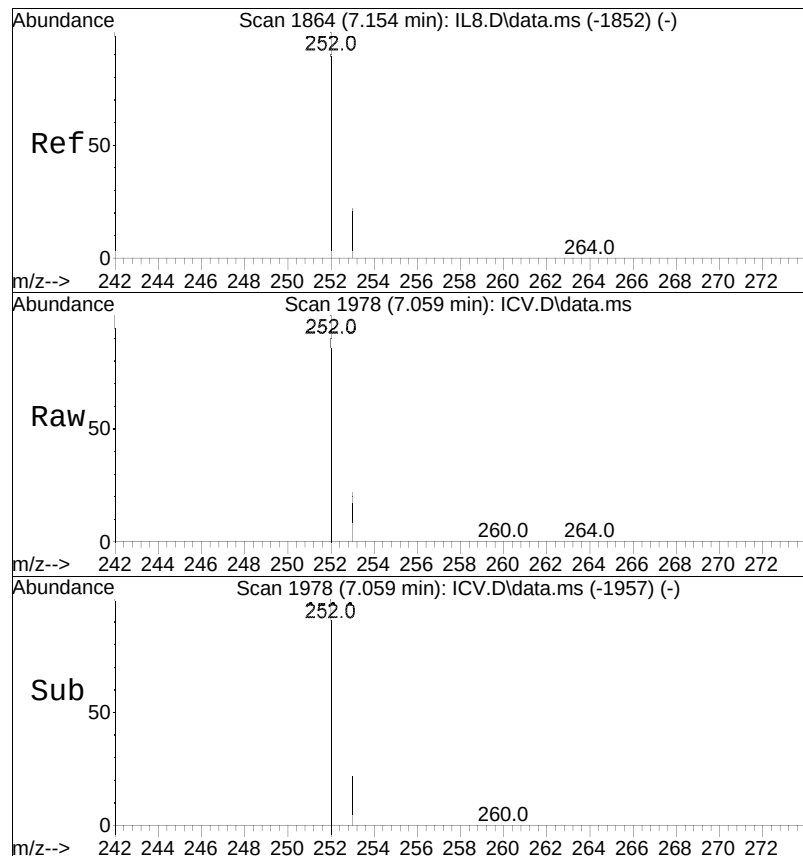




#37
 Bis(2-ethylhexyl)phthalate
 Concen: 1054.03 ng/ml
 RT: 6.351 min Scan# 1740
 Delta R.T. -0.012 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

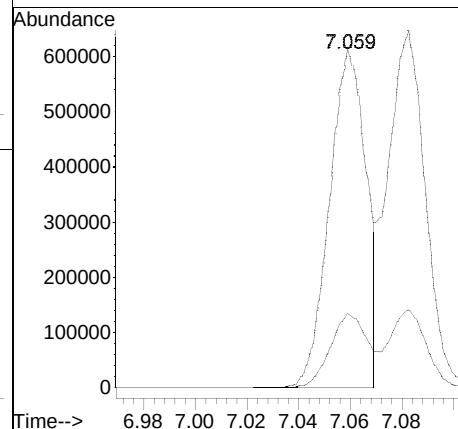
Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.8	19.7	29.5

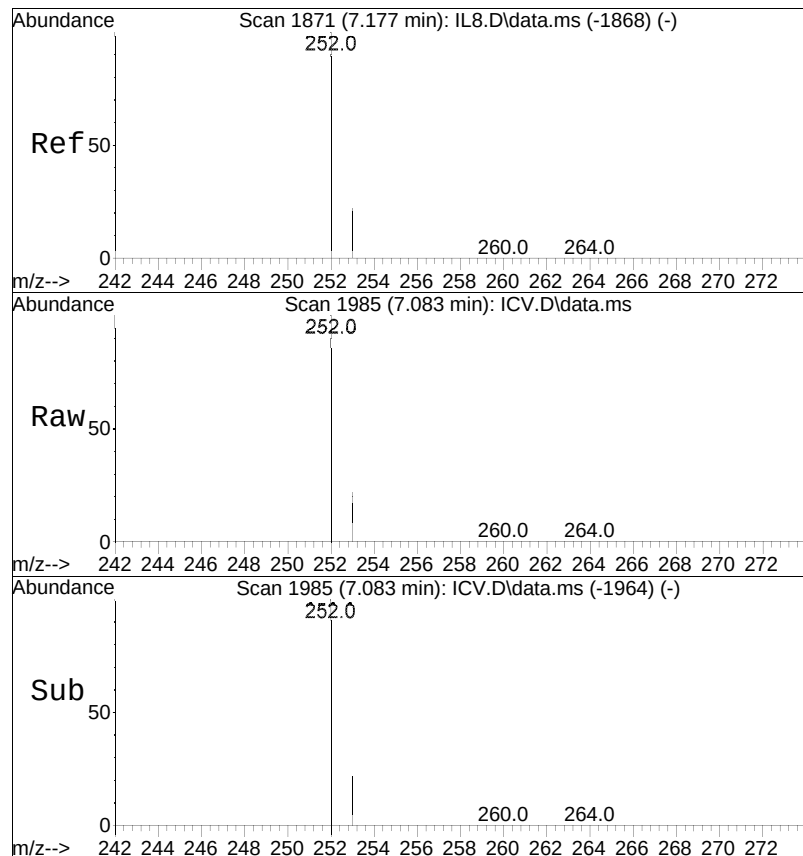




#39
 Benzo[b]fluoranthene
 Concen: 986.07 ng/ml
 RT: 7.059 min Scan# 1978
 Delta R.T. -0.009 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

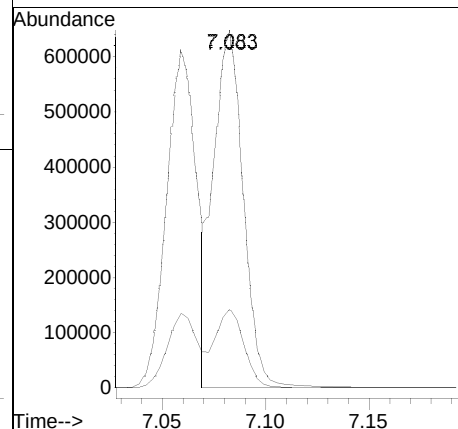
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.2	28.8

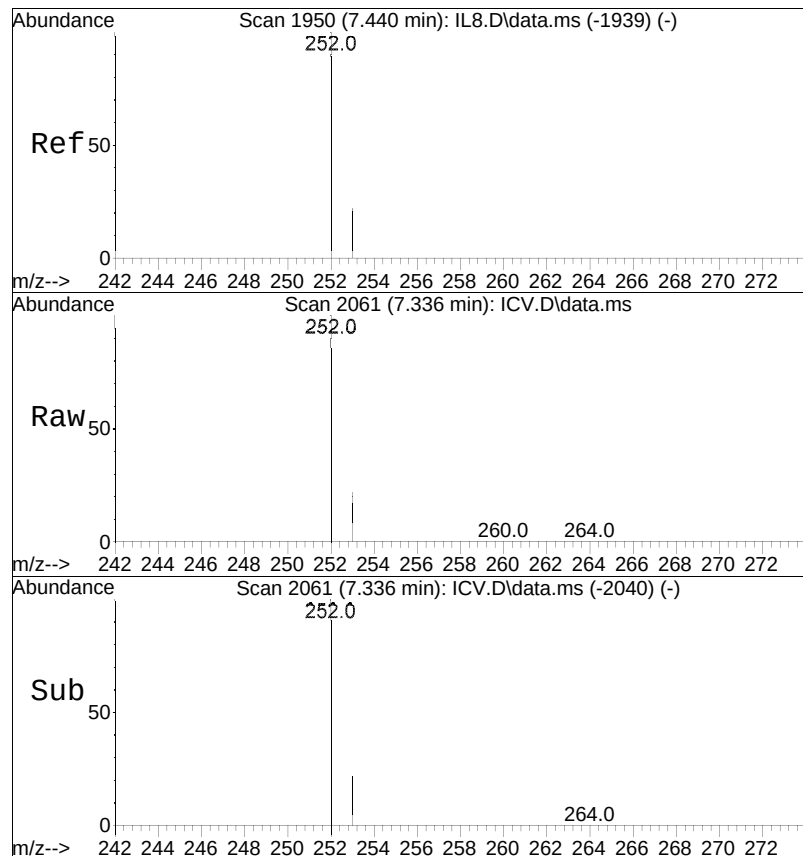




#40
 Benzo[k]fluoranthene
 Concen: 1012.07 ng/ml
 RT: 7.083 min Scan# 1985
 Delta R.T. -0.008 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

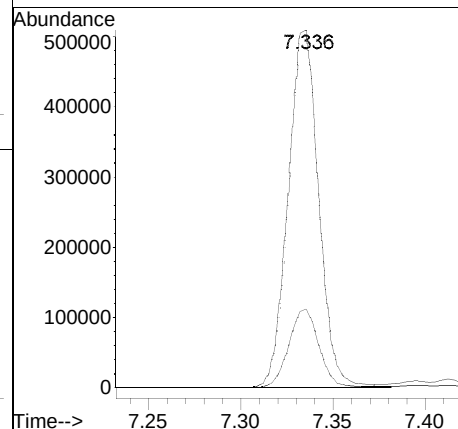
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.1	15.8	23.8

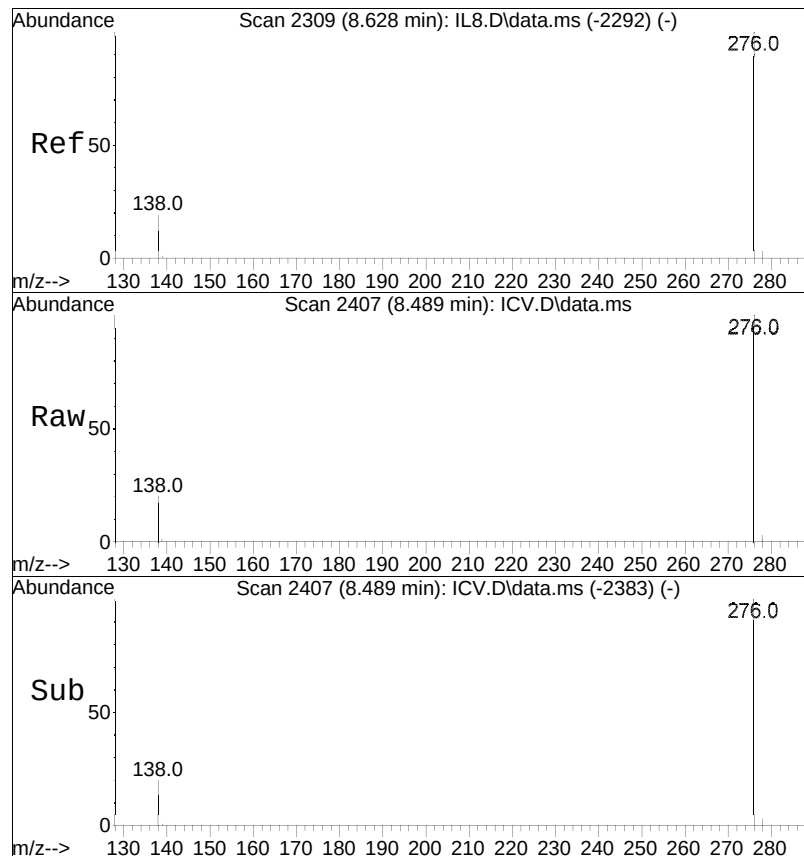




#41
 Benzo[a]pyrene
 Concen: 1044.54 ng/ml
 RT: 7.336 min Scan# 2061
 Delta R.T. -0.008 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

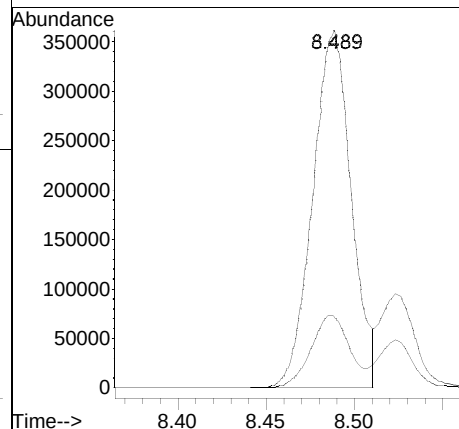
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

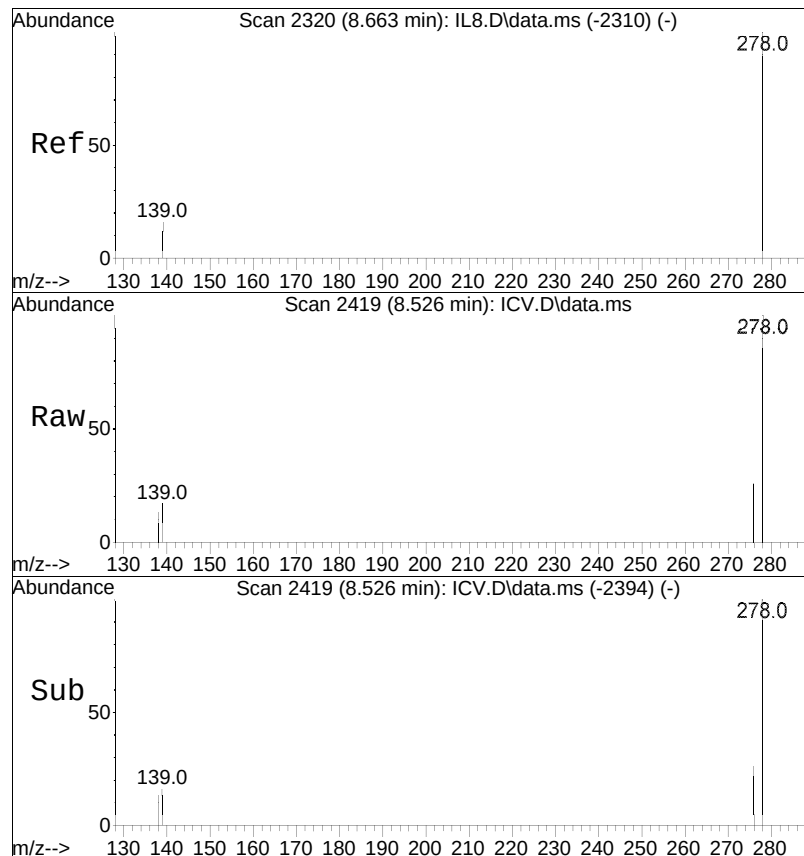




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1039.27 ng/ml
 RT: 8.489 min Scan# 2407
 Delta R.T. -0.005 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

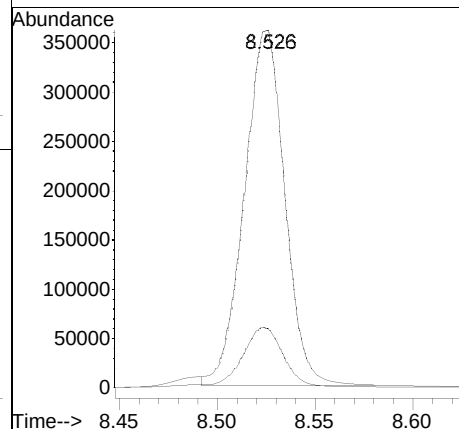
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	15.9	23.9

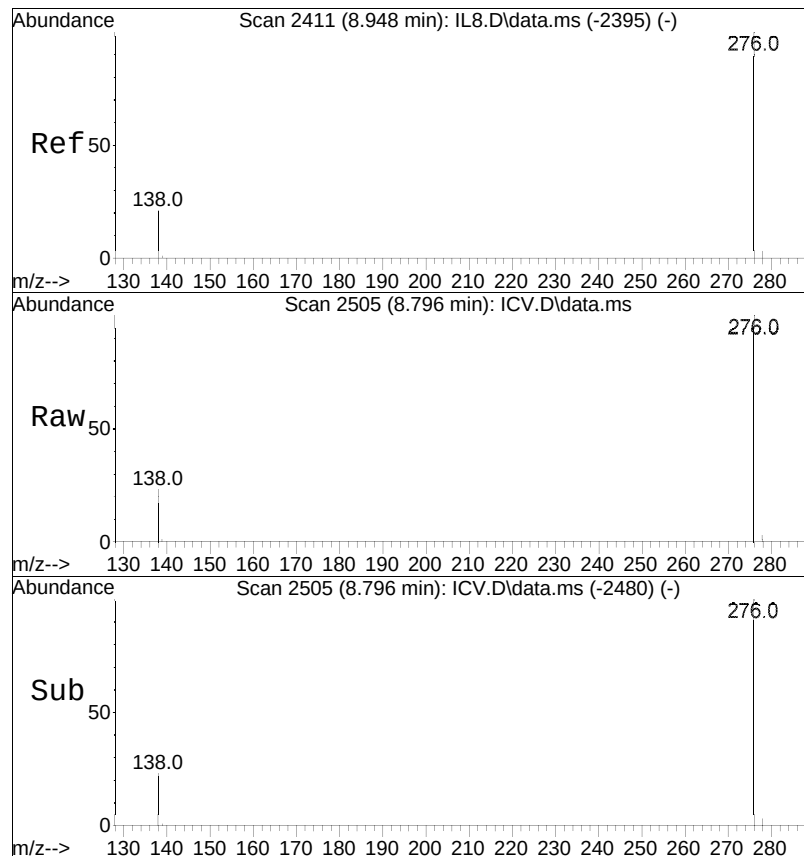




#43
 Dibenzo[a,h]anthracene
 Concen: 994.10 ng/ml M6
 RT: 8.526 min Scan# 2419
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

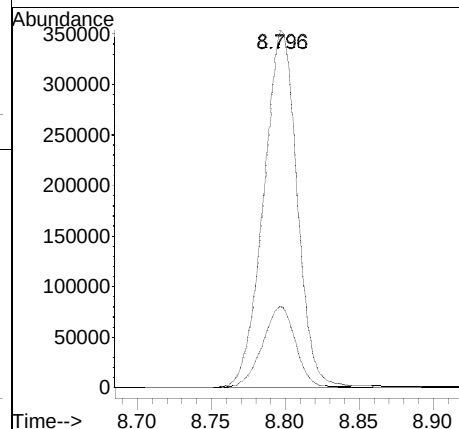
Tgt	Ion	Ratio	Lower	Upper
278	100			
139	17.6		13.8	20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1017.53 ng/ml
 RT: 8.796 min Scan# 2505
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

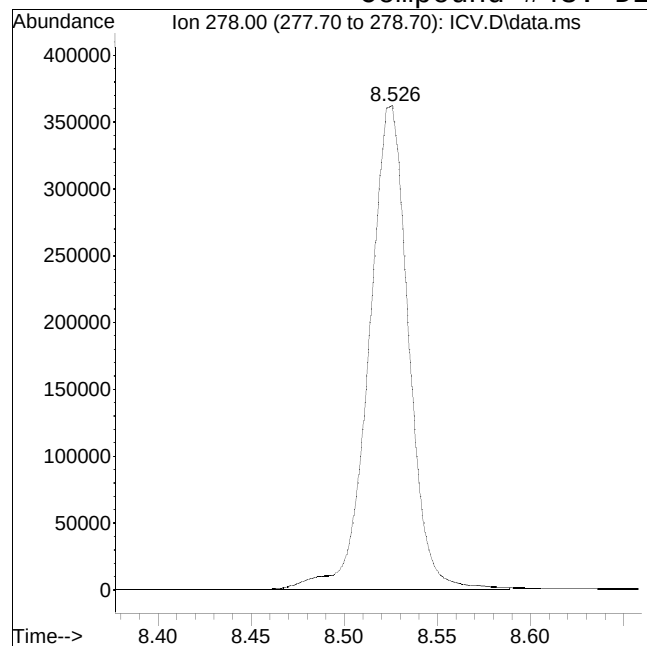
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.1	27.1



Manual Integration Report

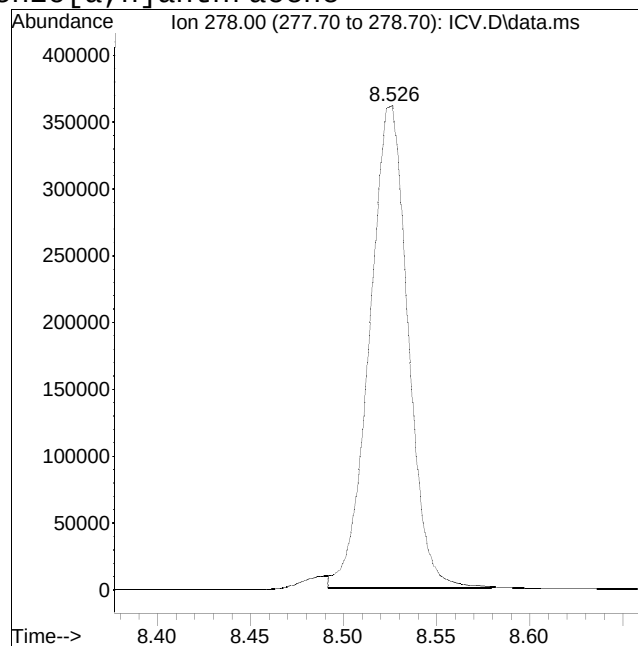
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : ICV.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 9:48 pm Instrument : SV125
Sample : CQICV1,32,,1 Lot# 11696 Quant Date : 9/9/2025 3:11 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 536500

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 516804 M6

Method Path : I:\8270SIM\SV125\250908RVTical\
 Method File : SIM-RVT_250908_sv125.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Tue Sep 09 15:24:20 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
20 T	2,4-Dinitrotoluene	L	ng/ml	1000.0	961.336	-3.9	40.00	46.809	17.0
24 T	4,6-Dinitro-o-cresol	L	ng/ml	1000.0	913.011	-8.7	40.00	51.229	28.1
26 T	Pentachlorophenol	Q	ng/ml	1000.0	946.025	-5.4	40.00	57.024	42.6
31 T	Benzidine	L	ng/mL	1000.0	852.385	-14.8	100.00	284.959	185.0
34 T	Benzo[a]anthracene	L	ng/ml	1000.0	995.753	-0.4	2.00	2.274	13.7
35 T	3,3'-Dichlorobenzidine	L	ng/ml	1000.0	956.649	-4.3	40.00	46.929	17.3
37 T	Bis(2-ethylhexyl)phthalate	Q	ng/ml	1000.0	962.710	-3.7	40.00	46.513	16.3

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
20 T	2,4-Dinitrotoluene	Linear	0.998984	0.000000	0.344478	-0.00184703
24 T	4,6-Dinitro-o-cresol	Linear	0.997251	0.000000	0.0939885	-0.000821303
26 T	Pentachlorophenol	Quadratic	0.995013	0.037784	0.0676049	-0.000896938
31 T	Benzidine	Linear	0.995243	0.000000	0.711216	-0.0504464
34 T	Benzo[a]anthracene	Linear	0.999402	0.000000	0.384304	0.000194568
35 T	3,3'-Dichlorobenzidine	Linear	0.999130	0.000000	0.528787	-0.00310821
37 T	Bis(2-ethylhexyl)phthalate	Quadratic	0.999041	0.129554	0.718216	-0.0033967

Response Factor Report SV120

Method Path : I:\8270SIM\sv120\250917RVTical\
 Method File : SIM-RVT_250917_sv120.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Sep 22 20:52:34 2025
 Response Via : Initial Calibration

Calibration Files

L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
 L9 =IL9.D L10 =IL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1) i 1,4-Dichlorobenzene-d4	-----ISTD-----											
2) T N-Nitrosodimethylamine					0.506	0.525	0.603	0.621	0.646	0.636	0.589	10.03
3) s 2-Fluorophenol	0.858	0.798	0.830	0.852	0.901	0.994	1.007	1.020	0.982	0.916		9.34
4) s Phenol-d6	1.199	0.943		1.094	1.098	1.140	1.280	1.268	1.311	1.295	1.181	10.40
5) T bis(2-Chloroethyl)ether			0.645	0.719	0.806	1.027	1.035	1.079	1.062		*L	0.9993
6) T n-Nitrosodi-n-propylamine			0.680	0.715	0.753	0.820	0.816	0.853	0.853	0.784		8.77
7) t Hexachloroethane			0.553	0.495	0.491	0.506	0.495	0.499	0.485	0.503		4.51
8) s Nitrobenzene-d5			0.600	0.657	0.805	0.890	1.030	1.044	1.104	1.098	*L	0.9992
9) i Naphthalene-d8	-----ISTD-----											
10) t Naphthalene		1.124	1.002	0.958	0.948	0.961	0.932	0.938	0.898	0.970		7.09
11) t Hexachlorobutadiene			0.189	0.183	0.180	0.185	0.178	0.178	0.169	0.180		3.55
12) t 2-Methylnaphthalene		0.568	0.553	0.543	0.549	0.589	0.579	0.584	0.558	0.565		3.06
13) t 1-Methylnaphthalene		0.620	0.608	0.628	0.623	0.641	0.612	0.612	0.585	0.616		2.65
14) s 2-Fluorobiphenyl		0.789	0.774	0.750	0.756	0.792	0.784	0.774	0.726	0.768		2.96
15) t 2-Chloronaphthalene			0.585	0.621	0.624	0.666	0.658	0.662	0.634	0.635		4.57
16) t 2,6-Dinitrotoluene				0.092	0.094	0.114	0.126	0.146	0.147		*L	0.9964
17) t Acenaphthylene	1.310	1.080	1.030	1.056	1.074	1.128	1.132	1.141	1.078	1.114		7.39
18) i Acenaphthene-d10	-----ISTD-----											
19) t Acenaphthene		1.259	1.226	1.214	1.192	1.228	1.189	1.190	1.137	1.204		3.04
20) t 2,4-Dinitrotoluene				0.181	0.188	0.251	0.284	0.329	0.329	*L		0.9961
21) t Fluorene		1.291	1.301	1.303	1.284	1.380	1.380	1.377	1.304	1.327		3.25
22) s 2,4,6-Tribromophenol		0.121	0.121	0.123	0.128	0.145	0.150	0.161	0.157	0.138		12.16
23) i Phenanthrene-d10	-----ISTD-----											
24) T 4,6-Dinitro-o-cresol				0.027	0.039	0.056	0.060	0.073	0.079		*Q	0.9989
25) t Hexachlorobenzene	0.279	0.222	0.220	0.217	0.216	0.223	0.212	0.219	0.207	0.224		9.56
26) t Pentachlorophenol			0.078	0.037	0.040	0.048	0.068	0.102		*Q		0.9991
27) t Phenanthrene		1.052	1.044	0.999	0.995	1.045	1.009	1.023	0.966	1.017		2.96
28) t Anthracene		1.047	1.015	0.974	0.958	1.047	1.017	1.057	1.003	1.015		3.51
29) t Fluoranthene		1.183	1.119	1.097	1.084	1.158	1.132	1.181	1.119	1.134		3.25
30) t Pyrene		1.186	1.176	1.147	1.128	1.202	1.199	1.227	1.152	1.177		2.80
31) s 4-Terphenyl-d14	0.951	0.784	0.772	0.764	0.745	0.798	0.788	0.793	0.726	0.791		8.12
32) i Chrysene-d12	-----ISTD-----											
33) t Benzo[a]anthracene		3.306	2.203	1.357	1.194	1.220	1.193	1.244	1.205		*L	0.9996
34) t 3,3'-Dichlorobenzidine				0.280	0.330	0.419	0.439	0.496	0.497		*L	0.9980
35) t Chrysene		1.339	1.201	1.202	1.194	1.219	1.186	1.219	1.165	1.216		4.35
36) T bis(2-Ethylhexyl)phthalate				0.507	0.509	0.611	0.638	0.756	0.782	0.634		18.52
37) i Perylene-d12	-----ISTD-----											
38) t Benzo[b]fluora...		1.027	0.954	0.955	0.965	1.094	1.102	1.120	1.112	1.041		7.16
39) t Benzo[k]fluora...		1.240	1.076	1.088	1.099	1.205	1.190	1.222	1.137	1.157		5.63
40) t Benzo[a]pyrene			0.994	0.886	0.874	0.893	1.028	1.031	1.087	1.057	0.981	8.63
41) t Indeno[1,2,3-c]...	0.872	0.773	0.677	0.676	0.690	0.828	0.865	0.968	0.987	0.815		14.71
42) t Dibenzo[a,h]anthracene		0.664	0.650	0.645	0.665	0.882	0.909	0.973	0.956	0.793		18.80
43) t Benzo[g,h,i]pe...		0.979	0.801	0.825	0.834	0.954	0.979	1.039	1.021	0.929		10.14

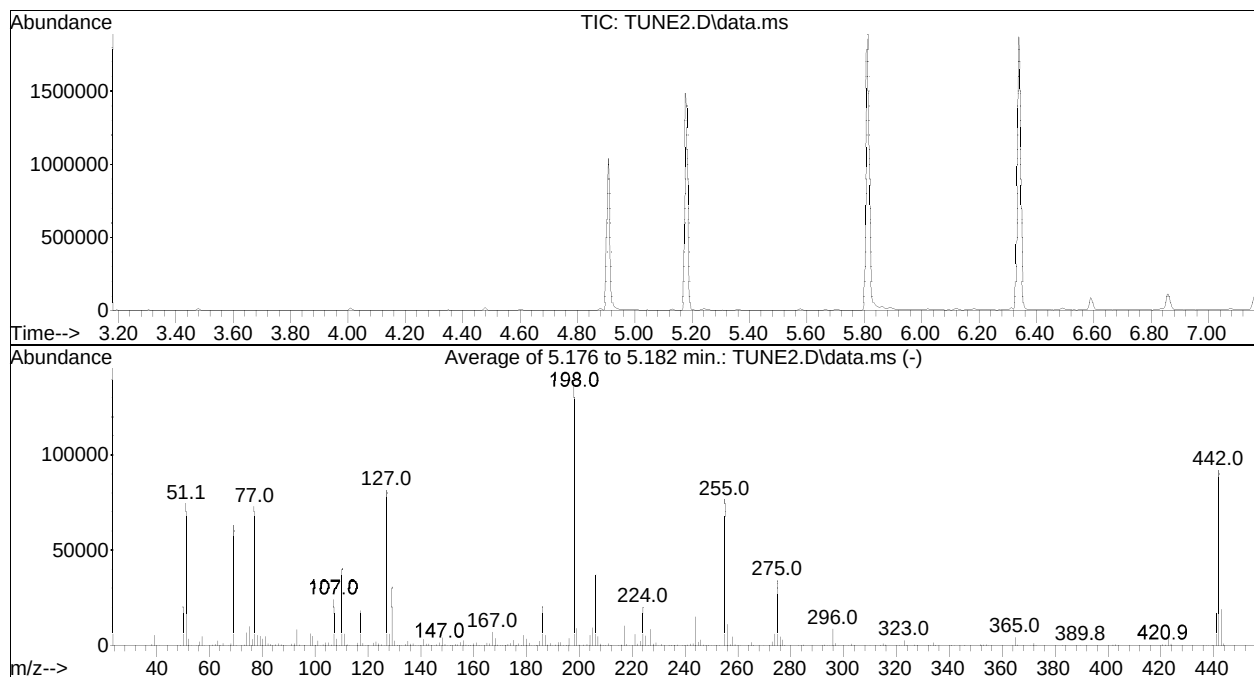
(#) = Out of Range

DFTPP

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : TUNE2.D
 Acq On : 17 Sep 2025 09:22 am
 Operator : SV120:mrg
 Sample : TUNE #11981
 Misc : WG2118161
 ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Sep 22 20:52:34 2025



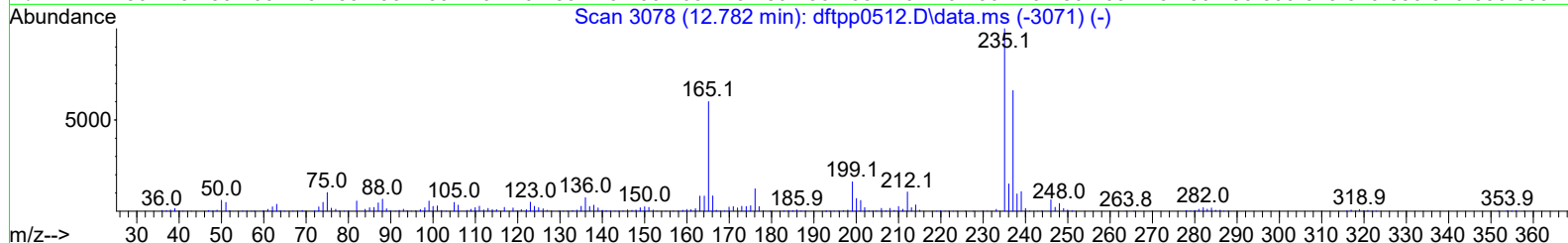
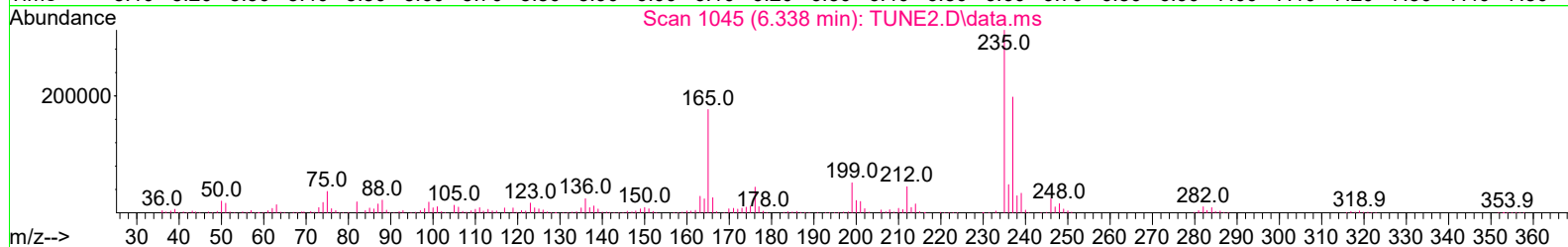
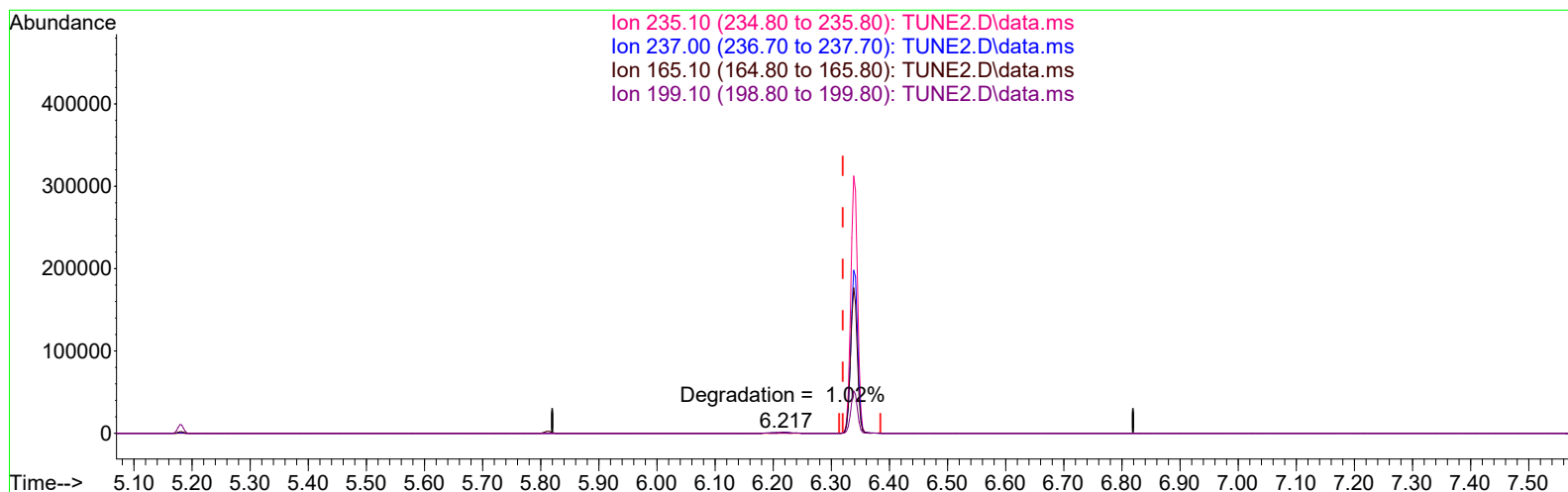
Spectrum Information: Average of 5.176 to 5.182 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	53.9	74584	PASS
68	69	0.00	2	2.0	1252	PASS
69	69	100	100	100.0	62912	PASS
70	69	0.00	2	0.7	455	PASS
127	198	10	80	58.7	81349	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	138469	PASS
199	198	5	9	6.6	9189	PASS
275	198	10	60	24.6	34107	PASS
365	198	1	100	3.2	4470	PASS
441	442	0.01	24	18.4	16940	PASS
442	198	50	100	66.4	91952	PASS
443	442	15	24	20.5	18840	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : TUNE2.D
 Acq On : 17 Sep 2025 09:22 am
 Operator : SV120:mrg
 Sample : TUNE #11981
 Misc : WG2118161
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 17 09:36:02 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\dftppsv120.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sun Sep 14 17:02:49 2025
 Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



CHROMtools™ [TUNE #11981]

(6) ddt (T)

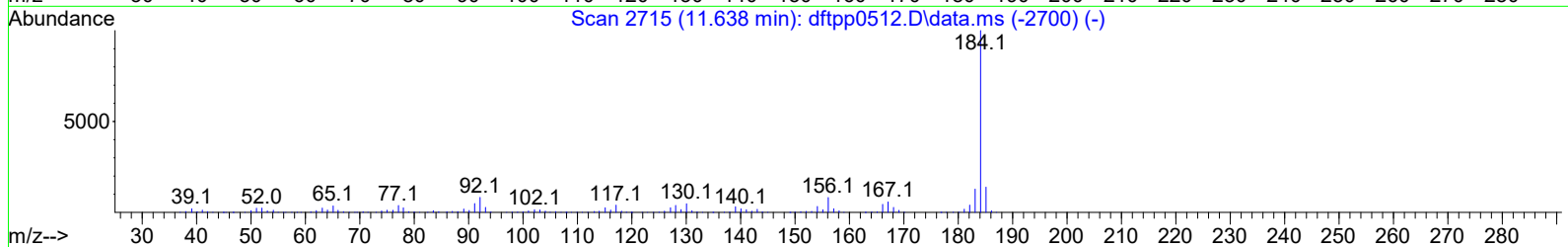
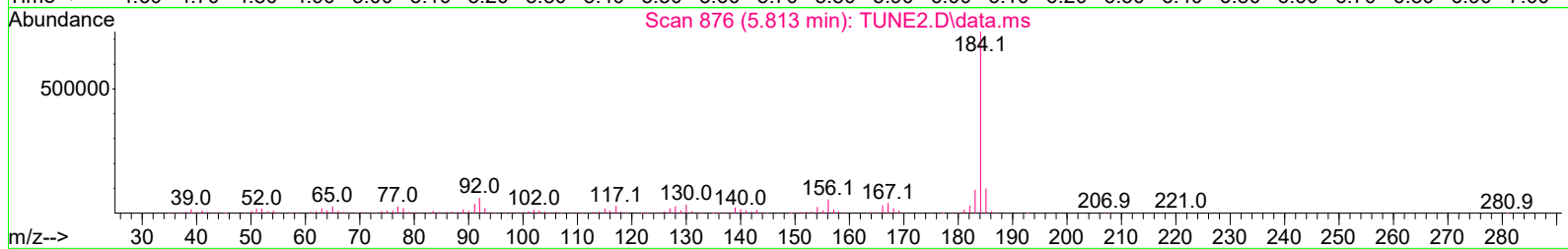
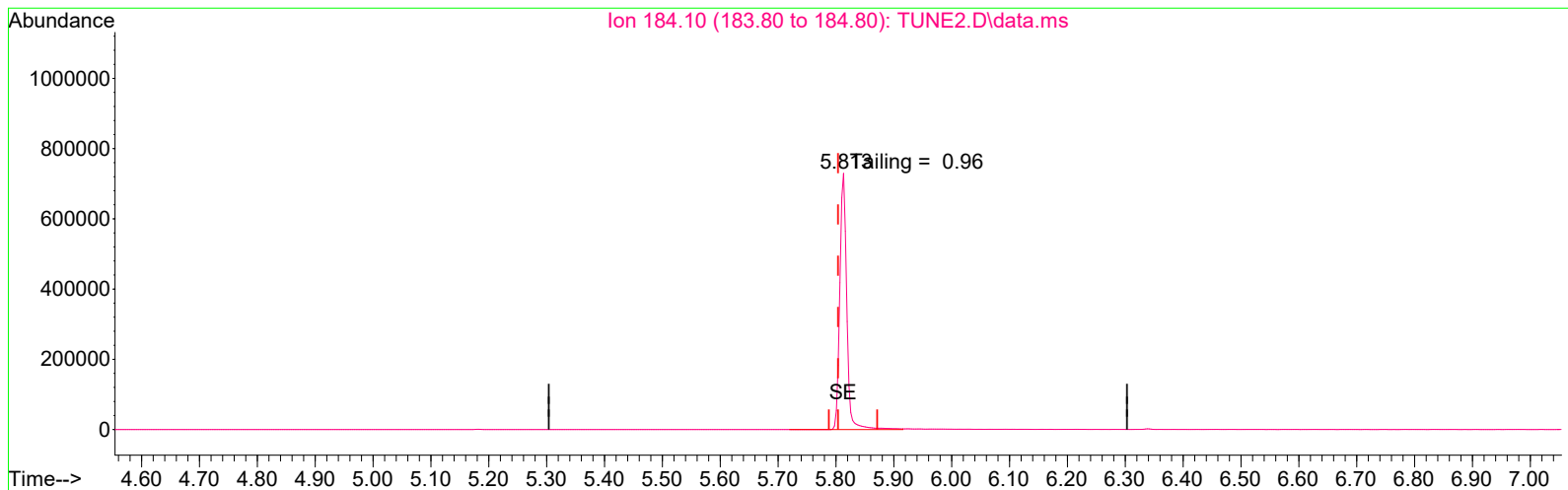
6.338min (+ 0.018) 41.76

response 254542

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.62
165.10	53.30	55.58
199.10	17.10	16.24

Data Path : I:\8270SIM\sv120\250917RVTical\
Data File : TUNE2.D
Acq On : 17 Sep 2025 09:22 am
Operator : SV120:mrg
Sample : TUNE #11981
Misc : WG2118161
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 17 09:36:02 2025
Quant Method : I:\8270SIM\sv120\250917RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 14 17:02:49 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



CHROMtools™ [TUNE #11981]

(3) benzidine (T)

5.813min (+ 0.009) 59.52

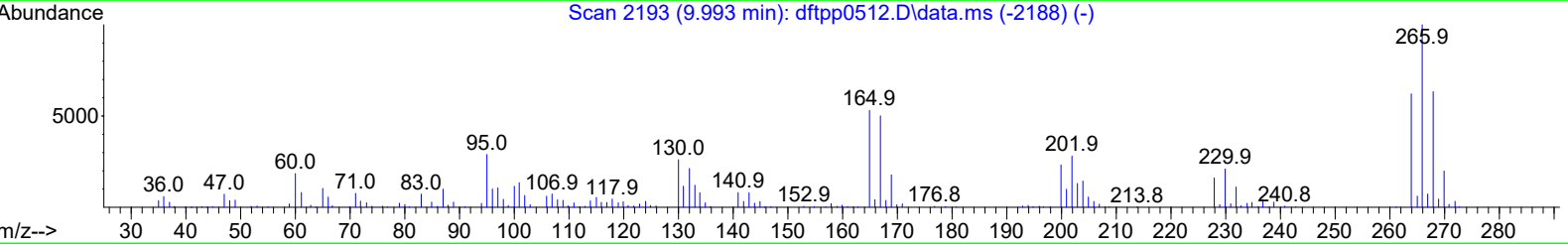
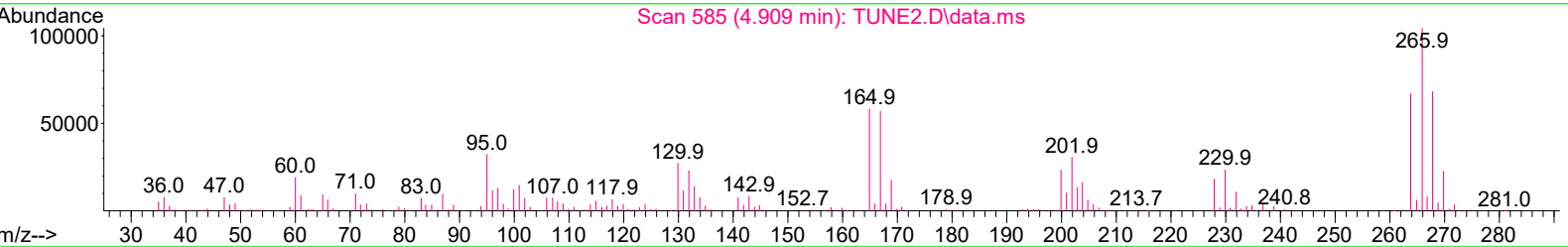
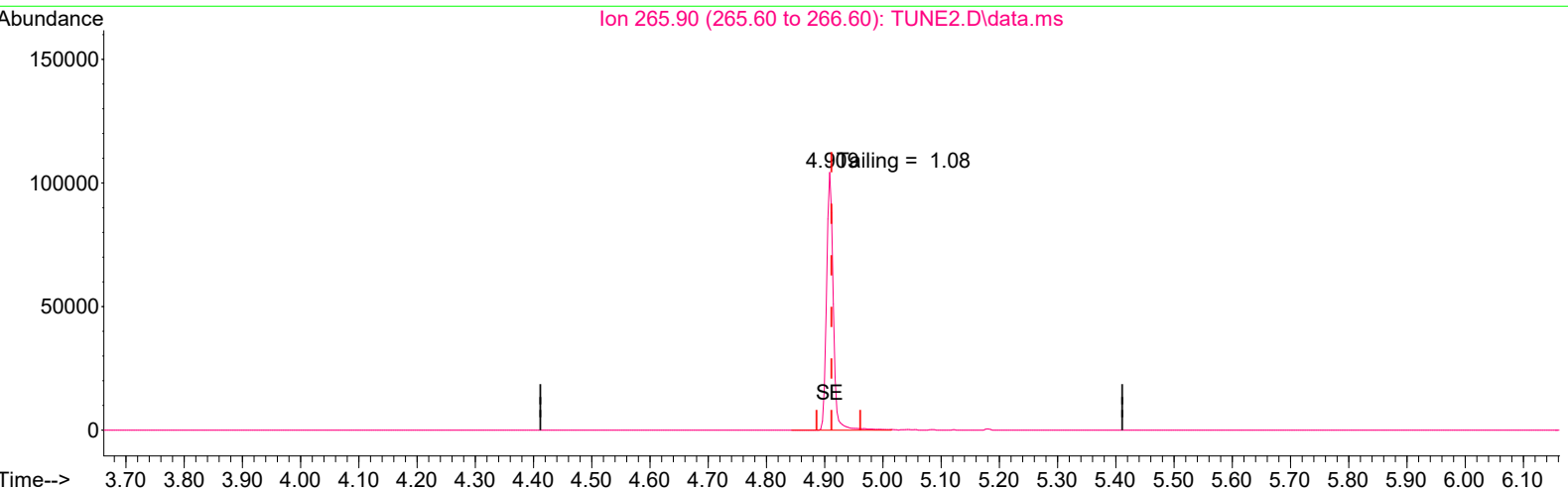
response 605961

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : TUNE2.D
 Acq On : 17 Sep 2025 09:22 am
 Operator : SV120:mrg
 Sample : TUNE #11981
 Misc : WG2118161
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 17 09:36:02 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\dftppsv120.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sun Sep 14 17:02:49 2025
 Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



CHROMtools™ [TUNE #11981]

(1) pentachlorophenol (T)

4.909min (-0.003) 39.43

response 82808

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL10.D
 Acq On : 17 Sep 2025 09:39 am
 Operator : SV120:mrg
 Sample : IL10,32,,5000.0ng/mL lot# 11697
 Misc : WG2118161
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 18:14:53 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:15:43 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.523	152	233891	4000.000	ng/ml	0.00
Standard Area 1 = 237330			Recovery	=	98.55%	
9) Naphthalene-d8	3.196	136	936608	4000.000	ng/ml	0.00
Standard Area 1 = 940451			Recovery	=	99.59%	
18) Acenaphthene-d10	4.185	164	554644	4000.000	ng/ml	0.00
Standard Area 1 = 566332			Recovery	=	97.94%	
23) Phenanthrene-d10	5.028	188	1104707	4000.000	ng/ml	0.00
Standard Area 1 = 1177699			Recovery	=	93.80%	
33) Chrysene-d12	6.626	240	941287	4000.000	ng/ml	0.00
Standard Area 1 = 1041114			Recovery	=	90.41%	
38) Perylene-d12	7.892	264	941466	4000.000	ng/ml	0.00
Standard Area 1 = 984649			Recovery	=	95.61%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.901	112	287004	5360.525	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	268.03%#	
4) Phenol-d6	2.328	99	378657	5484.500	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	274.22%#	
8) Nitrobenzene-d5	2.808	82	320880	5041.618	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	504.16%#	
14) 2-Fluorobiphenyl	3.802	172	849396	4722.844	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	472.28%#	
22) 2,4,6-Tribromophenol	4.632	330	108820	5673.896	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	283.69%#	
32) 4-Terphenyl-d14	5.961	244	1003167	4590.767	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	459.08%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.368	74	185841	5392.640	ng/mL#	81
5) Bis(2-chloroethyl)ether	2.383	93	310537	5002.858	ng/ml	99
6) n-nitrosodi-n-propylamine	2.727	70	249419	5438.606	ng/ml	98
7) Hexachloroethane	2.787	117	141740	4814.919	ng/ml	99
10) Naphthalene	3.208	128	1051750	4630.493	ng/ml	100
11) Hexachlorobutadiene	3.282	225	197996	4688.030	ng/ml	100
12) 2-Methylnaphthalene	3.591	142	653795	4937.696	ng/ml	99
13) 1-Methylnaphthalene	3.649	142	684875	4746.812	ng/ml	98
15) 2-Chloronaphthalene	3.868	162	741879	4985.997	ng/ml	99
16) 2,6-Dinitrotoluene	4.061	165	171536	5112.350	ng/ml	95
17) Acenaphthylene	4.102	152	1262323	4838.127	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL10.D
 Acq On : 17 Sep 2025 09:39 am
 Operator : SV120:mrg
 Sample : IL10,32,,5000.0ng/mL lot# 11697
 Misc : WG2118161
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 18:14:53 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:15:43 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.202	153	788014	4718.626	ng/ml	98
20)	2,4-Dinitrotoluene	4.292	165	228375	5109.693	ng/ml#	84
21)	Fluorene	4.495	166	904106	4911.710	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.525	198	109435	4966.111	ng/ml	99
25)	Hexachlorobenzene	4.816	284	285720	4610.766	ng/ml	99
26)	Pentachlorophenol	4.924	266	158625	4063.311	ng/ml	100
27)	Phenanthrene	5.043	178	1333358	4736.128	ng/ml	100
28)	Anthracene	5.073	178	1385456	4943.342	ng/ml	100
29)	Fluoranthene	5.733	202	1545364	4934.000	ng/ml	100
30)	Pyrene	5.866	202	1591137	4894.154	ng/ml	100
31)	Benzydine	5.812	184	958966	7242.177	ng/mL	99
34)	Benzo[a]anthracene	6.617	228	1418184	4973.611	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.603	252	585352	5082.707	ng/ml	100
36)	Chrysene	6.644	228	1370505	4790.437	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.648	149	919544	6166.638	ng/ml	99
39)	Benzo[b]fluoranthene	7.502	252	1308844	5341.182	ng/ml	99
40)	Benzo[k]fluoranthene	7.531	252	1338182	4913.449	ng/ml	99
41)	Benzo[a]pyrene	7.829	252	1244012	5386.746	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.180	276	1162079	6056.986	ng/ml	100
43)	Dibenzo[a,h]anthracene	9.221	278	1124491M6	6076.508	ng/ml	
44)	Benzo[g,h,i]perylene	9.543	276	1201463	5497.254	ng/ml	100

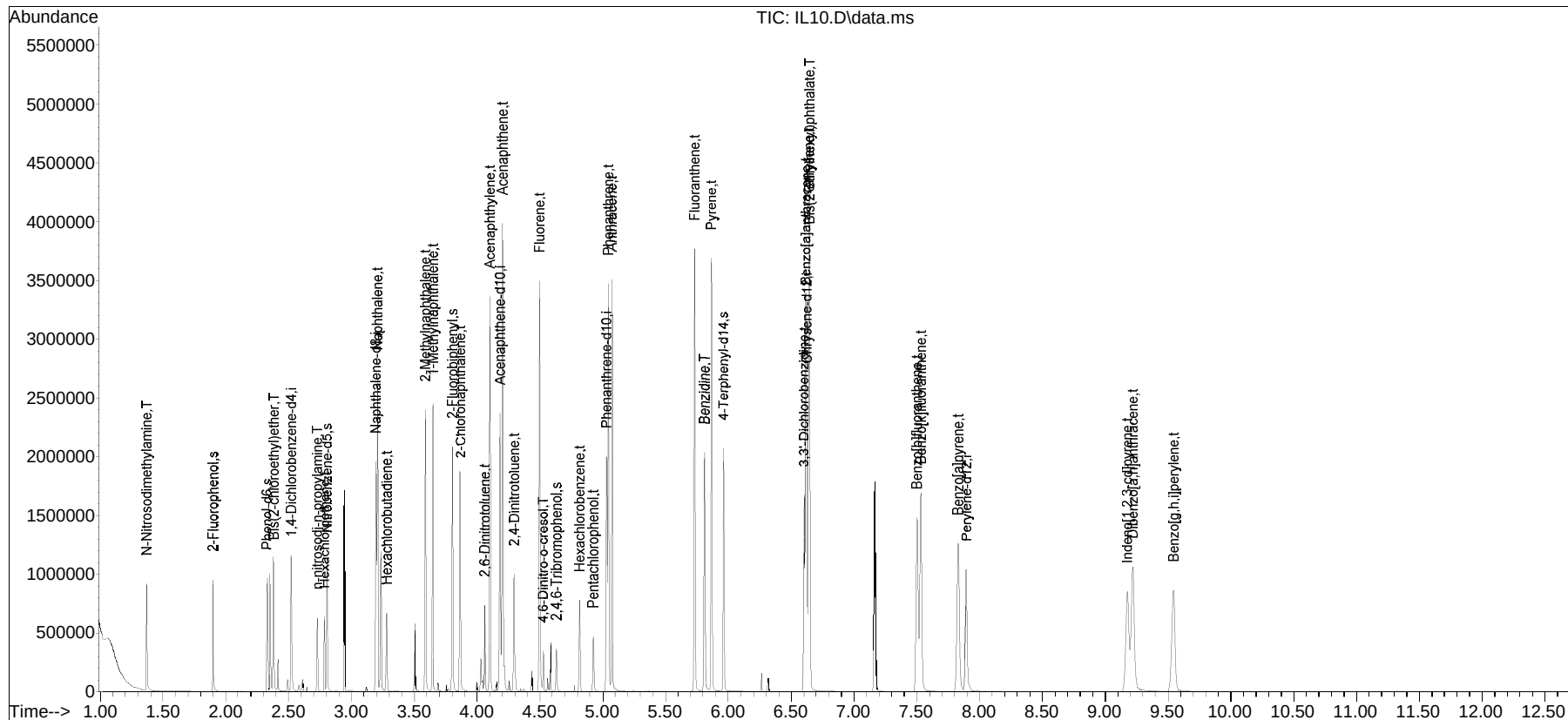
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
Data File : IL10.D
Acq On : 17 Sep 2025 09:39 am
Operator : SV120:mrg
Sample : IL10,32,,5000.0ng/mL lot# 11697
Misc : WG2118161
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 18:14:53 2025
Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 22 18:15:43 2025
Response via : Initial Calibration

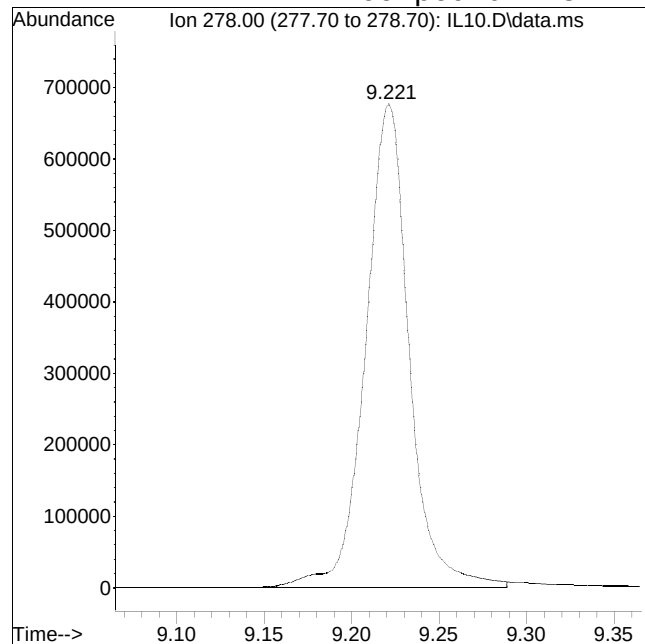
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

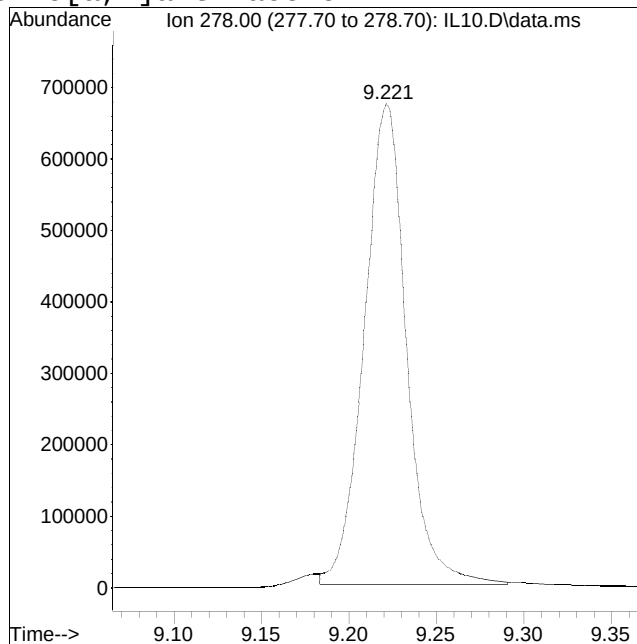
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL10.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 9:39 am Instrument : SV120
Sample : IL10,32,,5000.0ng/mL lot# Quant Date : 9/22/2025 6:15 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 1175889

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 1124491 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL9.D
 Acq On : 17 Sep 2025 09:56 am
 Operator : SV120:mrg
 Sample : IL9,32,,2500.0ng/mL lot# 11699
 Misc : WG2118161
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 20:47:23 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:16:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.520	152	236926	4000.000	ng/ml	0.00
Standard Area 1 = 237330			Recovery	=	99.83%	
9) Naphthalene-d8	3.194	136	941763	4000.000	ng/ml	0.00
Standard Area 1 = 940451			Recovery	=	100.14%	
18) Acenaphthene-d10	4.182	164	564734	4000.000	ng/ml	0.00
Standard Area 1 = 566332			Recovery	=	99.72%	
23) Phenanthrene-d10	5.027	188	1148554	4000.000	ng/ml	0.00
Standard Area 1 = 1177699			Recovery	=	97.53%	
33) Chrysene-d12	6.623	240	1013917	4000.000	ng/ml	0.00
Standard Area 1 = 1041114			Recovery	=	97.39%	
38) Perylene-d12	7.889	264	992407	4000.000	ng/ml	0.00
Standard Area 1 = 984649			Recovery	=	100.79%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.902	112	151013	2784.418	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	139.22%#	
4) Phenol-d6	2.325	99	194099	2775.333	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	138.77%#	
8) Nitrobenzene-d5	2.806	82	163538	2538.573	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	253.86%#	
14) 2-Fluorobiphenyl	3.799	172	455460	2518.604	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	251.86%#	
22) 2,4,6-Tribromophenol	4.631	330	56969	2917.304	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	145.87%#	
32) 4-Terphenyl-d14	5.961	244	569431	2506.391	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	250.64%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.373	74	95592M7	2738.308	ng/mL	
5) Bis(2-chloroethyl)ether	2.383	93	159835	2545.578	ng/ml	99
6) n-nitrosodi-n-propylamine	2.726	70	126375	2720.320	ng/ml	99
7) Hexachloroethane	2.786	117	73929	2479.203	ng/ml	99
10) Naphthalene	3.206	128	551833	2416.232	ng/ml	100
11) Hexachlorobutadiene	3.279	225	104593	2462.934	ng/ml	100
12) 2-Methylnaphthalene	3.591	142	343615	2580.900	ng/ml	99
13) 1-Methylnaphthalene	3.646	142	360488	2484.836	ng/ml	99
15) 2-Chloronaphthalene	3.865	162	389623	2604.232	ng/ml	100
16) 2,6-Dinitrotoluene	4.061	165	85948	2560.630	ng/ml	97
17) Acenaphthylene	4.100	152	671378	2559.117	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL9.D
 Acq On : 17 Sep 2025 09:56 am
 Operator : SV120:mrg
 Sample : IL9,32,,2500.0ng/mL lot# 11699
 Misc : WG2118161
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 20:47:23 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:16:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.202	153	419913	2469.513	ng/ml	99
20)	2,4-Dinitrotoluene	4.290	165	116047	2565.398	ng/ml#	84
21)	Fluorene	4.494	166	485940	2592.785	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.521	198	52526	2603.379	ng/ml	99
25)	Hexachlorobenzene	4.815	284	157015	2437.077	ng/ml	100
26)	Pentachlorophenol	4.923	266	73088	2495.981	ng/ml	99
27)	Phenanthrene	5.042	178	734683	2509.992	ng/ml	100
28)	Anthracene	5.072	178	758570	2603.270	ng/ml	100
29)	Fluoranthene	5.731	202	847802	2603.505	ng/ml	100
30)	Pyrene	5.866	202	881048	2606.545	ng/ml	100
31)	Benzydine	5.809	184	475080	3450.868	ng/mL	99
34)	Benzo[a]anthracene	6.615	228	788373	2562.958	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.601	252	314315	2546.708	ng/ml	99
36)	Chrysene	6.642	228	772269	2506.010	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.647	149	478815	2981.009	ng/ml	100
39)	Benzo[b]fluoranthene	7.498	252	694398	2688.269	ng/ml	100
40)	Benzo[k]fluoranthene	7.525	252	758235M4	2641.131	ng/ml	
41)	Benzo[a]pyrene	7.823	252	674517	2770.829	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.173	276	600518	2969.353	ng/ml	99
43)	Dibenzo[a,h]anthracene	9.216	278	603389M6	3093.216	ng/ml	
44)	Benzo[g,h,i]perylene	9.535	276	644224	2796.322	ng/ml	100

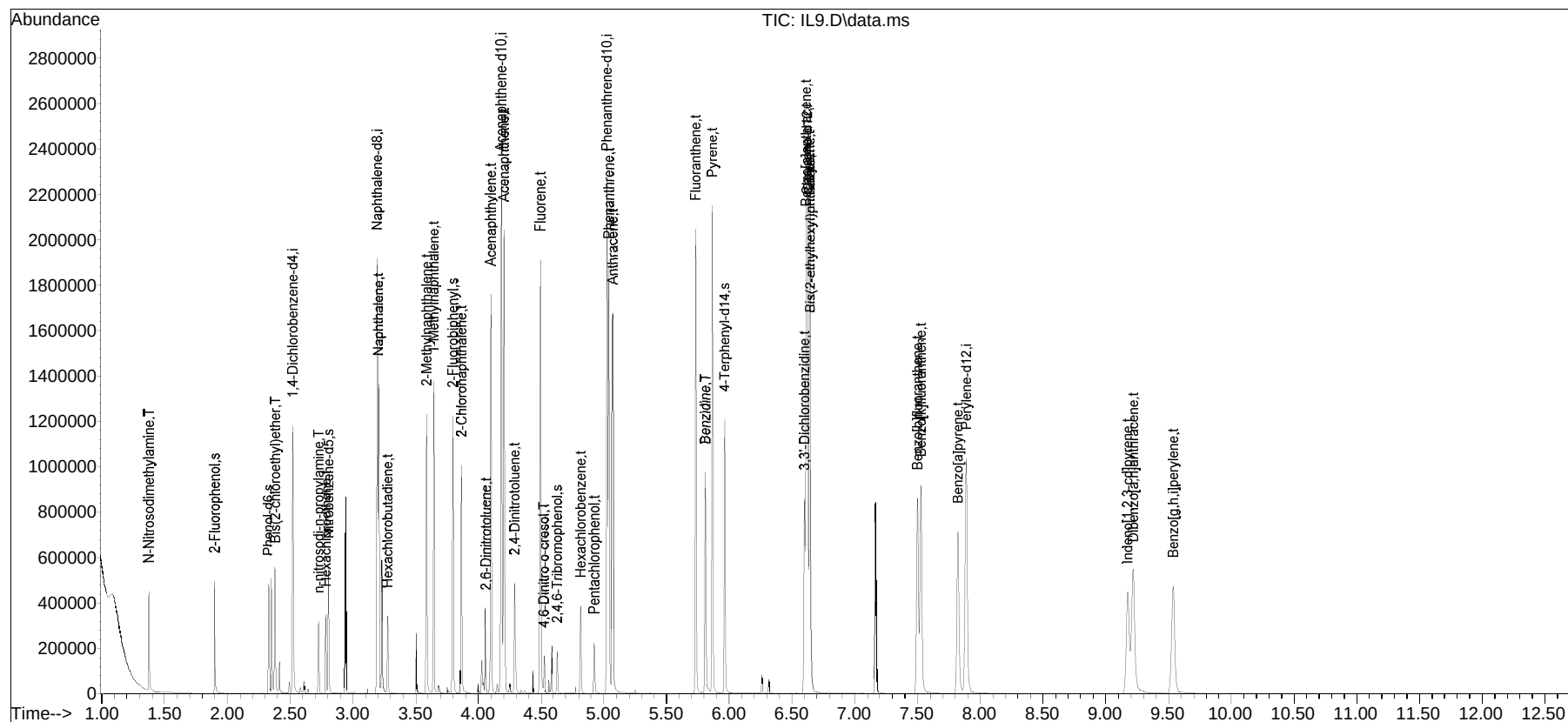
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL9.D
 Acq On : 17 Sep 2025 09:56 am
 Operator : SV120:mrg
 Sample : IL9,32,,2500.0ng/mL lot# 11699
 Misc : WG2118161
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 22 20:47:23 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:16:21 2025
 Response via : Initial Calibration

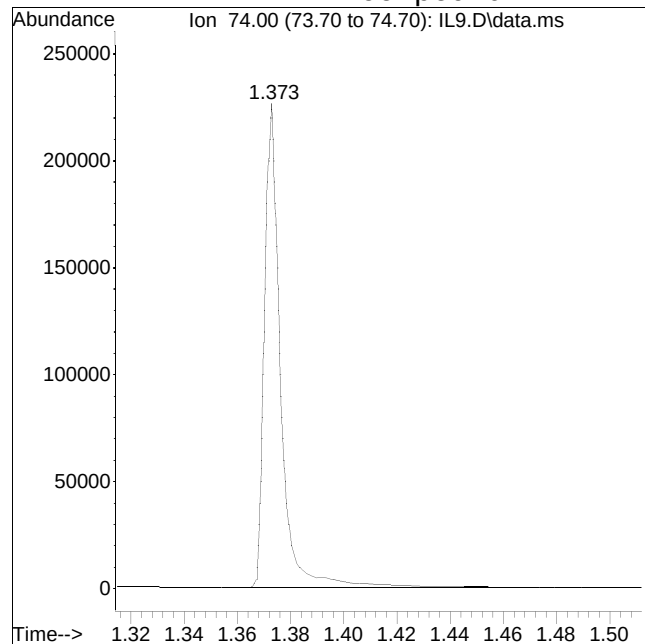
Sub List : Default - All compounds listedical\IL8.D•



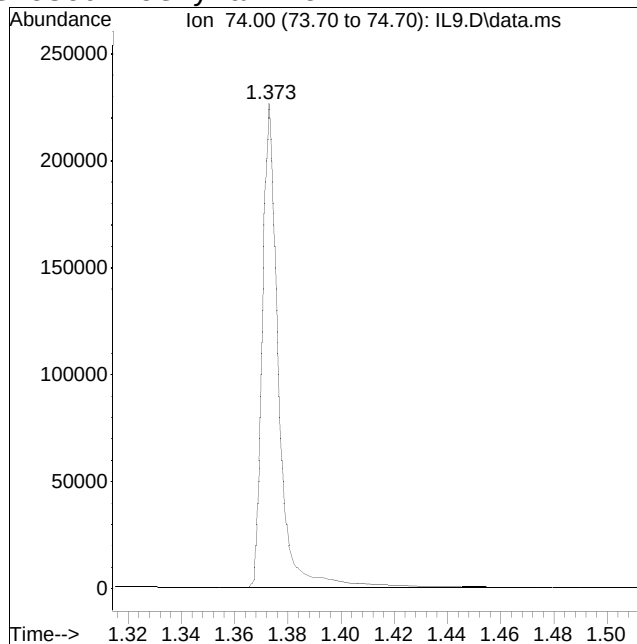
Manual Integration Report

Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL9.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 9:56 am Instrument : SV120
Sample : IL9,32,,2500.0ng/mL lot# 1Quant Date : 9/22/2025 6:16 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 95592



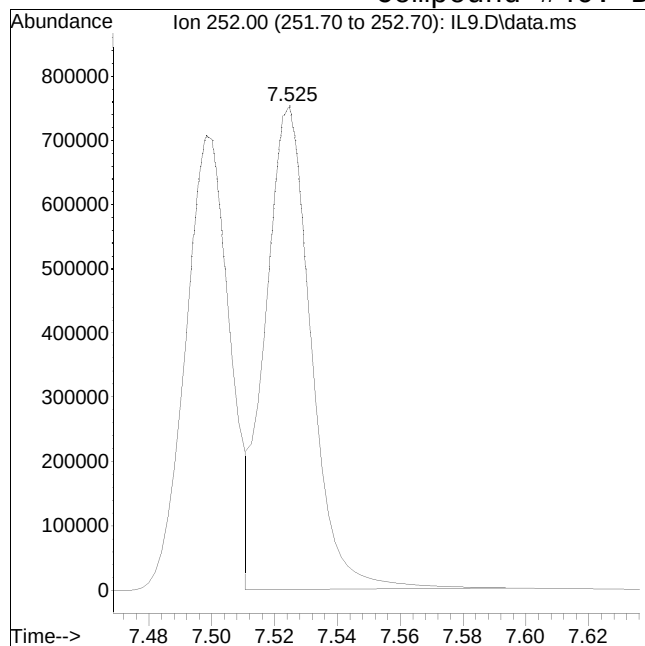
Manual Peak Response = 95592 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

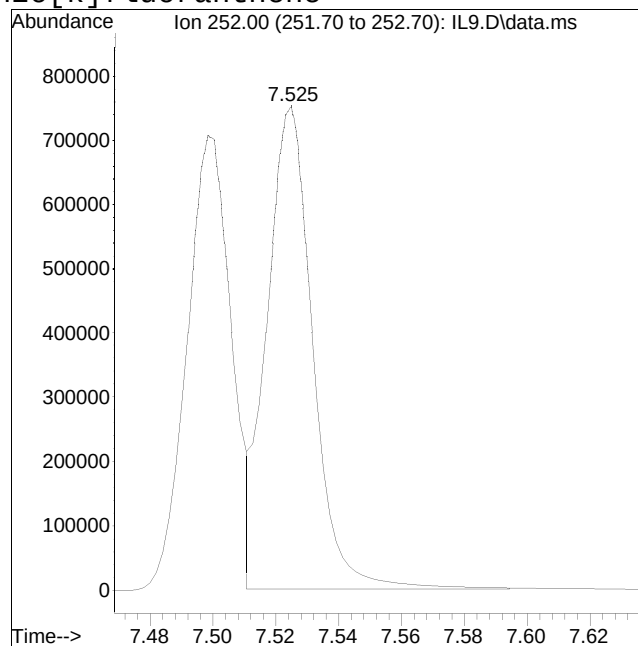
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL9.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 9:56 am Instrument : SV120
Sample : IL9,32,,2500.0ng/mL lot# 1 Quant Date : 9/22/2025 6:16 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 757436

M4 = Poor automated baseline construction.

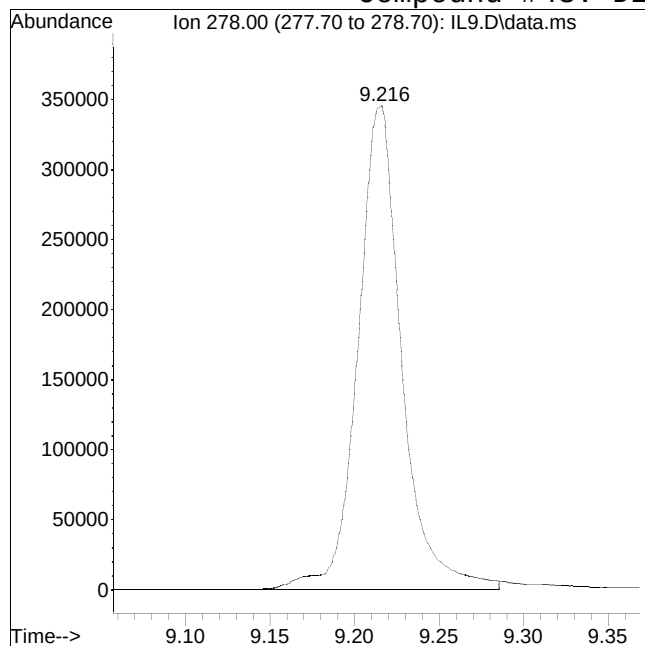


Manual Peak Response = 758235 M4

Manual Integration Report

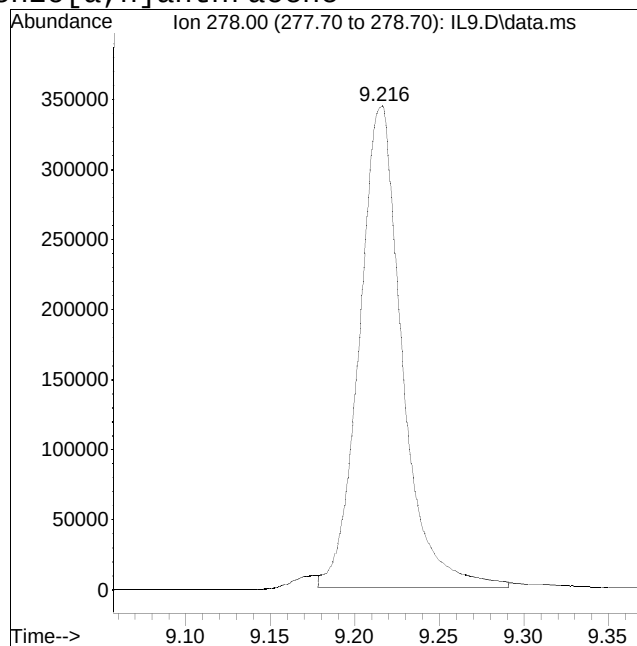
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL9.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 9:56 am Instrument : SV120
Sample : IL9,32,,2500.0ng/mL lot# 1 Quant Date : 9/22/2025 6:16 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 624172

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 603389 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL8.D
 Acq On : 17 Sep 2025 10:13 am
 Operator : SV120:mrg
 Sample : IL8,32,,1000.0ng/mL lot# 11700
 Misc : WG2118161
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 20:46:26 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:16:16 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.520	152	237621	4000.000	ng/ml	0.00
Standard Area 1 = 237330			Recovery	=	100.12%	
9) Naphthalene-d8	3.193	136	940369	4000.000	ng/ml	0.00
Standard Area 1 = 940451			Recovery	=	99.99%	
18) Acenaphthene-d10	4.182	164	566332	4000.000	ng/ml	0.00
Standard Area 1 = 566332			Recovery	=	100.00%	
23) Phenanthrene-d10	5.027	188	1177699	4000.000	ng/ml	0.00
Standard Area 1 = 1177699			Recovery	=	100.00%	
33) Chrysene-d12	6.622	240	1041114	4000.000	ng/ml	0.00
Standard Area 1 = 1041114			Recovery	=	100.00%	
38) Perylene-d12	7.887	264	984649	4000.000	ng/ml	0.00
Standard Area 1 = 984649			Recovery	=	100.00%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.900	112	59832	1099.972	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	55.00%	
4) Phenol-d6	2.325	99	75340	1074.102	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	53.71%	
8) Nitrobenzene-d5	2.805	82	61990	961.954	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	96.20%	
14) 2-Fluorobiphenyl	3.799	172	184279	1020.537	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	102.05%	
22) 2,4,6-Tribromophenol	4.629	330	21240	1084.602	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	54.23%	
32) 4-Terphenyl-d14	5.959	244	232096	996.305	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	99.63%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.369	74	36880M6	1053.367	ng/mL	
5) Bis(2-chloroethyl)ether	2.380	93	61458	980.406	ng/ml	100
6) n-nitrosodi-n-propylamine	2.724	70	48446	1039.788	ng/ml	100
7) Hexachloroethane	2.785	117	29379	982.341	ng/ml	100
10) Naphthalene	3.204	128	219046	960.527	ng/ml	100
11) Hexachlorobutadiene	3.280	225	41861	987.195	ng/ml	100
12) 2-Methylnaphthalene	3.588	142	136231	1024.751	ng/ml	100
13) 1-Methylnaphthalene	3.646	142	143909	993.432	ng/ml	100
15) 2-Chloronaphthalene	3.865	162	154587	1034.788	ng/ml	100
16) 2,6-Dinitrotoluene	4.057	165	29603	900.383	ng/ml	100
17) Acenaphthylene	4.098	152	266124	1015.899	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL8.D
 Acq On : 17 Sep 2025 10:13 am
 Operator : SV120:mrg
 Sample : IL8,32,,1000.0ng/mL lot# 11700
 Misc : WG2118161
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 20:46:26 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:16:16 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.200	153	168343	987.234	ng/ml	100
20)	2,4-Dinitrotoluene	4.288	165	40174	905.650	ng/ml	100
21)	Fluorene	4.492	166	195385	1039.556	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.519	198	17635	955.274	ng/ml	100
25)	Hexachlorobenzene	4.811	284	62421	944.879	ng/ml	100
26)	Pentachlorophenol	4.923	266	20061	1040.116	ng/ml	100
27)	Phenanthrene	5.039	178	297005	989.585	ng/ml	100
28)	Anthracene	5.068	178	299415	1002.107	ng/ml	100
29)	Fluoranthene	5.731	202	333389	998.464	ng/ml	100
30)	Pyrene	5.864	202	353105	1018.795	ng/ml	100
31)	Benzydine	5.810	184	117061	829.260	ng/mL	100
34)	Benzo[a]anthracene	6.615	228	310555	978.341	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.600	252	114146	917.405	ng/ml	100
36)	Chrysene	6.639	228	308811	975.913	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.646	149	166128	1007.262	ng/ml	100
39)	Benzo[b]fluoranthene	7.495	252	271347	1058.760	ng/ml	100
40)	Benzo[k]fluoranthene	7.521	252	293006M1	1028.658	ng/ml	
41)	Benzo[a]pyrene	7.822	252	253672	1050.262	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.168	276	212921	1061.115	ng/ml	100
43)	Dibenzo[a,h]anthracene	9.210	278	223866M6	1156.670	ng/ml	
44)	Benzo[g,h,i]perylene	9.525	276	240881	1053.807	ng/ml	100

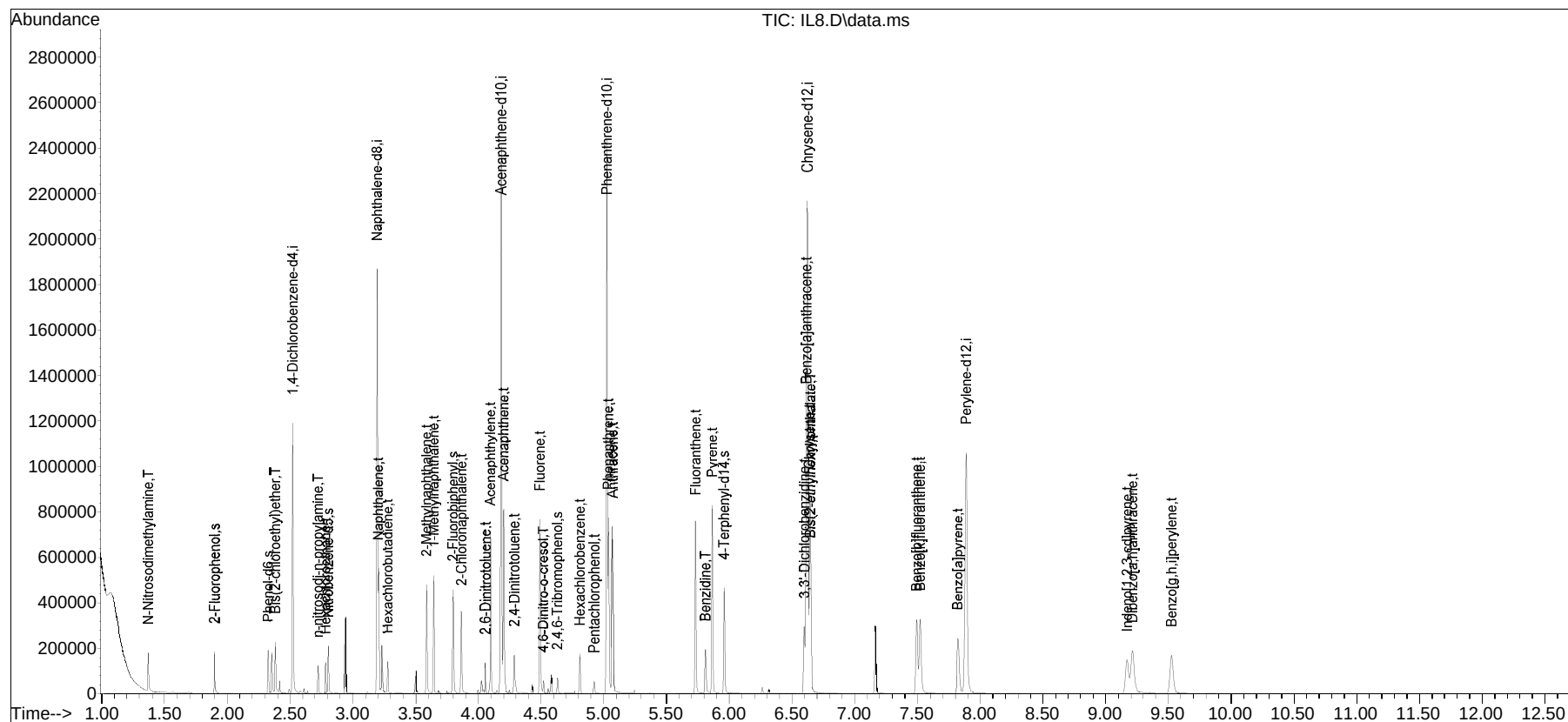
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL8.D
 Acq On : 17 Sep 2025 10:13 am
 Operator : SV120:mrg
 Sample : IL8,32,,1000.0ng/mL lot# 11700
 Misc : WG2118161
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 22 20:46:26 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:16:16 2025
 Response via : Initial Calibration

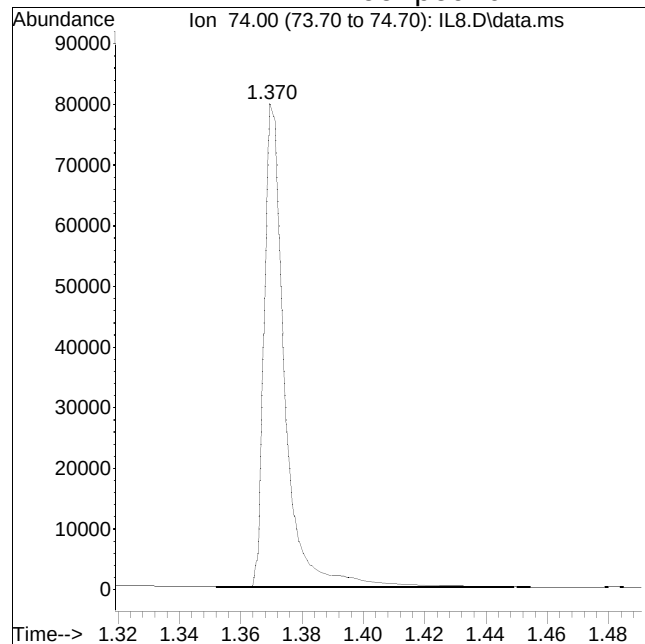
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

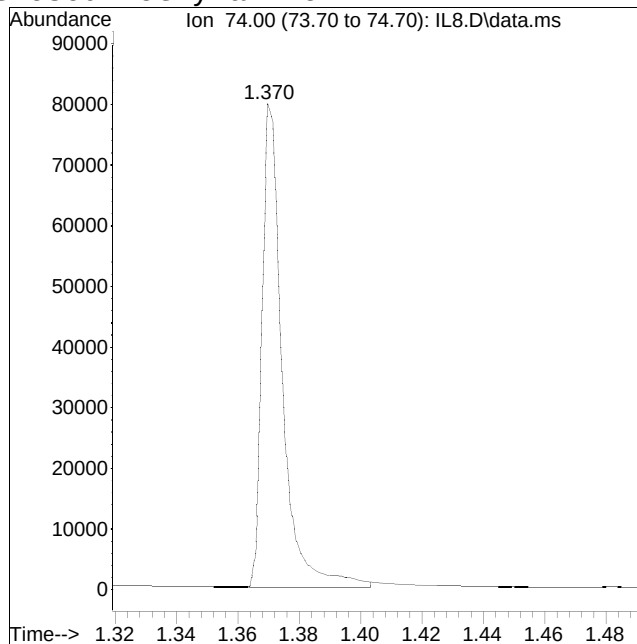
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL8.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 10:13 am Instrument : SV120
Sample : IL8,32,,1000.0ng/mL lot# 1 Quant Date : 9/22/2025 6:16 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 37550

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

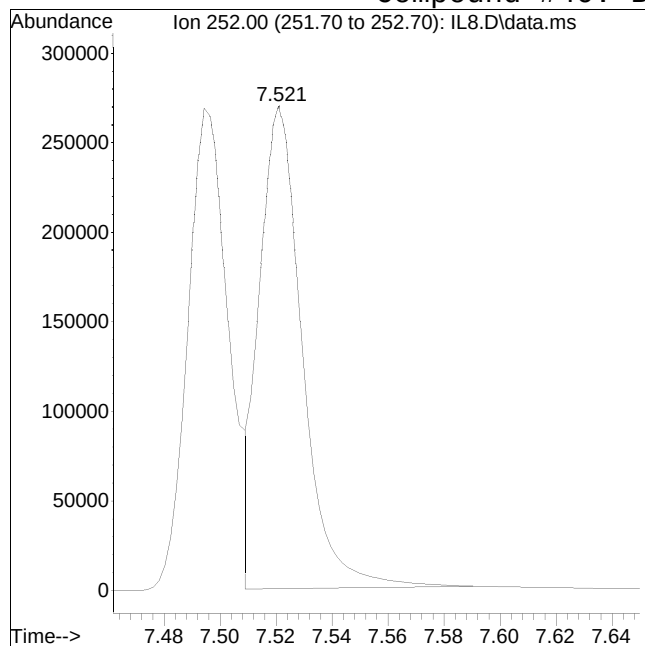


Manual Peak Response = 36880 M6

Manual Integration Report

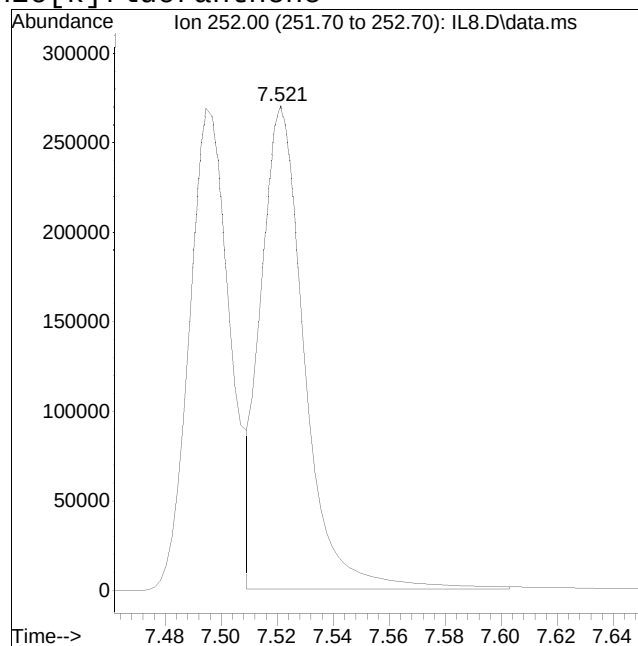
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL8.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 10:13 am Instrument : SV120
Sample : IL8,32,,1000.0ng/mL lot# 1 Quant Date : 9/22/2025 6:16 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 288176

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

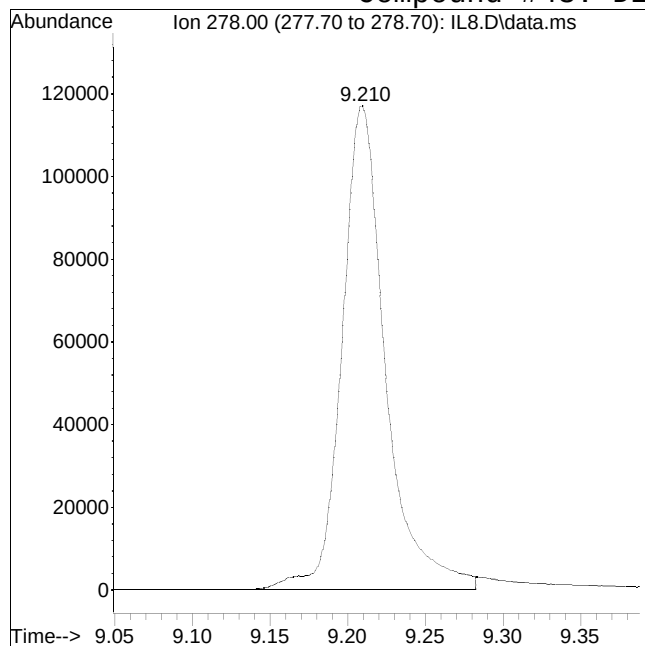


Manual Peak Response = 293006 M1

Manual Integration Report

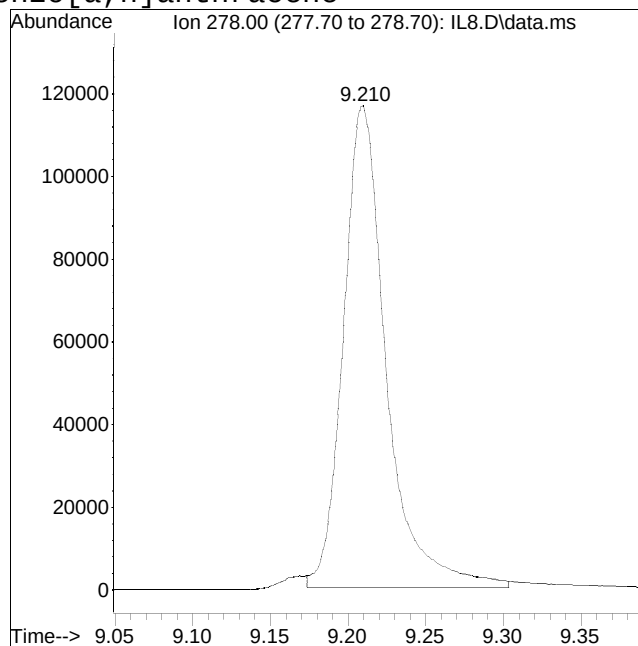
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL8.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 10:13 am Instrument : SV120
Sample : IL8,32,,1000.0ng/mL lot# 1 Quant Date : 9/22/2025 6:16 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 228913

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 223866 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL7.D
 Acq On : 17 Sep 2025 10:29 am
 Operator : SV120:mrg
 Sample : IL7,32,,500.0ng/mL lot# 11701
 Misc : WG2118161
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 22 20:46:03 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:16:12 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.520	152	282774	4000.000	ng/ml	0.00
Standard Area 1 = 237330			Recovery	=	119.15%	
9) Naphthalene-d8	3.193	136	1110543	4000.000	ng/ml	0.00
Standard Area 1 = 940451			Recovery	=	118.09%	
18) Acenaphthene-d10	4.180	164	648458	4000.000	ng/ml	0.00
Standard Area 1 = 566332			Recovery	=	114.50%	
23) Phenanthrene-d10	5.024	188	1287640	4000.000	ng/ml	0.00
Standard Area 1 = 1177699			Recovery	=	109.34%	
33) Chrysene-d12	6.621	240	1114765	4000.000	ng/ml	0.00
Standard Area 1 = 1041114			Recovery	=	107.07%	
38) Perylene-d12	7.883	264	1047713	4000.000	ng/ml	0.00
Standard Area 1 = 984649			Recovery	=	106.40%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.902	112	35122	542.591	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	27.13%	
4) Phenol-d6	2.325	99	45235	541.926	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	27.10%	
8) Nitrobenzene-d5	2.805	82	36398	476.672	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	47.67%	
14) 2-Fluorobiphenyl	3.796	172	109970	515.692	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	51.57%	
22) 2,4,6-Tribromophenol	4.629	330	11714	522.409	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	26.12%	
32) 4-Terphenyl-d14	5.959	244	128455	504.331	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	50.43%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.380	74	21298M6	511.179	ng/mL	
5) Bis(2-chloroethyl)ether	2.380	93	36316	490.474	ng/ml	99
6) n-nitrosodi-n-propylamine	2.724	70	28982	522.710	ng/ml	99
7) Hexachloroethane	2.785	117	17884	502.499	ng/ml	99
10) Naphthalene	3.204	128	133377	495.243	ng/ml	100
11) Hexachlorobutadiene	3.278	225	25674	512.684	ng/ml	100
12) 2-Methylnaphthalene	3.588	142	81792	520.974	ng/ml	100
13) 1-Methylnaphthalene	3.643	142	88991	520.187	ng/ml	98
15) 2-Chloronaphthalene	3.862	162	92415	523.822	ng/ml	100
16) 2,6-Dinitrotoluene	4.057	165	15884	423.346	ng/ml	99
17) Acenaphthylene	4.098	152	156587	506.157	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL7.D
 Acq On : 17 Sep 2025 10:29 am
 Operator : SV120:mrg
 Sample : IL7,32,,500.0ng/mL lot# 11701
 Misc : WG2118161
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 22 20:46:03 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:16:12 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.198	153	99528	509.752	ng/ml	96
20)	2,4-Dinitrotoluene	4.286	165	20343	417.592	ng/ml	95
21)	Fluorene	4.492	166	111848	519.726	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.519	198	8982	473.047	ng/ml	98
25)	Hexachlorobenzene	4.811	284	35918	497.276	ng/ml	99
26)	Pentachlorophenol	4.919	266	7797	470.578	ng/ml	100
27)	Phenanthrene	5.038	178	168174	512.493	ng/ml	100
28)	Anthracene	5.068	178	168530	515.891	ng/ml	100
29)	Fluoranthene	5.729	202	186389	510.554	ng/ml	99
30)	Pyrene	5.863	202	193394	510.347	ng/ml	100
31)	Benzidine	5.807	184	26389	170.978	ng/mL	100
34)	Benzo[a]anthracene	6.614	228	170022	496.361	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.597	252	58377	451.688	ng/ml	99
36)	Chrysene	6.637	228	169880	501.390	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.644	149	85111	481.948	ng/ml	100
39)	Benzo[b]fluoranthene	7.494	252	143319	525.552	ng/ml	100
40)	Benzo[k]fluoranthene	7.519	252	157761	520.515	ng/ml	99
41)	Benzo[a]pyrene	7.819	252	134589	523.689	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.165	276	108450	507.940	ng/ml	98
43)	Dibenzo[a,h]anthracene	9.206	278	115474M4	560.718	ng/ml	
44)	Benzo[g,h,i]perylene	9.523	276	124918	513.597	ng/ml	100

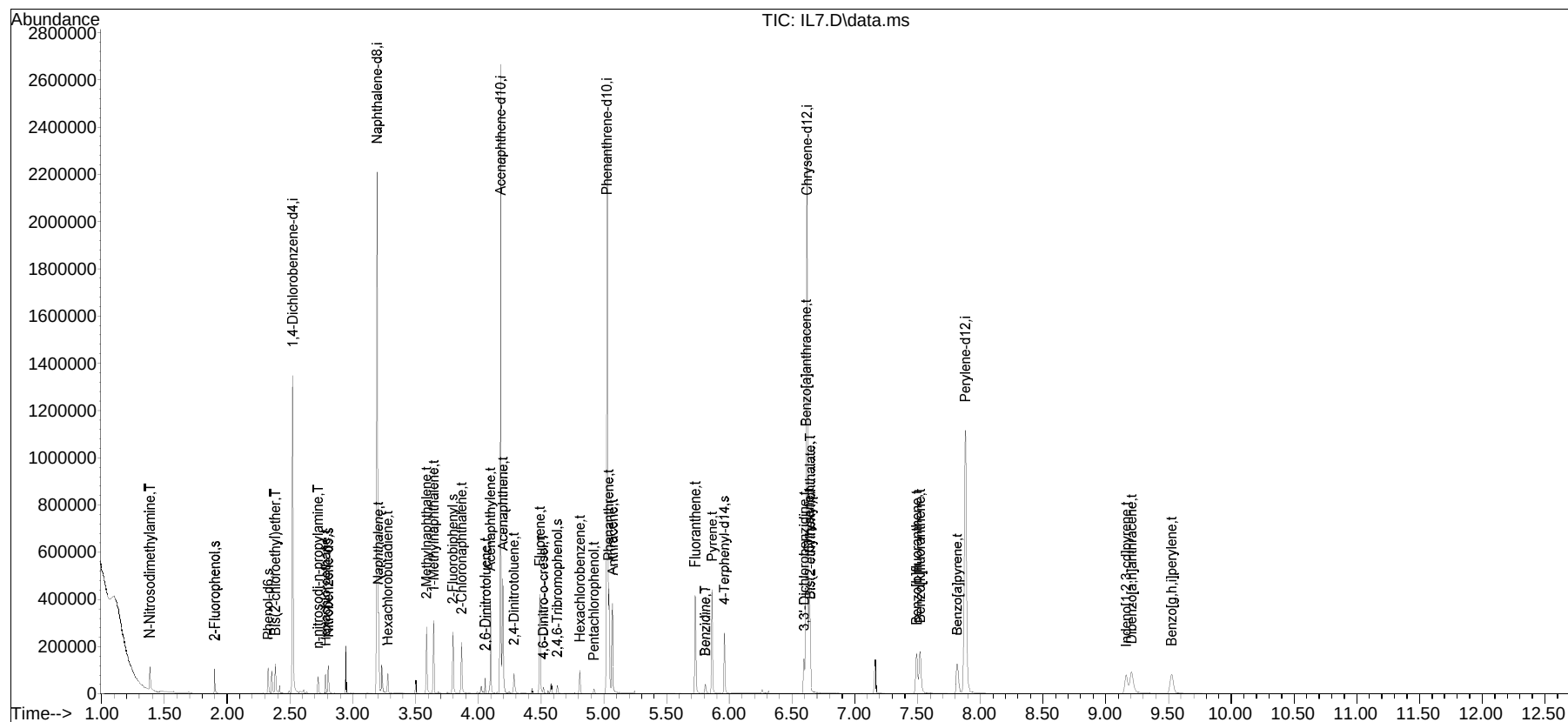
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

```
Data Path : I:\8270SIM\sv120\250917RVTical\
Data File : IL7.D
Acq On    : 17 Sep 2025  10:29 am
Operator  : SV120:mrg
Sample    : IL7,32,,500.0ng/mL lot# 11701
Misc      : WG2118161
ALS Vial  : 4      Sample Multiplier: 1
```

Quant Time: Sep 22 20:46:03 2025
Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 22 18:16:12 2025
Response via : Initial Calibration

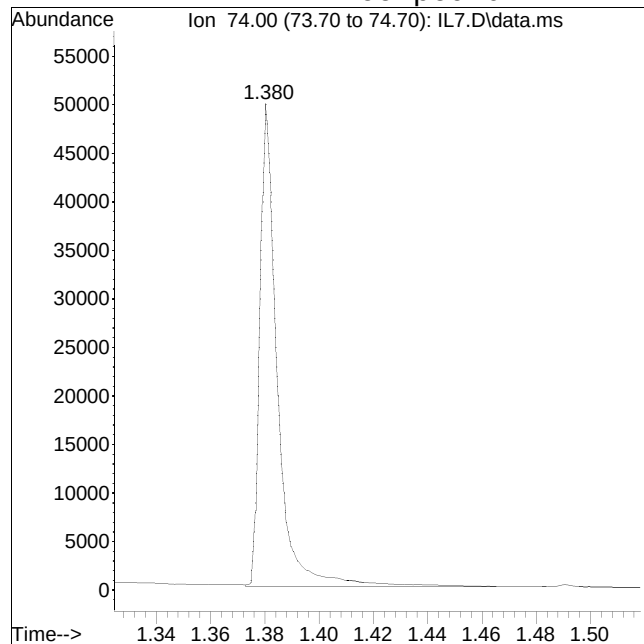
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

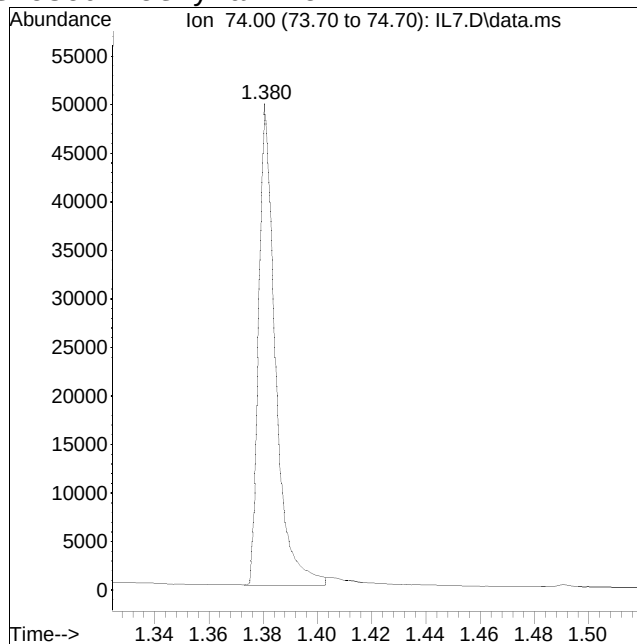
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL7.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 10:29 am Instrument : SV120
Sample : IL7,32,,500.0ng/mL lot# 11Quant Date : 9/22/2025 6:16 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 22650

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

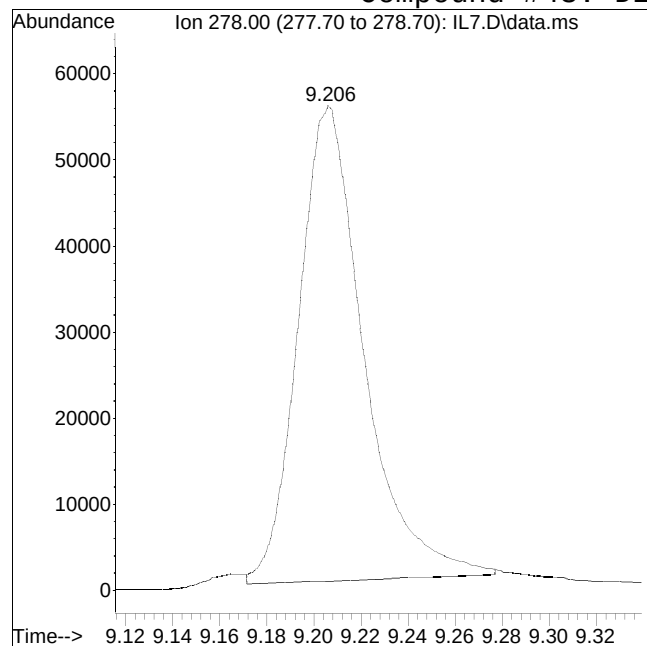


Manual Peak Response = 21298 M6

Manual Integration Report

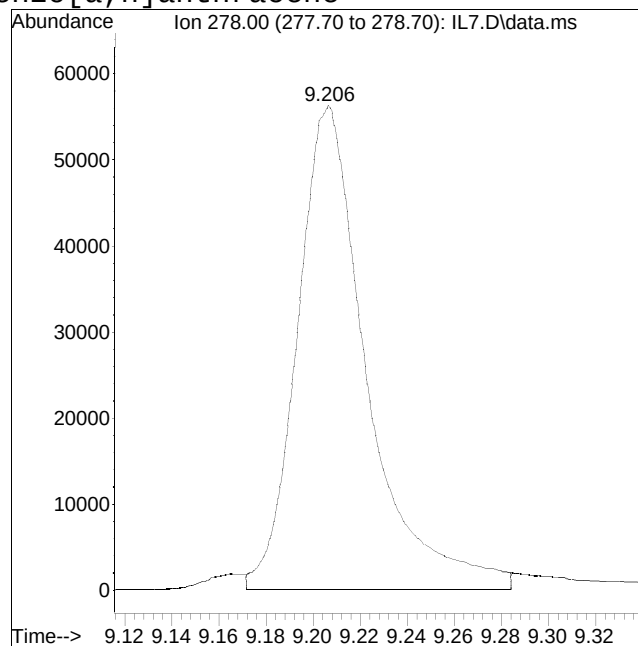
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL7.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 10:29 am Instrument : SV120
Sample : IL7,32,,500.0ng/mL lot# 11Quant Date : 9/22/2025 6:16 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 106800

M4 = Poor automated baseline construction.



Manual Peak Response = 115474 M4

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL6.D
 Acq On : 17 Sep 2025 10:46 am
 Operator : SV120:mrg
 Sample : IL6,32,,100.0ng/mL lot# 11702
 Misc : WG2118161
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 22 20:44:36 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:16:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.517	152	257906	4000.000	ng/ml	0.00
Standard Area 1 = 237330			Recovery	=	108.67%	
9) Naphthalene-d8	3.191	136	1008800	4000.000	ng/ml	0.00
Standard Area 1 = 940451			Recovery	=	107.27%	
18) Acenaphthene-d10	4.180	164	595835	4000.000	ng/ml	0.00
Standard Area 1 = 566332			Recovery	=	105.21%	
23) Phenanthrene-d10	5.024	188	1200876	4000.000	ng/ml	0.00
Standard Area 1 = 1177699			Recovery	=	101.97%	
33) Chrysene-d12	6.621	240	1054714	4000.000	ng/ml	0.00
Standard Area 1 = 1041114			Recovery	=	101.31%	
38) Perylene-d12	7.883	264	983505	4000.000	ng/ml	0.00
Standard Area 1 = 984649			Recovery	=	99.88%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.900	112	5807	98.361	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	4.92%#	
4) Phenol-d6	2.325	99	7349	96.532	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	4.83%#	
8) Nitrobenzene-d5	2.805	82	5738	85.726	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	8.57%#	
14) 2-Fluorobiphenyl	3.797	172	19074	98.466	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	9.85%#	
22) 2,4,6-Tribromophenol	4.629	330	1911	92.752	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	4.64%#	
32) 4-Terphenyl-d14	5.959	244	22355	94.110	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	9.41%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.379	74	3387M6	89.131	ng/mL	
5) Bis(2-chloroethyl)ether	2.380	93	5196	83.056	ng/ml	95
6) n-nitrosodi-n-propylamine	2.725	70	4854	95.986	ng/ml	99
7) Hexachloroethane	2.784	117	3168	97.596	ng/ml	100
10) Naphthalene	3.203	128	23905	97.714	ng/ml	99
11) Hexachlorobutadiene	3.278	225	4550	100.023	ng/ml	99
12) 2-Methylnaphthalene	3.588	142	13846	97.087	ng/ml	100
13) 1-Methylnaphthalene	3.643	142	15716	101.131	ng/ml	97
15) 2-Chloronaphthalene	3.862	162	15730	98.152	ng/ml	100
16) 2,6-Dinitrotoluene	4.057	165	2383	91.737	ng/ml	95
17) Acenaphthylene	4.098	152	27076	96.348	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL6.D
 Acq On : 17 Sep 2025 10:46 am
 Operator : SV120:mrg
 Sample : IL6,32,,100.0ng/mL lot# 11702
 Misc : WG2118161
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 22 20:44:36 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:16:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.198	153	17753	98.956	ng/ml	95
20)	2,4-Dinitrotoluene	4.286	165	2806	88.708	ng/ml	91
21)	Fluorene	4.492	166	19130	96.742	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.519	198	1160	91.359	ng/ml	99
25)	Hexachlorobenzene	4.811	284	6493	96.389	ng/ml	99
26)	Pentachlorophenol	4.919	266	1210	91.422	ng/ml	100
27)	Phenanthrene	5.039	178	29868M6	97.596	ng/ml	
28)	Anthracene	5.068	178	28771M6	94.435	ng/ml	
29)	Fluoranthene	5.729	202	32530	95.544	ng/ml	100
30)	Pyrene	5.861	202	33879	95.863	ng/ml	100
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.614	228	31473	90.741	ng/ml	98
35)	3,3'-Dichlorobenzidine	6.598	252	8695	92.888	ng/ml	99
36)	Chrysene	6.638	228	31482M4	98.207	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.645	149	13420	80.319	ng/ml	100
39)	Benzo[b]fluoranthene	7.495	252	23727	92.687	ng/ml	100
40)	Benzo[k]fluoranthene	7.519	252	27023M1	94.980	ng/ml	
41)	Benzo[a]pyrene	7.817	252	21955	91.005	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.161	276	16960	84.620	ng/ml	98
43)	Dibenzo[a,h]anthracene	9.206	278	16350M1	84.575	ng/ml	
44)	Benzo[g,h,i]perylene	9.519	276	20502	89.797	ng/ml	98

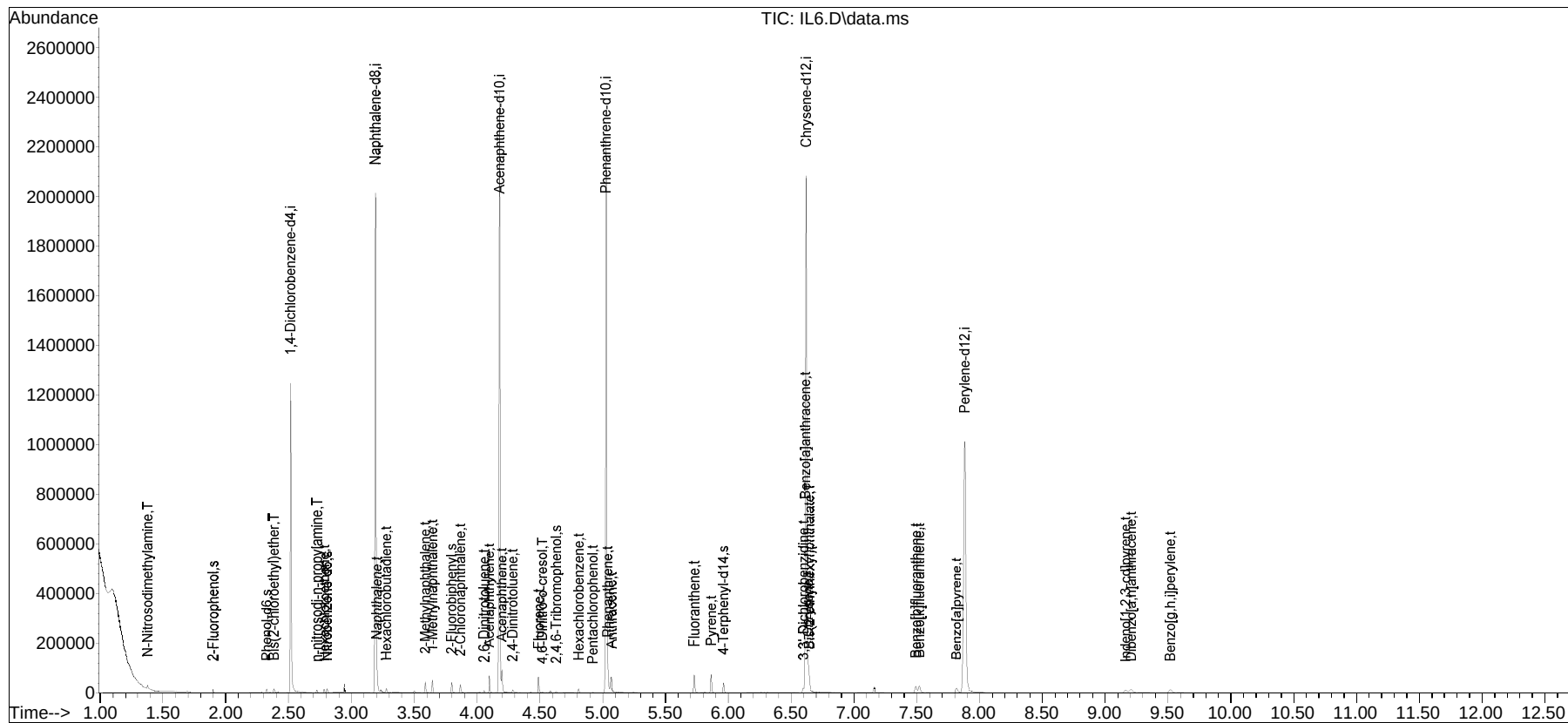
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Data Path : I:\8270SIM\sv120\250917RVTical\
Data File : IL6.D
Acq On    : 17 Sep 2025 10:46 am
Operator  : SV120:mrg
Sample    : IL6,32,,100.0ng/mL lot# 11702
Misc      : WG2118161
ALS Vial  : 5 Sample Multiplier: 1
```

Quant Time: Sep 22 20:44:36 2025
Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 22 18:16:07 2025
Response via : Initial Calibration

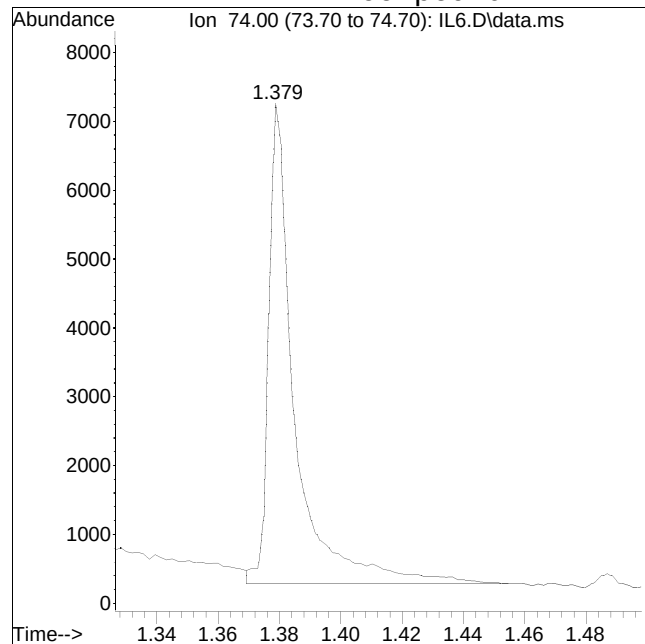
Sub List : Default - All compounds listed in IL8.D.



Manual Integration Report

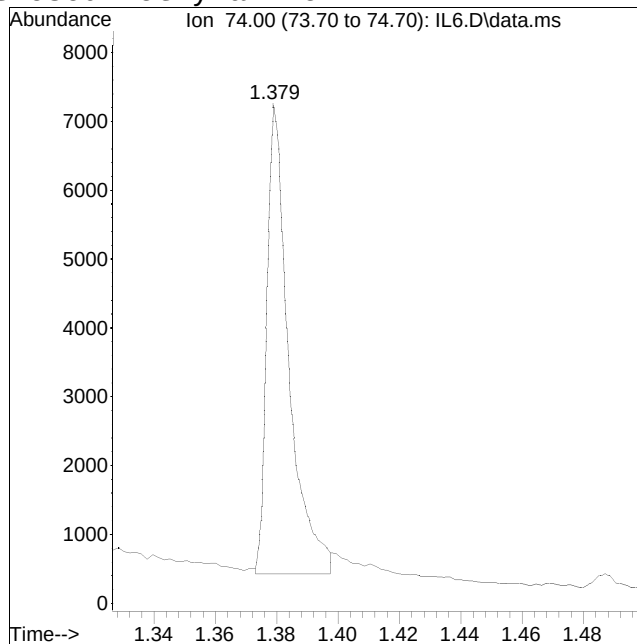
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL6.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 10:46 am Instrument : SV120
Sample : IL6,32,,100.0ng/mL lot# 11Quant Date : 9/22/2025 6:16 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 4129

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

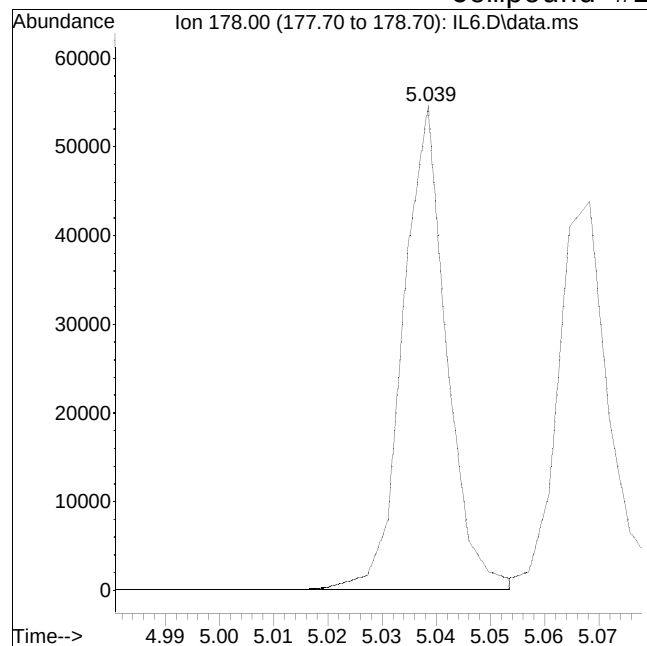


Manual Peak Response = 3387 M6

Manual Integration Report

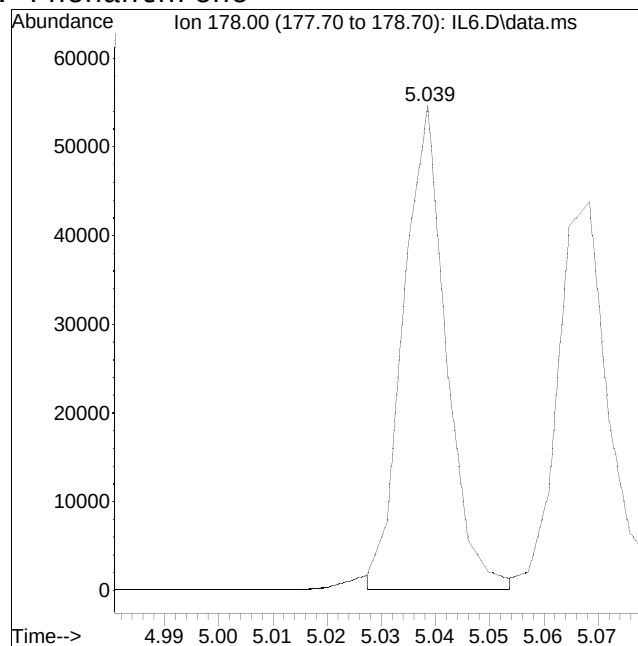
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL6.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 10:46 am Instrument : SV120
Sample : IL6,32,,100.0ng/mL lot# 11Quant Date : 9/22/2025 6:16 pm

Compound #27: Phenanthrene



Original Peak Response = 30552

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

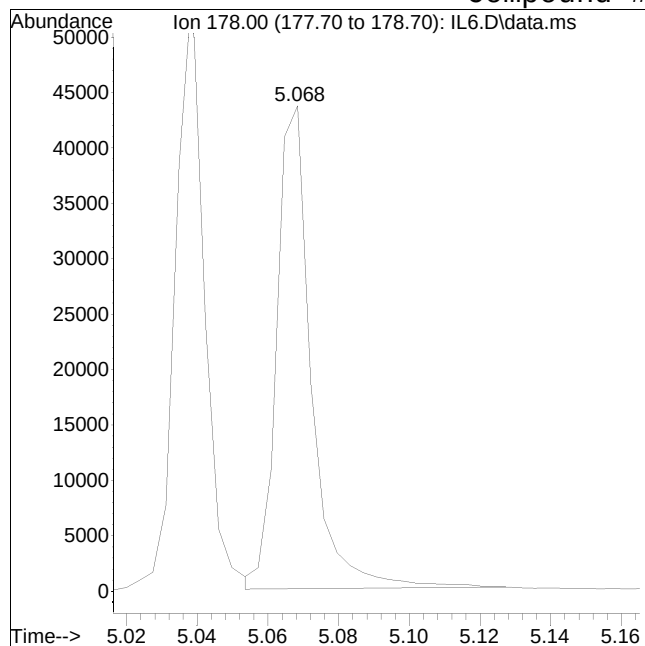


Manual Peak Response = 29868 M6

Manual Integration Report

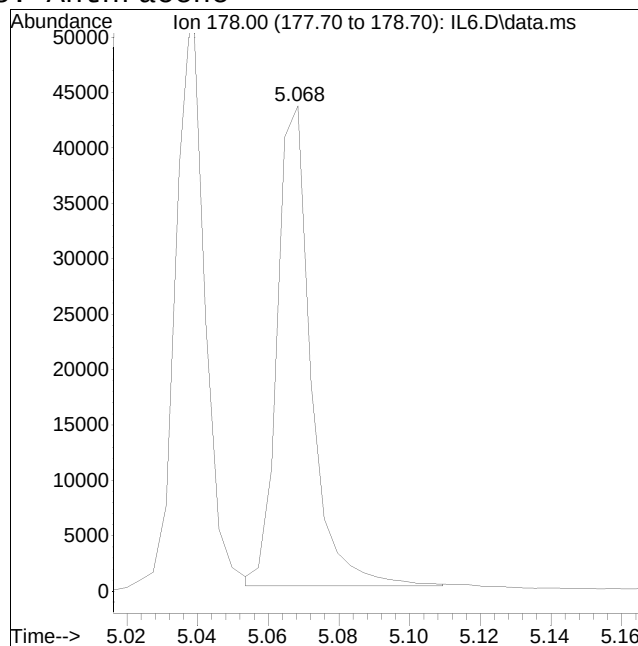
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL6.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 10:46 am Instrument : SV120
Sample : IL6,32,,100.0ng/mL lot# 11Quant Date : 9/22/2025 6:16 pm

Compound #28: Anthracene



Original Peak Response = 29655

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

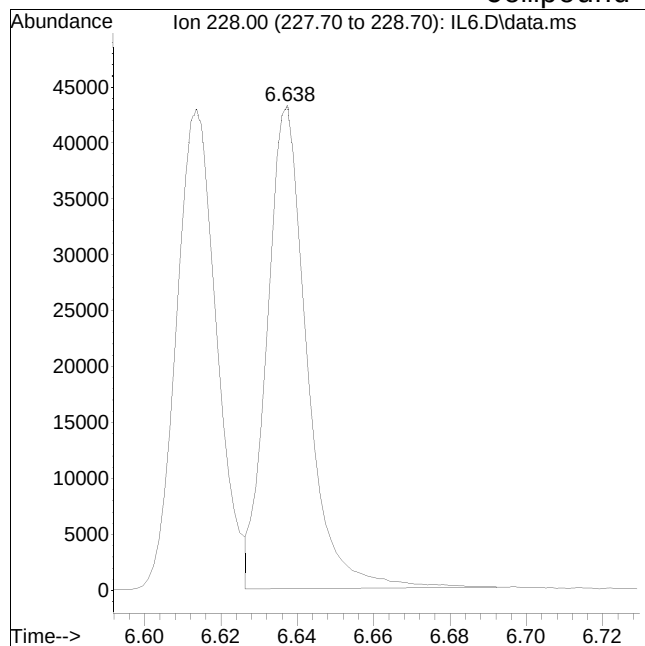


Manual Peak Response = 28771 M6

Manual Integration Report

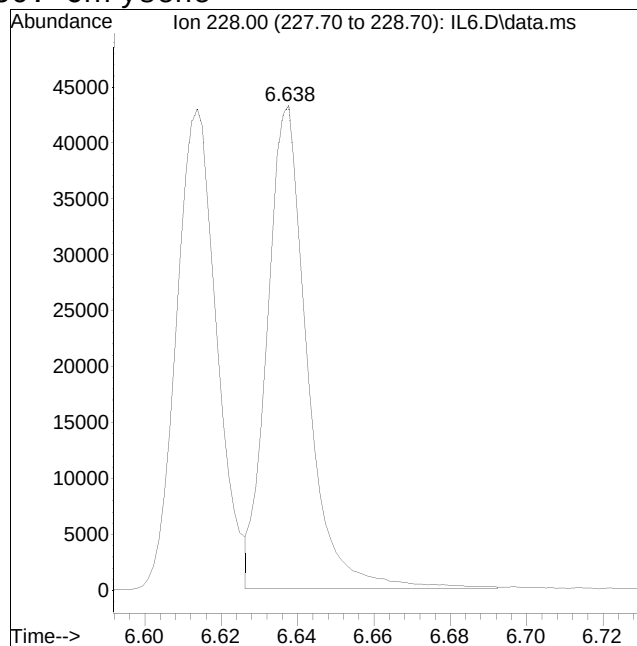
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL6.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 10:46 am Instrument : SV120
Sample : IL6,32,,100.0ng/mL lot# 11Quant Date : 9/22/2025 6:16 pm

Compound #36: Chrysene



Original Peak Response = 31271

M4 = Poor automated baseline construction.

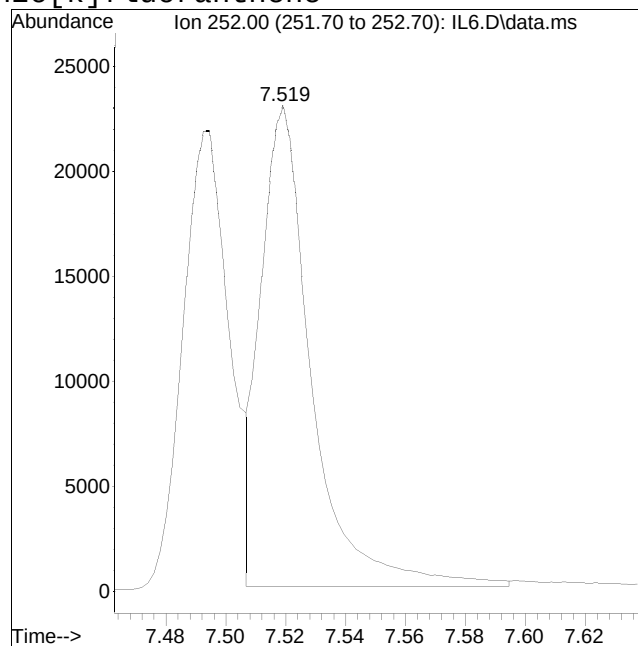
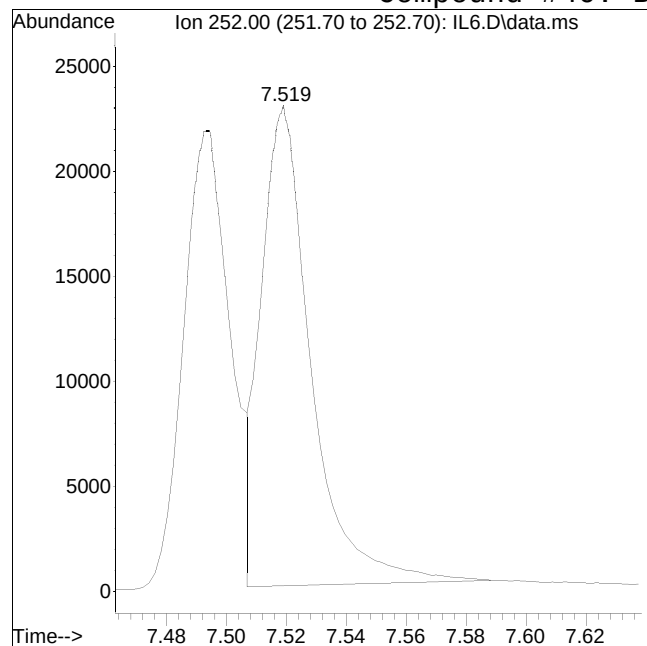


Manual Peak Response = 31482 M4

Manual Integration Report

Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL6.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 10:46 am Instrument : SV120
Sample : IL6,32,,100.0ng/mL lot# 11Quant Date : 9/22/2025 6:16 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 26308

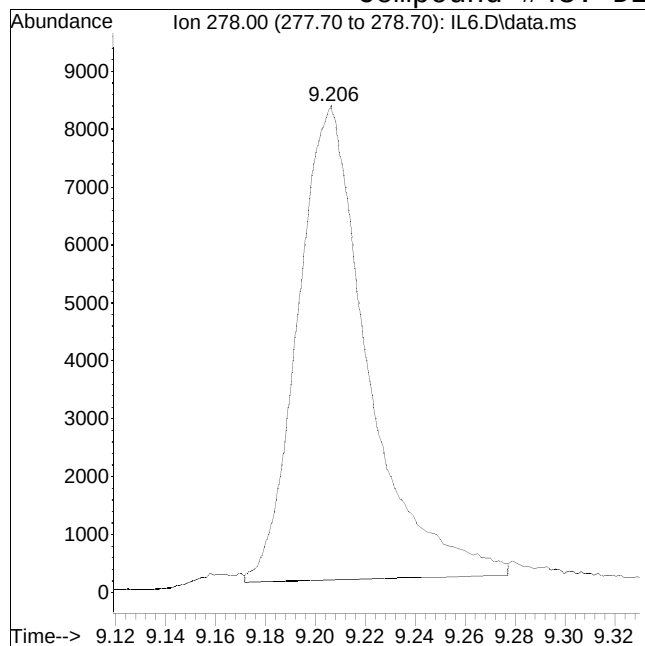
Manual Peak Response = 27023 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

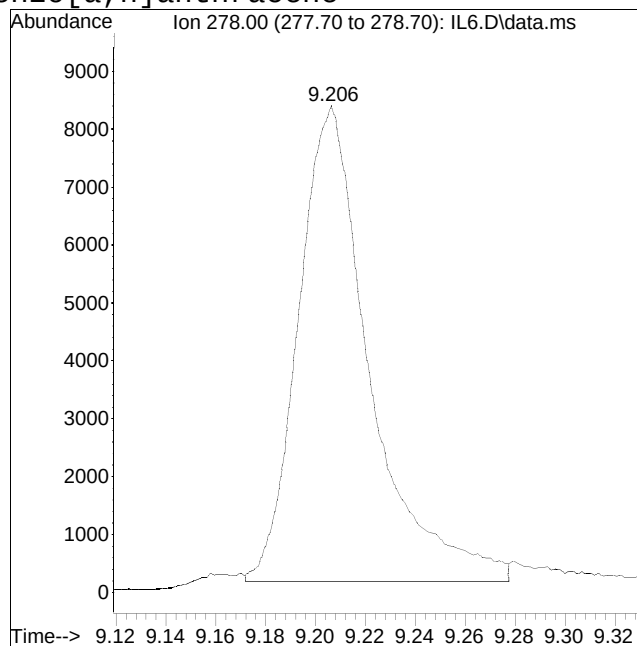
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL6.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 10:46 am Instrument : SV120
Sample : IL6,32,,100.0ng/mL lot# 11Quant Date : 9/22/2025 6:16 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 16065

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 16350 M1

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL5.D
 Acq On : 17 Sep 2025 11:03 am
 Operator : SV120:mrg
 Sample : IL5,32,,40.0ng/mL lot# 11703
 Misc : WG2118161
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 22 20:42:44 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:16:02 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.517	152	229689	4000.000	ng/ml	0.00
Standard Area 1 = 237330			Recovery	=	96.78%	
9) Naphthalene-d8	3.191	136	904651	4000.000	ng/ml	0.00
Standard Area 1 = 940451			Recovery	=	96.19%	
18) Acenaphthene-d10	4.178	164	542704	4000.000	ng/ml	0.00
Standard Area 1 = 566332			Recovery	=	95.83%	
23) Phenanthrene-d10	5.024	188	1140387	4000.000	ng/ml	0.00
Standard Area 1 = 1177699			Recovery	=	96.83%	
33) Chrysene-d12	6.622	240	1034945	4000.000	ng/ml	0.00
Standard Area 1 = 1041114			Recovery	=	99.41%	
38) Perylene-d12	7.885	264	963372	4000.000	ng/ml	0.00
Standard Area 1 = 984649			Recovery	=	97.84%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.902	112	1957	37.221	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	1.86%#	
4) Phenol-d6	2.325	99	2521	37.182	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	1.86%#	
8) Nitrobenzene-d5	2.805	82	1850	33.606	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	3.36%#	
14) 2-Fluorobiphenyl	3.797	172	6784	39.053	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	3.91%#	
22) 2,4,6-Tribromophenol	4.626	330	668	35.596	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	1.78%#	
32) 4-Terphenyl-d14	5.959	244	8713	38.626	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	3.86%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.375	74	1163M6	34.365	ng/mL	
5) Bis(2-chloroethyl)ether	2.380	93	1652	34.313	ng/ml	93
6) n-nitrosodi-n-propylamine	2.725	70	1643	36.481	ng/ml	100
7) Hexachloroethane	2.785	117	1138	39.365	ng/ml	99
10) Naphthalene	3.203	128	8669	39.515	ng/ml	98
11) Hexachlorobutadiene	3.278	225	1657	40.619	ng/ml	98
12) 2-Methylnaphthalene	3.588	142	4908	38.376	ng/ml	100
13) 1-Methylnaphthalene	3.643	142	5677	40.737	ng/ml	97
15) 2-Chloronaphthalene	3.862	162	5618	39.091	ng/ml	99
16) 2,6-Dinitrotoluene	4.055	165	828	51.553	ng/ml#	87
17) Acenaphthylene	4.096	152	9552	37.903	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL5.D
 Acq On : 17 Sep 2025 11:03 am
 Operator : SV120:mrg
 Sample : IL5,32,,40.0ng/mL lot# 11703
 Misc : WG2118161
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 22 20:42:44 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:16:02 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.196	153	6591	40.335	ng/ml	92
20)	2,4-Dinitrotoluene	4.286	165	983	52.960	ng/ml	89
21)	Fluorene	4.490	166	7074	39.276	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.519	198	309	46.019	ng/ml	90
25)	Hexachlorobenzene	4.811	284	2473	38.659	ng/ml	99
26)	Pentachlorophenol	4.919	266	417M6	30.557	ng/ml	
27)	Phenanthrene	5.035	178	11387M6	39.181	ng/ml	
28)	Anthracene	5.065	178	11104	38.380	ng/ml	99
29)	Fluoranthene	5.729	202	12508	38.686	ng/ml	99
30)	Pyrene	5.861	202	13076	38.962	ng/ml	99
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.615	228	14047	36.954	ng/ml	95
35)	3,3'-Dichlorobenzidine	6.598	252	2896	48.605	ng/ml	99
36)	Chrysene	6.639	228	12442	39.554	ng/ml	96
37)	Bis(2-ethylhexyl)phtha...	6.646	149	5246	31.997	ng/ml	100
39)	Benzo[b]fluoranthene	7.495	252	9198	36.682	ng/ml	99
40)	Benzo[k]fluoranthene	7.521	252	10480M1	37.605	ng/ml	
41)	Benzo[a]pyrene	7.819	252	8420	35.631	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.161	276	6515M7	33.185	ng/ml	
43)	Dibenzo[a,h]anthracene	9.201	278	6214M1	32.816	ng/ml	
44)	Benzo[g,h,i]perylene	9.518	276	7950	35.548	ng/ml	97

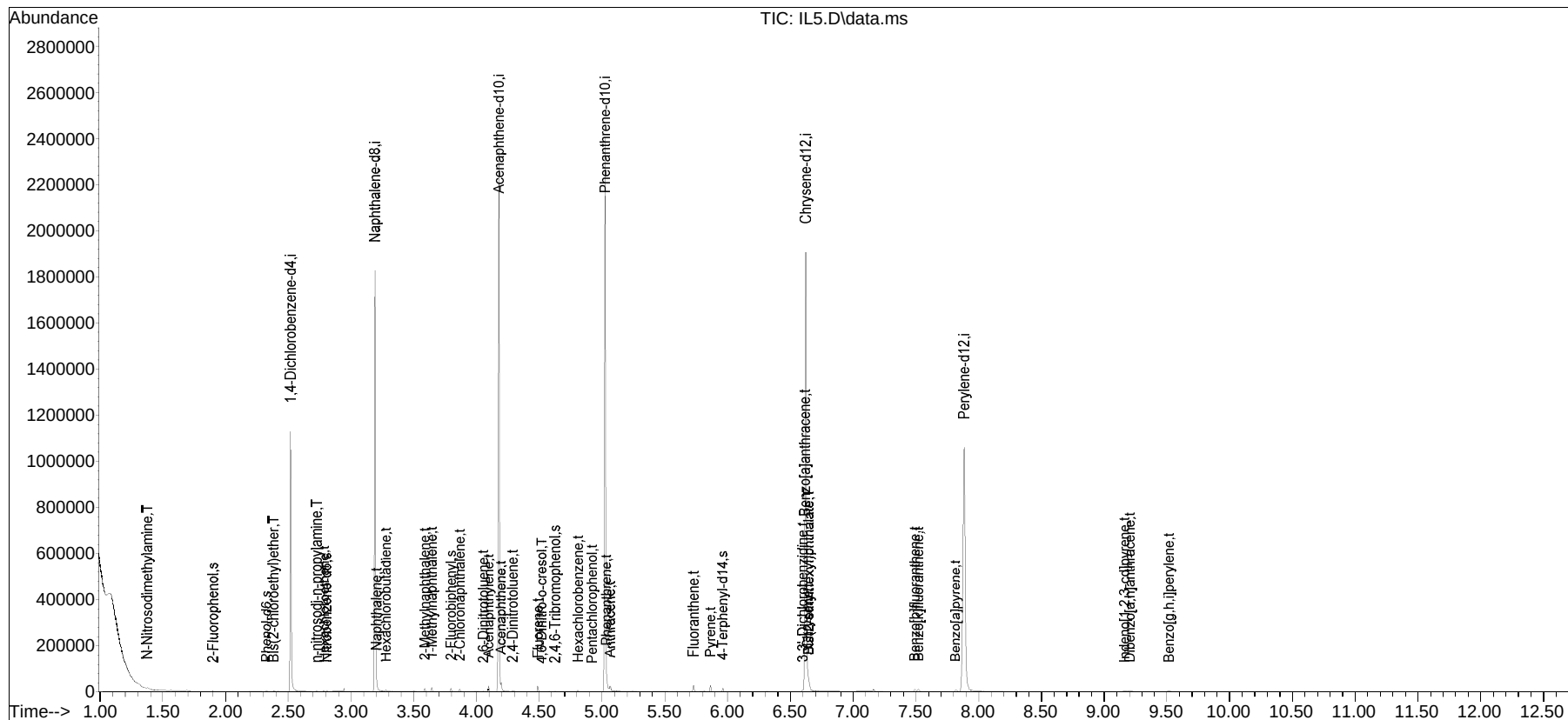
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

```
Data Path : I:\8270SIM\sv120\250917RVTical\
Data File : IL5.D
Acq On    : 17 Sep 2025  11:03 am
Operator  : SV120:mrg
Sample    : IL5,32,,40.0ng/mL lot# 11703
Misc      : WG2118161
ALS Vial  : 6      Sample Multiplier: 1
```

Quant Time: Sep 22 20:42:44 2025
Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 22 18:16:02 2025
Response via : Initial Calibration

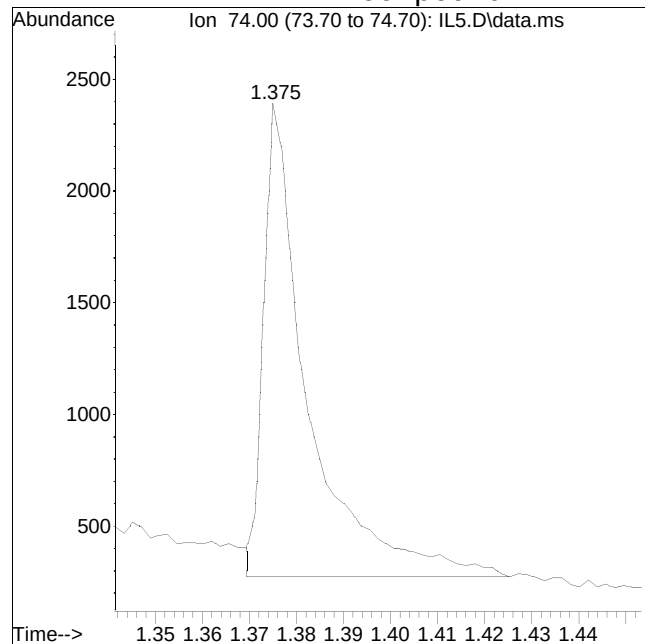
Sub List : Default - All compounds listed in IL8.D.



Manual Integration Report

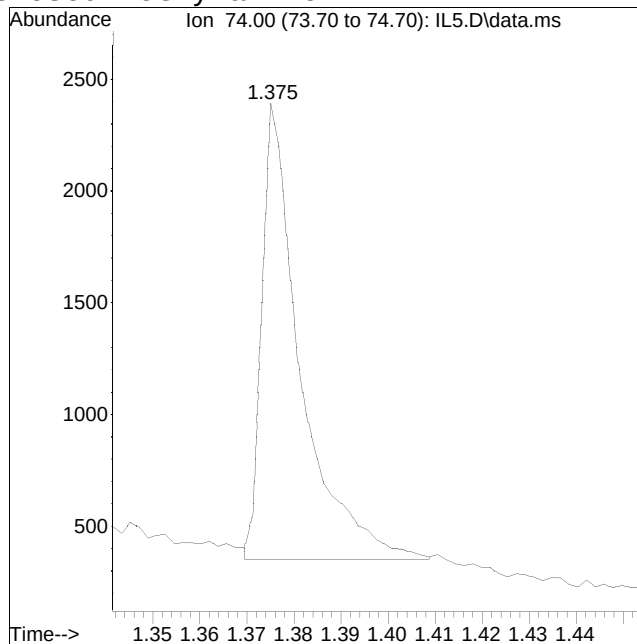
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL5.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:03 am Instrument : SV120
Sample : IL5,32,,40.0ng/mL lot# 117Quant Date : 9/22/2025 6:16 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 1389

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

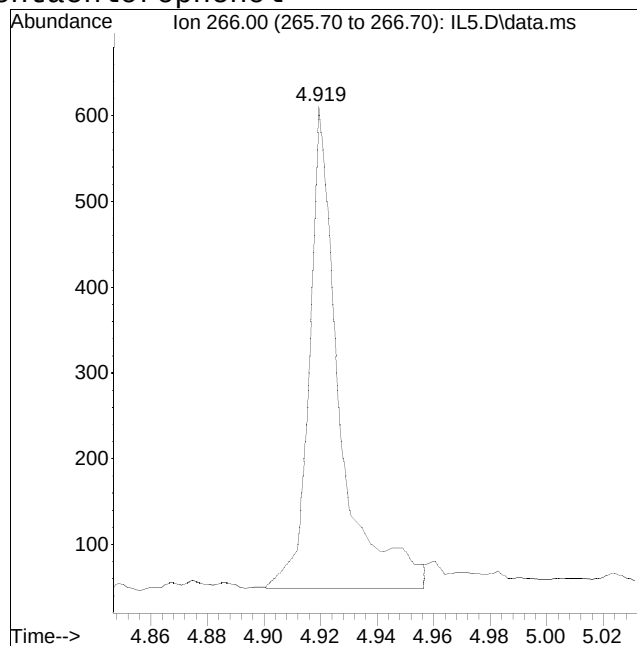
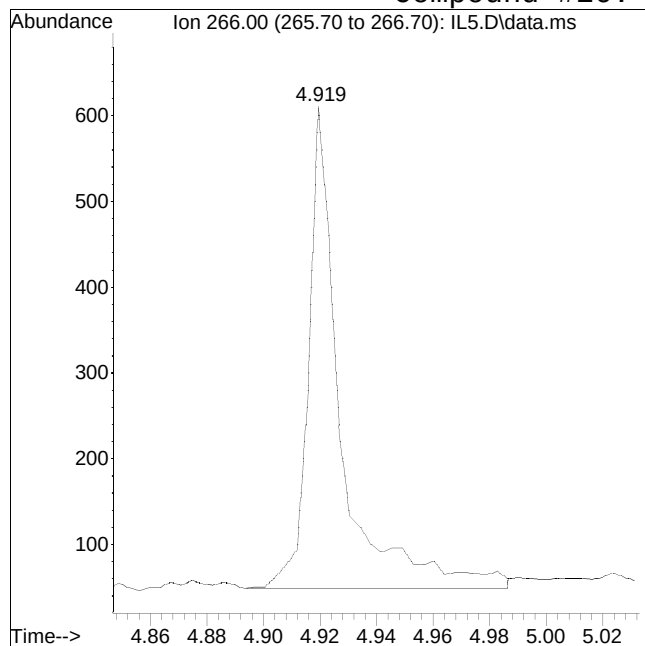


Manual Peak Response = 1163 M6

Manual Integration Report

Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL5.D Operator : SV120:mrq
Date Inj'd : 9/17/2025 11:03 am Instrument : SV120
Sample : IL5,32,,40.0ng/mL lot# 117Quant Date : 9/22/2025 6:16 pm

Compound #26: Pentachlorophenol



Original Peak Response = 451

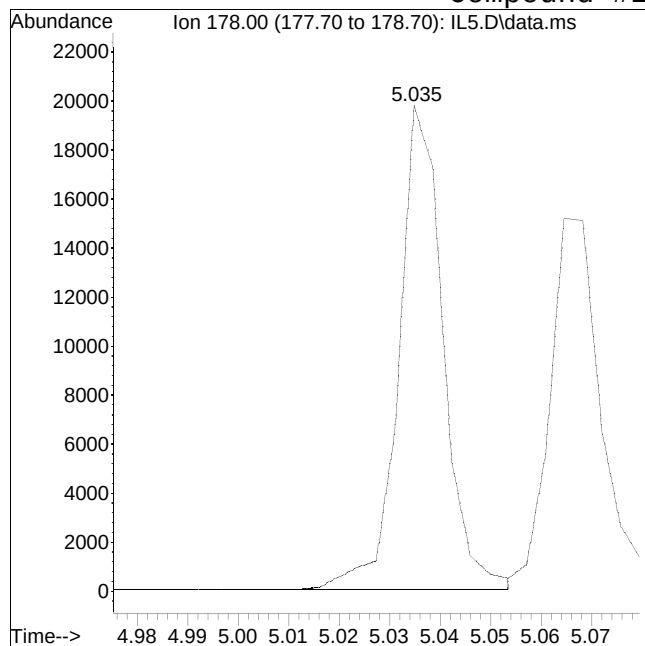
Manual Peak Response = 417 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

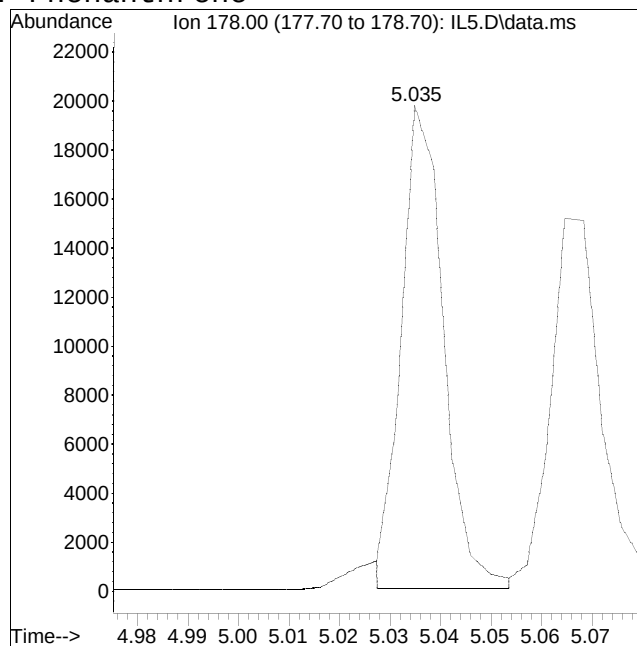
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL5.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:03 am Instrument : SV120
Sample : IL5,32,,40.0ng/mL lot# 117Quant Date : 9/22/2025 6:16 pm

Compound #27: Phenanthrene



Original Peak Response = 12077

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

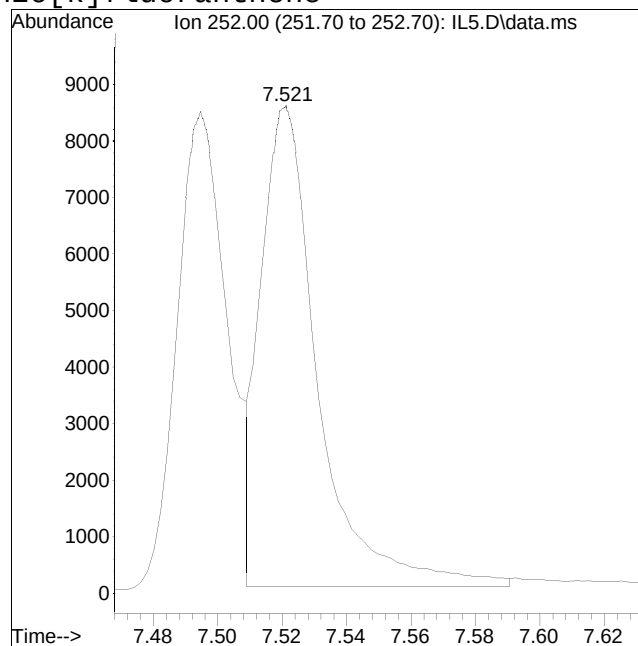
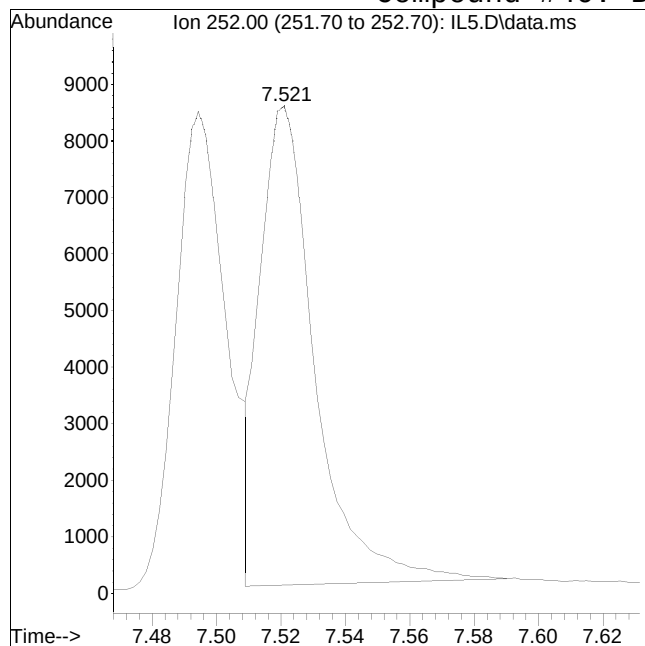


Manual Peak Response = 11387 M6

Manual Integration Report

Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL5.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:03 am Instrument : SV120
Sample : IL5,32,,40.0ng/mL lot# 117Quant Date : 9/22/2025 6:16 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 10137

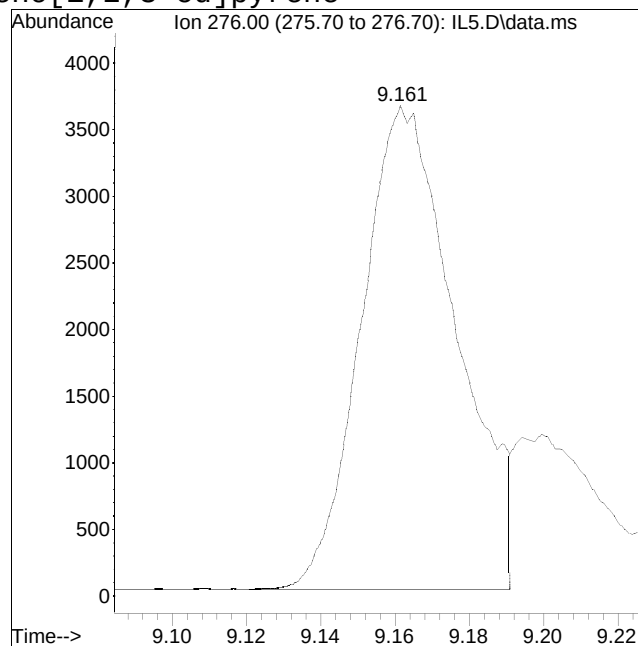
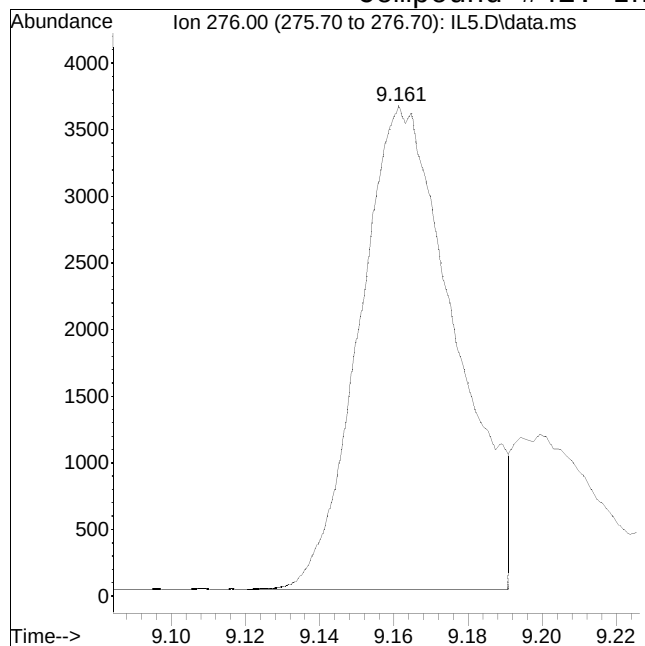
Manual Peak Response = 10480 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL5.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:03 am Instrument : SV120
Sample : IL5,32,,40.0ng/mL lot# 117Quant Date : 9/22/2025 6:16 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 6515

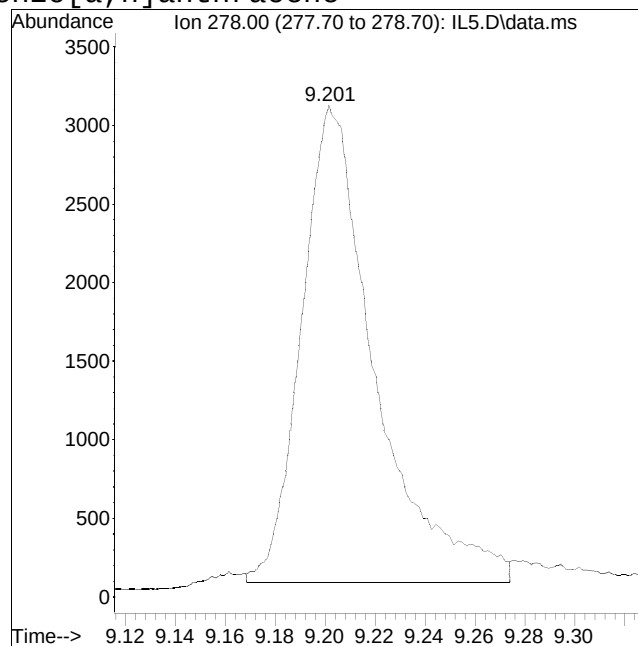
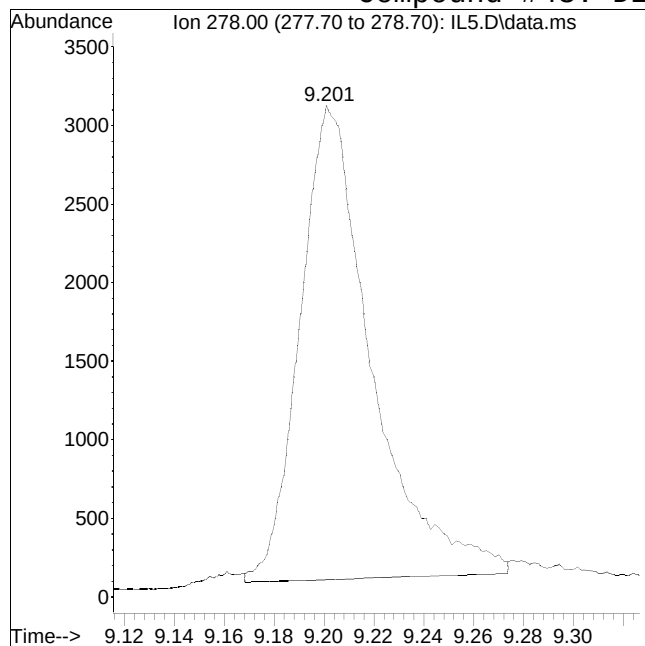
Manual Peak Response = 6515 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL5.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:03 am Instrument : SV120
Sample : IL5,32,,40.0ng/mL lot# 117Quant Date : 9/22/2025 6:16 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 6043

Manual Peak Response = 6214 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL4.D
 Acq On : 17 Sep 2025 11:20 am
 Operator : SV120:mrg
 Sample : IL4,32,,10.0ng/mL lot#11704
 Misc : WG2118161
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 22 18:21:31 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:15:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.517	152	248222	4000.000	ng/ml	0.00
Standard Area 1 = 237330			Recovery = 104.59%			
9) Naphthalene-d8	3.191	136	968287	4000.000	ng/ml	0.00
Standard Area 1 = 940451			Recovery = 102.96%			
18) Acenaphthene-d10	4.178	164	573116	4000.000	ng/ml	0.00
Standard Area 1 = 566332			Recovery = 101.20%			
23) Phenanthrene-d10	5.024	188	1171925	4000.000	ng/ml	0.00
Standard Area 1 = 1177699			Recovery = 99.51%			
33) Chrysene-d12	6.622	240	1048391	4000.000	ng/ml	0.00
Standard Area 1 = 1041114			Recovery = 100.70%			
38) Perylene-d12	7.885	264	984824	4000.000	ng/ml	0.00
Standard Area 1 = 984649			Recovery = 100.02%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.902	112	515	9.064	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.45%#			
4) Phenol-d6	2.325	99	679	9.267	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.46%#			
8) Nitrobenzene-d5	2.806	82	408	10.067	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.01%#			
14) 2-Fluorobiphenyl	3.797	172	1873	10.074	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.01%#			
22) 2,4,6-Tribromophenol	4.626	330	174	8.780	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.44%#			
32) 4-Terphenyl-d14	5.959	244	2262	9.758	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.98%#			
Target Compounds						
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
5) Bis(2-chloroethyl)ether	2.383	93	400M6	13.315	ng/ml	
6) n-nitrosodi-n-propylamine	2.725	70	422	8.670	ng/ml	99
7) Hexachloroethane	2.784	117	343	10.979	ng/ml	96
10) Naphthalene	3.203	128	2425	10.327	ng/ml#	93
11) Hexachlorobutadiene	3.276	225	458	10.489	ng/ml	95
12) 2-Methylnaphthalene	3.588	142	1339	9.782	ng/ml	99
13) 1-Methylnaphthalene	3.643	142	1473	9.875	ng/ml	95
15) 2-Chloronaphthalene	3.862	162	1415	9.199	ng/ml	97
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
17) Acenaphthylene	4.096	152	2493	9.242	ng/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL4.D
 Acq On : 17 Sep 2025 11:20 am
 Operator : SV120:mrg
 Sample : IL4,32,,10.0ng/mL lot#11704
 Misc : WG2118161
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 22 18:21:31 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:15:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.196	153	1757	10.182	ng/ml	90
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
21)	Fluorene	4.490	166	1864	9.800	ng/ml	99
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
25)	Hexachlorobenzene	4.808	284	645M6	9.812	ng/ml	
26)	Pentachlorophenol	4.919	266	228	13.542	ng/ml	96
27)	Phenanthrene	5.035	178	3059M1	10.242	ng/ml	
28)	Anthracene	5.065	178	2974	10.003	ng/ml	100
29)	Fluoranthene	5.729	202	3279	9.869	ng/ml	100
30)	Pyrene	5.861	202	3445	9.989	ng/ml	100
31)	Benzydine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.619	228	5775	10.291	ng/ml#	86
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36)	Chrysene	6.639	228	3149M4	9.882	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.646	149	1600	9.634	ng/ml	98
39)	Benzo[b]fluoranthene	7.497	252	2348	9.160	ng/ml	99
40)	Benzo[k]fluoranthene	7.519	252	2648M4	9.295	ng/ml	
41)	Benzo[a]pyrene	7.821	252	2181	9.028	ng/ml	98
42)	Indeno[1,2,3-cd]pyrene	9.163	276	1666	8.301	ng/ml	99
43)	Dibenzo[a,h]anthracene	9.208	278	1601M1	8.271	ng/ml	
44)	Benzo[g,h,i]perylene	9.521	276	1973	8.630	ng/ml	99

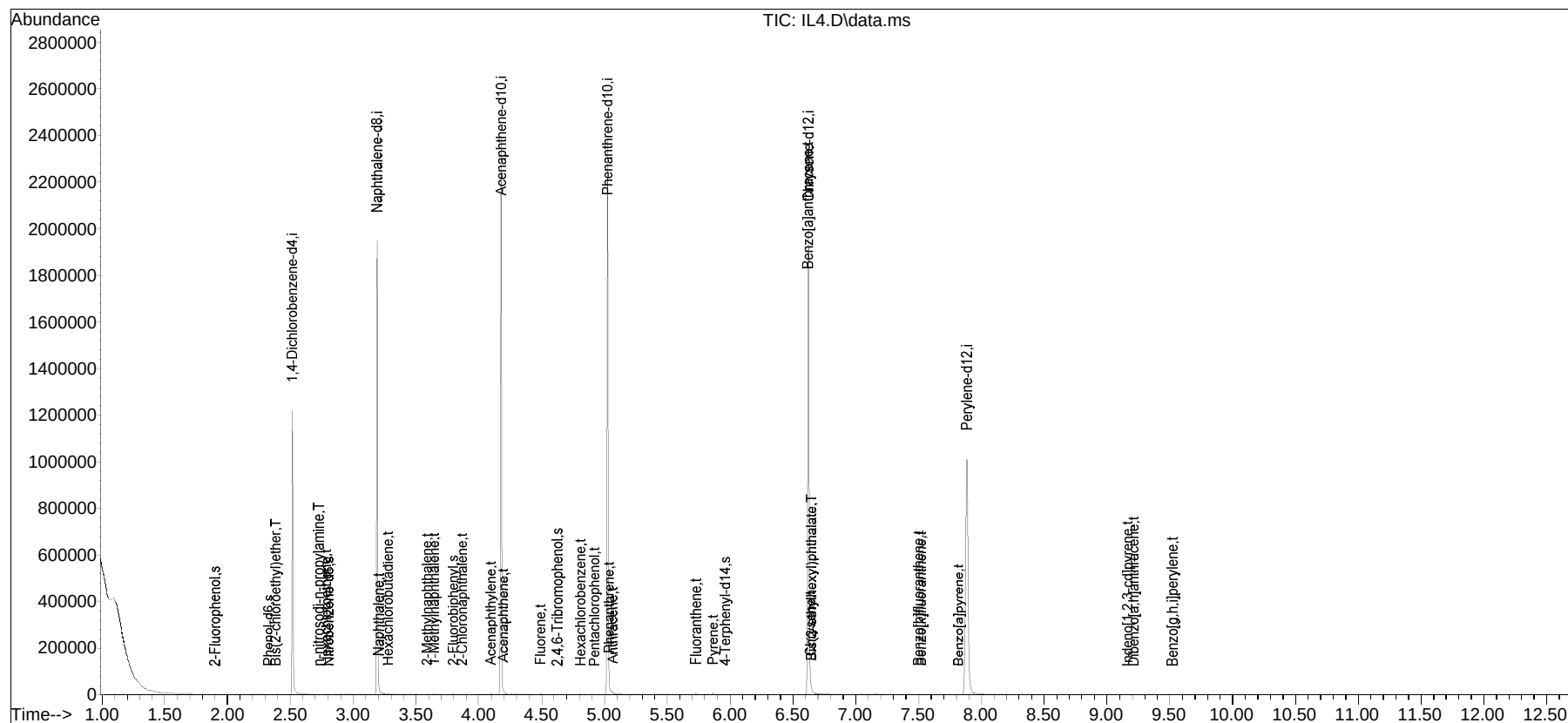
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL4.D
 Acq On : 17 Sep 2025 11:20 am
 Operator : SV120:mrg
 Sample : IL4,32,,10.0ng/mL lot#11704
 Misc : WG2118161
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 22 18:21:31 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:15:57 2025
 Response via : Initial Calibration

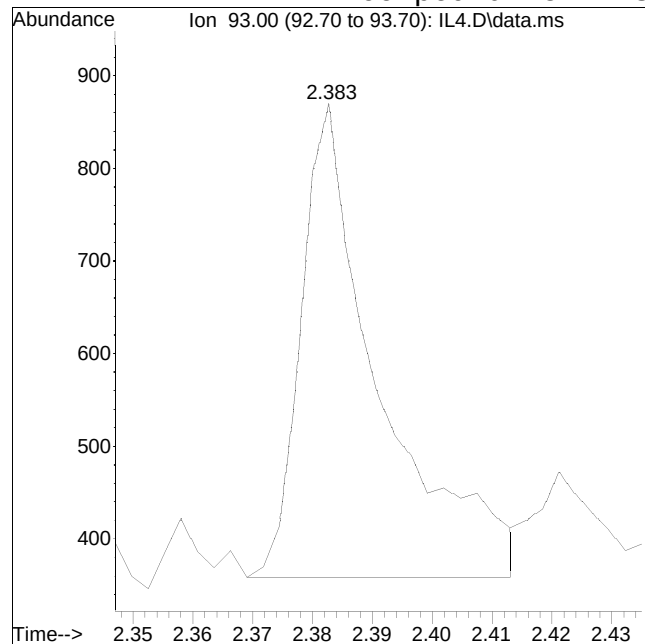
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

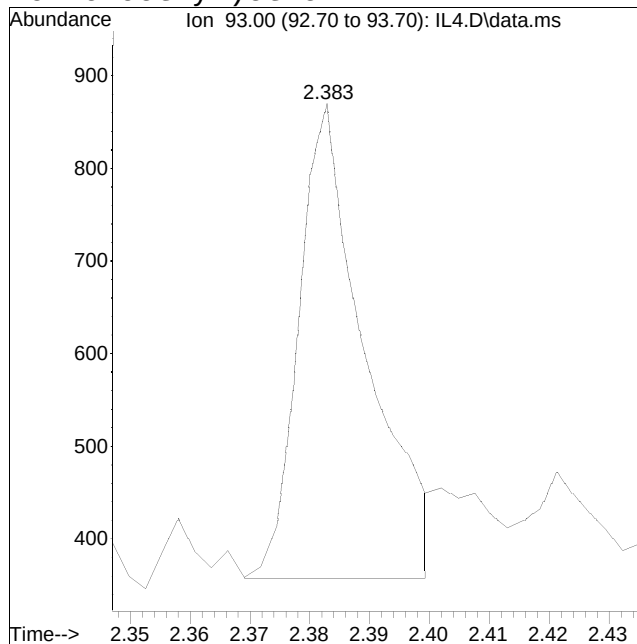
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL4.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:20 am Instrument : SV120
Sample : IL4,32,,10.0ng/mL lot#1170 Quant Date : 9/22/2025 6:15 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 462

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

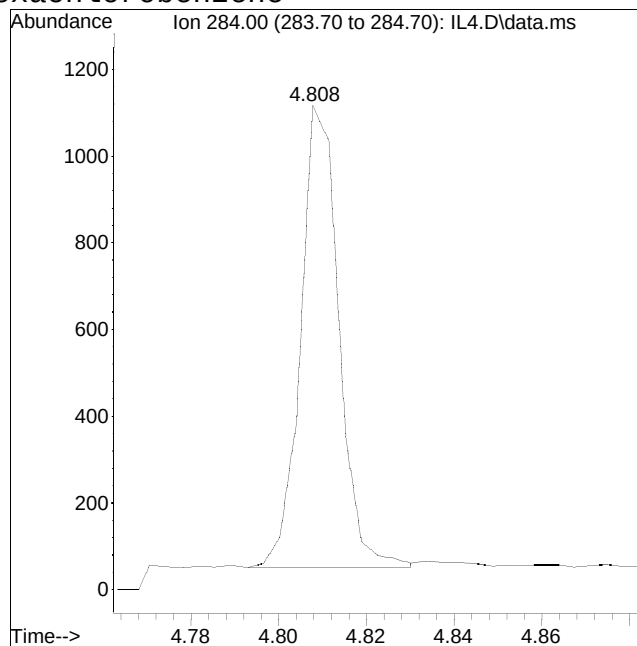
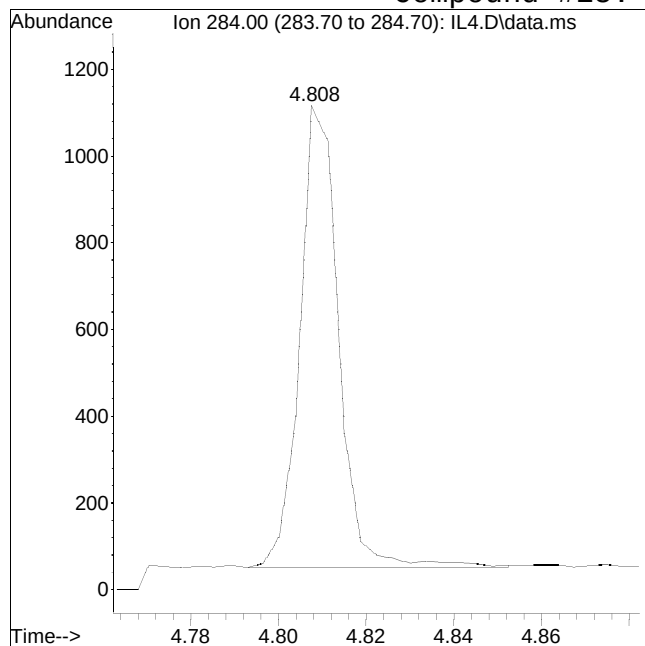


Manual Peak Response = 400 M6

Manual Integration Report

Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL4.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:20 am Instrument : SV120
Sample : IL4,32,,10.0ng/mL lot#1170 Quant Date : 9/22/2025 6:15 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 657

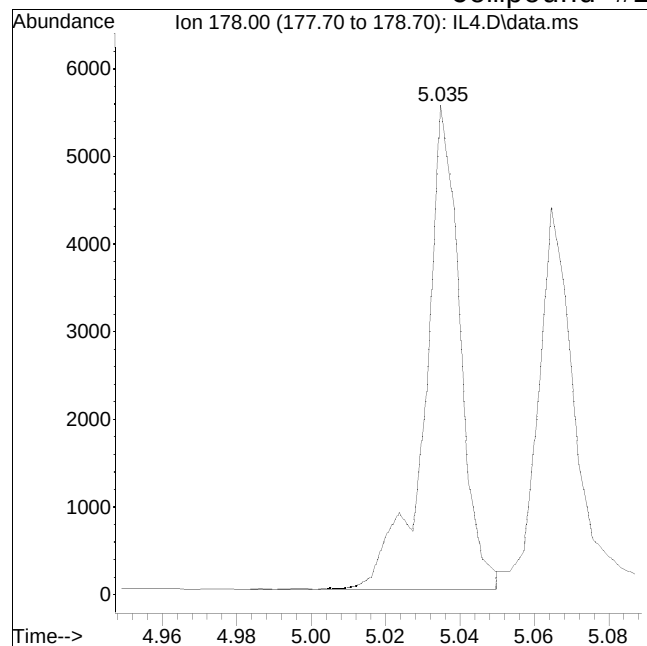
Manual Peak Response = 645 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

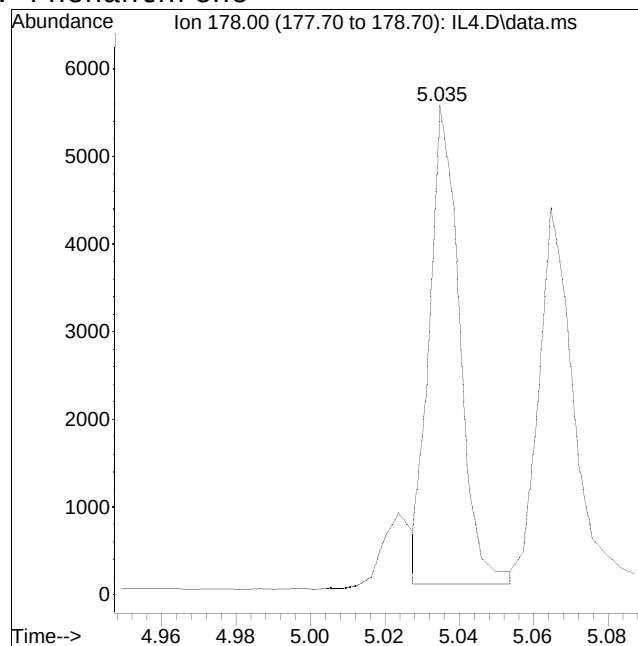
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL4.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:20 am Instrument : SV120
Sample : IL4,32,,10.0ng/mL lot#1170 Quant Date : 9/22/2025 6:15 pm

Compound #27: Phenanthrene



Original Peak Response = 3628

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

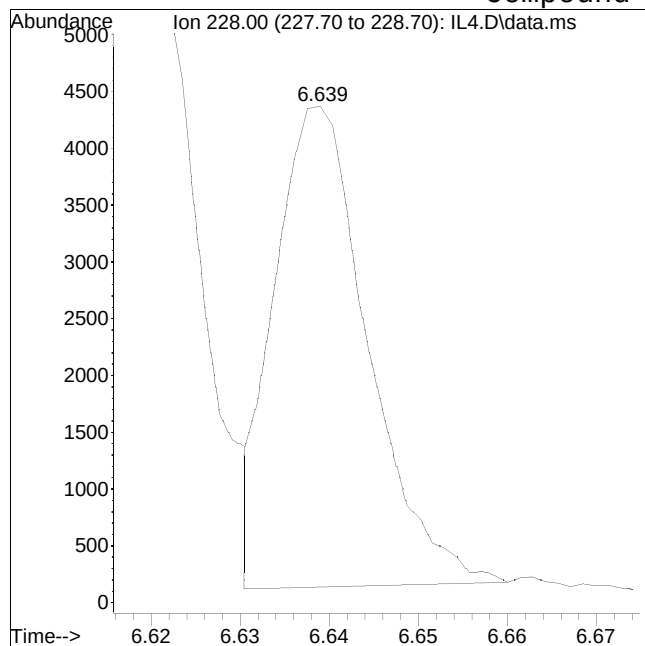


Manual Peak Response = 3059 M1

Manual Integration Report

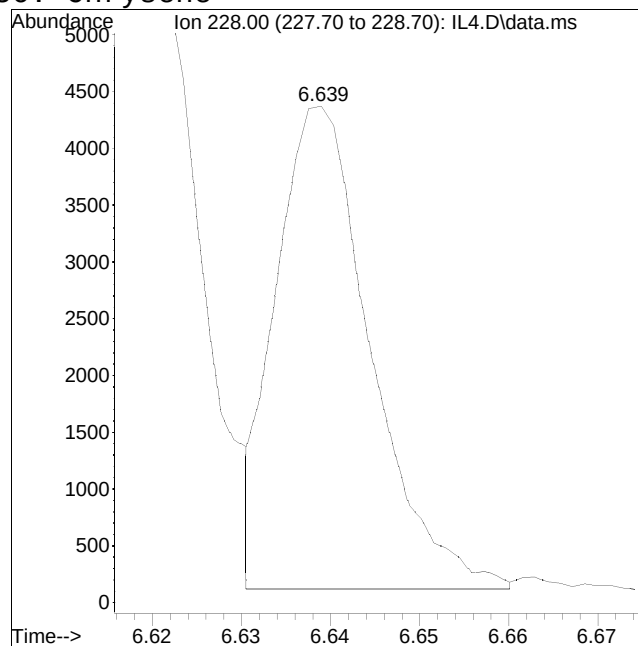
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL4.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:20 am Instrument : SV120
Sample : IL4,32,,10.0ng/mL lot#1170Quant Date : 9/22/2025 6:15 pm

Compound #36: Chrysene



Original Peak Response = 3088

M4 = Poor automated baseline construction.

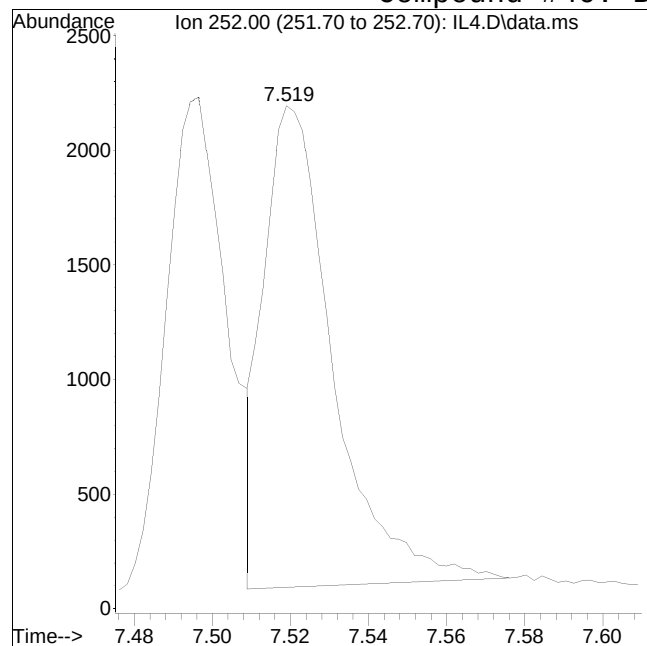


Manual Peak Response = 3149 M4

Manual Integration Report

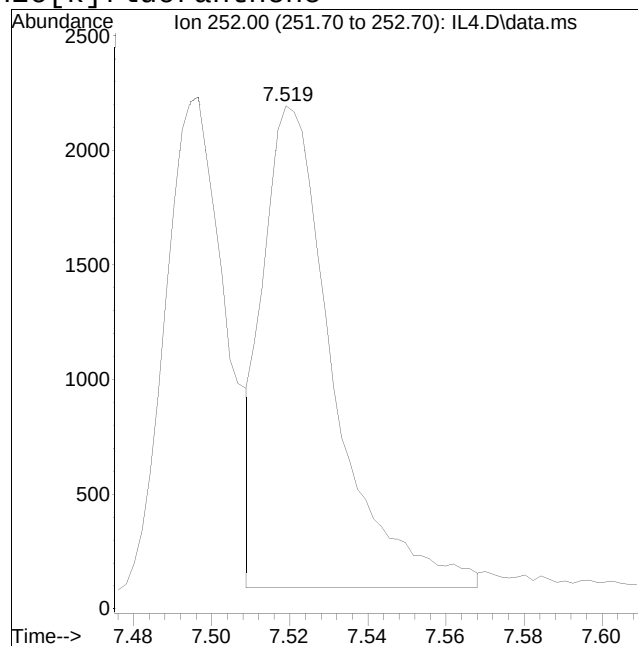
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL4.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:20 am Instrument : SV120
Sample : IL4,32,,10.0ng/mL lot#1170Quant Date : 9/22/2025 6:15 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 2601

M4 = Poor automated baseline construction.

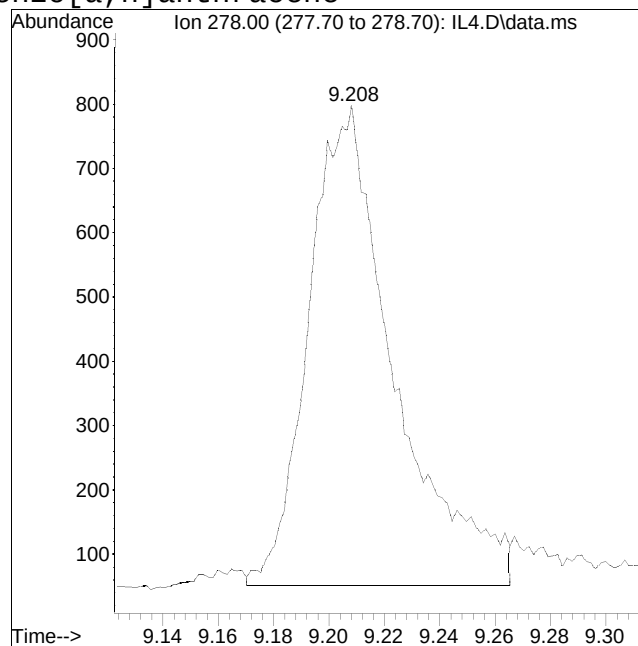
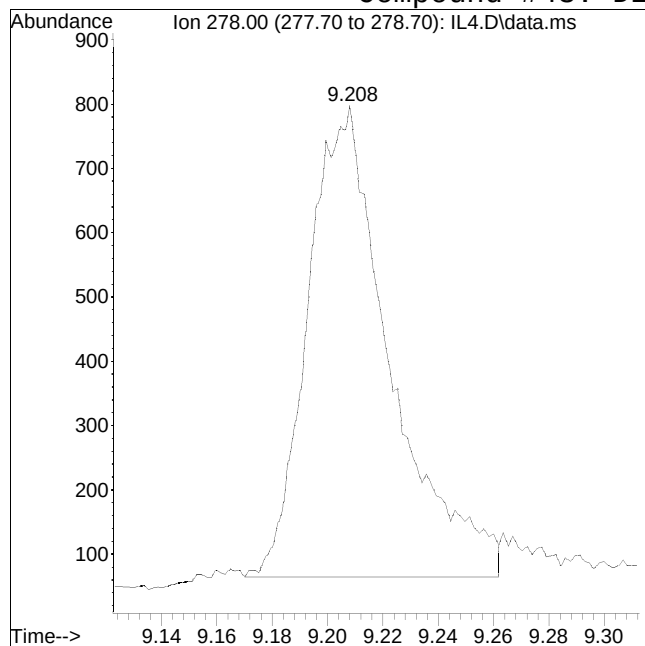


Manual Peak Response = 2648 M4

Manual Integration Report

Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL4.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:20 am Instrument : SV120
Sample : IL4,32,,10.0ng/mL lot#1170 Quant Date : 9/22/2025 6:15 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 1514

Manual Peak Response = 1601 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL3.D
 Acq On : 17 Sep 2025 11:37 am
 Operator : SV120:mrg
 Sample : IL3,32,,5.0ng/mL lot# 11705
 Misc : WG2118161
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 18:20:35 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:15:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.517	152	242757	4000.000	ng/ml	0.00
Standard Area 1 = 237330			Recovery	=	102.29%	
9) Naphthalene-d8	3.191	136	951642	4000.000	ng/ml	0.00
Standard Area 1 = 940451			Recovery	=	101.19%	
18) Acenaphthene-d10	4.178	164	562846	4000.000	ng/ml	0.00
Standard Area 1 = 566332			Recovery	=	99.38%	
23) Phenanthrene-d10	5.024	188	1164888	4000.000	ng/ml	0.00
Standard Area 1 = 1177699			Recovery	=	98.91%	
33) Chrysene-d12	6.619	240	1032163	4000.000	ng/ml	0.00
Standard Area 1 = 1041114			Recovery	=	99.14%	
38) Perylene-d12	7.880	264	961786	4000.000	ng/ml	0.00
Standard Area 1 = 984649			Recovery	=	97.68%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.902	112	242	4.355	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.22%#	
4) Phenol-d6	2.325	99	286	3.991	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.20%#	
8) Nitrobenzene-d5	2.806	82	182	6.784	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.68%#	
14) 2-Fluorobiphenyl	3.796	172	939	5.139	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.51%#	
22) 2,4,6-Tribromophenol	4.629	330	85	4.367	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.22%#	
32) 4-Terphenyl-d14	5.957	244	1141	4.952	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.50%#	
Target Compounds						
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
6) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	3.202	128	1337	5.793	ng/ml#	95
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	3.588	142	676	5.025	ng/ml	95
13) 1-Methylnaphthalene	3.643	142	737M6	5.027	ng/ml	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
17) Acenaphthylene	4.096	152	1285	4.847	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL3.D
 Acq On : 17 Sep 2025 11:37 am
 Operator : SV120:mrg
 Sample : IL3,32,,5.0ng/mL lot# 11705
 Misc : WG2118161
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 18:20:35 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:15:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.196	153	886	5.228	ng/ml	96
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
21)	Fluorene	4.489	166	908	4.861	ng/ml	91
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
25)	Hexachlorobenzene	4.811	284	323M6	4.943	ng/ml	
26)	Pentachlorophenol	0.000		0	N.D.	d	
27)	Phenanthrene	5.035	178	1532M6	5.161	ng/ml	
28)	Anthracene	5.064	178	1525	5.160	ng/ml	97
29)	Fluoranthene	5.729	202	1722	5.214	ng/ml	99
30)	Pyrene	5.861	202	1727	5.038	ng/ml	98
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.618	228	4266	5.743	ng/ml#	82
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36)	Chrysene	6.636	228	1728M4	5.508	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.642	149	950	5.810	ng/ml	100
39)	Benzo[b]fluoranthene	7.490	252	1235	4.933	ng/ml	97
40)	Benzo[k]fluoranthene	7.515	252	1491M4	5.359	ng/ml	
41)	Benzo[a]pyrene	7.817	252	1195	5.065	ng/ml	98
42)	Indeno[1,2,3-cd]pyrene	9.156	276	929	4.740	ng/ml#	86
43)	Dibenzo[a,h]anthracene	9.204	278	798M4	4.221	ng/ml	
44)	Benzo[g,h,i]perylene	9.512	276	1177M1	5.272	ng/ml	

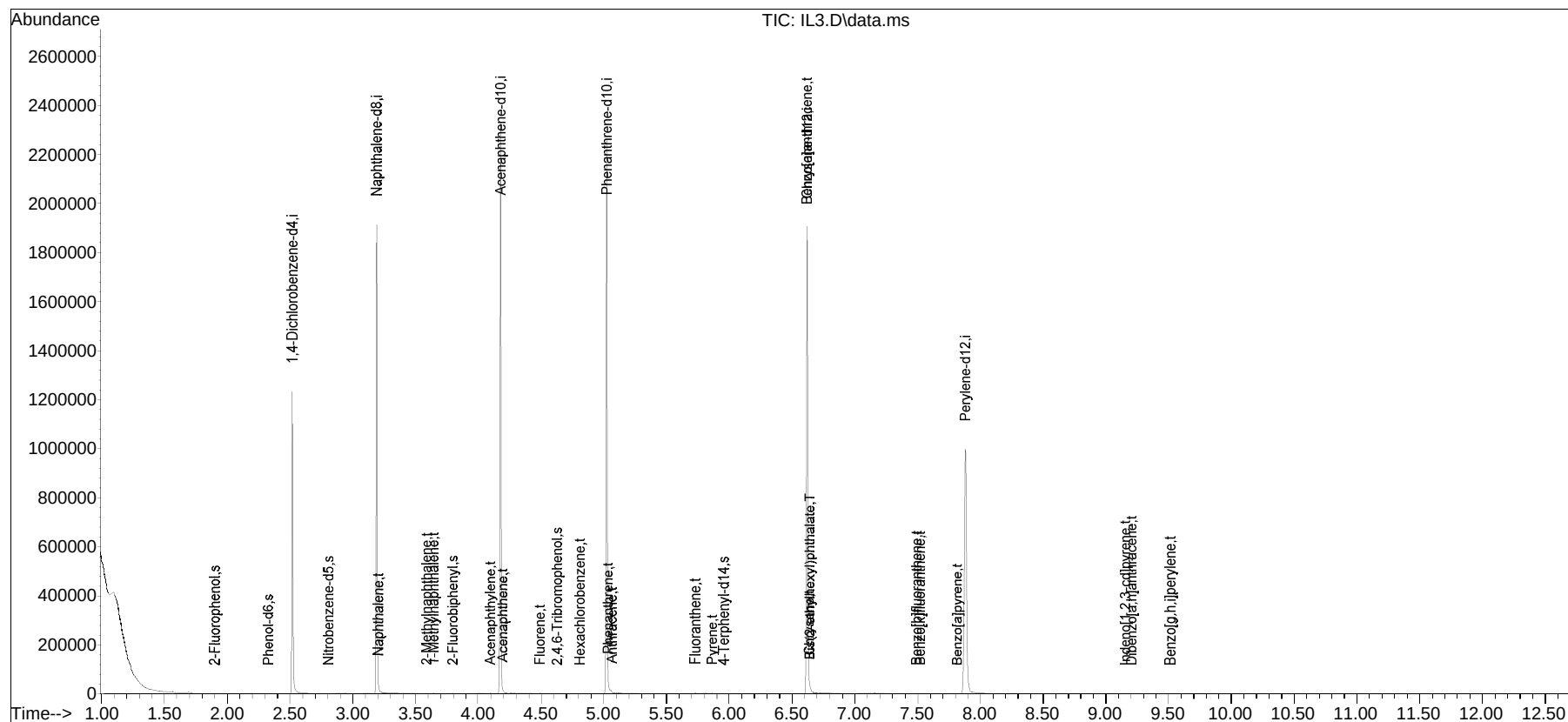
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL3.D
 Acq On : 17 Sep 2025 11:37 am
 Operator : SV120:mrg
 Sample : IL3,32,,5.0ng/mL lot# 11705
 Misc : WG2118161
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 18:20:35 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:15:52 2025
 Response via : Initial Calibration

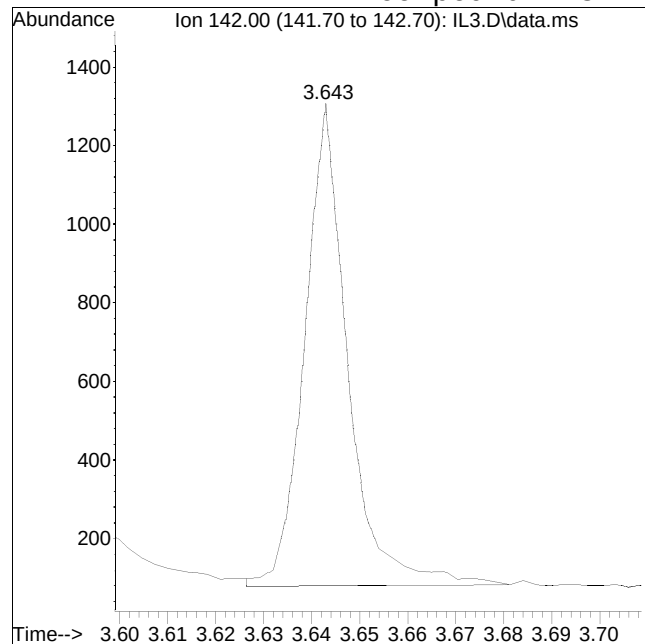
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

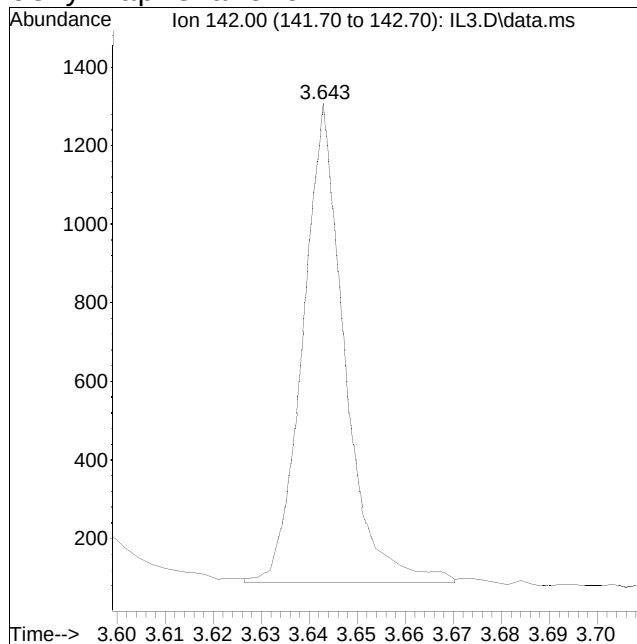
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:37 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1170Quant Date : 9/22/2025 6:15 pm

Compound #13: 1-Methylnaphthalene



Original Peak Response = 767

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

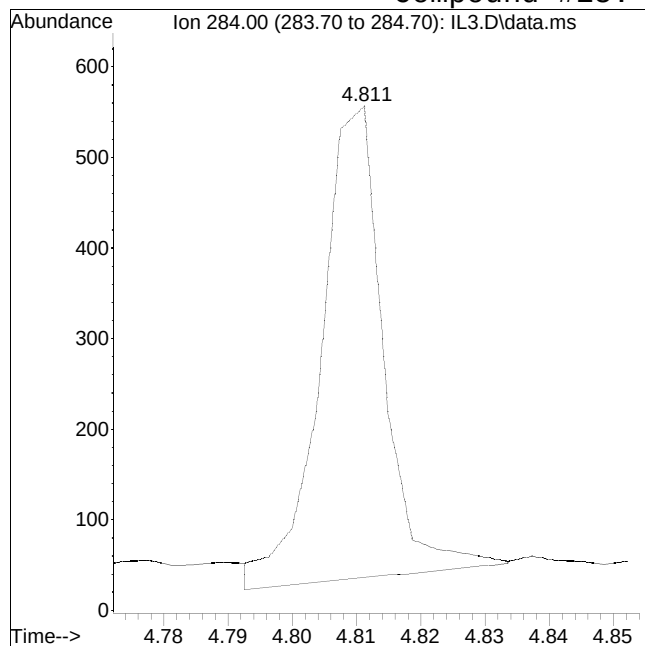


Manual Peak Response = 737 M6

Manual Integration Report

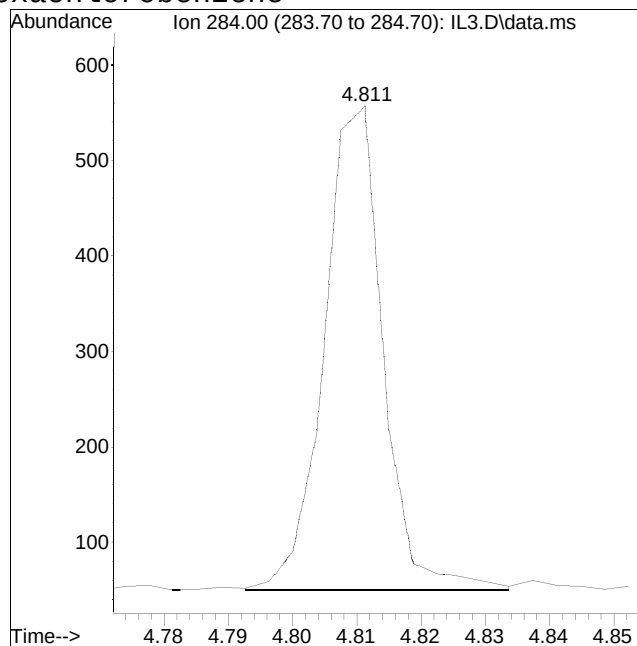
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:37 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1170 Quant Date : 9/22/2025 6:15 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 354

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

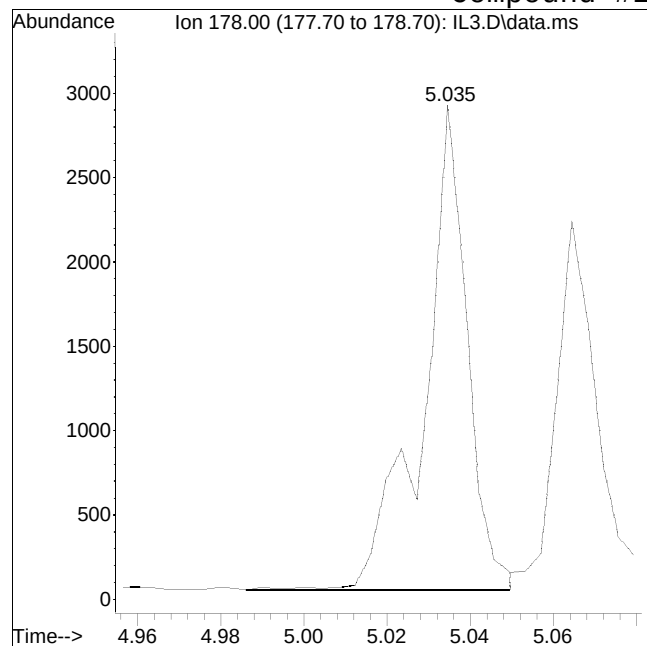


Manual Peak Response = 323 M6

Manual Integration Report

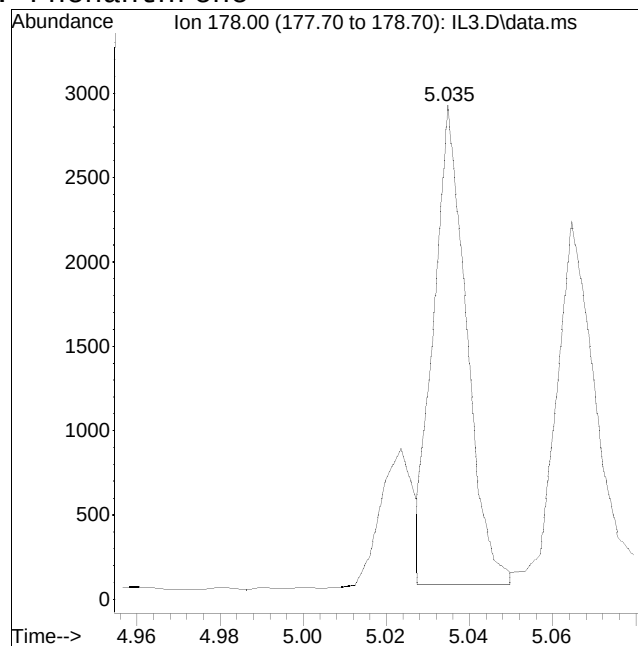
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:37 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1170Quant Date : 9/22/2025 6:15 pm

Compound #27: Phenanthrene



Original Peak Response = 2094

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

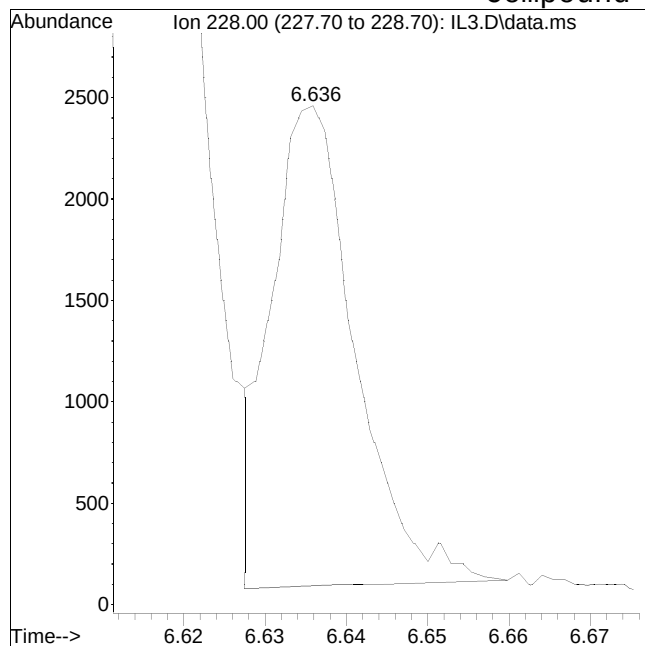


Manual Peak Response = 1532 M6

Manual Integration Report

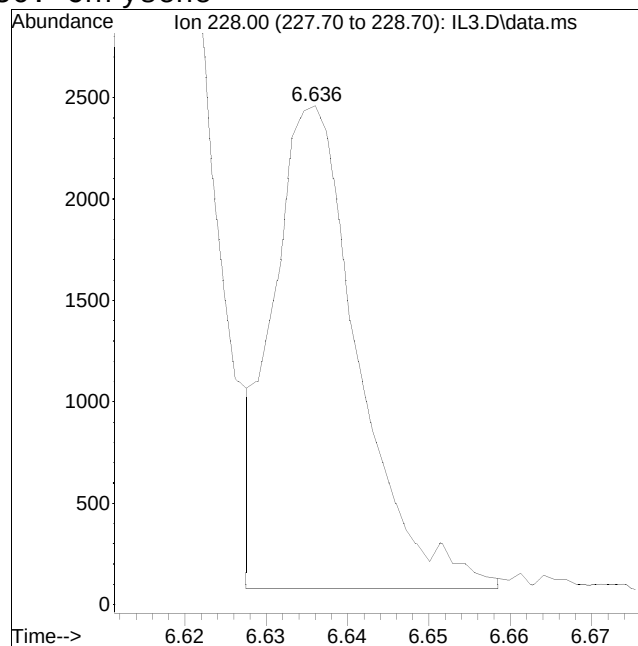
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:37 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1170Quant Date : 9/22/2025 6:15 pm

Compound #36: Chrysene



Original Peak Response = 1694

M4 = Poor automated baseline construction.

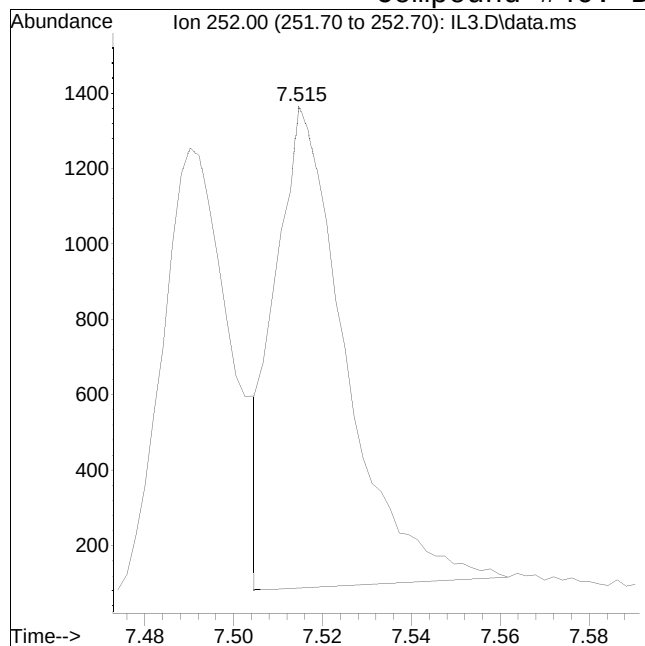


Manual Peak Response = 1728 M4

Manual Integration Report

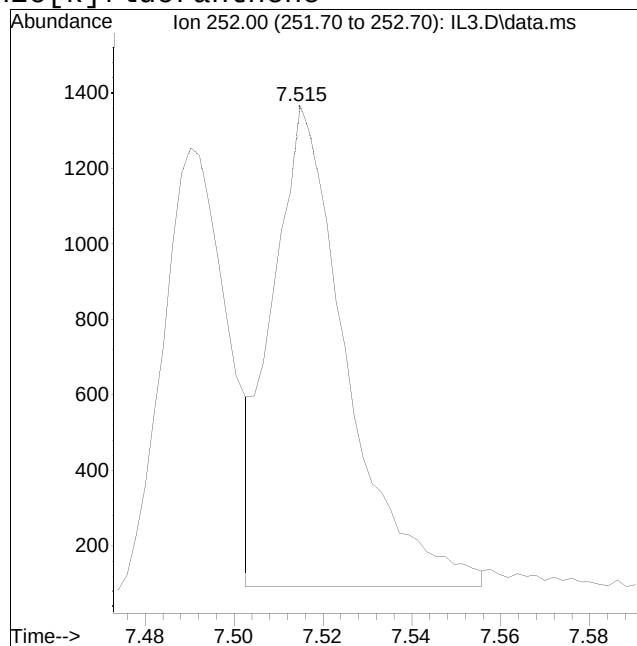
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:37 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1170 Quant Date : 9/22/2025 6:15 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 1420

M4 = Poor automated baseline construction.

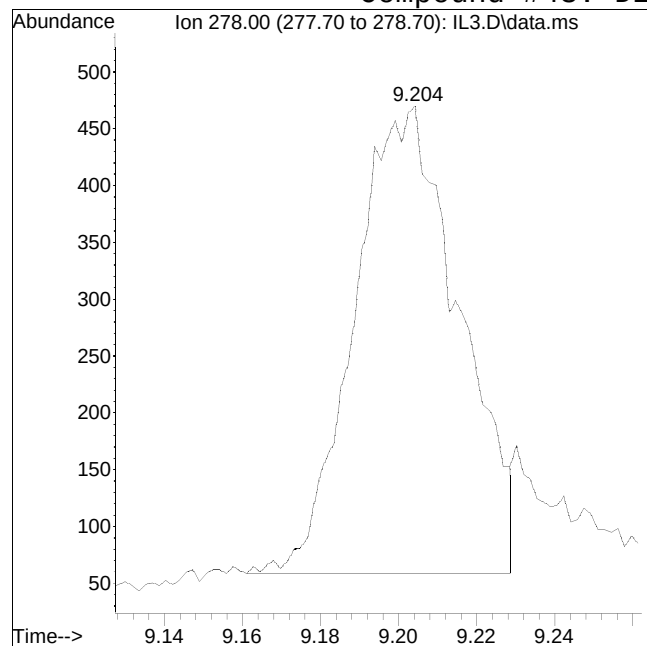


Manual Peak Response = 1491 M4

Manual Integration Report

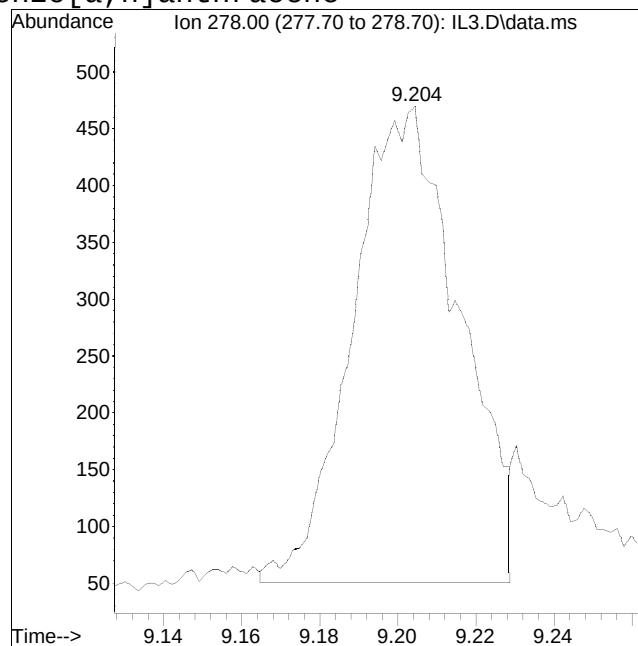
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:37 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1170 Quant Date : 9/22/2025 6:15 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 772

M4 = Poor automated baseline construction.

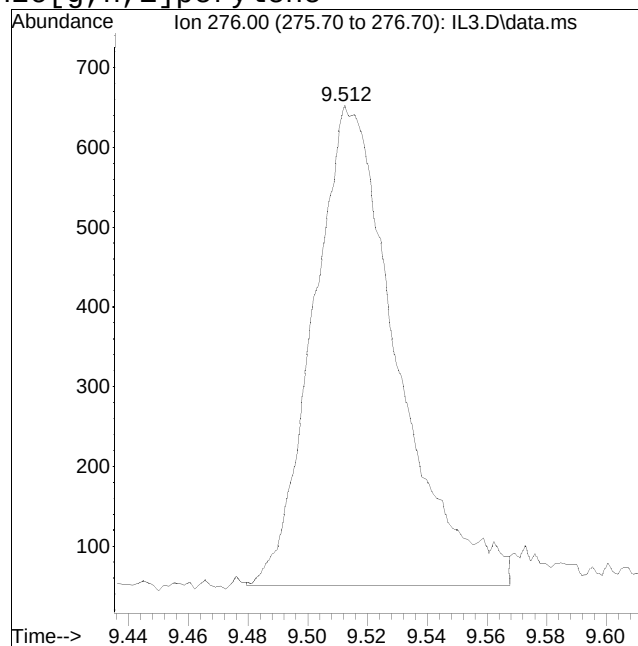
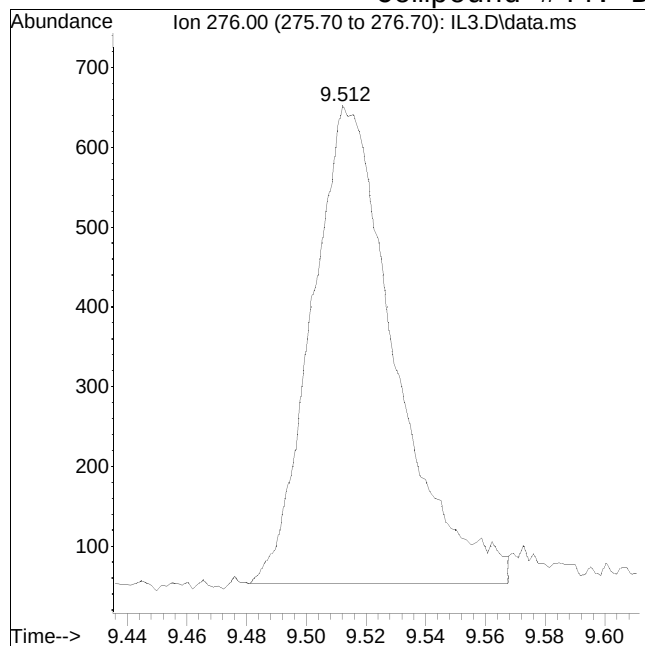


Manual Peak Response = 798 M4

Manual Integration Report

Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:37 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1170 Quant Date : 9/22/2025 6:15 pm

Compound #44: Benzo[g,h,i]perylene



Original Peak Response = 1166

Manual Peak Response = 1177 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL2.D
 Acq On : 17 Sep 2025 11:53 am
 Operator : SV120:mrg
 Sample : IL2,32,,2.0ng/mL lot# 11706
 Misc : WG2118161
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 22 18:19:26 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:15:47 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.518	152	258612	4000.000	ng/ml	0.00
Standard Area 1 = 237330			Recovery = 108.97%			
9) Naphthalene-d8	3.190	136	999897	4000.000	ng/ml	0.00
Standard Area 1 = 940451			Recovery = 106.32%			
18) Acenaphthene-d10	4.179	164	585523	4000.000	ng/ml	0.00
Standard Area 1 = 566332			Recovery = 103.39%			
23) Phenanthrene-d10	5.024	188	1173972	4000.000	ng/ml	0.00
Standard Area 1 = 1177699			Recovery = 99.68%			
33) Chrysene-d12	6.617	240	1050159	4000.000	ng/ml	0.00
Standard Area 1 = 1041114			Recovery = 100.87%			
38) Perylene-d12	7.878	264	981476	4000.000	ng/ml	0.00
Standard Area 1 = 984649			Recovery = 99.68%			
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
4) Phenol-d6	0.000	99	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
8) Nitrobenzene-d5	0.000	82	0d	0.000	ng/ml	
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.00%#			
14) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng/ml	
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.00%#			
22) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
32) 4-Terphenyl-d14	0.000	244	0d	0.000	ng/ml	
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.00%#			
Target Compounds						
2) N-Nitrosodimethylamine	0.000		0	N.D.		
5) Bis(2-chloroethyl)ether	0.000		0	N.D. d		
6) n-nitrosodi-n-propylamine	0.000		0	N.D. d		
7) Hexachloroethane	0.000		0	N.D. d		
10) Naphthalene	3.201	128	687	2.833	ng/ml	96
11) Hexachlorobutadiene	0.000		0	N.D. d		
12) 2-Methylnaphthalene	3.588	142	363	2.568	ng/ml	95
13) 1-Methylnaphthalene	3.643	142	386	2.506	ng/ml	98
15) 2-Chloronaphthalene	0.000		0	N.D. d		
16) 2,6-Dinitrotoluene	0.000		0	N.D. d		
17) Acenaphthylene	4.096	152	655	2.352	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL2.D
 Acq On : 17 Sep 2025 11:53 am
 Operator : SV120:mrg
 Sample : IL2,32,,2.0ng/mL lot# 11706
 Misc : WG2118161
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 22 18:19:26 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:15:47 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.196	153	455	2.581	ng/ml	94
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
21)	Fluorene	4.490	166	498	2.563	ng/ml	88
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
25)	Hexachlorobenzene	4.808	284	164M4	2.490	ng/ml	
26)	Pentachlorophenol	0.000		0	N.D.	d	
27)	Phenanthrene	0.000		0	N.D.	d	
28)	Anthracene	0.000		0	N.D.	d	
29)	Fluoranthene	5.726	202	866	2.602	ng/ml	98
30)	Pyrene	5.858	202	901	2.608	ng/ml	97
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.616	228	3498	3.091	ng/ml#	77
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36)	Chrysene	6.633	228	839	2.629	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
39)	Benzo[b]fluoranthene	7.488	252	602	2.357	ng/ml	100
40)	Benzo[k]fluoranthene	7.512	252	668M4	2.353	ng/ml	
41)	Benzo[a]pyrene	7.813	252	552	2.293	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.159	276	428M4	2.140	ng/ml	
43)	Dibenzo[a,h]anthracene	9.199	278	358M1	1.856	ng/ml	
44)	Benzo[g,h,i]perylene	9.510	276	492M1	2.159	ng/ml	

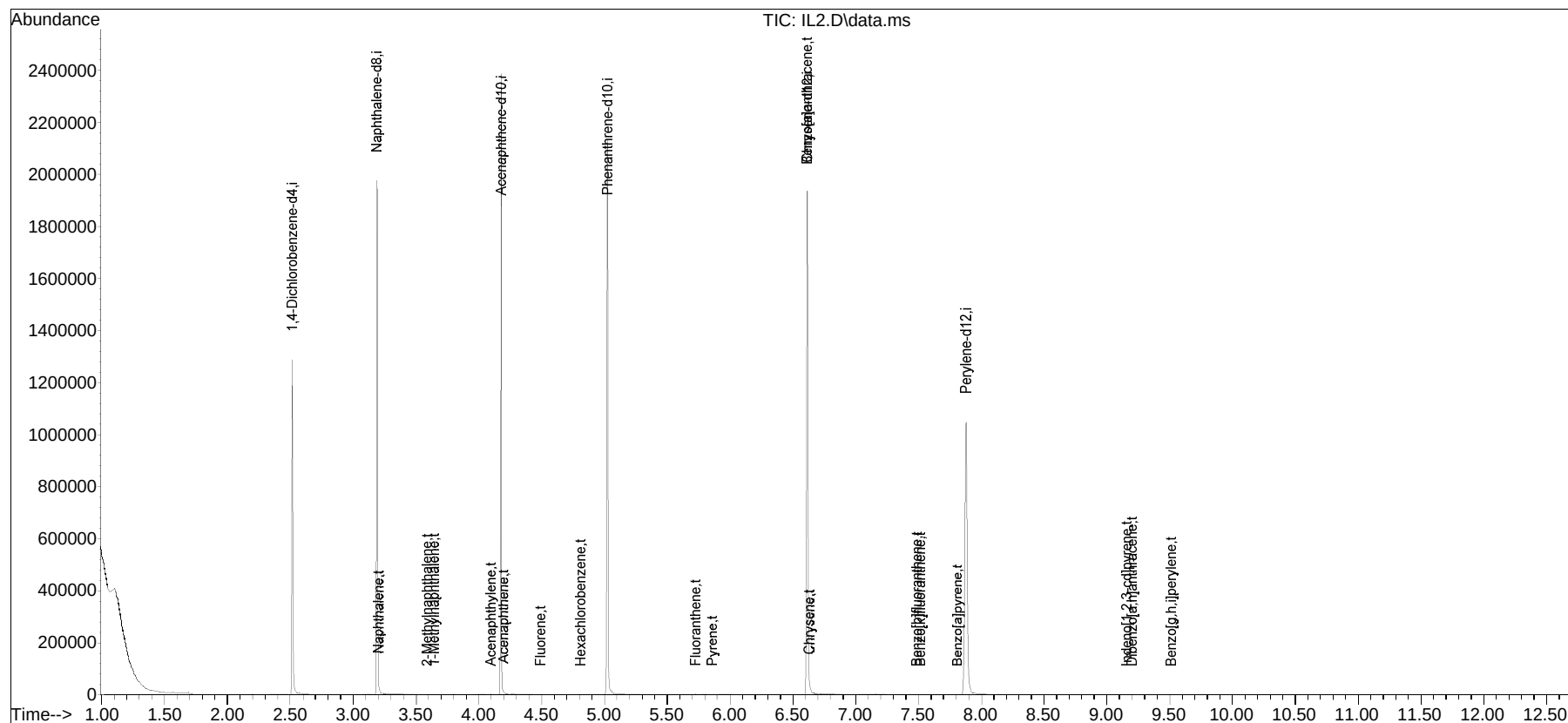
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL2.D
 Acq On : 17 Sep 2025 11:53 am
 Operator : SV120:mrg
 Sample : IL2,32,,2.0ng/mL lot# 11706
 Misc : WG2118161
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 22 18:19:26 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:15:47 2025
 Response via : Initial Calibration

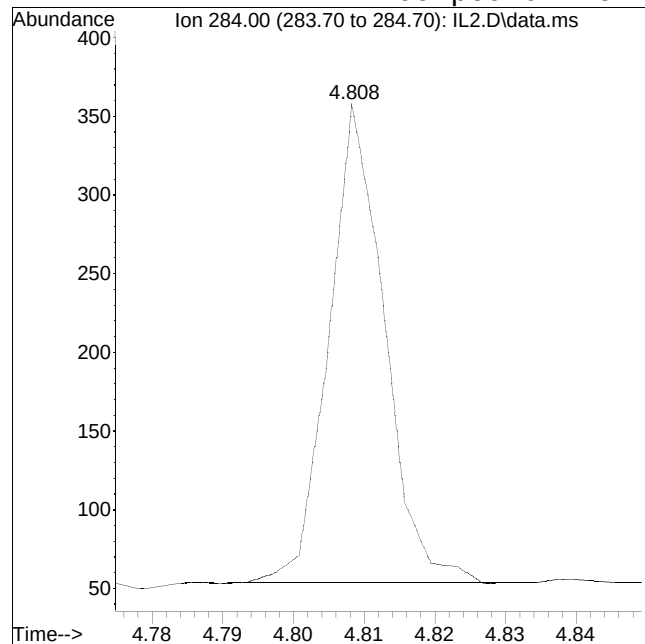
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

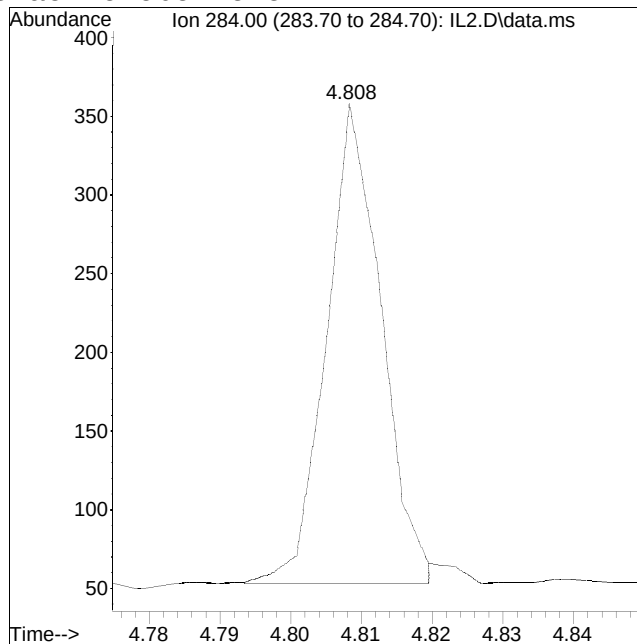
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:53 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1170Quant Date : 9/22/2025 6:15 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 165

M4 = Poor automated baseline construction.

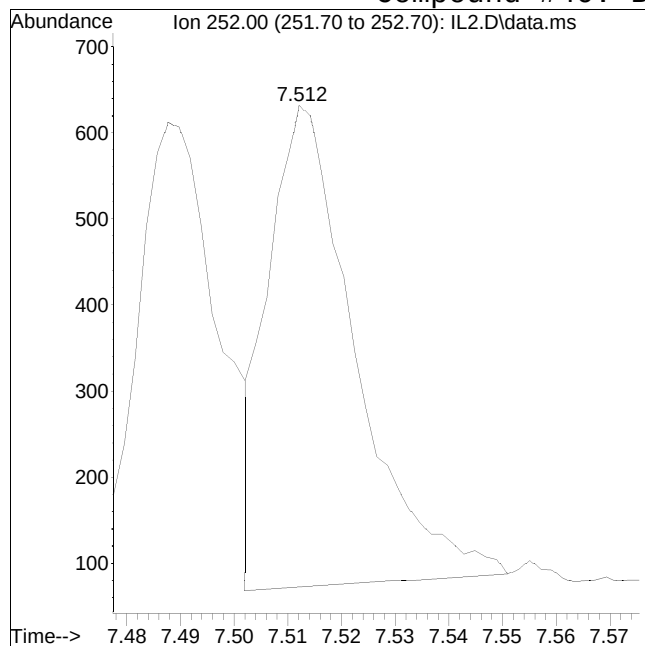


Manual Peak Response = 164 M4

Manual Integration Report

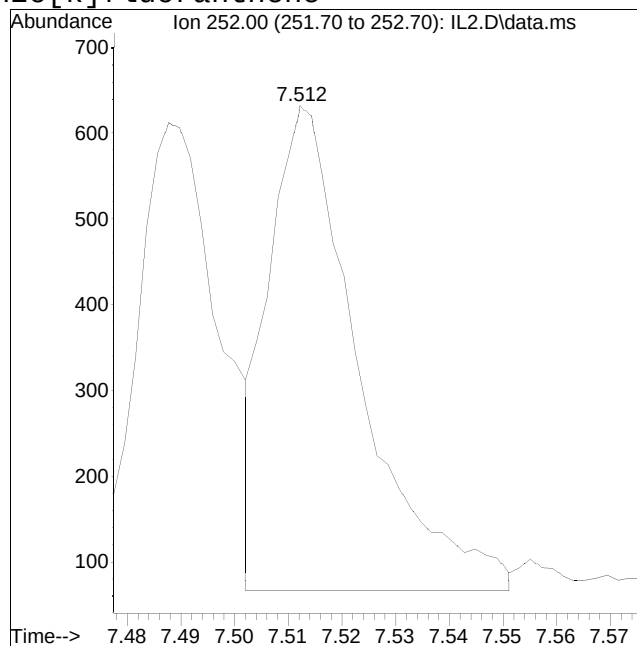
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:53 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1170 Quant Date : 9/22/2025 6:15 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 635

M4 = Poor automated baseline construction.

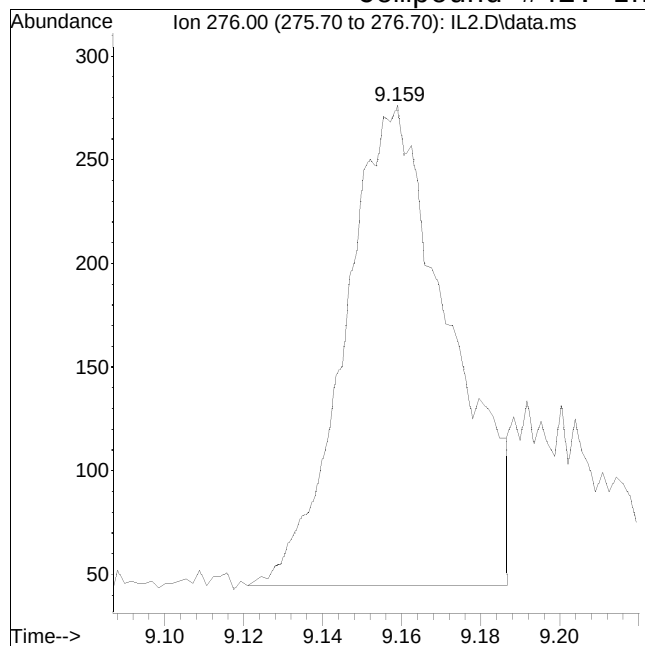


Manual Peak Response = 668 M4

Manual Integration Report

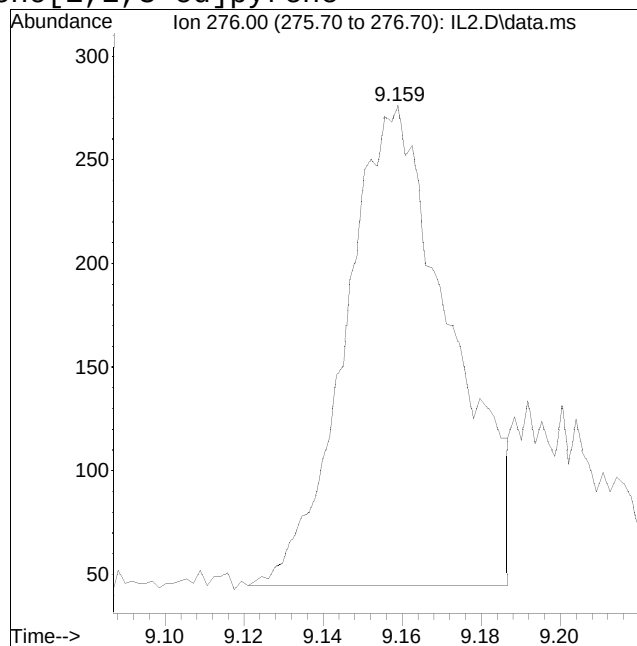
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:53 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1170Quant Date : 9/22/2025 6:15 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 428

M4 = Poor automated baseline construction.

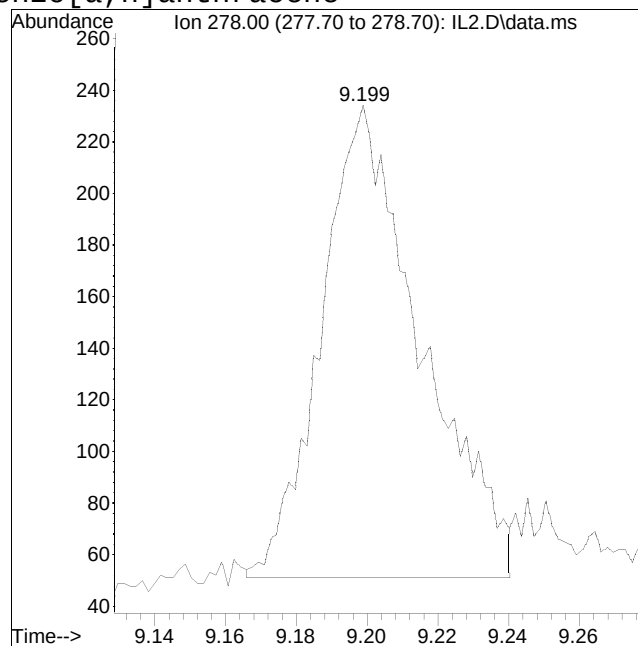
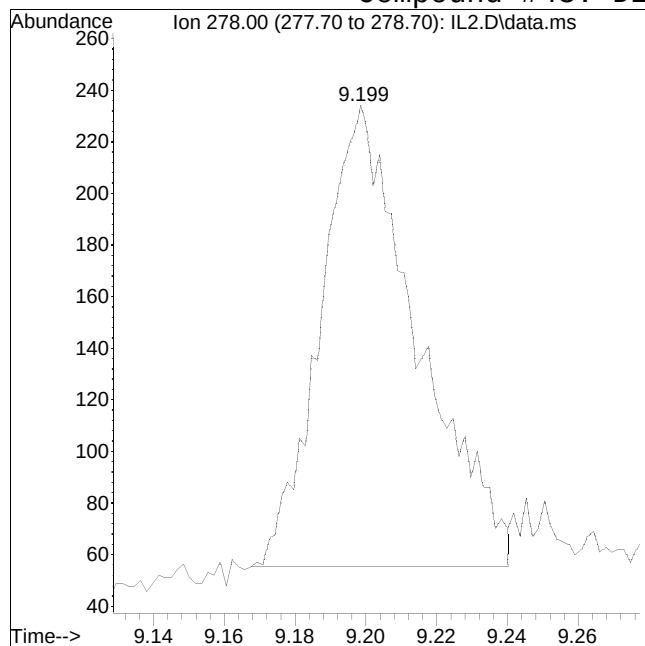


Manual Peak Response = 428 M4

Manual Integration Report

Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:53 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1170 Quant Date : 9/22/2025 6:15 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 340

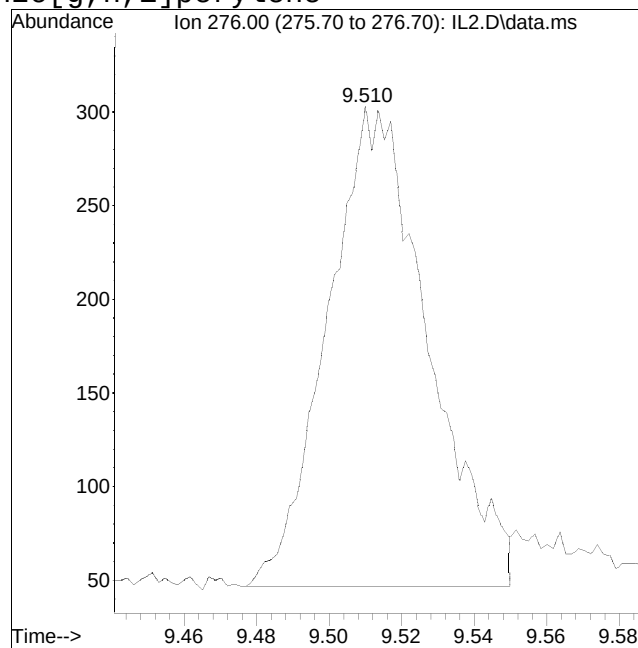
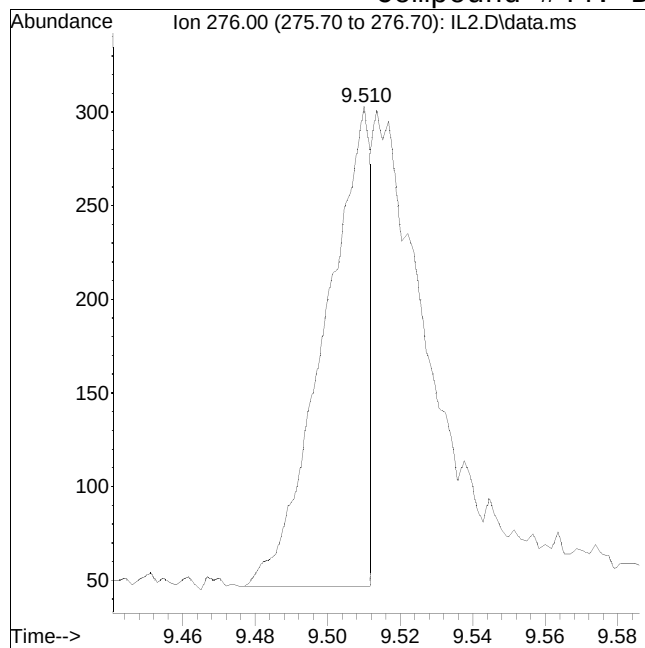
Manual Peak Response = 358 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 11:53 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1170 Quant Date : 9/22/2025 6:15 pm

Compound #44: Benzo[g,h,i]perylene



Original Peak Response = 226

Manual Peak Response = 492 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL1.D
 Acq On : 17 Sep 2025 12:10 pm
 Operator : SV120:mrg
 Sample : IL1,32,,1.0ng/mL lot# 11707
 Misc : WG2118161
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 18:05:31 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:04:26 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.517	152	246747	4000.000	ng/ml	0.00
Standard Area 1 = 237330			Recovery = 103.97%			
9) Naphthalene-d8	3.191	136	960682	4000.000	ng/ml	0.00
Standard Area 1 = 940451			Recovery = 102.15%			
18) Acenaphthene-d10	4.178	164	563165	4000.000	ng/ml	0.00
Standard Area 1 = 566332			Recovery = 99.44%			
23) Phenanthrene-d10	5.023	188	1175369	4000.000	ng/ml	0.00
Standard Area 1 = 1177699			Recovery = 99.80%			
33) Chrysene-d12	6.620	240	1047012	4000.000	ng/ml	0.00
Standard Area 1 = 1041114			Recovery = 100.57%			
38) Perylene-d12	7.882	264	974323	4000.000	ng/ml	0.00
Standard Area 1 = 984649			Recovery = 98.95%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.903	112	153	2.709	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.14%#			
4) Phenol-d6	2.325	99	239	3.281	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.16%#			
8) Nitrobenzene-d5	2.806	82	133	2.444	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.24%#			
14) 2-Fluorobiphenyl	3.796	172	607	3.290	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.33%#			
22) 2,4,6-Tribromophenol	4.626	330	72	3.697	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.18%#			
32) 4-Terphenyl-d14	5.956	244	882	3.794	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.38%#			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	0.000		0		N.D.	
5) Bis(2-chloroethyl)ether	0.000		0		N.D.	d
6) n-nitrosodi-n-propylamine	0.000		0		N.D.	d
7) Hexachloroethane	0.000		0		N.D.	d
10) Naphthalene	0.000		0		N.D.	d
11) Hexachlorobutadiene	0.000		0		N.D.	d
12) 2-Methylnaphthalene	0.000		0		N.D.	d
13) 1-Methylnaphthalene	0.000		0		N.D.	d
15) 2-Chloronaphthalene	0.000		0		N.D.	d
16) 2,6-Dinitrotoluene	0.000		0		N.D.	d
17) Acenaphthylene	0.000		0		N.D.	d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL1.D
 Acq On : 17 Sep 2025 12:10 pm
 Operator : SV120:mrg
 Sample : IL1,32,,1.0ng/mL lot# 11707
 Misc : WG2118161
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 18:05:31 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:04:26 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	0.000		0	N.D.	d	
20) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
24) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
25) Hexachlorobenzene	4.807	284	230	3.488	ng/ml#	78
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
31) Benzidine	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
35) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
37) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

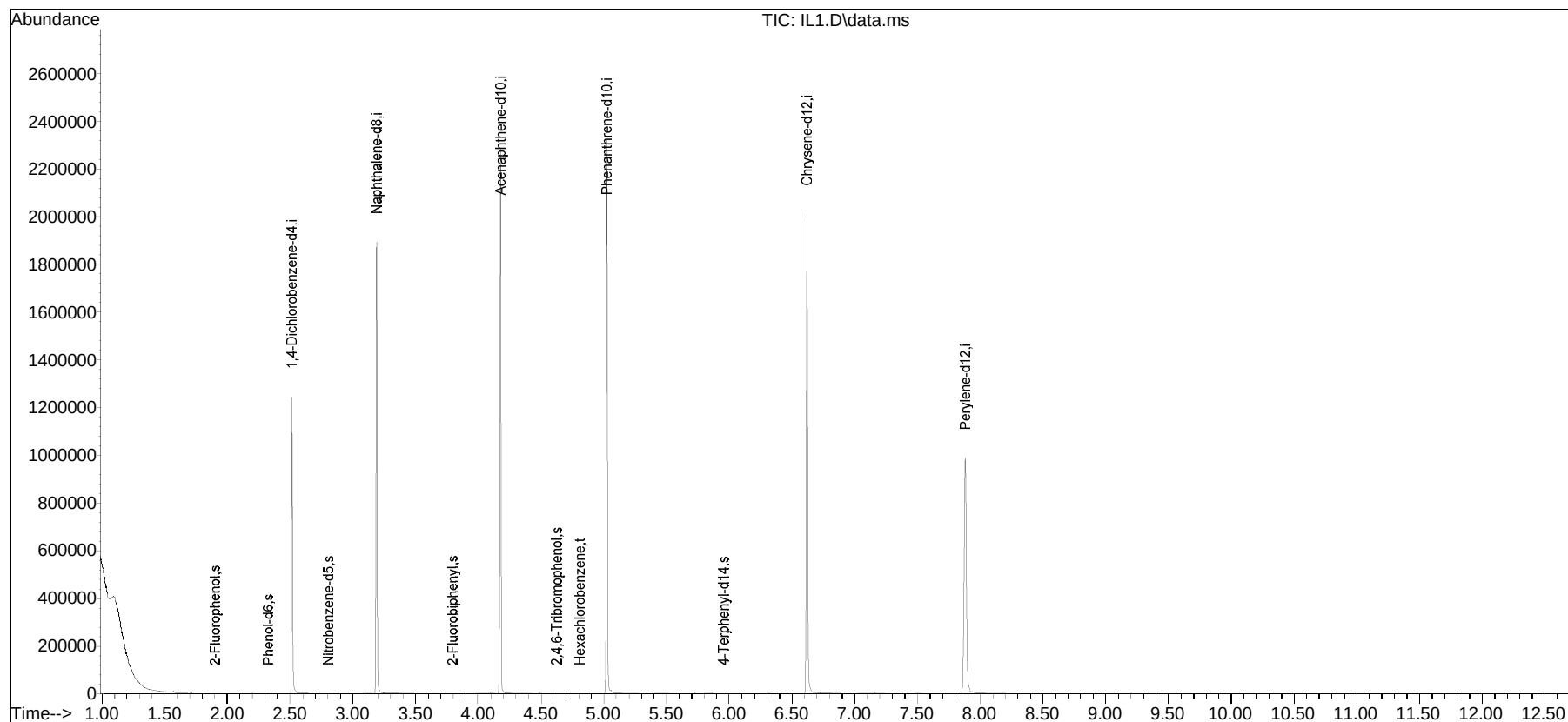
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : IL1.D
 Acq On : 17 Sep 2025 12:10 pm
 Operator : SV120:mrg
 Sample : IL1,32,,1.0ng/mL lot# 11707
 Misc : WG2118161
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 18:05:31 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:04:26 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : IL1.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 12:10 pm Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1170Quant Date : 9/22/2025 6:04 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : ICV.D
 Acq On : 17 Sep 2025 12:27 pm
 Operator : SV120:mrq
 Sample : CQICV, 32,,1000.0ng/mL lot #11696
 Misc : WG2118161
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 22 20:59:31 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 20:54:05 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
2 T	N-Nitrosodimethylamine	0.589	0.614	-4.2	96	0.00
3 s	2-Fluorophenol	0.916	1.092	-19.2	105	0.00
4 s	Phenol-d6	1.181	1.369	-15.9	104	0.00
5 T	Bis(2-chloroethyl)ether	*1000.000	963.152	3.7	95	0.00
6 T	n-nitrosodi-n-propylamine	0.784	0.789	-0.6	94	0.00
7 t	Hexachloroethane	0.503	0.485	3.6	95	0.00
8 s	Nitrobenzene-d5	*1000.000	909.871	9.0	91	0.00
9 i	Naphthalene-d8	1.000	1.000	0.0	96	0.00
10 t	Naphthalene	0.970	0.929	4.2	95	0.00
11 t	Hexachlorobutadiene	0.180	0.177	1.7	95	0.00
12 t	2-Methylnaphthalene	0.565	0.589	-4.2	97	0.00
13 t	1-Methylnaphthalene	0.616	0.604	1.9	95	0.00
14 s	2-Fluorobiphenyl	0.768	0.790	-2.9	96	0.00
15 t	2-Chloronaphthalene	0.635	0.645	-1.6	94	0.00
16 t	2,6-Dinitrotoluene	*1000.000	790.484	21.0#	84	0.00
17 t	Acenaphthylene	1.114	1.109	0.4	94	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	96	0.00
19 t	Acenaphthene	1.204	1.156	4.0	93	0.00
20 t	2,4-Dinitrotoluene	*1000.000	792.637	20.7#	83	0.00
21 t	Fluorene	1.327	1.338	-0.8	93	0.00
22 s	2,4,6-Tribromophenol	0.138	0.154	-11.6	98	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	95	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	872.556	12.7	86	0.00
25 t	Hexachlorobenzene	0.224	0.214	4.5	97	0.00
26 t	Pentachlorophenol	*1000.000	1194.308	-19.4	116	0.00
27 t	Phenanthrene	1.017	0.992	2.5	94	0.00
28 t	Anthracene	1.015	1.013	0.2	95	0.00
29 t	Fluoranthene	1.134	1.112	1.9	94	0.00
30 t	Pyrene	1.177	1.180	-0.3	94	0.00
31 s	4-Terphenyl-d14	0.791	0.804	-1.6	97	0.00
32 i	Chrysene-d12	1.000	1.000	0.0	96	0.00
33 t	Benzo[a]anthracene	*1000.000	939.242	6.1	92	0.00
34 t	3,3'-Dichlorobenzidine	*1000.000	869.632	13.0	91	0.00
35 t	Chrysene	1.216	1.168	3.9	94	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : ICV.D
 Acq On : 17 Sep 2025 12:27 pm
 Operator : SV120:mrg
 Sample : CQICV,32,,1000.0ng/mL lot #11696
 Misc : WG2118161
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 22 20:59:31 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 20:54:05 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 T	Bis(2-ethylhexyl)phthalate	0.634	0.569	10.3	85	0.00
37 i	Perylene-d12	1.000	1.000	0.0	96	0.00
38 t	Benzo[b]fluoranthene	1.041	1.012	2.8	88	0.00
39 t	Benzo[k]fluoranthene	1.157	1.153	0.3	93	0.00
40 t	Benzo[a]pyrene	0.981	0.973	0.8	91	0.00
41 t	Indeno[1,2,3-cd]pyrene	0.815	0.754	7.5	84	0.00
42 t	Dibenzo[a,h]anthracene	0.793	0.831	-4.8	88	0.00
43 t	Benzo[g,h,i]perylene	0.929	0.914	1.6	90	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : ICV.D
 Acq On : 17 Sep 2025 12:27 pm
 Operator : SV120:mrg
 Sample : CQICV, 32,,1000.0ng/mL lot #11696
 Misc : WG2118161
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 22 20:59:31 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 20:54:05 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.517	152	229641	4000.000	ng/ml	0.00
Standard Area 1 = 237330			Recovery	=	96.76%	
9) Naphthalene-d8	3.191	136	900631	4000.000	ng/ml	0.00
Standard Area 1 = 940451			Recovery	=	95.77%	
18) Acenaphthene-d10	4.178	164	542950	4000.000	ng/ml	0.00
Standard Area 1 = 566332			Recovery	=	95.87%	
23) Phenanthrene-d10	5.024	188	1123886	4000.000	ng/ml	0.00
Standard Area 1 = 1177699			Recovery	=	95.43%	
32) Chrysene-d12	6.622	240	997557	4000.000	ng/ml	0.00
Standard Area 1 = 1041114			Recovery	=	95.82%	
37) Perylene-d12	7.883	264	947196	4000.000	ng/ml	0.00
Standard Area 1 = 984649			Recovery	=	96.20%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.899	112	62699	1192.735	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	59.64%	
4) Phenol-d6	2.322	99	78579	1159.209	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	57.96%	
8) Nitrobenzene-d5	2.802	82	56651	909.871	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	90.99%	
14) 2-Fluorobiphenyl	3.794	172	177814	1028.183	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	102.82%	
22) 2,4,6-Tribromophenol	4.626	330	20917	1114.106	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	55.71%	
31) 4-Terphenyl-d14	5.957	244	225997	1016.575	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	101.66%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.373	74	35256M6	1041.974	ng/mL	
5) Bis(2-chloroethyl)ether	2.377	93	58341	963.152	ng/ml	100
6) n-nitrosodi-n-propylamine	2.722	70	45315	1006.385	ng/ml	100
7) Hexachloroethane	2.782	117	27841	963.264	ng/ml	99
10) Naphthalene	3.203	128	209082	957.287	ng/ml	100
11) Hexachlorobutadiene	3.276	225	39842	981.038	ng/ml	100
12) 2-Methylnaphthalene	3.585	142	132645	1041.801	ng/ml	100
13) 1-Methylnaphthalene	3.643	142	136011	980.358	ng/ml	100
15) 2-Chloronaphthalene	3.860	162	145256	1015.229	ng/ml	100
16) 2,6-Dinitrotoluene	4.055	165	24788	790.484	ng/ml	100
17) Acenaphthylene	4.096	152	249729	995.375	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : ICV.D
 Acq On : 17 Sep 2025 12:27 pm
 Operator : SV120:mrg
 Sample : CQICV, 32,,1000.0ng/mL lot #11696
 Misc : WG2118161
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 22 20:59:31 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 20:54:05 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250917RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.196	153	156944	960.021	ng/ml	100
20)	2,4-Dinitrotoluene	4.284	165	33541	792.637	ng/ml	99
21)	Fluorene	4.490	166	181631	1007.994	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.516	198	15251	872.556	ng/ml	99
25)	Hexachlorobenzene	4.808	284	60251	957.642	ng/ml	98
26)	Pentachlorophenol	4.919	266	23304	1194.308	ng/ml	99
27)	Phenanthrene	5.035	178	278612	975.475	ng/ml	100
28)	Anthracene	5.065	178	284657	998.331	ng/ml	100
29)	Fluoranthene	5.726	202	312518	980.772	ng/ml	100
30)	Pyrene	5.861	202	331515	1002.301	ng/ml	100
33)	Benzo[a]anthracene	6.614	228	285766	939.242	ng/ml	99
34)	3,3'-Dichlorobenzidine	6.600	252	103510	869.632	ng/ml	100
35)	Chrysene	6.639	228	291308	960.796	ng/ml	100
36)	Bis(2-ethylhexyl)phtha...	6.646	149	141949	898.240	ng/ml	100
38)	Benzo[b]fluoranthene	7.495	252	239553	971.663	ng/ml	100
39)	Benzo[k]fluoranthene	7.519	252	273006	996.342	ng/ml	99
40)	Benzo[a]pyrene	7.817	252	230477	991.960	ng/ml	100
41)	Indeno[1,2,3-cd]pyrene	9.167	276	178515	924.827	ng/ml	98
42)	Dibenzo[a,h]anthracene	9.205	278	196770M6	1047.948	ng/ml	
43)	Benzo[g,h,i]perylene	9.523	276	216431	983.920	ng/ml	100

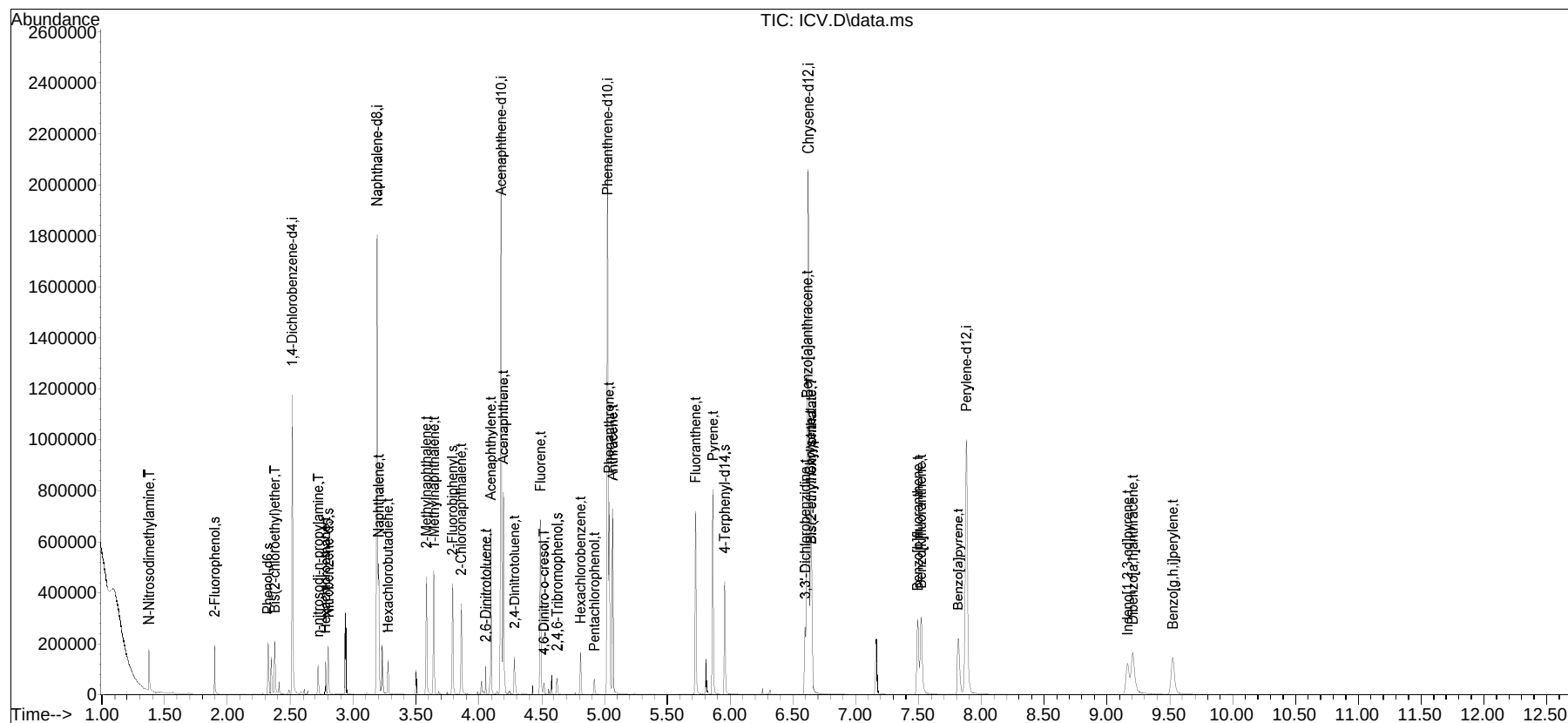
(#) = qualifier out of range (m) = manual integration (+) = signals summed

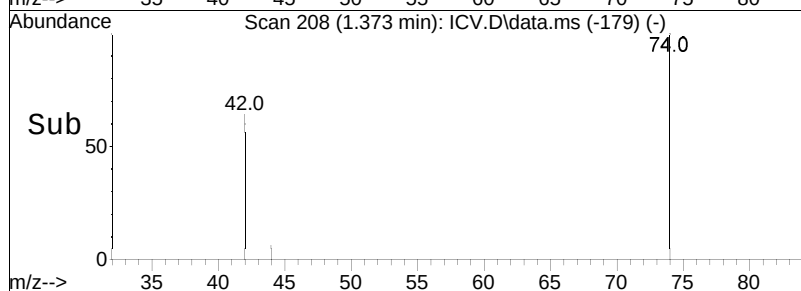
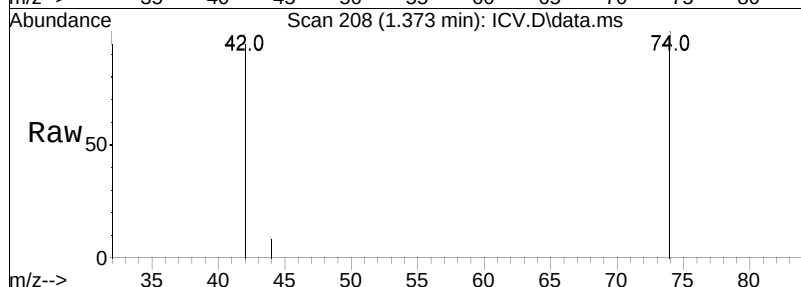
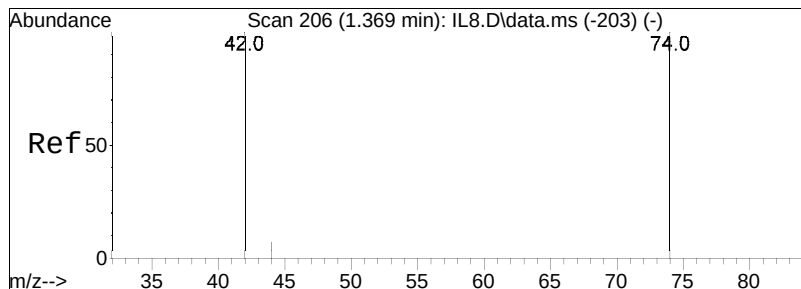
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250917RVTical\
 Data File : ICV.D
 Acq On : 17 Sep 2025 12:27 pm
 Operator : SV120:mrg
 Sample : CQICV,32,,1000.0ng/mL lot #11696
 Misc : WG2118161
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 22 20:59:31 2025
 Quant Method : I:\8270SIM\sv120\250917RVTical\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 20:54:05 2025
 Response via : Initial Calibration

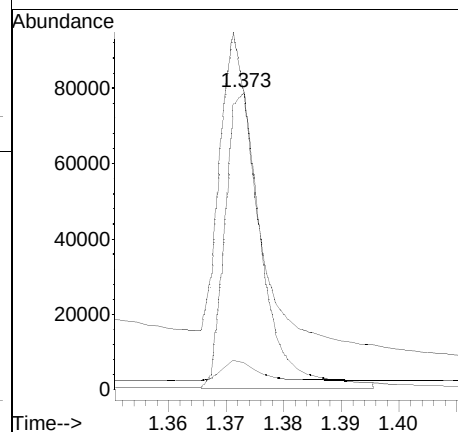
Sub List : Default - All compounds listedical\IL8.D•

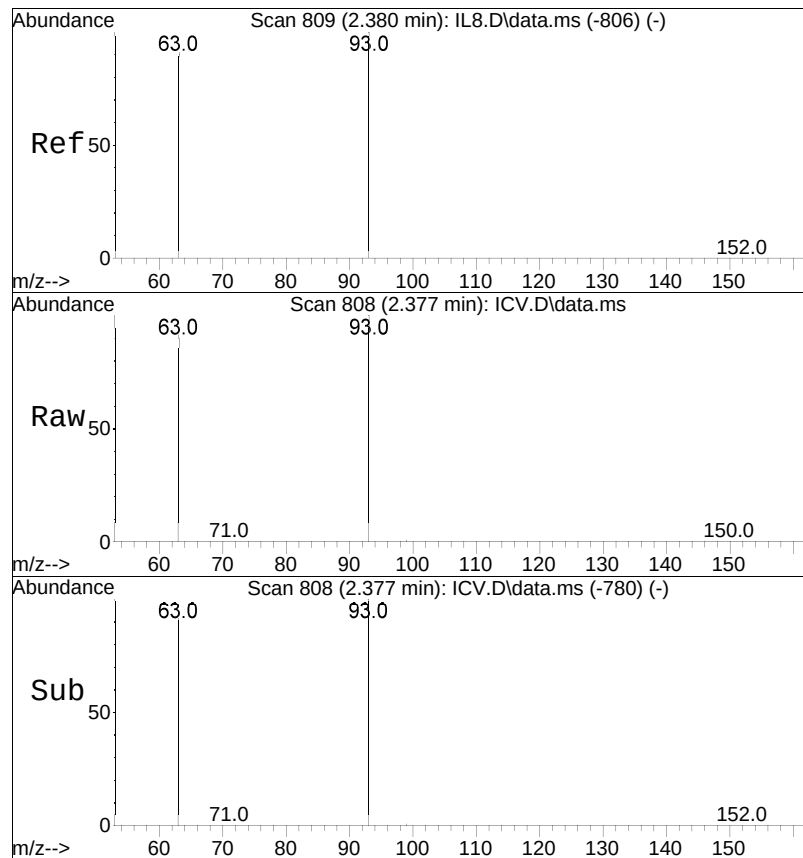




#2
 N-Nitrosodimethylamine
 Concen: 1041.97 ng/mL M6
 RT: 1.373 min Scan# 208
 Delta R.T. 0.004 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

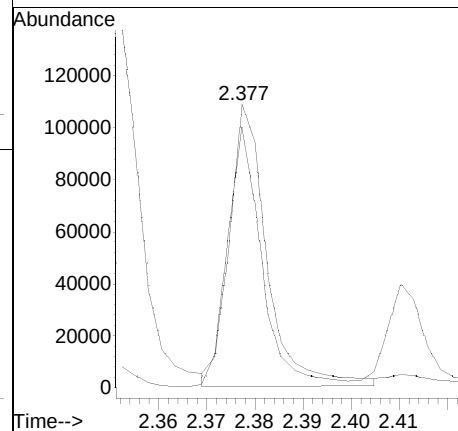
Tgt Ion: 74 Resp: 35256
 Ion Ratio Lower Upper
 74 100
 42 226.9 73.9 110.9#
 44 6.4 5.0 7.6

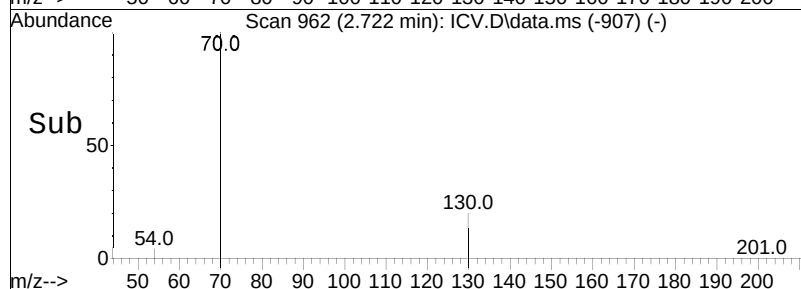
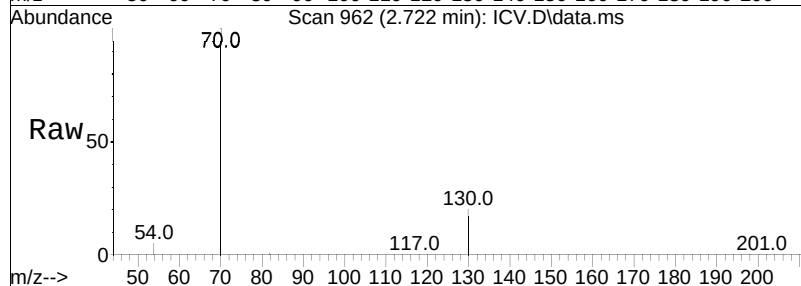
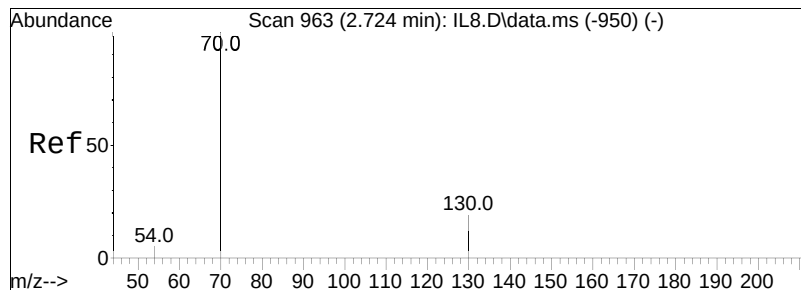




#5
 Bis(2-chloroethyl)ether
 Concen: 963.15 ng/ml
 RT: 2.377 min Scan# 808
 Delta R.T. -0.003 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

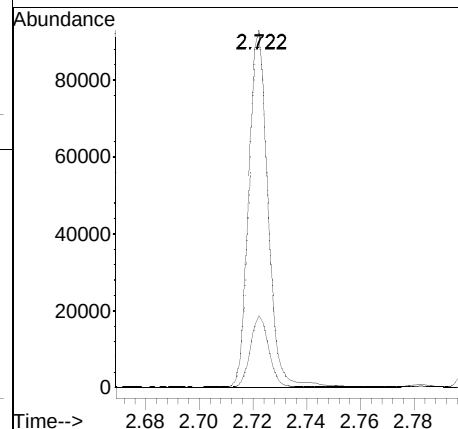
Tgt Ion	Ratio	Lower	Upper
93	100		
63	84.4	67.4	101.0

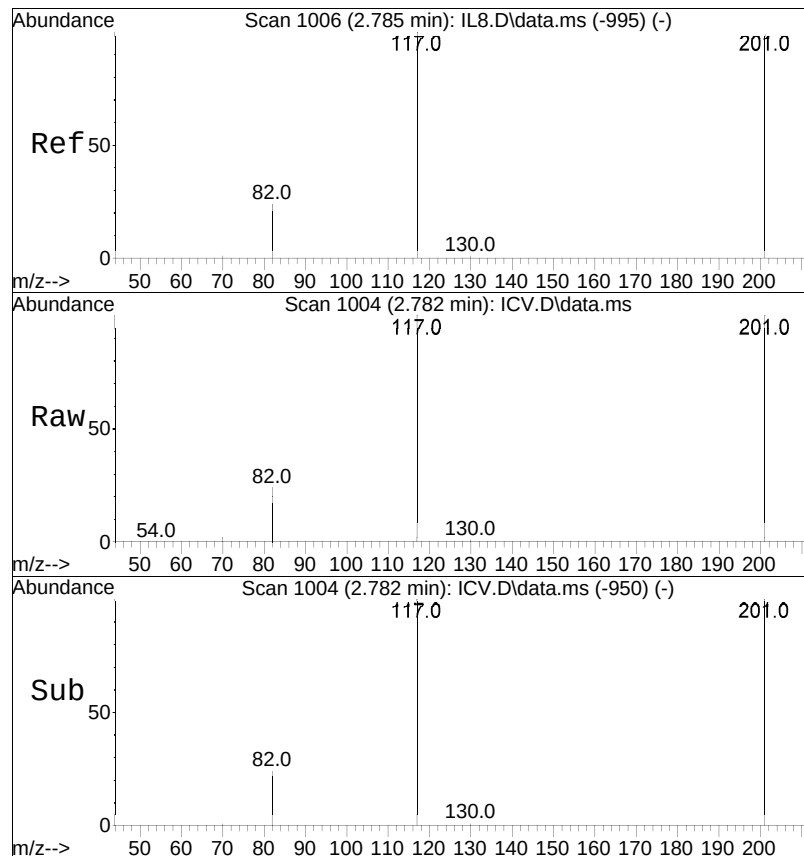




#6
 n-nitrosodi-n-propylamine
 Concen: 1006.39 ng/ml
 RT: 2.722 min Scan# 962
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

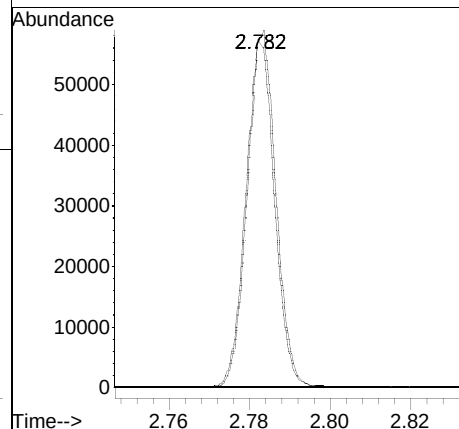
Tgt Ion	Ratio	Lower	Upper
70	100		
130	19.6	15.7	23.5

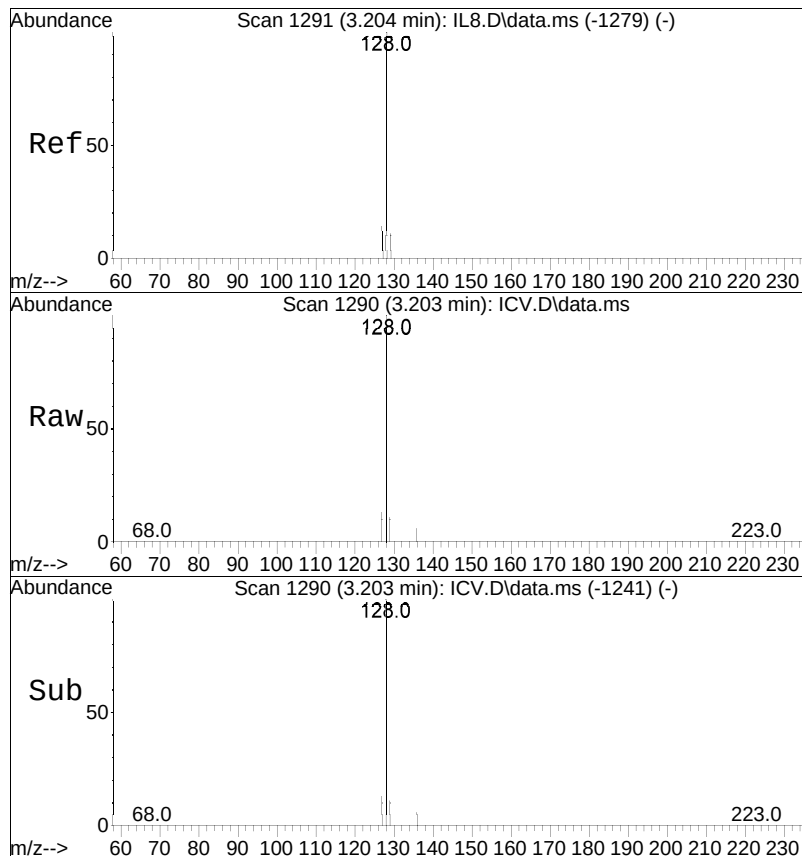




#7
 Hexachloroethane
 Concen: 963.26 ng/ml
 RT: 2.782 min Scan# 1004
 Delta R.T. -0.003 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

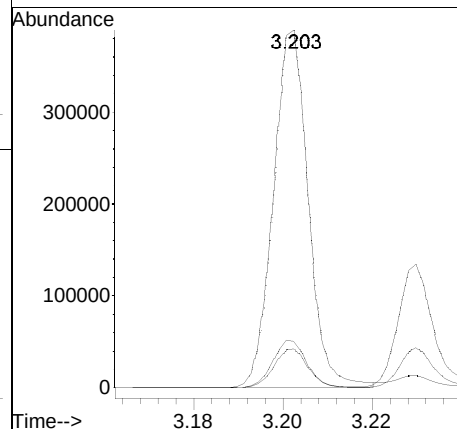
Tgt Ion	117	Ratio	100	Resp	27841
Ion	117	100			
	201	102.7	81.7	122.5	

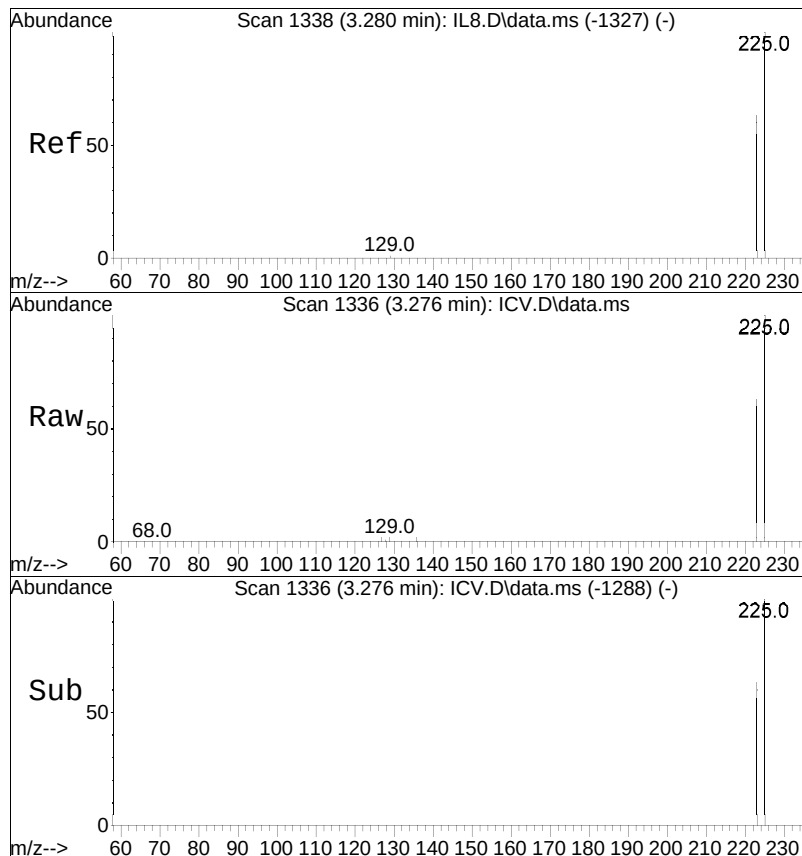




#10
Naphthalene
Concen: 957.29 ng/ml
RT: 3.203 min Scan# 1290
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 17 Sep 2025 12:27 pm

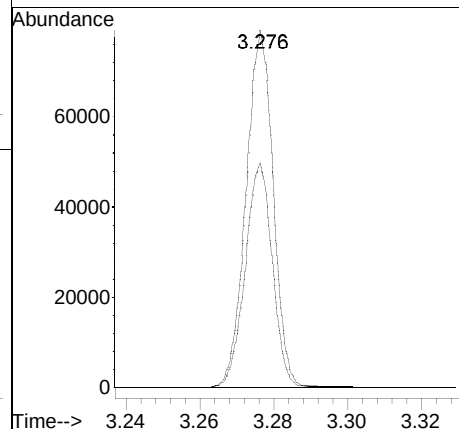
Tgt	Ion:128	Resp:	209082
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.2	10.6	16.0

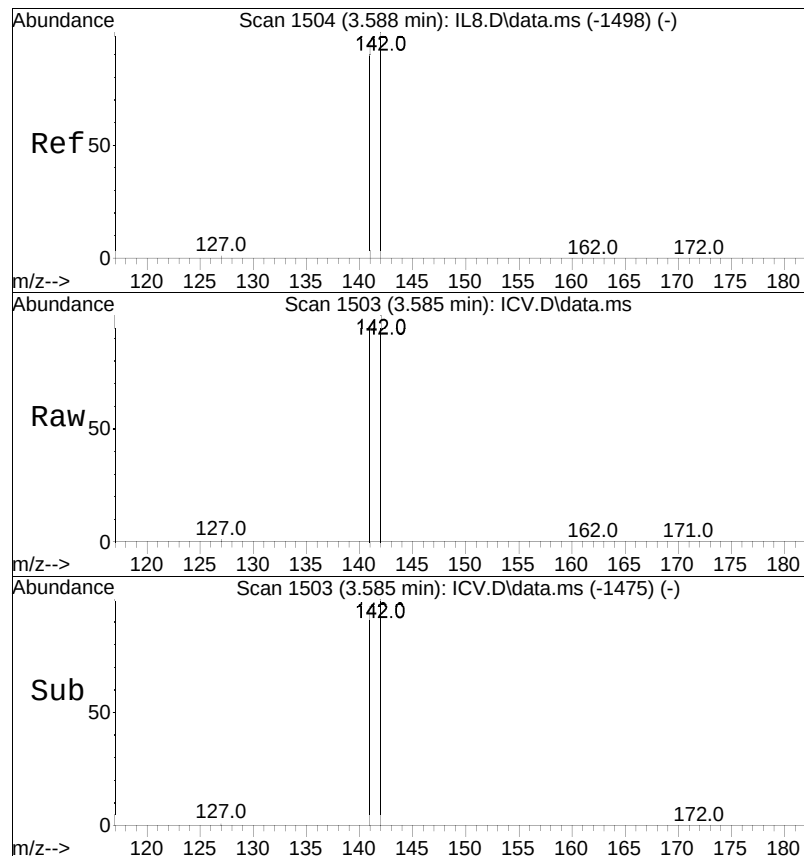




#11
 Hexachlorobutadiene
 Concen: 981.04 ng/ml
 RT: 3.276 min Scan# 1336
 Delta R.T. -0.004 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

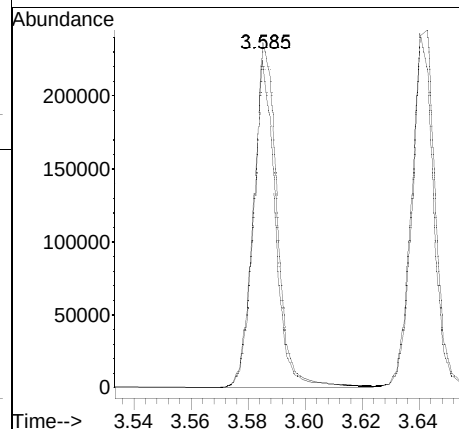
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6

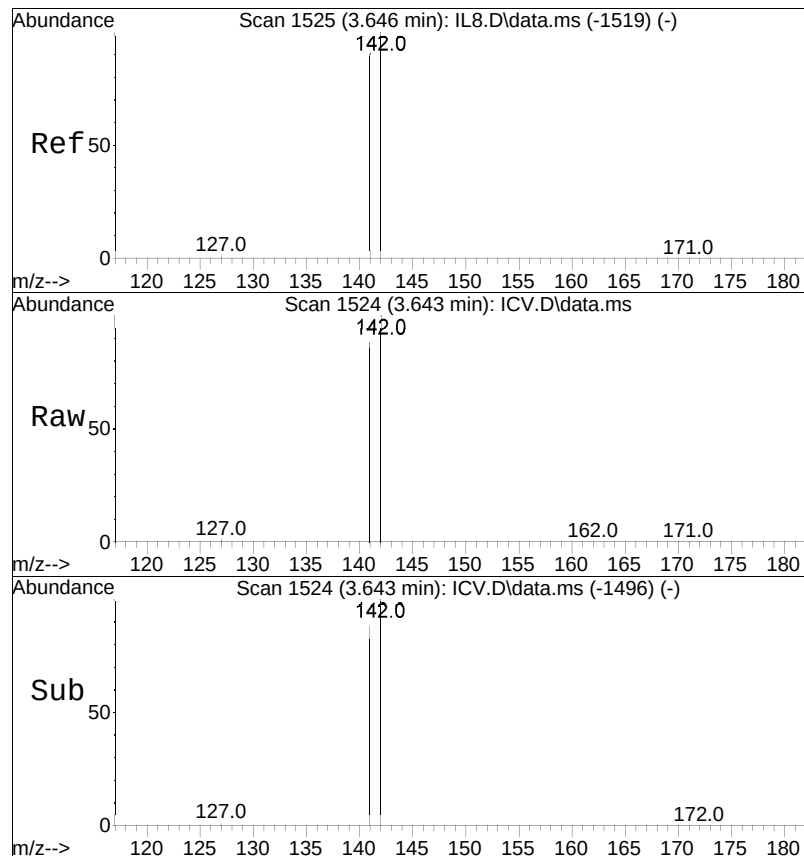




#12
 2-Methylnaphthalene
 Concen: 1041.80 ng/ml
 RT: 3.585 min Scan# 1503
 Delta R.T. -0.003 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

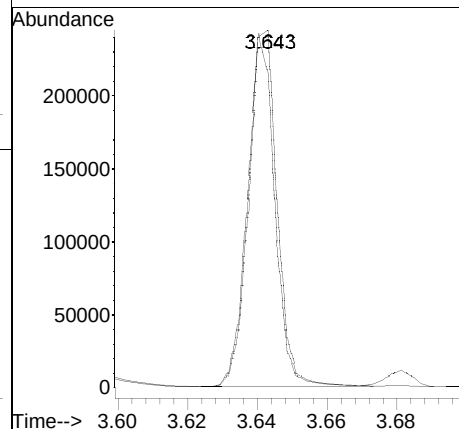
Tgt Ion:	142	Resp:	132645
Ion Ratio	Lower	Upper	
142	100		
141	92.3	73.8	110.6

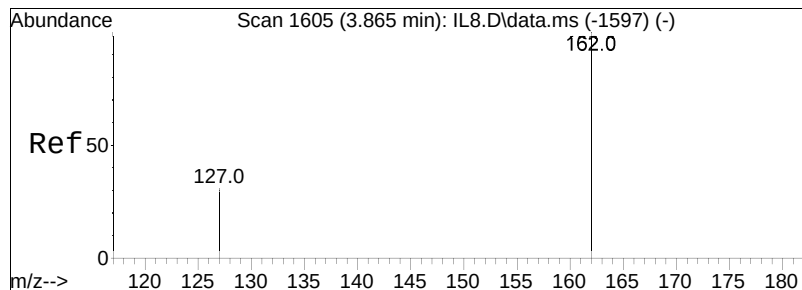




#13
 1-Methylnaphthalene
 Concen: 980.36 ng/ml
 RT: 3.643 min Scan# 1524
 Delta R.T. -0.003 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

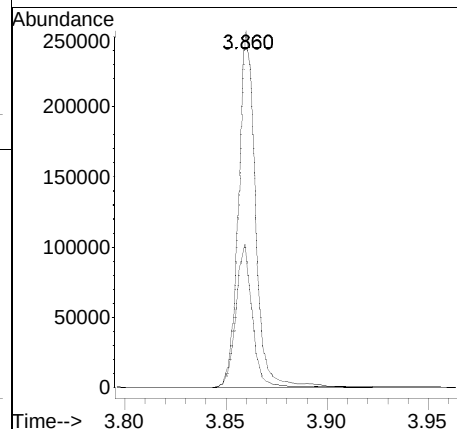
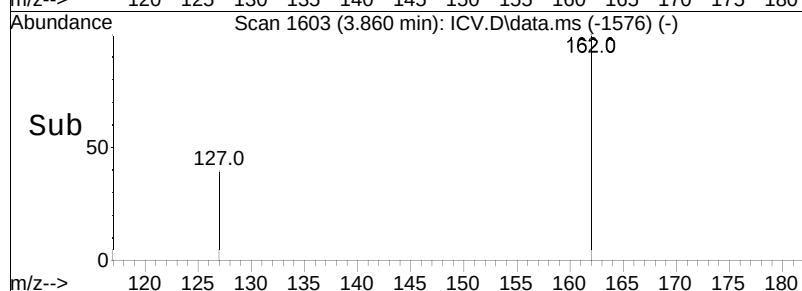
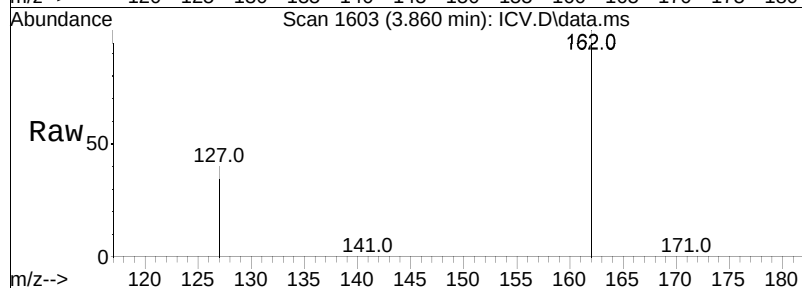
Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.2	76.9	115.3

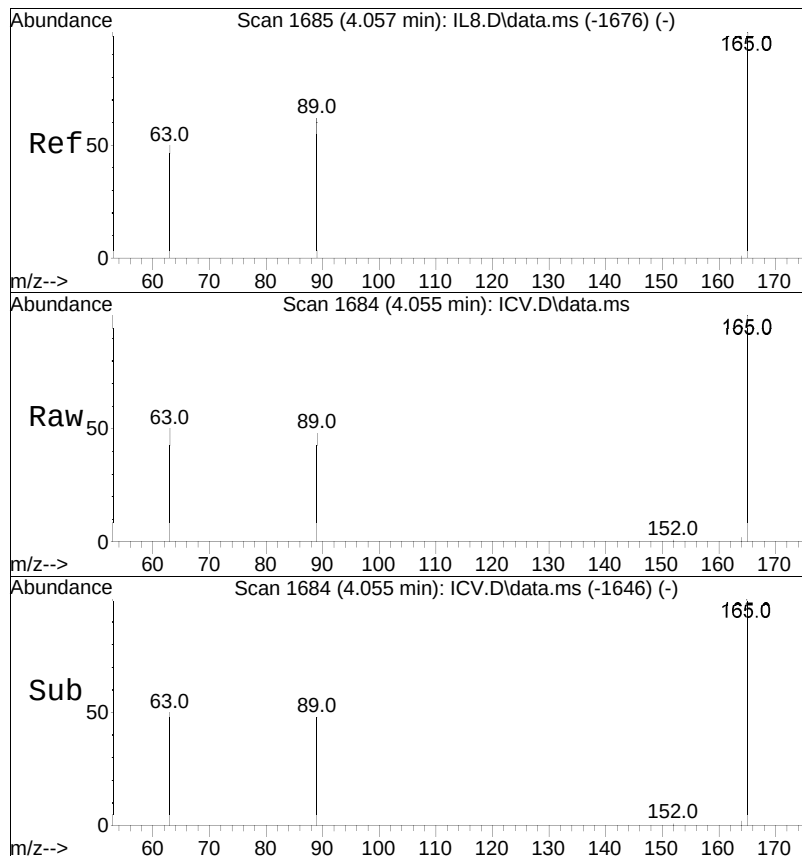




#15
 2-Chloronaphthalene
 Concen: 1015.23 ng/ml
 RT: 3.860 min Scan# 1603
 Delta R.T. -0.005 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

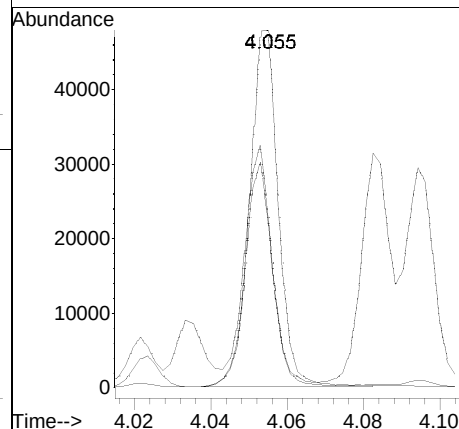
Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.6	31.6	47.4

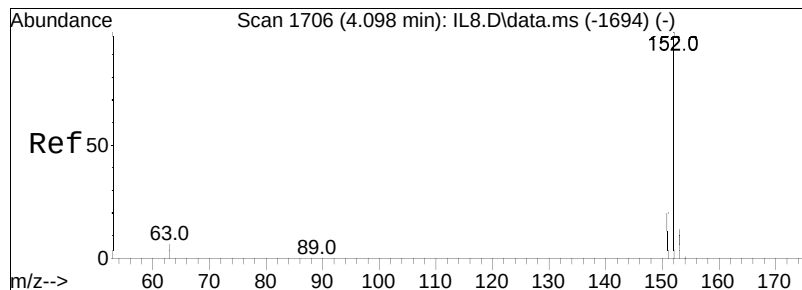




#16
 2,6-Dinitrotoluene
 Concen: 790.48 ng/ml
 RT: 4.055 min Scan# 1684
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

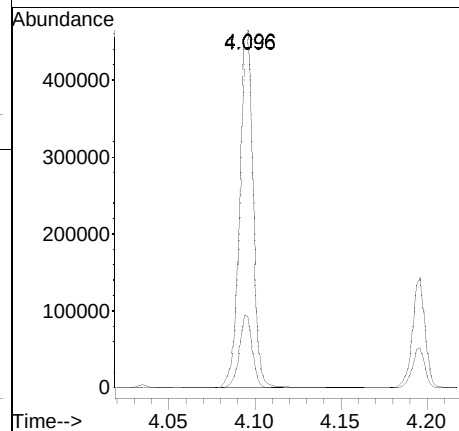
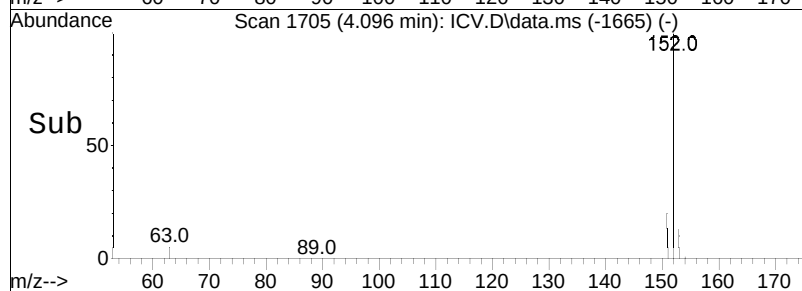
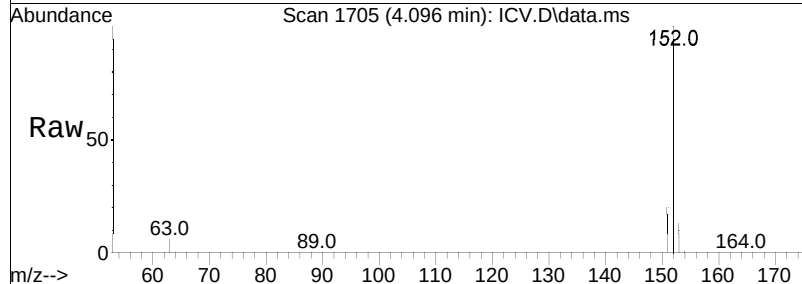
Tgt Ion:	165	Resp:	24788
Ion Ratio	Lower	Upper	
165	100		
89	60.9	48.7	73.1
63	64.8	52.3	78.5

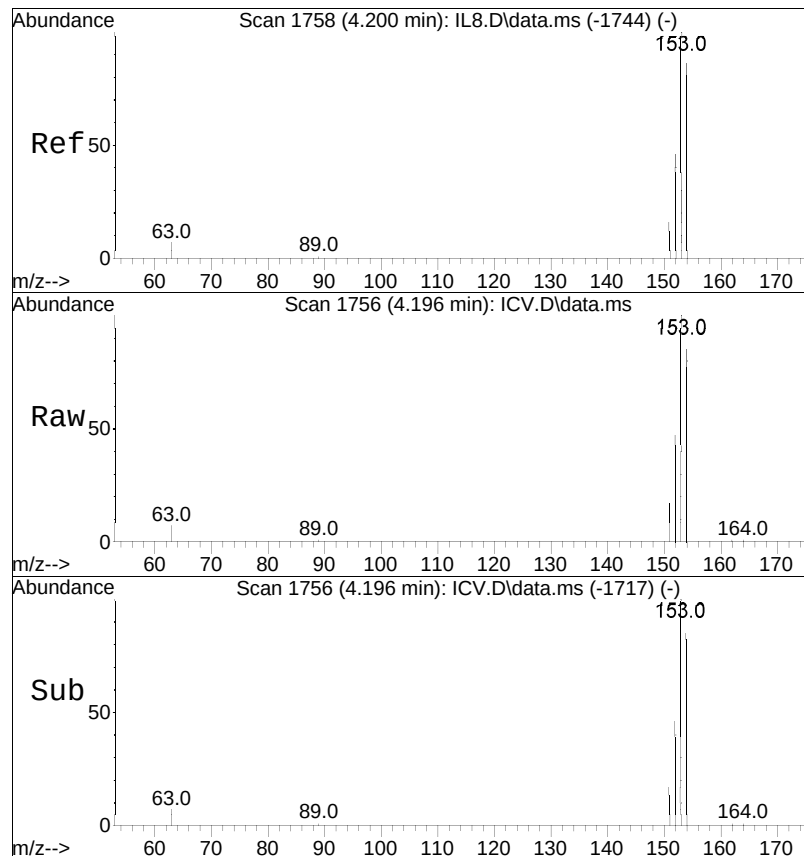




#17
 Acenaphthylene
 Concen: 995.37 ng/ml
 RT: 4.096 min Scan# 1705
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

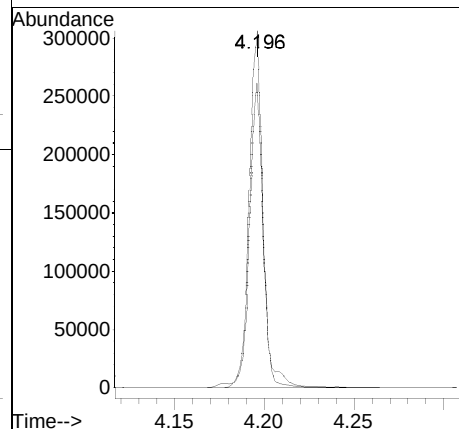
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8

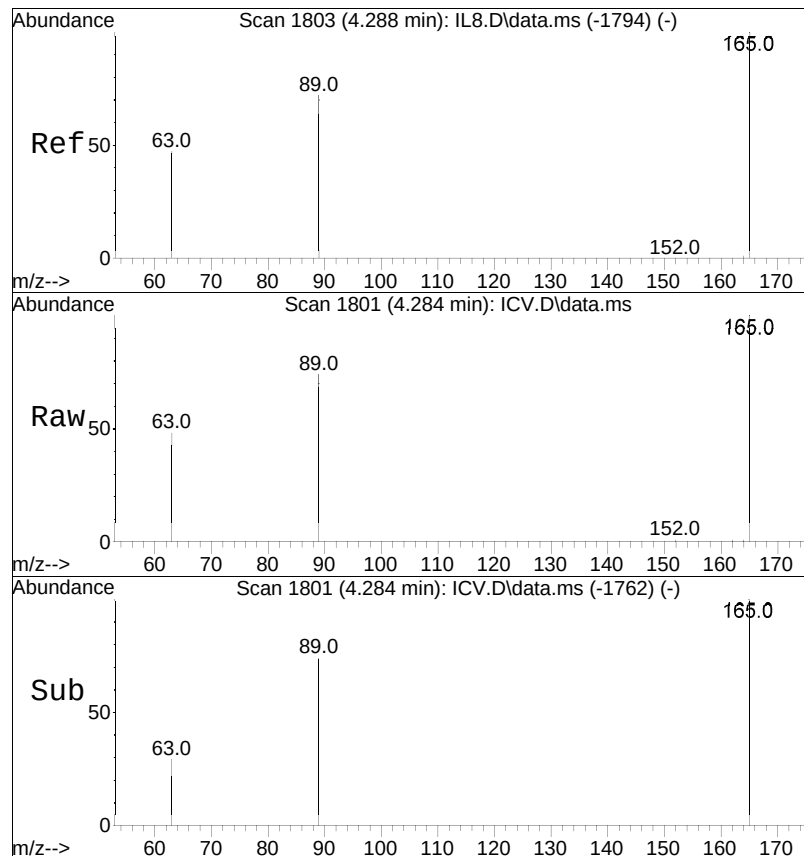




#19
 Acenaphthene
 Concen: 960.02 ng/ml
 RT: 4.196 min Scan# 1756
 Delta R.T. -0.004 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

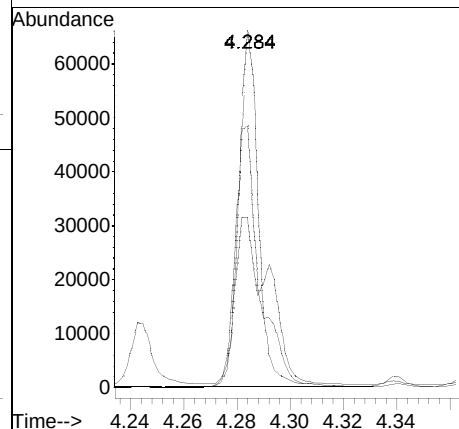
Tgt Ion	Ratio	Lower	Upper
153	100		
154	89.4	71.4	107.2

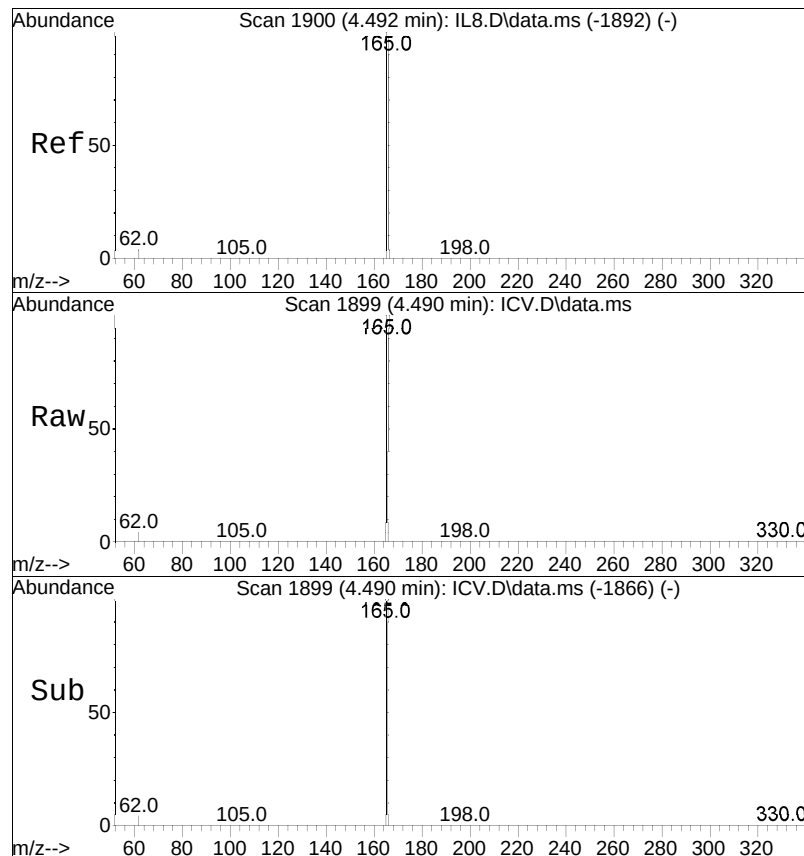




#20
 2,4-Dinitrotoluene
 Concen: 792.64 ng/ml
 RT: 4.284 min Scan# 1801
 Delta R.T. -0.004 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

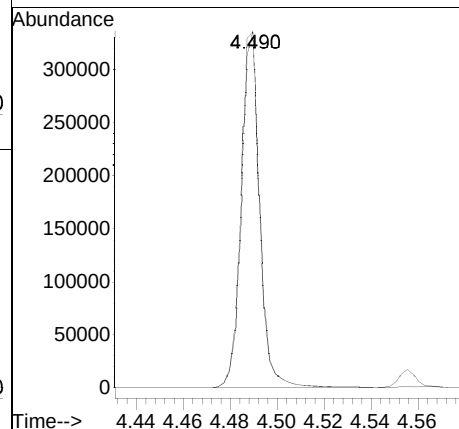
Tgt Ion:	165	Resp:	33541
Ion Ratio	Lower	Upper	
165	100		
89	91.7	72.6	108.8
63	48.0	38.1	57.1

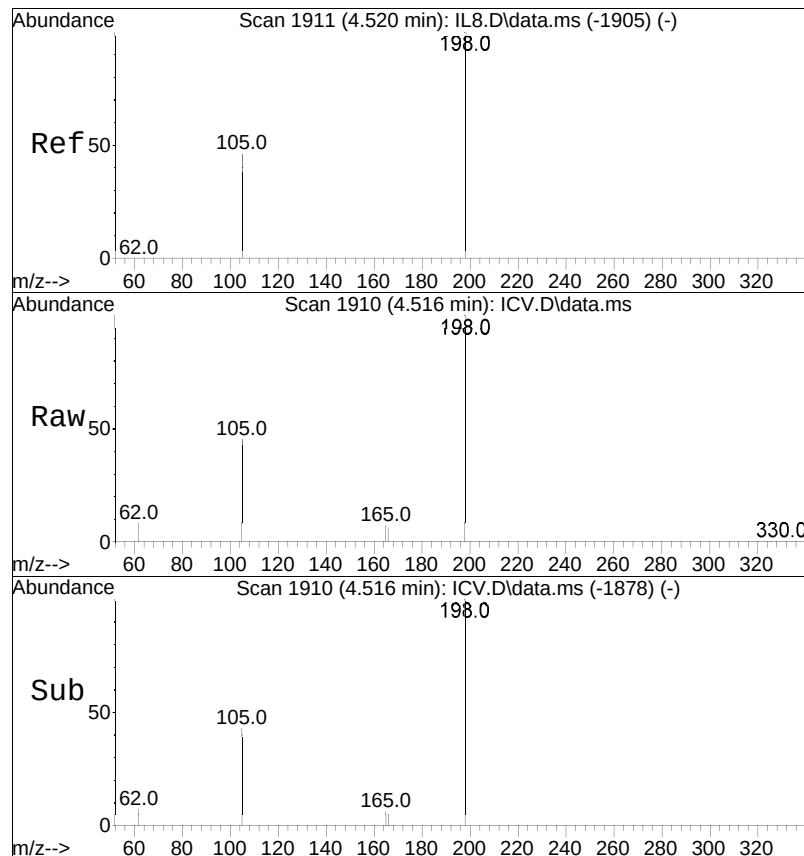




#21
 Fluorene
 Concen: 1007.99 ng/ml
 RT: 4.490 min Scan# 1899
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

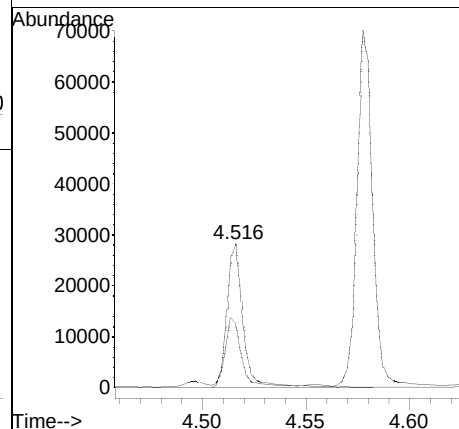
Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.1	81.5	122.3

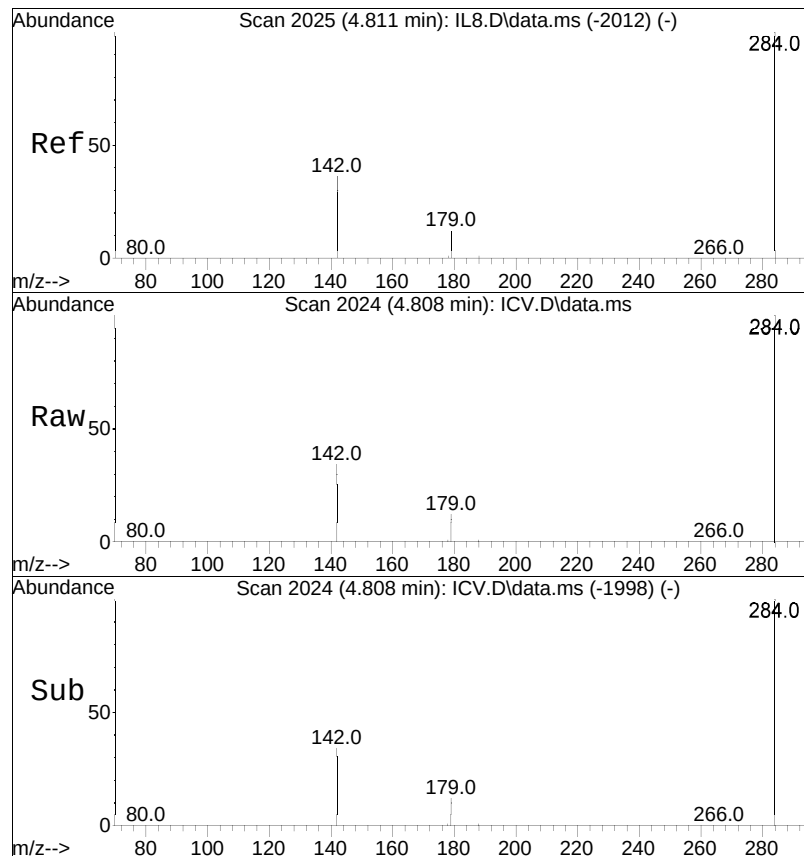




#24
4,6-Dinitro-o-cresol
Concen: 872.56 ng/ml
RT: 4.516 min Scan# 1910
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 17 Sep 2025 12:27 pm

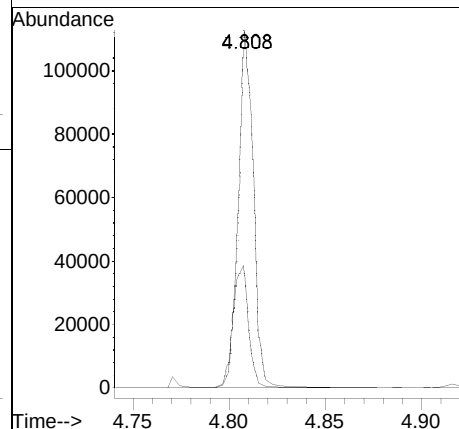
Tgt Ion	Ratio	Lower	Upper
198	100		
105	45.1	35.4	53.2

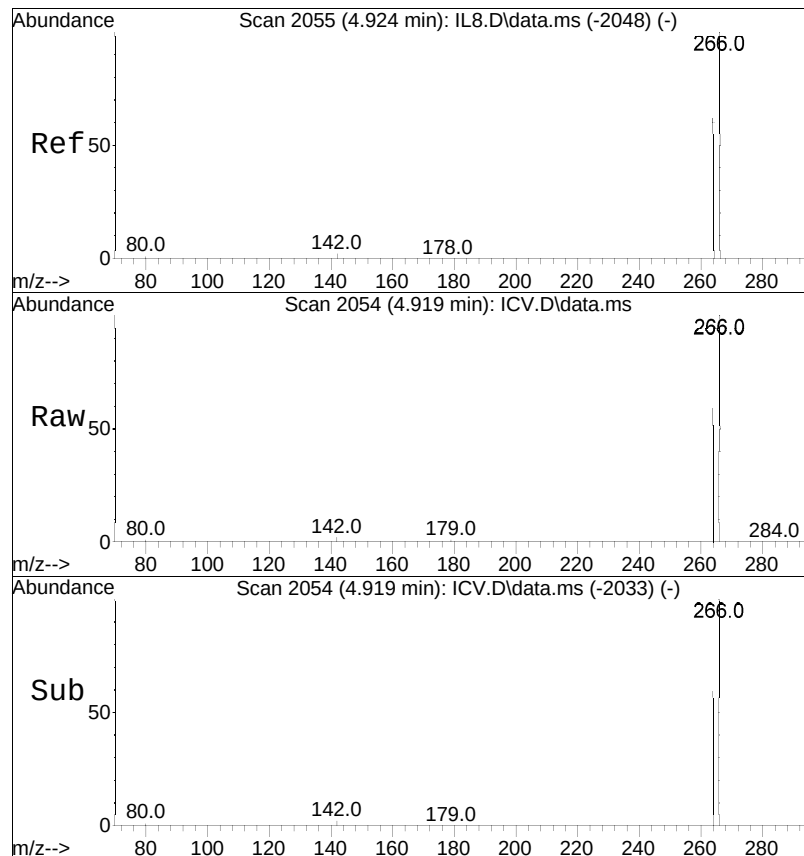




#25
 Hexachlorobenzene
 Concen: 957.64 ng/ml
 RT: 4.808 min Scan# 2024
 Delta R.T. -0.003 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

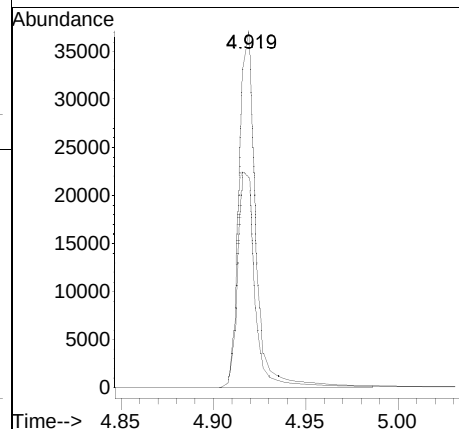
Tgt	Ion	Ratio	Lower	Upper
284	100			
142	36.0	29.6	44.4	

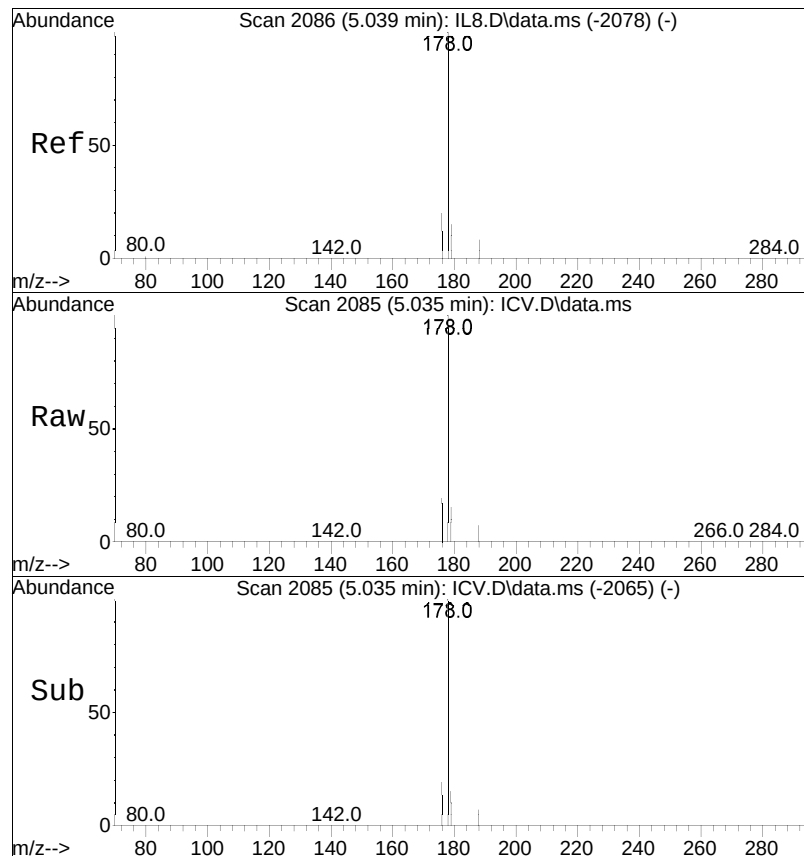




#26
 Pentachlorophenol
 Concen: 1194.31 ng/ml
 RT: 4.919 min Scan# 2054
 Delta R.T. -0.004 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

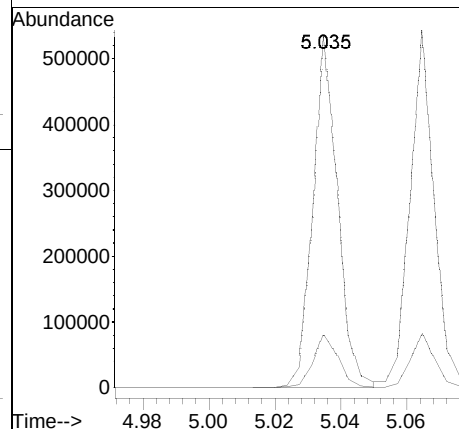
Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.5	50.5	75.7

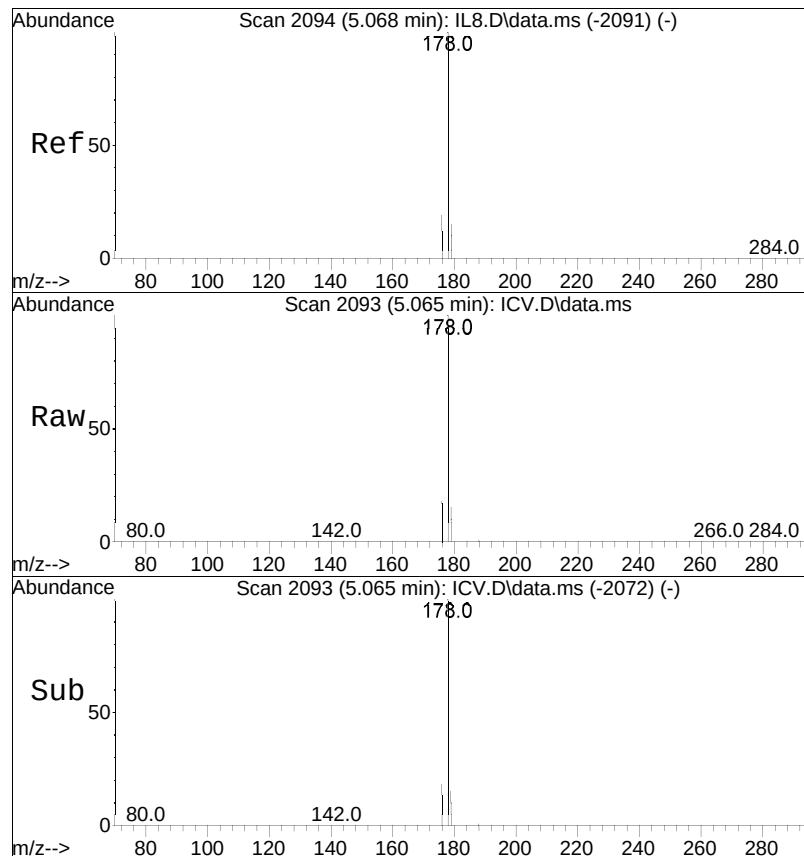




#27
 Phenanthrene
 Concen: 975.48 ng/ml
 RT: 5.035 min Scan# 2085
 Delta R.T. -0.004 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

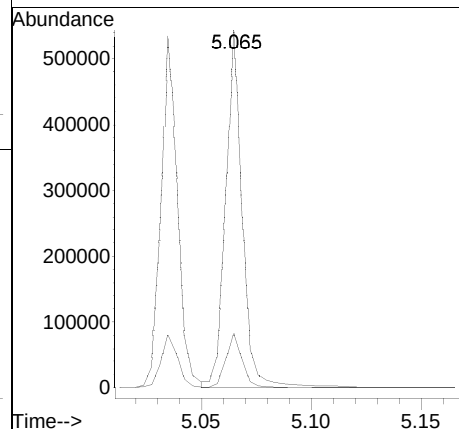
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6

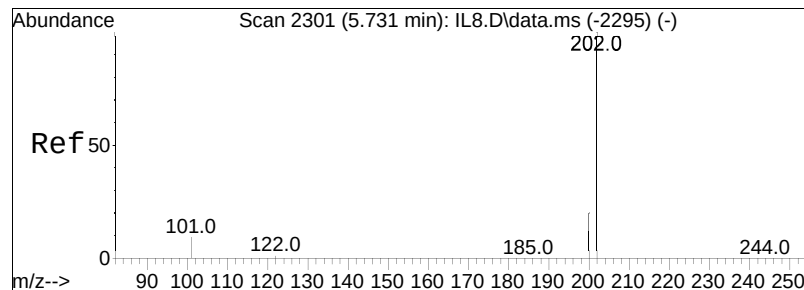




#28
 Anthracene
 Concen: 998.33 ng/ml
 RT: 5.065 min Scan# 2093
 Delta R.T. -0.003 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

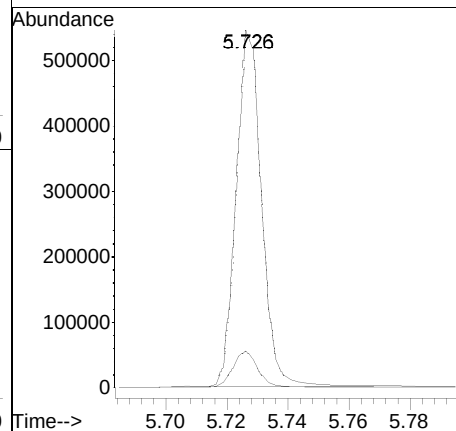
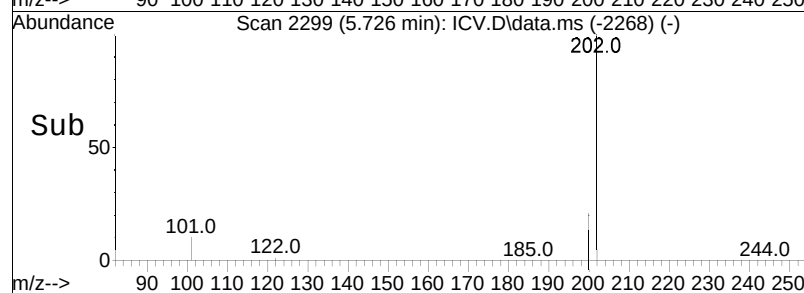
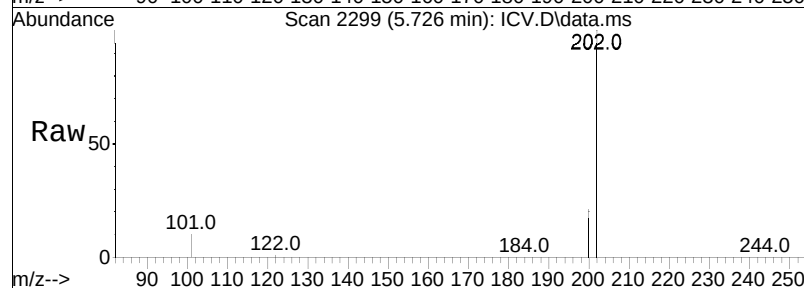
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

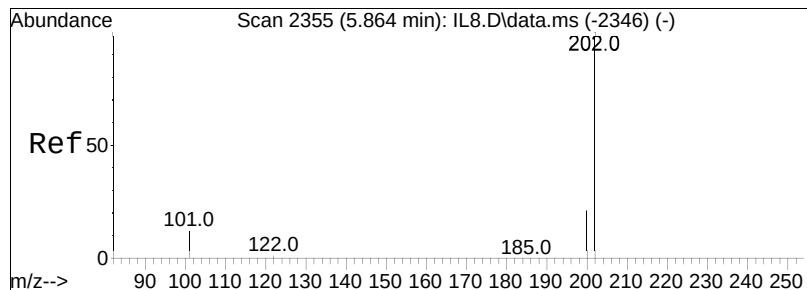




#29
 Fluoranthene
 Concen: 980.77 ng/ml
 RT: 5.726 min Scan# 2299
 Delta R.T. -0.005 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

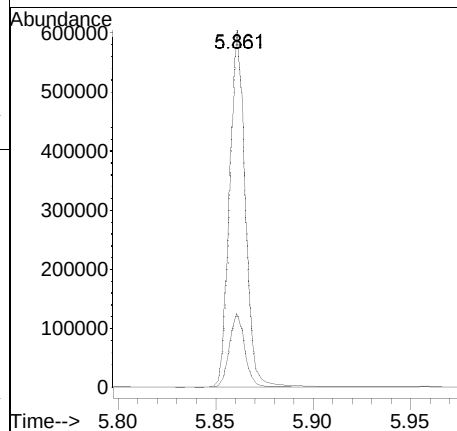
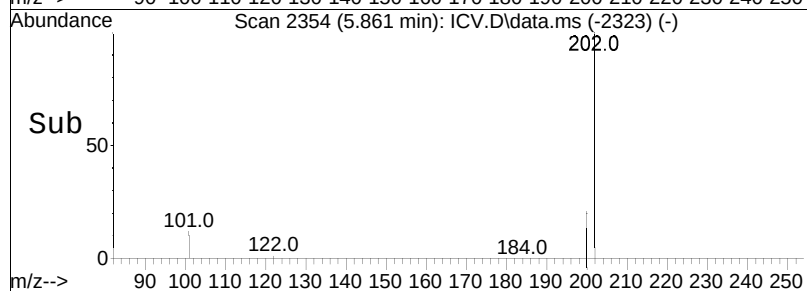
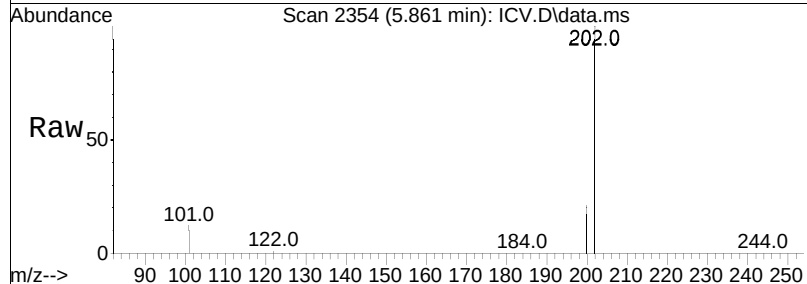
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	10.2	8.2	12.2	

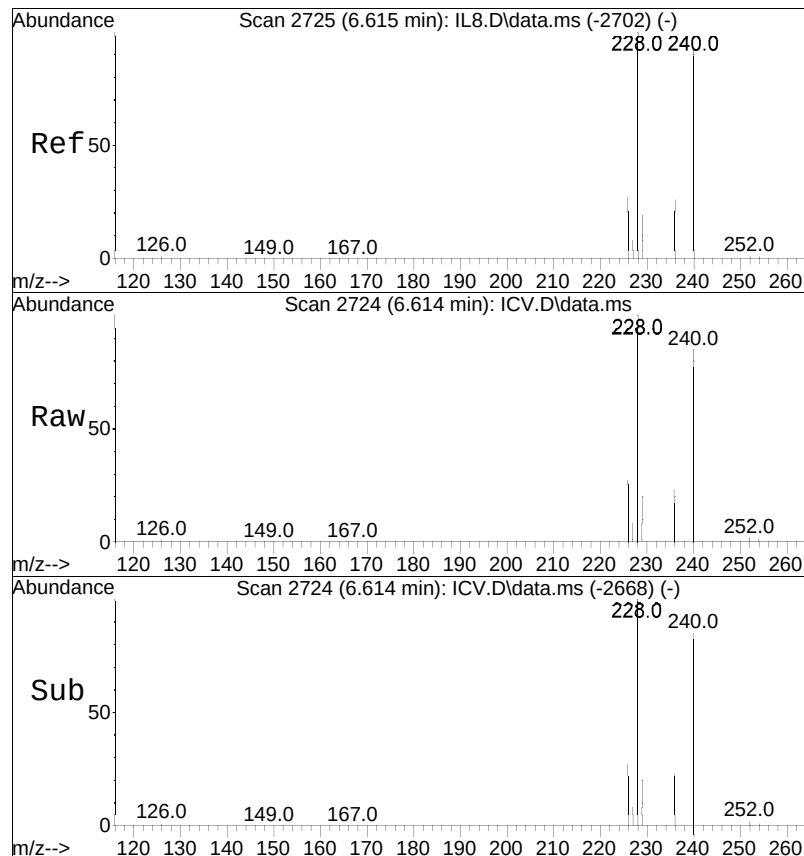




#30
 Pyrene
 Concen: 1002.30 ng/ml
 RT: 5.861 min Scan# 2354
 Delta R.T. -0.003 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

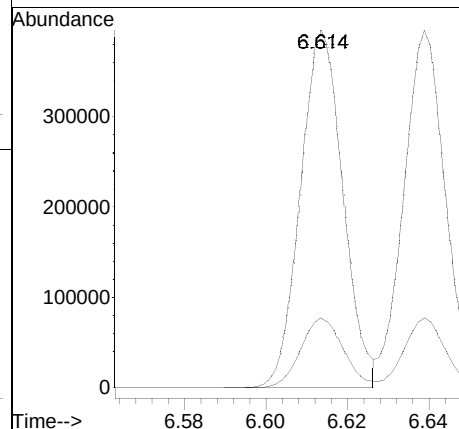
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0

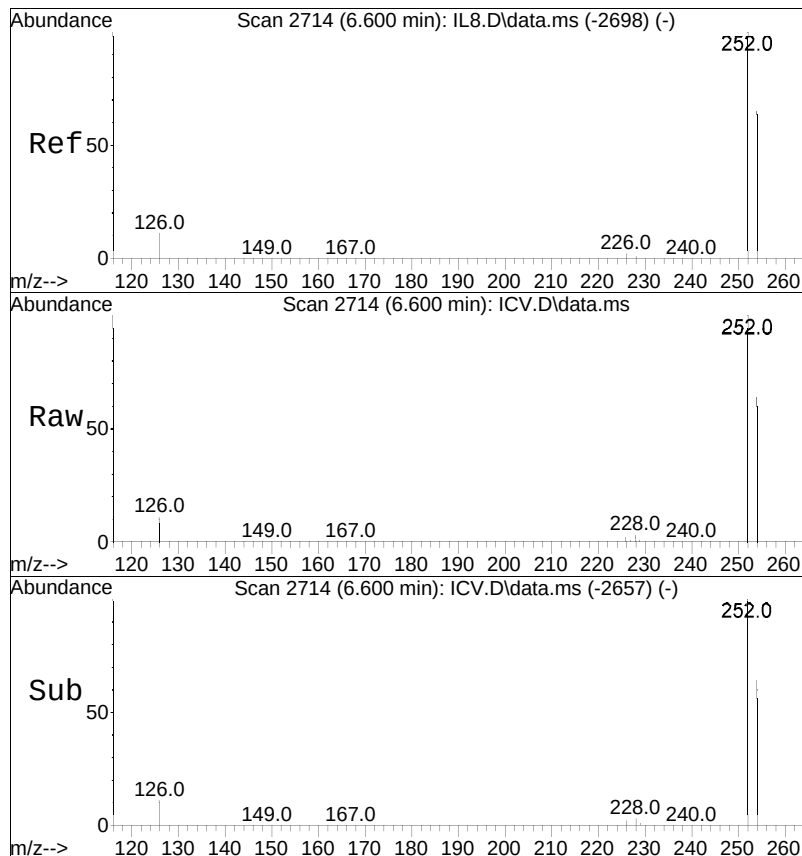




#33
 Benzo[a]anthracene
 Concen: 939.24 ng/ml
 RT: 6.614 min Scan# 2724
 Delta R.T. -0.001 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

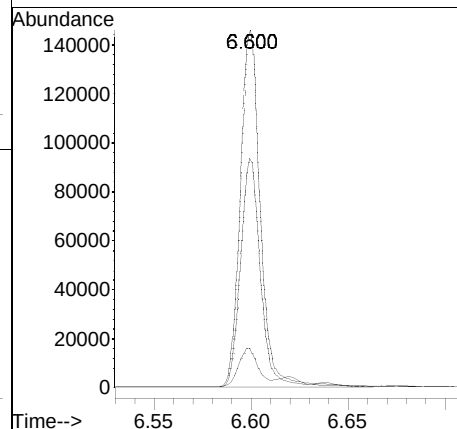
Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.7	23.5

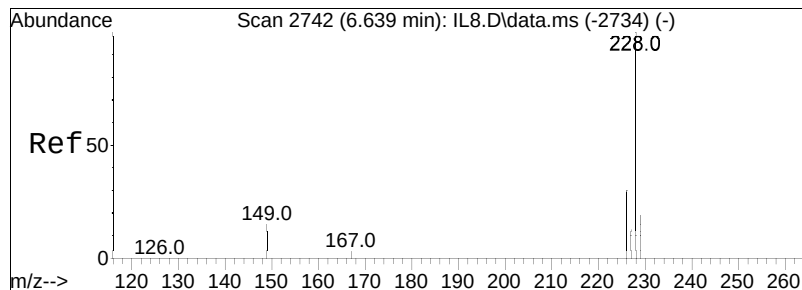




#34
 3,3'-Dichlorobenzidine
 Concen: 869.63 ng/ml
 RT: 6.600 min Scan# 2714
 Delta R.T. -0.000 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

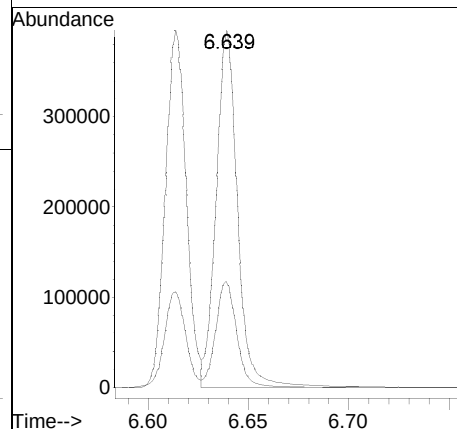
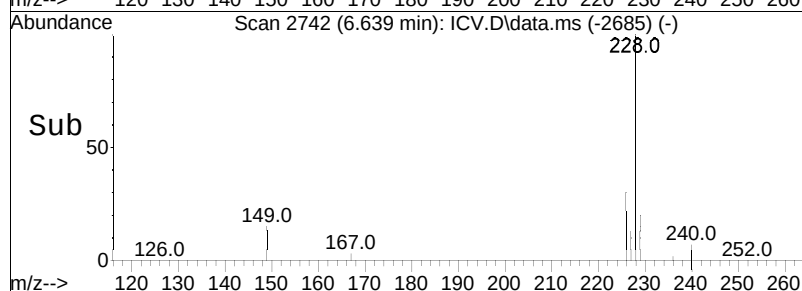
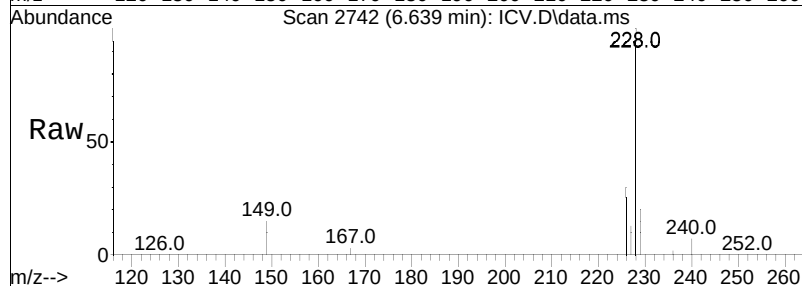
Tgt Ion:	252	Resp:	103510
Ion Ratio	Lower	Upper	
252	100		
126	10.9	8.6	13.0
254	64.4	51.3	76.9

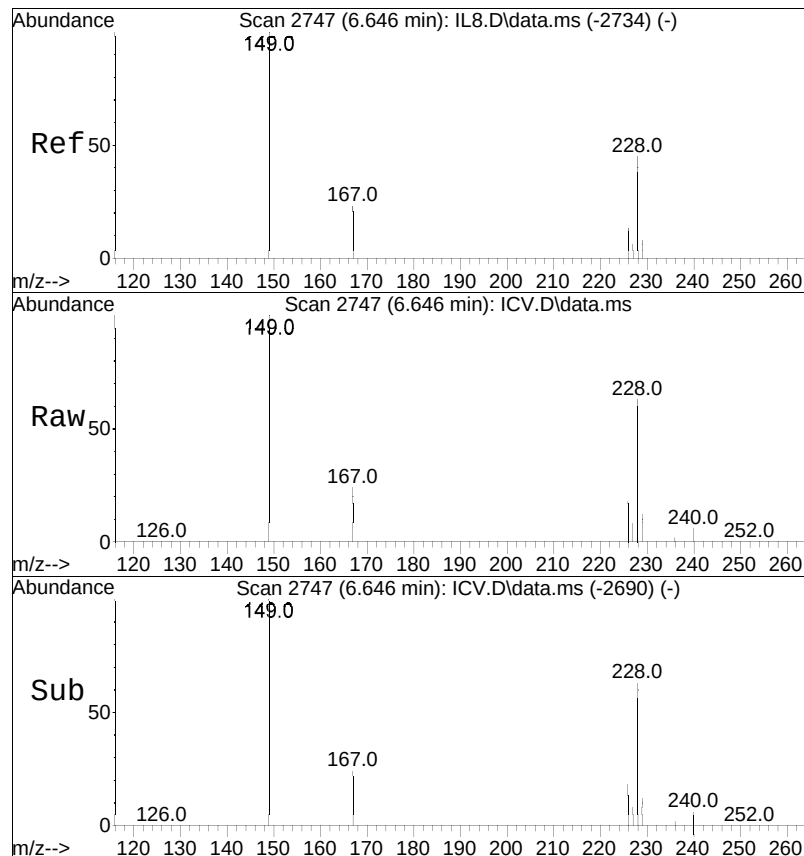




#35
 Chrysene
 Concen: 960.80 ng/ml
 RT: 6.639 min Scan# 2742
 Delta R.T. -0.000 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

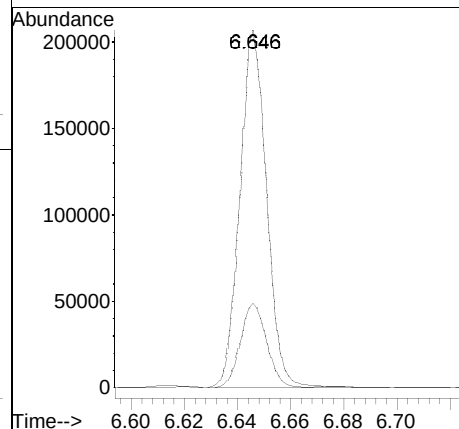
Tgt	Ion	Ratio	Lower	Upper
228	100			
226	29.9	24.0	36.0	

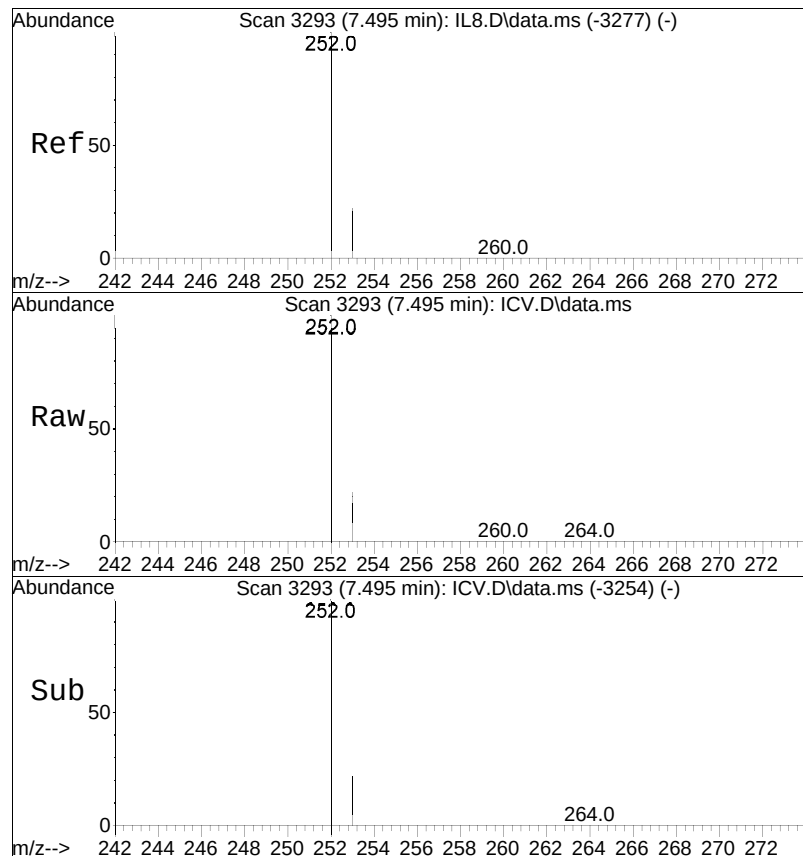




#36
 Bis(2-ethylhexyl)phthalate
 Concen: 898.24 ng/ml
 RT: 6.646 min Scan# 2747
 Delta R.T. -0.000 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

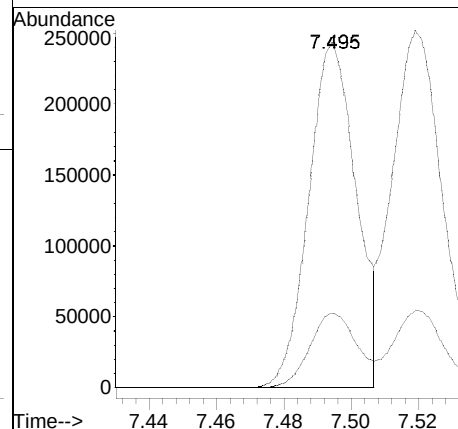
Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.3	18.6	28.0

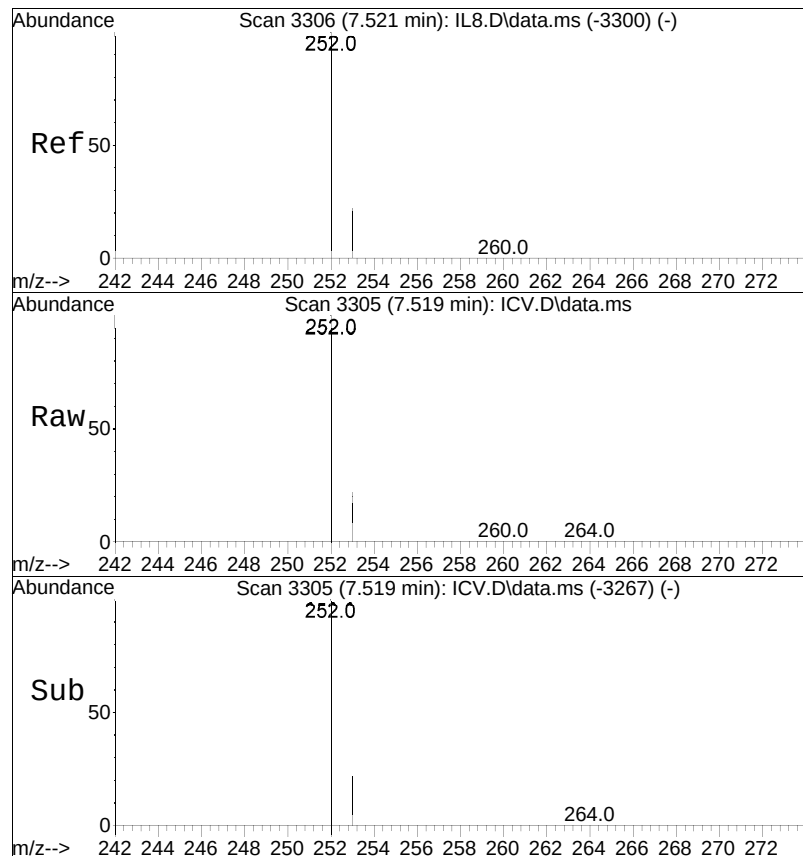




#38
 Benzo[b]fluoranthene
 Concen: 971.66 ng/ml
 RT: 7.495 min Scan# 3293
 Delta R.T. -0.000 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

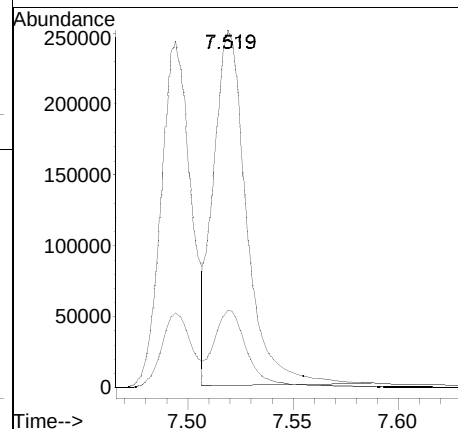
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.5	17.2	25.8	

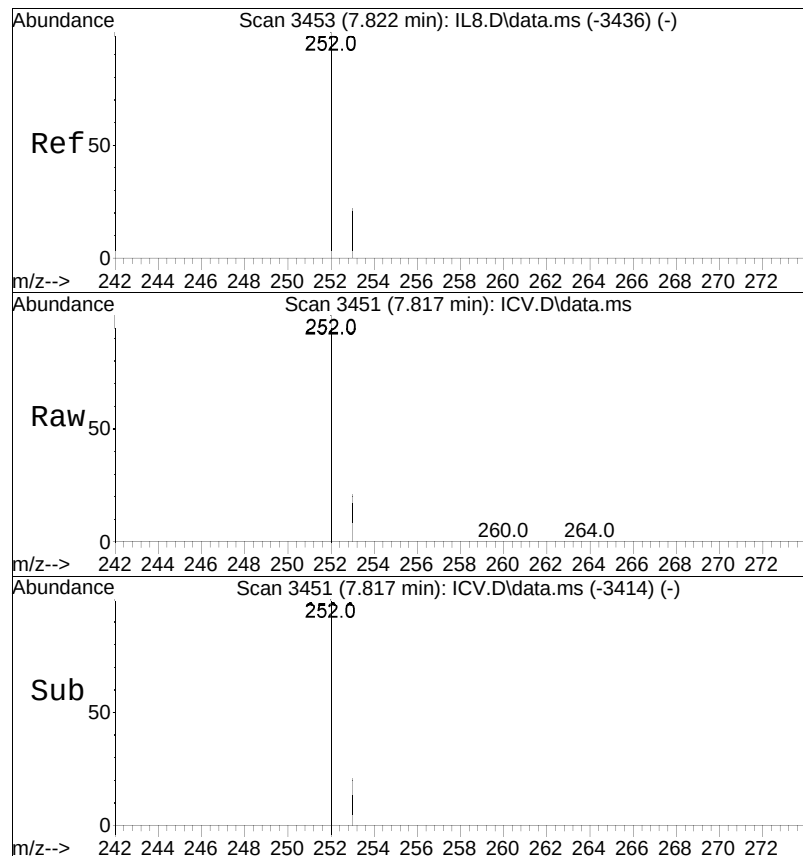




#39
 Benzo[k]fluoranthene
 Concen: 996.34 ng/ml
 RT: 7.519 min Scan# 3305
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

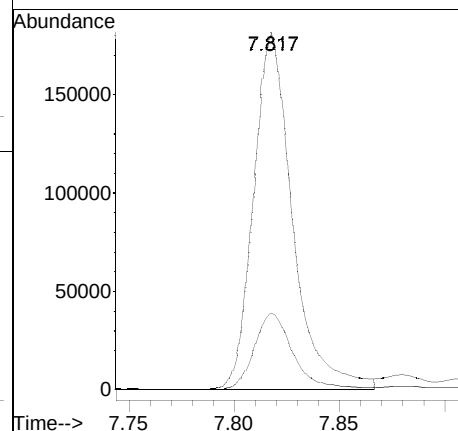
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8

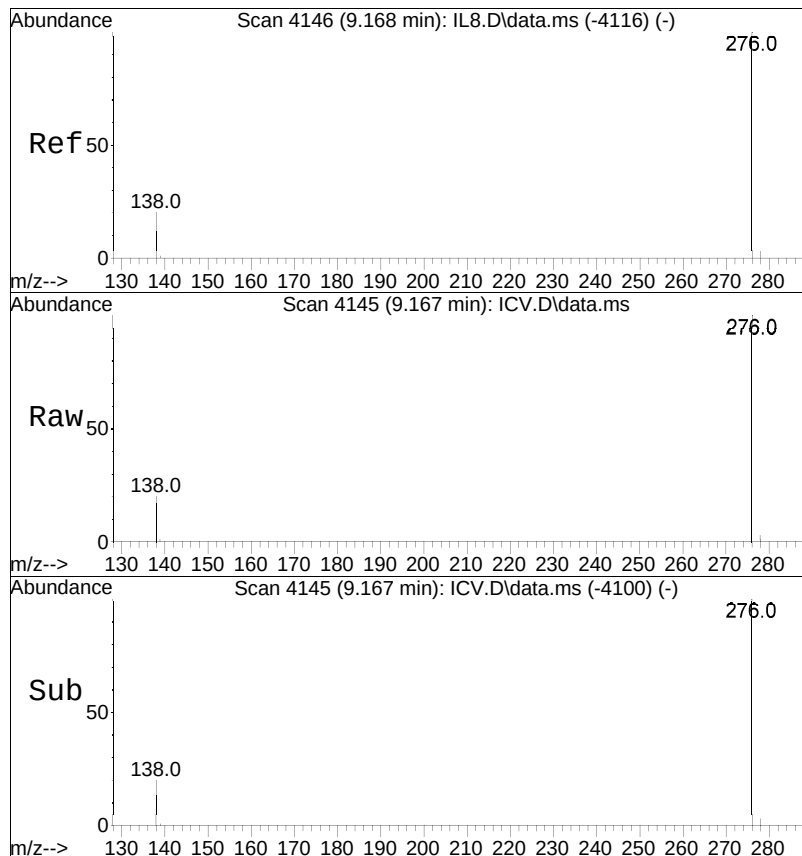




#40
 Benzo[a]pyrene
 Concen: 991.96 ng/ml
 RT: 7.817 min Scan# 3451
 Delta R.T. -0.005 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

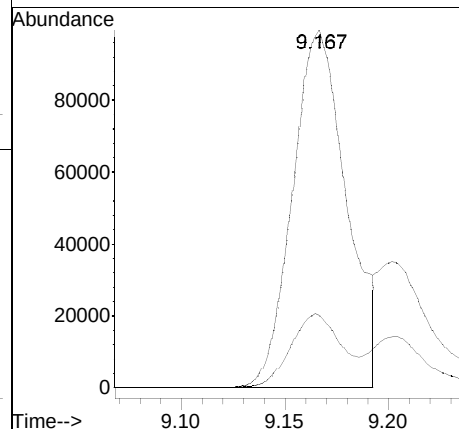
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.5	17.4	26.0	

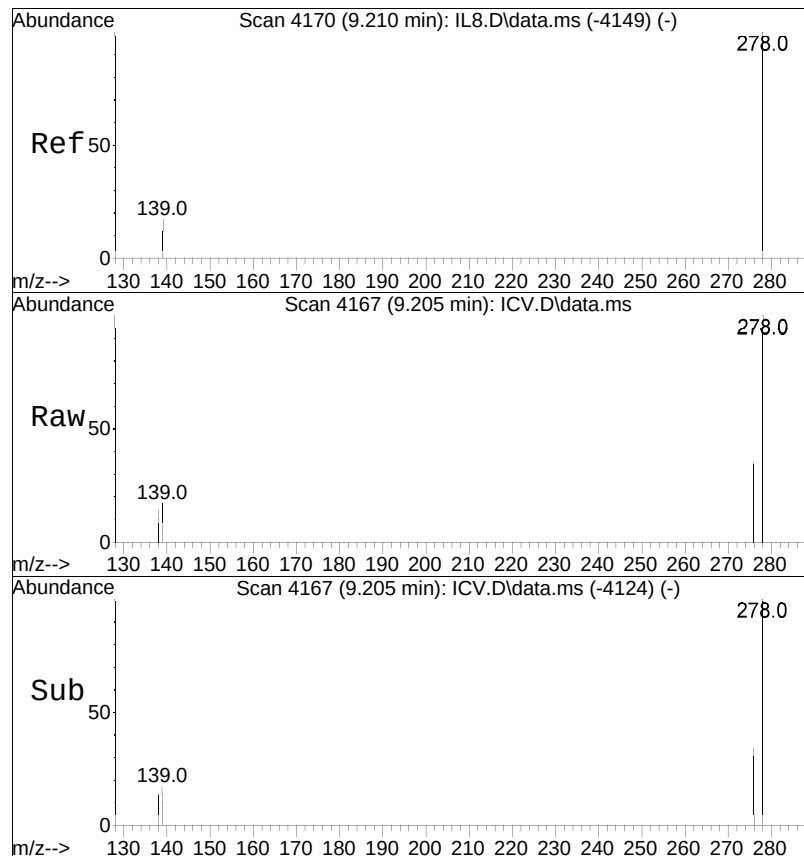




#41
 Indeno[1,2,3-cd]pyrene
 Concen: 924.83 ng/ml
 RT: 9.167 min Scan# 4145
 Delta R.T. -0.001 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

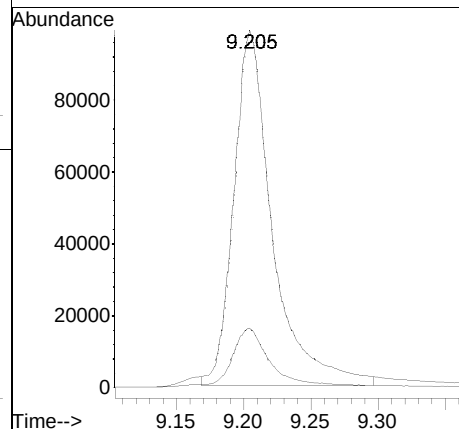
Tgt	Ion	Ratio	Lower	Upper
276	100			
138	19.5	16.3	24.5	

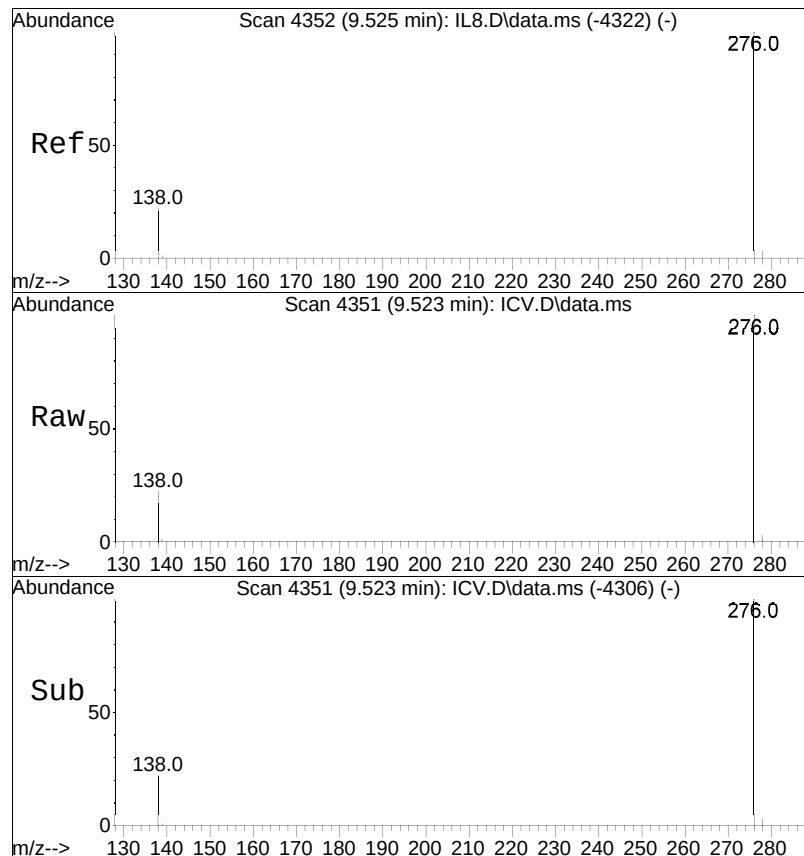




#42
 Dibenzo[a,h]anthracene
 Concen: 1047.95 ng/ml M6
 RT: 9.205 min Scan# 4167
 Delta R.T. -0.005 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

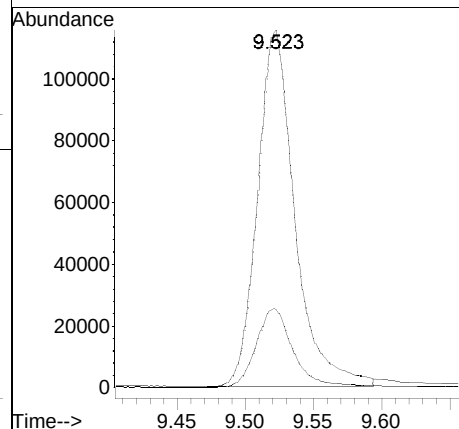
Tgt	Ion	Ratio	Lower	Upper
278	100			
139	16.6	12.6	18.8	





#43
 Benzo[g,h,i]perylene
 Concen: 983.92 ng/ml
 RT: 9.523 min Scan# 4351
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 17 Sep 2025 12:27 pm

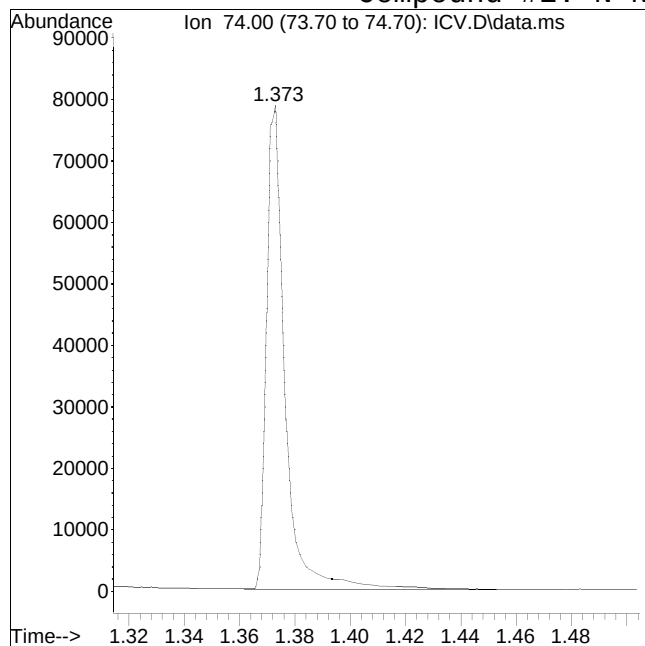
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	17.8	26.8



Manual Integration Report

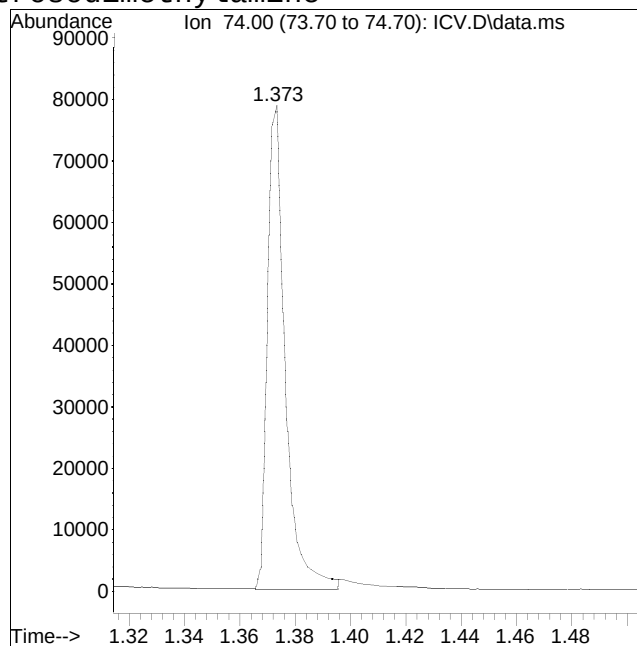
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : ICV.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 12:27 pm Instrument : SV120
Sample : CQICV,32,,1000.0ng/mL lot Quant Date : 9/22/2025 9:00 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 36683

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

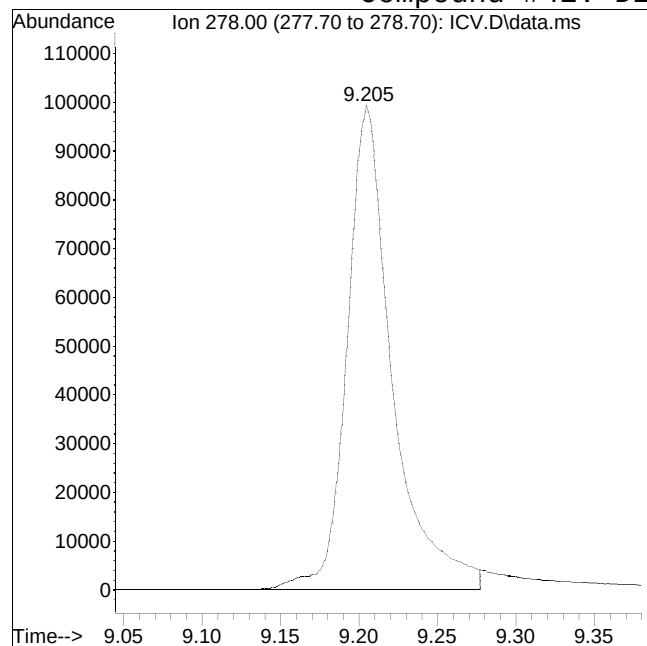


Manual Peak Response = 35256 M6

Manual Integration Report

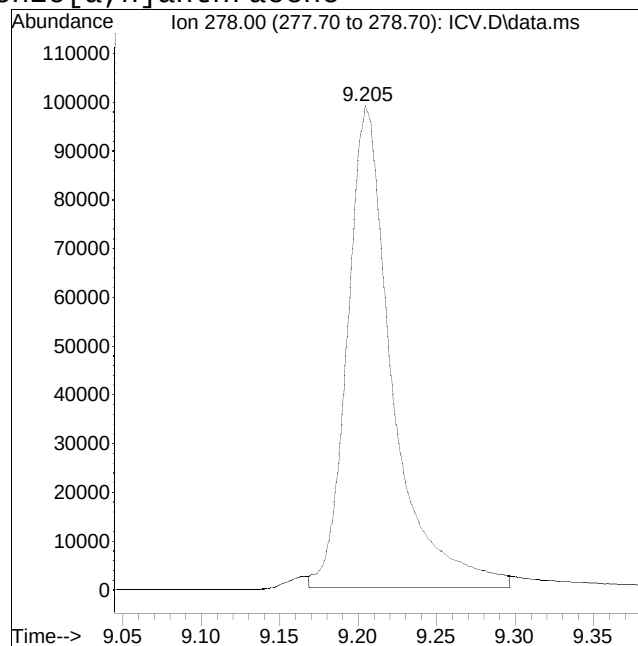
Data Path : I:\8270SIM\sv120\250917RVTQMethod : SIM-RVT_250917_sv120.M
Data File : ICV.D Operator : SV120:mrg
Date Inj'd : 9/17/2025 12:27 pm Instrument : SV120
Sample : CQICV,32,,1000.0ng/mL lot Quant Date : 9/22/2025 9:00 pm

Compound #42: Dibenzo[a,h]anthracene



Original Peak Response = 199241

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 196770 M6

Method Path : I:\8270SIM\sv120\250917RVTical\
 Method File : SIM-RVT_250917_sv120.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Sep 22 20:52:34 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE

5	T Bis(2-chloroethyl)ether	L	ng/ml	1000.0	980.406	-2.0	10.00	13.315	33.1
8	S Nitrobenzene-d5	L	ng/ml	1000.0	961.954	-3.8	5.00	6.784	35.7
16	T 2,6-Dinitrotoluene	L	ng/ml	1000.0	900.383	-10.0	40.00	51.553	28.9
20	T 2,4-Dinitrotoluene	L	ng/ml	1000.0	905.650	-9.4	40.00	52.960	32.4
24	T 4,6-Dinitro-o-cresol	Q	ng/ml	1000.0	955.274	-4.5	40.00	46.019	15.0
26	T Pentachlorophenol	Q	ng/ml	1000.0	1039.145	3.9	10.00	13.557	35.6
33	T Benzo[a]anthracene	L	ng/ml	1000.0	978.341	-2.2	5.00	5.743	14.9
34	T 3,3'-Dichlorobenzidine	L	ng/ml	1000.0	917.405	-8.3	40.00	48.605	21.5

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant

5	T Bis(2-chloroethyl)ether	Linear	0.999298	0.000000	1.06309	-0.00192719
8	S Nitrobenzene-d5	Linear	0.999200	0.000000	1.08935	-0.00109788
16	T 2,6-Dinitrotoluene	Linear	0.996396	0.000000	0.144033	-0.000941078
20	T 2,4-Dinitrotoluene	Linear	0.996107	0.000000	0.324272	-0.00248202
24	T 4,6-Dinitro-o-cresol	Quadratic	0.998905	0.015592	0.060779	-0.000430348
26	T Pentachlorophenol	Quadratic	0.999117	0.100733	0.0391671	6.06434e-005
33	T Benzo[a]anthracene	Linear	0.999618	0.000000	1.20978	0.00239601
34	T 3,3'-Dichlorobenzidine	Linear	0.998044	0.000000	0.491897	-0.0031789

Continuing Calibration

Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV125
 Lab File ID : CCV0920
 Sample No : WG2117439-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/20/25 13:46
 Init. Calib. Date(s) : 09/08/25 09/08/25
 Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	70	0
N-Nitrosodimethylamine	0.648	0.744	.05	-14.8	20	78	0
2-Fluorophenol	0.988	1.228	.05	-24.3*	20	81	0
Phenol-d6	1.22	1.482	.05	-21.5*	20	79	0
Bis(2-chloroethyl)ether	1.1	1.169	.05	-6.3	20	71	0
n-nitrosodi-n-propylamine	0.731	0.863	.05	-18.1	20	80	0
Hexachloroethane	0.502	0.514	.05	-2.4	20	72	0
Nitrobenzene-d5	0.974	1.28	.05	-31.4*	20	84	0
Naphthalene-d8	1	1	.05	0	20	71	0
Naphthalene	1.058	1.026	.05	3	20	72	0
Hexachlorobutadiene	0.175	0.189	.05	-8	20	77	0
2-Methylnaphthalene	0.617	0.659	.05	-6.8	20	75	0
1-Methylnaphthalene	0.663	0.678	.05	-2.3	20	74	0
2-Fluorobiphenyl	0.816	0.868	.05	-6.4	20	77	0
2-Chloronaphthalene	0.693	0.716	.05	-3.3	20	74	0
2,6-Dinitrotoluene	0.128	0.172	.05	-34.4*	20	91	0
Acenaphthylene	1.095	1.22	.05	-11.4	20	76	0
Acenaphthene-d10	1	1	.05	0	20	73	0
Acenaphthene	1.279	1.326	.05	-3.7	20	77	0
2,4-Dinitrotoluene	1000	1241.426	.05	-24.1*	20	95	0
Fluorene	1.432	1.577	.05	-10.1	20	80	0
2,4,6-Tribromophenol	0.149	0.24	.05	-61.1*	20	103	0
Phenanthrene-d10	1	1	.05	0	20	84	0
4,6-Dinitro-o-cresol	1000	1102.908	.05	-10.3	20	102	0
Hexachlorobenzene	0.217	0.234	.05	-7.8	20	90	0
Pentachlorophenol	1000	1420.23	.05	-42*	20	136	0
Phenanthrene	1.143	1.128	.05	1.3	20	84	0
Anthracene	1.09	1.127	.05	-3.4	20	86	0
Fluoranthene	1.236	1.349	.05	-9.1	20	91	0
Pyrene	1.268	1.394	.05	-9.9	20	90	0
Benzidine	1000	759.067	.05	24.1*	20	70	0
4-Terphenyl-d14	0.802	0.875	.05	-9.1	20	94	0
Chrysene-d12	1	1	.05	0	20	90	0
Benzo[a]anthracene	1000	1031.628	.05	-3.2	20	93	0
3,3'-Dichlorobenzidine	1000	985.171	.05	1.5	20	92	0
Chrysene	1.27	1.335	.05	-5.1	20	91	0
Bis(2-ethylhexyl)phthalate	1000	1122.812	.05	-12.3	20	106	0
Perylene-d12	1	1	.05	0	20	88	0
Benzo[b]fluoranthene	1.265	1.421	.05	-12.3	20	99	0
Benzo[k]fluoranthene	1.282	1.293	.05	-0.9	20	84	0
Benzo[a]pyrene	1.119	1.212	.05	-8.3	20	90	0
Indeno[1,2,3-cd]pyrene	1.063	1.123	.05	-5.6	20	88	0
Dibenzo[a,h]anthracene	1.054	1.102	.05	-4.6	20	89	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV125
Lab File ID : CCV0920
Sample No : WG2117439-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/20/25 13:46
Init. Calib. Date(s) : 09/08/25 09/08/25
Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.096	1.152	.05	-5.1	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV125
 Lab File ID : CCV0922
 Sample No : WG2117833-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/22/25 07:08
 Init. Calib. Date(s) : 09/08/25 09/08/25
 Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	74	0
N-Nitrosodimethylamine	0.648	0.742	.05	-14.5	20	83	0
2-Fluorophenol	0.988	1.241	.05	-25.6*	20	87	0
Phenol-d6	1.22	1.503	.05	-23.2*	20	85	0
Bis(2-chloroethyl)ether	1.1	1.174	.05	-6.7	20	77	0
n-nitrosodi-n-propylamine	0.731	0.867	.05	-18.6	20	86	0
Hexachloroethane	0.502	0.528	.05	-5.2	20	79	0
Nitrobenzene-d5	0.974	1.33	.05	-36.6*	20	93	0
Naphthalene-d8	1	1	.05	0	20	75	0
Naphthalene	1.058	1.032	.05	2.5	20	76	0
Hexachlorobutadiene	0.175	0.192	.05	-9.7	20	83	0
2-Methylnaphthalene	0.617	0.647	.05	-4.9	20	78	0
1-Methylnaphthalene	0.663	0.658	.05	0.8	20	75	0
2-Fluorobiphenyl	0.816	0.833	.05	-2.1	20	78	0
2-Chloronaphthalene	0.693	0.693	.05	0	20	75	0
2,6-Dinitrotoluene	0.128	0.163	.05	-27.3*	20	90	0
Acenaphthylene	1.095	1.159	.05	-5.8	20	76	0
Acenaphthene-d10	1	1	.05	0	20	72	0
Acenaphthene	1.279	1.329	.05	-3.9	20	75	0
2,4-Dinitrotoluene	1000	1223.826	.05	-22.4*	20	92	0
Fluorene	1.432	1.515	.05	-5.8	20	75	0
2,4,6-Tribromophenol	0.149	0.232	.05	-55.7*	20	97	0
Phenanthrene-d10	1	1	.05	0	20	75	0
4,6-Dinitro-o-cresol	1000	1223.543	.05	-22.4*	20	101	0
Hexachlorobenzene	0.217	0.235	.05	-8.3	20	81	0
Pentachlorophenol	1000	1489.628	.05	-49*	20	128	0
Phenanthrene	1.143	1.145	.05	-0.2	20	76	0
Anthracene	1.09	1.116	.05	-2.4	20	76	0
Fluoranthene	1.236	1.298	.05	-5	20	78	0
Pyrene	1.268	1.339	.05	-5.6	20	77	0
Benzidine	1000	801.825	.05	19.8	20	68	0
4-Terphenyl-d14	0.802	0.817	.05	-1.9	20	79	0
Chrysene-d12	1	1	.05	0	20	79	0
Benzo[a]anthracene	1000	1055.242	.05	-5.5	20	84	0
3,3'-Dichlorobenzidine	1000	1061.071	.05	-6.1	20	88	0
Chrysene	1.27	1.329	.05	-4.6	20	79	0
Bis(2-ethylhexyl)phthalate	1000	1117.035	.05	-11.7	20	92	0
Perylene-d12	1	1	.05	0	20	82	0
Benzo[b]fluoranthene	1.265	1.421	.05	-12.3	20	93	0
Benzo[k]fluoranthene	1.282	1.281	.05	0.1	20	78	0
Benzo[a]pyrene	1.119	1.263	.05	-12.9	20	88	0
Indeno[1,2,3-cd]pyrene	1.063	1.226	.05	-15.3	20	90	0
Dibenzo[a,h]anthracene	1.054	1.153	.05	-9.4	20	87	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV125
Lab File ID : CCV0922
Sample No : WG2117833-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/22/25 07:08
Init. Calib. Date(s) : 09/08/25 09/08/25
Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.096	1.214	.05	-10.8	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV120
 Lab File ID : CCV0923
 Sample No : WG2118575-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/23/25 14:26
 Init. Calib. Date(s) : 09/17/25 09/17/25
 Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	113	0
N-Nitrosodimethylamine	0.589	0.709	.05	-20.4*	20	129	0
2-Fluorophenol	0.916	1.201	.05	-31.1*	20	135	0
Phenol-d6	1.181	1.523	.05	-29*	20	136	0
Bis(2-chloroethyl)ether	1000	1089.614	.05	-9	20	126	0
n-nitrosodi-n-propylamine	0.784	0.885	.05	-12.9	20	123	0
Hexachloroethane	0.503	0.537	.05	-6.8	20	123	0
Nitrobenzene-d5	1000	1077.008	.05	-7.7	20	127	0
Naphthalene-d8	1	1	.05	0	20	113	0
Naphthalene	0.97	0.987	.05	-1.8	20	119	0
Hexachlorobutadiene	0.18	0.192	.05	-6.7	20	121	0
2-Methylnaphthalene	0.565	0.637	.05	-12.7	20	124	0
1-Methylnaphthalene	0.616	0.67	.05	-8.8	20	123	0
2-Fluorobiphenyl	0.768	0.846	.05	-10.2	20	122	0
2-Chloronaphthalene	0.635	0.699	.05	-10.1	20	120	0
2,6-Dinitrotoluene	1000	952.44	.05	4.8	20	119	0
Acenaphthylene	1.114	1.195	.05	-7.3	20	119	0
Acenaphthene-d10	1	1	.05	0	20	104	0
Acenaphthene	1.204	1.338	.05	-11.1	20	117	0
2,4-Dinitrotoluene	1000	986.291	.05	1.4	20	113	0
Fluorene	1.327	1.535	.05	-15.7	20	115	0
2,4,6-Tribromophenol	0.138	0.184	.05	-33.3*	20	127	0
Phenanthrene-d10	1	1	.05	0	20	105	0
4,6-Dinitro-o-cresol	1000	993.48	.05	0.7	20	110	0
Hexachlorobenzene	0.224	0.234	.05	-4.5	20	116	0
Pentachlorophenol	1000	1129.254	.05	-12.9	20	118	0
Phenanthrene	1.017	1.081	.05	-6.3	20	113	0
Anthracene	1.015	1.122	.05	-10.5	20	116	0
Fluoranthene	1.134	1.255	.05	-10.7	20	117	0
Pyrene	1.177	1.297	.05	-10.2	20	114	0
Benzidine	1	0	.05	47*	20	-3.72	
4-Terphenyl-d14	0.791	0.879	.05	-11.1	20	117	0
Chrysene-d12	1	1	.05	0	20	102	0
Benzo[a]anthracene	1000	1086.622	.05	-8.7	20	114	0
3,3'-Dichlorobenzidine	1000	1083.631	.05	-8.4	20	121	0
Chrysene	1.216	1.321	.05	-8.6	20	114	0
Bis(2-ethylhexyl)phthalate	0.634	0.796	.05	-25.6*	20	128	0
Perylene-d12	1	1	.05	0	20	104	0
Benzo[b]fluoranthene	1.041	1.214	.05	-16.6	20	114	0
Benzo[k]fluoranthene	1.157	1.342	.05	-16	20	117	0
Benzo[a]pyrene	0.981	1.177	.05	-20	20	119	0
Indeno[1,2,3-cd]pyrene	0.815	1.033	.05	-26.7*	20	124	0
Dibenzo[a,h]anthracene	0.793	1.061	.05	-33.8*	20	121	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV120
Lab File ID : CCV0923
Sample No : WG2118575-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/23/25 14:26
Init. Calib. Date(s) : 09/17/25 09/17/25
Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	0.929	1.099	.05	-18.3	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV120
 Lab File ID : CCV0924AA
 Sample No : WG2119028-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/24/25 10:01
 Init. Calib. Date(s) : 09/17/25 09/17/25
 Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	84	-.01
N-Nitrosodimethylamine	0.589	0.932	.05	-58.2*	20	126	0
2-Fluorophenol	0.916	1.547	.05	-68.9*	20	129	-.01
Phenol-d6	1.181	1.475	.05	-24.9*	20	98	-.01
Bis(2-chloroethyl)ether	1000	1053.451	.05	-5.3	20	90	-.01
n-nitrosodi-n-propylamine	0.784	0.86	.05	-9.7	20	89	-.01
Hexachloroethane	0.503	0.533	.05	-6	20	91	-.01
Nitrobenzene-d5	1000	1051.666	.05	-5.2	20	92	-.01
Naphthalene-d8	1	1	.05	0	20	82	0
Naphthalene	0.97	0.994	.05	-2.5	20	87	0
Hexachlorobutadiene	0.18	0.204	.05	-13.3	20	94	0
2-Methylnaphthalene	0.565	0.637	.05	-12.7	20	90	0
1-Methylnaphthalene	0.616	0.673	.05	-9.3	20	90	0
2-Fluorobiphenyl	0.768	0.857	.05	-11.6	20	89	0
2-Chloronaphthalene	0.635	0.701	.05	-10.4	20	87	0
2,6-Dinitrotoluene	1000	902.215	.05	9.8	20	82	0
Acenaphthylene	1.114	1.185	.05	-6.4	20	86	0
Acenaphthene-d10	1	1	.05	0	20	76	0
Acenaphthene	1.204	1.329	.05	-10.4	20	85	0
2,4-Dinitrotoluene	1000	946.174	.05	5.4	20	80	0
Fluorene	1.327	1.512	.05	-13.9	20	83	0
2,4,6-Tribromophenol	0.138	0.18	.05	-30.4*	20	91	0
Phenanthrene-d10	1	1	.05	0	20	75	0
4,6-Dinitro-o-cresol	1000	933.869	.05	6.6	20	73	0
Hexachlorobenzene	0.224	0.247	.05	-10.3	20	87	0
Pentachlorophenol	1000	1269.598	.05	-27*	20	99	0
Phenanthrene	1.017	1.108	.05	-8.9	20	82	0
Anthracene	1.015	1.139	.05	-12.2	20	83	0
Fluoranthene	1.134	1.284	.05	-13.2	20	84	0
Pyrene	1.177	1.347	.05	-14.4	20	84	0
Benzidine	1	0	.05	31*	20	-3.71	
4-Terphenyl-d14	0.791	0.923	.05	-16.7	20	87	.01
Chrysene-d12	1	1	.05	0	20	78	.03
Benzo[a]anthracene	1000	1088.357	.05	-8.8	20	87	.02
3,3'-Dichlorobenzidine	1000	1070.758	.05	-7.1	20	91	.02
Chrysene	1.216	1.3	.05	-6.9	20	85	.03
Bis(2-ethylhexyl)phthalate	0.634	0.777	.05	-22.6*	20	95	.03
Perylene-d12	1	1	.05	0	20	81	.02
Benzo[b]fluoranthene	1.041	1.222	.05	-17.4	20	90	.03
Benzo[k]fluoranthene	1.157	1.317	.05	-13.8	20	90	.02
Benzo[a]pyrene	0.981	1.176	.05	-19.9	20	93	.02
Indeno[1,2,3-cd]pyrene	0.815	1.224	.05	-50.2*	20	115	0
Dibenzo[a,h]anthracene	0.793	1.307	.05	-64.8*	20	117	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV120
Lab File ID : CCV0924AA
Sample No : WG2119028-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/24/25 10:01
Init. Calib. Date(s) : 09/17/25 09/17/25
Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	0.929	1.335	.05	-43.7*	20	111	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250920RVT\
 Data File : ccv0920.D
 Acq On : 20 Sep 2025 01:46 pm
 Operator : SV125:rp
 Sample : WG2117439-3,32,,ICV 11696 (0920)
 Misc : WG2117439,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 20 14:12:47 2025
 Quant Method : I:\8270SIM\SV125\250920RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 20 14:13:28 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	70	0.00
2 T	N-Nitrosodimethylamine	0.648	0.744	-14.8	78	0.00
3 s	2-Fluorophenol	0.988	1.228	-24.3#	81	0.00
4 s	Phenol-d6	1.220	1.482	-21.5#	79	0.00
5 T	Bis(2-chloroethyl)ether	1.100	1.169	-6.3	71	0.00
6 T	n-nitrosodi-n-propylamine	0.731	0.863	-18.1	80	0.00
7 t	Hexachloroethane	0.502	0.514	-2.4	72	0.00
8 s	Nitrobenzene-d5	0.974	1.280	-31.4#	84	0.00
9 i	Naphthalene-d8	1.000	1.000	0.0	71	0.00
10 t	Naphthalene	1.058	1.026	3.0	72	0.00
11 t	Hexachlorobutadiene	0.175	0.189	-8.0	77	0.00
12 t	2-Methylnaphthalene	0.617	0.659	-6.8	75	0.00
13 t	1-Methylnaphthalene	0.663	0.678	-2.3	74	0.00
14 s	2-Fluorobiphenyl	0.816	0.868	-6.4	77	0.00
15 t	2-Chloronaphthalene	0.693	0.716	-3.3	74	0.00
16 t	2,6-Dinitrotoluene	0.128	0.172	-34.4#	91	0.00
17 t	Acenaphthylene	1.095	1.220	-11.4	76	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	73	0.00
19 t	Acenaphthene	1.279	1.326	-3.7	77	0.00
20 t	2,4-Dinitrotoluene	*1000.000	1241.426	-24.1#	95	0.00
21 t	Fluorene	1.432	1.577	-10.1	80	0.00
22 s	2,4,6-Tribromophenol	0.149	0.240	-61.1#	103	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	1102.908	-10.3	102	0.00
25 t	Hexachlorobenzene	0.217	0.234	-7.8	90	0.00
26 t	Pentachlorophenol	*1000.000	1420.230	-42.0#	136	0.00
27 t	Phenanthrene	1.143	1.128	1.3	84	0.00
28 t	Anthracene	1.090	1.127	-3.4	86	0.00
29 t	Fluoranthene	1.236	1.349	-9.1	91	0.00
30 t	Pyrene	1.268	1.394	-9.9	90	0.00
31 T	Benzidine	*1000.000	759.067	24.1#	70	0.00
32 s	4-Terphenyl-d14	0.802	0.875	-9.1	94	0.00
33 i	Chrysene-d12	1.000	1.000	0.0	90	0.00
34 t	Benzo[a]anthracene	*1000.000	1031.628	-3.2	93	0.00
35 t	3,3'-Dichlorobenzidine	*1000.000	985.171	1.5	92	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250920RVT\
 Data File : ccv0920.D
 Acq On : 20 Sep 2025 01:46 pm
 Operator : SV125:rp
 Sample : WG2117439-3,32,,ICV 11696 (0920)
 Misc : WG2117439,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 20 14:12:47 2025
 Quant Method : I:\8270SIM\SV125\250920RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 20 14:13:28 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Chrysene	1.270	1.335	-5.1	91	0.00
37 T	Bis(2-ethylhexyl)phthalate	*1000.000	1122.812	-12.3	106	0.00
38 i	Perylene-d12	1.000	1.000	0.0	88	0.00
39 t	Benzo[b]fluoranthene	1.265	1.421	-12.3	99	0.00
40 t	Benzo[k]fluoranthene	1.282	1.293	-0.9	84	0.00
41 t	Benzo[a]pyrene	1.119	1.212	-8.3	90	0.00
42 t	Indeno[1,2,3-cd]pyrene	1.063	1.123	-5.6	88	0.00
43 t	Dibenzo[a,h]anthracene	1.054	1.102	-4.6	89	0.00
44 t	Benzo[g,h,i]perylene	1.096	1.152	-5.1	89	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250920RVT\
 Data File : ccv0920.D
 Acq On : 20 Sep 2025 01:46 pm
 Operator : SV125:rp
 Sample : WG2117439-3,32,,ICV 11696 (0920)
 Misc : WG2117439,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 20 14:12:47 2025
 Quant Method : I:\8270SIM\SV125\250920RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 20 14:13:28 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.311	152	224518	4000.000	ng/ml	0.00
9) Naphthalene-d8	2.972	136	902324	4000.000	ng/ml	0.00
18) Acenaphthene-d10	3.949	164	528079	4000.000	ng/ml	0.00
23) Phenanthrene-d10	4.786	188	1167456	4000.000	ng/ml	0.00
33) Chrysene-d12	6.340	240	1056075	4000.000	ng/ml	0.00
38) Perylene-d12	7.442	264	1005911	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.713	112	68899	1242.724	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	62.14%		
4) Phenol-d6	2.124	99	83201	1214.714	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	60.74%		
8) Nitrobenzene-d5	2.589	82	71849	1313.612	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	131.36%#		
14) 2-Fluorobiphenyl	3.573	172	195719	1062.852	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	106.29%		
22) 2,4,6-Tribromophenol	4.391	330	31624	1610.748	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	80.54%		
32) 4-Terphenyl-d14	5.712	244	255240	1090.935	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	109.09%		
Target Compounds						
					Qvalue	
2) N-Nitrosodimethylamine	1.213	74	41737	1147.399	ng/mL	98
5) Bis(2-chloroethyl)ether	2.177	93	65625	1062.646	ng/ml	96
6) n-nitrosodi-n-propylamine	2.515	70	48425	1180.106	ng/ml	94
7) Hexachloroethane	2.570	117	28846	1023.979	ng/ml	94
10) Naphthalene	2.984	128	231418	969.885	ng/ml	100
11) Hexachlorobutadiene	3.061	225	42601	1077.682	ng/ml	100
12) 2-Methylnaphthalene	3.365	142	148679	1067.653	ng/ml	99
13) 1-Methylnaphthalene	3.418	142	152843	1021.582	ng/ml	99
15) 2-Chloronaphthalene	3.633	162	161518	1033.457	ng/ml	98
16) 2,6-Dinitrotoluene	3.833	165	38891	1348.046	ng/ml	95
17) Acenaphthylene	3.867	152	275267	1114.010	ng/ml	100
19) Acenaphthene	3.967	153	175071	1036.980	ng/ml	98
20) 2,4-Dinitrotoluene	4.059	165	55482	1241.426	ng/ml	97
21) Fluorene	4.256	166	208192	1101.229	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.286	198	29296	1102.908	ng/ml	97
25) Hexachlorobenzene	4.573	284	68343	1078.222	ng/ml	97
26) Pentachlorophenol	4.683	266	32537	1420.230	ng/ml	99
27) Phenanthrene	4.798	178	329108	986.944	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250920RVT\
 Data File : ccv0920.D
 Acq On : 20 Sep 2025 01:46 pm
 Operator : SV125:rp
 Sample : WG2117439-3,32,,ICV 11696 (0920)
 Misc : WG2117439,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 20 14:12:47 2025
 Quant Method : I:\8270SIM\SV125\250920RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 20 14:13:28 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28)	Anthracene	4.824	178	328983	1034.162	ng/ml	100
29)	Fluoranthene	5.478	202	393749	1091.866	ng/ml	99
30)	Pyrene	5.608	202	406836	1099.168	ng/ml	100
31)	Benzidine	5.561	184	98672	759.067	ng/mL	100
34)	Benzo[a]anthracene	6.332	226	104878	1031.628	ng/ml	99
35)	3,3'-Dichlorobenzidine	6.324	252	134257	985.171	ng/ml	99
36)	Chrysene	6.354	228	352448	1050.954	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.378	149	220104	1122.812	ng/ml	98
39)	Benzo[b]fluoranthene	7.102	252	357423	1123.219	ng/ml	95
40)	Benzo[k]fluoranthene	7.124	252	325224	1008.593	ng/ml	95
41)	Benzo[a]pyrene	7.385	252	304704	1083.246	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.563	276	282506	1057.015	ng/ml	97
43)	Dibenzo[a,h]anthracene	8.601	278	277240M6	1046.212	ng/ml	
44)	Benzo[g,h,i]perylene	8.879	276	289678	1051.369	ng/ml	99

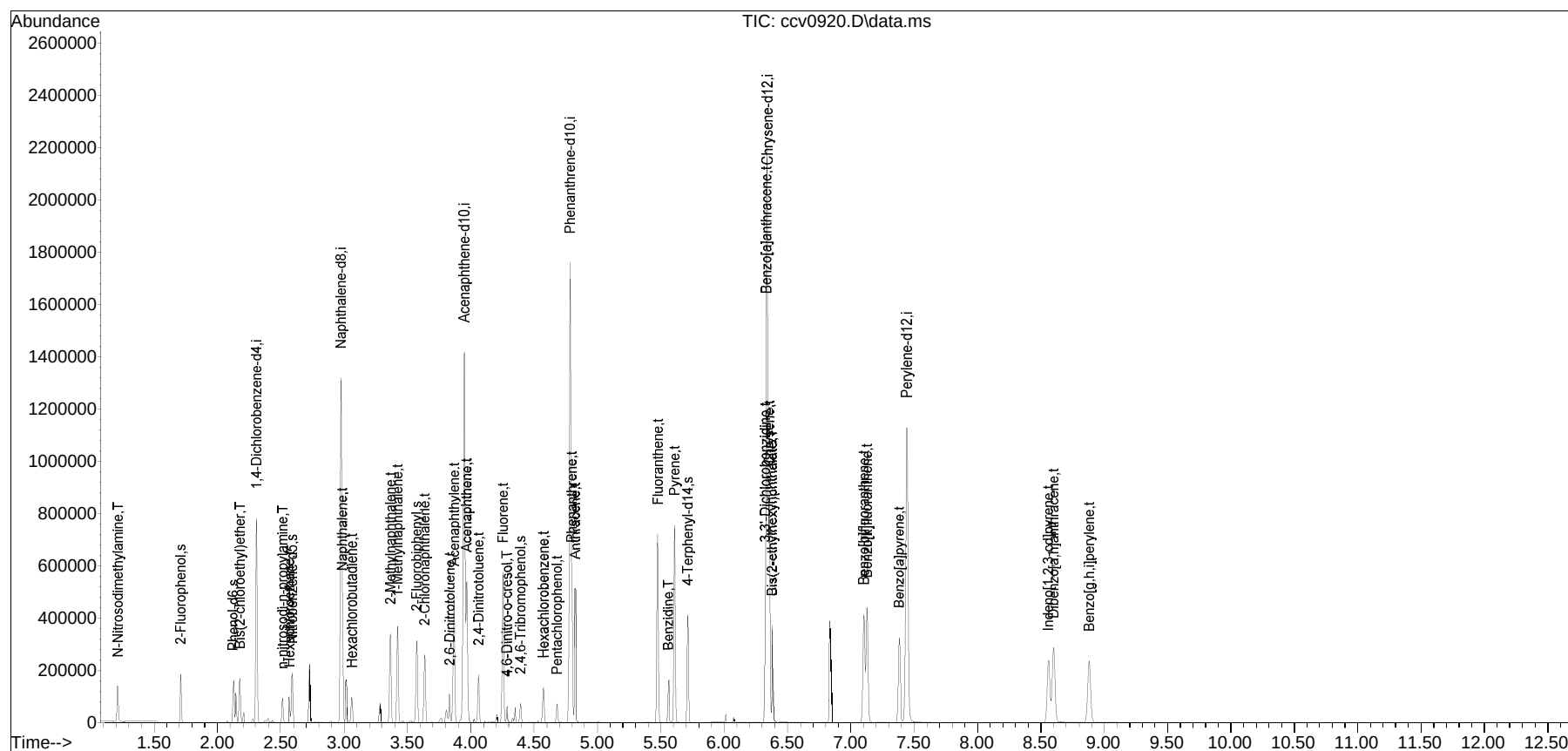
(#) = qualifier out of range (m) = manual integration (+) = signals summed

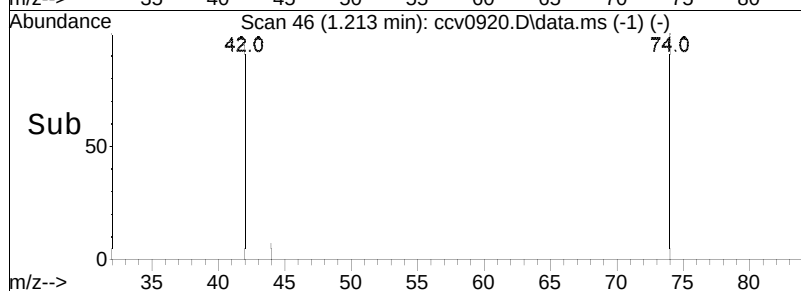
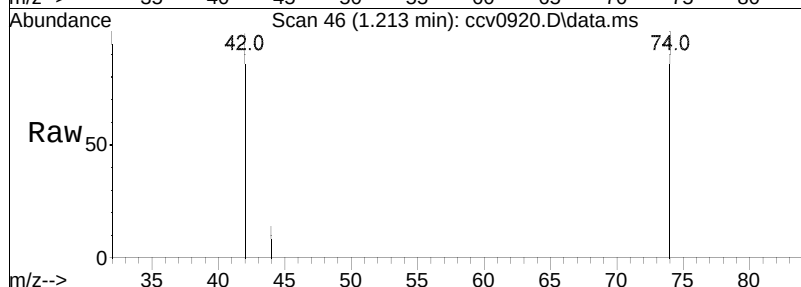
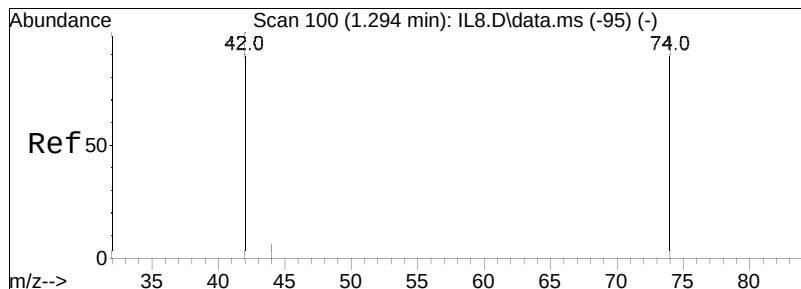
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250920RVT\
 Data File : ccv0920.D
 Acq On : 20 Sep 2025 01:46 pm
 Operator : SV125:rp
 Sample : WG2117439-3,32,,ICV 11696 (0920)
 Misc : WG2117439,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 20 14:12:47 2025
 Quant Method : I:\8270SIM\SV125\250920RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 20 14:13:28 2025
 Response via : Initial Calibration

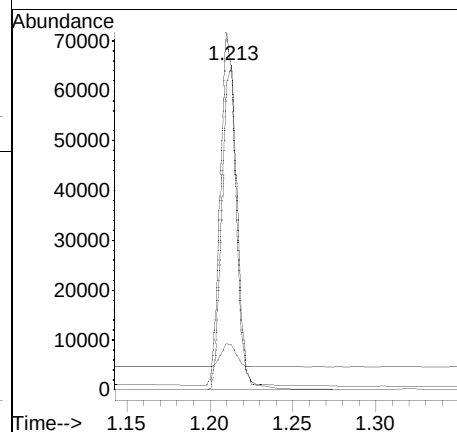
Sub List : Default - All compounds listed

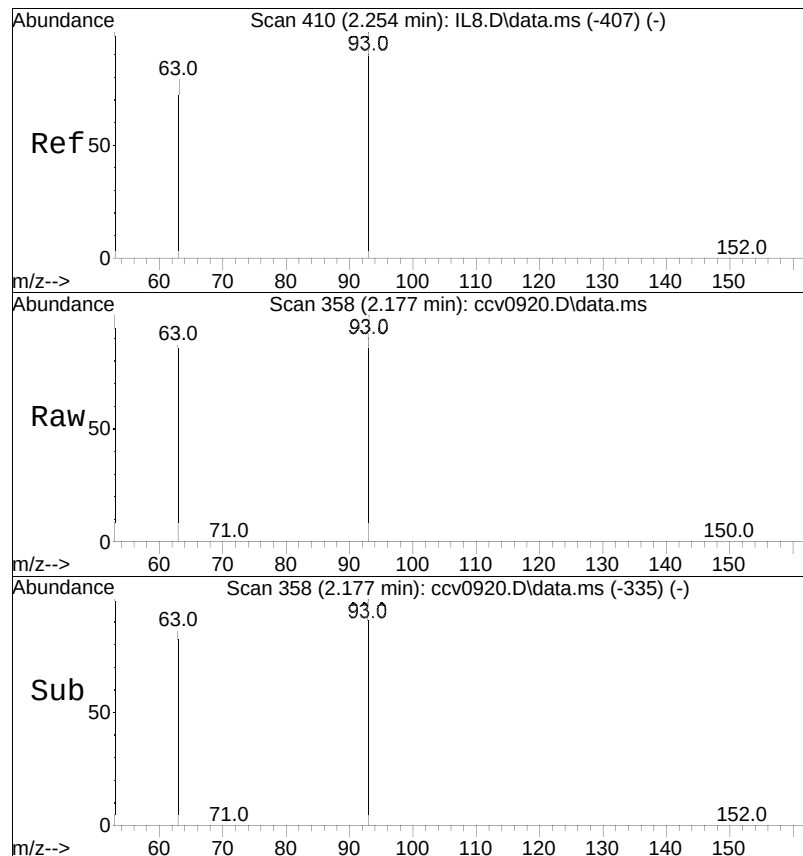




#2
 N-Nitrosodimethylamine
 Concen: 1147.40 ng/mL
 RT: 1.213 min Scan# 46
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

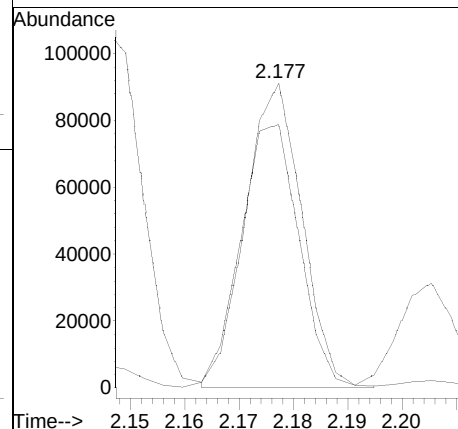
Tgt Ion: 74 Resp: 41737
 Ion Ratio Lower Upper
 74 100
 42 106.1 86.9 130.3
 44 7.0 5.8 8.8

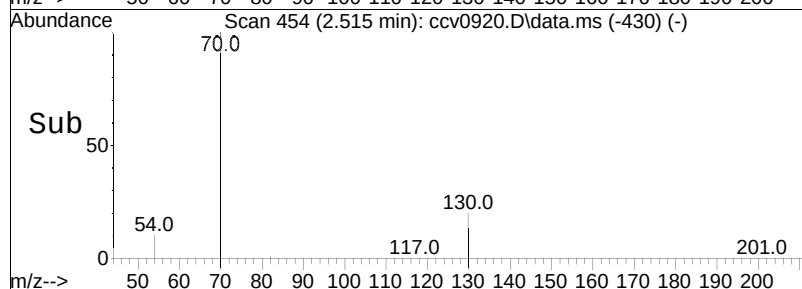
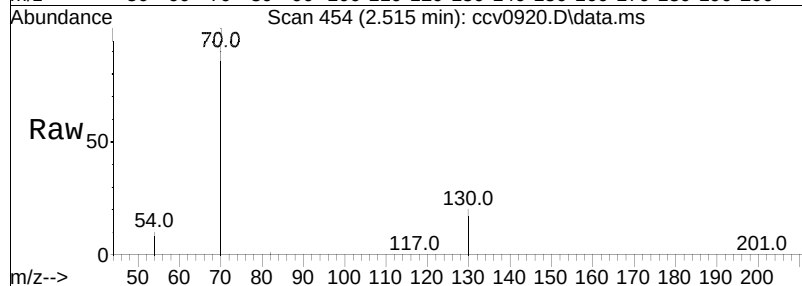
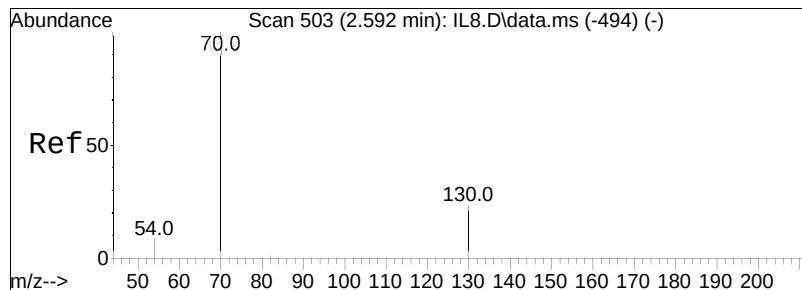




#5
 Bis(2-chloroethyl)ether
 Concen: 1062.65 ng/ml
 RT: 2.177 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

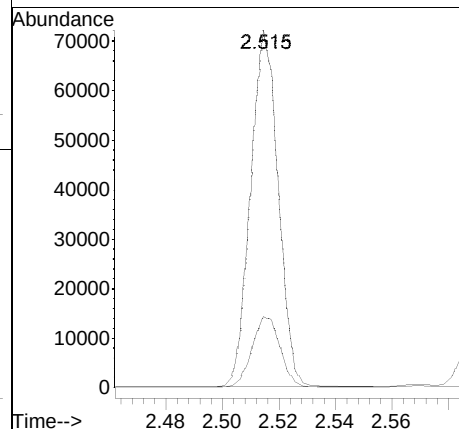
Tgt Ion	Ratio	Lower	Upper
93	100		
63	89.8	68.6	103.0

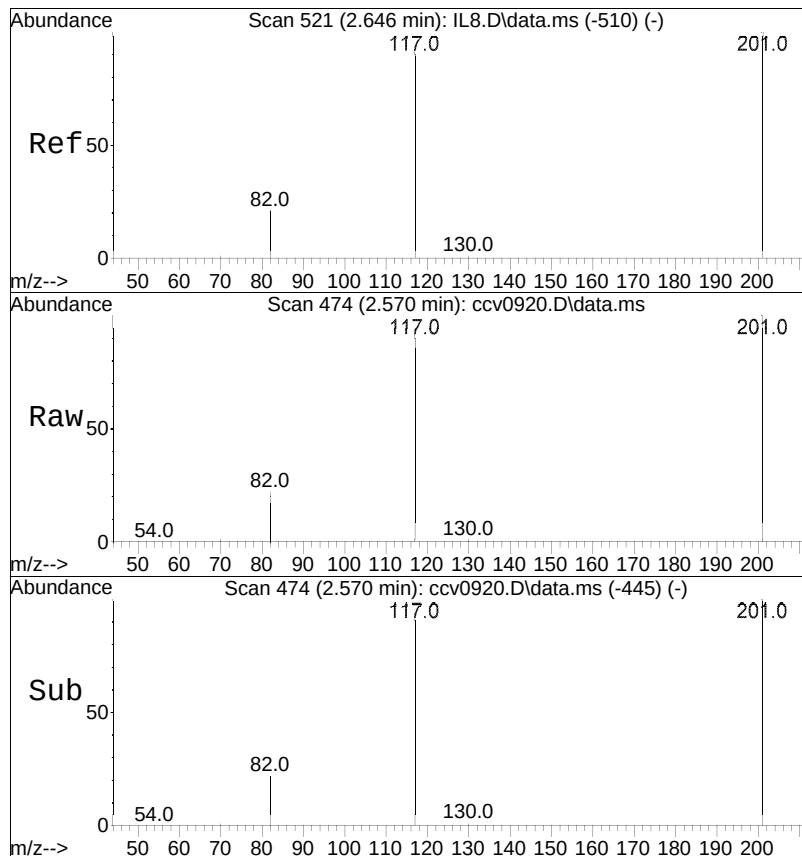




#6
 n-nitrosodi-n-propylamine
 Concen: 1180.11 ng/ml
 RT: 2.515 min Scan# 454
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

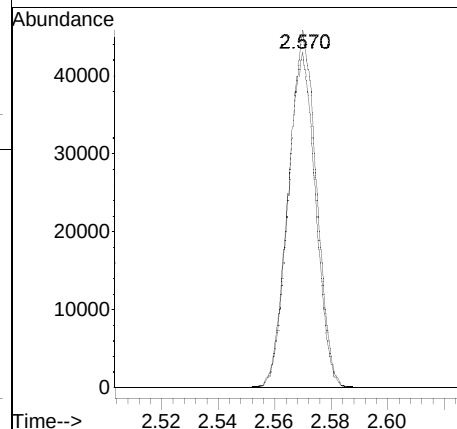
Tgt Ion	Ratio	Lower	Upper
70	100		
130	20.2	18.4	27.6

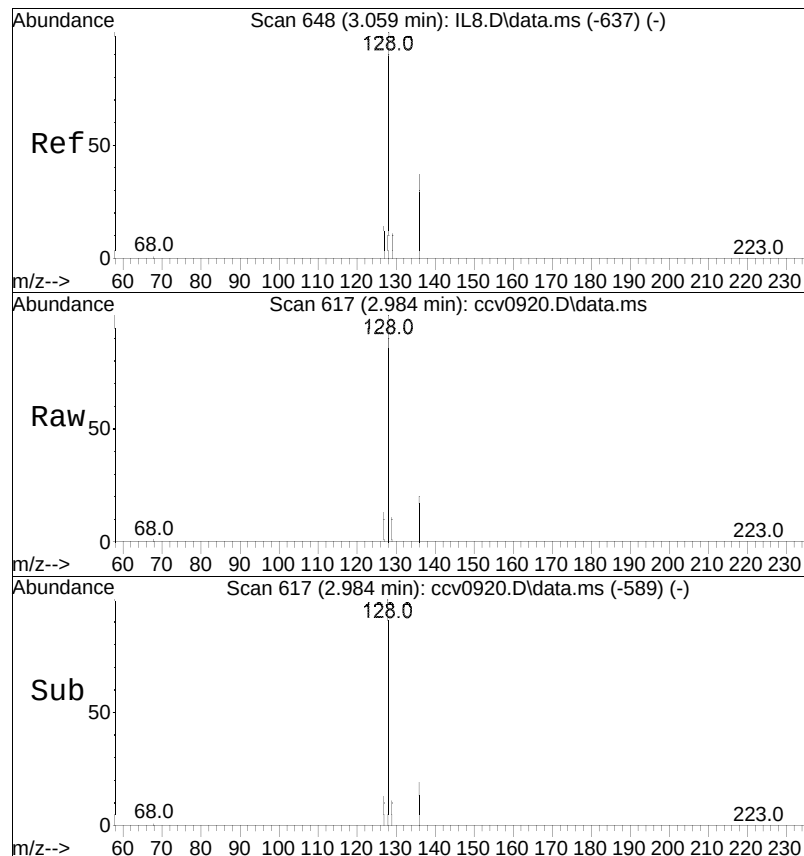




#7
 Hexachloroethane
 Concen: 1023.98 ng/ml
 RT: 2.570 min Scan# 474
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

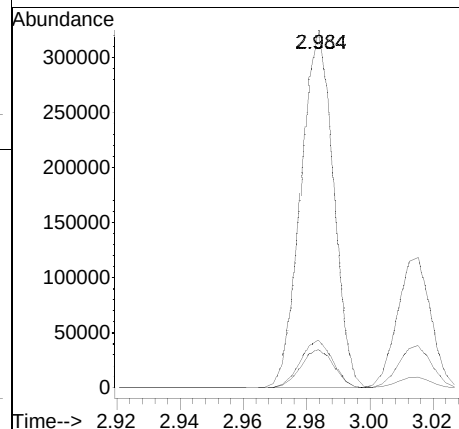
Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.9	80.2	120.2

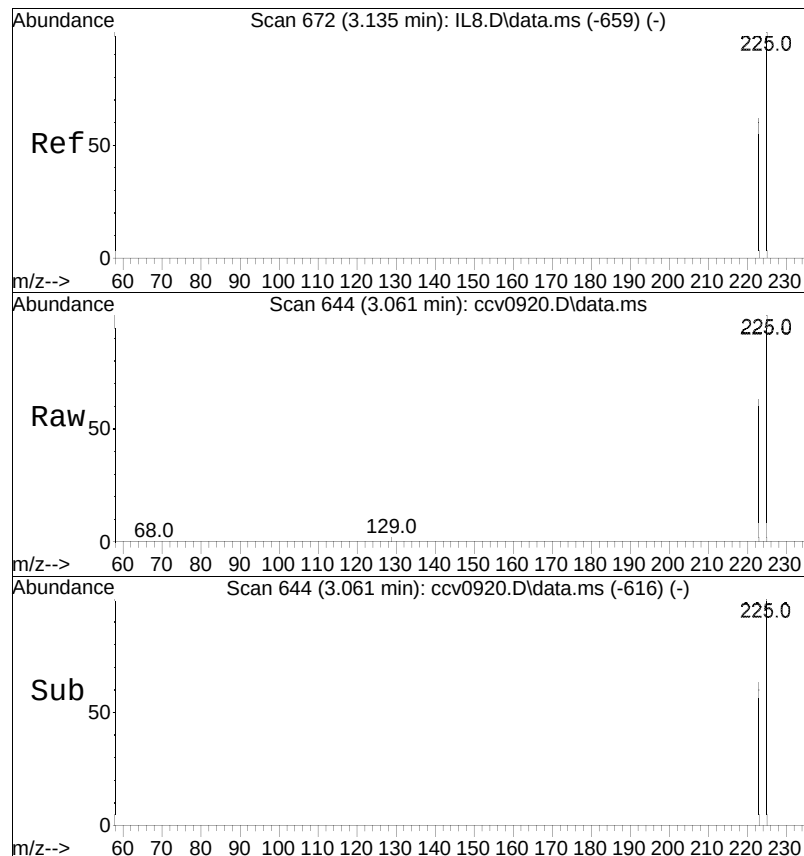




#10
 Naphthalene
 Concen: 969.89 ng/ml
 RT: 2.984 min Scan# 617
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

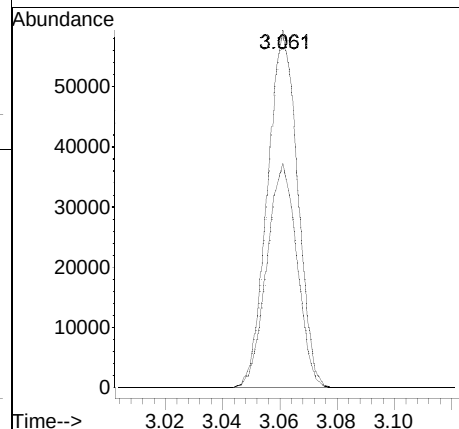
Tgt	Ion	128	Resp:	231418
Ion	Ratio	Lower	Upper	
128	100			
129	11.0	8.8	13.2	
127	13.4	10.6	15.8	

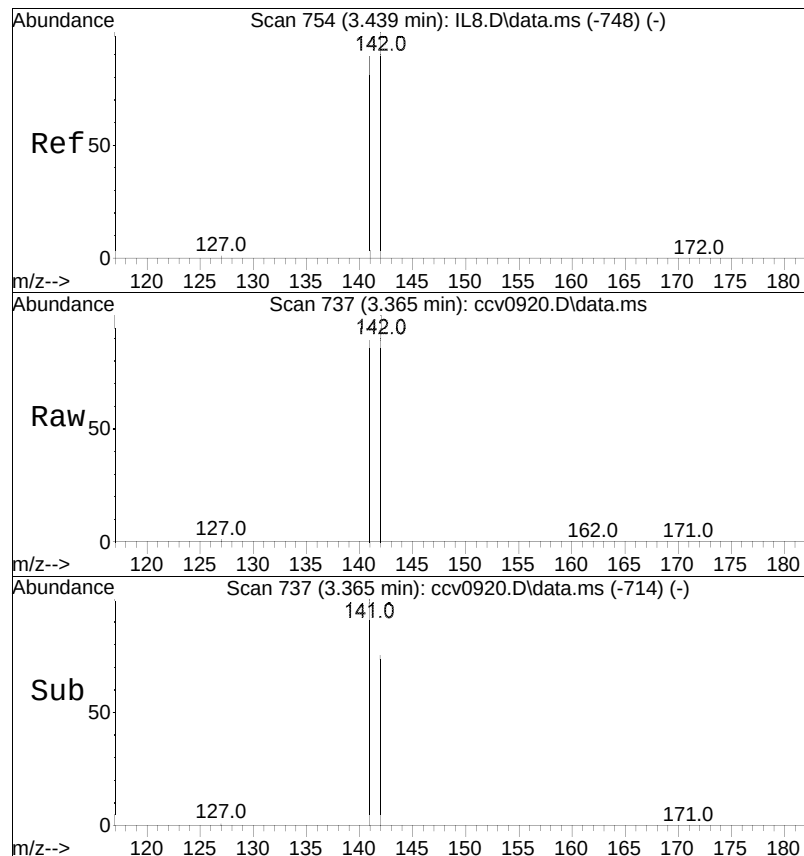




#11
 Hexachlorobutadiene
 Concen: 1077.68 ng/ml
 RT: 3.061 min Scan# 644
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

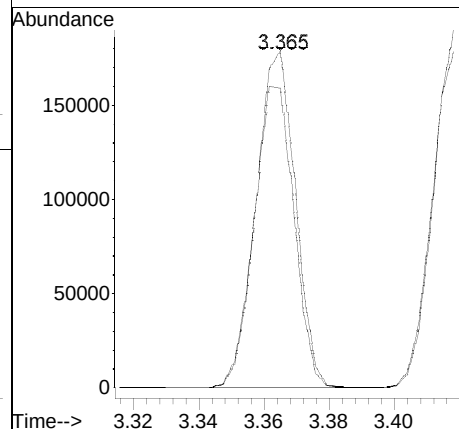
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	75.8

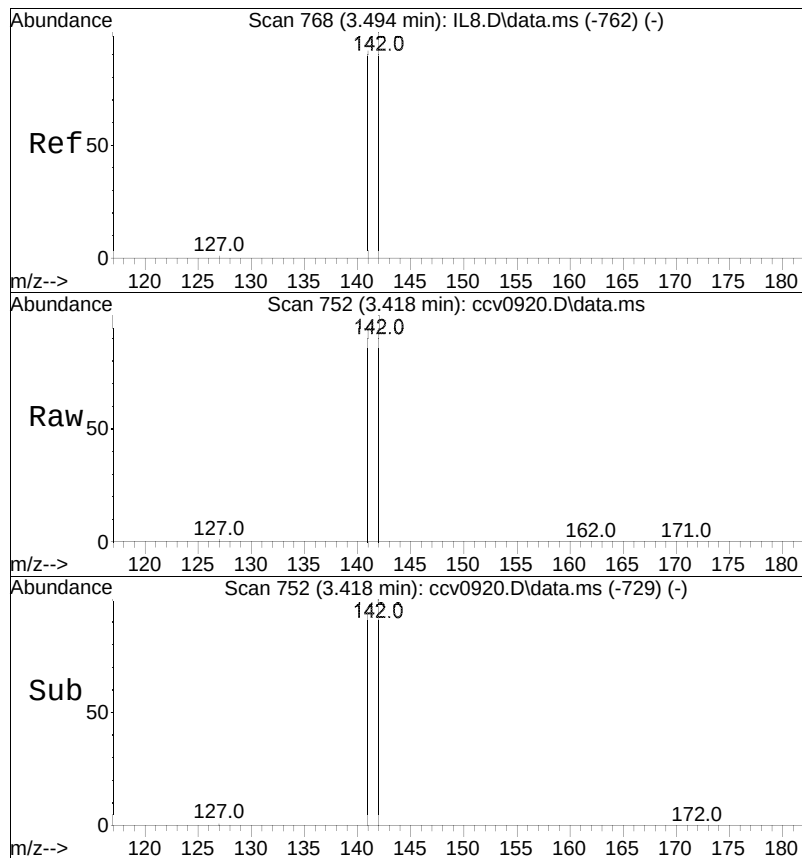




#12
 2-Methylnaphthalene
 Concen: 1067.65 ng/ml
 RT: 3.365 min Scan# 737
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

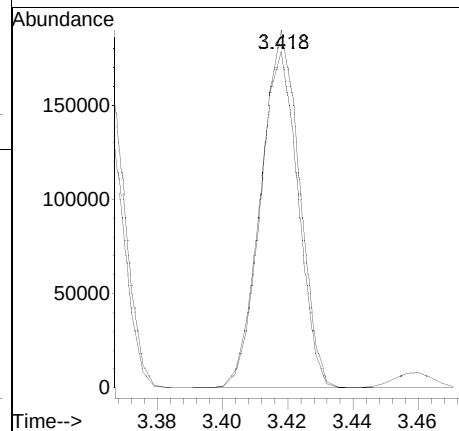
Tgt Ion:	142	Resp:	148679
Ion Ratio	Lower	Upper	
142	100		
141	91.5	74.2	111.4

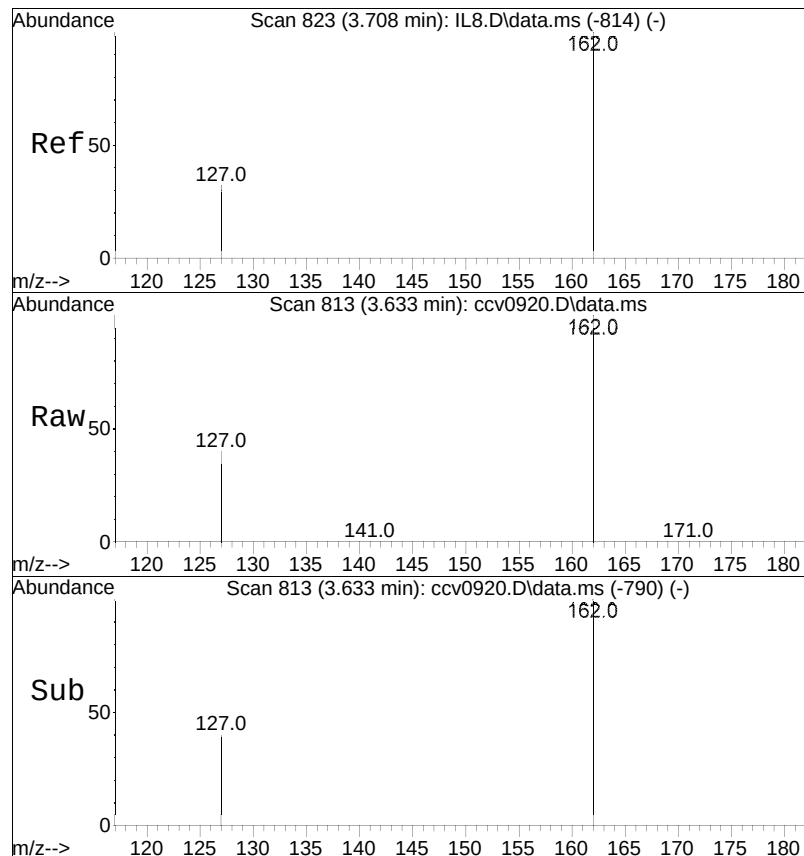




#13
 1-Methylnaphthalene
 Concen: 1021.58 ng/ml
 RT: 3.418 min Scan# 752
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

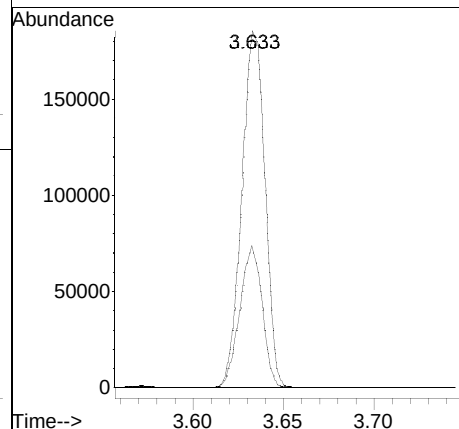
Tgt Ion:	142	Resp:	152843
Ion Ratio	Lower	Upper	
142	100		
141	94.6	76.3	114.5

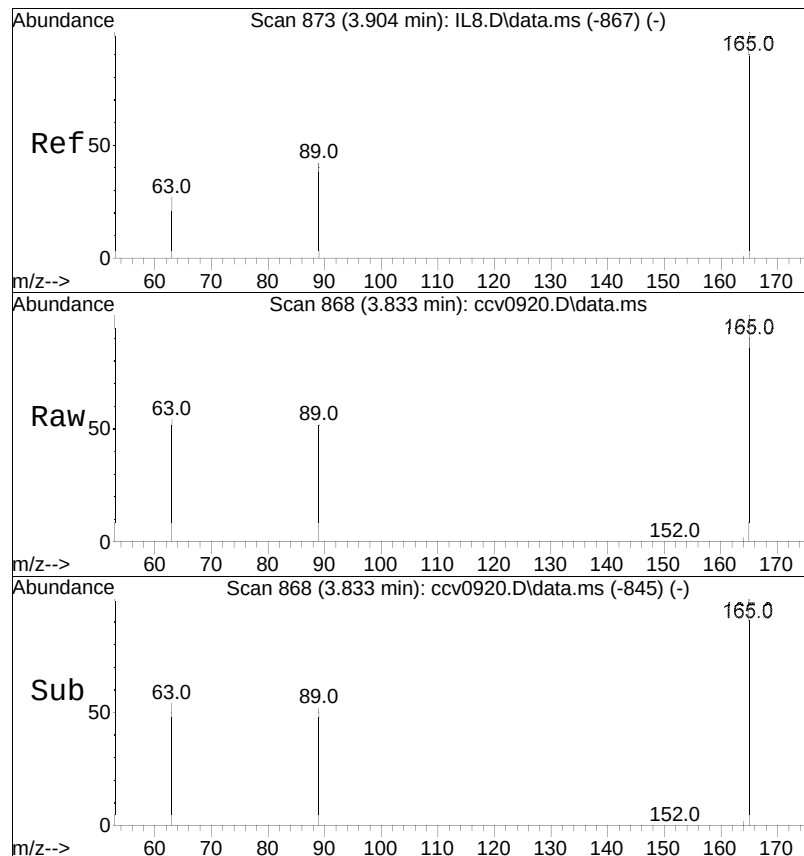




#15
 2-Chloronaphthalene
 Concen: 1033.46 ng/ml
 RT: 3.633 min Scan# 813
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

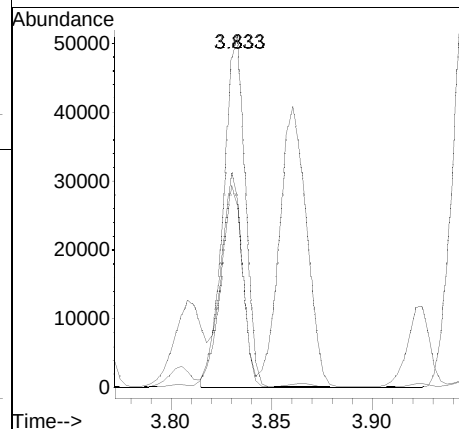
Tgt Ion:	162	Resp:	161518
Ion Ratio	Lower	Upper	
162	100		
127	38.7	30.0	45.0

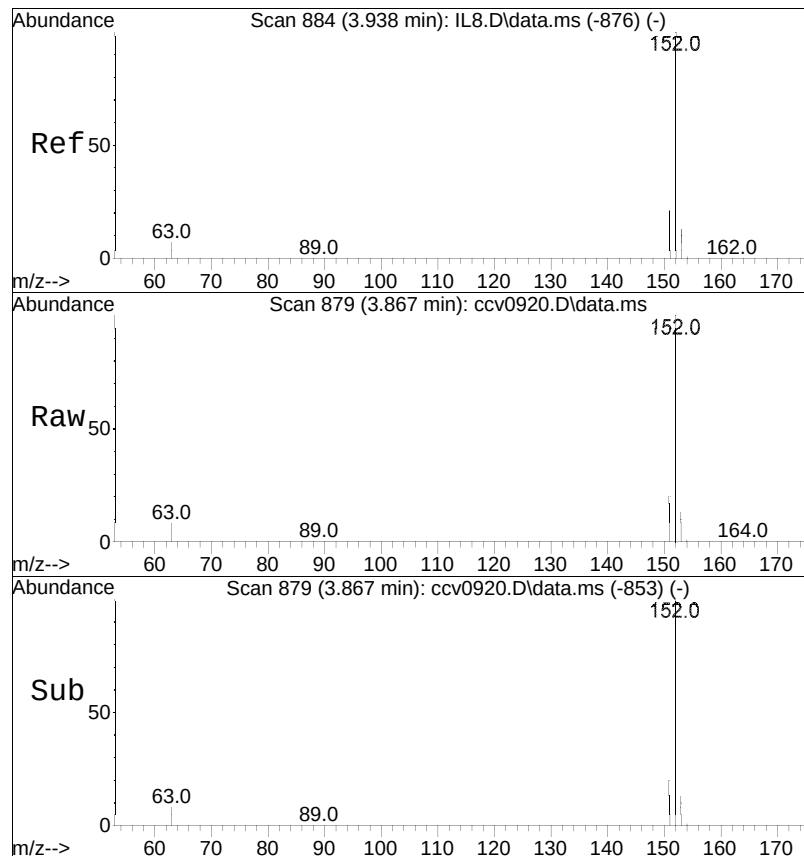




#16
 2,6-Dinitrotoluene
 Concen: 1348.05 ng/ml
 RT: 3.833 min Scan# 868
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

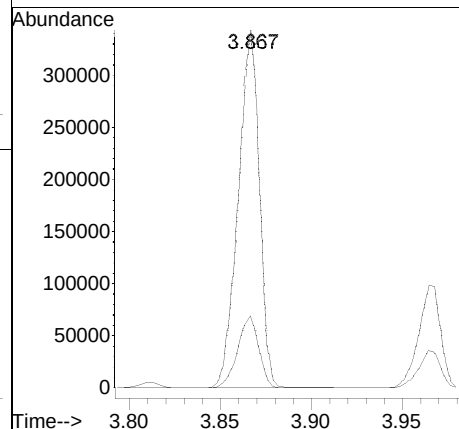
Tgt Ion:	165	Resp:	38891
Ion Ratio	Lower	Upper	
165	100		
89	57.0	43.1	64.7
63	58.6	43.4	65.2

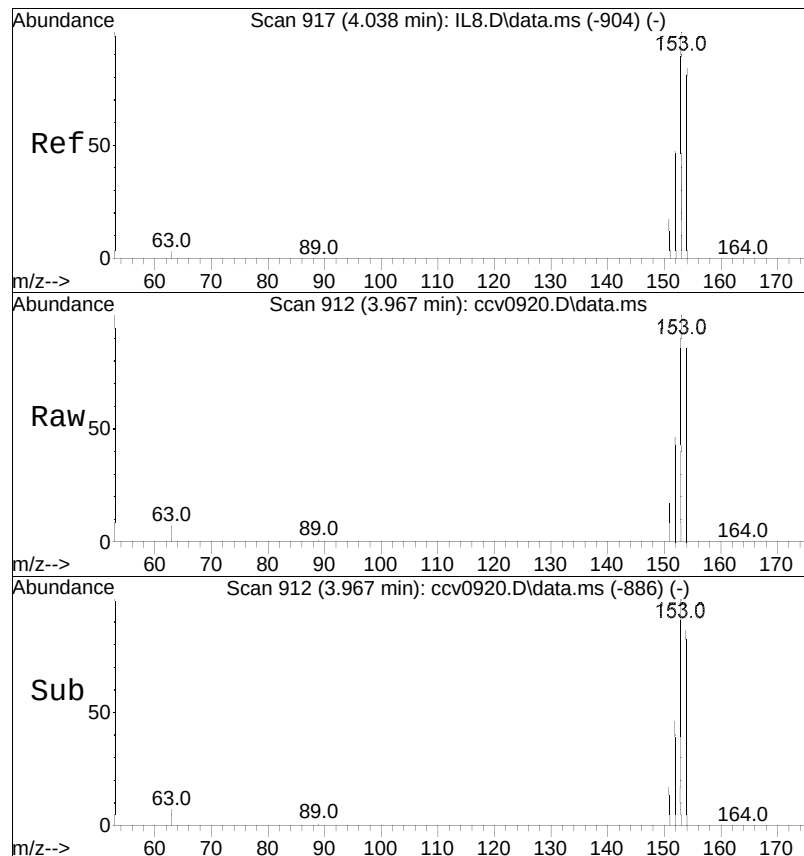




#17
 Acenaphthylene
 Concen: 1114.01 ng/ml
 RT: 3.867 min Scan# 879
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

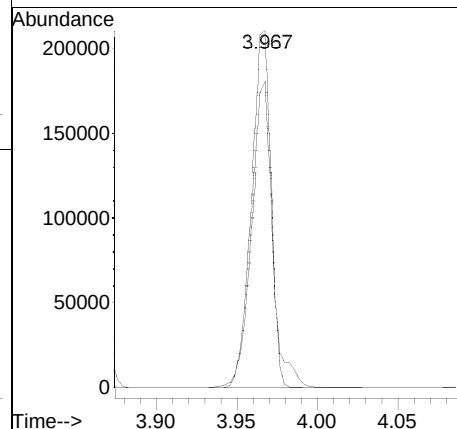
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1

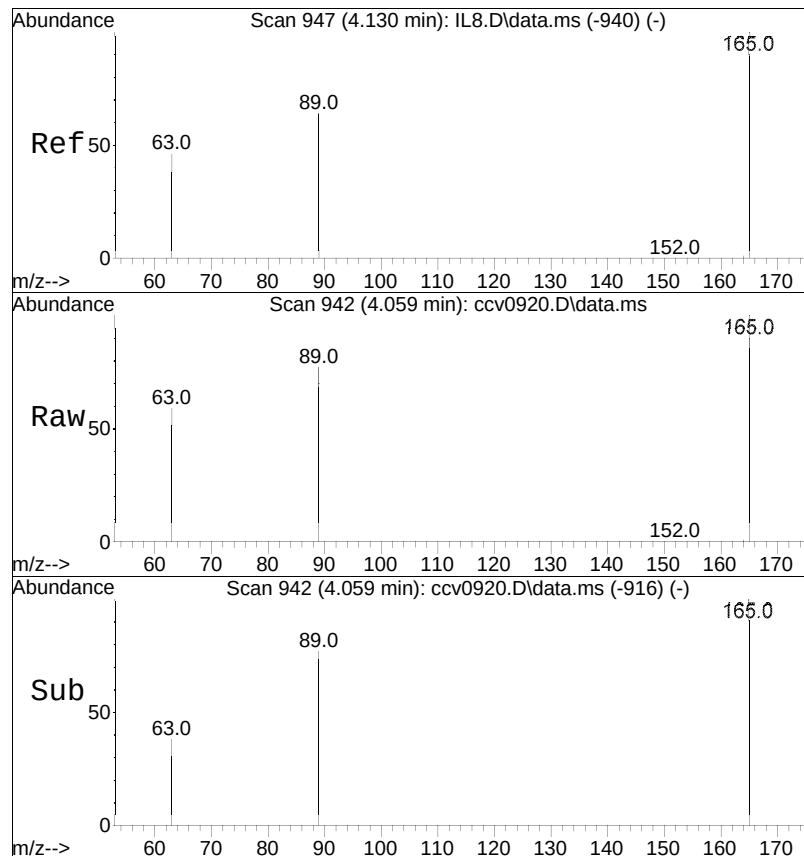




#19
 Acenaphthene
 Concen: 1036.98 ng/ml
 RT: 3.967 min Scan# 912
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

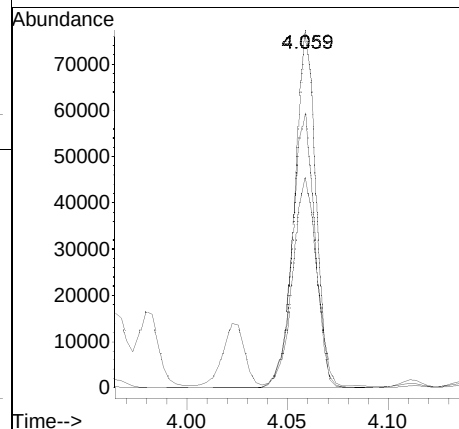
Tgt	Ion:153	Resp:	175071
Ion	Ratio	Lower	Upper
153	100		
154	92.3	72.2	108.4

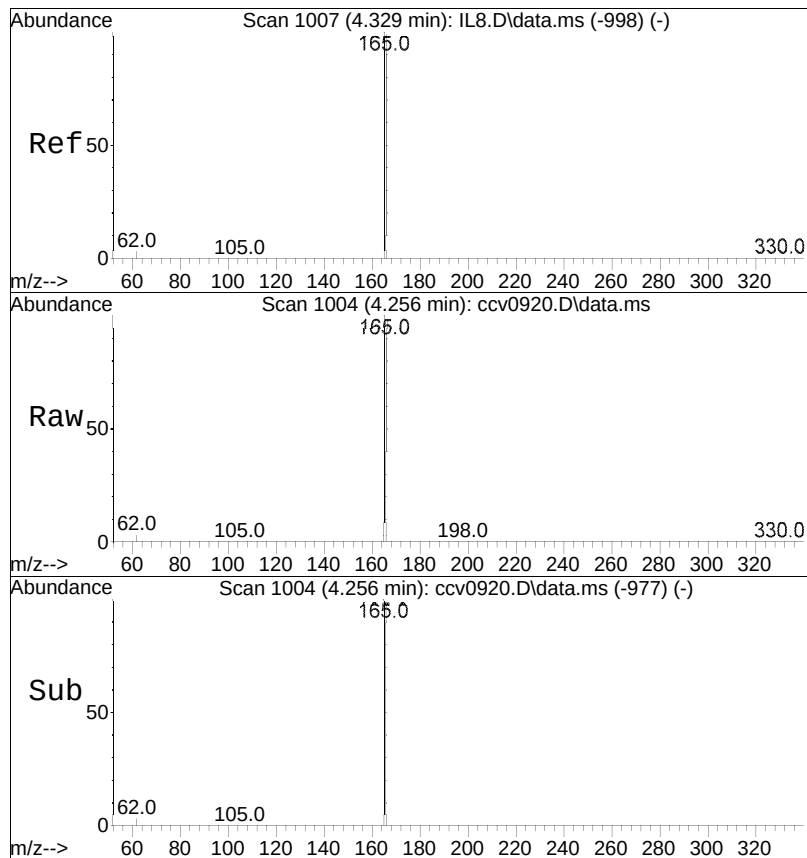




#20
 2,4-Dinitrotoluene
 Concen: 1241.43 ng/ml
 RT: 4.059 min Scan# 942
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

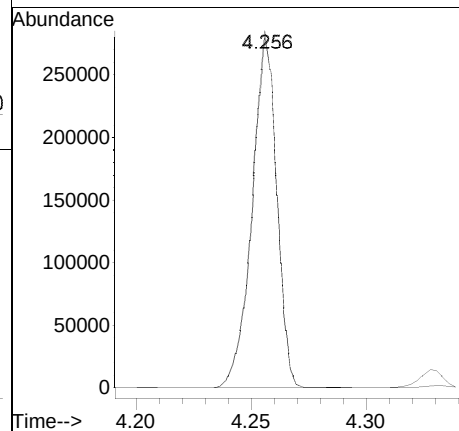
Tgt	Ion:165	Resp:	55482
Ion	Ratio	Lower	Upper
165	100		
89	82.3	62.5	93.7
63	66.4	53.8	80.6

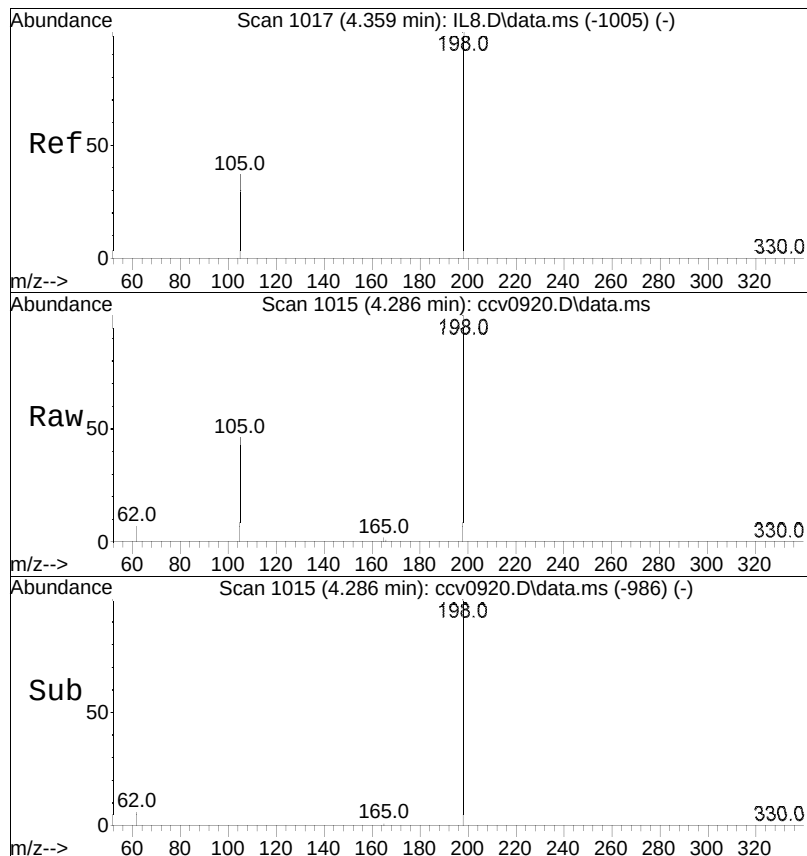




#21
 Fluorene
 Concen: 1101.23 ng/ml
 RT: 4.256 min Scan# 1004
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

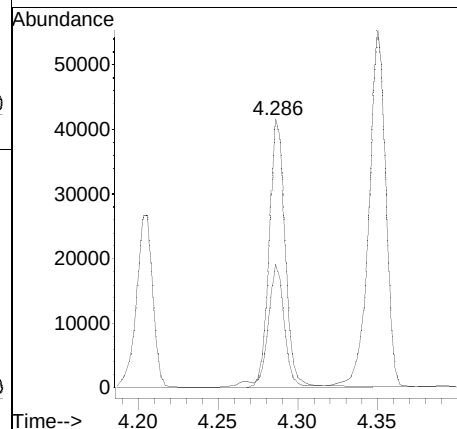
Tgt	Ion	Ratio	Lower	Upper
166	100			
165	101.6	81.5	122.3	

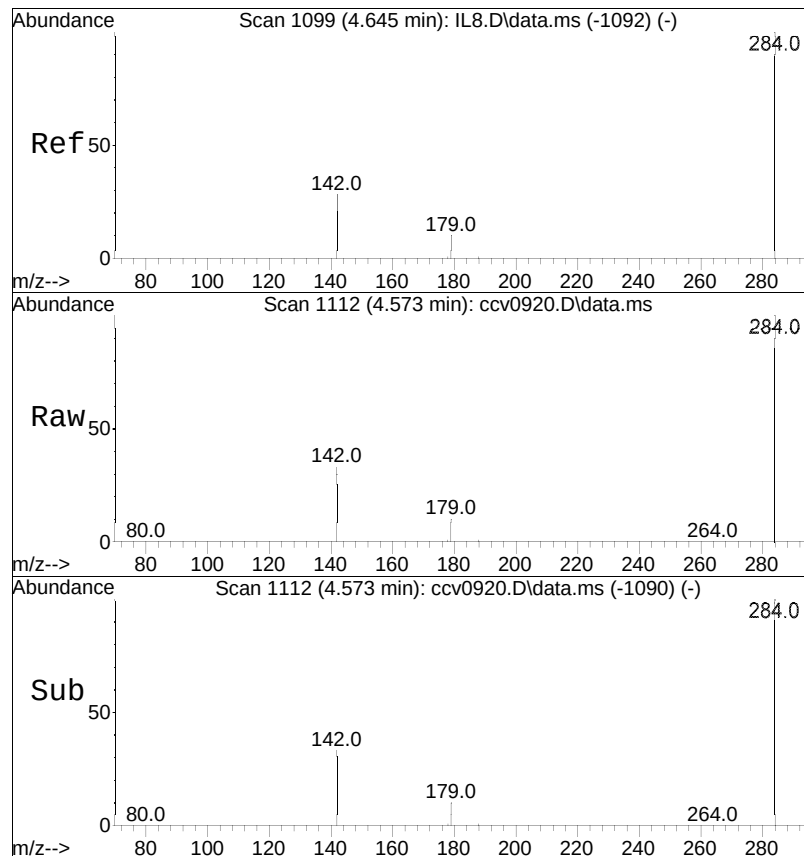




#24
 4,6-Dinitro-o-cresol
 Concen: 1102.91 ng/ml
 RT: 4.286 min Scan# 1015
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

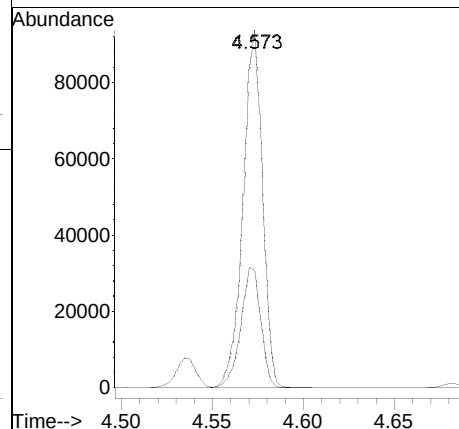
Tgt Ion	Ratio	Lower	Upper
198	100		
105	42.5	35.4	53.0

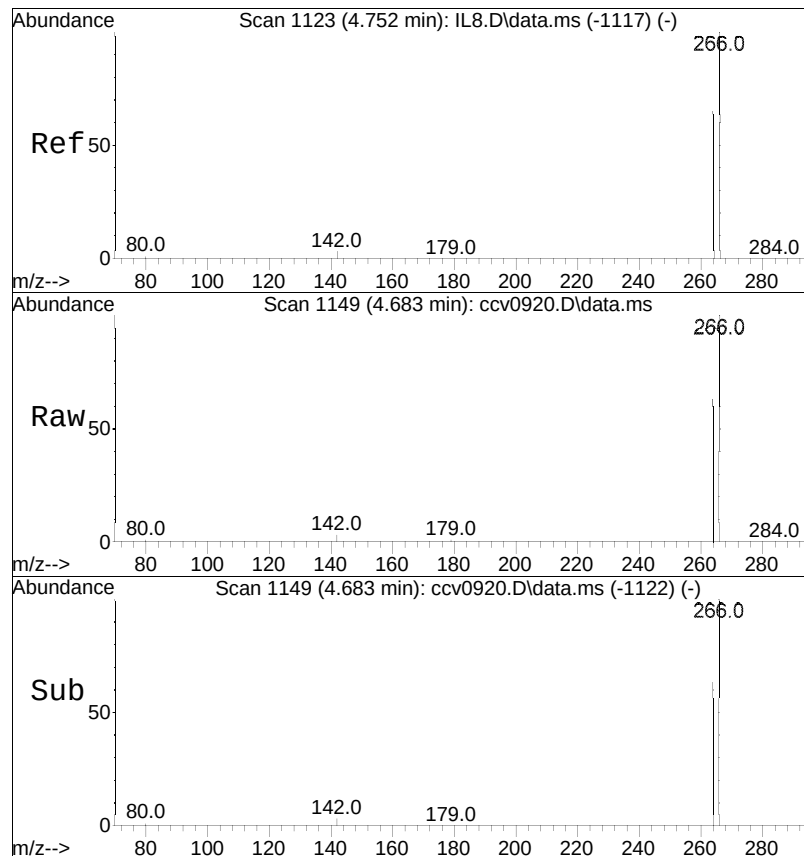




#25
 Hexachlorobenzene
 Concen: 1078.22 ng/ml
 RT: 4.573 min Scan# 1112
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

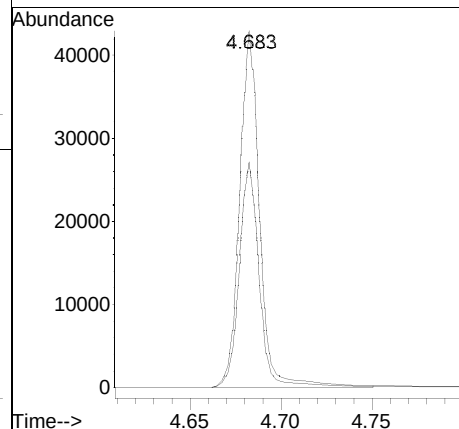
Tgt Ion: 284 Resp: 68343
 Ion Ratio Lower Upper
 284 100
 142 34.7 29.4 44.2

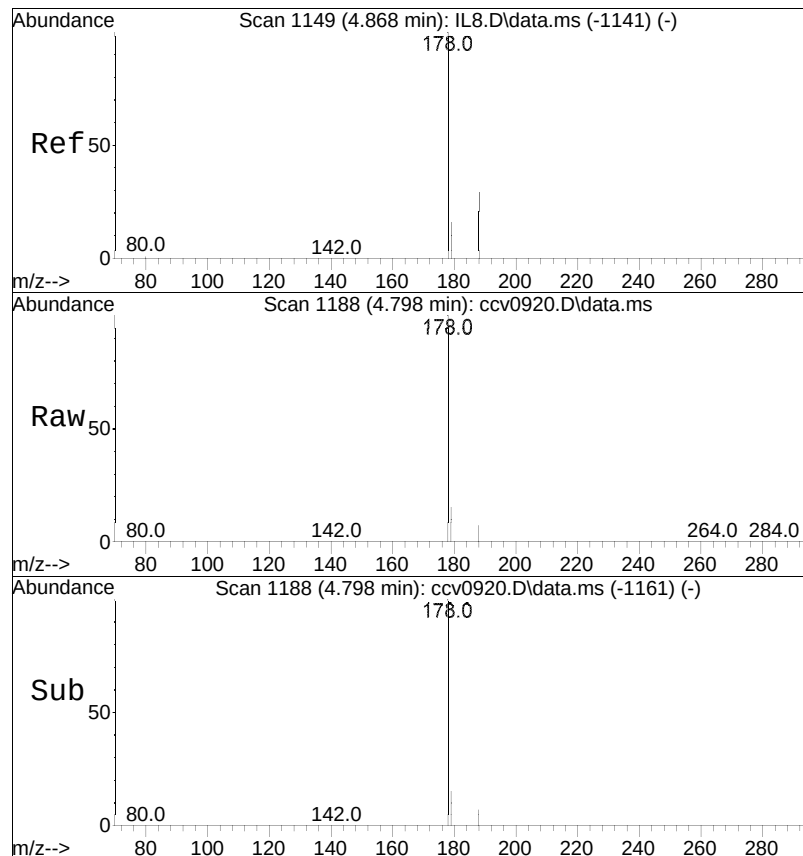




#26
 Pentachlorophenol
 Concen: 1420.23 ng/ml
 RT: 4.683 min Scan# 1149
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

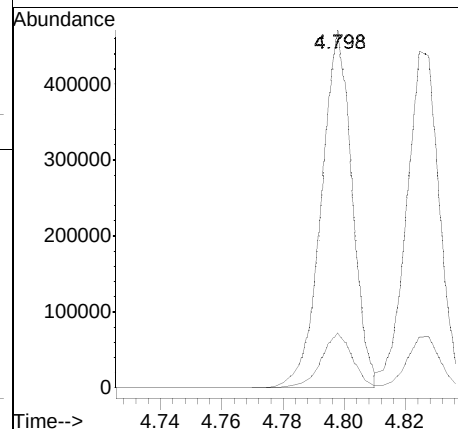
Tgt	Ion	Ratio	Lower	Upper
266	266	100		
264	264	63.2	49.9	74.9

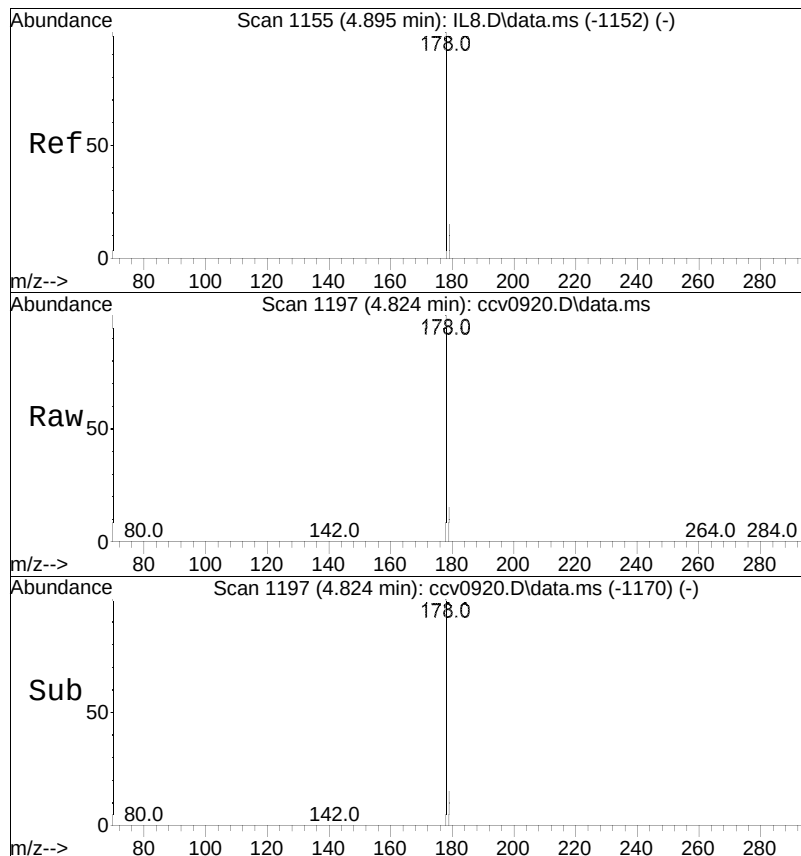




#27
 Phenanthrene
 Concen: 986.94 ng/ml
 RT: 4.798 min Scan# 1188
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

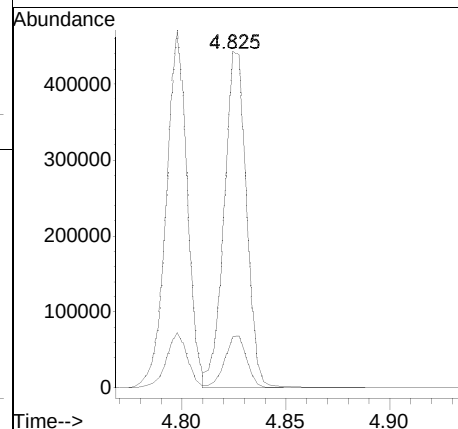
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7

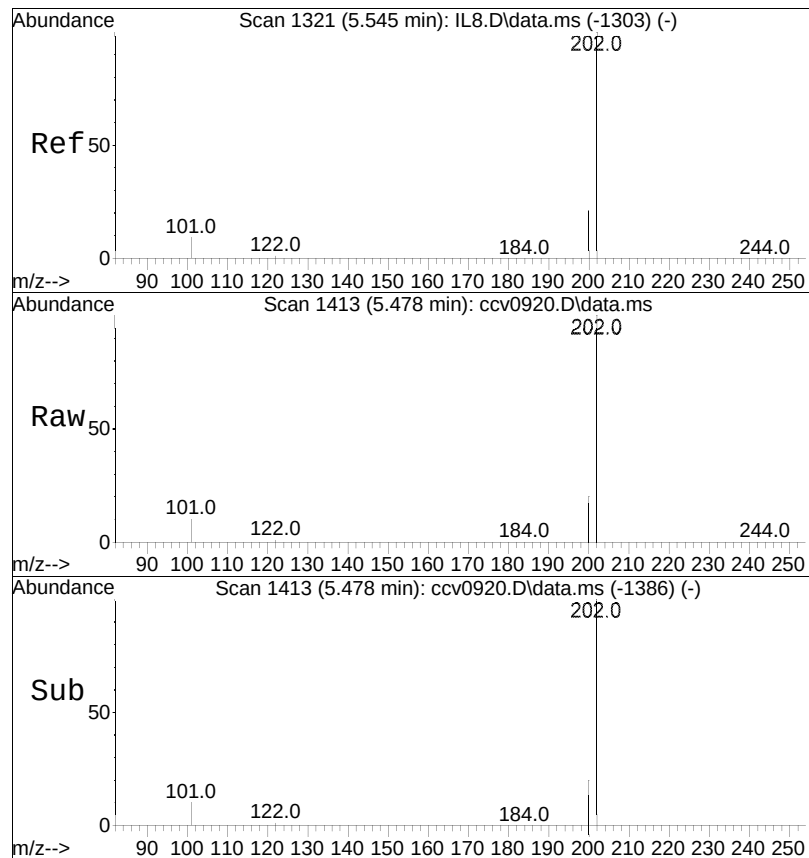




#28
 Anthracene
 Concen: 1034.16 ng/ml
 RT: 4.824 min Scan# 1197
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

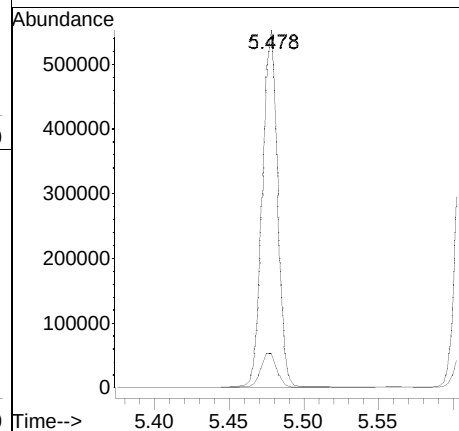
Tgt	Ion	Ratio	Lower	Upper
178	100			
179	15.4	12.3	18.5	

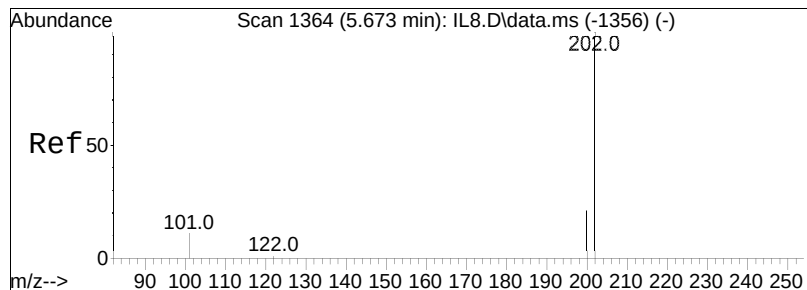




#29
 Fluoranthene
 Concen: 1091.87 ng/ml
 RT: 5.478 min Scan# 1413
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		393749		
101	10.1	8.3	12.5		





#30

Pyrene

Concen: 1099.17 ng/ml

RT: 5.608 min Scan# 1457

Delta R.T. 0.000 min

Lab File: ccv0920.D

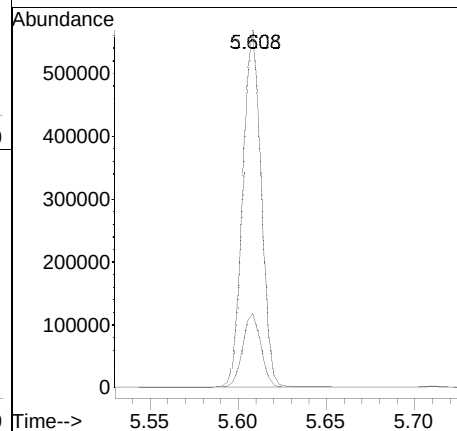
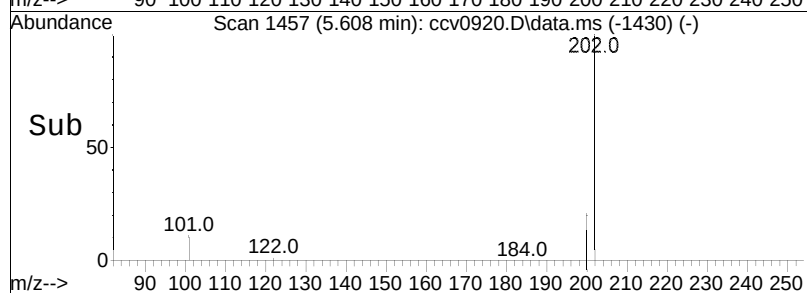
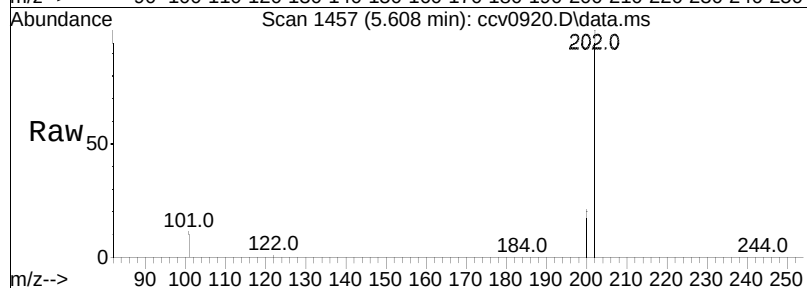
Acq: 20 Sep 2025 01:46 pm

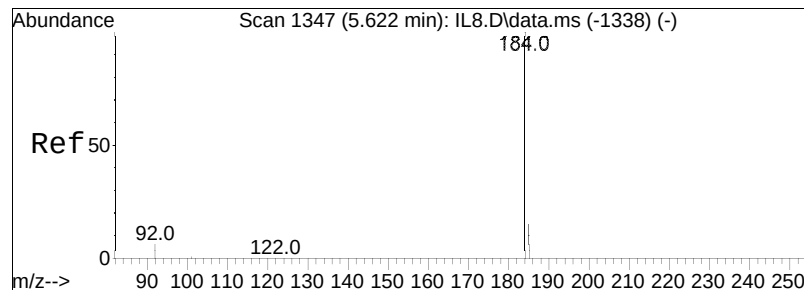
Tgt Ion: 202 Resp: 406836

Ion Ratio Lower Upper

202 100

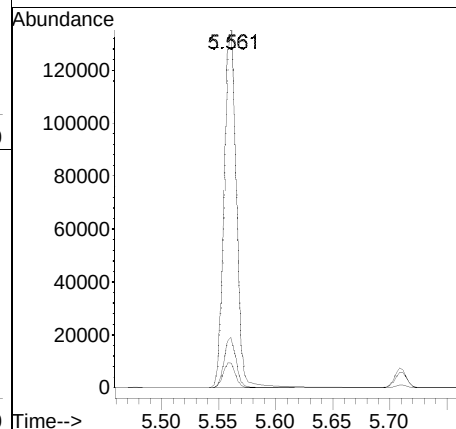
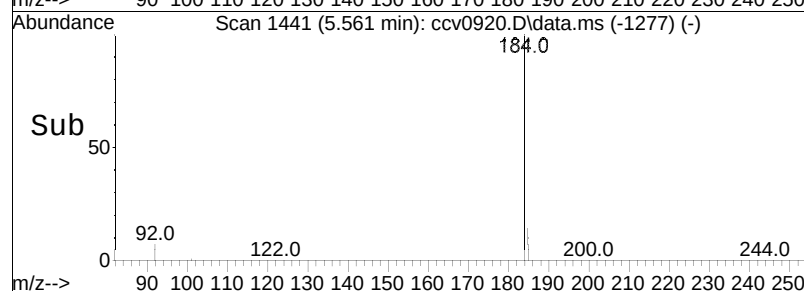
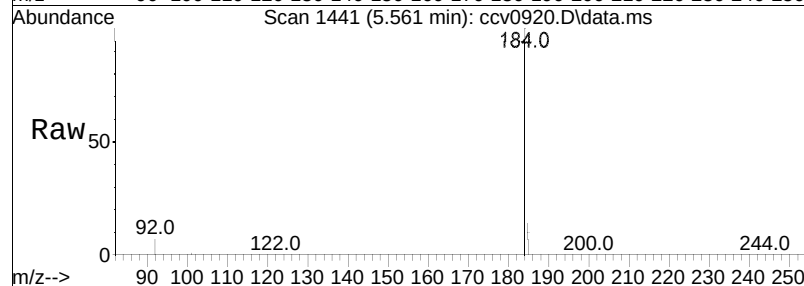
200 20.8 16.8 25.2

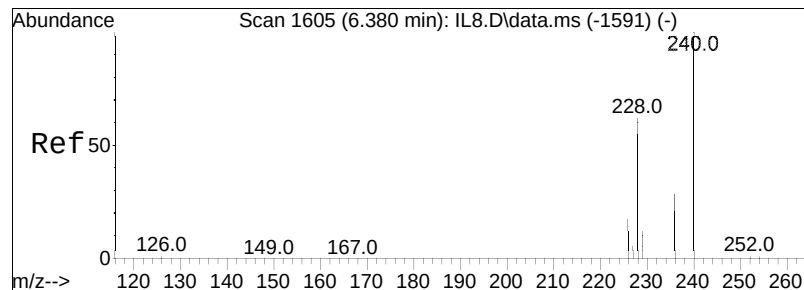




#31
Benzidine
Concen: 759.07 ng/mL
RT: 5.561 min Scan# 1441
Delta R.T. 0.000 min
Lab File: ccv0920.D
Acq: 20 Sep 2025 01:46 pm

Tgt Ion	Ratio	Lower	Upper
184	100		
92	7.1	5.4	8.0
185	14.0	11.2	16.8





#34

Benzo[a]anthracene

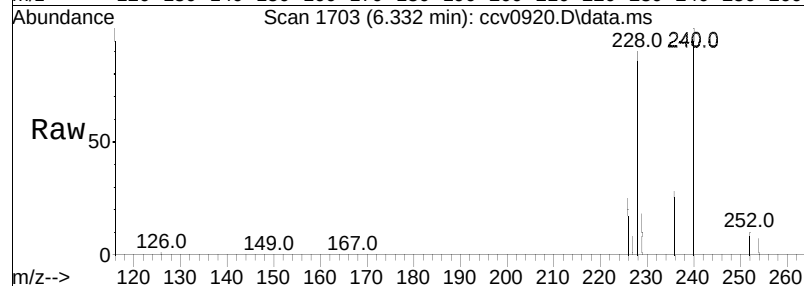
Concen: 1031.63 ng/ml

RT: 6.332 min Scan# 1703

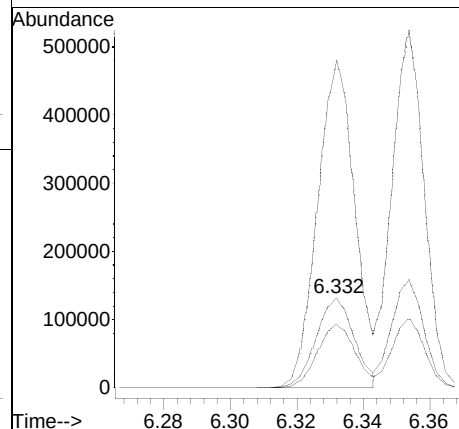
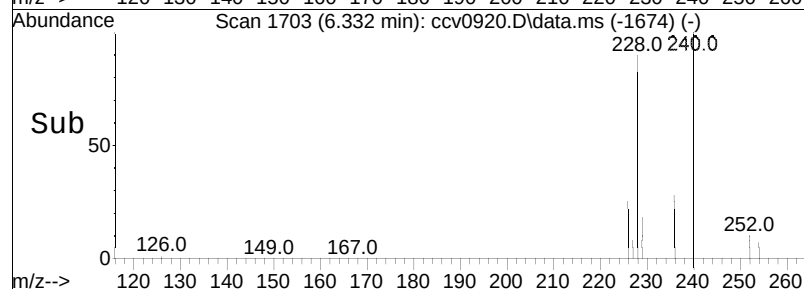
Delta R.T. 0.000 min

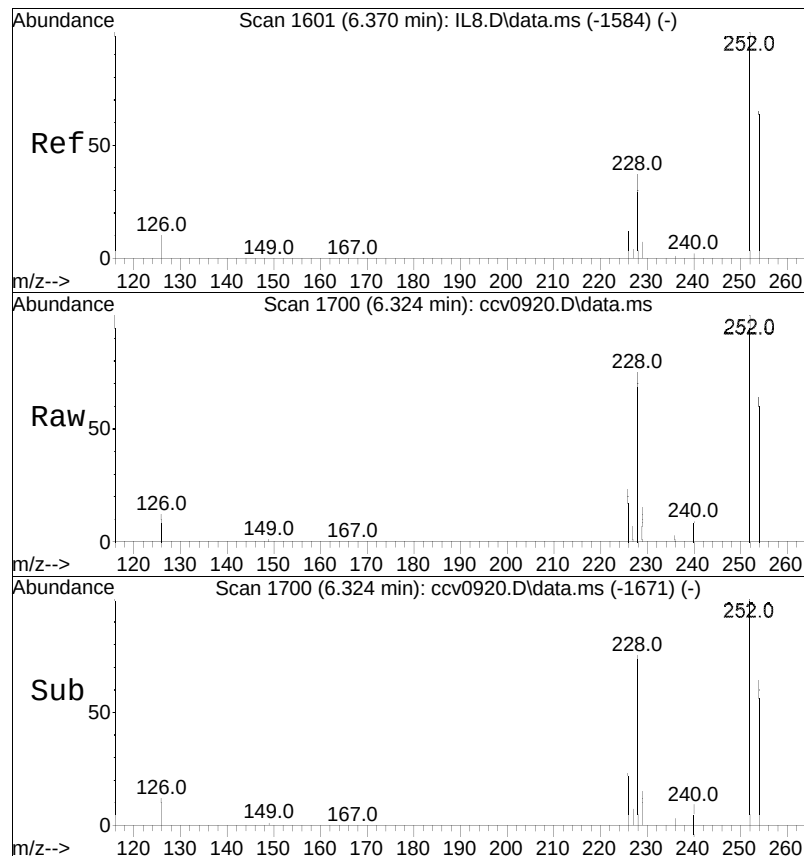
Lab File: ccv0920.D

Acq: 20 Sep 2025 01:46 pm



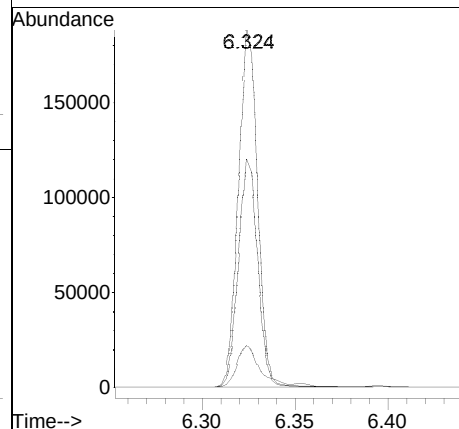
Tgt Ion:	226	Resp:	104878
Ion Ratio	Lower	Upper	
226	100		
229	70.3	56.4	84.6
228	357.9	287.5	431.3
229	70.3	56.4	84.6

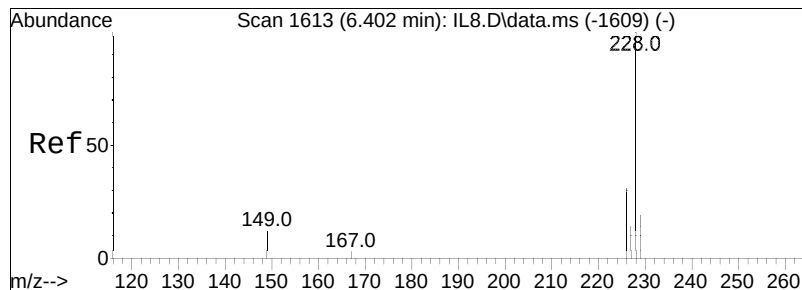




#35
 3,3'-Dichlorobenzidine
 Concen: 985.17 ng/ml
 RT: 6.324 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

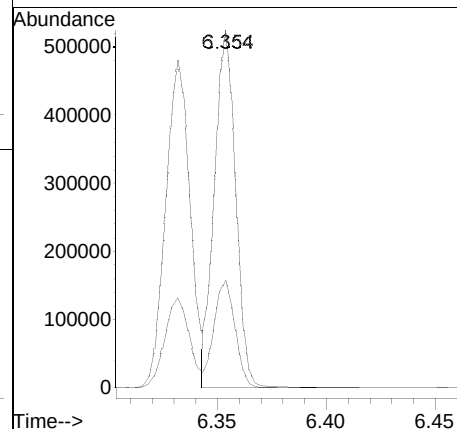
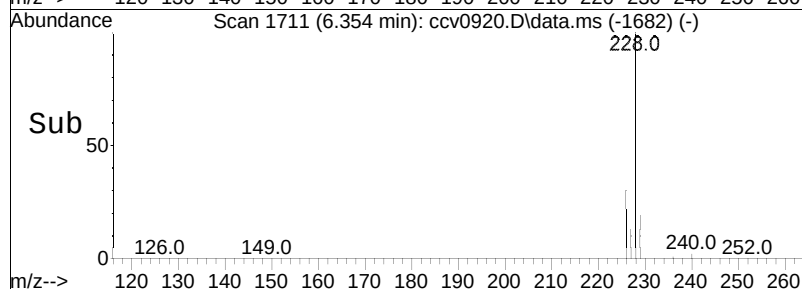
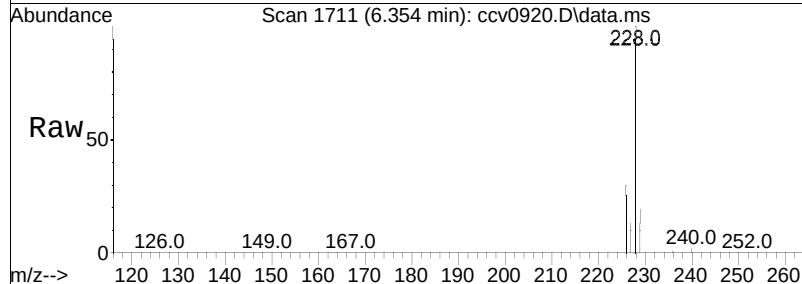
Tgt	Ion	252	Resp:	134257
Ion	Ratio	Lower	Upper	
252	100			
126	14.2	10.6	16.0	
254	64.2	51.6	77.4	

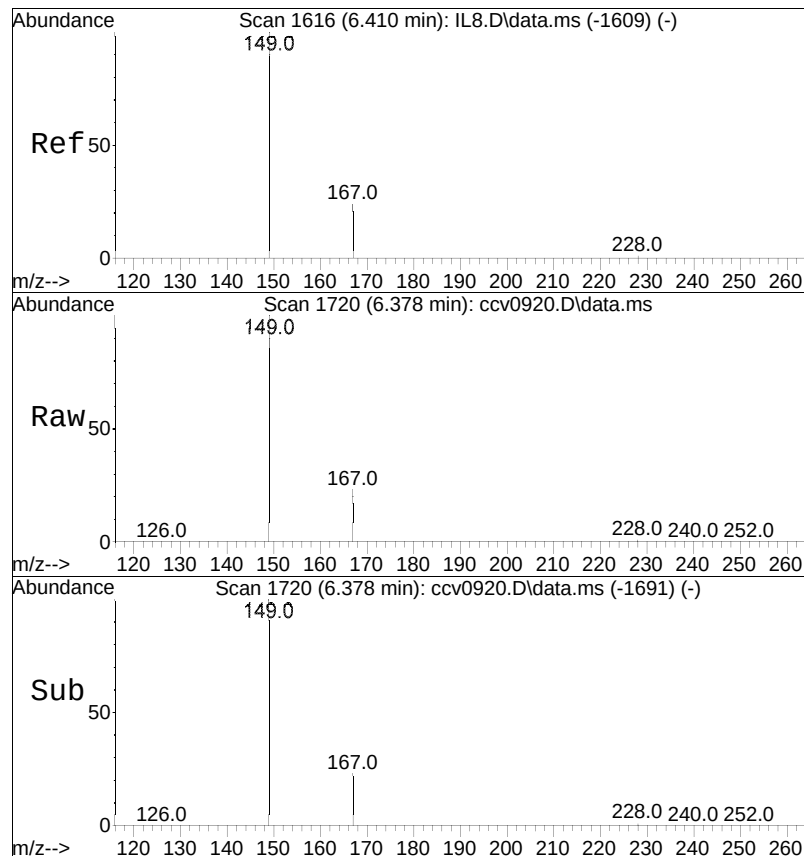




#36
 Chrysene
 Concen: 1050.95 ng/ml
 RT: 6.354 min Scan# 1711
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

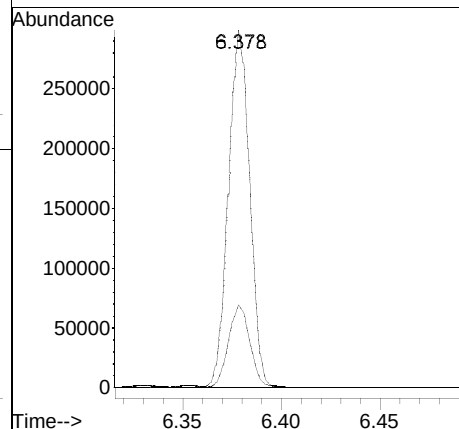
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5

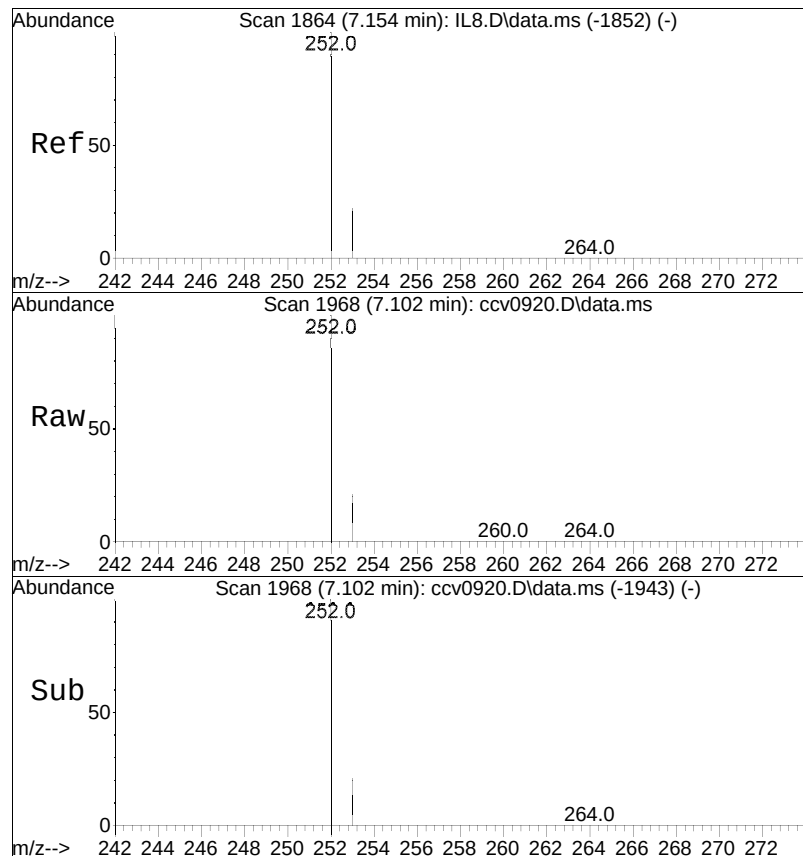




#37
 Bis(2-ethylhexyl)phthalate
 Concen: 1122.81 ng/ml
 RT: 6.378 min Scan# 1720
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

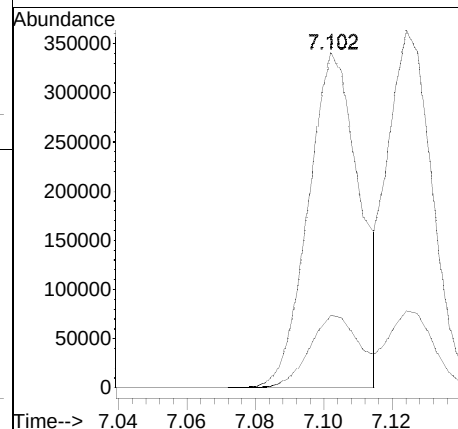
Tgt Ion:	149	Resp:	220104
Ion Ratio	Lower	Upper	
149	100		
167	23.7	19.7	29.5

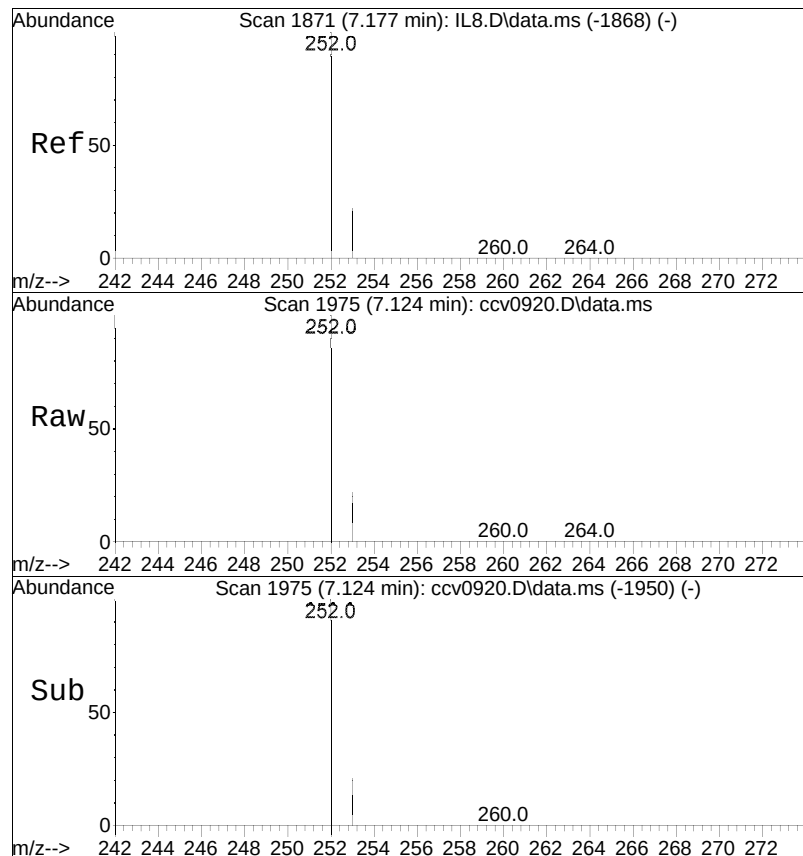




#39
 Benzo[b]fluoranthene
 Concen: 1123.22 ng/ml
 RT: 7.102 min Scan# 1968
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

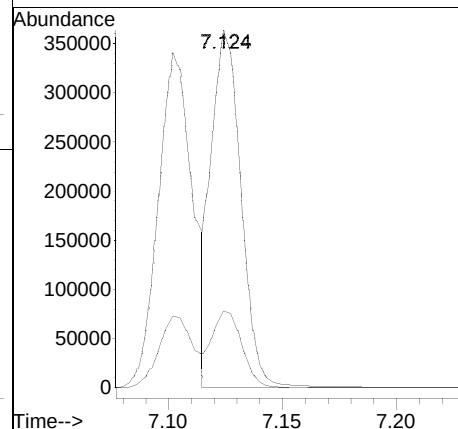
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.5	19.2	28.8	

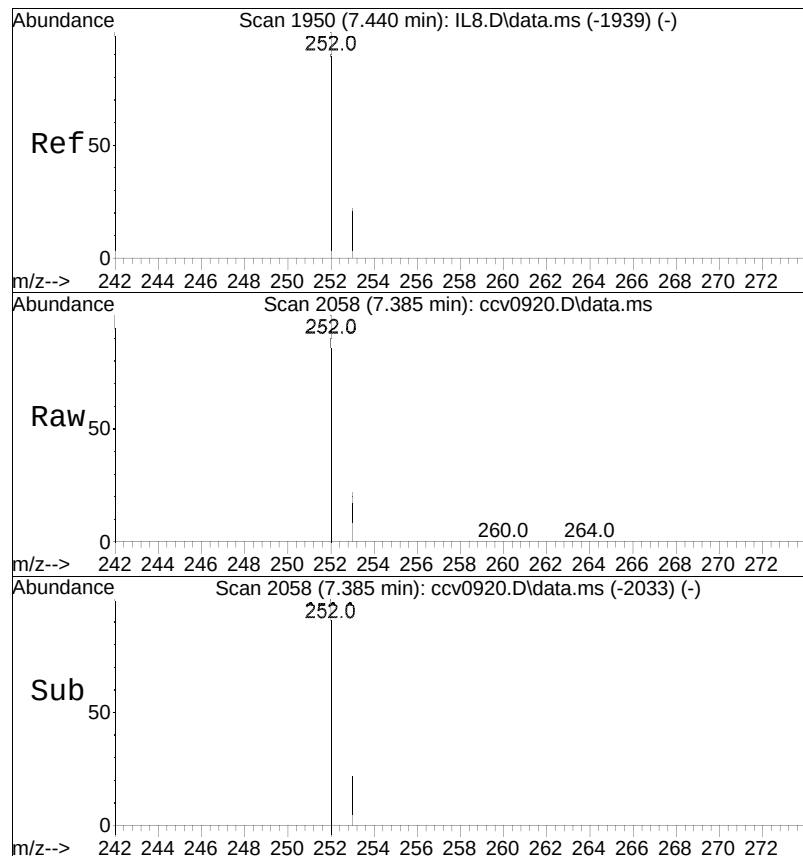




#40
 Benzo[k]fluoranthene
 Concen: 1008.59 ng/ml
 RT: 7.124 min Scan# 1975
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

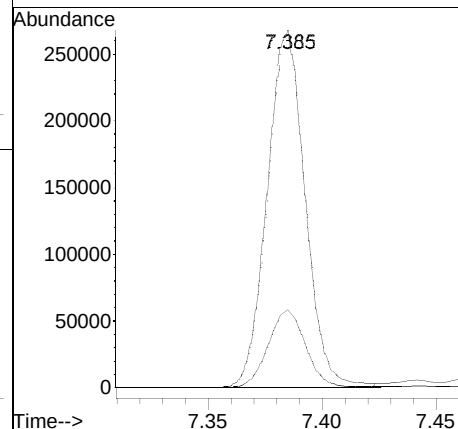
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.9	15.8	23.8	

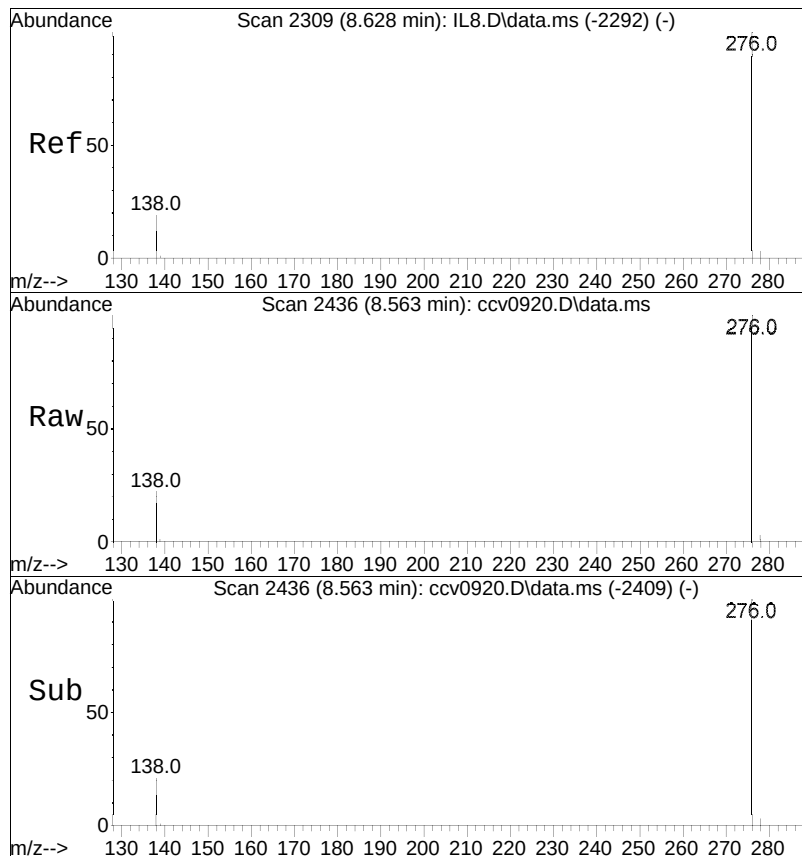




#41
 Benzo[a]pyrene
 Concen: 1083.25 ng/ml
 RT: 7.385 min Scan# 2058
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

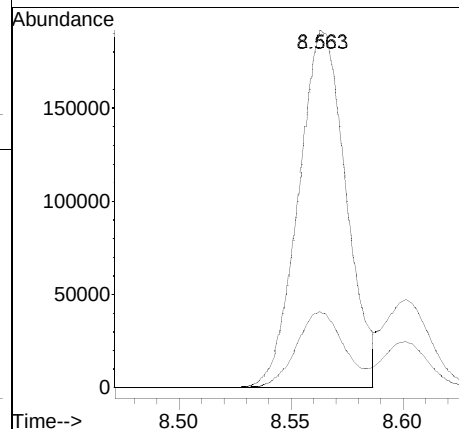
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

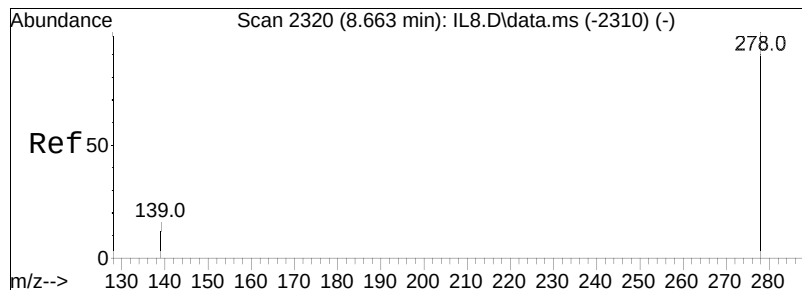




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1057.01 ng/ml
 RT: 8.563 min Scan# 2436
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	21.5	15.9	23.9	





#43

Dibenzo[a,h]anthracene

Concen: 1046.21 ng/ml M6

RT: 8.601 min Scan# 2449

Delta R.T. 0.000 min

Lab File: ccv0920.D

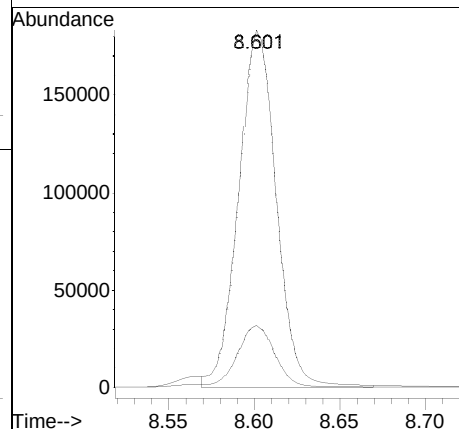
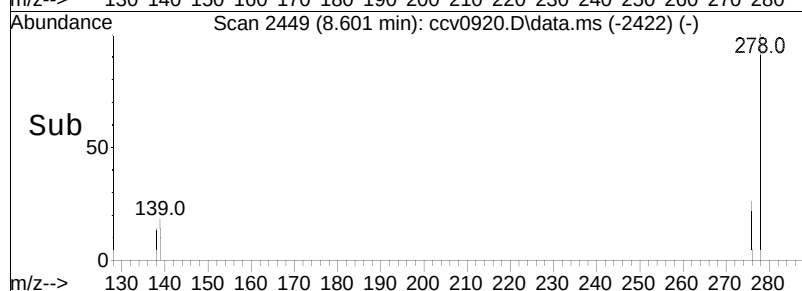
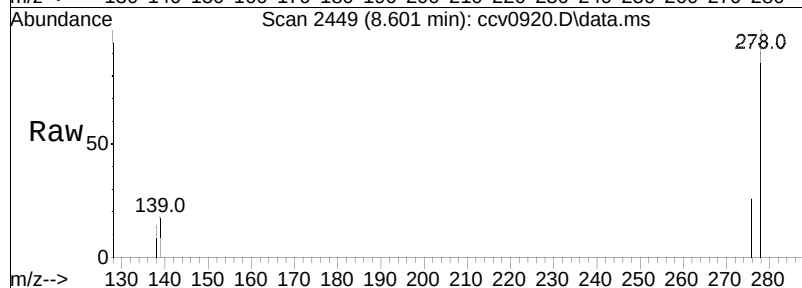
Acq: 20 Sep 2025 01:46 pm

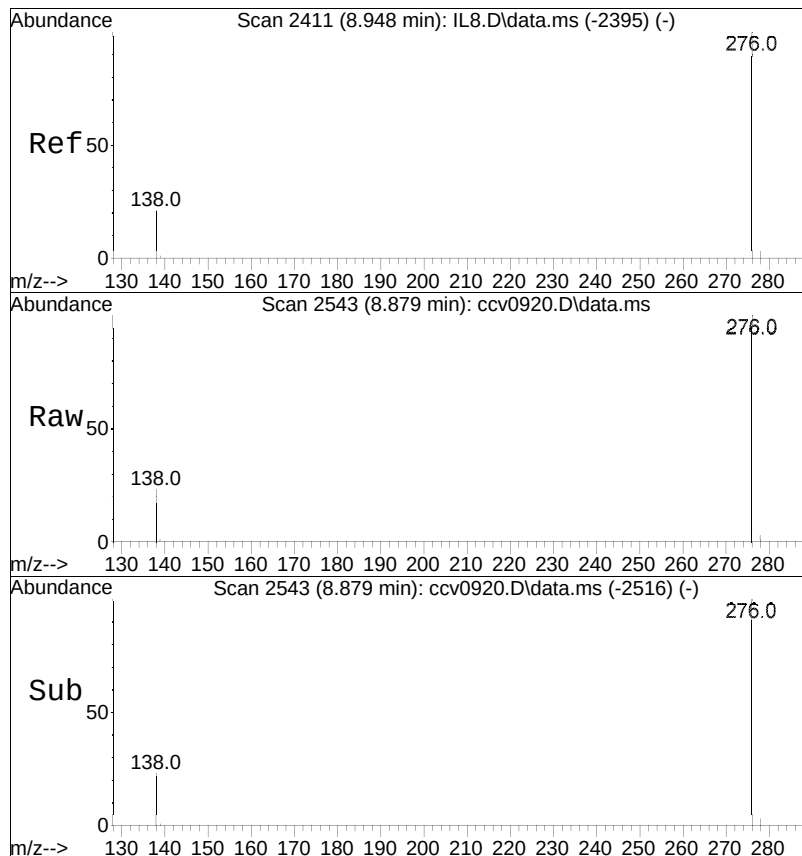
Tgt Ion: 278 Resp: 277240

Ion Ratio Lower Upper

278 100

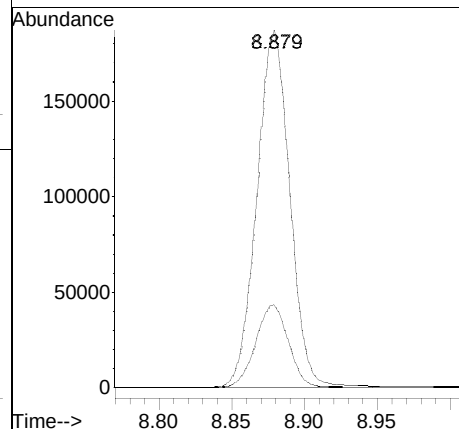
139 18.0 13.8 20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1051.37 ng/ml
 RT: 8.879 min Scan# 2543
 Delta R.T. 0.000 min
 Lab File: ccv0920.D
 Acq: 20 Sep 2025 01:46 pm

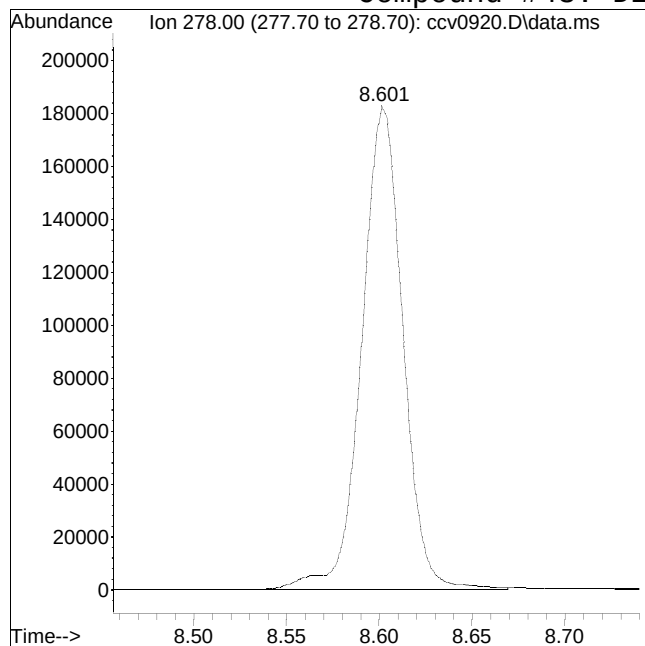
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.3	18.1	27.1



Manual Integration Report

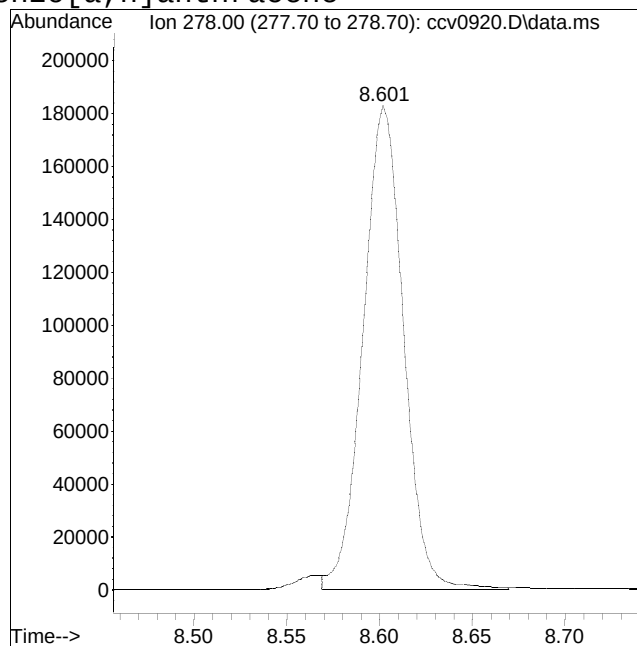
Data Path : I:\8270SIM\SV125\250920RVTQMethod : SIM-RVT_250908_sv125.M
Data File : ccv0920.D Operator : SV125:rp
Date Inj'd : 9/20/2025 1:46 pm Instrument : SV125
Sample : WG2117439-3,32,,ICV 11696 Quant Date : 9/20/2025 2:13 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 282873

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

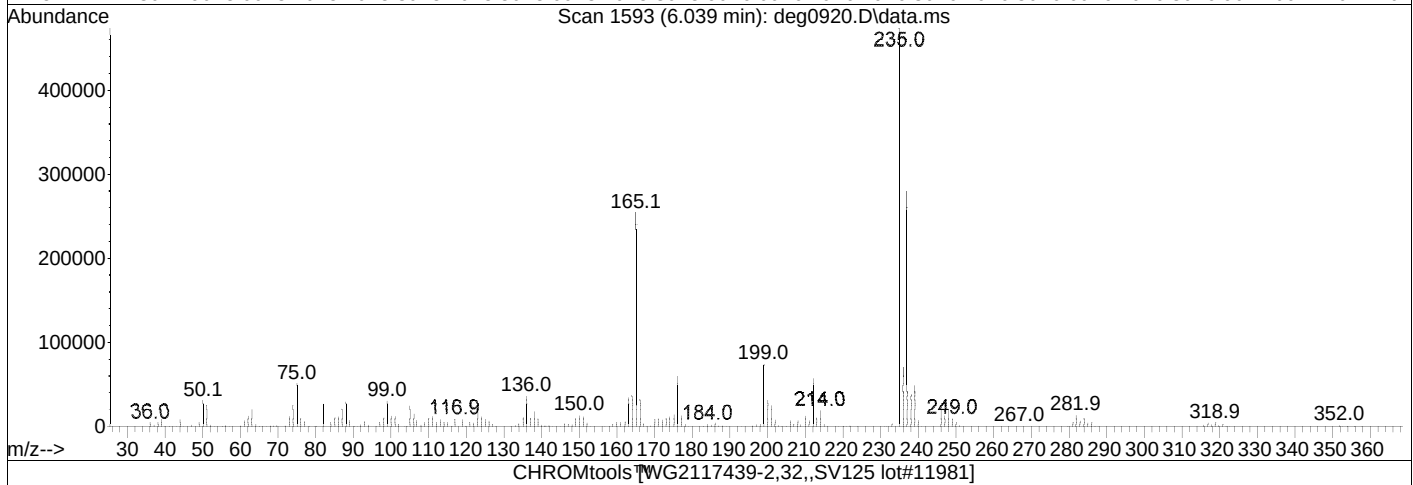
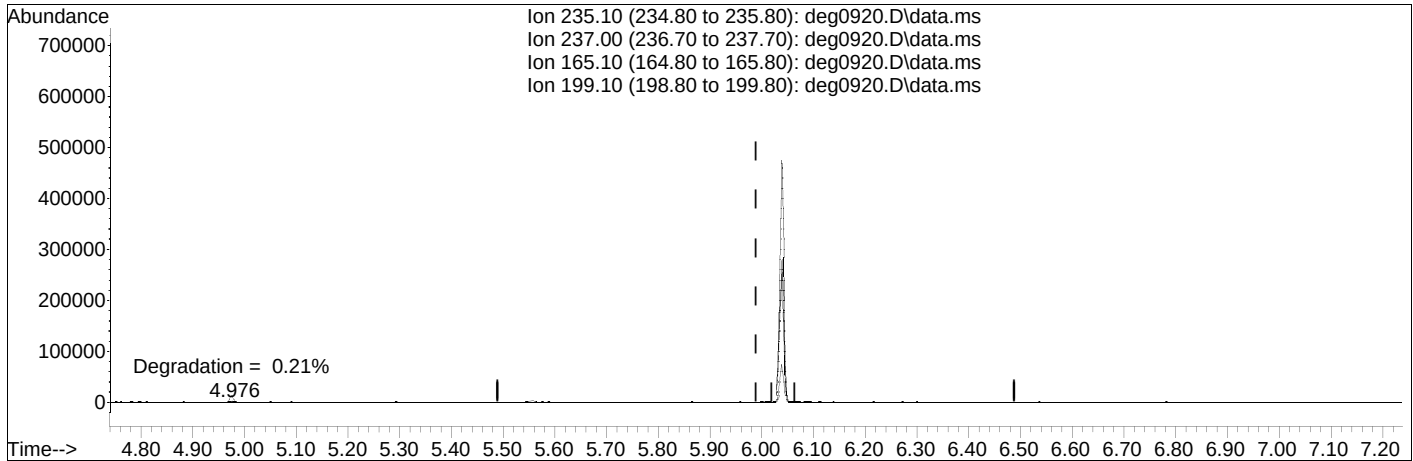


Manual Peak Response = 277240 M6

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250920RVT\
Data File : deg0920.D
Acq On : 20 Sep 2025 01:26 pm
Operator : SV125:rp
Sample : WG2117439-2,32,,SV125 lot#11981
Misc : WG2117439,,ical22616
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 20 13:46:32 2025
Quant Method : I:\8270SIM\SV125\250920RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Sep 11 18:06:43 2025
Response via : Continuing Cal File:



(6) ddt (T)

6.039min (+ 0.050) 38.36

response 233862

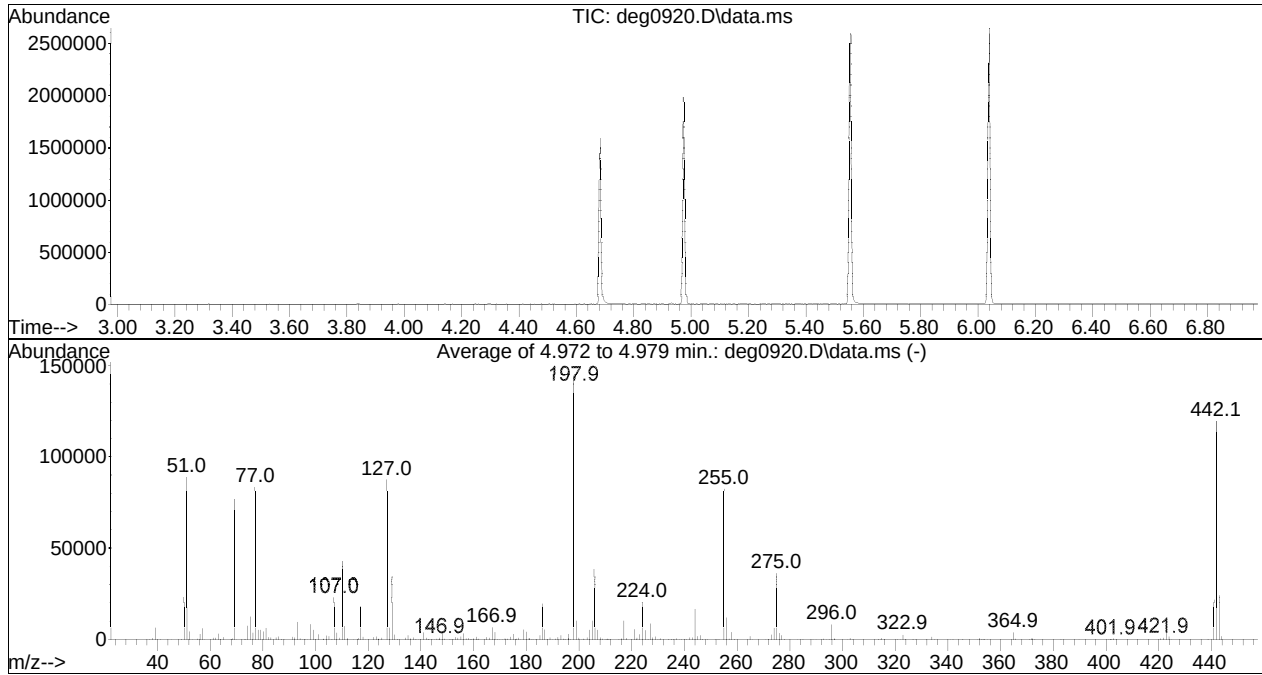
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	62.95
165.10	53.30	53.92
199.10	17.10	15.49

DFTPP

Data Path : I:\8270SIM\SV125\250920RVT\
 Data File : deg0920.D
 Acq On : 20 Sep 2025 01:26 pm
 Operator : SV125:rp
 Sample : WG2117439-1,32,,SV125 lot#11981
 Misc : WG2117439,,ical22616
 ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV125\250920RVT\SIM-RVT_250908_sv125.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Sat Sep 20 14:13:26 2025



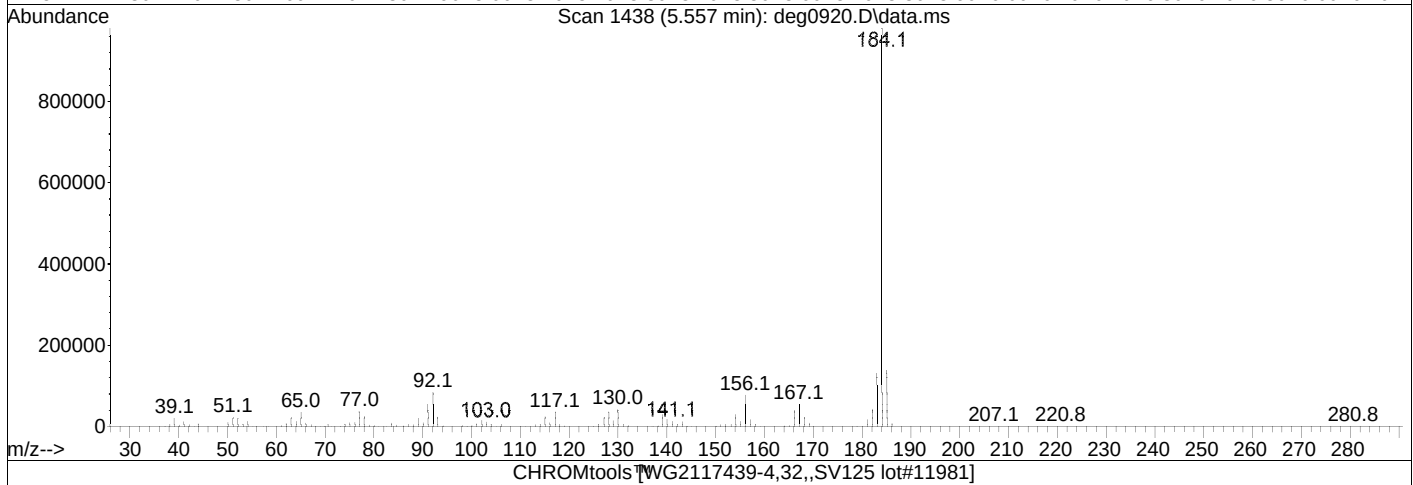
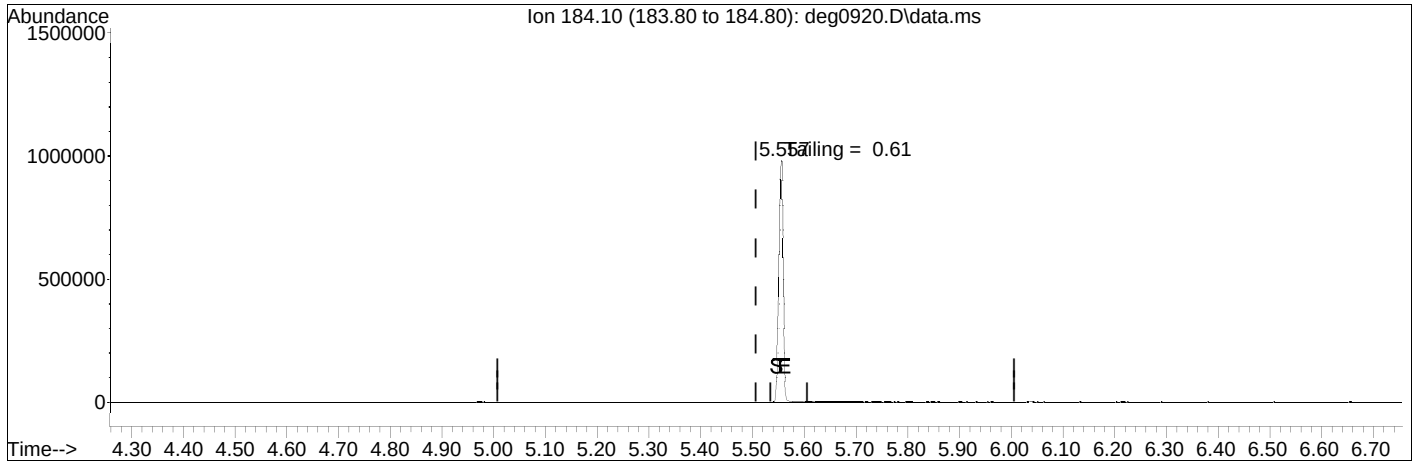
Spectrum Information: Average of 4.972 to 4.979 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	61.6	88987	PASS
68	69	0.00	2	1.2	892	PASS
69	69	100	100	100.0	76771	PASS
70	69	0.00	2	0.4	292	PASS
127	198	10	80	60.6	87629	PASS
197	198	0.00	2	0.3	374	PASS
198	198	100	100	100.0	144549	PASS
199	198	5	9	7.1	10202	PASS
275	198	10	60	25.1	36261	PASS
365	198	1	100	2.8	3990	PASS
441	442	0.01	24	18.2	21793	PASS
442	198	50	100	82.8	119629	PASS
443	442	15	24	20.4	24424	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250920RVT\
Data File : deg0920.D
Acq On : 20 Sep 2025 01:26 pm
Operator : SV125:rp
Sample : WG2117439-4,32,,SV125 lot#11981
Misc : WG2117439,,ical22616
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 20 13:46:32 2025
Quant Method : I:\8270SIM\SV125\250920RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Sep 11 18:06:43 2025
Response via : Continuing Cal File:



(3) benzidine (T)

5.557min (+ 0.050) 52.45

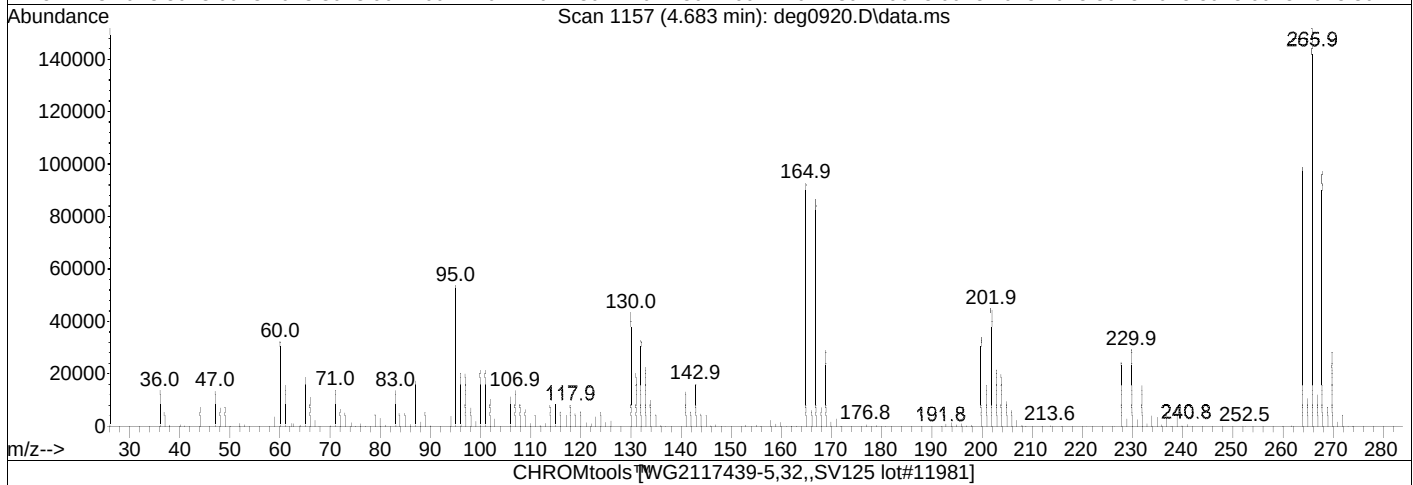
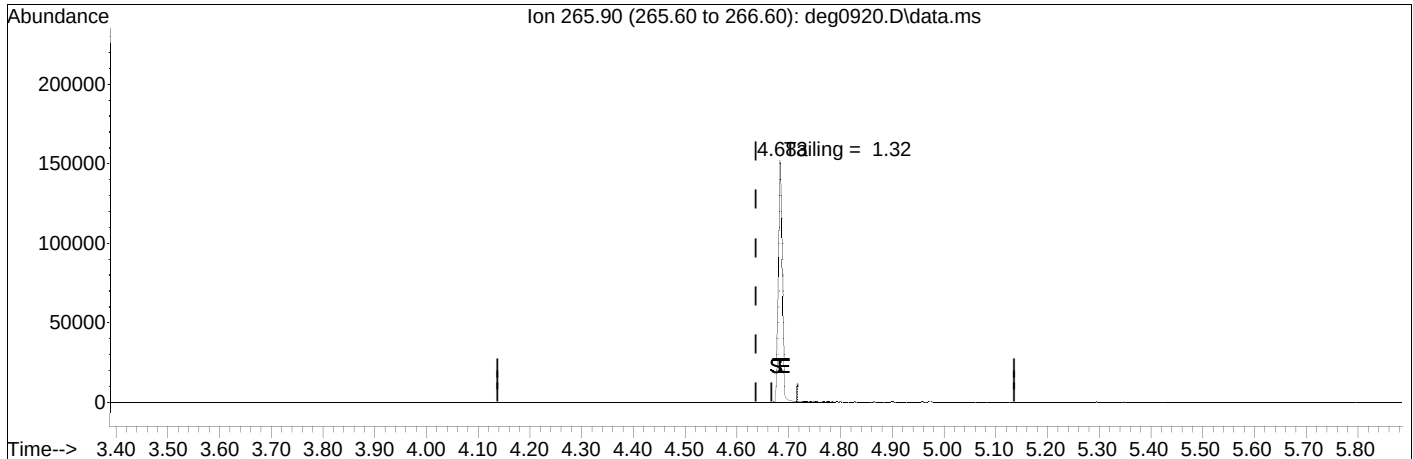
response 533915

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250920RVT\
Data File : deg0920.D
Acq On : 20 Sep 2025 01:26 pm
Operator : SV125:rp
Sample : WG2117439-5,32,,SV125 lot#11981
Misc : WG2117439,,ical22616
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 20 13:46:32 2025
Quant Method : I:\8270SIM\SV125\250920RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Sep 11 18:06:43 2025
Response via : Continuing Cal File:



(1) pentachlorophenol (T)

4.683min (+ 0.046) 35.10

response 73715

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV125
 Lab File ID : CCV0920
 Sample No : WG2117439-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/20/25 13:46
 Init. Calib. Date(s) : 09/08/25 09/08/25
 Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	70	0
N-Nitrosodimethylamine	0.648	0.744	.05	-14.8	20	78	0
2-Fluorophenol	0.988	1.228	.05	-24.3*	20	81	0
Phenol-d6	1.22	1.482	.05	-21.5*	20	79	0
Bis(2-chloroethyl)ether	1.1	1.169	.05	-6.3	20	71	0
n-nitrosodi-n-propylamine	0.731	0.863	.05	-18.1	20	80	0
Hexachloroethane	0.502	0.514	.05	-2.4	20	72	0
Nitrobenzene-d5	0.974	1.28	.05	-31.4*	20	84	0
Naphthalene-d8	1	1	.05	0	20	71	0
Naphthalene	1.058	1.026	.05	3	20	72	0
Hexachlorobutadiene	0.175	0.189	.05	-8	20	77	0
2-Methylnaphthalene	0.617	0.659	.05	-6.8	20	75	0
1-Methylnaphthalene	0.663	0.678	.05	-2.3	20	74	0
2-Fluorobiphenyl	0.816	0.868	.05	-6.4	20	77	0
2-Chloronaphthalene	0.693	0.716	.05	-3.3	20	74	0
2,6-Dinitrotoluene	0.128	0.172	.05	-34.4*	20	91	0
Acenaphthylene	1.095	1.22	.05	-11.4	20	76	0
Acenaphthene-d10	1	1	.05	0	20	73	0
Acenaphthene	1.279	1.326	.05	-3.7	20	77	0
2,4-Dinitrotoluene	1000	1241.426	.05	-24.1*	20	95	0
Fluorene	1.432	1.577	.05	-10.1	20	80	0
2,4,6-Tribromophenol	0.149	0.24	.05	-61.1*	20	103	0
Phenanthrene-d10	1	1	.05	0	20	84	0
4,6-Dinitro-o-cresol	1000	1102.908	.05	-10.3	20	102	0
Hexachlorobenzene	0.217	0.234	.05	-7.8	20	90	0
Pentachlorophenol	1000	1420.23	.05	-42*	20	136	0
Phenanthrene	1.143	1.128	.05	1.3	20	84	0
Anthracene	1.09	1.127	.05	-3.4	20	86	0
Fluoranthene	1.236	1.349	.05	-9.1	20	91	0
Pyrene	1.268	1.394	.05	-9.9	20	90	0
Benzidine	1000	759.067	.05	24.1*	20	70	0
4-Terphenyl-d14	0.802	0.875	.05	-9.1	20	94	0
Chrysene-d12	1	1	.05	0	20	90	0
Benzo[a]anthracene	1000	1031.628	.05	-3.2	20	93	0
3,3'-Dichlorobenzidine	1000	985.171	.05	1.5	20	92	0
Chrysene	1.27	1.335	.05	-5.1	20	91	0
Bis(2-ethylhexyl)phthalate	1000	1122.812	.05	-12.3	20	106	0
Perylene-d12	1	1	.05	0	20	88	0
Benzo[b]fluoranthene	1.265	1.421	.05	-12.3	20	99	0
Benzo[k]fluoranthene	1.282	1.293	.05	-0.9	20	84	0
Benzo[a]pyrene	1.119	1.212	.05	-8.3	20	90	0
Indeno[1,2,3-cd]pyrene	1.063	1.123	.05	-5.6	20	88	0
Dibenzo[a,h]anthracene	1.054	1.102	.05	-4.6	20	89	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV125
Lab File ID : CCV0920
Sample No : WG2117439-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/20/25 13:46
Init. Calib. Date(s) : 09/08/25 09/08/25
Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.096	1.152	.05	-5.1	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV125
 Lab File ID : CCV0922
 Sample No : WG2117833-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/22/25 07:08
 Init. Calib. Date(s) : 09/08/25 09/08/25
 Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	74	0
N-Nitrosodimethylamine	0.648	0.742	.05	-14.5	20	83	0
2-Fluorophenol	0.988	1.241	.05	-25.6*	20	87	0
Phenol-d6	1.22	1.503	.05	-23.2*	20	85	0
Bis(2-chloroethyl)ether	1.1	1.174	.05	-6.7	20	77	0
n-nitrosodi-n-propylamine	0.731	0.867	.05	-18.6	20	86	0
Hexachloroethane	0.502	0.528	.05	-5.2	20	79	0
Nitrobenzene-d5	0.974	1.33	.05	-36.6*	20	93	0
Naphthalene-d8	1	1	.05	0	20	75	0
Naphthalene	1.058	1.032	.05	2.5	20	76	0
Hexachlorobutadiene	0.175	0.192	.05	-9.7	20	83	0
2-Methylnaphthalene	0.617	0.647	.05	-4.9	20	78	0
1-Methylnaphthalene	0.663	0.658	.05	0.8	20	75	0
2-Fluorobiphenyl	0.816	0.833	.05	-2.1	20	78	0
2-Chloronaphthalene	0.693	0.693	.05	0	20	75	0
2,6-Dinitrotoluene	0.128	0.163	.05	-27.3*	20	90	0
Acenaphthylene	1.095	1.159	.05	-5.8	20	76	0
Acenaphthene-d10	1	1	.05	0	20	72	0
Acenaphthene	1.279	1.329	.05	-3.9	20	75	0
2,4-Dinitrotoluene	1000	1223.826	.05	-22.4*	20	92	0
Fluorene	1.432	1.515	.05	-5.8	20	75	0
2,4,6-Tribromophenol	0.149	0.232	.05	-55.7*	20	97	0
Phenanthrene-d10	1	1	.05	0	20	75	0
4,6-Dinitro-o-cresol	1000	1223.543	.05	-22.4*	20	101	0
Hexachlorobenzene	0.217	0.235	.05	-8.3	20	81	0
Pentachlorophenol	1000	1489.628	.05	-49*	20	128	0
Phenanthrene	1.143	1.145	.05	-0.2	20	76	0
Anthracene	1.09	1.116	.05	-2.4	20	76	0
Fluoranthene	1.236	1.298	.05	-5	20	78	0
Pyrene	1.268	1.339	.05	-5.6	20	77	0
Benzidine	1000	801.825	.05	19.8	20	68	0
4-Terphenyl-d14	0.802	0.817	.05	-1.9	20	79	0
Chrysene-d12	1	1	.05	0	20	79	0
Benzo[a]anthracene	1000	1055.242	.05	-5.5	20	84	0
3,3'-Dichlorobenzidine	1000	1061.071	.05	-6.1	20	88	0
Chrysene	1.27	1.329	.05	-4.6	20	79	0
Bis(2-ethylhexyl)phthalate	1000	1117.035	.05	-11.7	20	92	0
Perylene-d12	1	1	.05	0	20	82	0
Benzo[b]fluoranthene	1.265	1.421	.05	-12.3	20	93	0
Benzo[k]fluoranthene	1.282	1.281	.05	0.1	20	78	0
Benzo[a]pyrene	1.119	1.263	.05	-12.9	20	88	0
Indeno[1,2,3-cd]pyrene	1.063	1.226	.05	-15.3	20	90	0
Dibenzo[a,h]anthracene	1.054	1.153	.05	-9.4	20	87	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV125
Lab File ID : CCV0922
Sample No : WG2117833-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/22/25 07:08
Init. Calib. Date(s) : 09/08/25 09/08/25
Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.096	1.214	.05	-10.8	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV120
 Lab File ID : CCV0923
 Sample No : WG2118575-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/23/25 14:26
 Init. Calib. Date(s) : 09/17/25 09/17/25
 Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	113	0
N-Nitrosodimethylamine	0.589	0.709	.05	-20.4*	20	129	0
2-Fluorophenol	0.916	1.201	.05	-31.1*	20	135	0
Phenol-d6	1.181	1.523	.05	-29*	20	136	0
Bis(2-chloroethyl)ether	1000	1089.614	.05	-9	20	126	0
n-nitrosodi-n-propylamine	0.784	0.885	.05	-12.9	20	123	0
Hexachloroethane	0.503	0.537	.05	-6.8	20	123	0
Nitrobenzene-d5	1000	1077.008	.05	-7.7	20	127	0
Naphthalene-d8	1	1	.05	0	20	113	0
Naphthalene	0.97	0.987	.05	-1.8	20	119	0
Hexachlorobutadiene	0.18	0.192	.05	-6.7	20	121	0
2-Methylnaphthalene	0.565	0.637	.05	-12.7	20	124	0
1-Methylnaphthalene	0.616	0.67	.05	-8.8	20	123	0
2-Fluorobiphenyl	0.768	0.846	.05	-10.2	20	122	0
2-Chloronaphthalene	0.635	0.699	.05	-10.1	20	120	0
2,6-Dinitrotoluene	1000	952.44	.05	4.8	20	119	0
Acenaphthylene	1.114	1.195	.05	-7.3	20	119	0
Acenaphthene-d10	1	1	.05	0	20	104	0
Acenaphthene	1.204	1.338	.05	-11.1	20	117	0
2,4-Dinitrotoluene	1000	986.291	.05	1.4	20	113	0
Fluorene	1.327	1.535	.05	-15.7	20	115	0
2,4,6-Tribromophenol	0.138	0.184	.05	-33.3*	20	127	0
Phenanthrene-d10	1	1	.05	0	20	105	0
4,6-Dinitro-o-cresol	1000	993.48	.05	0.7	20	110	0
Hexachlorobenzene	0.224	0.234	.05	-4.5	20	116	0
Pentachlorophenol	1000	1129.254	.05	-12.9	20	118	0
Phenanthrene	1.017	1.081	.05	-6.3	20	113	0
Anthracene	1.015	1.122	.05	-10.5	20	116	0
Fluoranthene	1.134	1.255	.05	-10.7	20	117	0
Pyrene	1.177	1.297	.05	-10.2	20	114	0
Benzidine	1	0	.05	47*	20	-3.72	
4-Terphenyl-d14	0.791	0.879	.05	-11.1	20	117	0
Chrysene-d12	1	1	.05	0	20	102	0
Benzo[a]anthracene	1000	1086.622	.05	-8.7	20	114	0
3,3'-Dichlorobenzidine	1000	1083.631	.05	-8.4	20	121	0
Chrysene	1.216	1.321	.05	-8.6	20	114	0
Bis(2-ethylhexyl)phthalate	0.634	0.796	.05	-25.6*	20	128	0
Perylene-d12	1	1	.05	0	20	104	0
Benzo[b]fluoranthene	1.041	1.214	.05	-16.6	20	114	0
Benzo[k]fluoranthene	1.157	1.342	.05	-16	20	117	0
Benzo[a]pyrene	0.981	1.177	.05	-20	20	119	0
Indeno[1,2,3-cd]pyrene	0.815	1.033	.05	-26.7*	20	124	0
Dibenzo[a,h]anthracene	0.793	1.061	.05	-33.8*	20	121	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV120
Lab File ID : CCV0923
Sample No : WG2118575-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/23/25 14:26
Init. Calib. Date(s) : 09/17/25 09/17/25
Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	0.929	1.099	.05	-18.3	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV120
 Lab File ID : CCV0924AA
 Sample No : WG2119028-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/24/25 10:01
 Init. Calib. Date(s) : 09/17/25 09/17/25
 Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	84	-.01
N-Nitrosodimethylamine	0.589	0.932	.05	-58.2*	20	126	0
2-Fluorophenol	0.916	1.547	.05	-68.9*	20	129	-.01
Phenol-d6	1.181	1.475	.05	-24.9*	20	98	-.01
Bis(2-chloroethyl)ether	1000	1053.451	.05	-5.3	20	90	-.01
n-nitrosodi-n-propylamine	0.784	0.86	.05	-9.7	20	89	-.01
Hexachloroethane	0.503	0.533	.05	-6	20	91	-.01
Nitrobenzene-d5	1000	1051.666	.05	-5.2	20	92	-.01
Naphthalene-d8	1	1	.05	0	20	82	0
Naphthalene	0.97	0.994	.05	-2.5	20	87	0
Hexachlorobutadiene	0.18	0.204	.05	-13.3	20	94	0
2-Methylnaphthalene	0.565	0.637	.05	-12.7	20	90	0
1-Methylnaphthalene	0.616	0.673	.05	-9.3	20	90	0
2-Fluorobiphenyl	0.768	0.857	.05	-11.6	20	89	0
2-Chloronaphthalene	0.635	0.701	.05	-10.4	20	87	0
2,6-Dinitrotoluene	1000	902.215	.05	9.8	20	82	0
Acenaphthylene	1.114	1.185	.05	-6.4	20	86	0
Acenaphthene-d10	1	1	.05	0	20	76	0
Acenaphthene	1.204	1.329	.05	-10.4	20	85	0
2,4-Dinitrotoluene	1000	946.174	.05	5.4	20	80	0
Fluorene	1.327	1.512	.05	-13.9	20	83	0
2,4,6-Tribromophenol	0.138	0.18	.05	-30.4*	20	91	0
Phenanthrene-d10	1	1	.05	0	20	75	0
4,6-Dinitro-o-cresol	1000	933.869	.05	6.6	20	73	0
Hexachlorobenzene	0.224	0.247	.05	-10.3	20	87	0
Pentachlorophenol	1000	1269.598	.05	-27*	20	99	0
Phenanthrene	1.017	1.108	.05	-8.9	20	82	0
Anthracene	1.015	1.139	.05	-12.2	20	83	0
Fluoranthene	1.134	1.284	.05	-13.2	20	84	0
Pyrene	1.177	1.347	.05	-14.4	20	84	0
Benzidine	1	0	.05	31*	20	-3.71	
4-Terphenyl-d14	0.791	0.923	.05	-16.7	20	87	.01
Chrysene-d12	1	1	.05	0	20	78	.03
Benzo[a]anthracene	1000	1088.357	.05	-8.8	20	87	.02
3,3'-Dichlorobenzidine	1000	1070.758	.05	-7.1	20	91	.02
Chrysene	1.216	1.3	.05	-6.9	20	85	.03
Bis(2-ethylhexyl)phthalate	0.634	0.777	.05	-22.6*	20	95	.03
Perylene-d12	1	1	.05	0	20	81	.02
Benzo[b]fluoranthene	1.041	1.222	.05	-17.4	20	90	.03
Benzo[k]fluoranthene	1.157	1.317	.05	-13.8	20	90	.02
Benzo[a]pyrene	0.981	1.176	.05	-19.9	20	93	.02
Indeno[1,2,3-cd]pyrene	0.815	1.224	.05	-50.2*	20	115	0
Dibenzo[a,h]anthracene	0.793	1.307	.05	-64.8*	20	117	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV120
Lab File ID : CCV0924AA
Sample No : WG2119028-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/24/25 10:01
Init. Calib. Date(s) : 09/17/25 09/17/25
Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	0.929	1.335	.05	-43.7*	20	111	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : ccv0922.D
 Acq On : 22 Sep 2025 07:08 am
 Operator : SV125:slr
 Sample : WG2117833-3,32,,ICV 11696 (0920)
 Misc : WG2117833,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 22 07:28:17 2025
 Quant Method : I:\8270SIM\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:55 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	74	0.00
2 T	N-Nitrosodimethylamine	0.648	0.742	-14.5	83	0.00
3 s	2-Fluorophenol	0.988	1.241	-25.6#	87	0.00
4 s	Phenol-d6	1.220	1.503	-23.2#	85	0.00
5 T	Bis(2-chloroethyl)ether	1.100	1.174	-6.7	77	0.00
6 T	n-nitrosodi-n-propylamine	0.731	0.867	-18.6	86	0.00
7 t	Hexachloroethane	0.502	0.528	-5.2	79	0.00
8 s	Nitrobenzene-d5	0.974	1.330	-36.6#	93	0.00
9 i	Naphthalene-d8	1.000	1.000	0.0	75	0.00
10 t	Naphthalene	1.058	1.032	2.5	76	0.00
11 t	Hexachlorobutadiene	0.175	0.192	-9.7	83	0.00
12 t	2-Methylnaphthalene	0.617	0.647	-4.9	78	0.00
13 t	1-Methylnaphthalene	0.663	0.658	0.8	75	0.00
14 s	2-Fluorobiphenyl	0.816	0.833	-2.1	78	0.00
15 t	2-Chloronaphthalene	0.693	0.693	0.0	75	0.00
16 t	2,6-Dinitrotoluene	0.128	0.163	-27.3#	90	0.00
17 t	Acenaphthylene	1.095	1.159	-5.8	76	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	72	0.00
19 t	Acenaphthene	1.279	1.329	-3.9	75	0.00
20 t	2,4-Dinitrotoluene	*1000.000	1223.826	-22.4#	92	0.00
21 t	Fluorene	1.432	1.515	-5.8	75	0.00
22 s	2,4,6-Tribromophenol	0.149	0.232	-55.7#	97	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	75	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	1223.543	-22.4#	101	0.00
25 t	Hexachlorobenzene	0.217	0.235	-8.3	81	0.00
26 t	Pentachlorophenol	*1000.000	1489.628	-49.0#	128	0.00
27 t	Phenanthrene	1.143	1.145	-0.2	76	0.00
28 t	Anthracene	1.090	1.116	-2.4	76	0.00
29 t	Fluoranthene	1.236	1.298	-5.0	78	0.00
30 t	Pyrene	1.268	1.339	-5.6	77	0.00
31 T	Benzidine	*1000.000	801.825	19.8	68	0.00
32 s	4-Terphenyl-d14	0.802	0.817	-1.9	79	0.00
33 i	Chrysene-d12	1.000	1.000	0.0	79	0.00
34 t	Benzo[a]anthracene	*1000.000	1055.242	-5.5	84	0.00
35 t	3,3'-Dichlorobenzidine	*1000.000	1061.071	-6.1	88	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : ccv0922.D
 Acq On : 22 Sep 2025 07:08 am
 Operator : SV125:slr
 Sample : WG2117833-3,32,,ICV 11696 (0920)
 Misc : WG2117833,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 22 07:28:17 2025
 Quant Method : I:\8270SIM\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:55 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Chrysene	1.270	1.329	-4.6	79	0.00
37 T	Bis(2-ethylhexyl)phthalate	*1000.000	1117.035	-11.7	92	0.00
38 i	Perylene-d12	1.000	1.000	0.0	82	0.00
39 t	Benzo[b]fluoranthene	1.265	1.421	-12.3	93	0.00
40 t	Benzo[k]fluoranthene	1.282	1.281	0.1	78	0.00
41 t	Benzo[a]pyrene	1.119	1.263	-12.9	88	0.00
42 t	Indeno[1,2,3-cd]pyrene	1.063	1.226	-15.3	90	0.00
43 t	Dibenzo[a,h]anthracene	1.054	1.153	-9.4	87	0.00
44 t	Benzo[g,h,i]perylene	1.096	1.214	-10.8	88	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : ccv0922.D
 Acq On : 22 Sep 2025 07:08 am
 Operator : SV125:slr
 Sample : WG2117833-3,32,,ICV 11696 (0920)
 Misc : WG2117833,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 22 07:28:17 2025
 Quant Method : I:\8270SIM\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:55 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.293	152	239729	4000.000	ng/ml	0.00
9) Naphthalene-d8	2.954	136	948926	4000.000	ng/ml	0.00
18) Acenaphthene-d10	3.927	164	516948	4000.000	ng/ml	0.00
23) Phenanthrene-d10	4.763	188	1041268	4000.000	ng/ml	0.00
33) Chrysene-d12	6.303	240	929857	4000.000	ng/ml	0.00
38) Perylene-d12	7.379	264	939921	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.696	112	74359	1256.104	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	62.81%		
4) Phenol-d6	2.110	99	90089	1231.821	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	61.59%		
8) Nitrobenzene-d5	2.572	82	79702	1364.728	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	136.47%#		
14) 2-Fluorobiphenyl	3.554	172	197552	1020.120	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	102.01%		
22) 2,4,6-Tribromophenol	4.371	330	29920	1556.770	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	77.84%		
32) 4-Terphenyl-d14	5.683	244	212726	1019.410	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	101.94%		
Target Compounds						
					Qvalue	
2) N-Nitrosodimethylamine	1.195	74	44447	1144.370	ng/mL	96
5) Bis(2-chloroethyl)ether	2.160	93	70334	1066.633	ng/ml	97
6) n-nitrosodi-n-propylamine	2.497	70	51951	1185.703	ng/ml	95
7) Hexachloroethane	2.550	117	31616	1051.097	ng/ml	94
10) Naphthalene	2.966	128	244803	975.596	ng/ml	100
11) Hexachlorobutadiene	3.043	225	45667	1098.509	ng/ml	100
12) 2-Methylnaphthalene	3.347	142	153397	1047.436	ng/ml	99
13) 1-Methylnaphthalene	3.399	142	156083	992.004	ng/ml	99
15) 2-Chloronaphthalene	3.614	162	164296	999.606	ng/ml	99
16) 2,6-Dinitrotoluene	3.811	165	38707	1275.779	ng/ml#	86
17) Acenaphthylene	3.844	152	275059	1058.500	ng/ml	100
19) Acenaphthene	3.945	153	171759	1039.269	ng/ml	97
20) 2,4-Dinitrotoluene	4.036	165	53529	1223.826	ng/ml	97
21) Fluorene	4.235	166	195858	1058.295	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.266	198	29081	1223.543	ng/ml	97
25) Hexachlorobenzene	4.550	284	61255	1083.512	ng/ml	96
26) Pentachlorophenol	4.660	266	30738	1489.628	ng/ml	99
27) Phenanthrene	4.775	178	298101	1002.295	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : ccv0922.D
 Acq On : 22 Sep 2025 07:08 am
 Operator : SV125:slr
 Sample : WG2117833-3,32,,ICV 11696 (0920)
 Misc : WG2117833,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 22 07:28:17 2025
 Quant Method : I:\8270SIM\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 07:28:55 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28)	Anthracene	4.801	178	290410	1023.540	ng/ml	100
29)	Fluoranthene	5.452	202	337862	1050.431	ng/ml	99
30)	Pyrene	5.580	202	348468	1055.566	ng/ml	100
31)	Benizidine	5.532	184	95923	801.825	ng/mL	100
34)	Benzo[a]anthracene	6.297	226	94453	1055.242	ng/ml	99
35)	3,3'-Dichlorobenzidine	6.289	252	127541	1061.071	ng/ml	99
36)	Chrysene	6.319	228	309056	1046.657	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.344	149	192736	1117.035	ng/ml	98
39)	Benzo[b]fluoranthene	7.046	252	333889	1122.929	ng/ml	95
40)	Benzo[k]fluoranthene	7.068	252	300901	998.678	ng/ml	95
41)	Benzo[a]pyrene	7.323	252	296793	1129.199	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.478	276	288007	1153.253	ng/ml	97
43)	Dibenzo[a,h]anthracene	8.513	278	270904M6	1094.076	ng/ml	
44)	Benzo[g,h,i]perylene	8.785	276	285316	1108.241	ng/ml	99

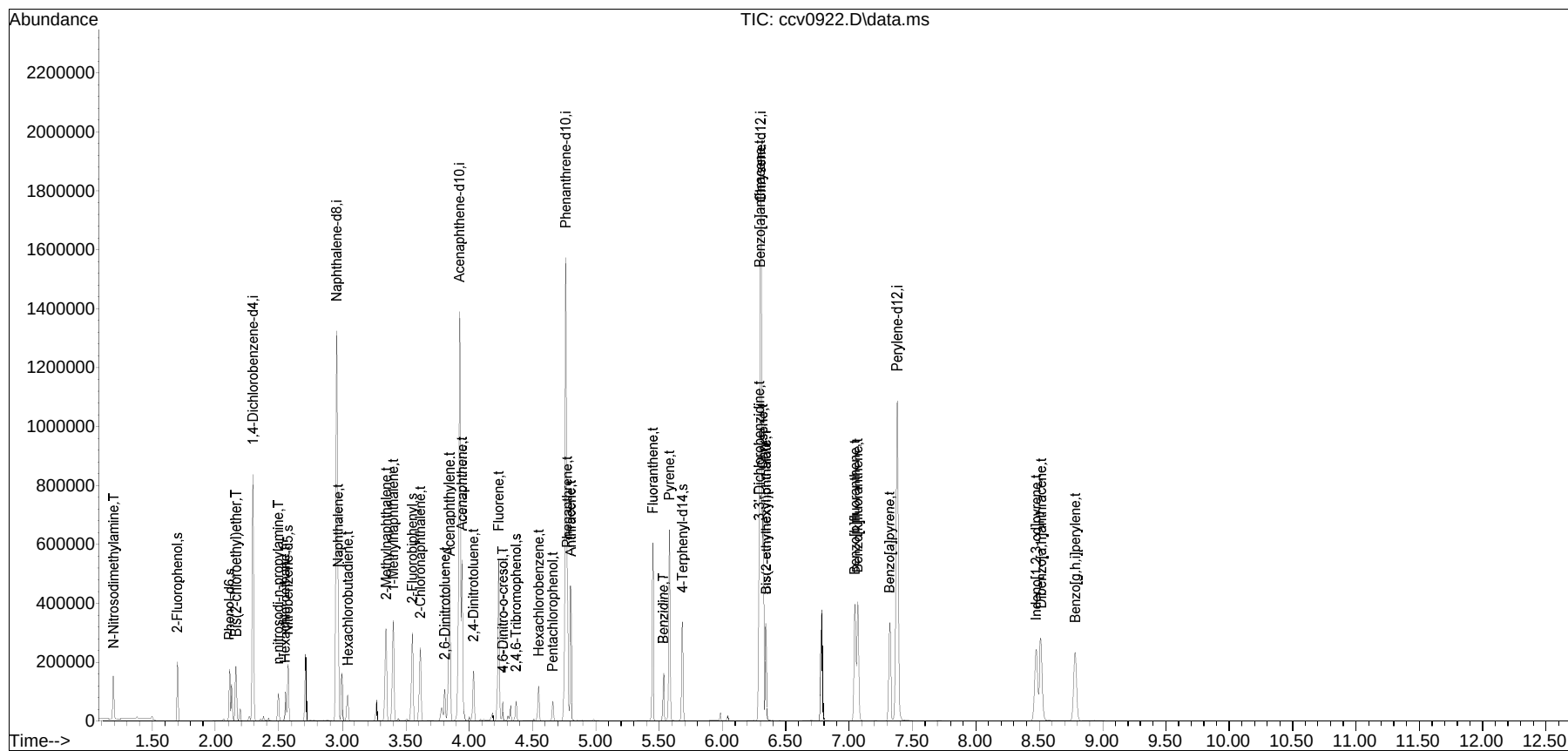
(#) = qualifier out of range (m) = manual integration (+) = signals summed

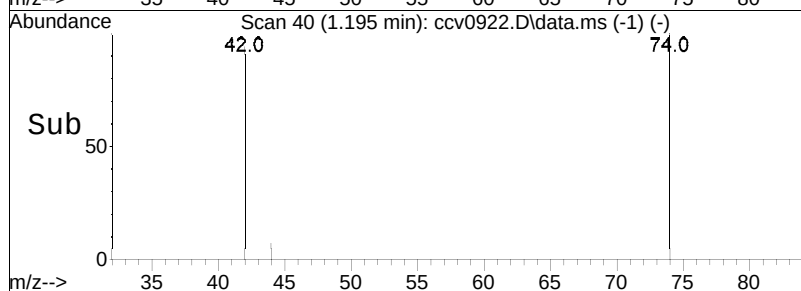
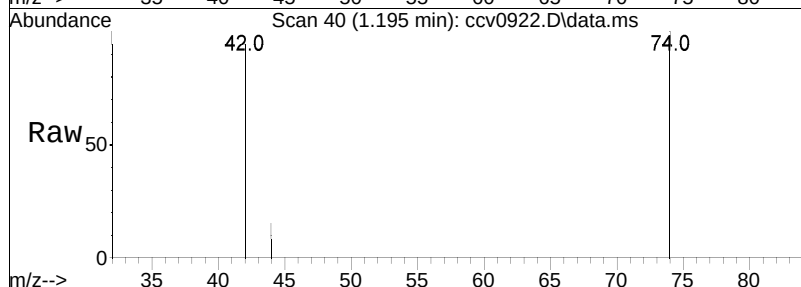
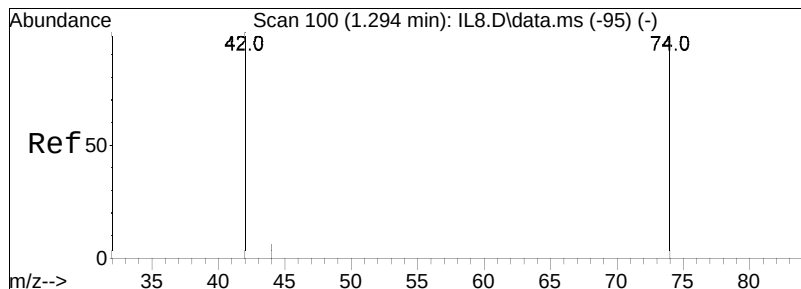
(QT Reviewed)

Data Path : I:\8270SIM\SV125\250922RVT\
Data File : ccv0922.D
Acq On : 22 Sep 2025 07:08 am
Operator : SV125:slr
Sample : WG2117833-3,32,,ICV 11696 (0920)
Misc : WG2117833,,ical22616
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 22 07:28:17 2025
Quant Method : I:\8270SIM\SV125\250922RVT\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 22 07:28:55 2025
Response via : Initial Calibration

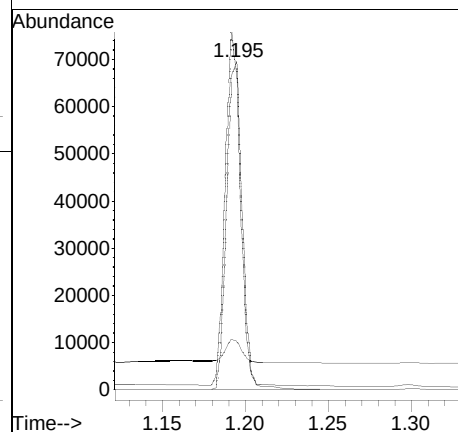
Sub List : Default - All compounds listed

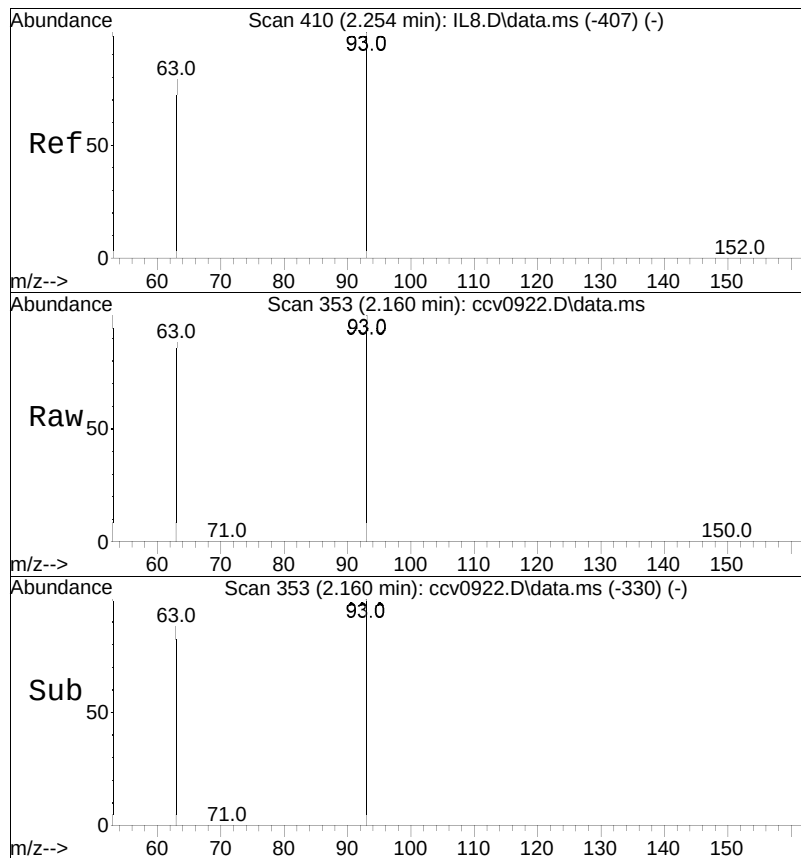




#2
 N-Nitrosodimethylamine
 Concen: 1144.37 ng/mL
 RT: 1.195 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

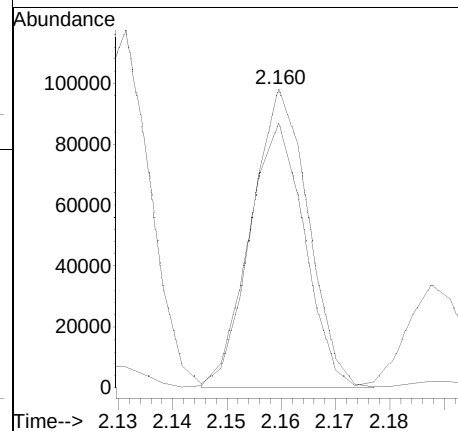
Tgt Ion: 74 Resp: 44447
 Ion Ratio Lower Upper
 74 100
 42 103.8 86.9 130.3
 44 8.5 5.8 8.8

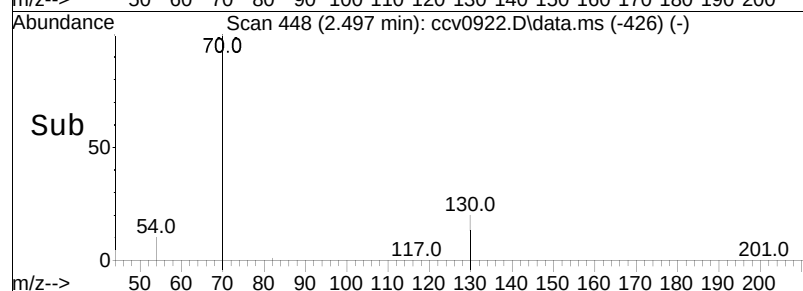
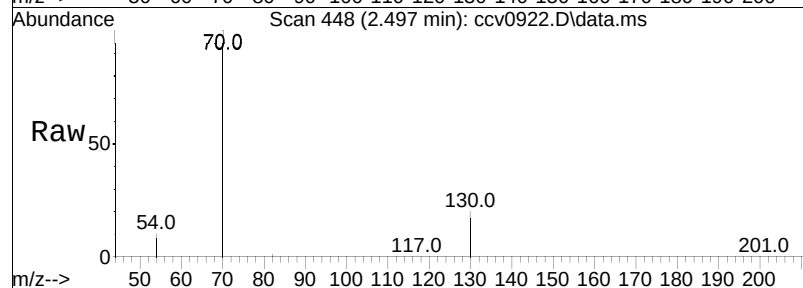
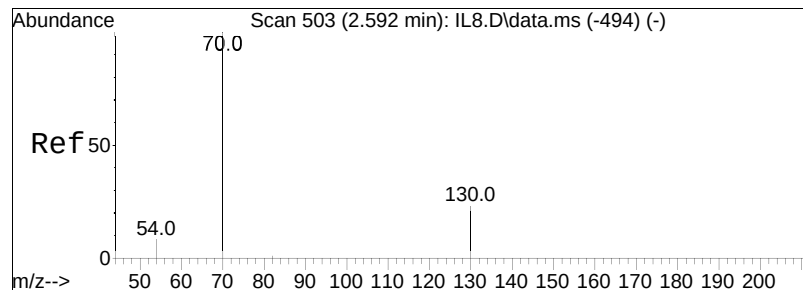




#5
 Bis(2-chloroethyl)ether
 Concen: 1066.63 ng/ml
 RT: 2.160 min Scan# 353
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

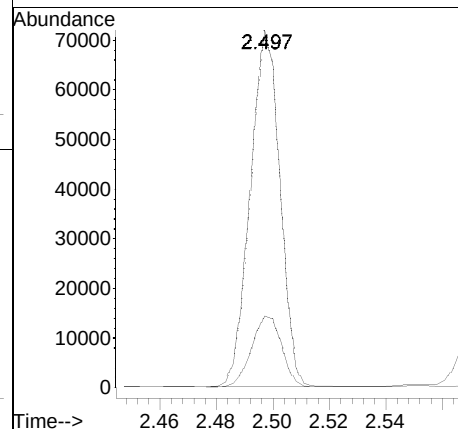
Tgt Ion	Ratio	Lower	Upper
93	100		
63	88.4	68.6	103.0

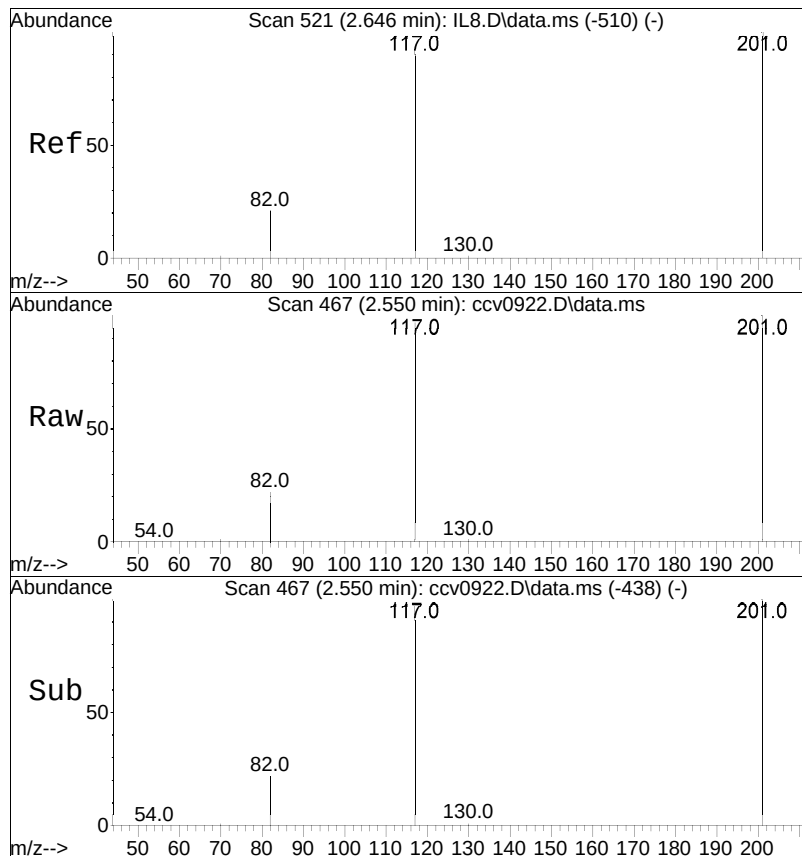




#6
 n-nitrosodi-n-propylamine
 Concen: 1185.70 ng/ml
 RT: 2.497 min Scan# 448
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

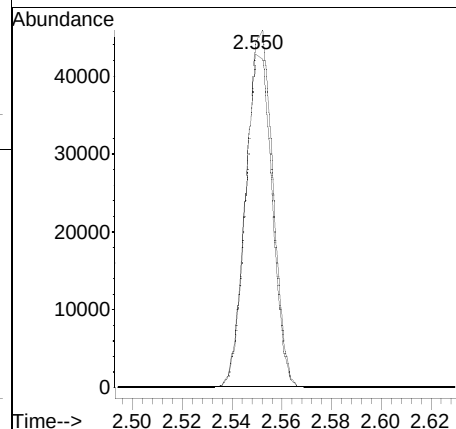
Tgt Ion	Ratio	Lower	Upper
70	100		
130	20.5	18.4	27.6

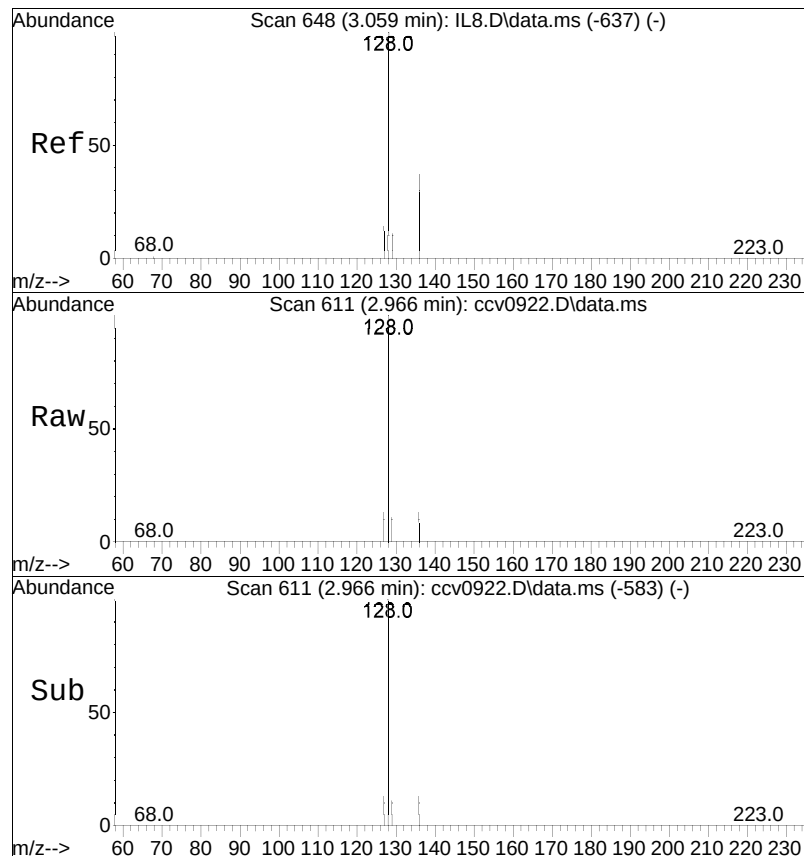




#7
 Hexachloroethane
 Concen: 1051.10 ng/ml
 RT: 2.550 min Scan# 467
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

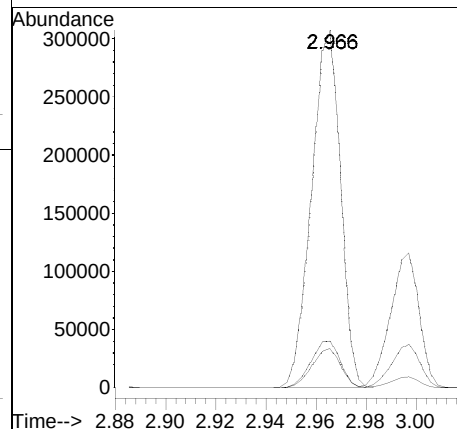
Tgt Ion	117	201	Resp	31616
Ion Ratio	100	106.0	Lower	Upper
			80.2	120.2

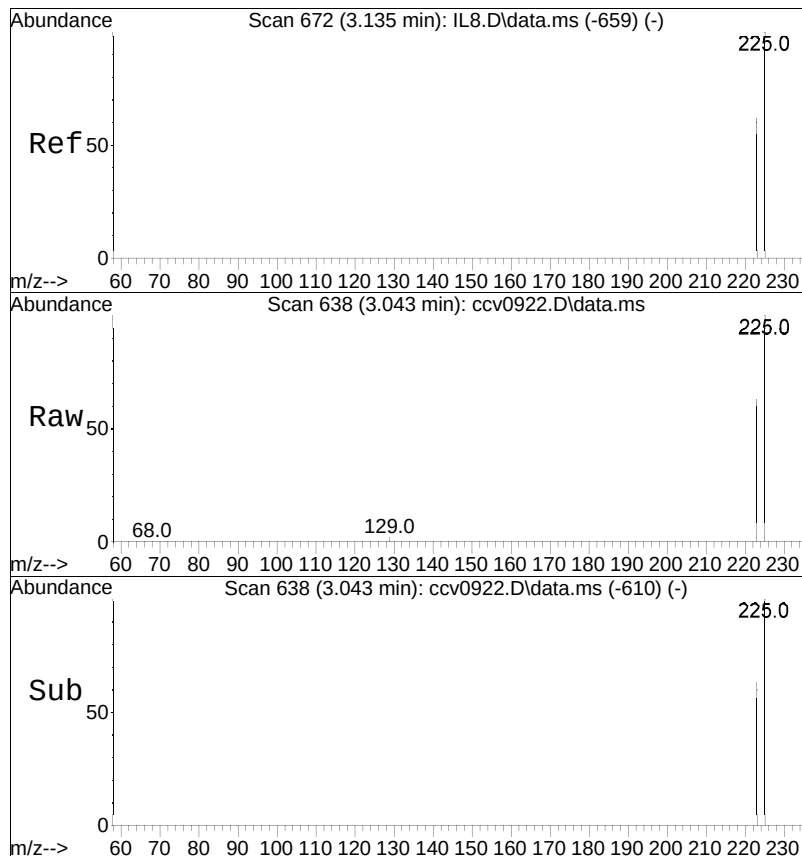




#10
 Naphthalene
 Concen: 975.60 ng/ml
 RT: 2.966 min Scan# 611
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

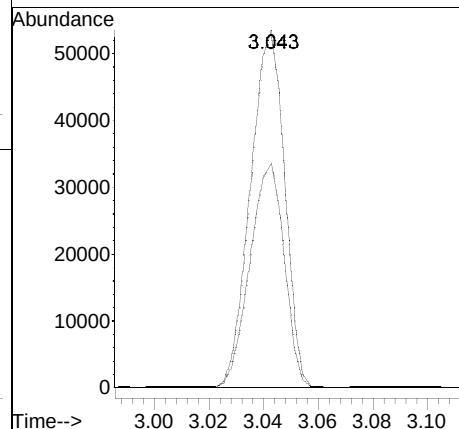
Tgt	Ion:128	Resp:	244803
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.6	15.8

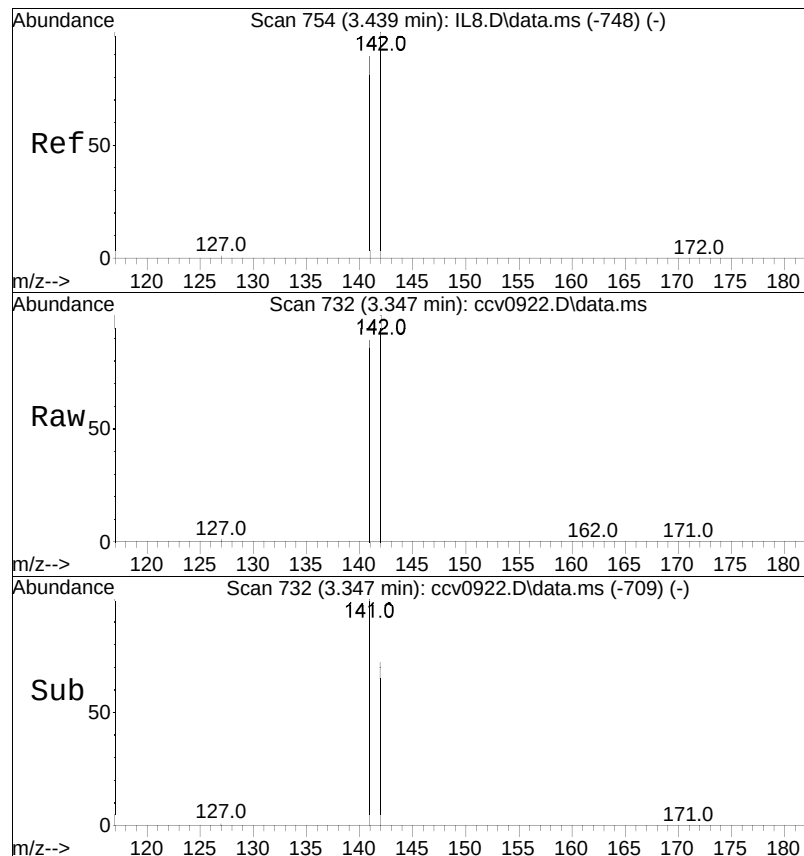




#11
 Hexachlorobutadiene
 Concen: 1098.51 ng/ml
 RT: 3.043 min Scan# 638
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

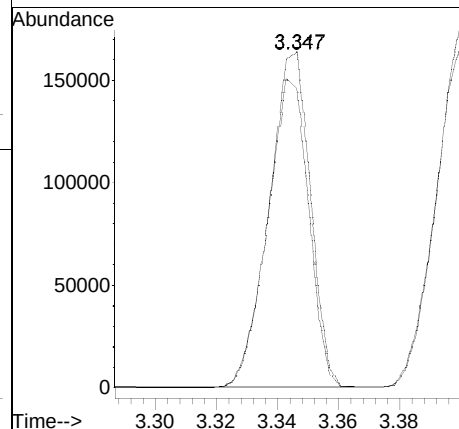
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	75.8

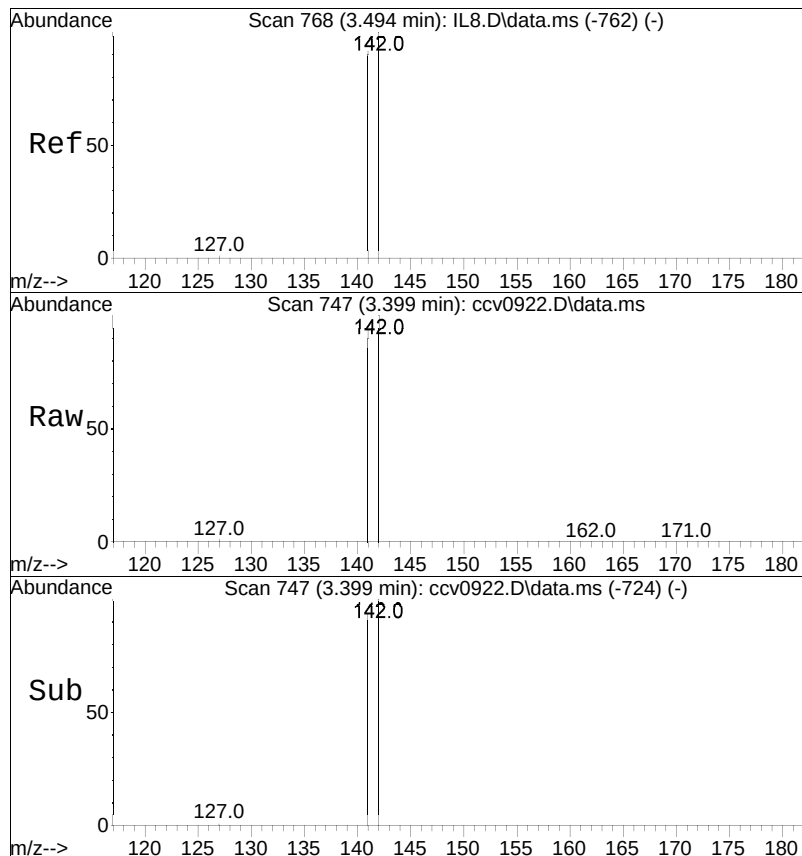




#12
 2-Methylnaphthalene
 Concen: 1047.44 ng/ml
 RT: 3.347 min Scan# 732
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

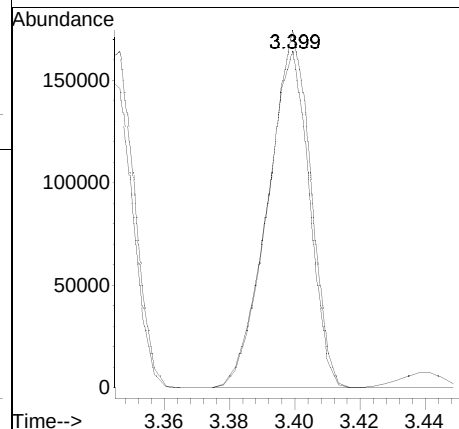
Tgt Ion:	142	Resp:	153397
Ion Ratio	Lower	Upper	
142	100		
141	92.0	74.2	111.4

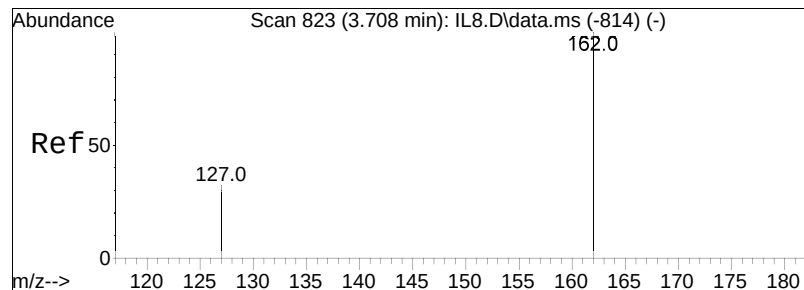




#13
 1-Methylnaphthalene
 Concen: 992.00 ng/ml
 RT: 3.399 min Scan# 747
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

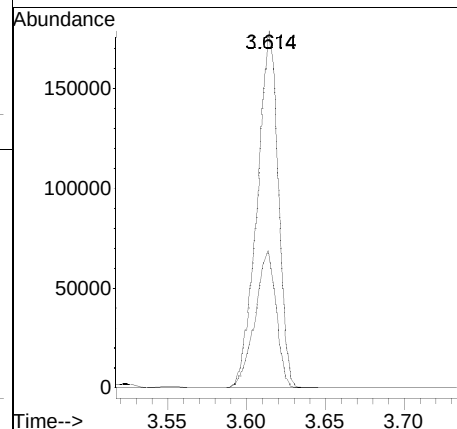
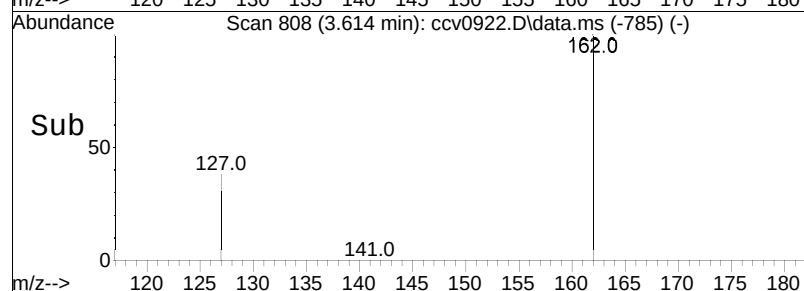
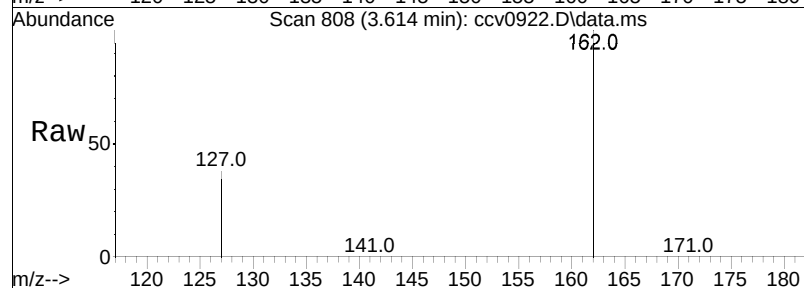
Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.9	76.3	114.5

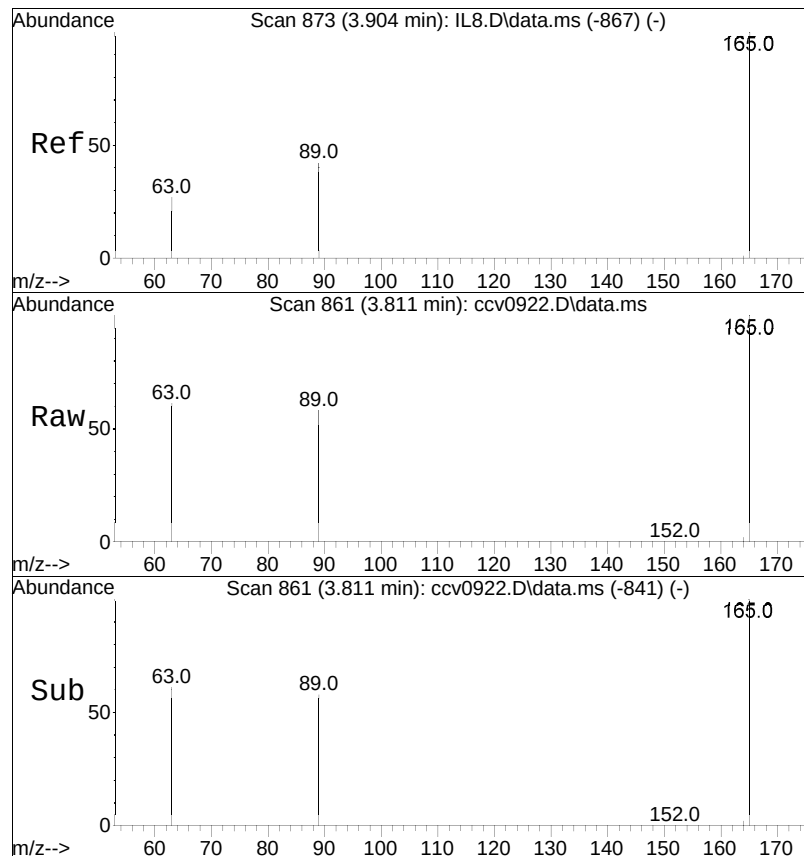




#15
 2-Chloronaphthalene
 Concen: 999.61 ng/ml
 RT: 3.614 min Scan# 808
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

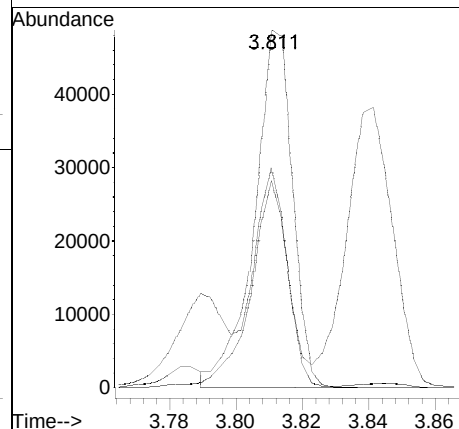
Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.3	30.0	45.0

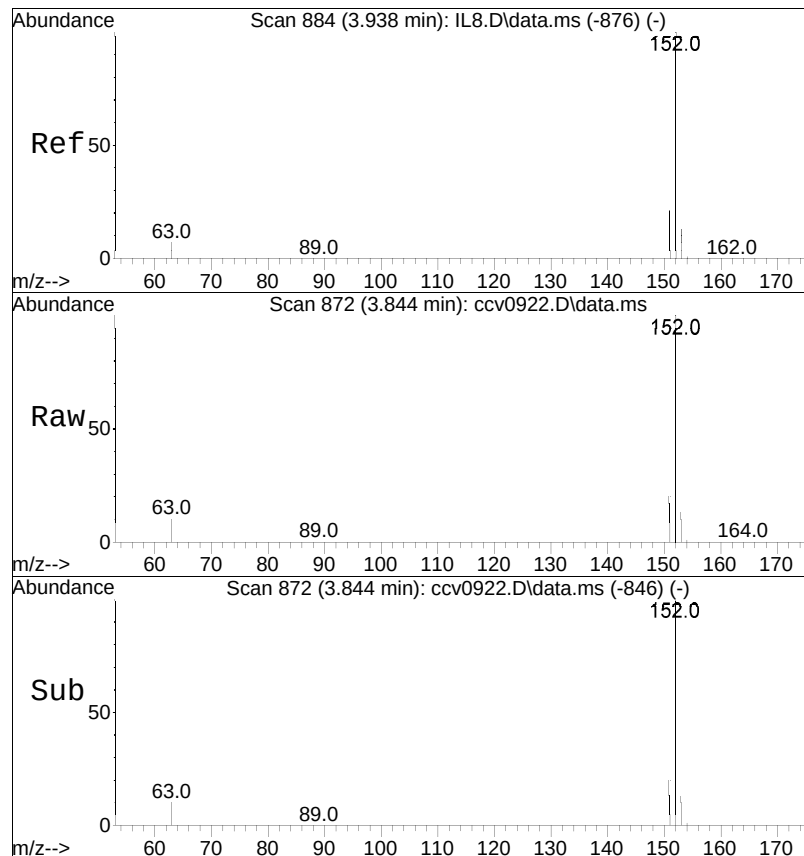




#16
 2,6-Dinitrotoluene
 Concen: 1275.78 ng/ml
 RT: 3.811 min Scan# 861
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

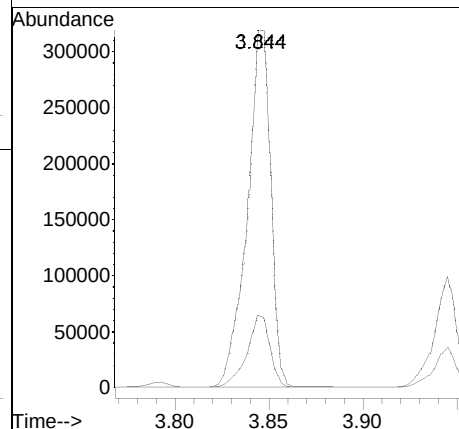
Tgt Ion	Ratio	Lower	Upper
165	100		
89	72.1	43.1	64.7#
63	55.9	43.4	65.2

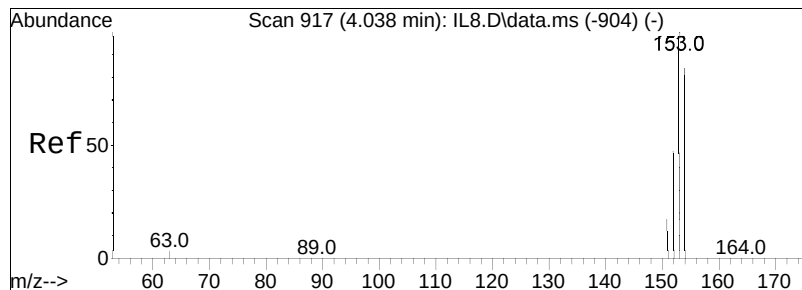




#17
 Acenaphthylene
 Concen: 1058.50 ng/ml
 RT: 3.844 min Scan# 872
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

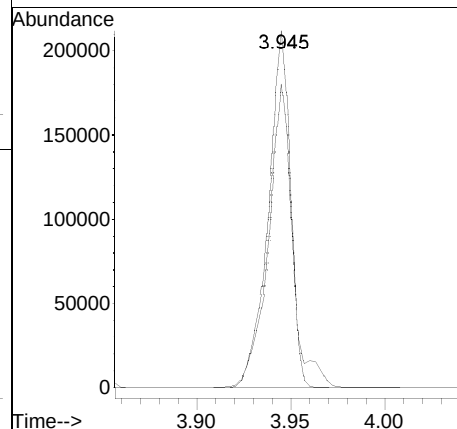
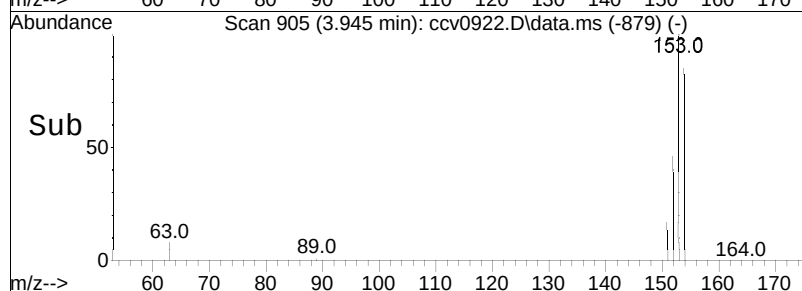
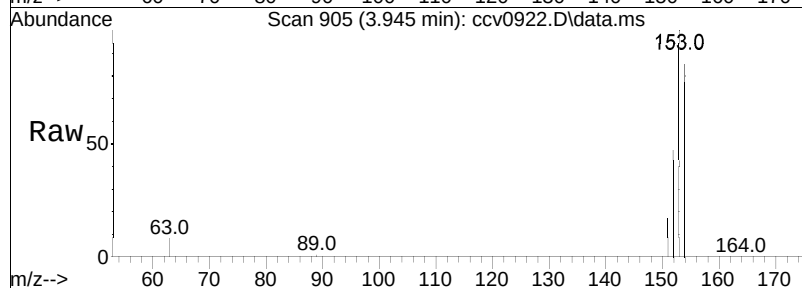
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.1	24.1

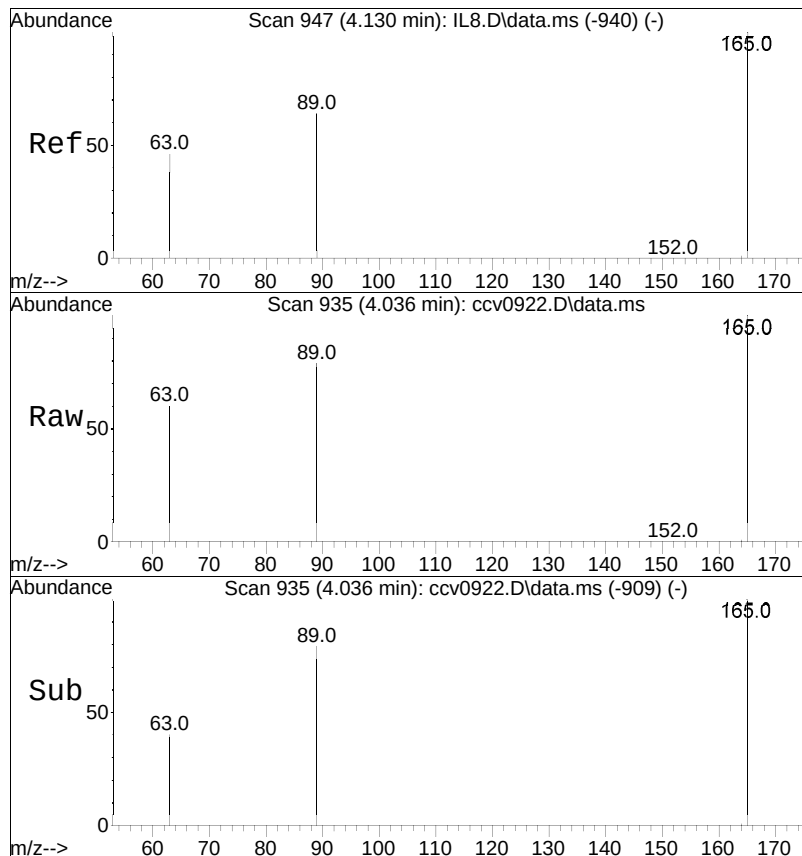




#19
 Acenaphthene
 Concen: 1039.27 ng/ml
 RT: 3.945 min Scan# 905
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

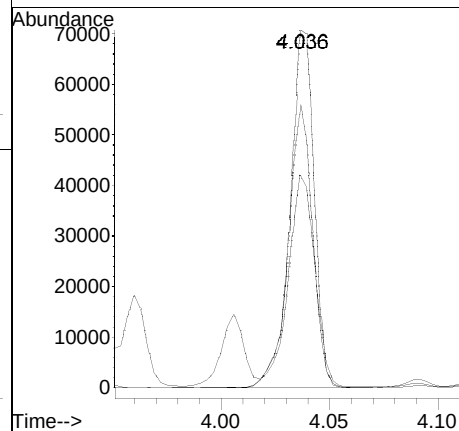
Tgt Ion	Ratio	Lower	Upper
153	100		
154	92.8	72.2	108.4

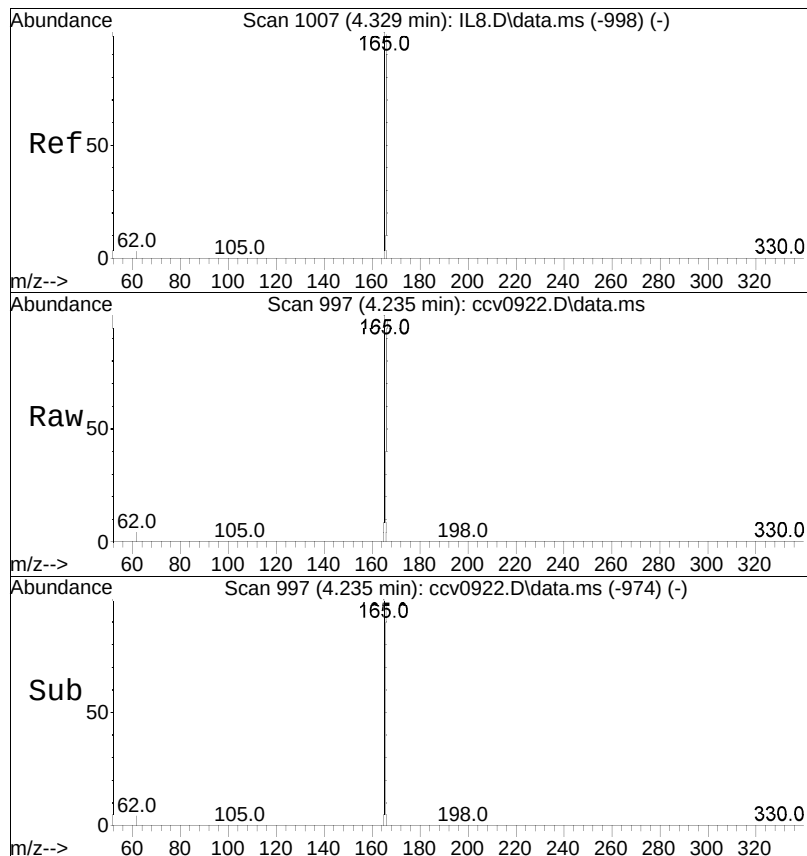




#20
 2,4-Dinitrotoluene
 Concen: 1223.83 ng/ml
 RT: 4.036 min Scan# 935
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

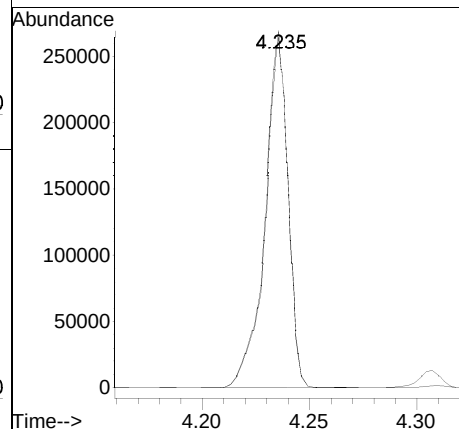
Tgt Ion:	165	Resp:	53529
Ion Ratio	Lower	Upper	
165	100		
89	80.8	62.5	93.7
63	65.1	53.8	80.6

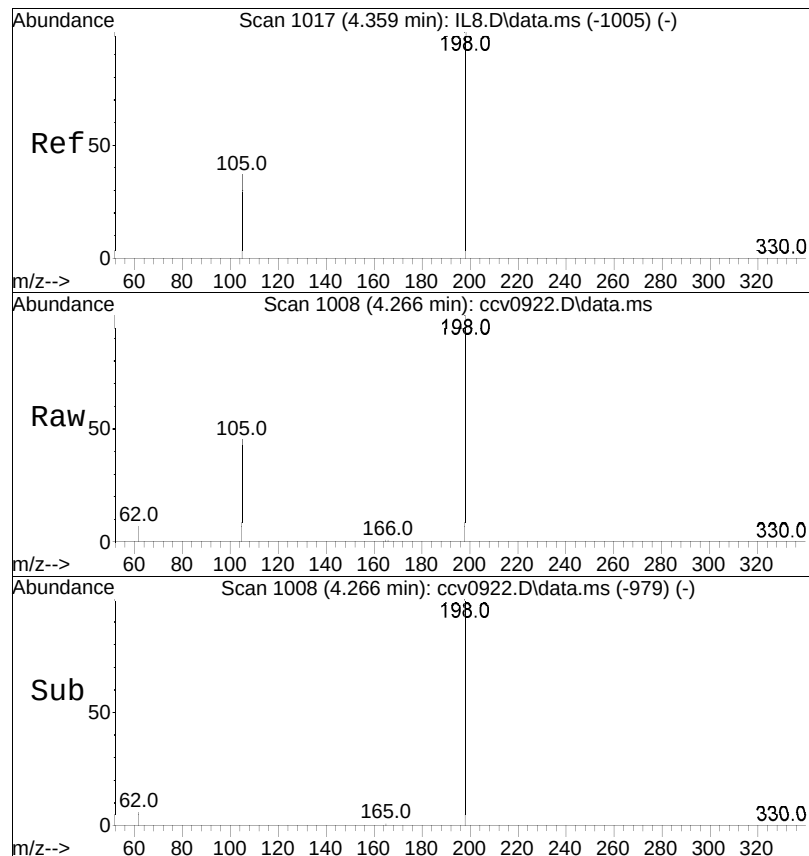




#21
Fluorene
Concen: 1058.30 ng/ml
RT: 4.235 min Scan# 997
Delta R.T. 0.000 min
Lab File: ccv0922.D
Acq: 22 Sep 2025 07:08 am

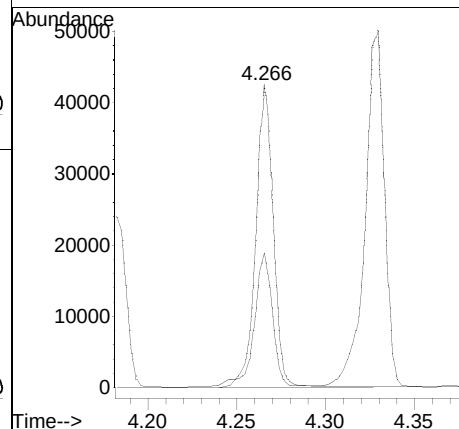
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.8	81.5	122.3

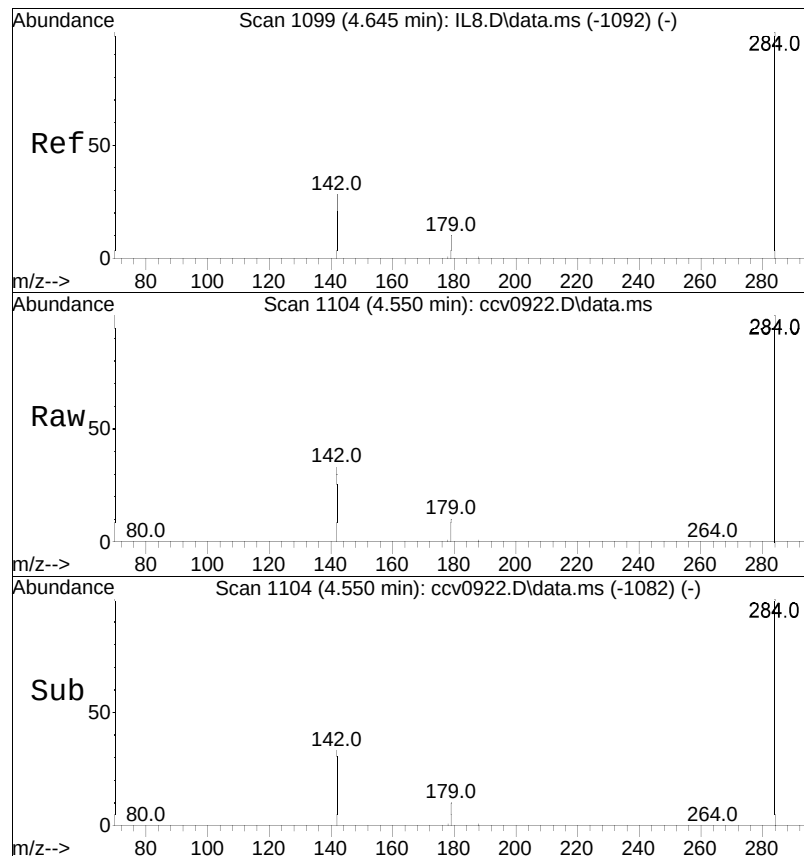




#24
 4,6-Dinitro-o-cresol
 Concen: 1223.54 ng/ml
 RT: 4.266 min Scan# 1008
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

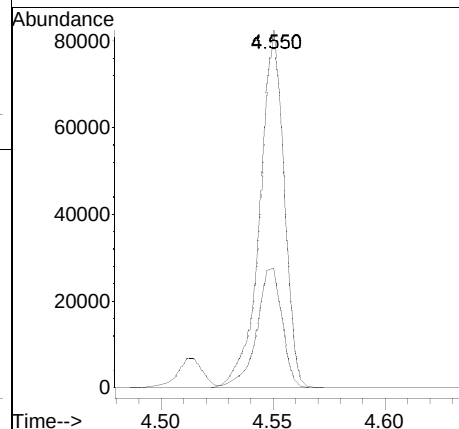
Tgt Ion	Ratio	Lower	Upper
198	100		
105	46.4	35.4	53.0

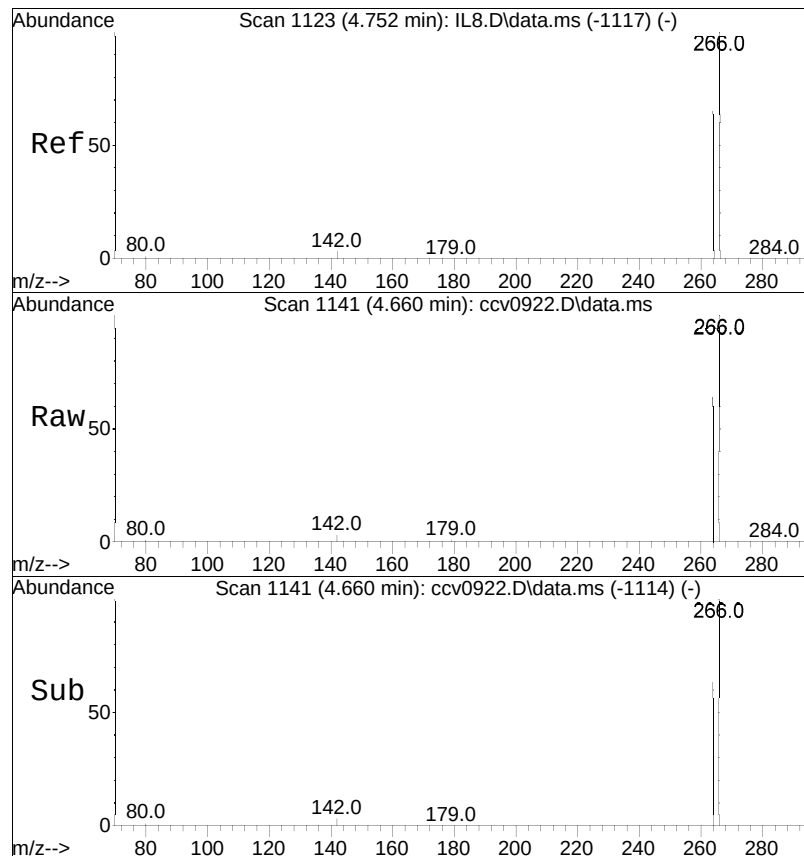




#25
 Hexachlorobenzene
 Concen: 1083.51 ng/ml
 RT: 4.550 min Scan# 1104
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

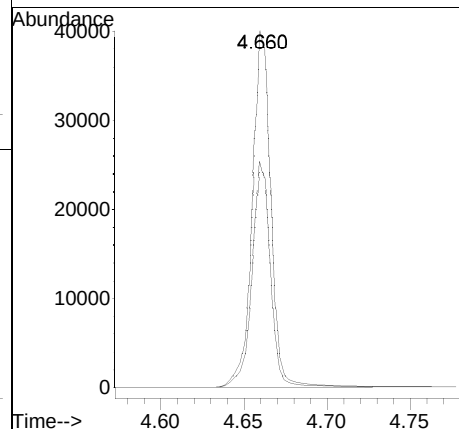
Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.6	29.4	44.2

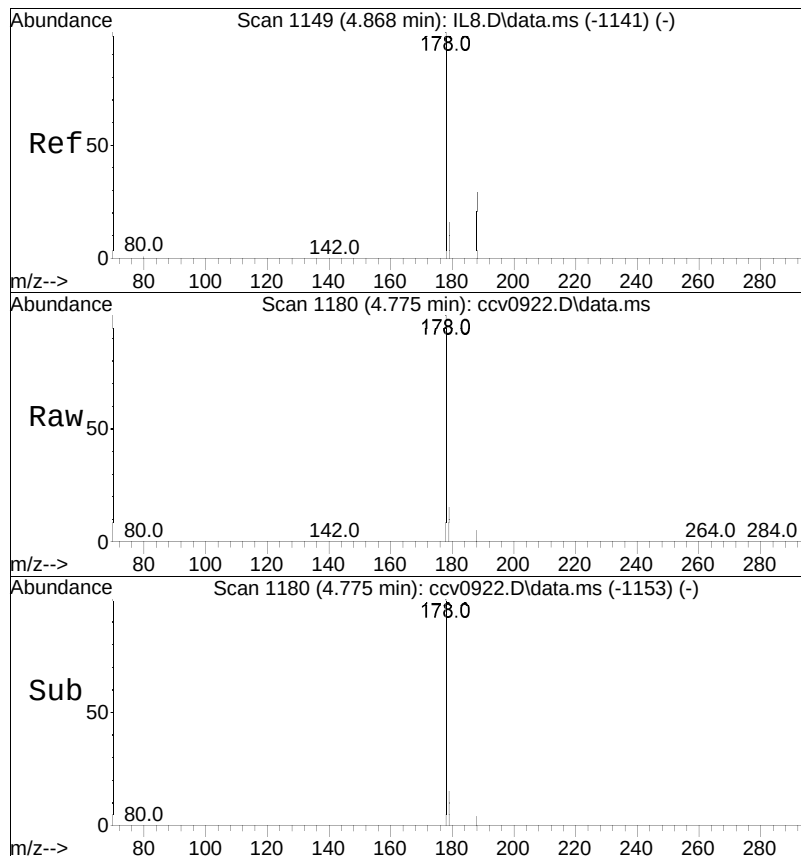




#26
 Pentachlorophenol
 Concen: 1489.63 ng/ml
 RT: 4.660 min Scan# 1141
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

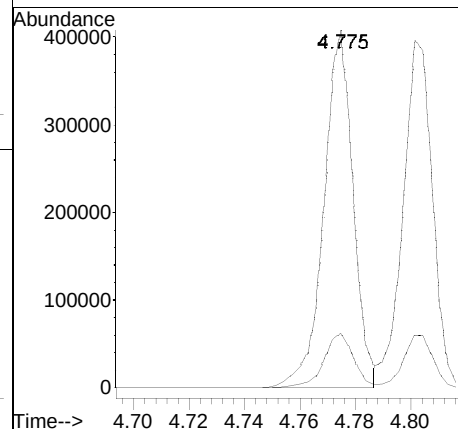
Tgt Ion:	266	Resp:	30738
Ion Ratio	Lower	Upper	
266	100		
264	63.0	49.9	74.9

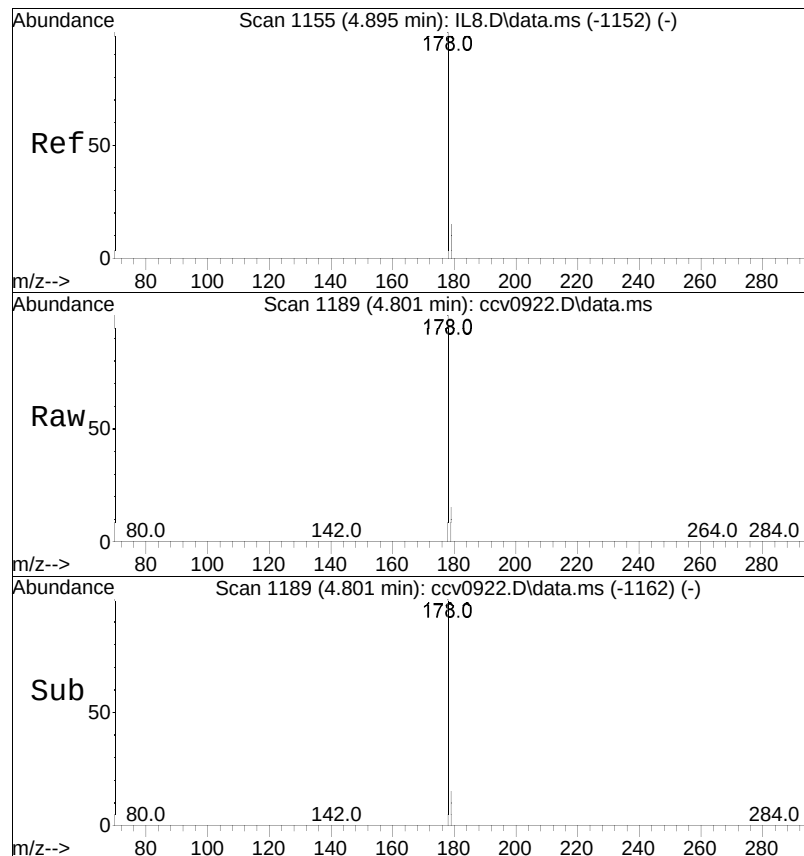




#27
 Phenanthrene
 Concen: 1002.30 ng/ml
 RT: 4.775 min Scan# 1180
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

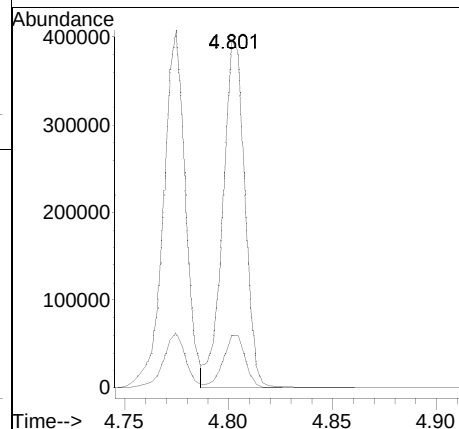
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7

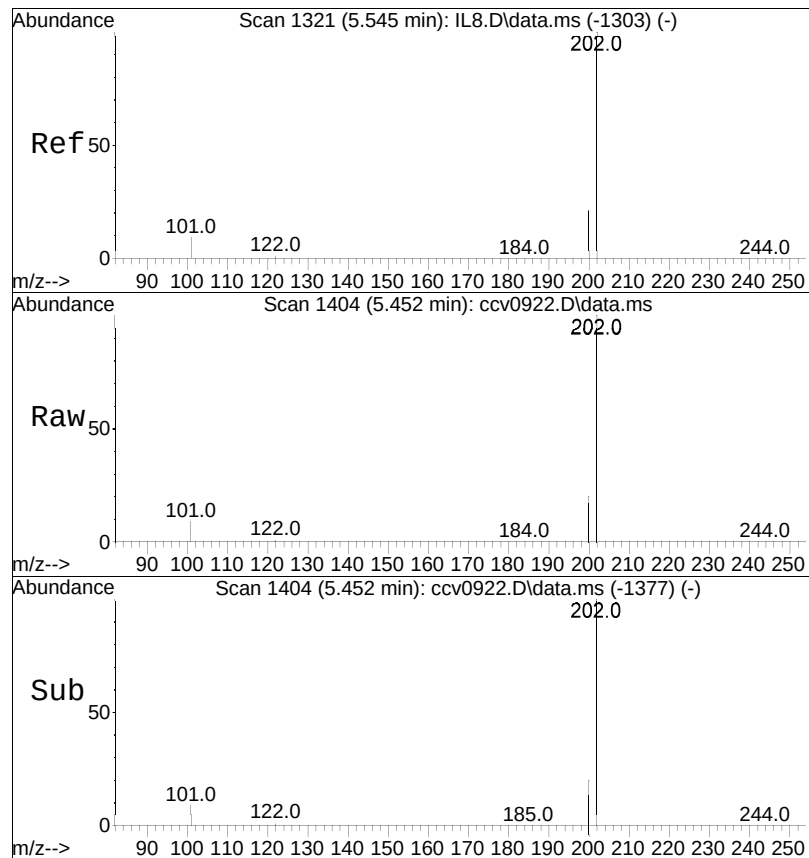




#28
 Anthracene
 Concen: 1023.54 ng/ml
 RT: 4.801 min Scan# 1189
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

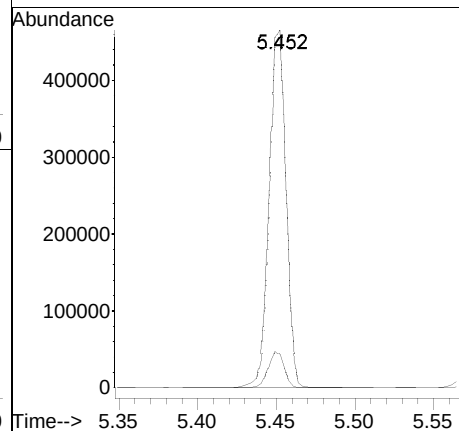
Tgt	Ion	Ratio	Lower	Upper
178	100			
179	15.4	12.3	18.5	

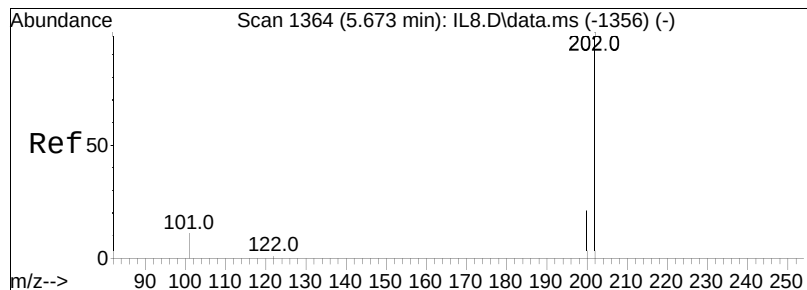




#29
 Fluoranthene
 Concen: 1050.43 ng/ml
 RT: 5.452 min Scan# 1404
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

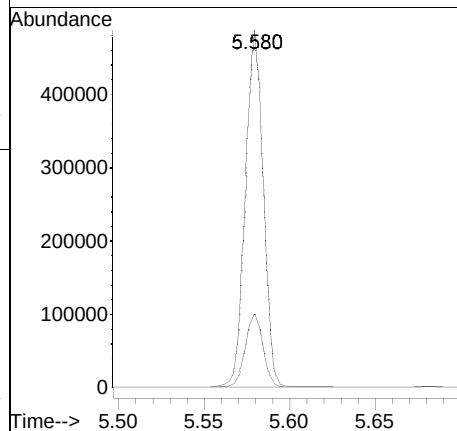
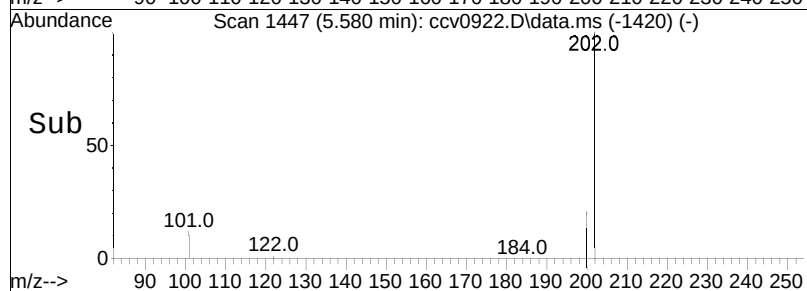
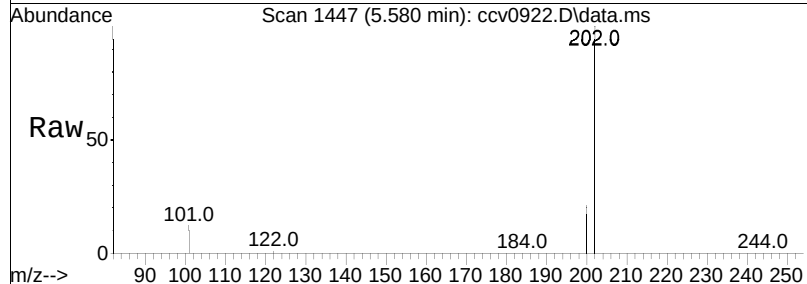
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		337862		
101	10.0			8.3	12.5

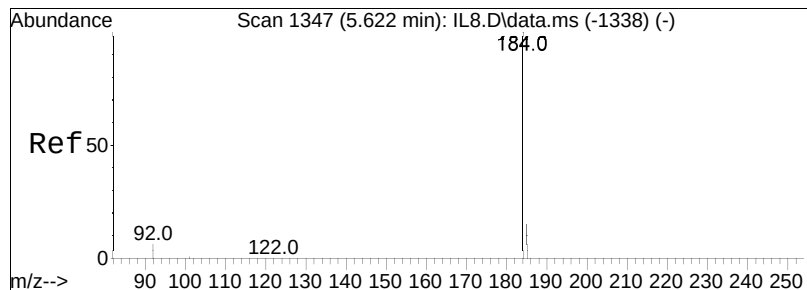




#30
 Pyrene
 Concen: 1055.57 ng/ml
 RT: 5.580 min Scan# 1447
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2





#31

Benzidine

Concen: 801.82 ng/mL

RT: 5.532 min Scan# 1431

Delta R.T. 0.000 min

Lab File: ccv0922.D

Acq: 22 Sep 2025 07:08 am

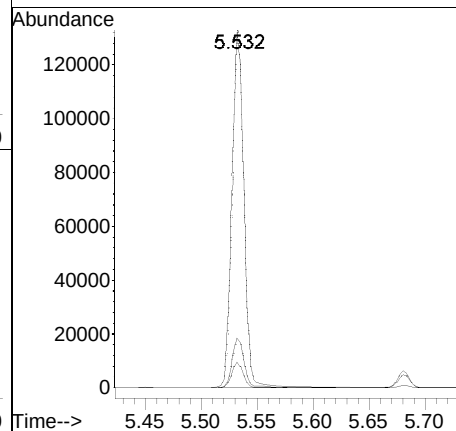
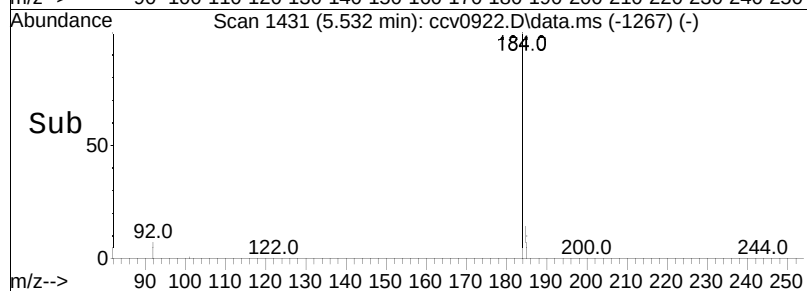
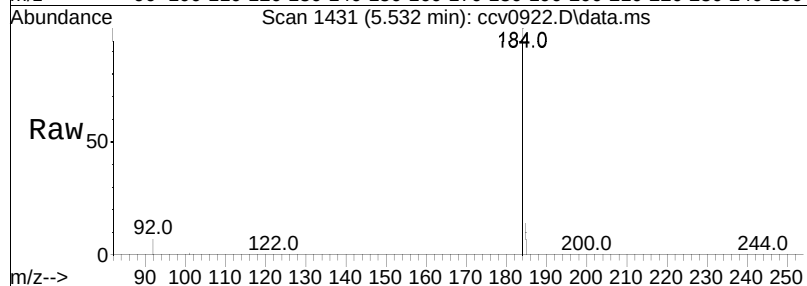
Tgt Ion:184 Resp: 95923

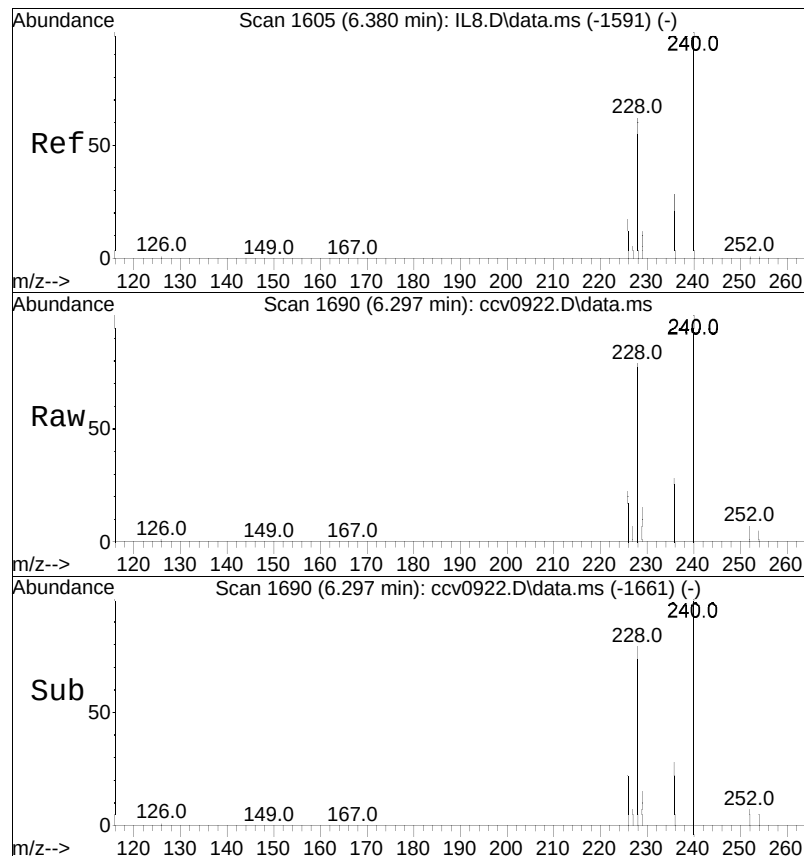
Ion Ratio Lower Upper

184 100

92 6.9 5.4 8.0

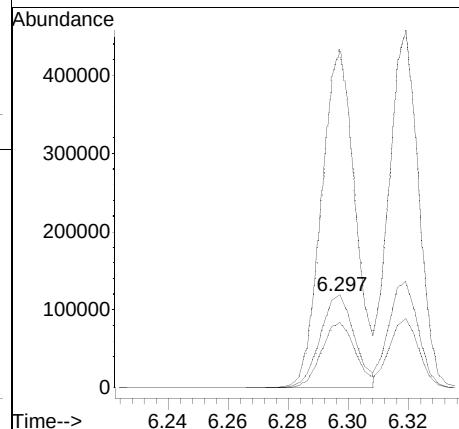
185 14.1 11.2 16.8

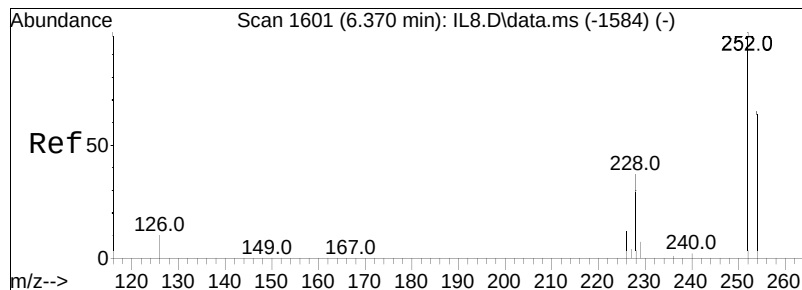




#34
 Benzo[a]anthracene
 Concen: 1055.24 ng/ml
 RT: 6.297 min Scan# 1690
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

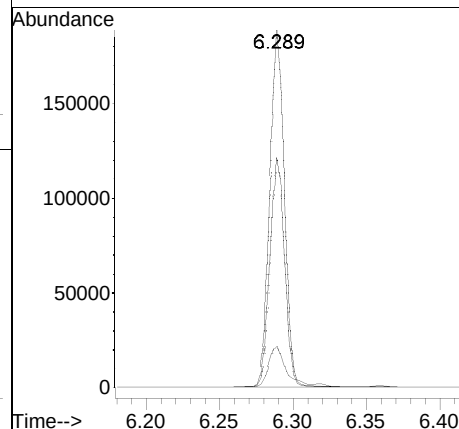
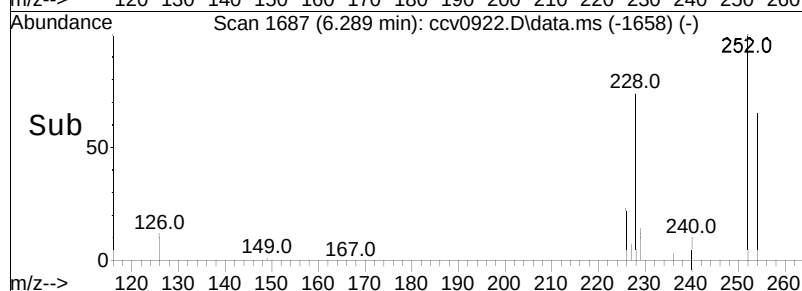
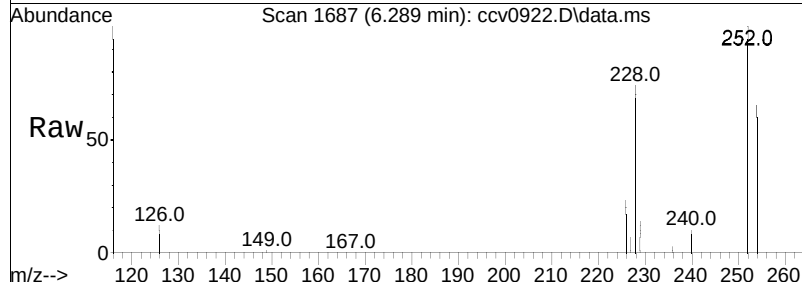
Tgt	Ion:226	Resp:	94453
Ion	Ratio	Lower	Upper
226	100		
229	69.8	56.4	84.6
228	357.6	287.5	431.3
229	69.8	56.4	84.6

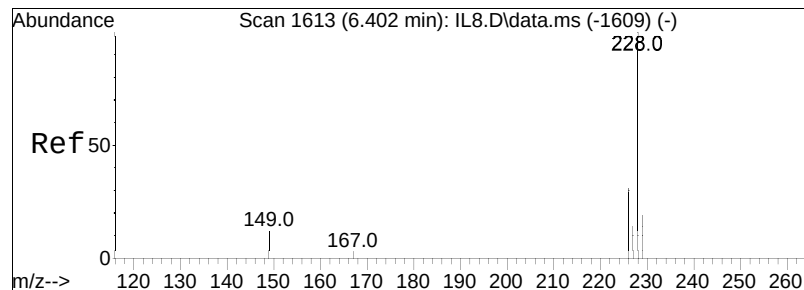




#35
 3,3'-Dichlorobenzidine
 Concen: 1061.07 ng/ml
 RT: 6.289 min Scan# 1687
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

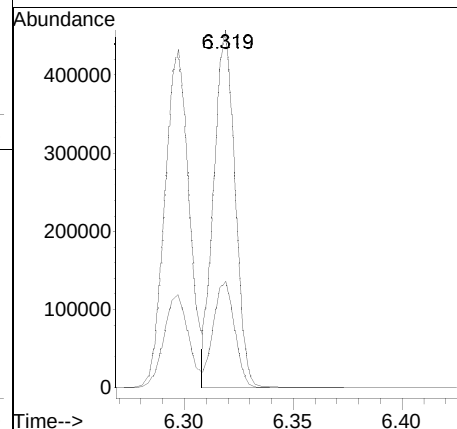
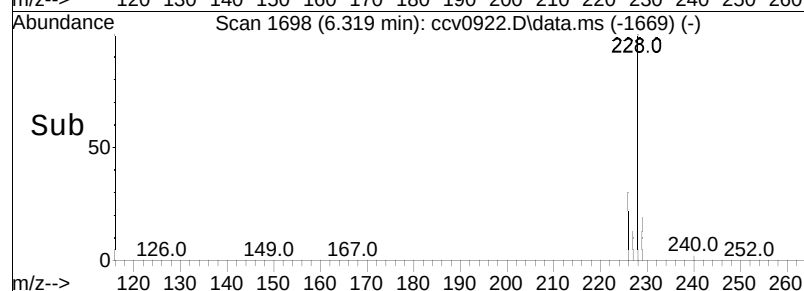
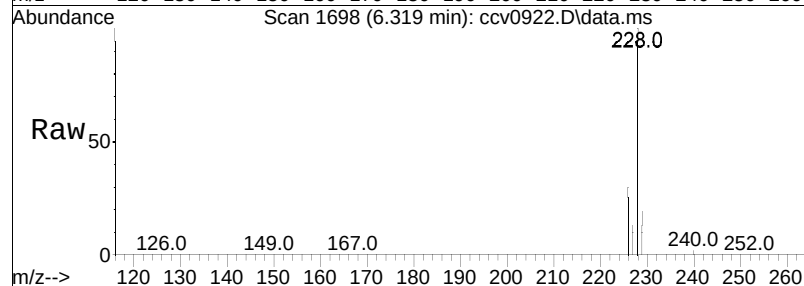
Tgt	Ion	Ratio	Lower	Upper
252	100			
126	14.0	10.6	16.0	
254	64.7	51.6	77.4	

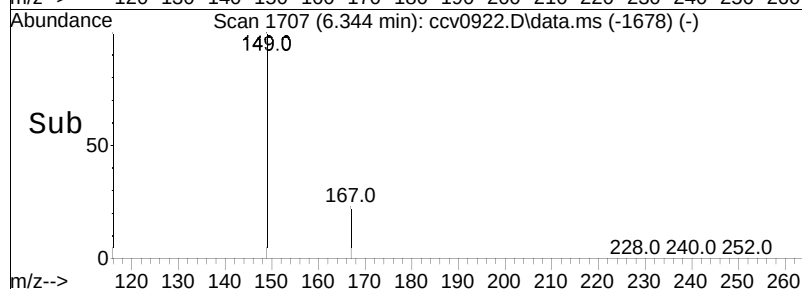
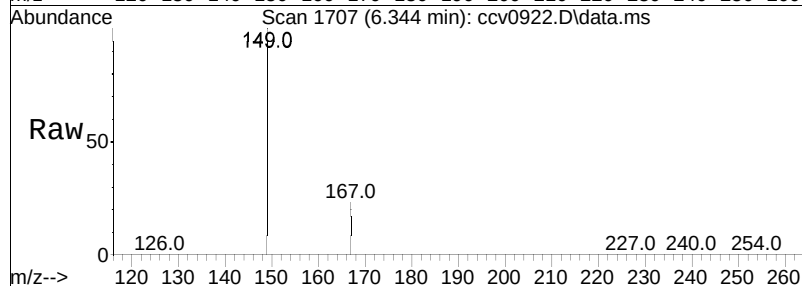
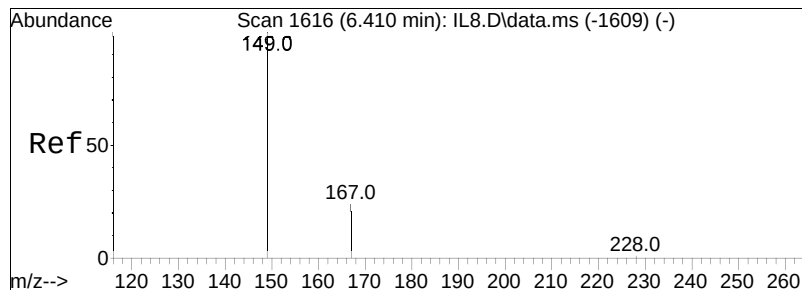




#36
 Chrysene
 Concen: 1046.66 ng/ml
 RT: 6.319 min Scan# 1698
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5





#37

Bis(2-ethylhexyl)phthalate

Concen: 1117.04 ng/ml

RT: 6.344 min Scan# 1707

Delta R.T. 0.000 min

Lab File: ccv0922.D

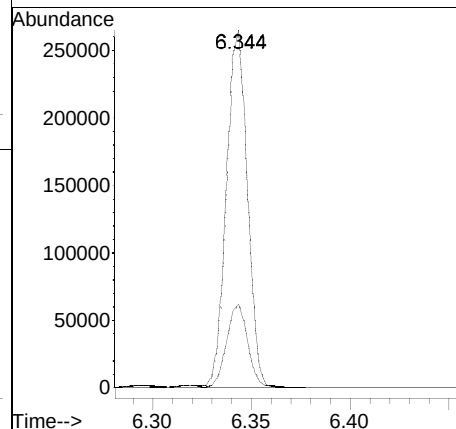
Acq: 22 Sep 2025 07:08 am

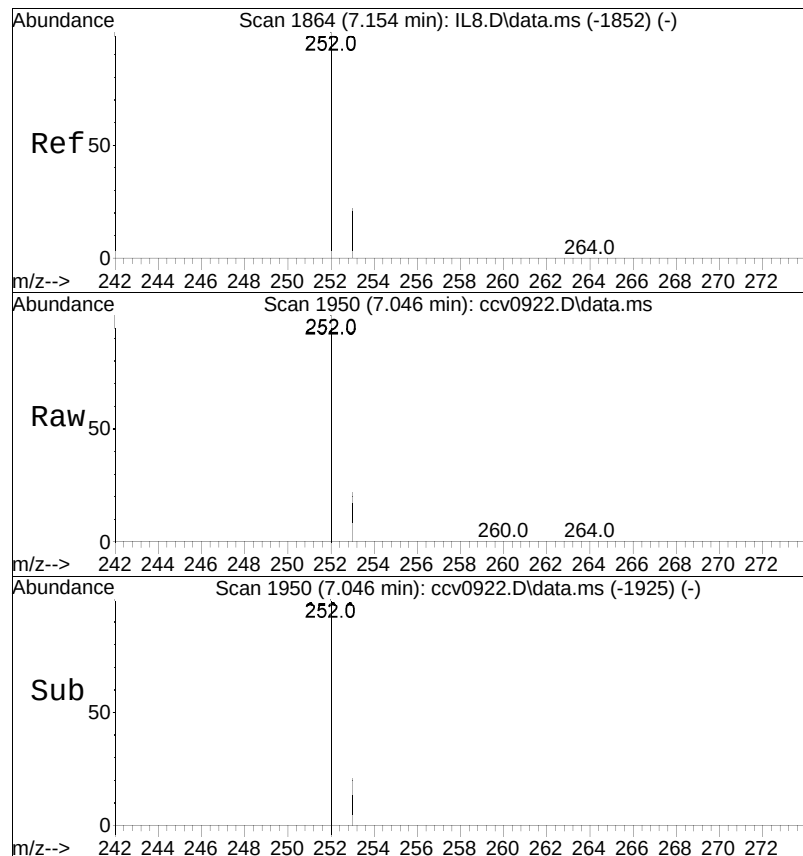
Tgt Ion:149 Resp: 192736

Ion Ratio Lower Upper

149 100

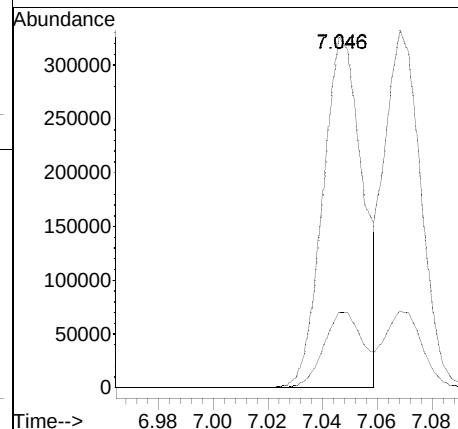
167 23.8 19.7 29.5

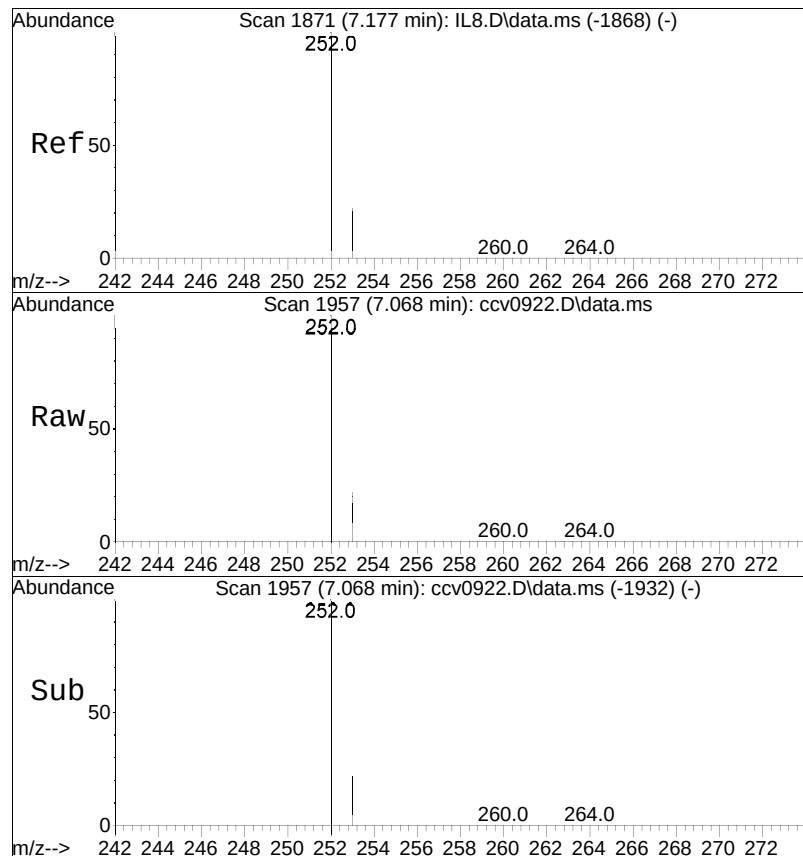




#39
 Benzo[b]fluoranthene
 Concen: 1122.93 ng/ml
 RT: 7.046 min Scan# 1950
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

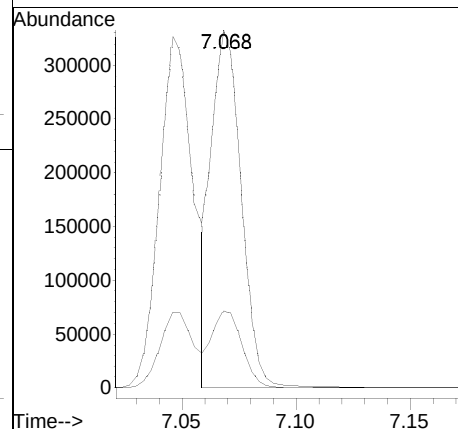
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.5	19.2	28.8	

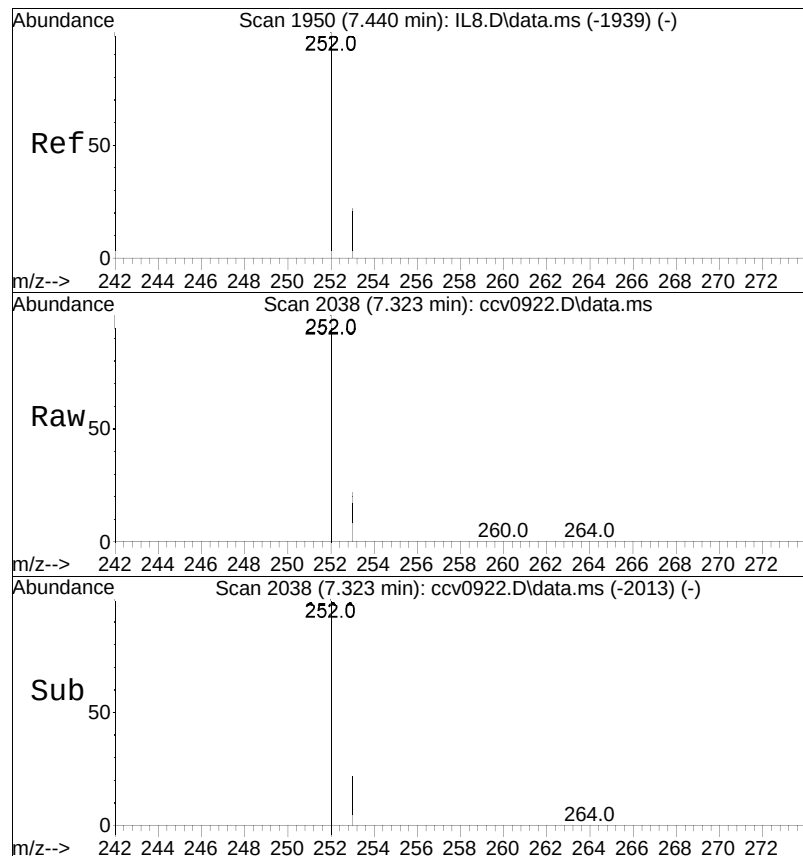




#40
 Benzo[k]fluoranthene
 Concen: 998.68 ng/ml
 RT: 7.068 min Scan# 1957
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

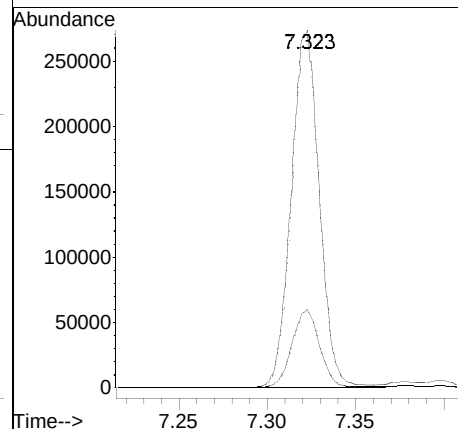
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	22.0	15.8	23.8	

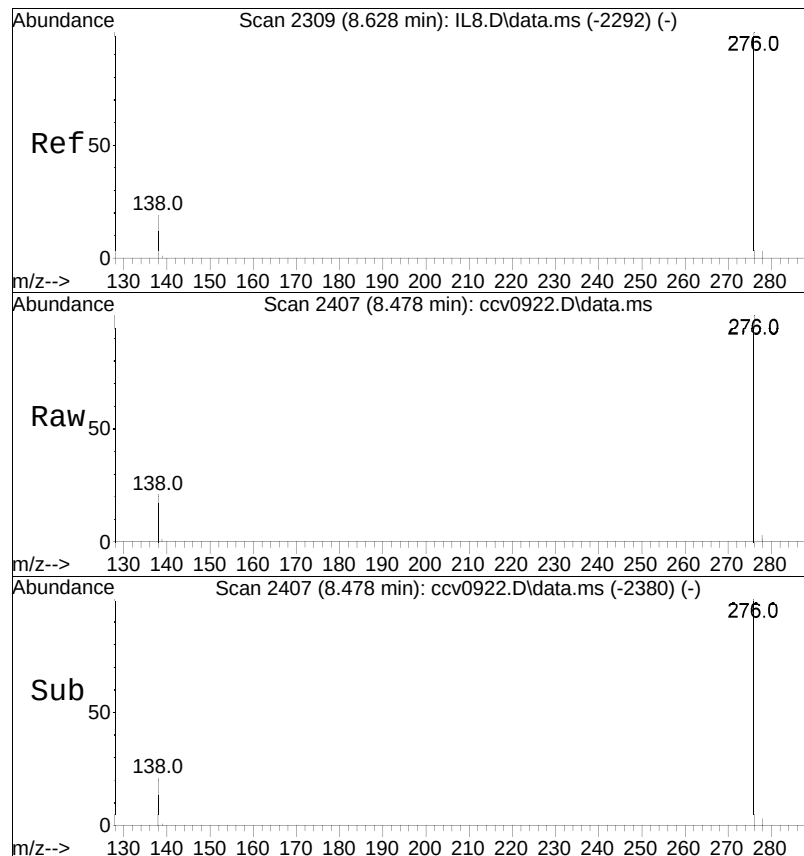




#41
 Benzo[a]pyrene
 Concen: 1129.20 ng/ml
 RT: 7.323 min Scan# 2038
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

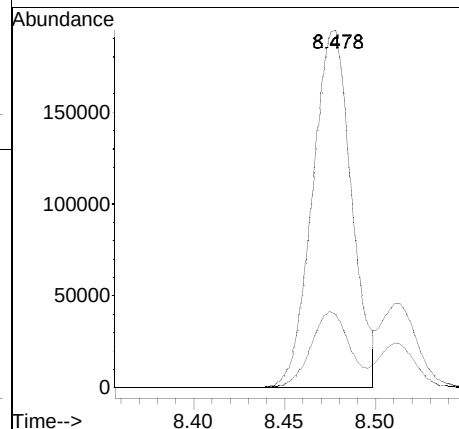
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.6	17.4	26.0	

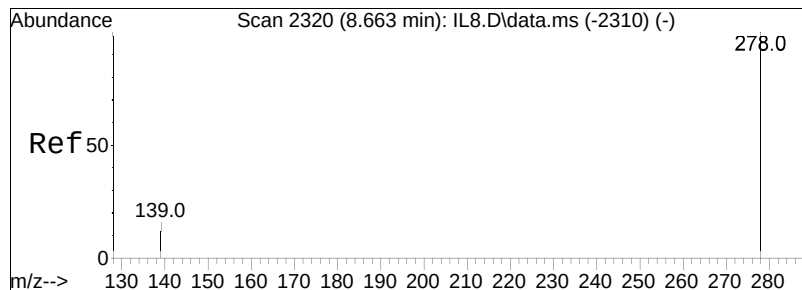




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1153.25 ng/ml
 RT: 8.478 min Scan# 2407
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	15.9	23.9





#43

Dibenzo[a,h]anthracene

Concen: 1094.08 ng/ml M6

RT: 8.513 min Scan# 2419

Delta R.T. 0.000 min

Lab File: ccv0922.D

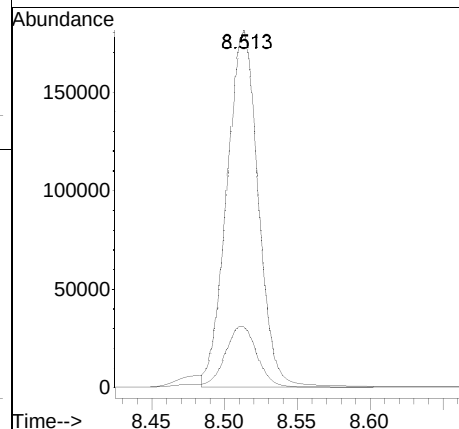
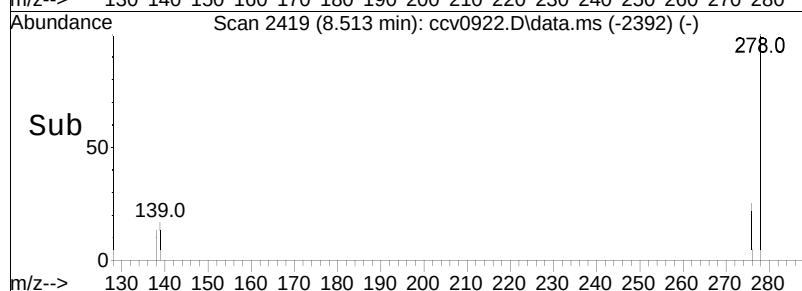
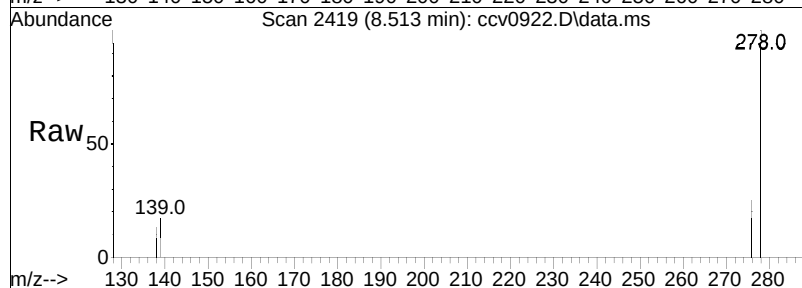
Acq: 22 Sep 2025 07:08 am

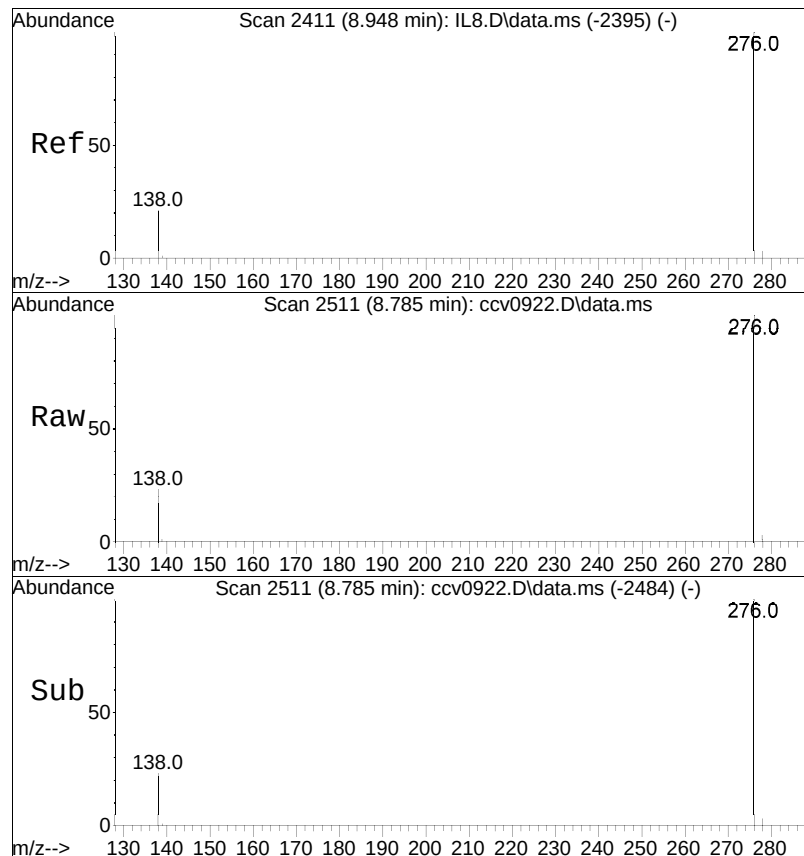
Tgt Ion: 278 Resp: 270904

Ion Ratio Lower Upper

278 100

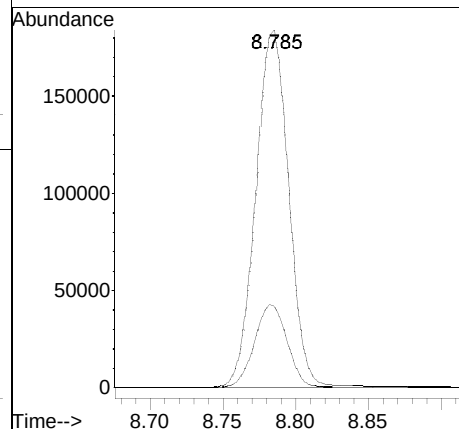
139 18.0 13.8 20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1108.24 ng/ml
 RT: 8.785 min Scan# 2511
 Delta R.T. 0.000 min
 Lab File: ccv0922.D
 Acq: 22 Sep 2025 07:08 am

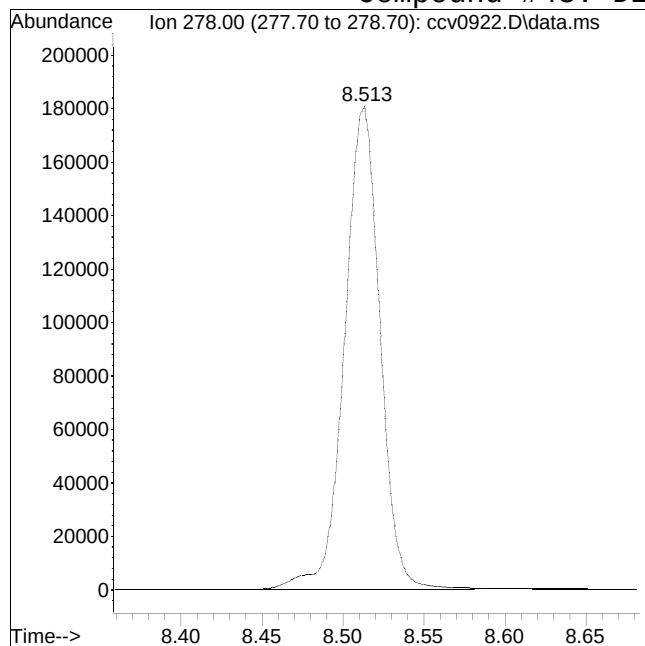
Tgt	Ion	Ratio	Lower	Upper
276	100			
138	23.2	18.1	27.1	



Manual Integration Report

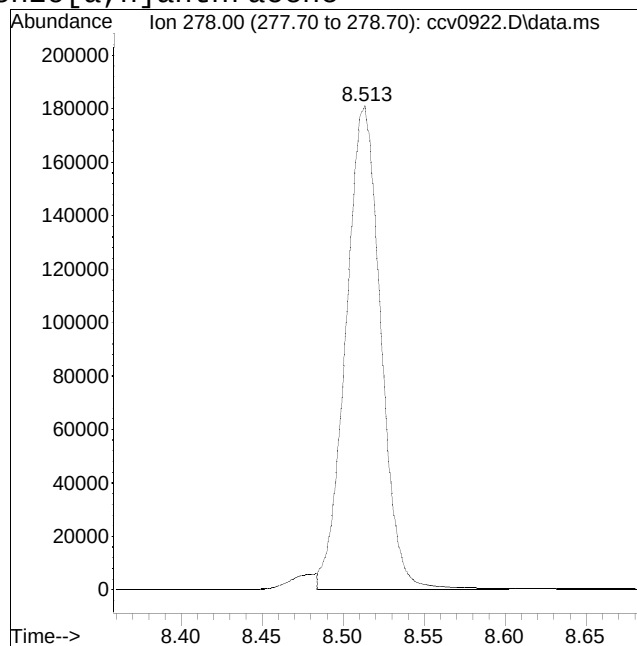
Data Path : I:\8270SIM\SV125\250922RVTQMethod : SIM-RVT_250908_sv125.M
Data File : ccv0922.D Operator : SV125:slr
Date Inj'd : 9/22/2025 7:08 am Instrument : SV125
Sample : WG2117833-3,32,,ICV 11696 Quant Date : 9/22/2025 7:29 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 277163

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

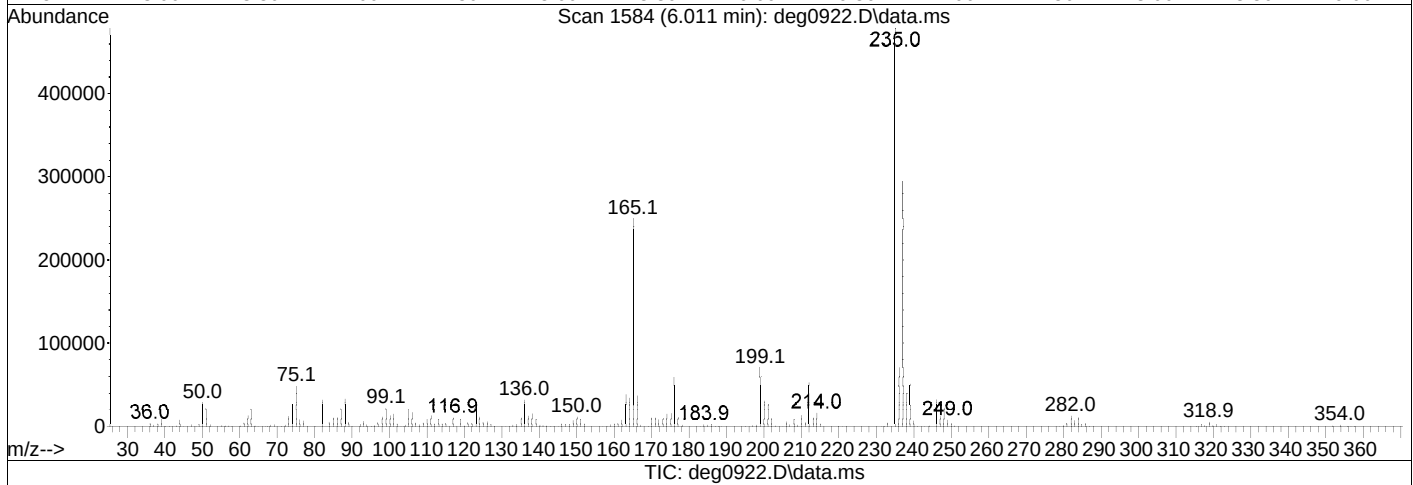
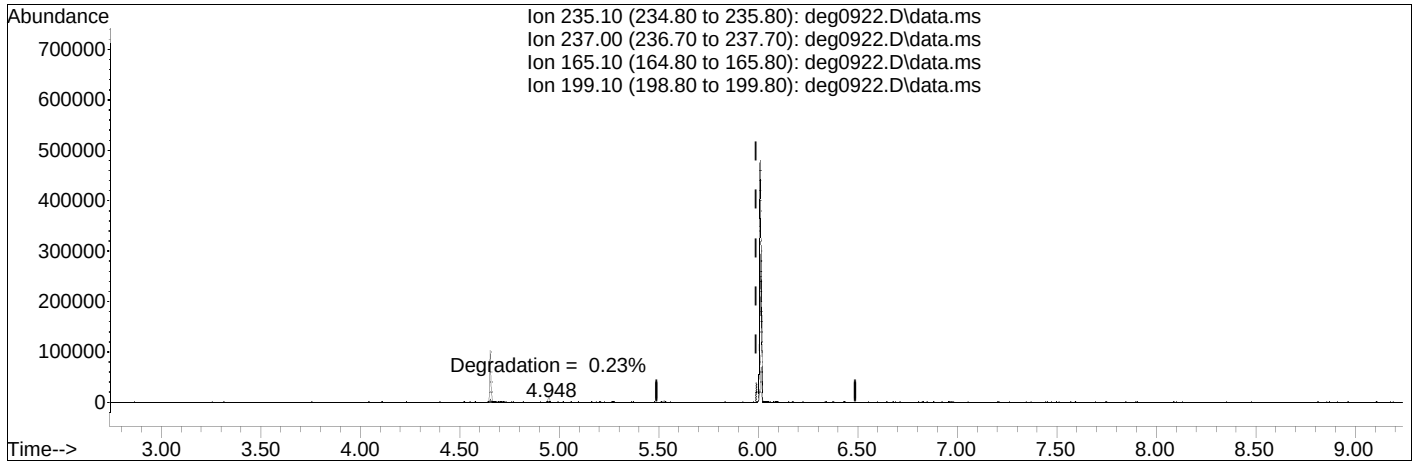


Manual Peak Response = 270904 M6

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250922RVT\
Data File : deg0922.D
Acq On : 22 Sep 2025 06:49 am
Operator : SV125:slr
Sample : WG2117833-2,32,,SV125 lot#11981
Misc : WG2117833,,ical22616
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 22 07:08:30 2025
Quant Method : I:\8270SIM\SV125\250922RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Sep 11 18:06:43 2025
Response via : Continuing Cal File:



(6) ddt (T)

6.011min (+ 0.022) 40.96

response 249685

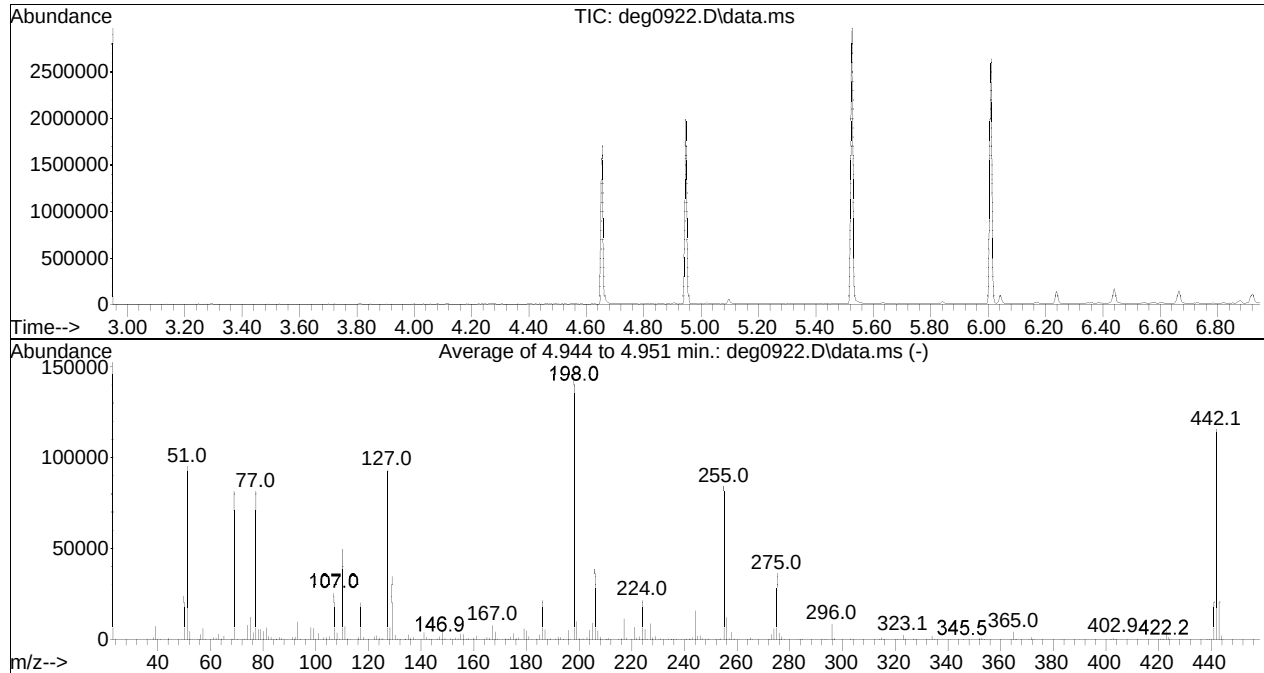
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	62.21
165.10	53.30	53.39
199.10	17.10	14.82

DFTPP

Data Path : I:\8270SIM\SV125\250922RVT\
 Data File : deg0922.D
 Acq On : 22 Sep 2025 06:49 am
 Operator : SV125:slr
 Sample : WG2117833-1,32,,SV125 lot#11981
 Misc : WG2117833,,ical22616
 ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV125\250922RVT\SIM-RVT_250908_sv125.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Sep 22 07:28:51 2025



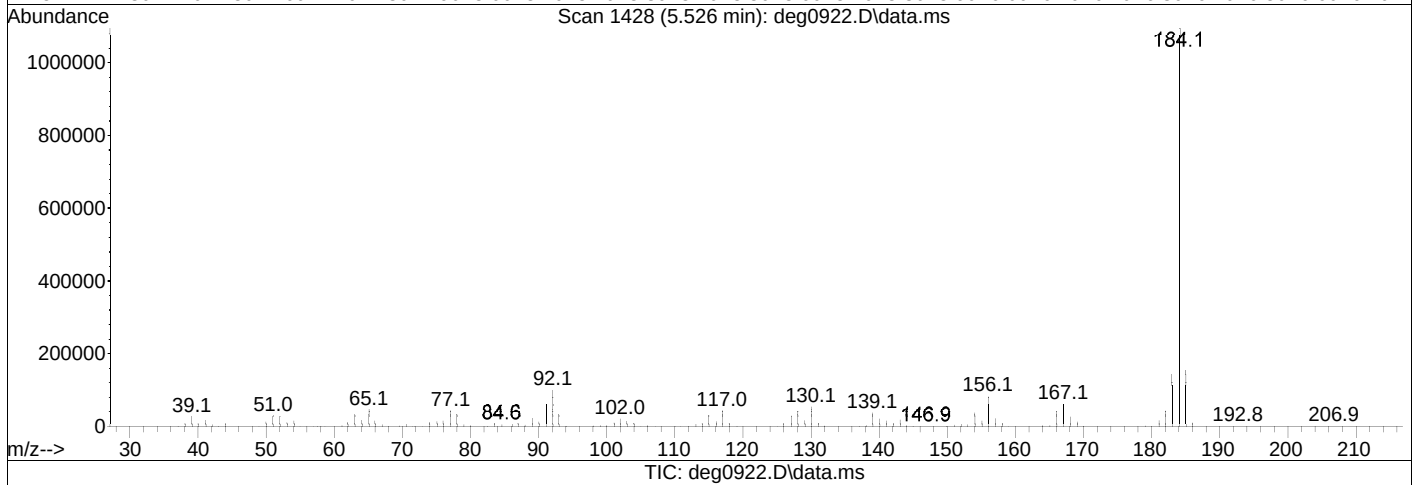
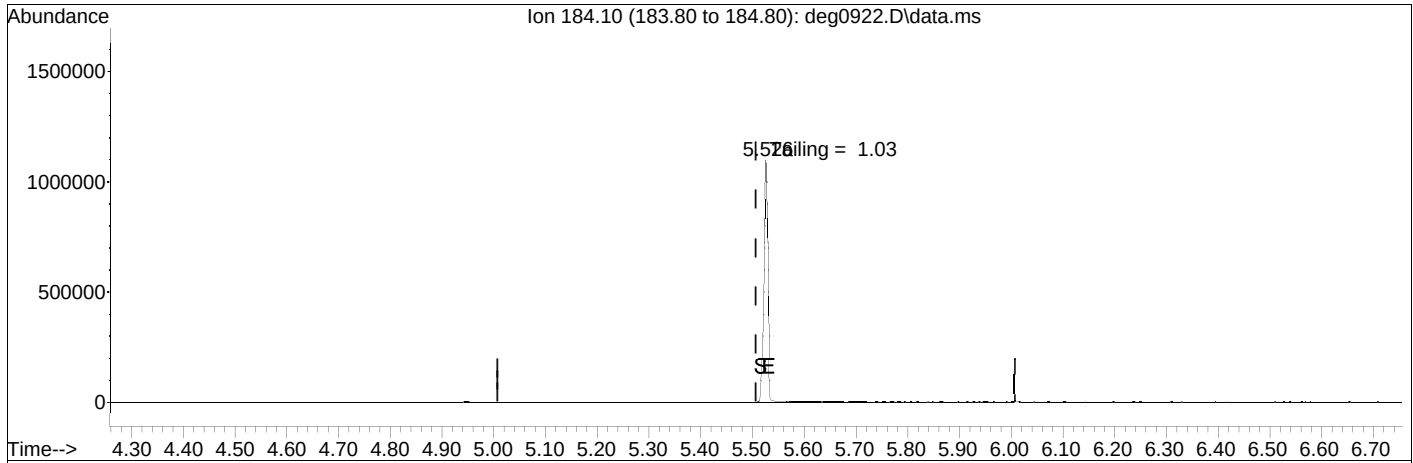
AutoFind: Scans 1241, 1242, 1243; Background Corrected with Scan 1235

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	65.5	94987	PASS
68	69	0.00	2	0.7	539	PASS
69	69	100	100	100.0	81000	PASS
70	69	0.00	2	0.7	604	PASS
127	198	10	80	64.3	93269	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	145088	PASS
199	198	5	9	6.8	9876	PASS
275	198	10	60	24.8	35944	PASS
365	198	1	100	3.0	4341	PASS
441	442	0.01	24	18.2	20923	PASS
442	198	50	100	79.4	115205	PASS
443	442	15	24	18.4	21185	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250922RVT\
Data File : deg0922.D
Acq On : 22 Sep 2025 06:49 am
Operator : SV125:slr
Sample : WG2117833-4,32,,SV125 lot#11981
Misc : WG2117833,,ical22616
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 22 07:08:30 2025
Quant Method : I:\8270SIM\SV125\250922RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Sep 11 18:06:43 2025
Response via : Continuing Cal File:



(3) benzidine (T)

5.526min (+ 0.019) 54.83

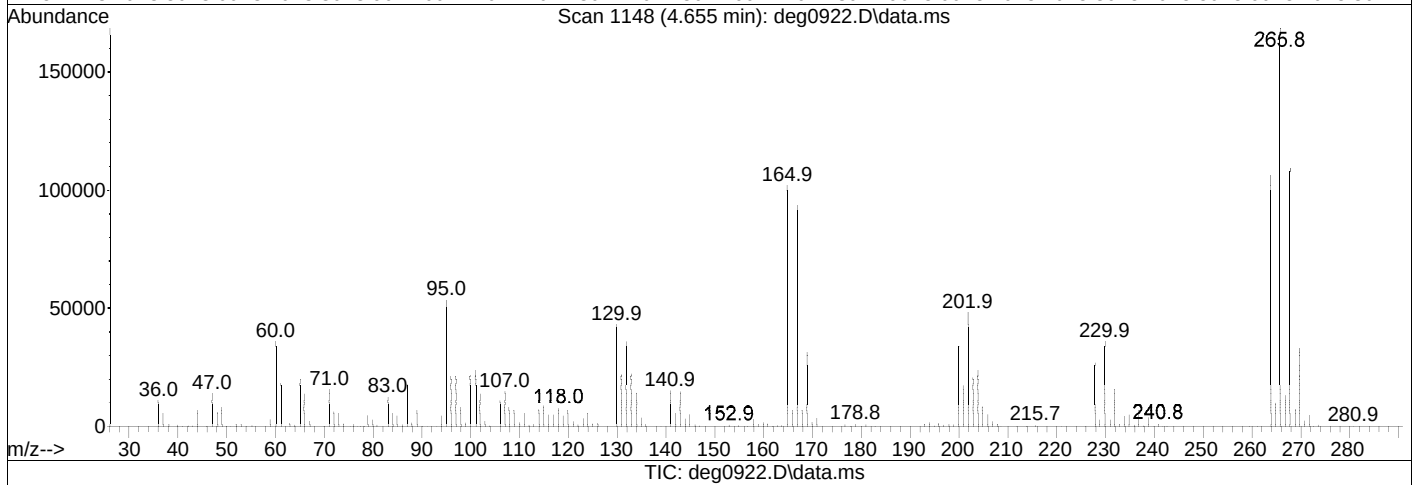
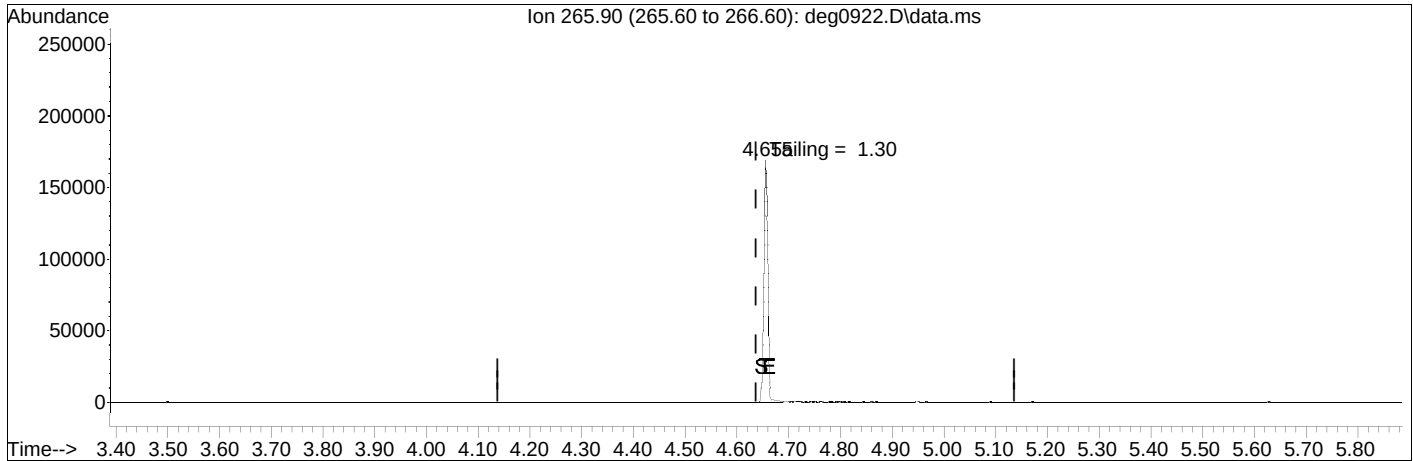
response 558173

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250922RVT\
Data File : deg0922.D
Acq On : 22 Sep 2025 06:49 am
Operator : SV125:slr
Sample : WG2117833-5,32,,SV125 lot#11981
Misc : WG2117833,,ical22616
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 22 07:08:30 2025
Quant Method : I:\8270SIM\SV125\250922RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Sep 11 18:06:43 2025
Response via : Continuing Cal File:



(1) pentachlorophenol (T)

4.655min (+ 0.018) 39.45

response 82865

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV125
 Lab File ID : CCV0920
 Sample No : WG2117439-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/20/25 13:46
 Init. Calib. Date(s) : 09/08/25 09/08/25
 Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	70	0
N-Nitrosodimethylamine	0.648	0.744	.05	-14.8	20	78	0
2-Fluorophenol	0.988	1.228	.05	-24.3*	20	81	0
Phenol-d6	1.22	1.482	.05	-21.5*	20	79	0
Bis(2-chloroethyl)ether	1.1	1.169	.05	-6.3	20	71	0
n-nitrosodi-n-propylamine	0.731	0.863	.05	-18.1	20	80	0
Hexachloroethane	0.502	0.514	.05	-2.4	20	72	0
Nitrobenzene-d5	0.974	1.28	.05	-31.4*	20	84	0
Naphthalene-d8	1	1	.05	0	20	71	0
Naphthalene	1.058	1.026	.05	3	20	72	0
Hexachlorobutadiene	0.175	0.189	.05	-8	20	77	0
2-Methylnaphthalene	0.617	0.659	.05	-6.8	20	75	0
1-Methylnaphthalene	0.663	0.678	.05	-2.3	20	74	0
2-Fluorobiphenyl	0.816	0.868	.05	-6.4	20	77	0
2-Chloronaphthalene	0.693	0.716	.05	-3.3	20	74	0
2,6-Dinitrotoluene	0.128	0.172	.05	-34.4*	20	91	0
Acenaphthylene	1.095	1.22	.05	-11.4	20	76	0
Acenaphthene-d10	1	1	.05	0	20	73	0
Acenaphthene	1.279	1.326	.05	-3.7	20	77	0
2,4-Dinitrotoluene	1000	1241.426	.05	-24.1*	20	95	0
Fluorene	1.432	1.577	.05	-10.1	20	80	0
2,4,6-Tribromophenol	0.149	0.24	.05	-61.1*	20	103	0
Phenanthrene-d10	1	1	.05	0	20	84	0
4,6-Dinitro-o-cresol	1000	1102.908	.05	-10.3	20	102	0
Hexachlorobenzene	0.217	0.234	.05	-7.8	20	90	0
Pentachlorophenol	1000	1420.23	.05	-42*	20	136	0
Phenanthrene	1.143	1.128	.05	1.3	20	84	0
Anthracene	1.09	1.127	.05	-3.4	20	86	0
Fluoranthene	1.236	1.349	.05	-9.1	20	91	0
Pyrene	1.268	1.394	.05	-9.9	20	90	0
Benzidine	1000	759.067	.05	24.1*	20	70	0
4-Terphenyl-d14	0.802	0.875	.05	-9.1	20	94	0
Chrysene-d12	1	1	.05	0	20	90	0
Benzo[a]anthracene	1000	1031.628	.05	-3.2	20	93	0
3,3'-Dichlorobenzidine	1000	985.171	.05	1.5	20	92	0
Chrysene	1.27	1.335	.05	-5.1	20	91	0
Bis(2-ethylhexyl)phthalate	1000	1122.812	.05	-12.3	20	106	0
Perylene-d12	1	1	.05	0	20	88	0
Benzo[b]fluoranthene	1.265	1.421	.05	-12.3	20	99	0
Benzo[k]fluoranthene	1.282	1.293	.05	-0.9	20	84	0
Benzo[a]pyrene	1.119	1.212	.05	-8.3	20	90	0
Indeno[1,2,3-cd]pyrene	1.063	1.123	.05	-5.6	20	88	0
Dibenzo[a,h]anthracene	1.054	1.102	.05	-4.6	20	89	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV125
Lab File ID : CCV0920
Sample No : WG2117439-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/20/25 13:46
Init. Calib. Date(s) : 09/08/25 09/08/25
Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.096	1.152	.05	-5.1	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV125
 Lab File ID : CCV0922
 Sample No : WG2117833-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/22/25 07:08
 Init. Calib. Date(s) : 09/08/25 09/08/25
 Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	74	0
N-Nitrosodimethylamine	0.648	0.742	.05	-14.5	20	83	0
2-Fluorophenol	0.988	1.241	.05	-25.6*	20	87	0
Phenol-d6	1.22	1.503	.05	-23.2*	20	85	0
Bis(2-chloroethyl)ether	1.1	1.174	.05	-6.7	20	77	0
n-nitrosodi-n-propylamine	0.731	0.867	.05	-18.6	20	86	0
Hexachloroethane	0.502	0.528	.05	-5.2	20	79	0
Nitrobenzene-d5	0.974	1.33	.05	-36.6*	20	93	0
Naphthalene-d8	1	1	.05	0	20	75	0
Naphthalene	1.058	1.032	.05	2.5	20	76	0
Hexachlorobutadiene	0.175	0.192	.05	-9.7	20	83	0
2-Methylnaphthalene	0.617	0.647	.05	-4.9	20	78	0
1-Methylnaphthalene	0.663	0.658	.05	0.8	20	75	0
2-Fluorobiphenyl	0.816	0.833	.05	-2.1	20	78	0
2-Chloronaphthalene	0.693	0.693	.05	0	20	75	0
2,6-Dinitrotoluene	0.128	0.163	.05	-27.3*	20	90	0
Acenaphthylene	1.095	1.159	.05	-5.8	20	76	0
Acenaphthene-d10	1	1	.05	0	20	72	0
Acenaphthene	1.279	1.329	.05	-3.9	20	75	0
2,4-Dinitrotoluene	1000	1223.826	.05	-22.4*	20	92	0
Fluorene	1.432	1.515	.05	-5.8	20	75	0
2,4,6-Tribromophenol	0.149	0.232	.05	-55.7*	20	97	0
Phenanthrene-d10	1	1	.05	0	20	75	0
4,6-Dinitro-o-cresol	1000	1223.543	.05	-22.4*	20	101	0
Hexachlorobenzene	0.217	0.235	.05	-8.3	20	81	0
Pentachlorophenol	1000	1489.628	.05	-49*	20	128	0
Phenanthrene	1.143	1.145	.05	-0.2	20	76	0
Anthracene	1.09	1.116	.05	-2.4	20	76	0
Fluoranthene	1.236	1.298	.05	-5	20	78	0
Pyrene	1.268	1.339	.05	-5.6	20	77	0
Benzidine	1000	801.825	.05	19.8	20	68	0
4-Terphenyl-d14	0.802	0.817	.05	-1.9	20	79	0
Chrysene-d12	1	1	.05	0	20	79	0
Benzo[a]anthracene	1000	1055.242	.05	-5.5	20	84	0
3,3'-Dichlorobenzidine	1000	1061.071	.05	-6.1	20	88	0
Chrysene	1.27	1.329	.05	-4.6	20	79	0
Bis(2-ethylhexyl)phthalate	1000	1117.035	.05	-11.7	20	92	0
Perylene-d12	1	1	.05	0	20	82	0
Benzo[b]fluoranthene	1.265	1.421	.05	-12.3	20	93	0
Benzo[k]fluoranthene	1.282	1.281	.05	0.1	20	78	0
Benzo[a]pyrene	1.119	1.263	.05	-12.9	20	88	0
Indeno[1,2,3-cd]pyrene	1.063	1.226	.05	-15.3	20	90	0
Dibenzo[a,h]anthracene	1.054	1.153	.05	-9.4	20	87	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV125
Lab File ID : CCV0922
Sample No : WG2117833-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/22/25 07:08
Init. Calib. Date(s) : 09/08/25 09/08/25
Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.096	1.214	.05	-10.8	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV120
 Lab File ID : CCV0923
 Sample No : WG2118575-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/23/25 14:26
 Init. Calib. Date(s) : 09/17/25 09/17/25
 Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	113	0
N-Nitrosodimethylamine	0.589	0.709	.05	-20.4*	20	129	0
2-Fluorophenol	0.916	1.201	.05	-31.1*	20	135	0
Phenol-d6	1.181	1.523	.05	-29*	20	136	0
Bis(2-chloroethyl)ether	1000	1089.614	.05	-9	20	126	0
n-nitrosodi-n-propylamine	0.784	0.885	.05	-12.9	20	123	0
Hexachloroethane	0.503	0.537	.05	-6.8	20	123	0
Nitrobenzene-d5	1000	1077.008	.05	-7.7	20	127	0
Naphthalene-d8	1	1	.05	0	20	113	0
Naphthalene	0.97	0.987	.05	-1.8	20	119	0
Hexachlorobutadiene	0.18	0.192	.05	-6.7	20	121	0
2-Methylnaphthalene	0.565	0.637	.05	-12.7	20	124	0
1-Methylnaphthalene	0.616	0.67	.05	-8.8	20	123	0
2-Fluorobiphenyl	0.768	0.846	.05	-10.2	20	122	0
2-Chloronaphthalene	0.635	0.699	.05	-10.1	20	120	0
2,6-Dinitrotoluene	1000	952.44	.05	4.8	20	119	0
Acenaphthylene	1.114	1.195	.05	-7.3	20	119	0
Acenaphthene-d10	1	1	.05	0	20	104	0
Acenaphthene	1.204	1.338	.05	-11.1	20	117	0
2,4-Dinitrotoluene	1000	986.291	.05	1.4	20	113	0
Fluorene	1.327	1.535	.05	-15.7	20	115	0
2,4,6-Tribromophenol	0.138	0.184	.05	-33.3*	20	127	0
Phenanthrene-d10	1	1	.05	0	20	105	0
4,6-Dinitro-o-cresol	1000	993.48	.05	0.7	20	110	0
Hexachlorobenzene	0.224	0.234	.05	-4.5	20	116	0
Pentachlorophenol	1000	1129.254	.05	-12.9	20	118	0
Phenanthrene	1.017	1.081	.05	-6.3	20	113	0
Anthracene	1.015	1.122	.05	-10.5	20	116	0
Fluoranthene	1.134	1.255	.05	-10.7	20	117	0
Pyrene	1.177	1.297	.05	-10.2	20	114	0
Benzidine	1	0	.05	47*	20	-3.72	
4-Terphenyl-d14	0.791	0.879	.05	-11.1	20	117	0
Chrysene-d12	1	1	.05	0	20	102	0
Benzo[a]anthracene	1000	1086.622	.05	-8.7	20	114	0
3,3'-Dichlorobenzidine	1000	1083.631	.05	-8.4	20	121	0
Chrysene	1.216	1.321	.05	-8.6	20	114	0
Bis(2-ethylhexyl)phthalate	0.634	0.796	.05	-25.6*	20	128	0
Perylene-d12	1	1	.05	0	20	104	0
Benzo[b]fluoranthene	1.041	1.214	.05	-16.6	20	114	0
Benzo[k]fluoranthene	1.157	1.342	.05	-16	20	117	0
Benzo[a]pyrene	0.981	1.177	.05	-20	20	119	0
Indeno[1,2,3-cd]pyrene	0.815	1.033	.05	-26.7*	20	124	0
Dibenzo[a,h]anthracene	0.793	1.061	.05	-33.8*	20	121	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV120
Lab File ID : CCV0923
Sample No : WG2118575-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/23/25 14:26
Init. Calib. Date(s) : 09/17/25 09/17/25
Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	0.929	1.099	.05	-18.3	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV120
 Lab File ID : CCV0924AA
 Sample No : WG2119028-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/24/25 10:01
 Init. Calib. Date(s) : 09/17/25 09/17/25
 Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	84	-.01
N-Nitrosodimethylamine	0.589	0.932	.05	-58.2*	20	126	0
2-Fluorophenol	0.916	1.547	.05	-68.9*	20	129	-.01
Phenol-d6	1.181	1.475	.05	-24.9*	20	98	-.01
Bis(2-chloroethyl)ether	1000	1053.451	.05	-5.3	20	90	-.01
n-nitrosodi-n-propylamine	0.784	0.86	.05	-9.7	20	89	-.01
Hexachloroethane	0.503	0.533	.05	-6	20	91	-.01
Nitrobenzene-d5	1000	1051.666	.05	-5.2	20	92	-.01
Naphthalene-d8	1	1	.05	0	20	82	0
Naphthalene	0.97	0.994	.05	-2.5	20	87	0
Hexachlorobutadiene	0.18	0.204	.05	-13.3	20	94	0
2-Methylnaphthalene	0.565	0.637	.05	-12.7	20	90	0
1-Methylnaphthalene	0.616	0.673	.05	-9.3	20	90	0
2-Fluorobiphenyl	0.768	0.857	.05	-11.6	20	89	0
2-Chloronaphthalene	0.635	0.701	.05	-10.4	20	87	0
2,6-Dinitrotoluene	1000	902.215	.05	9.8	20	82	0
Acenaphthylene	1.114	1.185	.05	-6.4	20	86	0
Acenaphthene-d10	1	1	.05	0	20	76	0
Acenaphthene	1.204	1.329	.05	-10.4	20	85	0
2,4-Dinitrotoluene	1000	946.174	.05	5.4	20	80	0
Fluorene	1.327	1.512	.05	-13.9	20	83	0
2,4,6-Tribromophenol	0.138	0.18	.05	-30.4*	20	91	0
Phenanthrene-d10	1	1	.05	0	20	75	0
4,6-Dinitro-o-cresol	1000	933.869	.05	6.6	20	73	0
Hexachlorobenzene	0.224	0.247	.05	-10.3	20	87	0
Pentachlorophenol	1000	1269.598	.05	-27*	20	99	0
Phenanthrene	1.017	1.108	.05	-8.9	20	82	0
Anthracene	1.015	1.139	.05	-12.2	20	83	0
Fluoranthene	1.134	1.284	.05	-13.2	20	84	0
Pyrene	1.177	1.347	.05	-14.4	20	84	0
Benzidine	1	0	.05	31*	20	-3.71	
4-Terphenyl-d14	0.791	0.923	.05	-16.7	20	87	.01
Chrysene-d12	1	1	.05	0	20	78	.03
Benzo[a]anthracene	1000	1088.357	.05	-8.8	20	87	.02
3,3'-Dichlorobenzidine	1000	1070.758	.05	-7.1	20	91	.02
Chrysene	1.216	1.3	.05	-6.9	20	85	.03
Bis(2-ethylhexyl)phthalate	0.634	0.777	.05	-22.6*	20	95	.03
Perylene-d12	1	1	.05	0	20	81	.02
Benzo[b]fluoranthene	1.041	1.222	.05	-17.4	20	90	.03
Benzo[k]fluoranthene	1.157	1.317	.05	-13.8	20	90	.02
Benzo[a]pyrene	0.981	1.176	.05	-19.9	20	93	.02
Indeno[1,2,3-cd]pyrene	0.815	1.224	.05	-50.2*	20	115	0
Dibenzo[a,h]anthracene	0.793	1.307	.05	-64.8*	20	117	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV120
Lab File ID : CCV0924AA
Sample No : WG2119028-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/24/25 10:01
Init. Calib. Date(s) : 09/17/25 09/17/25
Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	0.929	1.335	.05	-43.7*	20	111	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\250923RVT\
 Data File : ccv0923.D
 Acq On : 23 Sep 2025 02:26 pm
 Operator : SV120:dv
 Sample : wg2118575-3,32,,ICV 11696 (0920)
 Misc : wg2118575,,ical22659
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 23 14:51:57 2025
 Quant Method : I:\8270SIM\sv120\250923RVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:23:05 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	113	0.00
2 T	N-Nitrosodimethylamine	0.589	0.709	-20.4#	129	0.00
3 s	2-Fluorophenol	0.916	1.201	-31.1#	135	0.00
4 s	Phenol-d6	1.181	1.523	-29.0#	136	0.00
5 T	Bis(2-chloroethyl)ether	*1000.000	1089.614	-9.0	126	0.00
6 T	n-nitrosodi-n-propylamine	0.784	0.885	-12.9	123	0.00
7 t	Hexachloroethane	0.503	0.537	-6.8	123	0.00
8 s	Nitrobenzene-d5	*1000.000	1077.008	-7.7	127	0.00
9 i	Naphthalene-d8	1.000	1.000	0.0	113	0.00
10 t	Naphthalene	0.970	0.987	-1.8	119	0.00
11 t	Hexachlorobutadiene	0.180	0.192	-6.7	121	0.00
12 t	2-Methylnaphthalene	0.565	0.637	-12.7	124	0.00
13 t	1-Methylnaphthalene	0.616	0.670	-8.8	123	0.00
14 s	2-Fluorobiphenyl	0.768	0.846	-10.2	122	0.00
15 t	2-Chloronaphthalene	0.635	0.699	-10.1	120	0.00
16 t	2,6-Dinitrotoluene	*1000.000	952.440	4.8	119	0.00
17 t	Acenaphthylene	1.114	1.195	-7.3	119	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	104	0.00
19 t	Acenaphthene	1.204	1.338	-11.1	117	0.00
20 t	2,4-Dinitrotoluene	*1000.000	986.291	1.4	113	0.00
21 t	Fluorene	1.327	1.535	-15.7	115	0.00
22 s	2,4,6-Tribromophenol	0.138	0.184	-33.3#	127	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	993.480	0.7	110	0.00
25 t	Hexachlorobenzene	0.224	0.234	-4.5	116	0.00
26 t	Pentachlorophenol	*1000.000	1129.254	-12.9	118	0.00
27 t	Phenanthrene	1.017	1.081	-6.3	113	0.00
28 t	Anthracene	1.015	1.122	-10.5	116	0.00
29 t	Fluoranthene	1.134	1.255	-10.7	117	0.00
30 t	Pyrene	1.177	1.297	-10.2	114	0.00
31 t	Benzidine	N/A	1.00	0.0	47#	-3.72#
32 s	4-Terphenyl-d14	0.791	0.879	-11.1	117	0.00
33 i	Chrysene-d12	1.000	1.000	0.0	102	0.00
34 t	Benzo[a]anthracene	*1000.000	1086.622	-8.7	114	0.00
35 t	3,3'-Dichlorobenzidine	*1000.000	1083.631	-8.4	121	0.00

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 Sample : wg2118575-3,32,,ICV 11696 (0920)
 Misc : wg2118575,,ical22659
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 23 14:51:57 2025
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Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Chrysene	1.216	1.321	-8.6	114	0.00
37 T	Bis(2-ethylhexyl)phthalate	0.634	0.796	-25.6#	128	0.00
38 i	Perylene-d12	1.000	1.000	0.0	104	0.00
39 t	Benzo[b]fluoranthene	1.041	1.214	-16.6	114	0.00
40 t	Benzo[k]fluoranthene	1.157	1.342	-16.0	117	0.00
41 t	Benzo[a]pyrene	0.981	1.177	-20.0	119	0.00
42 t	Indeno[1,2,3-cd]pyrene	0.815	1.033	-26.7#	124	0.00
43 t	Dibenzo[a,h]anthracene	0.793	1.061	-33.8#	121	0.00
44 t	Benzo[g,h,i]perylene	0.929	1.099	-18.3	117	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250923RVT\
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 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Sep 22 18:23:05 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.515	152	269134	4000.000	ng/ml	0.00
9) Naphthalene-d8	3.188	136	1059252	4000.000	ng/ml	0.00
18) Acenaphthene-d10	4.175	164	587328	4000.000	ng/ml	0.00
23) Phenanthrene-d10	5.020	188	1238610	4000.000	ng/ml	0.00
33) Chrysene-d12	6.627	240	1065937	4000.000	ng/ml	0.00
38) Perylene-d12	7.887	264	1023284	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.899	112	80789	1311.344	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	65.57%		
4) Phenol-d6	2.322	99	102486	1290.032	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	64.50%		
8) Nitrobenzene-d5	2.801	82	78644	1077.008	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	107.70%		
14) 2-Fluorobiphenyl	3.791	172	223973	1101.153	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	110.12%		
22) 2,4,6-Tribromophenol	4.622	330	27055	1332.152	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	66.61%		
32) 4-Terphenyl-d14	5.957	244	272080	1110.507	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	111.05%		
Target Compounds						
					Qvalue	
2) N-Nitrosodimethylamine	1.373	74	47699	1202.857	ng/mL#	80
5) Bis(2-chloroethyl)ether	2.377	93	77420	1089.614	ng/ml	100
6) n-nitrosodi-n-propylamine	2.721	70	59538	1128.229	ng/ml	99
7) Hexachloroethane	2.781	117	36121	1066.354	ng/ml	99
10) Naphthalene	3.199	128	261439	1017.756	ng/ml	100
11) Hexachlorobutadiene	3.273	225	50830	1064.174	ng/ml	100
12) 2-Methylnaphthalene	3.583	142	168711	1126.639	ng/ml	100
13) 1-Methylnaphthalene	3.638	142	177478	1087.662	ng/ml	97
15) 2-Chloronaphthalene	3.857	162	185061	1099.746	ng/ml	100
16) 2,6-Dinitrotoluene	4.051	165	35331	952.440	ng/ml	97
17) Acenaphthylene	4.092	152	316439	1072.396	ng/ml	100
19) Acenaphthene	4.192	153	196476	1111.027	ng/ml	98
20) 2,4-Dinitrotoluene	4.280	165	45503	986.291	ng/mL#	84
21) Fluorene	4.485	166	225441	1156.591	ng/ml	99
24) 4,6-Dinitro-o-cresol	4.512	198	19356	993.480	ng/ml	100
25) Hexachlorobenzene	4.804	284	72502M4	1045.627	ng/ml	
26) Pentachlorophenol	4.916	266	23684	1129.254	ng/ml	99
27) Phenanthrene	5.031	178	334680	1060.276	ng/ml	100

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Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28)	Anthracene	5.061	178	347573	1106.080	ng/ml	100
29)	Fluoranthene	5.726	202	388717	1106.915	ng/ml	100
30)	Pyrene	5.861	202	401635	1101.829	ng/ml	100
31)	Benzidine	5.807	184	114167	768.987	ng/mL	100
34)	Benzo[a]anthracene	6.618	228	352868	1086.622	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.604	252	138657	1083.631	ng/ml	100
36)	Chrysene	6.644	228	352133	1086.905	ng/ml	98
37)	Bis(2-ethylhexyl)phtha...	6.651	149	212039	1255.689	ng/ml	100
39)	Benzo[b]fluoranthene	7.499	252	310611	1166.205	ng/ml	100
40)	Benzo[k]fluoranthene	7.524	252	343246	1159.539	ng/ml	99
41)	Benzo[a]pyrene	7.822	252	301155	1199.777	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.167	276	264174	1266.833	ng/ml	99
43)	Dibenzo[a,h]anthracene	9.205	278	271386M6	1349.255	ng/ml	
44)	Benzo[g,h,i]perylene	9.523	276	281185	1183.685	ng/ml	100

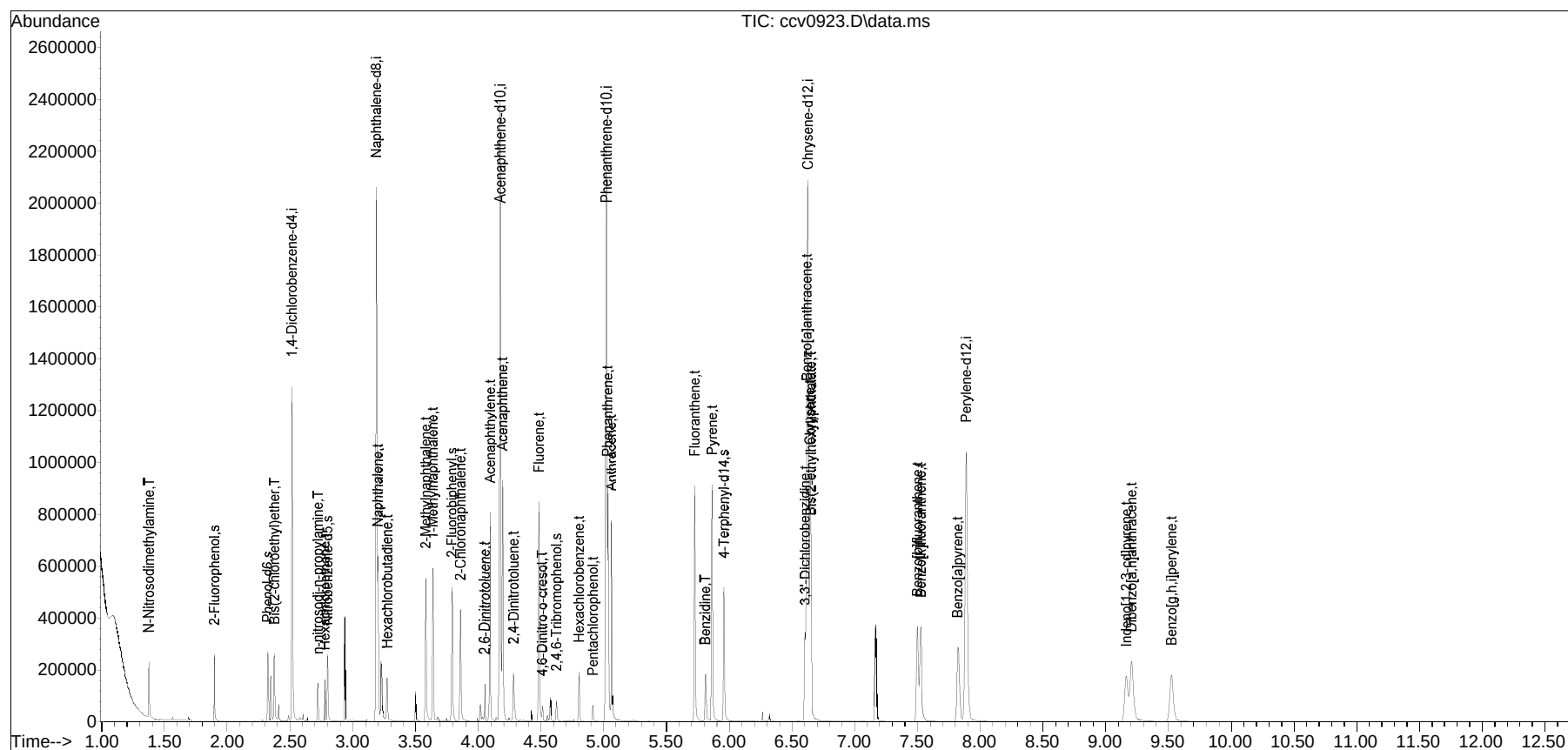
(#) = qualifier out of range (m) = manual integration (+) = signals summed

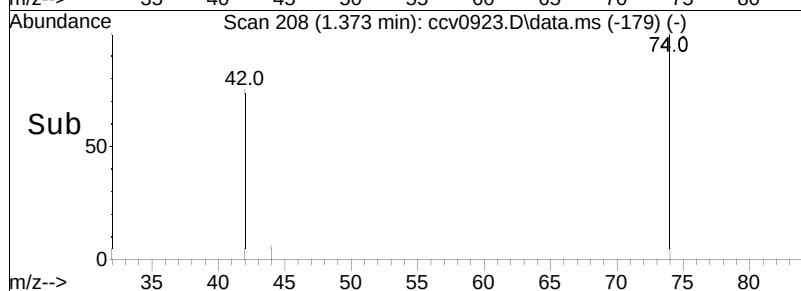
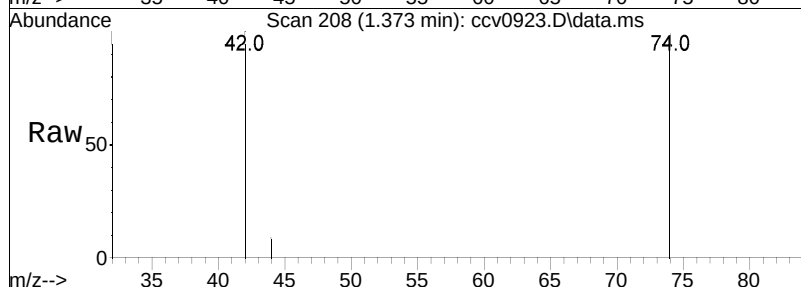
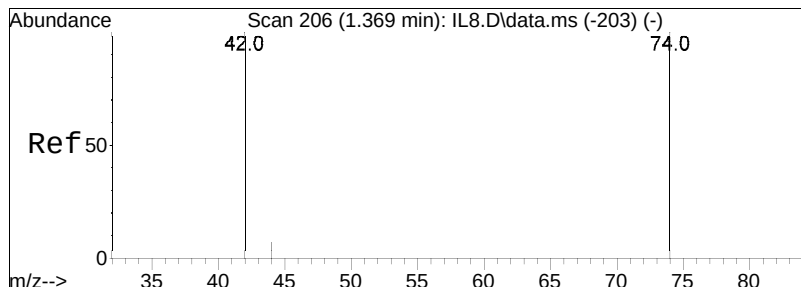
Quantitation Report (QT Reviewed)

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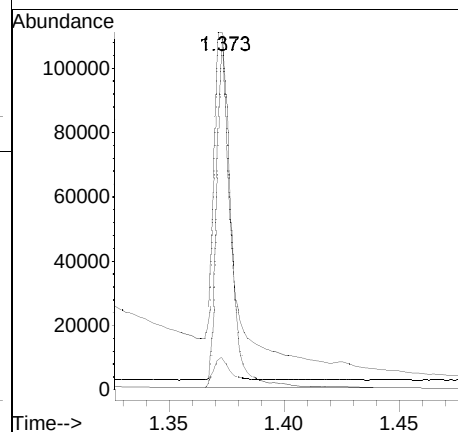
Sub List : Default - All compounds listed

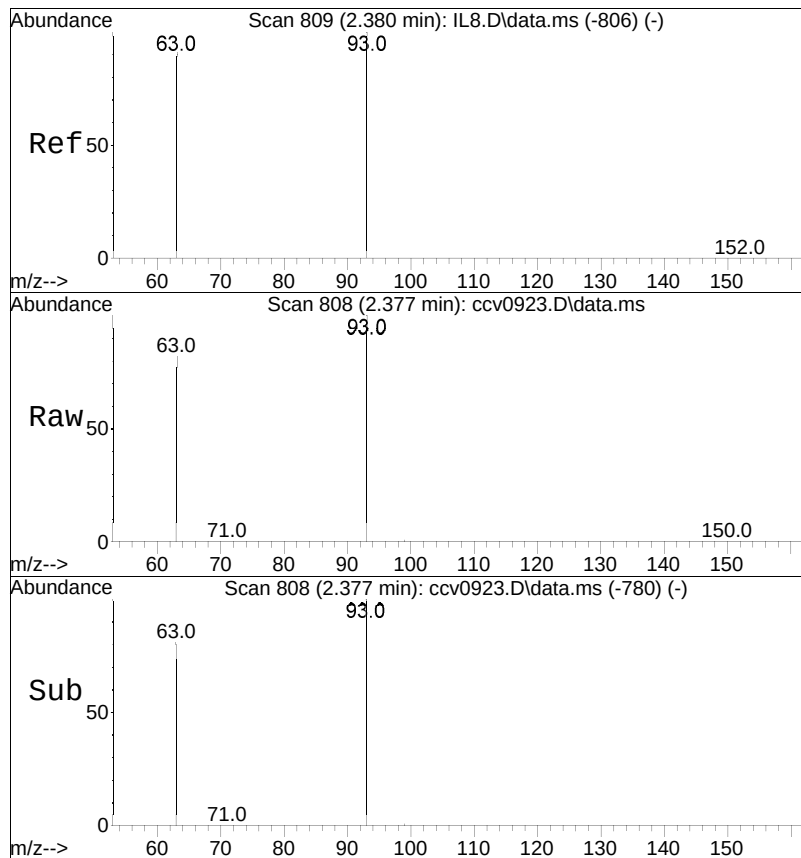




#2
 N-Nitrosodimethylamine
 Concen: 1202.86 ng/mL
 RT: 1.373 min Scan# 208
 Delta R.T. 0.004 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

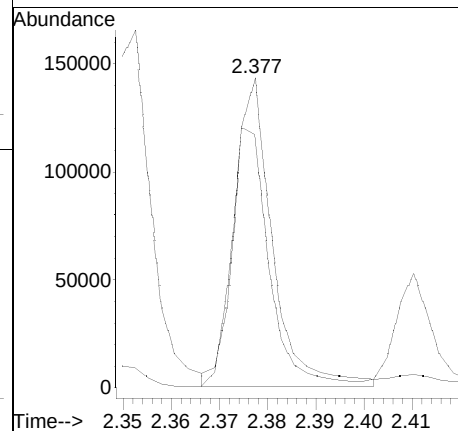
Tgt Ion: 74 Resp: 47699
 Ion Ratio Lower Upper
 74 100
 42 113.2 73.9 110.9#
 44 6.0 5.0 7.6

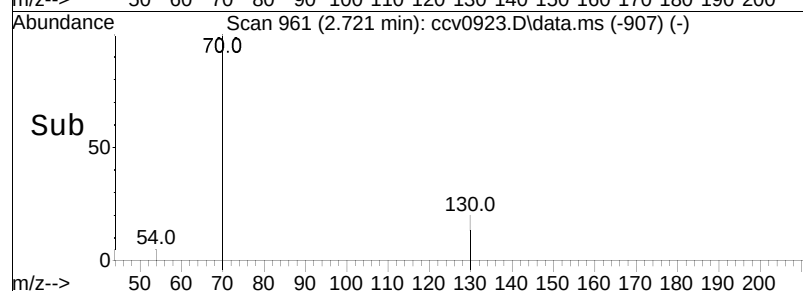
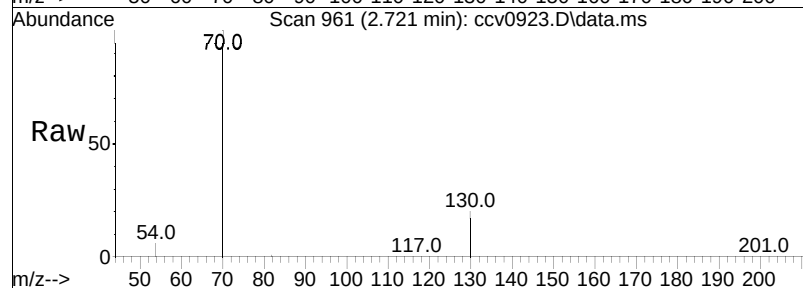
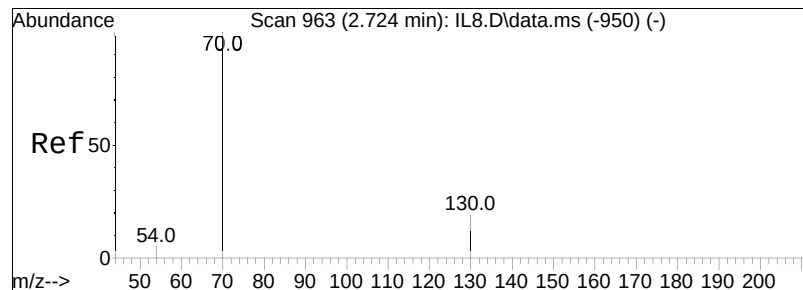




#5
 Bis(2-chloroethyl)ether
 Concen: 1089.61 ng/ml
 RT: 2.377 min Scan# 808
 Delta R.T. -0.003 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

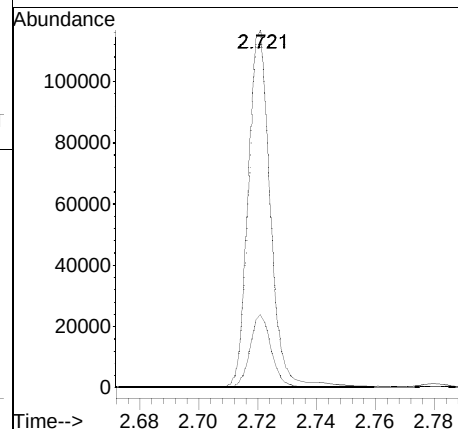
Tgt Ion	Ratio	Lower	Upper
93	100		
63	84.5	67.4	101.0

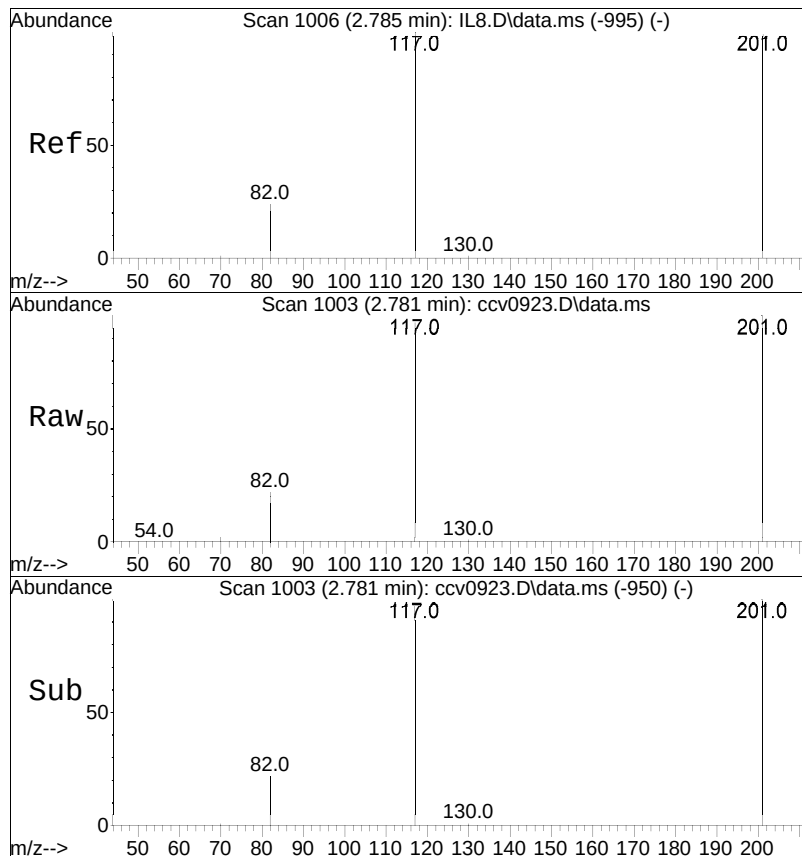




#6
 n-nitrosodi-n-propylamine
 Concen: 1128.23 ng/ml
 RT: 2.721 min Scan# 961
 Delta R.T. -0.003 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

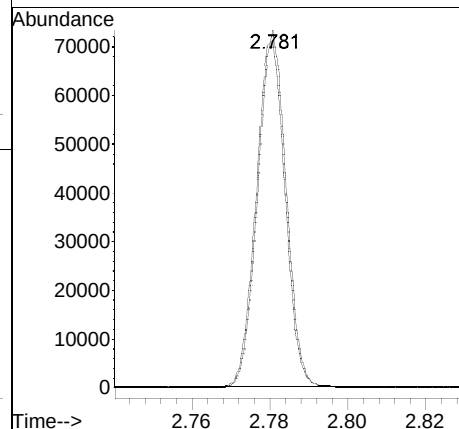
Tgt Ion	Ratio	Lower	Upper
70	100		
130	20.1	15.7	23.5

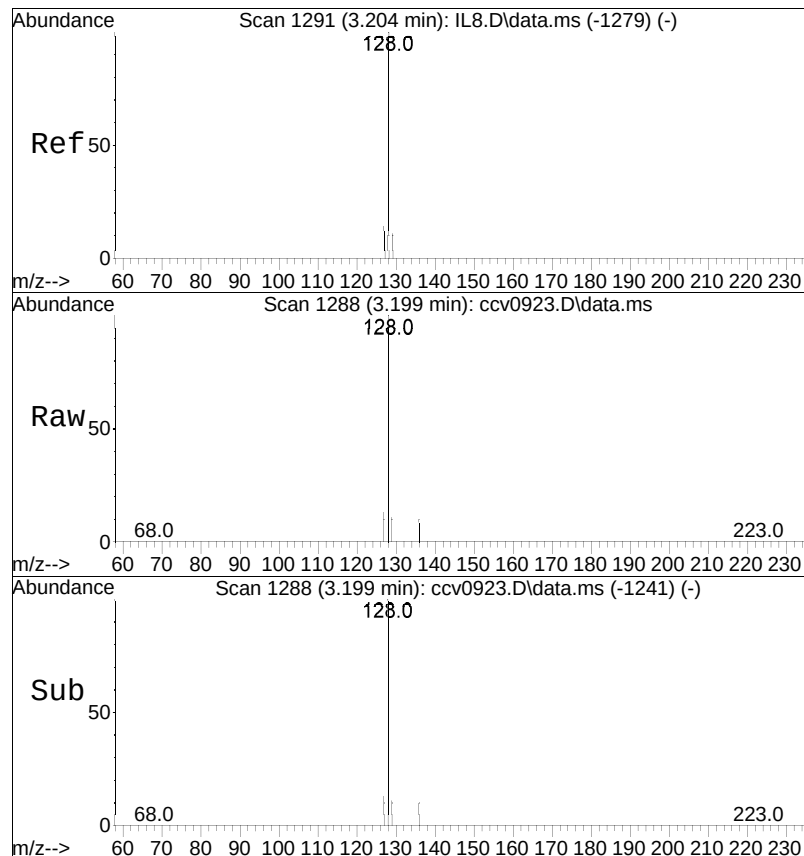




#7
 Hexachloroethane
 Concen: 1066.35 ng/ml
 RT: 2.781 min Scan# 1003
 Delta R.T. -0.004 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

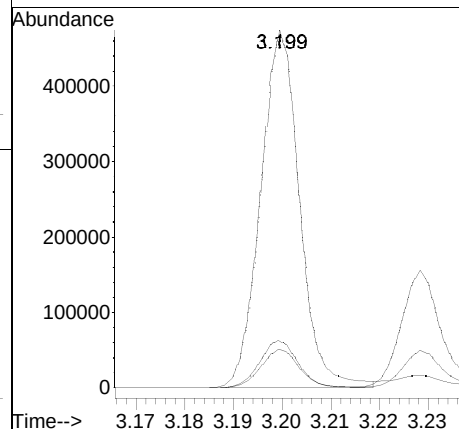
Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.3	81.7	122.5

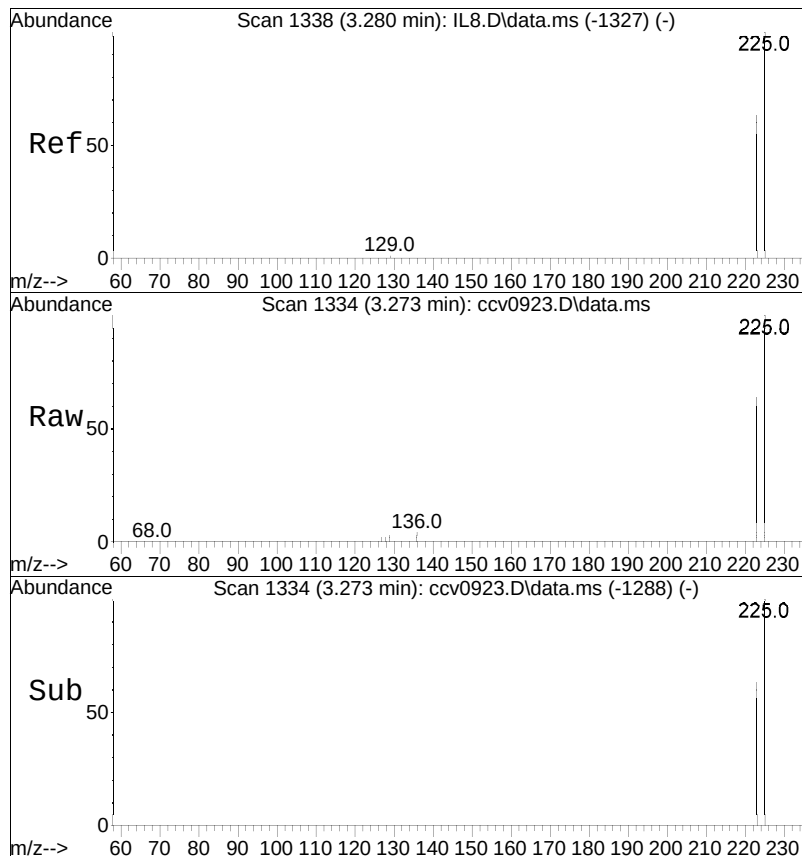




#10
 Naphthalene
 Concen: 1017.76 ng/ml
 RT: 3.199 min Scan# 1288
 Delta R.T. -0.005 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

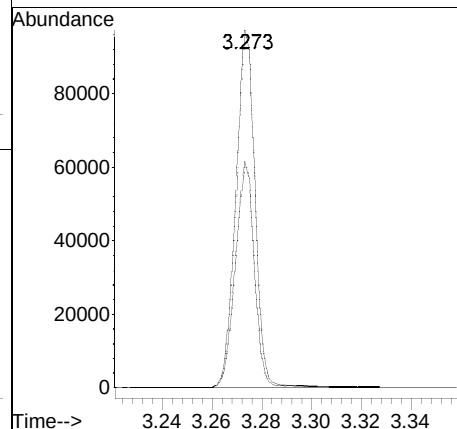
Tgt	Ion:128	Resp:	261439
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.2	10.6	16.0

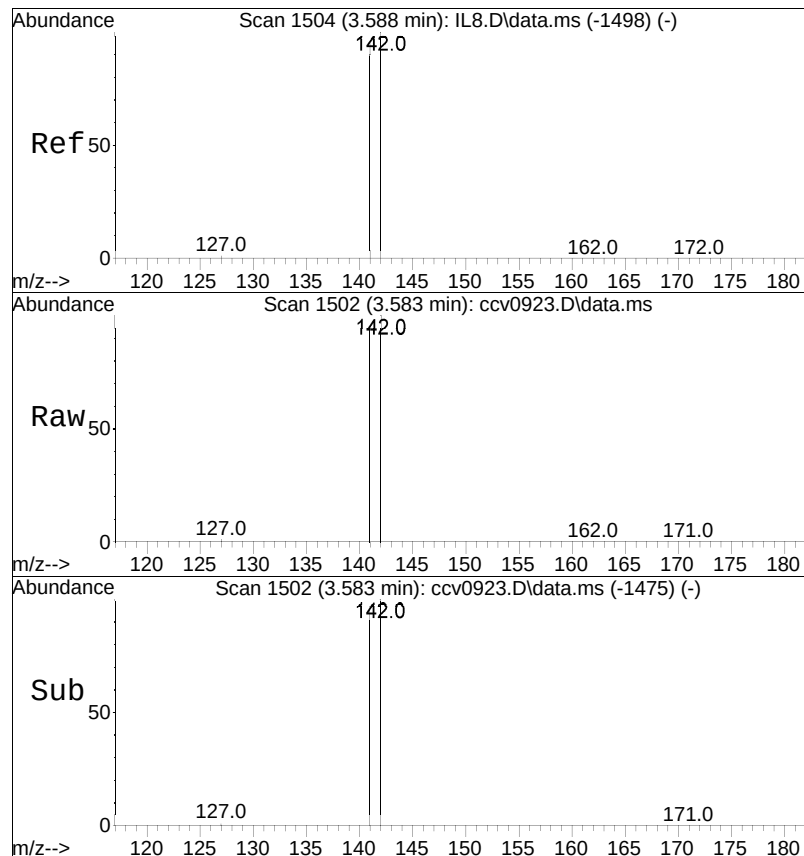




#11
 Hexachlorobutadiene
 Concen: 1064.17 ng/ml
 RT: 3.273 min Scan# 1334
 Delta R.T. -0.007 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

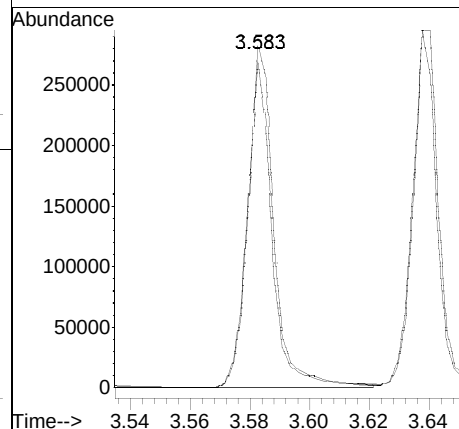
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6

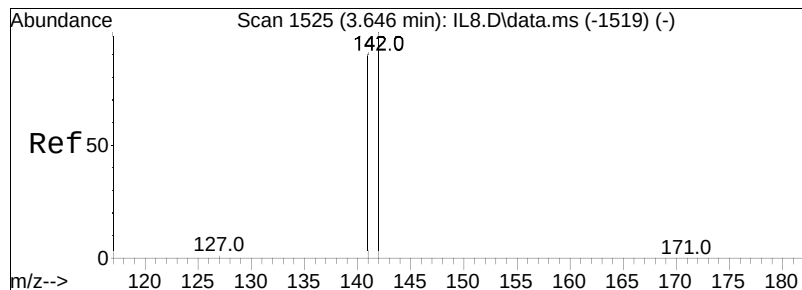




#12
 2-Methylnaphthalene
 Concen: 1126.64 ng/ml
 RT: 3.583 min Scan# 1502
 Delta R.T. -0.005 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

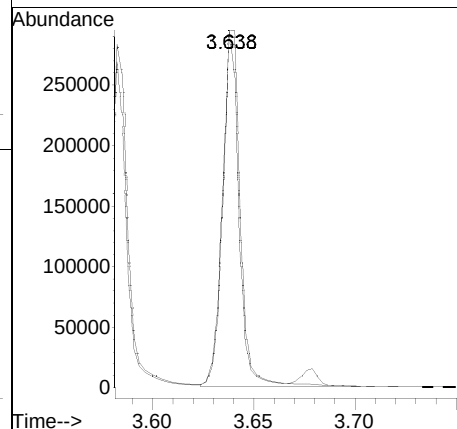
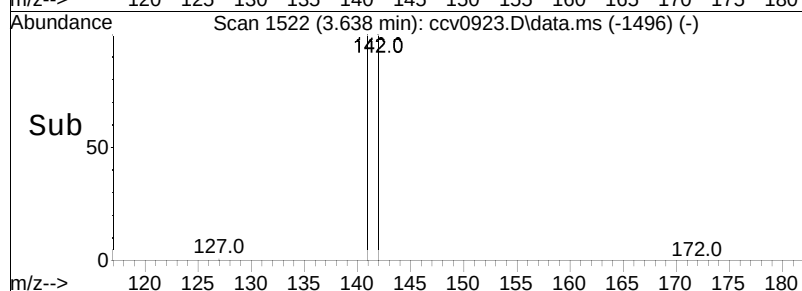
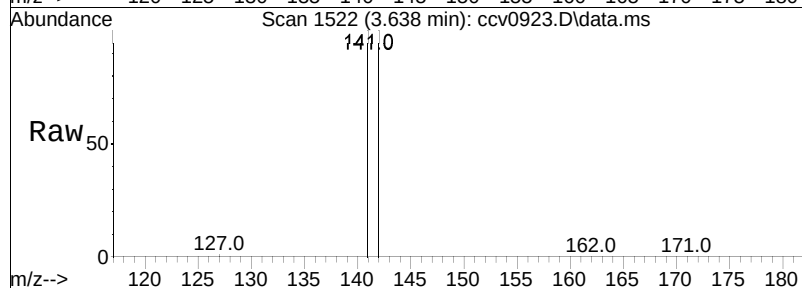
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.8	110.6

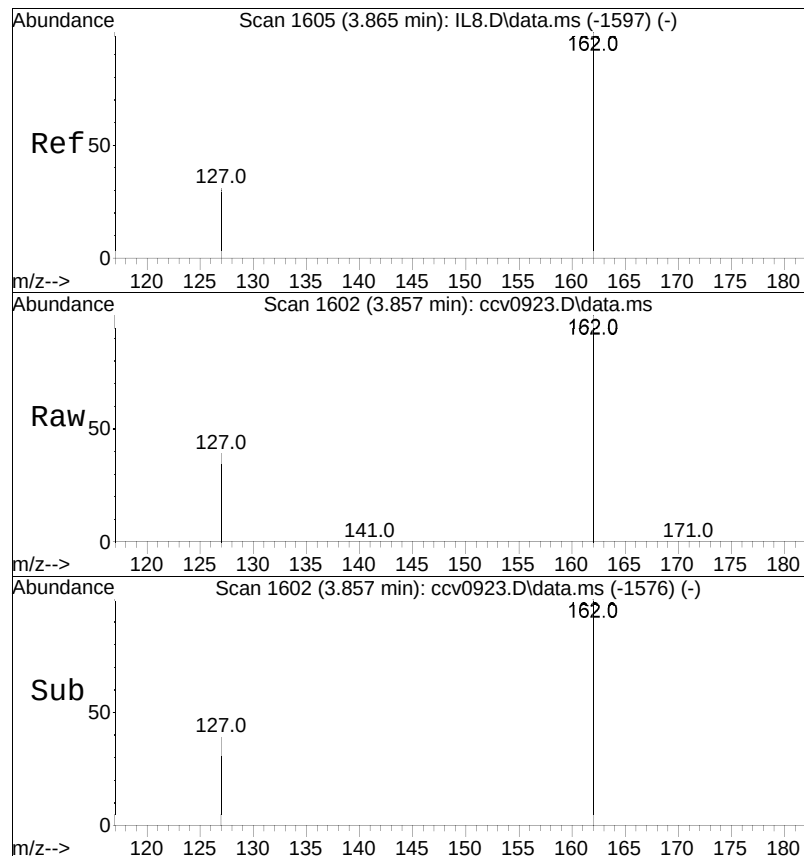




#13
 1-Methylnaphthalene
 Concen: 1087.66 ng/ml
 RT: 3.638 min Scan# 1522
 Delta R.T. -0.008 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

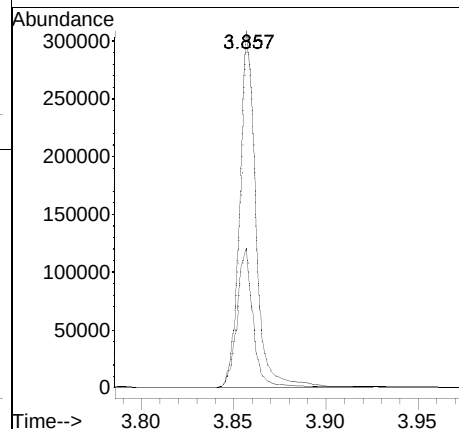
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.5	76.9	115.3

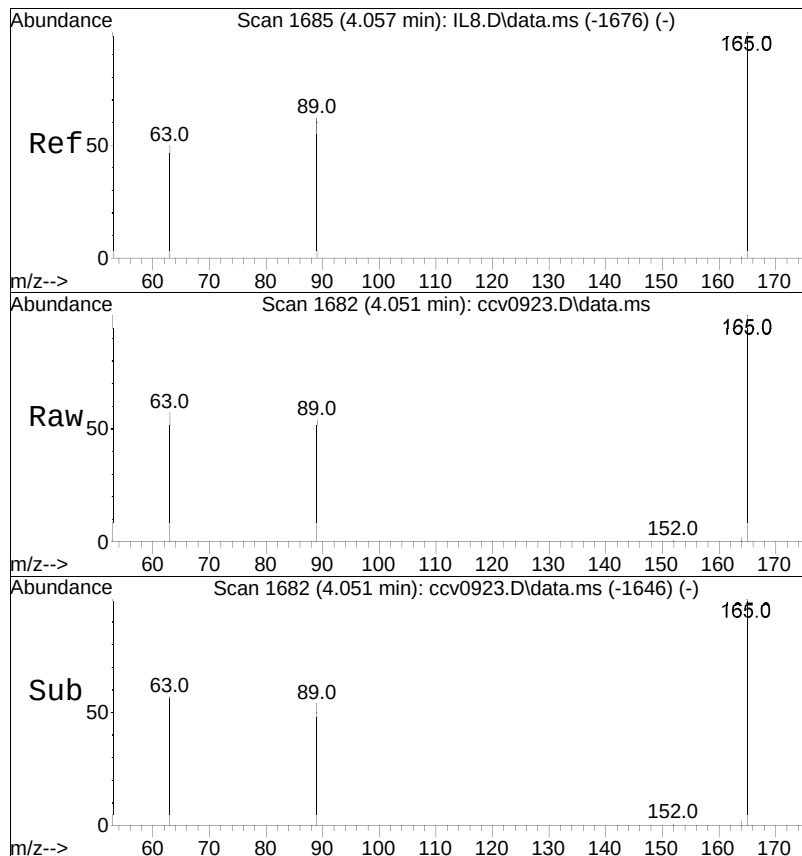




#15
 2-Chloronaphthalene
 Concen: 1099.75 ng/ml
 RT: 3.857 min Scan# 1602
 Delta R.T. -0.008 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

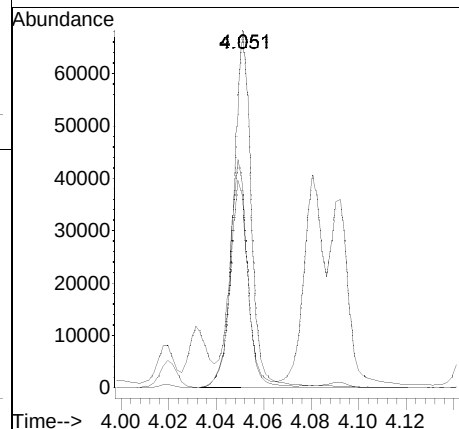
Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.5	31.6	47.4

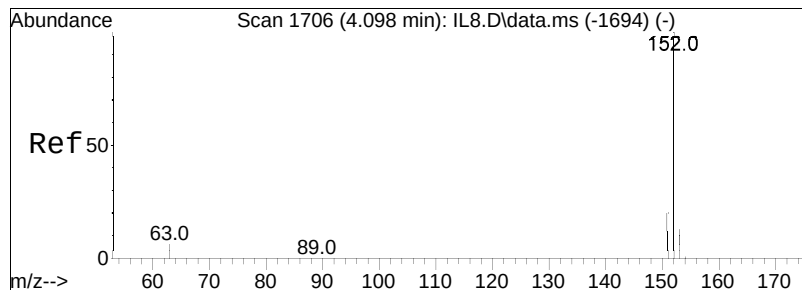




#16
 2,6-Dinitrotoluene
 Concen: 952.44 ng/ml
 RT: 4.051 min Scan# 1682
 Delta R.T. -0.006 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

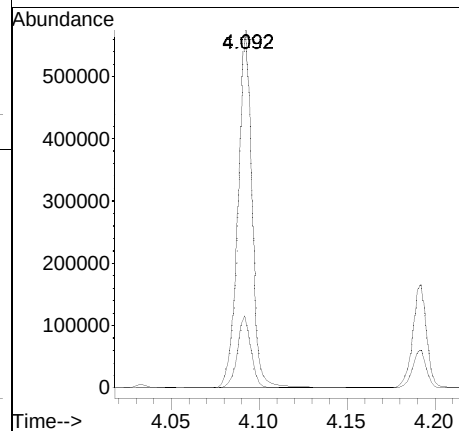
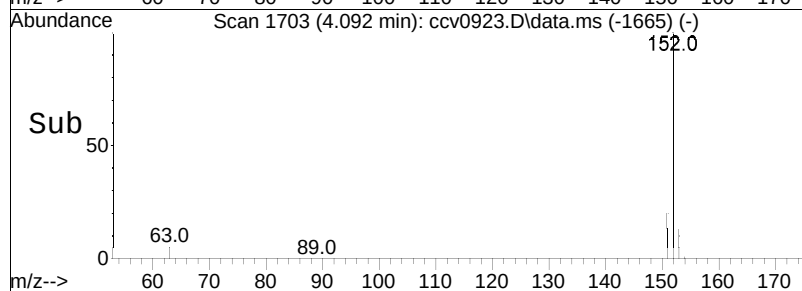
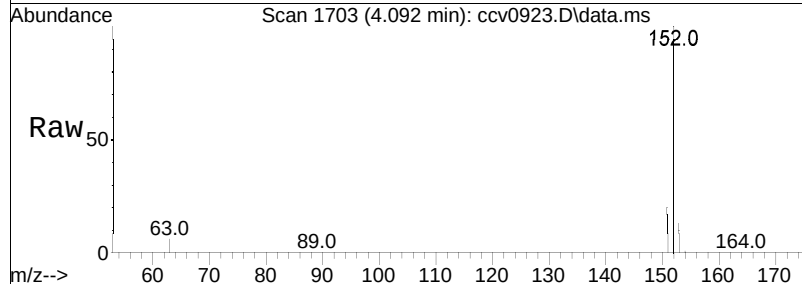
Tgt Ion	Ratio	Lower	Upper
165	100		
89	58.1	48.7	73.1
63	63.3	52.3	78.5

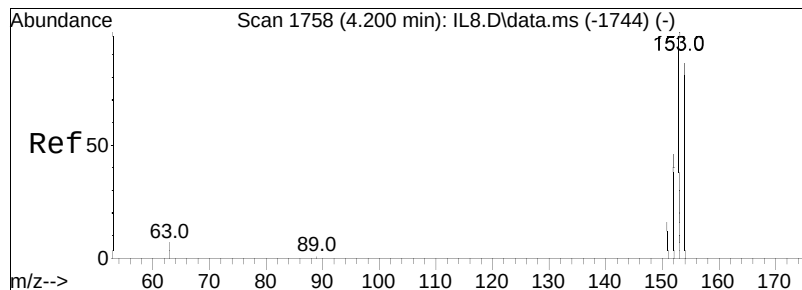




#17
 Acenaphthylene
 Concen: 1072.40 ng/ml
 RT: 4.092 min Scan# 1703
 Delta R.T. -0.006 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

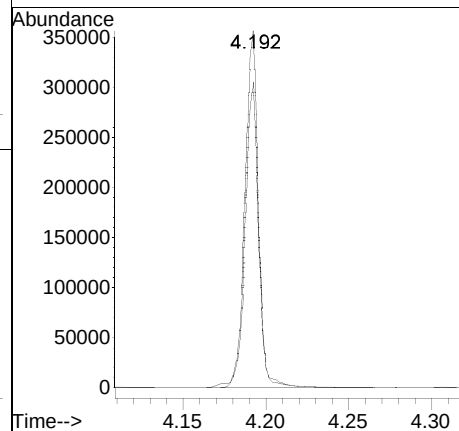
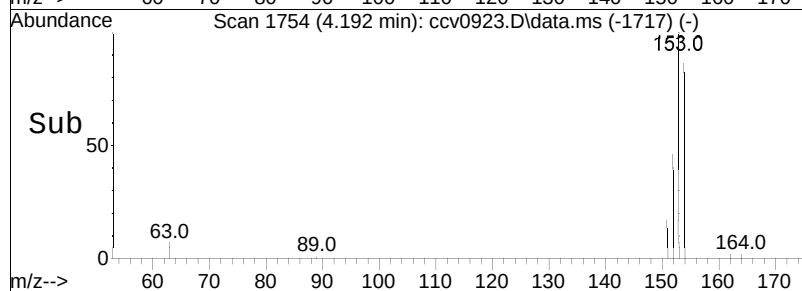
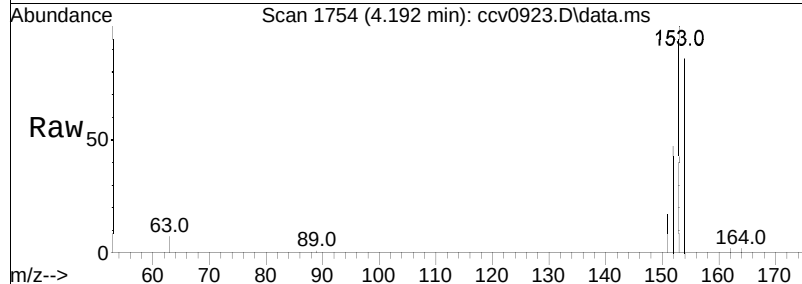
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8

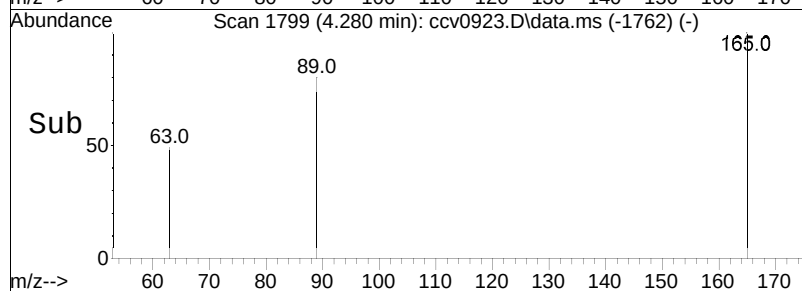
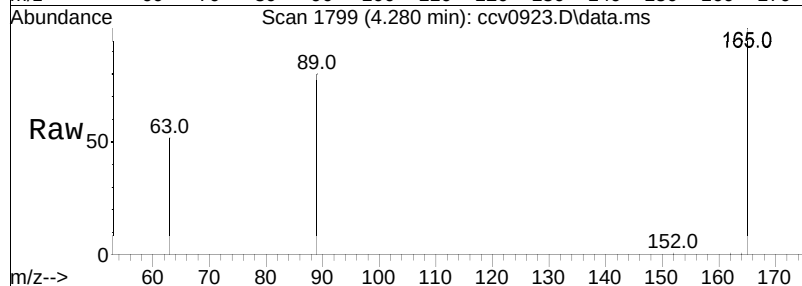
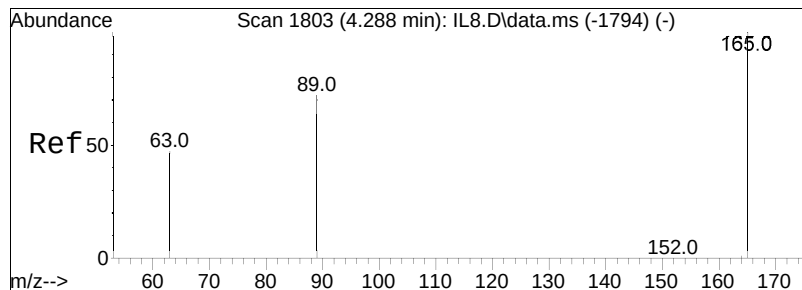




#19
 Acenaphthene
 Concen: 1111.03 ng/ml
 RT: 4.192 min Scan# 1754
 Delta R.T. -0.008 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

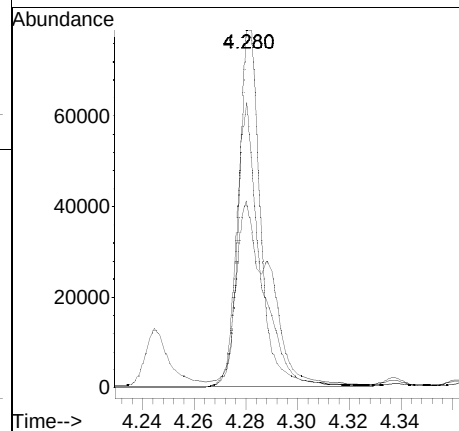
Tgt Ion	Ratio	Lower	Upper
153	100		
154	87.1	71.4	107.2

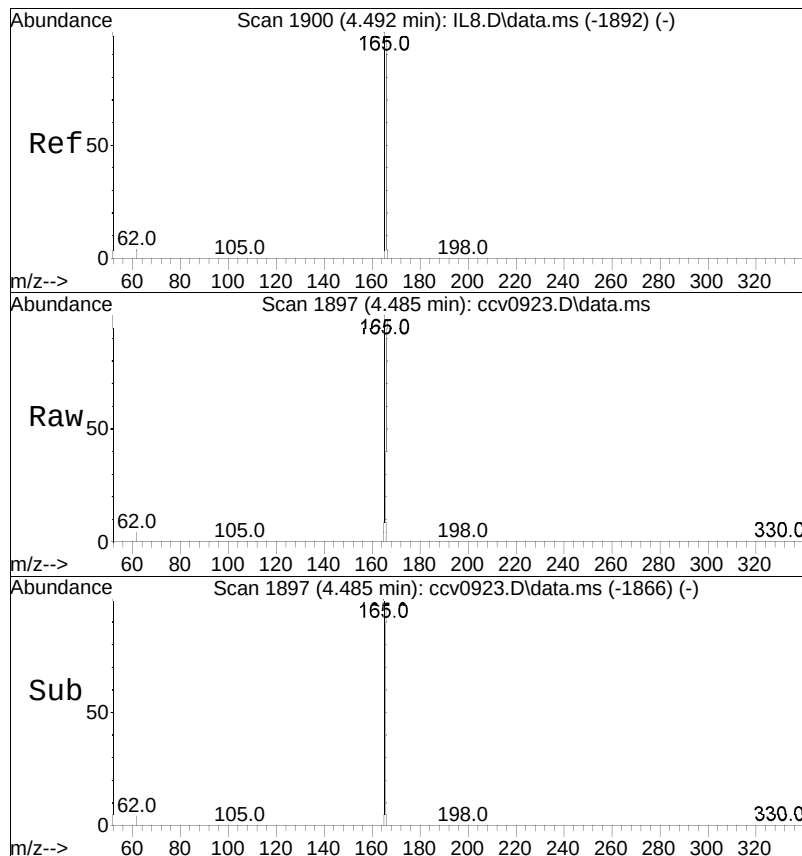




#20
 2,4-Dinitrotoluene
 Concen: 986.29 ng/ml
 RT: 4.280 min Scan# 1799
 Delta R.T. -0.008 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

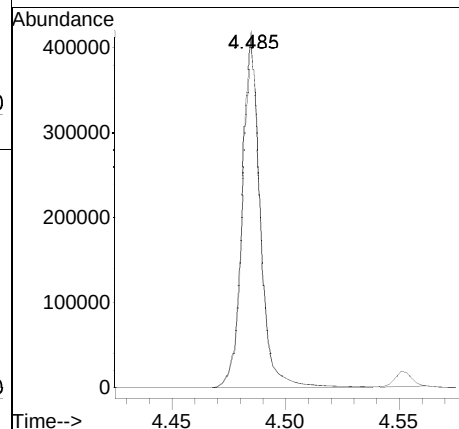
Tgt Ion	Ratio	Lower	Upper
165	100		
89	90.1	72.6	108.8
63	78.5	38.1	57.1

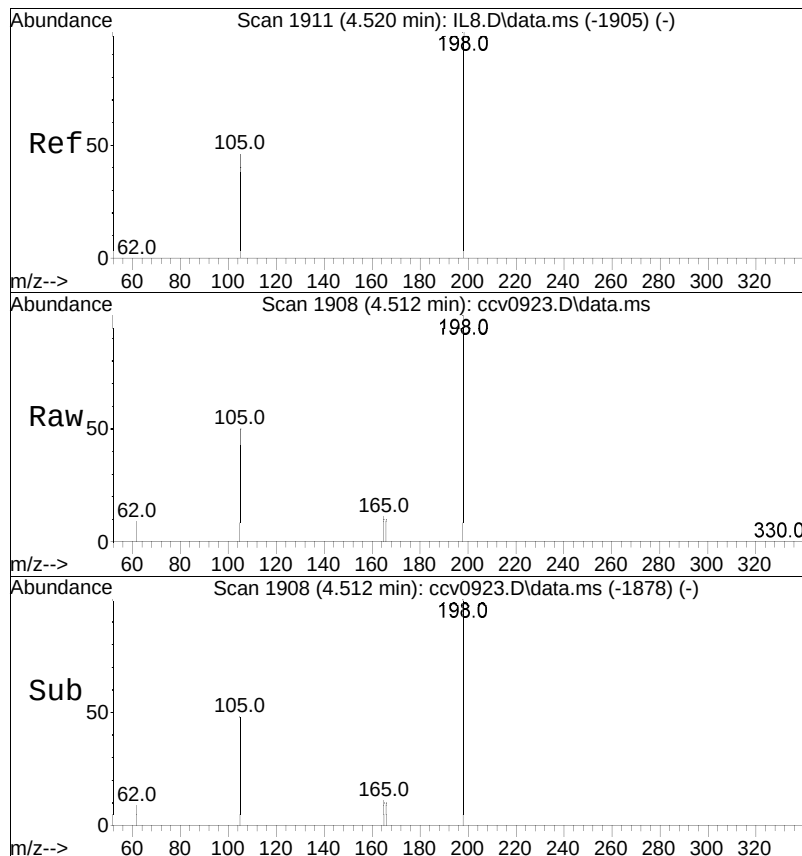




#21
Fluorene
Concen: 1156.59 ng/ml
RT: 4.485 min Scan# 1897
Delta R.T. -0.007 min
Lab File: ccv0923.D
Acq: 23 Sep 2025 02:26 pm

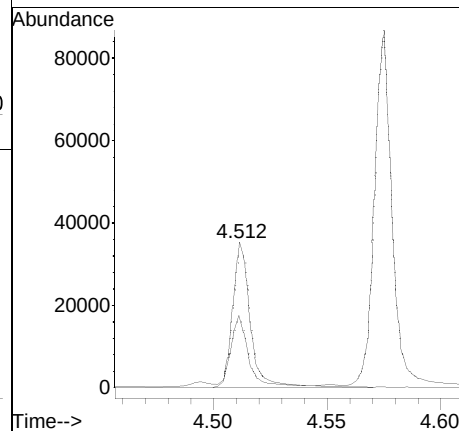
Tgt	Ion	Ratio	Lower	Upper
166	100			
165	102.4	81.5	122.3	

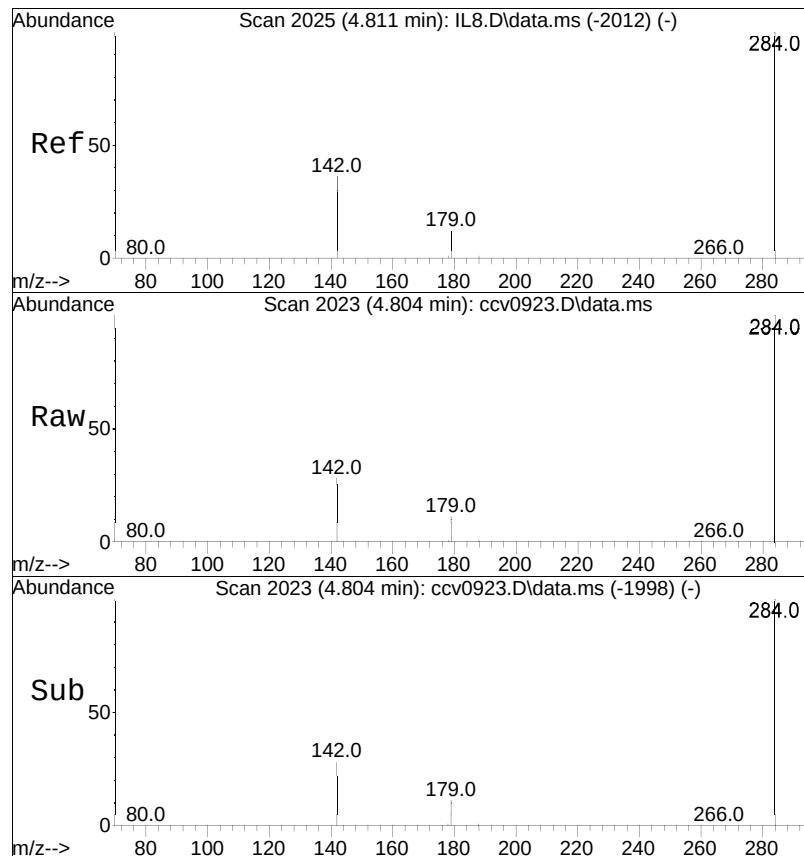




#24
 4,6-Dinitro-o-cresol
 Concen: 993.48 ng/ml
 RT: 4.512 min Scan# 1908
 Delta R.T. -0.007 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

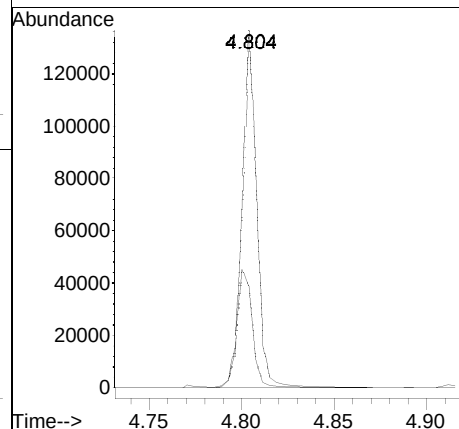
Tgt Ion	Ratio	Lower	Upper
198	100		
105	44.1	35.4	53.2

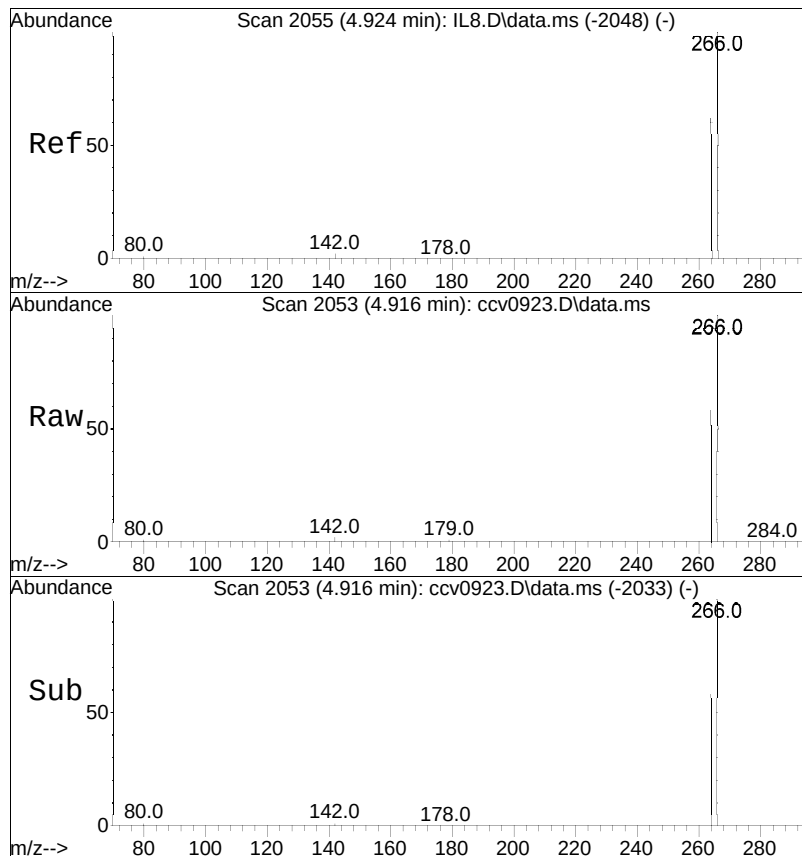




#25
 Hexachlorobenzene
 Concen: 1045.63 ng/ml M4
 RT: 4.804 min Scan# 2023
 Delta R.T. -0.007 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

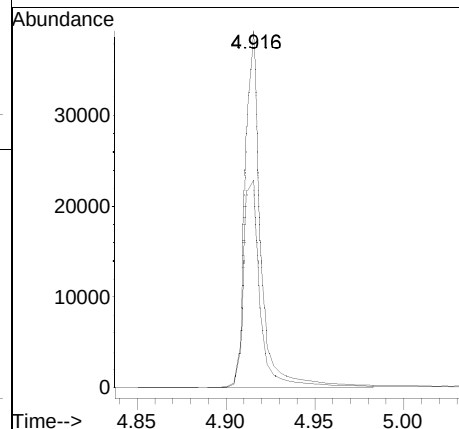
Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.6	29.6	44.4

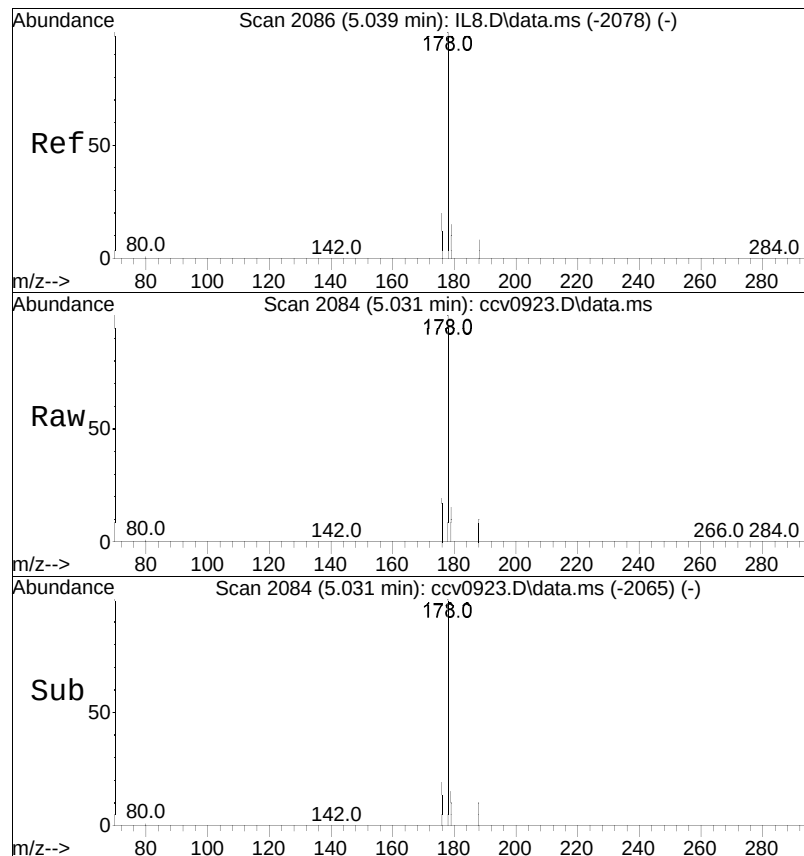




#26
 Pentachlorophenol
 Concen: 1129.25 ng/ml
 RT: 4.916 min Scan# 2053
 Delta R.T. -0.007 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

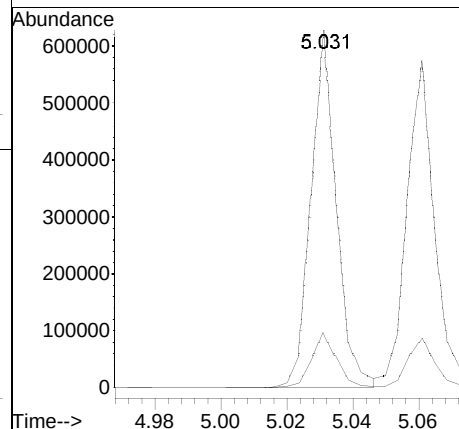
Tgt	Ion	Ratio	Lower	Upper
266	266	100		
264	264	62.4	50.5	75.7

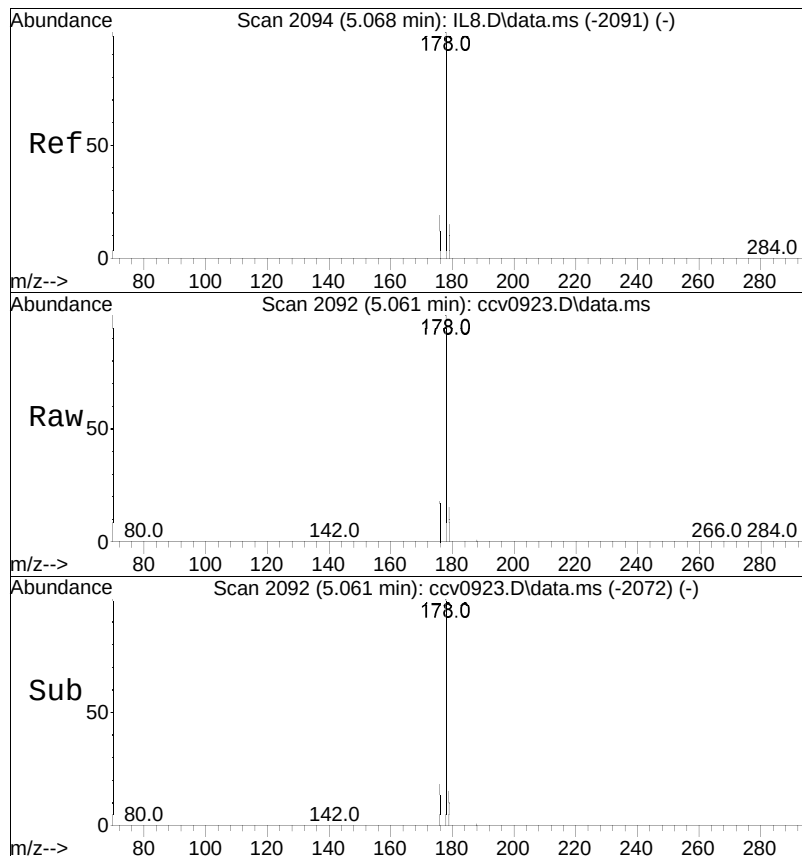




#27
 Phenanthrene
 Concen: 1060.28 ng/ml
 RT: 5.031 min Scan# 2084
 Delta R.T. -0.008 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

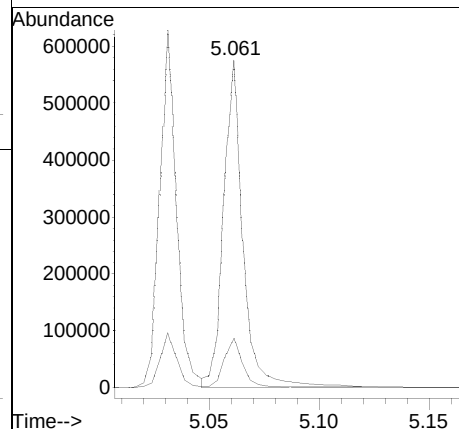
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6

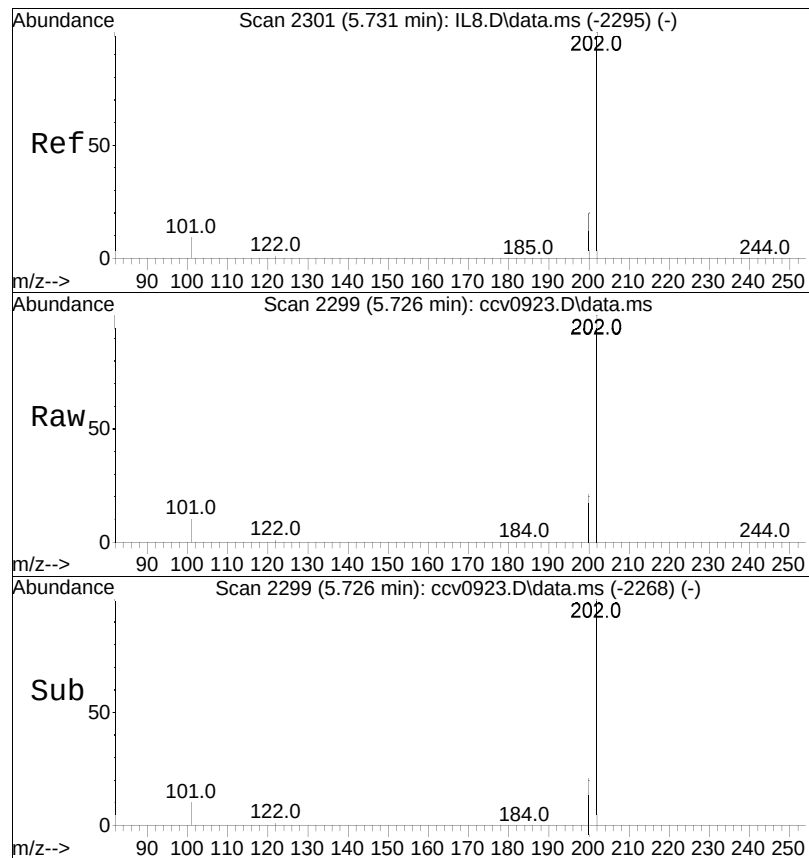




#28
 Anthracene
 Concen: 1106.08 ng/ml
 RT: 5.061 min Scan# 2092
 Delta R.T. -0.007 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

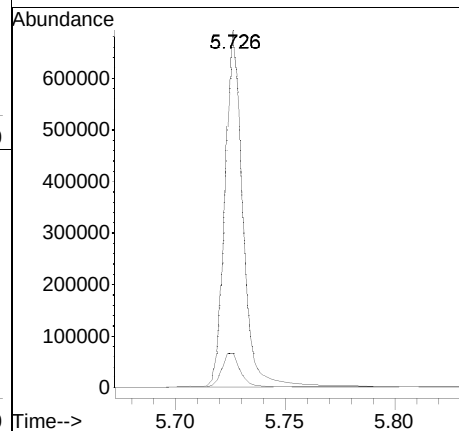
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

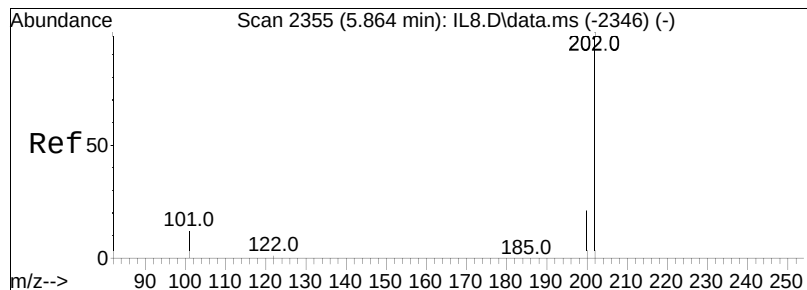




#29
 Fluoranthene
 Concen: 1106.92 ng/ml
 RT: 5.726 min Scan# 2299
 Delta R.T. -0.005 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

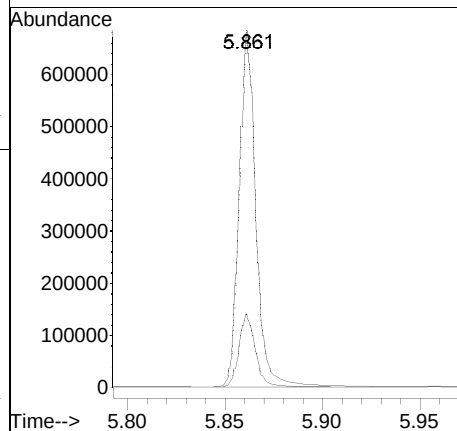
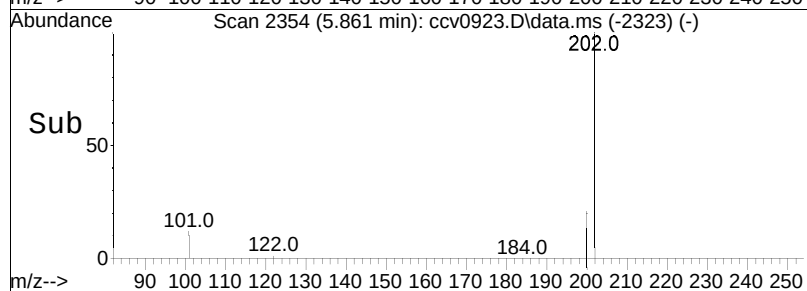
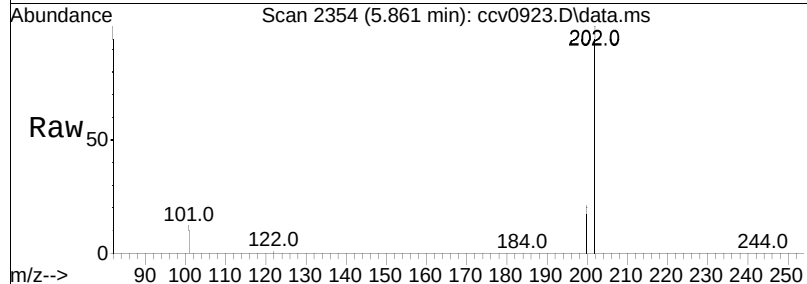
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	10.4	8.2	12.2	

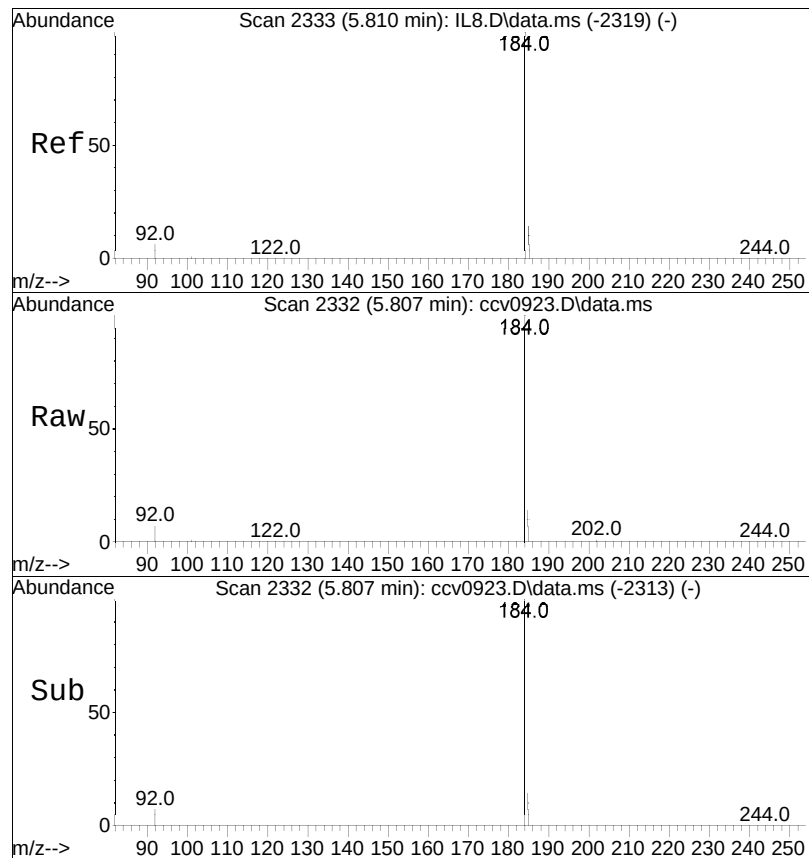




#30
 Pyrene
 Concen: 1101.83 ng/ml
 RT: 5.861 min Scan# 2354
 Delta R.T. -0.003 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

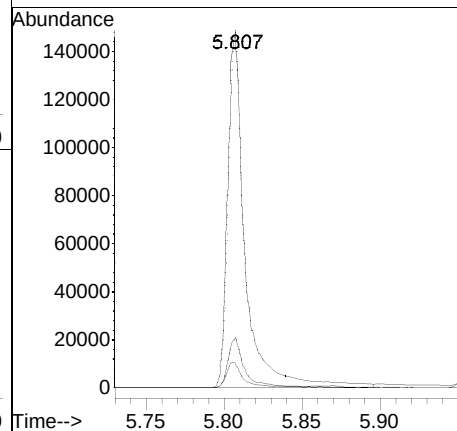
Tgt	Ion	Ratio	Lower	Upper
202	100			
200	20.9	16.6	25.0	

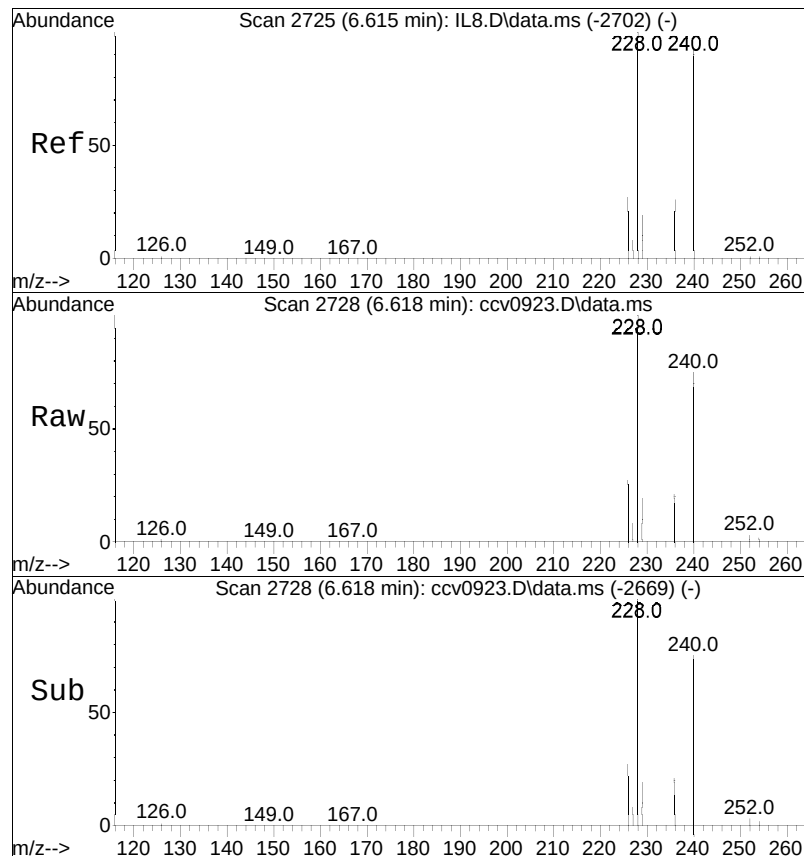




#31
 Benzidine
 Concen: 768.99 ng/mL
 RT: 5.807 min Scan# 2332
 Delta R.T. -0.003 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

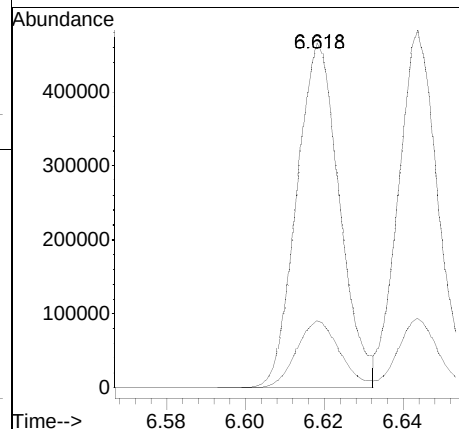
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	114167		
92	6.8		5.5	8.3
185	13.3		10.6	15.8

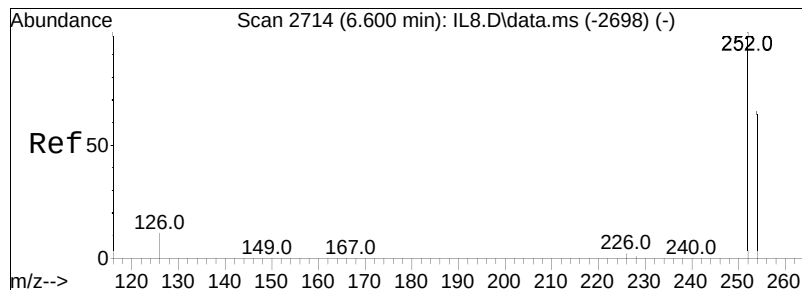




#34
 Benzo[a]anthracene
 Concen: 1086.62 ng/ml
 RT: 6.618 min Scan# 2728
 Delta R.T. 0.003 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

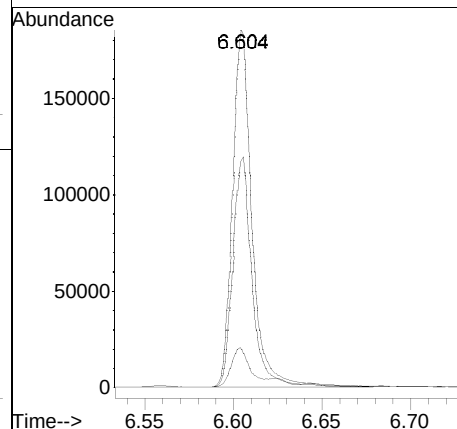
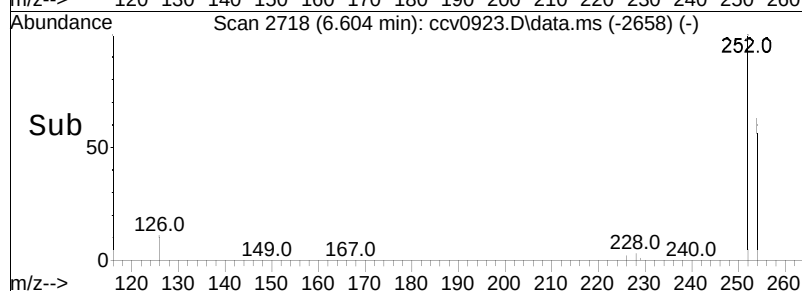
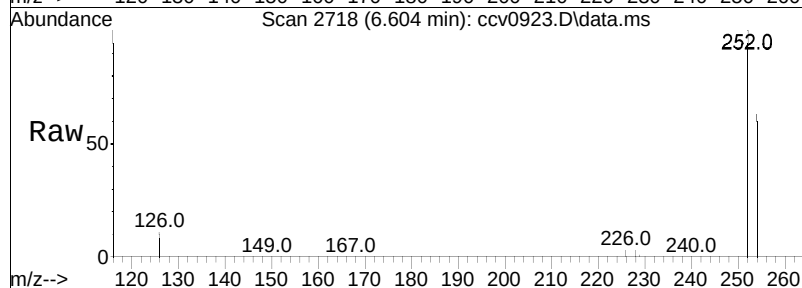
Tgt	Ion	Ratio	Lower	Upper
228	228	100		
229	229	19.6	15.7	23.5

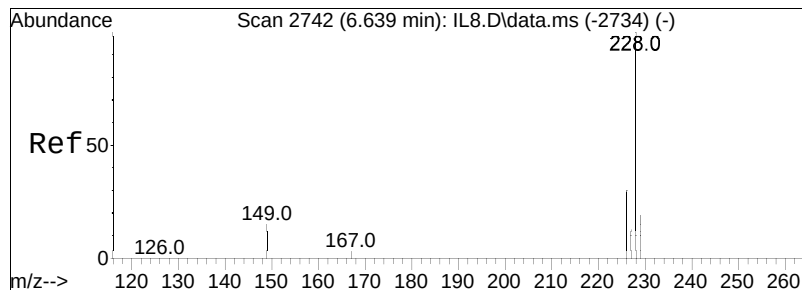




#35
 3,3'-Dichlorobenzidine
 Concen: 1083.63 ng/ml
 RT: 6.604 min Scan# 2718
 Delta R.T. 0.004 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

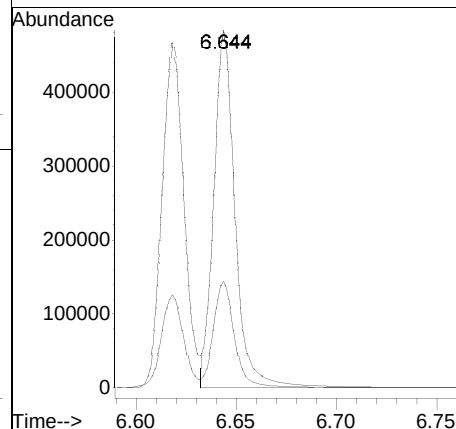
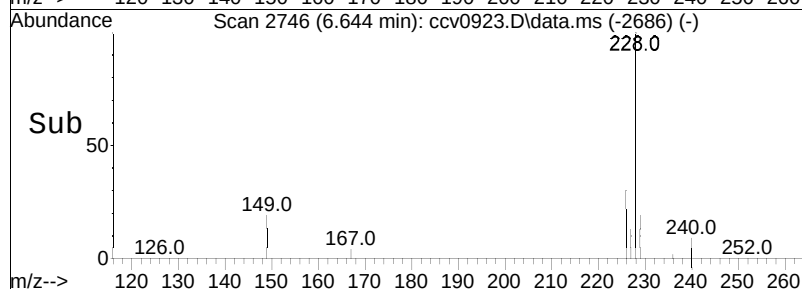
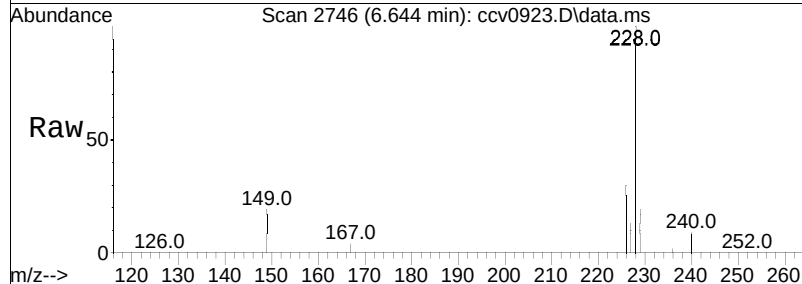
Tgt	Ion	252	Resp:	138657
Ion	Ratio	Lower	Upper	
252	100			
126	11.4	8.6	13.0	
254	64.3	51.3	76.9	

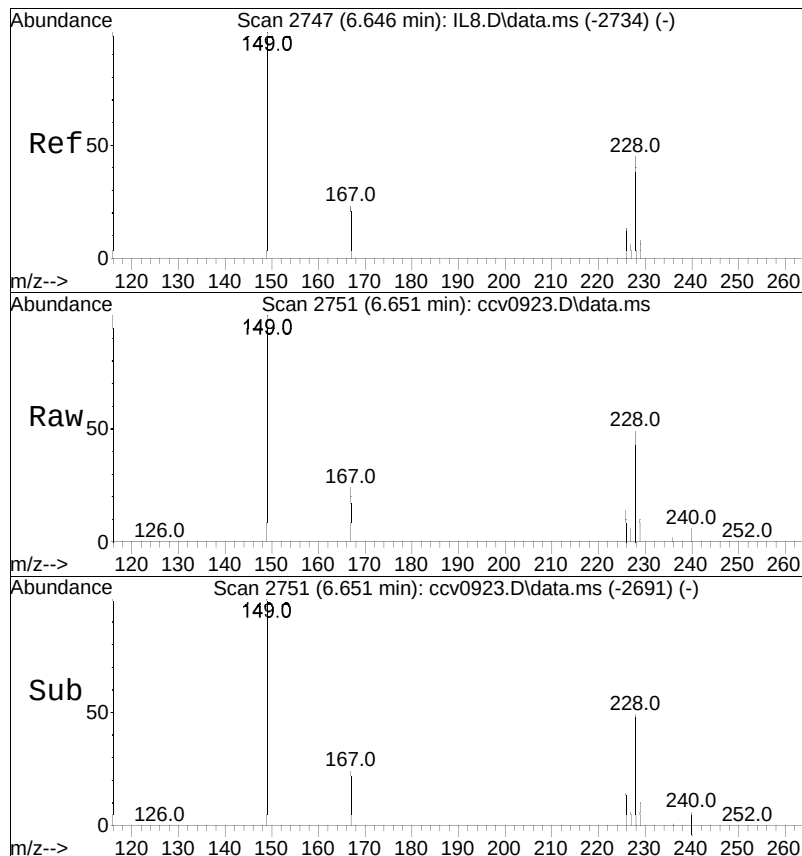




#36
 Chrysene
 Concen: 1086.91 ng/ml
 RT: 6.644 min Scan# 2746
 Delta R.T. 0.005 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

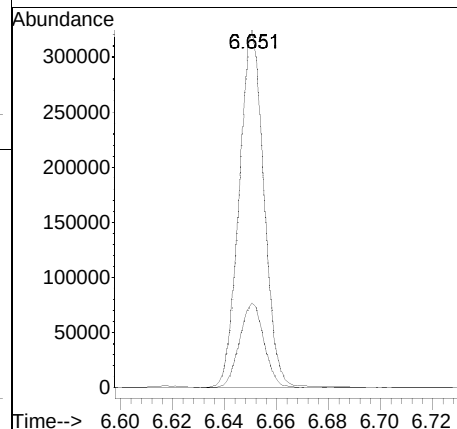
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0

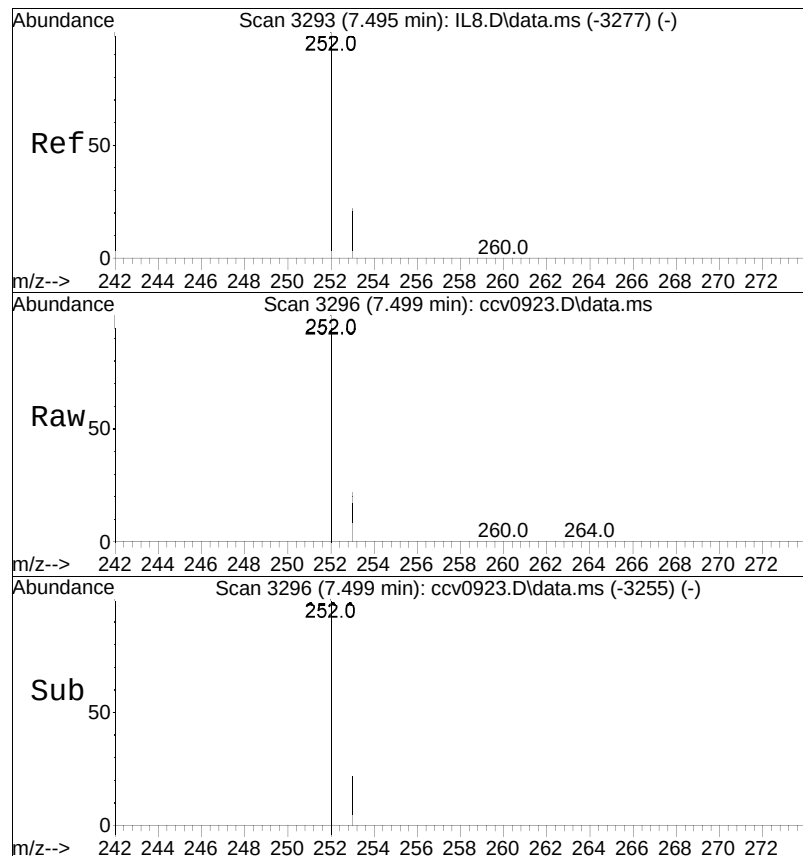




#37
 Bis(2-ethylhexyl)phthalate
 Concen: 1255.69 ng/ml
 RT: 6.651 min Scan# 2751
 Delta R.T. 0.005 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

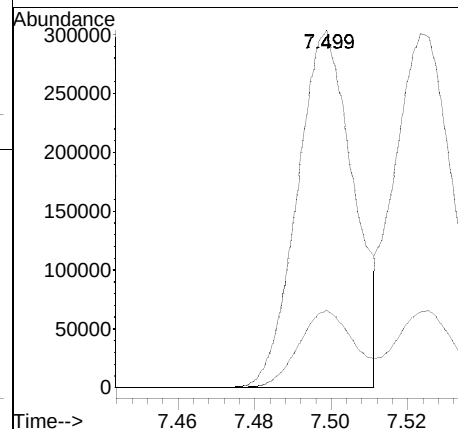
Tgt Ion:	149	Resp:	212039
Ion Ratio	Lower	Upper	
149	100		
167	23.5	18.6	28.0

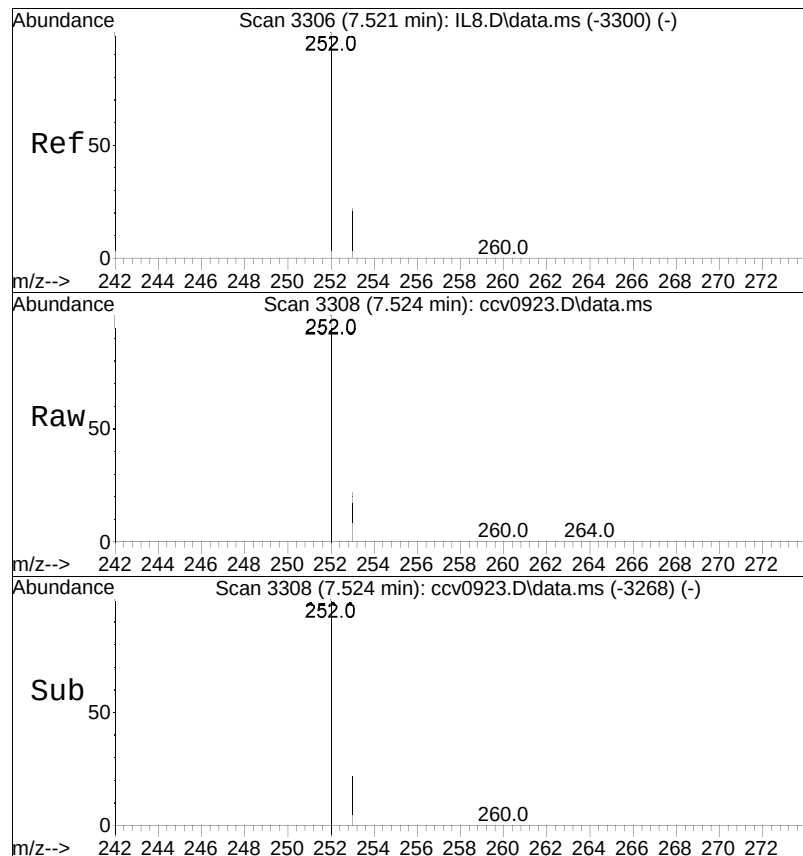




#39
 Benzo[b]fluoranthene
 Concen: 1166.20 ng/ml
 RT: 7.499 min Scan# 3296
 Delta R.T. 0.004 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

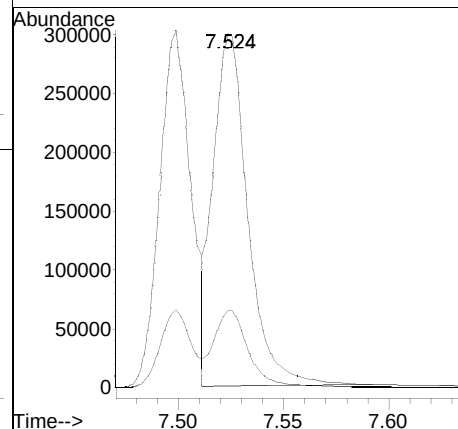
Tgt Ion:	252	Resp:	310611
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.2	25.8

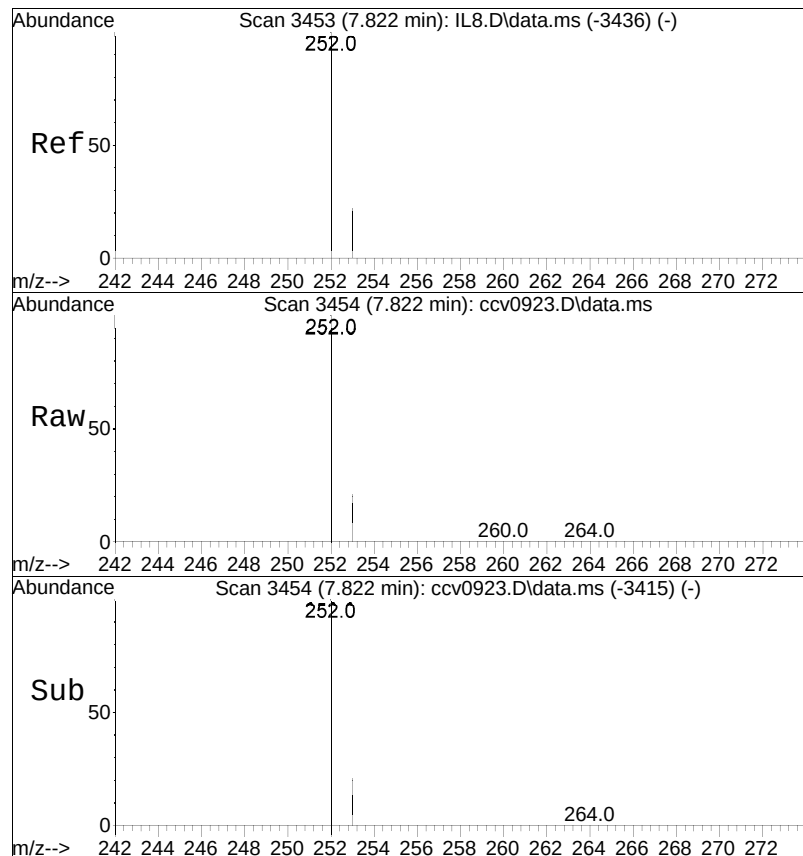




#40
 Benzo[k]fluoranthene
 Concen: 1159.54 ng/ml
 RT: 7.524 min Scan# 3308
 Delta R.T. 0.003 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

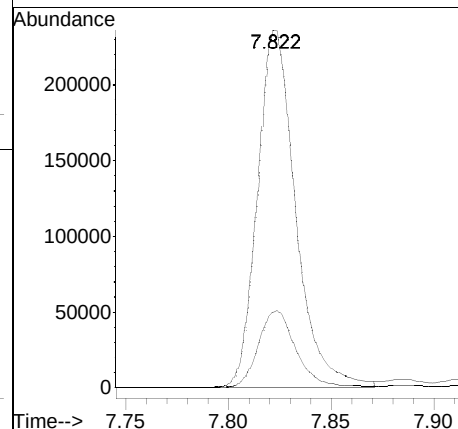
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.9	17.2	25.8	

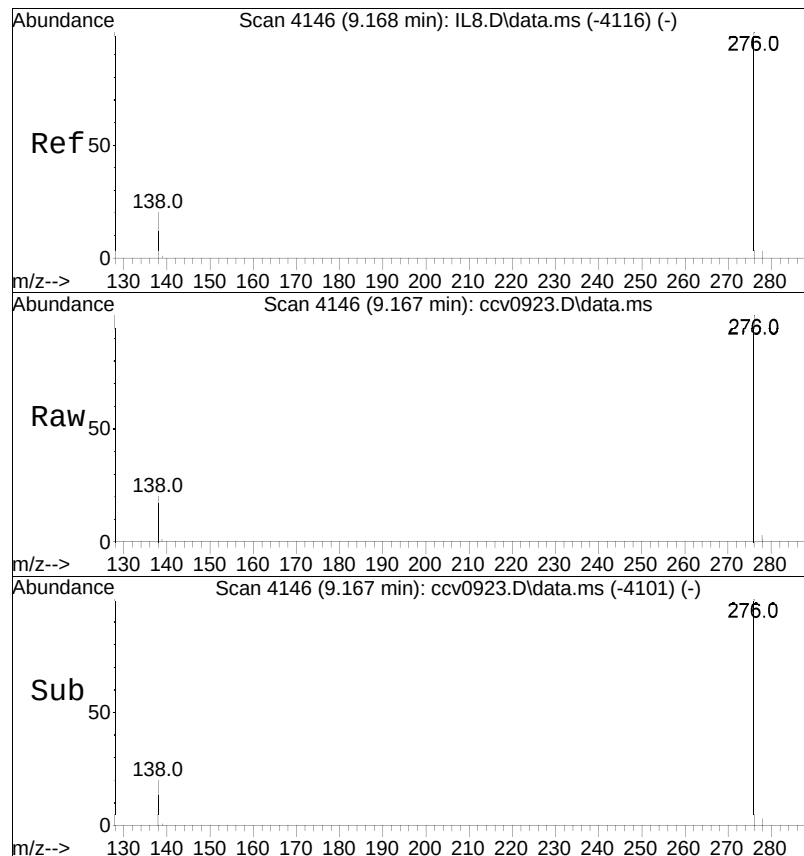




#41
 Benzo[a]pyrene
 Concen: 1199.78 ng/ml
 RT: 7.822 min Scan# 3454
 Delta R.T. -0.000 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

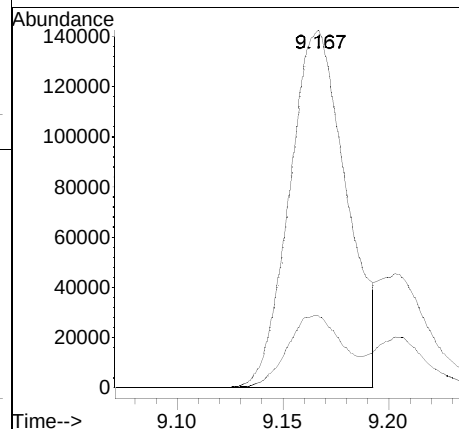
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

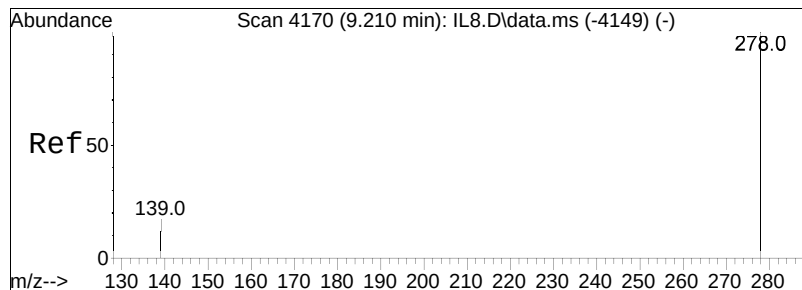




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1266.83 ng/ml
 RT: 9.167 min Scan# 4146
 Delta R.T. -0.001 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	20.0	16.3	24.5	





#43

Dibenzo[a,h]anthracene

Concen: 1349.25 ng/ml M6

RT: 9.205 min Scan# 4168

Delta R.T. -0.005 min

Lab File: ccv0923.D

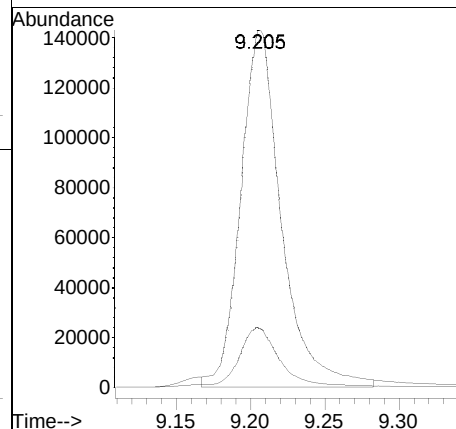
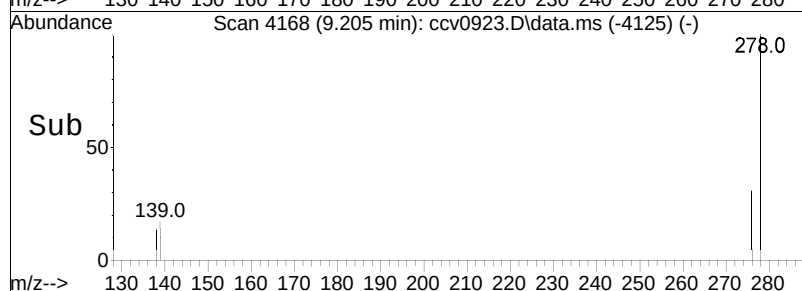
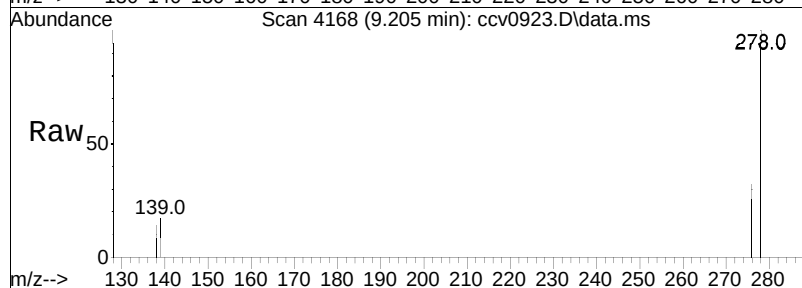
Acq: 23 Sep 2025 02:26 pm

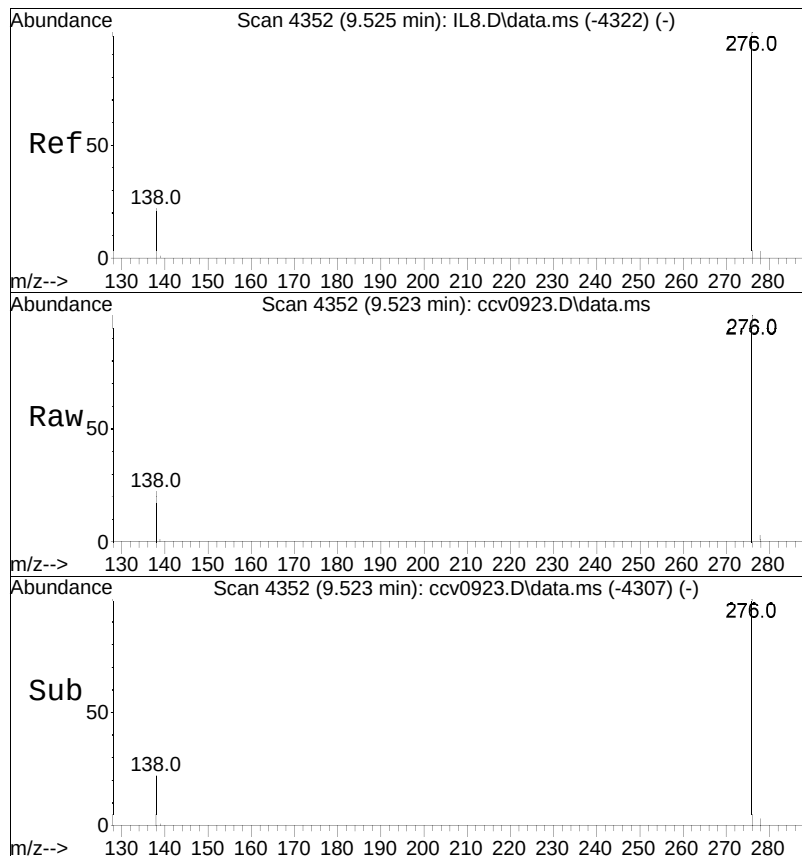
Tgt Ion: 278 Resp: 271386

Ion Ratio Lower Upper

278 100

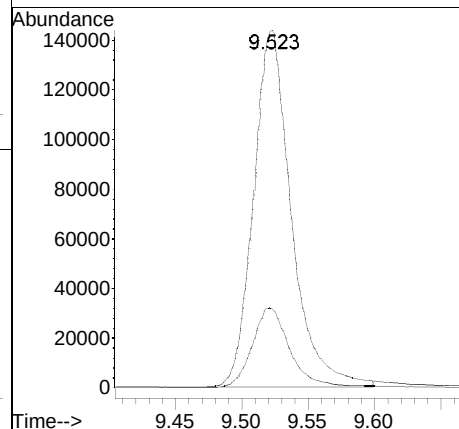
139 15.9 12.6 18.8





#44
 Benzo[g,h,i]perylene
 Concen: 1183.68 ng/ml
 RT: 9.523 min Scan# 4352
 Delta R.T. -0.002 min
 Lab File: ccv0923.D
 Acq: 23 Sep 2025 02:26 pm

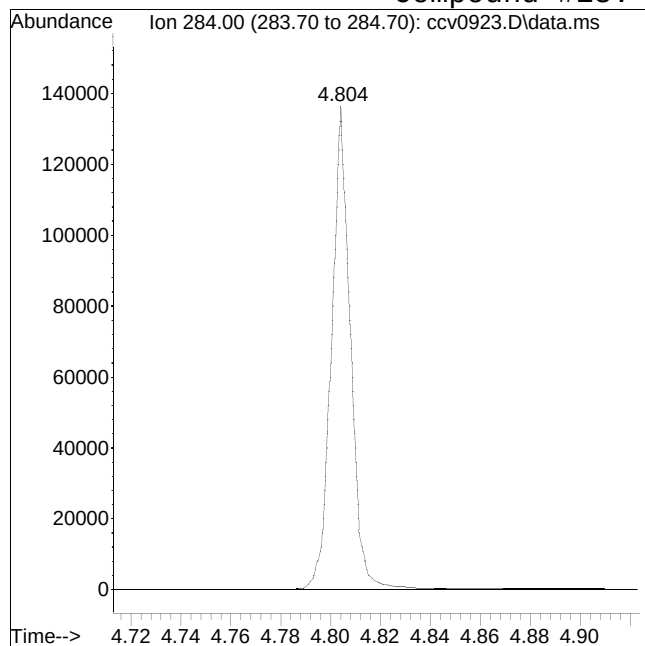
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	17.8	26.8



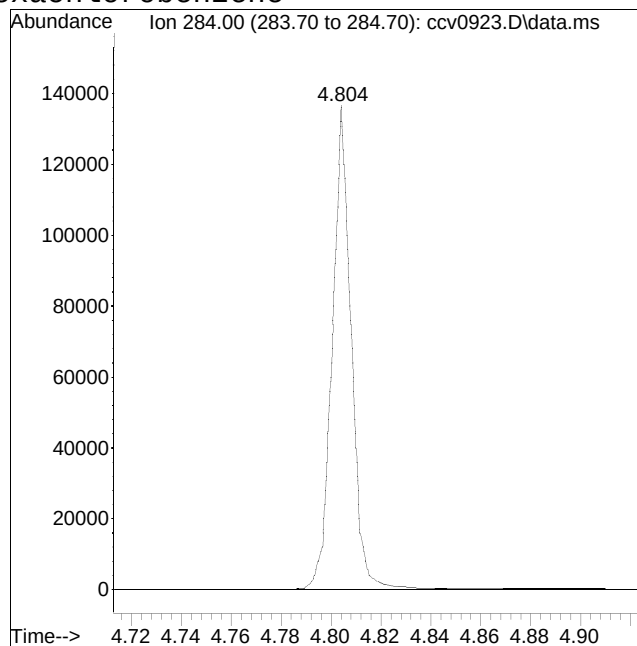
Manual Integration Report

Data Path : I:\8270SIM\sv120\250923RVTQMethod : SIM-RVT_250917_sv120.M
Data File : ccv0923.D Operator : SV120:dv
Date Inj'd : 9/23/2025 2:26 pm Instrument : SV120
Sample : wg2118575-3,32,,ICV 11696 Quant Date : 9/23/2025 2:52 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 71196



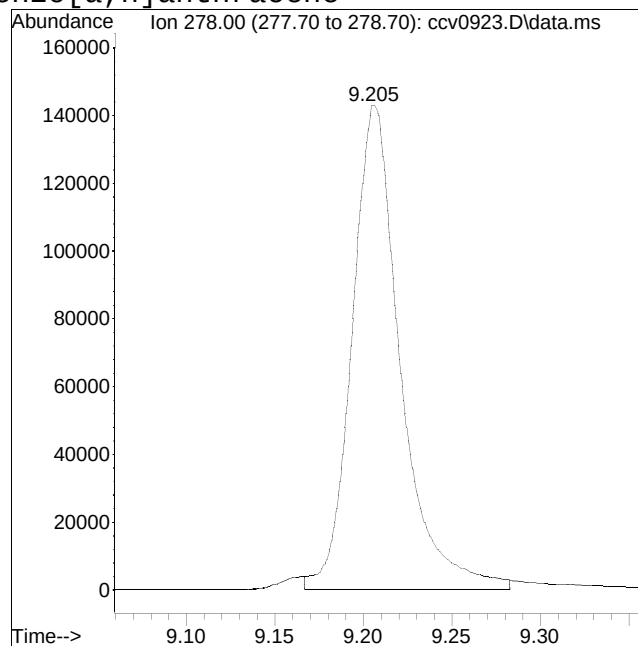
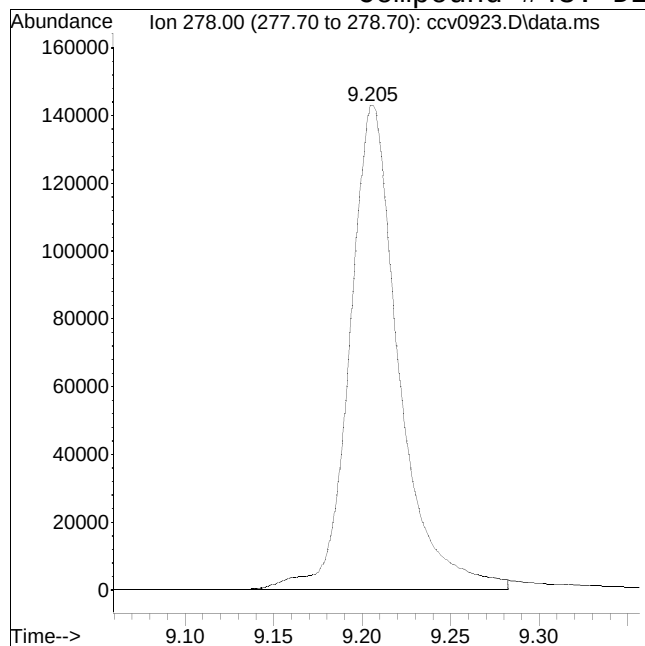
Manual Peak Response = 72502 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\sv120\250923RVTQMethod : SIM-RVT_250917_sv120.M
Data File : ccv0923.D Operator : SV120:dv
Date Inj'd : 9/23/2025 2:26 pm Instrument : SV120
Sample : wg2118575-3,32,,ICV 11696 Quant Date : 9/23/2025 2:52 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 275139

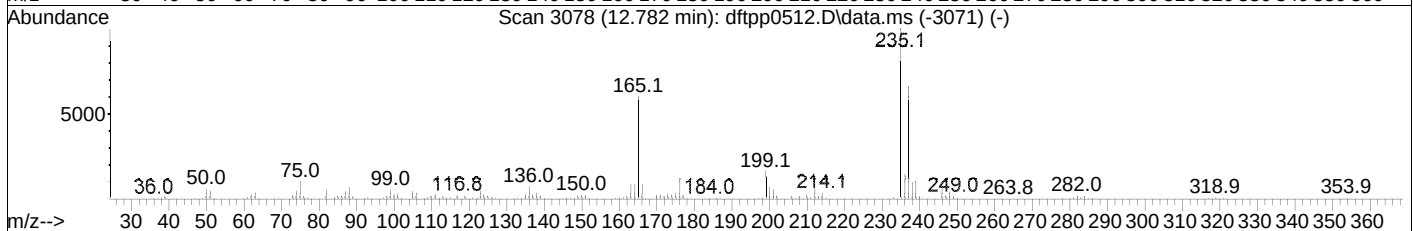
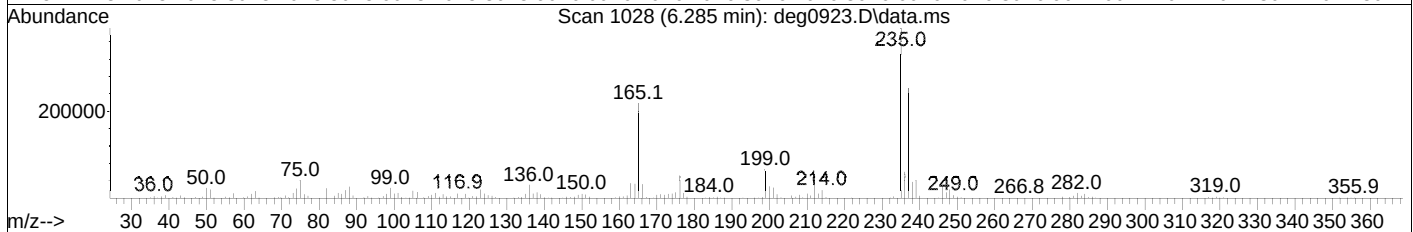
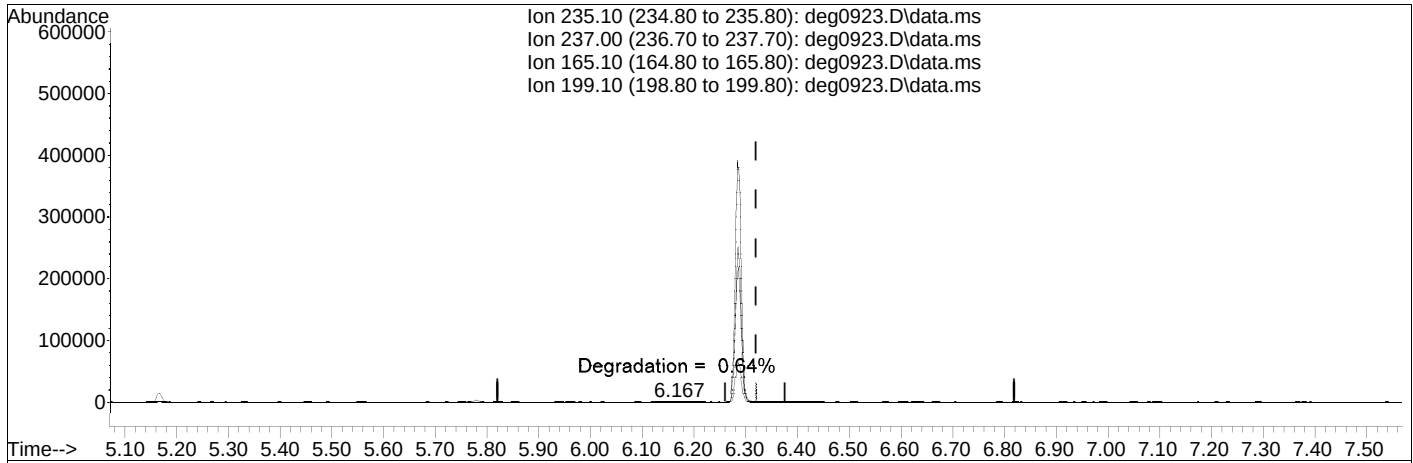
Manual Peak Response = 271386 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\250923RVT\
Data File : deg0923.D
Acq On : 23 Sep 2025 02:06 pm
Operator : SV120:dv
Sample : WG2118575-2,32,, dftpp SV120 lot#11981
Misc : WG2118575,, ical22659
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 23 14:21:30 2025
Quant Method : I:\8270SIM\sv120\250923RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 14 17:02:49 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



CHROMtools [WG2118575-2,32,, dftpp SV120 lot#11981]

(6) ddt (T)

6.285min (-0.035) 50.83

response 309837

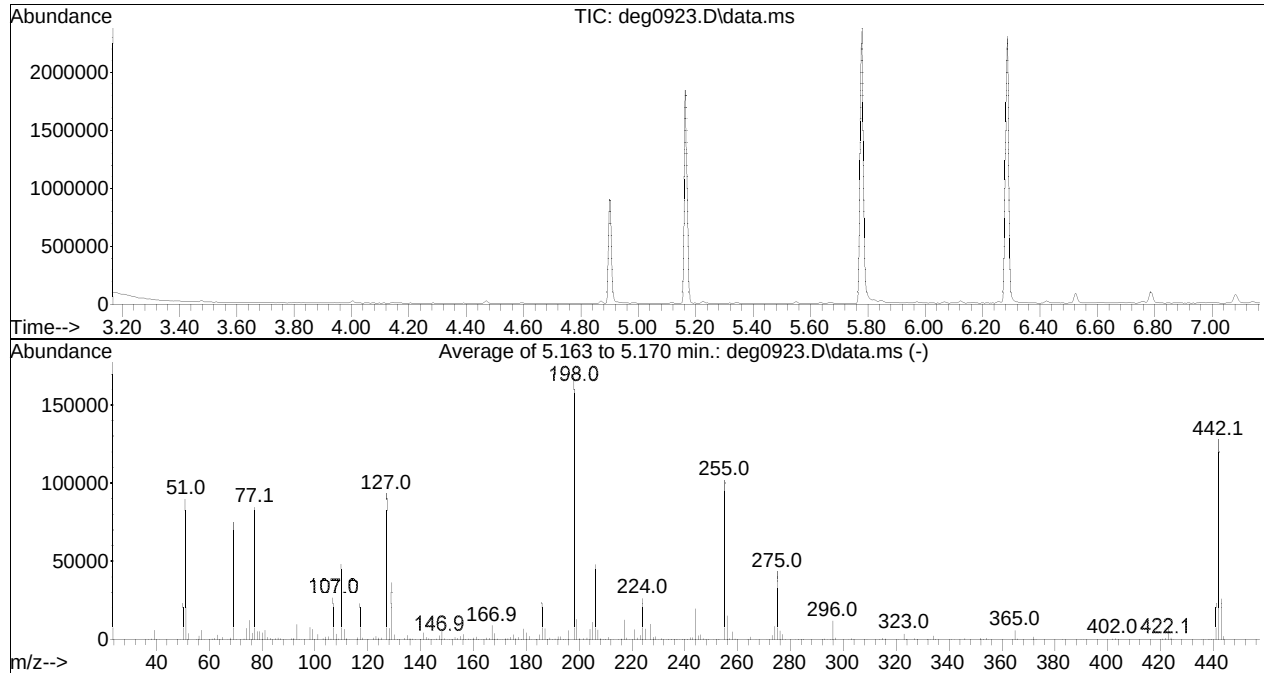
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.81
165.10	53.30	55.45
199.10	17.10	16.45

DFTPP

Data Path : I:\8270SIM\sv120\250923RVT\
 Data File : deg0923.D
 Acq On : 23 Sep 2025 02:06 pm
 Operator : SV120:dv
 Sample : WG2118575-1,32,, dftpp SV120 lot#11981
 Misc : WG2118575,,ical22659
 ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv120\250923RVT\SIM-RVT_250917_sv120.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Tue Sep 23 14:52:25 2025



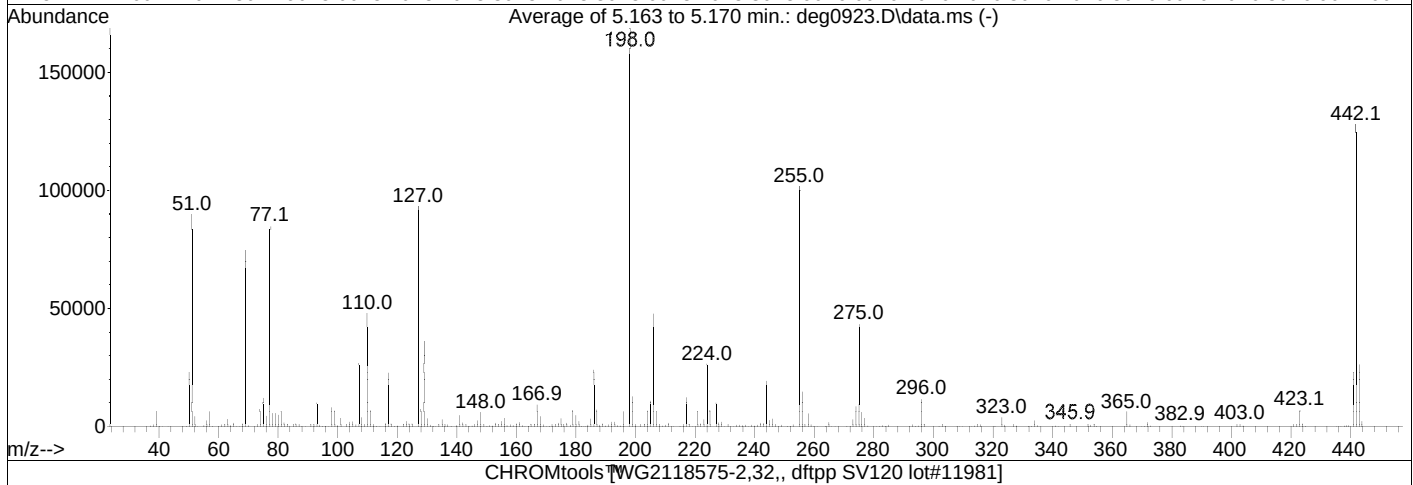
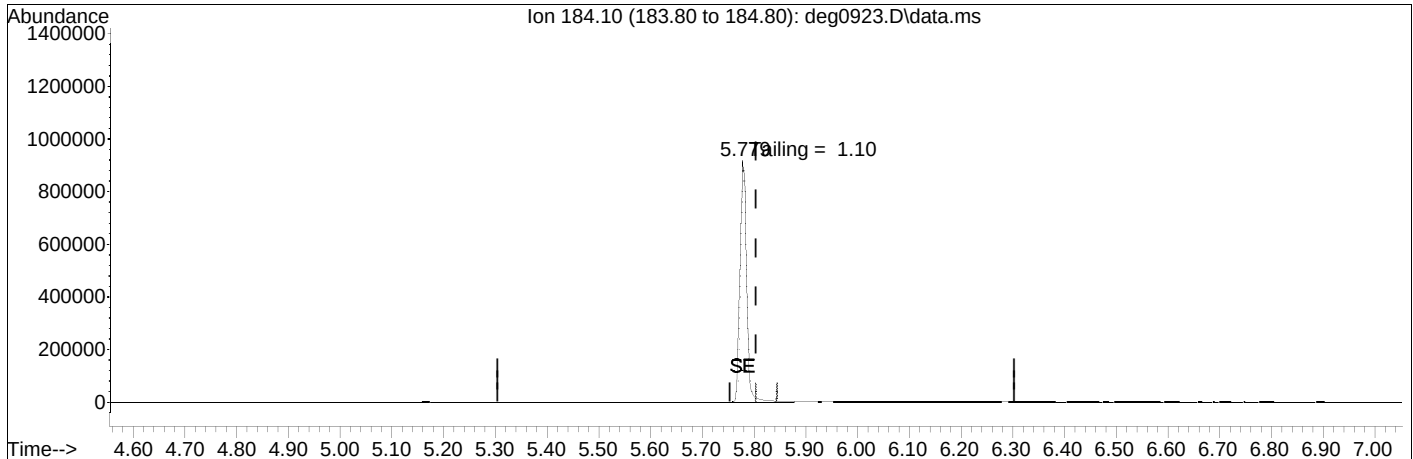
Spectrum Information: Average of 5.163 to 5.170 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	53.1	89669	PASS
68	69	0.00	2	2.0	1490	PASS
69	69	100	100	100.0	74584	PASS
70	69	0.00	2	0.7	513	PASS
127	198	10	80	55.1	93085	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	168789	PASS
199	198	5	9	7.6	12747	PASS
275	198	10	60	25.7	43413	PASS
365	198	1	100	3.5	5896	PASS
441	442	0.01	24	18.1	23091	PASS
442	198	50	100	75.7	127835	PASS
443	442	15	24	20.3	25904	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\250923RVT\
Data File : deg0923.D
Acq On : 23 Sep 2025 02:06 pm
Operator : SV120:dv
Sample : WG2118575-4,32,, dftpp SV120 lot#11981
Misc : WG2118575,, ical22659
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 23 14:21:30 2025
Quant Method : I:\8270SIM\sv120\250923RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 14 17:02:49 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



(3) benzidine (T)

5.779min (-0.025) 73.96

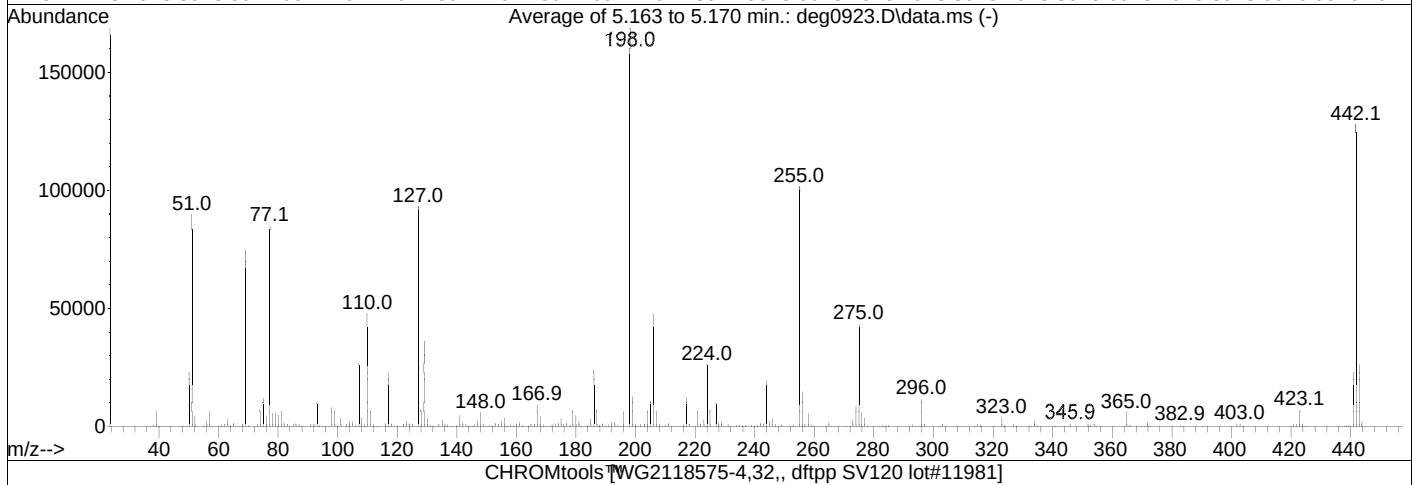
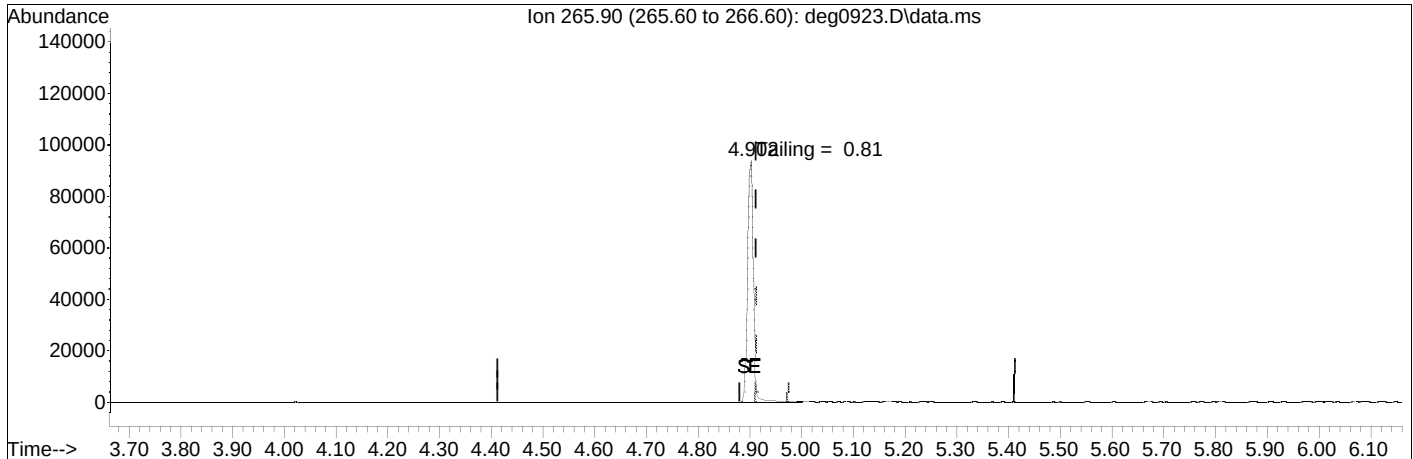
response 752938

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\250923RVT\
Data File : deg0923.D
Acq On : 23 Sep 2025 02:06 pm
Operator : SV120:dv
Sample : WG2118575-5,32,, dftpp SV120 lot#11981
Misc : WG2118575,, ical22659
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 23 14:21:30 2025
Quant Method : I:\8270SIM\sv120\250923RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 14 17:02:49 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



(1) pentachlorophenol (T)

4.902min (-0.010) 33.36

response 70066

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV125
 Lab File ID : CCV0920
 Sample No : WG2117439-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/20/25 13:46
 Init. Calib. Date(s) : 09/08/25 09/08/25
 Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	70	0
N-Nitrosodimethylamine	0.648	0.744	.05	-14.8	20	78	0
2-Fluorophenol	0.988	1.228	.05	-24.3*	20	81	0
Phenol-d6	1.22	1.482	.05	-21.5*	20	79	0
Bis(2-chloroethyl)ether	1.1	1.169	.05	-6.3	20	71	0
n-nitrosodi-n-propylamine	0.731	0.863	.05	-18.1	20	80	0
Hexachloroethane	0.502	0.514	.05	-2.4	20	72	0
Nitrobenzene-d5	0.974	1.28	.05	-31.4*	20	84	0
Naphthalene-d8	1	1	.05	0	20	71	0
Naphthalene	1.058	1.026	.05	3	20	72	0
Hexachlorobutadiene	0.175	0.189	.05	-8	20	77	0
2-Methylnaphthalene	0.617	0.659	.05	-6.8	20	75	0
1-Methylnaphthalene	0.663	0.678	.05	-2.3	20	74	0
2-Fluorobiphenyl	0.816	0.868	.05	-6.4	20	77	0
2-Chloronaphthalene	0.693	0.716	.05	-3.3	20	74	0
2,6-Dinitrotoluene	0.128	0.172	.05	-34.4*	20	91	0
Acenaphthylene	1.095	1.22	.05	-11.4	20	76	0
Acenaphthene-d10	1	1	.05	0	20	73	0
Acenaphthene	1.279	1.326	.05	-3.7	20	77	0
2,4-Dinitrotoluene	1000	1241.426	.05	-24.1*	20	95	0
Fluorene	1.432	1.577	.05	-10.1	20	80	0
2,4,6-Tribromophenol	0.149	0.24	.05	-61.1*	20	103	0
Phenanthrene-d10	1	1	.05	0	20	84	0
4,6-Dinitro-o-cresol	1000	1102.908	.05	-10.3	20	102	0
Hexachlorobenzene	0.217	0.234	.05	-7.8	20	90	0
Pentachlorophenol	1000	1420.23	.05	-42*	20	136	0
Phenanthrene	1.143	1.128	.05	1.3	20	84	0
Anthracene	1.09	1.127	.05	-3.4	20	86	0
Fluoranthene	1.236	1.349	.05	-9.1	20	91	0
Pyrene	1.268	1.394	.05	-9.9	20	90	0
Benzidine	1000	759.067	.05	24.1*	20	70	0
4-Terphenyl-d14	0.802	0.875	.05	-9.1	20	94	0
Chrysene-d12	1	1	.05	0	20	90	0
Benzo[a]anthracene	1000	1031.628	.05	-3.2	20	93	0
3,3'-Dichlorobenzidine	1000	985.171	.05	1.5	20	92	0
Chrysene	1.27	1.335	.05	-5.1	20	91	0
Bis(2-ethylhexyl)phthalate	1000	1122.812	.05	-12.3	20	106	0
Perylene-d12	1	1	.05	0	20	88	0
Benzo[b]fluoranthene	1.265	1.421	.05	-12.3	20	99	0
Benzo[k]fluoranthene	1.282	1.293	.05	-0.9	20	84	0
Benzo[a]pyrene	1.119	1.212	.05	-8.3	20	90	0
Indeno[1,2,3-cd]pyrene	1.063	1.123	.05	-5.6	20	88	0
Dibenzo[a,h]anthracene	1.054	1.102	.05	-4.6	20	89	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV125
Lab File ID : CCV0920
Sample No : WG2117439-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/20/25 13:46
Init. Calib. Date(s) : 09/08/25 09/08/25
Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.096	1.152	.05	-5.1	20	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV125
 Lab File ID : CCV0922
 Sample No : WG2117833-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/22/25 07:08
 Init. Calib. Date(s) : 09/08/25 09/08/25
 Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	74	0
N-Nitrosodimethylamine	0.648	0.742	.05	-14.5	20	83	0
2-Fluorophenol	0.988	1.241	.05	-25.6*	20	87	0
Phenol-d6	1.22	1.503	.05	-23.2*	20	85	0
Bis(2-chloroethyl)ether	1.1	1.174	.05	-6.7	20	77	0
n-nitrosodi-n-propylamine	0.731	0.867	.05	-18.6	20	86	0
Hexachloroethane	0.502	0.528	.05	-5.2	20	79	0
Nitrobenzene-d5	0.974	1.33	.05	-36.6*	20	93	0
Naphthalene-d8	1	1	.05	0	20	75	0
Naphthalene	1.058	1.032	.05	2.5	20	76	0
Hexachlorobutadiene	0.175	0.192	.05	-9.7	20	83	0
2-Methylnaphthalene	0.617	0.647	.05	-4.9	20	78	0
1-Methylnaphthalene	0.663	0.658	.05	0.8	20	75	0
2-Fluorobiphenyl	0.816	0.833	.05	-2.1	20	78	0
2-Chloronaphthalene	0.693	0.693	.05	0	20	75	0
2,6-Dinitrotoluene	0.128	0.163	.05	-27.3*	20	90	0
Acenaphthylene	1.095	1.159	.05	-5.8	20	76	0
Acenaphthene-d10	1	1	.05	0	20	72	0
Acenaphthene	1.279	1.329	.05	-3.9	20	75	0
2,4-Dinitrotoluene	1000	1223.826	.05	-22.4*	20	92	0
Fluorene	1.432	1.515	.05	-5.8	20	75	0
2,4,6-Tribromophenol	0.149	0.232	.05	-55.7*	20	97	0
Phenanthrene-d10	1	1	.05	0	20	75	0
4,6-Dinitro-o-cresol	1000	1223.543	.05	-22.4*	20	101	0
Hexachlorobenzene	0.217	0.235	.05	-8.3	20	81	0
Pentachlorophenol	1000	1489.628	.05	-49*	20	128	0
Phenanthrene	1.143	1.145	.05	-0.2	20	76	0
Anthracene	1.09	1.116	.05	-2.4	20	76	0
Fluoranthene	1.236	1.298	.05	-5	20	78	0
Pyrene	1.268	1.339	.05	-5.6	20	77	0
Benzidine	1000	801.825	.05	19.8	20	68	0
4-Terphenyl-d14	0.802	0.817	.05	-1.9	20	79	0
Chrysene-d12	1	1	.05	0	20	79	0
Benzo[a]anthracene	1000	1055.242	.05	-5.5	20	84	0
3,3'-Dichlorobenzidine	1000	1061.071	.05	-6.1	20	88	0
Chrysene	1.27	1.329	.05	-4.6	20	79	0
Bis(2-ethylhexyl)phthalate	1000	1117.035	.05	-11.7	20	92	0
Perylene-d12	1	1	.05	0	20	82	0
Benzo[b]fluoranthene	1.265	1.421	.05	-12.3	20	93	0
Benzo[k]fluoranthene	1.282	1.281	.05	0.1	20	78	0
Benzo[a]pyrene	1.119	1.263	.05	-12.9	20	88	0
Indeno[1,2,3-cd]pyrene	1.063	1.226	.05	-15.3	20	90	0
Dibenzo[a,h]anthracene	1.054	1.153	.05	-9.4	20	87	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV125
Lab File ID : CCV0922
Sample No : WG2117833-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/22/25 07:08
Init. Calib. Date(s) : 09/08/25 09/08/25
Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.096	1.214	.05	-10.8	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV120
 Lab File ID : CCV0923
 Sample No : WG2118575-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/23/25 14:26
 Init. Calib. Date(s) : 09/17/25 09/17/25
 Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	113	0
N-Nitrosodimethylamine	0.589	0.709	.05	-20.4*	20	129	0
2-Fluorophenol	0.916	1.201	.05	-31.1*	20	135	0
Phenol-d6	1.181	1.523	.05	-29*	20	136	0
Bis(2-chloroethyl)ether	1000	1089.614	.05	-9	20	126	0
n-nitrosodi-n-propylamine	0.784	0.885	.05	-12.9	20	123	0
Hexachloroethane	0.503	0.537	.05	-6.8	20	123	0
Nitrobenzene-d5	1000	1077.008	.05	-7.7	20	127	0
Naphthalene-d8	1	1	.05	0	20	113	0
Naphthalene	0.97	0.987	.05	-1.8	20	119	0
Hexachlorobutadiene	0.18	0.192	.05	-6.7	20	121	0
2-Methylnaphthalene	0.565	0.637	.05	-12.7	20	124	0
1-Methylnaphthalene	0.616	0.67	.05	-8.8	20	123	0
2-Fluorobiphenyl	0.768	0.846	.05	-10.2	20	122	0
2-Chloronaphthalene	0.635	0.699	.05	-10.1	20	120	0
2,6-Dinitrotoluene	1000	952.44	.05	4.8	20	119	0
Acenaphthylene	1.114	1.195	.05	-7.3	20	119	0
Acenaphthene-d10	1	1	.05	0	20	104	0
Acenaphthene	1.204	1.338	.05	-11.1	20	117	0
2,4-Dinitrotoluene	1000	986.291	.05	1.4	20	113	0
Fluorene	1.327	1.535	.05	-15.7	20	115	0
2,4,6-Tribromophenol	0.138	0.184	.05	-33.3*	20	127	0
Phenanthrene-d10	1	1	.05	0	20	105	0
4,6-Dinitro-o-cresol	1000	993.48	.05	0.7	20	110	0
Hexachlorobenzene	0.224	0.234	.05	-4.5	20	116	0
Pentachlorophenol	1000	1129.254	.05	-12.9	20	118	0
Phenanthrene	1.017	1.081	.05	-6.3	20	113	0
Anthracene	1.015	1.122	.05	-10.5	20	116	0
Fluoranthene	1.134	1.255	.05	-10.7	20	117	0
Pyrene	1.177	1.297	.05	-10.2	20	114	0
Benzidine	1	0	.05	47*	20	-3.72	
4-Terphenyl-d14	0.791	0.879	.05	-11.1	20	117	0
Chrysene-d12	1	1	.05	0	20	102	0
Benzo[a]anthracene	1000	1086.622	.05	-8.7	20	114	0
3,3'-Dichlorobenzidine	1000	1083.631	.05	-8.4	20	121	0
Chrysene	1.216	1.321	.05	-8.6	20	114	0
Bis(2-ethylhexyl)phthalate	0.634	0.796	.05	-25.6*	20	128	0
Perylene-d12	1	1	.05	0	20	104	0
Benzo[b]fluoranthene	1.041	1.214	.05	-16.6	20	114	0
Benzo[k]fluoranthene	1.157	1.342	.05	-16	20	117	0
Benzo[a]pyrene	0.981	1.177	.05	-20	20	119	0
Indeno[1,2,3-cd]pyrene	0.815	1.033	.05	-26.7*	20	124	0
Dibenzo[a,h]anthracene	0.793	1.061	.05	-33.8*	20	121	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV120
Lab File ID : CCV0923
Sample No : WG2118575-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/23/25 14:26
Init. Calib. Date(s) : 09/17/25 09/17/25
Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	0.929	1.099	.05	-18.3	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : SV120
 Lab File ID : CCV0924AA
 Sample No : WG2119028-3
 Channel :

Lab Number : L2557076
 Project Number : BSD1504
 Calibration Date : 09/24/25 10:01
 Init. Calib. Date(s) : 09/17/25 09/17/25
 Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	84	-.01
N-Nitrosodimethylamine	0.589	0.932	.05	-58.2*	20	126	0
2-Fluorophenol	0.916	1.547	.05	-68.9*	20	129	-.01
Phenol-d6	1.181	1.475	.05	-24.9*	20	98	-.01
Bis(2-chloroethyl)ether	1000	1053.451	.05	-5.3	20	90	-.01
n-nitrosodi-n-propylamine	0.784	0.86	.05	-9.7	20	89	-.01
Hexachloroethane	0.503	0.533	.05	-6	20	91	-.01
Nitrobenzene-d5	1000	1051.666	.05	-5.2	20	92	-.01
Naphthalene-d8	1	1	.05	0	20	82	0
Naphthalene	0.97	0.994	.05	-2.5	20	87	0
Hexachlorobutadiene	0.18	0.204	.05	-13.3	20	94	0
2-Methylnaphthalene	0.565	0.637	.05	-12.7	20	90	0
1-Methylnaphthalene	0.616	0.673	.05	-9.3	20	90	0
2-Fluorobiphenyl	0.768	0.857	.05	-11.6	20	89	0
2-Chloronaphthalene	0.635	0.701	.05	-10.4	20	87	0
2,6-Dinitrotoluene	1000	902.215	.05	9.8	20	82	0
Acenaphthylene	1.114	1.185	.05	-6.4	20	86	0
Acenaphthene-d10	1	1	.05	0	20	76	0
Acenaphthene	1.204	1.329	.05	-10.4	20	85	0
2,4-Dinitrotoluene	1000	946.174	.05	5.4	20	80	0
Fluorene	1.327	1.512	.05	-13.9	20	83	0
2,4,6-Tribromophenol	0.138	0.18	.05	-30.4*	20	91	0
Phenanthrene-d10	1	1	.05	0	20	75	0
4,6-Dinitro-o-cresol	1000	933.869	.05	6.6	20	73	0
Hexachlorobenzene	0.224	0.247	.05	-10.3	20	87	0
Pentachlorophenol	1000	1269.598	.05	-27*	20	99	0
Phenanthrene	1.017	1.108	.05	-8.9	20	82	0
Anthracene	1.015	1.139	.05	-12.2	20	83	0
Fluoranthene	1.134	1.284	.05	-13.2	20	84	0
Pyrene	1.177	1.347	.05	-14.4	20	84	0
Benzidine	1	0	.05	31*	20	-3.71	
4-Terphenyl-d14	0.791	0.923	.05	-16.7	20	87	.01
Chrysene-d12	1	1	.05	0	20	78	.03
Benzo[a]anthracene	1000	1088.357	.05	-8.8	20	87	.02
3,3'-Dichlorobenzidine	1000	1070.758	.05	-7.1	20	91	.02
Chrysene	1.216	1.3	.05	-6.9	20	85	.03
Bis(2-ethylhexyl)phthalate	0.634	0.777	.05	-22.6*	20	95	.03
Perylene-d12	1	1	.05	0	20	81	.02
Benzo[b]fluoranthene	1.041	1.222	.05	-17.4	20	90	.03
Benzo[k]fluoranthene	1.157	1.317	.05	-13.8	20	90	.02
Benzo[a]pyrene	0.981	1.176	.05	-19.9	20	93	.02
Indeno[1,2,3-cd]pyrene	0.815	1.224	.05	-50.2*	20	115	0
Dibenzo[a,h]anthracene	0.793	1.307	.05	-64.8*	20	117	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : SV120
Lab File ID : CCV0924AA
Sample No : WG2119028-3
Channel :

Lab Number : L2557076
Project Number : BSD1504
Calibration Date : 09/24/25 10:01
Init. Calib. Date(s) : 09/17/25 09/17/25
Init. Calib. Times : 09:39 12:10

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	0.929	1.335	.05	-43.7*	20	111	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\250924aRVT\
 Data File : ccv0924aa.D
 Acq On : 24 Sep 2025 10:01 am
 Operator : SV120:slr
 Sample : WG2119028-3,32,,ICV 11696 (0920)
 Misc : WG2119028,,ical22659
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 24 10:15:26 2025
 Quant Method : I:\8270SIM\sv120\250924aRVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 24 10:16:02 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	-0.01
2 T	N-Nitrosodimethylamine	0.589	0.932	-58.2#	126	0.00
3 s	2-Fluorophenol	0.916	1.547	-68.9#	129	-0.01
4 s	Phenol-d6	1.181	1.475	-24.9#	98	-0.01
5 T	Bis(2-chloroethyl)ether	*1000.000	1053.451	-5.3	90	-0.01
6 T	n-nitrosodi-n-propylamine	0.784	0.860	-9.7	89	-0.01
7 t	Hexachloroethane	0.503	0.533	-6.0	91	-0.01
8 s	Nitrobenzene-d5	*1000.000	1051.666	-5.2	92	-0.01
9 i	Naphthalene-d8	1.000	1.000	0.0	82	0.00
10 t	Naphthalene	0.970	0.994	-2.5	87	0.00
11 t	Hexachlorobutadiene	0.180	0.204	-13.3	94	0.00
12 t	2-Methylnaphthalene	0.565	0.637	-12.7	90	0.00
13 t	1-Methylnaphthalene	0.616	0.673	-9.3	90	0.00
14 s	2-Fluorobiphenyl	0.768	0.857	-11.6	89	0.00
15 t	2-Chloronaphthalene	0.635	0.701	-10.4	87	0.00
16 t	2,6-Dinitrotoluene	*1000.000	902.215	9.8	82	0.00
17 t	Acenaphthylene	1.114	1.185	-6.4	86	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	76	0.00
19 t	Acenaphthene	1.204	1.329	-10.4	85	0.00
20 t	2,4-Dinitrotoluene	*1000.000	946.174	5.4	80	0.00
21 t	Fluorene	1.327	1.512	-13.9	83	0.00
22 s	2,4,6-Tribromophenol	0.138	0.180	-30.4#	91	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	75	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	933.869	6.6	73	0.00
25 t	Hexachlorobenzene	0.224	0.247	-10.3	87	0.00
26 t	Pentachlorophenol	*1000.000	1269.598	-27.0#	99	0.00
27 t	Phenanthrene	1.017	1.108	-8.9	82	0.00
28 t	Anthracene	1.015	1.139	-12.2	83	0.00
29 t	Fluoranthene	1.134	1.284	-13.2	84	0.00
30 t	Pyrene	1.177	1.347	-14.4	84	0.00
31 t	Benzidine	N/A	1.00	0.0	31#	-3.71#
32 s	4-Terphenyl-d14	0.791	0.923	-16.7	87	0.01
33 i	Chrysene-d12	1.000	1.000	0.0	78	0.03
34 t	Benzo[a]anthracene	*1000.000	1088.357	-8.8	87	0.02
35 t	3,3'-Dichlorobenzidine	*1000.000	1070.758	-7.1	91	0.02

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\250924aRVT\
 Data File : ccv0924aa.D
 Acq On : 24 Sep 2025 10:01 am
 Operator : SV120:slr
 Sample : WG2119028-3,32,,ICV 11696 (0920)
 Misc : WG2119028,,ical22659
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 24 10:15:26 2025
 Quant Method : I:\8270SIM\sv120\250924aRVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 24 10:16:02 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Chrysene	1.216	1.300	-6.9	85	0.03
37 T	Bis(2-ethylhexyl)phthalate	0.634	0.777	-22.6#	95	0.03
38 i	Perylene-d12	1.000	1.000	0.0	81	0.02
39 t	Benzo[b]fluoranthene	1.041	1.222	-17.4	90	0.03
40 t	Benzo[k]fluoranthene	1.157	1.317	-13.8	90	0.02
41 t	Benzo[a]pyrene	0.981	1.176	-19.9	93	0.02
42 t	Indeno[1,2,3-cd]pyrene	0.815	1.224	-50.2#	115	0.00
43 t	Dibenzo[a,h]anthracene	0.793	1.307	-64.8#	117	0.00
44 t	Benzo[g,h,i]perylene	0.929	1.335	-43.7#	111	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250924aRVT\
 Data File : ccv0924aa.D
 Acq On : 24 Sep 2025 10:01 am
 Operator : SV120:slr
 Sample : WG2119028-3,32,,ICV 11696 (0920)
 Misc : WG2119028,,ical22659
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 24 10:15:26 2025
 Quant Method : I:\8270SIM\sv120\250924aRVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 24 10:16:02 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.506	152	199797	4000.000	ng/ml	0.00
9) Naphthalene-d8	3.185	136	768525	4000.000	ng/ml	0.00
18) Acenaphthene-d10	4.174	164	430975	4000.000	ng/ml	0.00
23) Phenanthrene-d10	5.020	188	877651	4000.000	ng/ml	0.00
33) Chrysene-d12	6.648	240	811841	4000.000	ng/ml	0.00
38) Perylene-d12	7.904	264	799271	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.890	112	77281	1689.727	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	84.49%		
4) Phenol-d6	2.314	99	73698	1249.601	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	62.48%		
8) Nitrobenzene-d5	2.795	82	57004	1051.666	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	105.17%		
14) 2-Fluorobiphenyl	3.792	172	164597	1115.360	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	111.54%		
22) 2,4,6-Tribromophenol	4.623	330	19378	1300.301	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	65.02%		
32) 4-Terphenyl-d14	5.973	244	202529	1166.607	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	116.66%		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.362	74	46564	1581.739	ng/mL#	1
5) Bis(2-chloroethyl)ether	2.369	93	55554	1053.451	ng/ml	100
6) n-nitrosodi-n-propylamine	2.714	70	42941	1096.112	ng/ml	99
7) Hexachloroethane	2.774	117	26635	1059.190	ng/ml	97
10) Naphthalene	3.196	128	191059	1025.137	ng/ml	100
11) Hexachlorobutadiene	3.270	225	39267	1133.083	ng/ml	100
12) 2-Methylnaphthalene	3.581	142	122292	1125.591	ng/ml	100
13) 1-Methylnaphthalene	3.638	142	129306	1092.218	ng/ml	98
15) 2-Chloronaphthalene	3.858	162	134638	1102.774	ng/ml	98
16) 2,6-Dinitrotoluene	4.050	165	24244	902.215	ng/ml	97
17) Acenaphthylene	4.091	152	227701	1063.583	ng/ml	99
19) Acenaphthene	4.191	153	143165	1103.267	ng/ml	99
20) 2,4-Dinitrotoluene	4.281	165	31988	946.174	ng/mL#	82
21) Fluorene	4.486	166	162899	1138.922	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.513	198	12822	933.869	ng/ml	97
25) Hexachlorobenzene	4.808	284	54200	1103.161	ng/ml	98
26) Pentachlorophenol	4.916	266	19844	1269.598	ng/ml	100
27) Phenanthrene	5.035	178	243158	1087.152	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250924aRVT\
 Data File : ccv0924aa.D
 Acq On : 24 Sep 2025 10:01 am
 Operator : SV120:slr
 Sample : WG2119028-3,32,,ICV 11696 (0920)
 Misc : WG2119028,,ical22659
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 24 10:15:26 2025
 Quant Method : I:\8270SIM\sv120\250924aRVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 24 10:16:02 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28)	Anthracene	5.065	178	249872	1122.201	ng/ml	100
29)	Fluoranthene	5.738	202	281697	1132.077	ng/ml	99
30)	Pyrene	5.872	202	295543	1144.237	ng/ml	100
31)	Benzidine	5.816	184	74205	705.382	ng/mL	99
34)	Benzo[a]anthracene	6.640	228	269178	1088.357	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.624	252	104319	1070.758	ng/ml	100
36)	Chrysene	6.665	228	263897	1069.498	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.673	149	157785	1226.854	ng/ml	100
39)	Benzo[b]fluoranthene	7.520	252	244196	1173.812	ng/ml	100
40)	Benzo[k]fluoranthene	7.545	252	263159	1138.152	ng/ml	99
41)	Benzo[a]pyrene	7.841	252	234898	1198.097	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.174	276	244558	1501.459	ng/ml	99
43)	Dibenzo[a,h]anthracene	9.212	278	261122M4	1662.081	ng/ml	
44)	Benzo[g,h,i]perylene	9.527	276	266771	1437.754	ng/ml	100

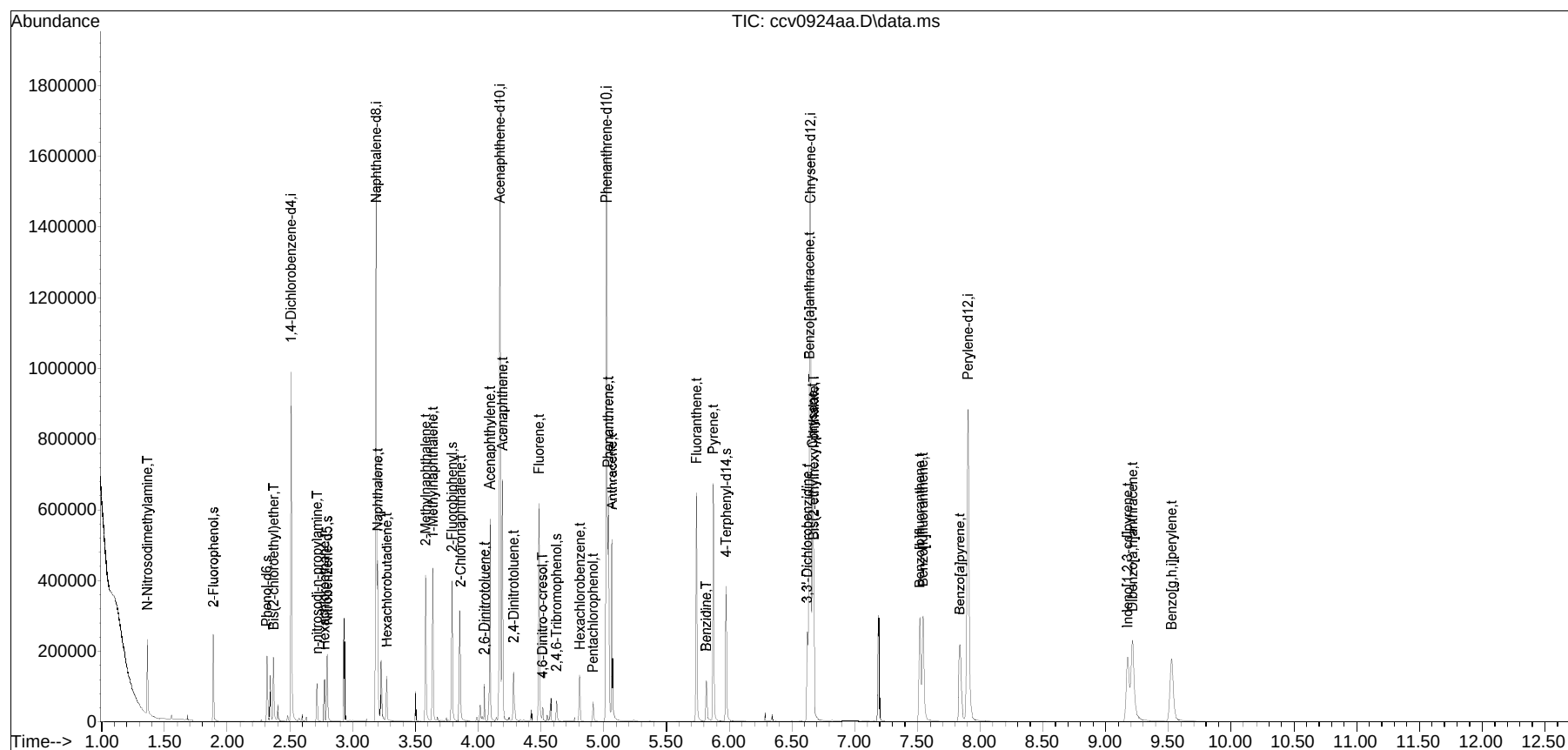
(#) = qualifier out of range (m) = manual integration (+) = signals summed

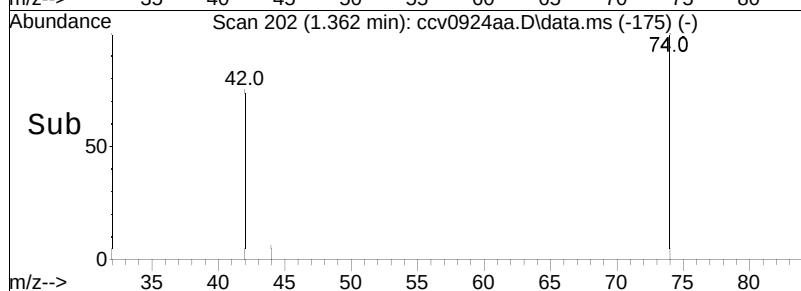
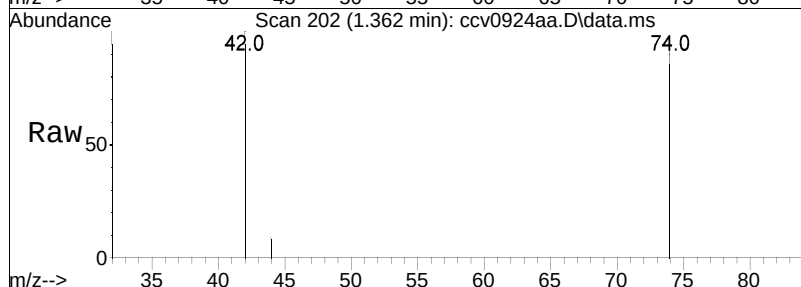
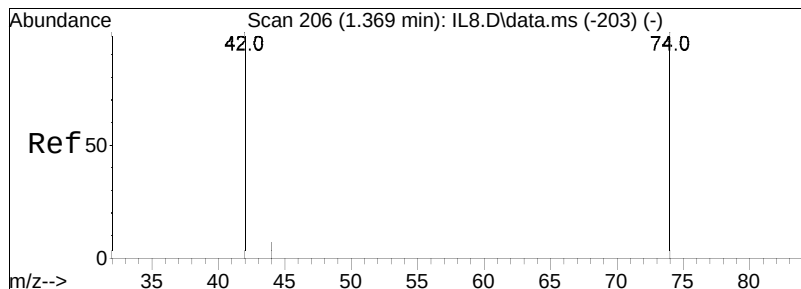
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250924aRVT\
 Data File : ccv0924aa.D
 Acq On : 24 Sep 2025 10:01 am
 Operator : SV120:slr
 Sample : WG2119028-3,32,,ICV 11696 (0920)
 Misc : WG2119028,,ical22659
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 24 10:15:26 2025
 Quant Method : I:\8270SIM\sv120\250924aRVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 24 10:16:02 2025
 Response via : Initial Calibration

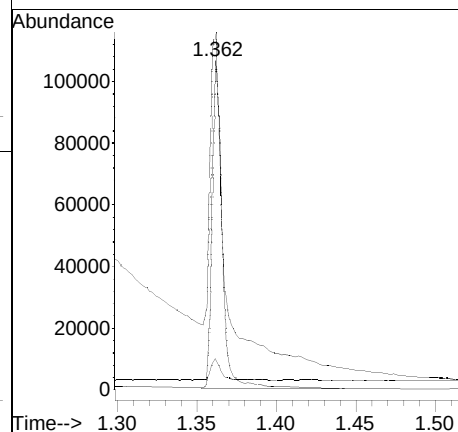
Sub List : Default - All compounds listed

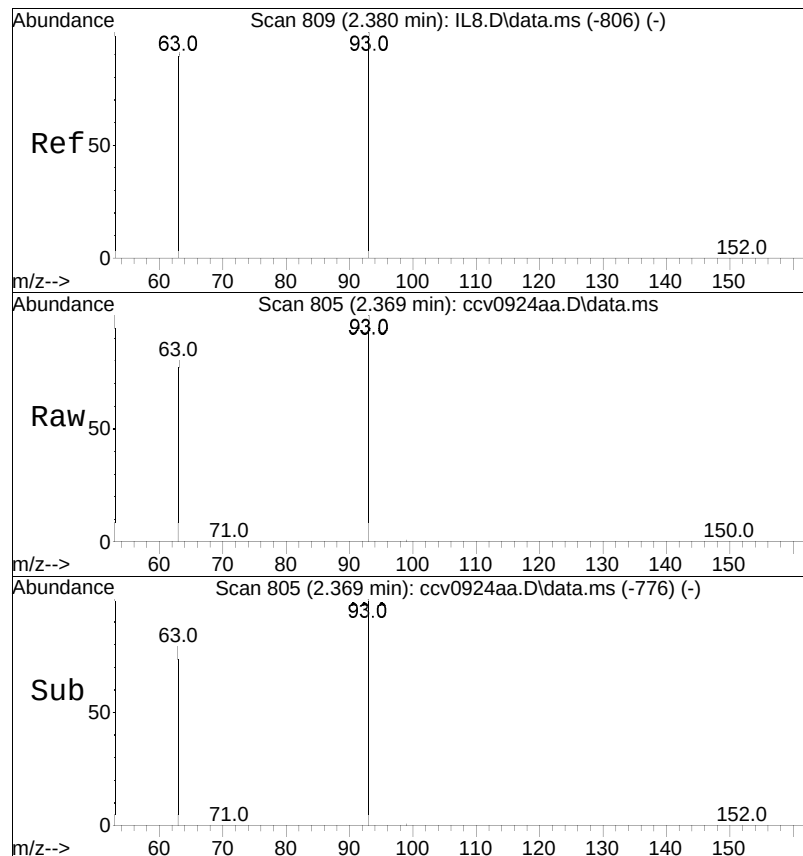




#2
 N-Nitrosodimethylamine
 Concen: 1581.74 ng/mL
 RT: 1.362 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

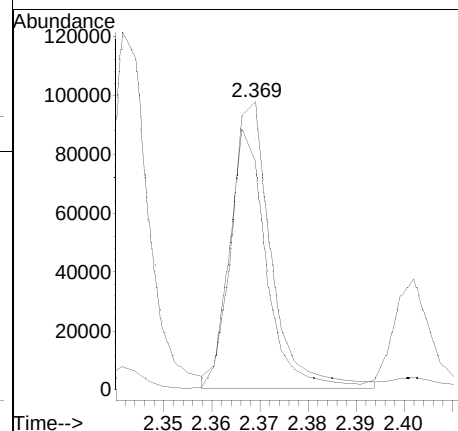
Tgt Ion: 74 Resp: 46564
 Ion Ratio Lower Upper
 74 100
 42 214.2 73.9 110.9#
 44 5.9 5.0 7.6

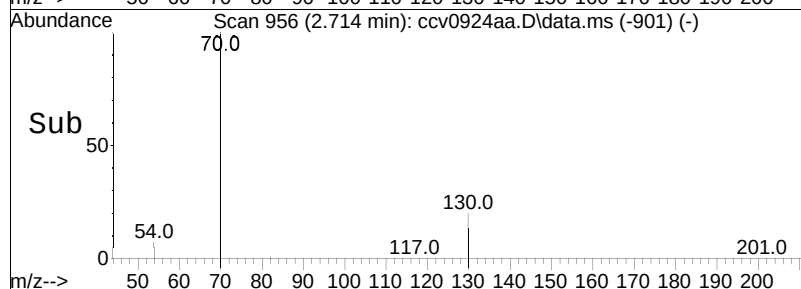
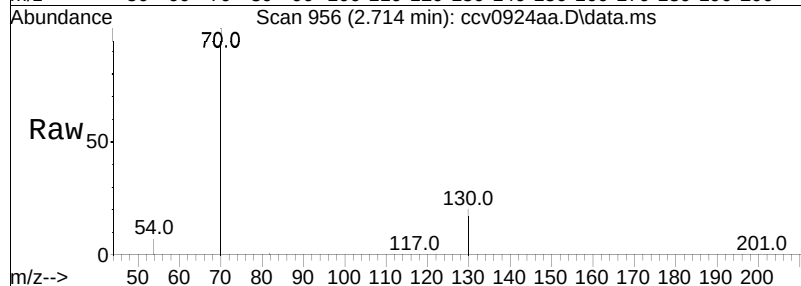
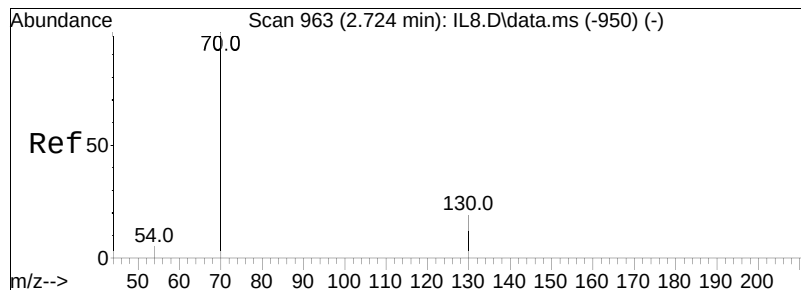




#5
 Bis(2-chloroethyl)ether
 Concen: 1053.45 ng/ml
 RT: 2.369 min Scan# 805
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

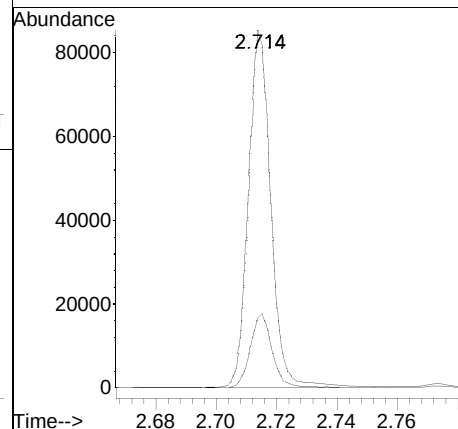
Tgt Ion	Ratio	Lower	Upper
93	100		
63	84.3	67.4	101.0

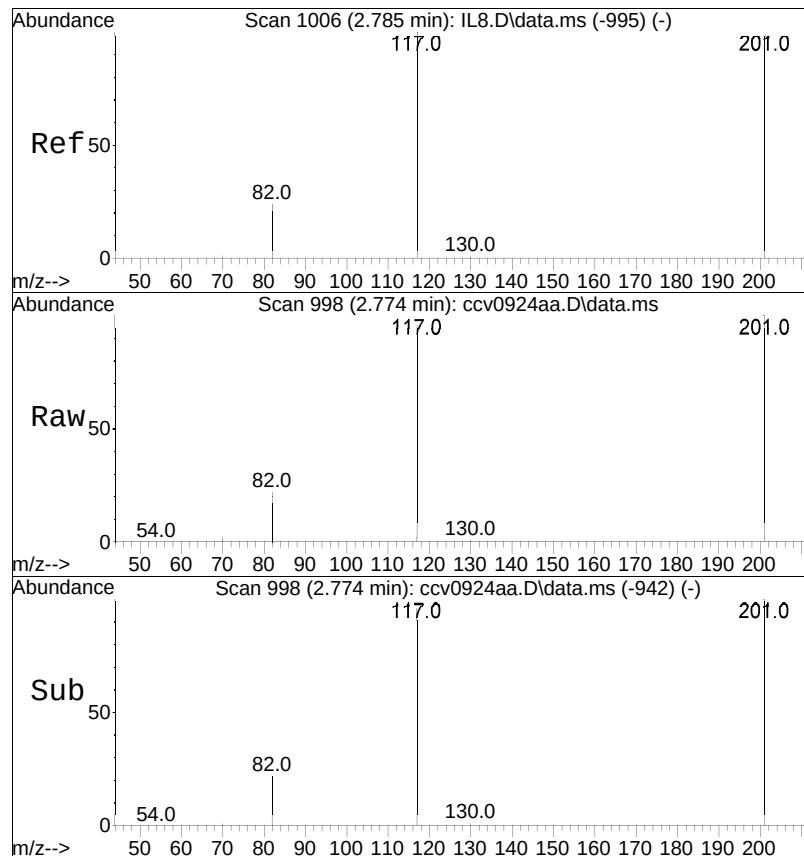




#6
 n-nitrosodi-n-propylamine
 Concen: 1096.11 ng/ml
 RT: 2.714 min Scan# 956
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

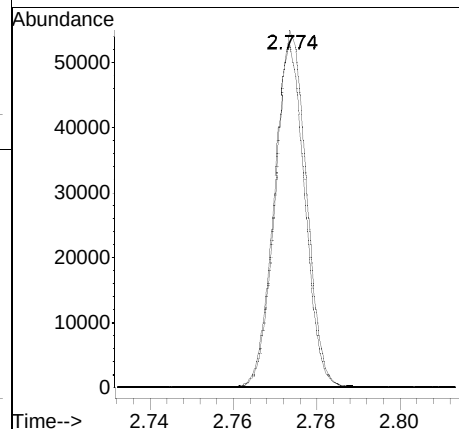
Tgt Ion	Ratio	Lower	Upper
70	100		
130	20.2	15.7	23.5

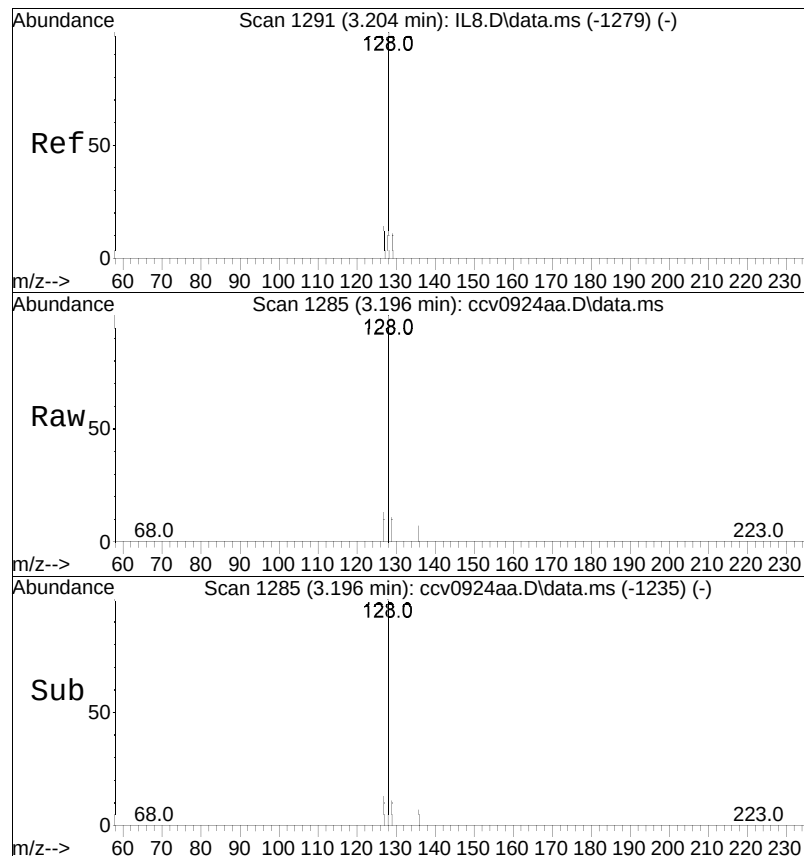




#7
 Hexachloroethane
 Concen: 1059.19 ng/ml
 RT: 2.774 min Scan# 998
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

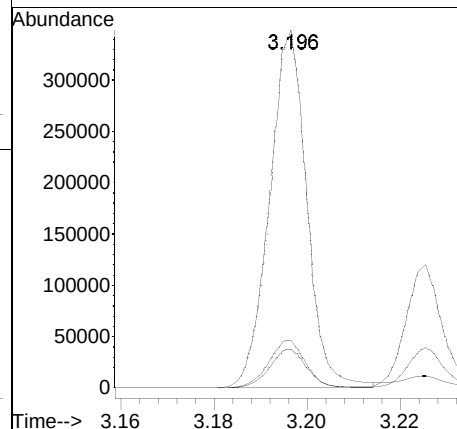
Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.8	81.7	122.5

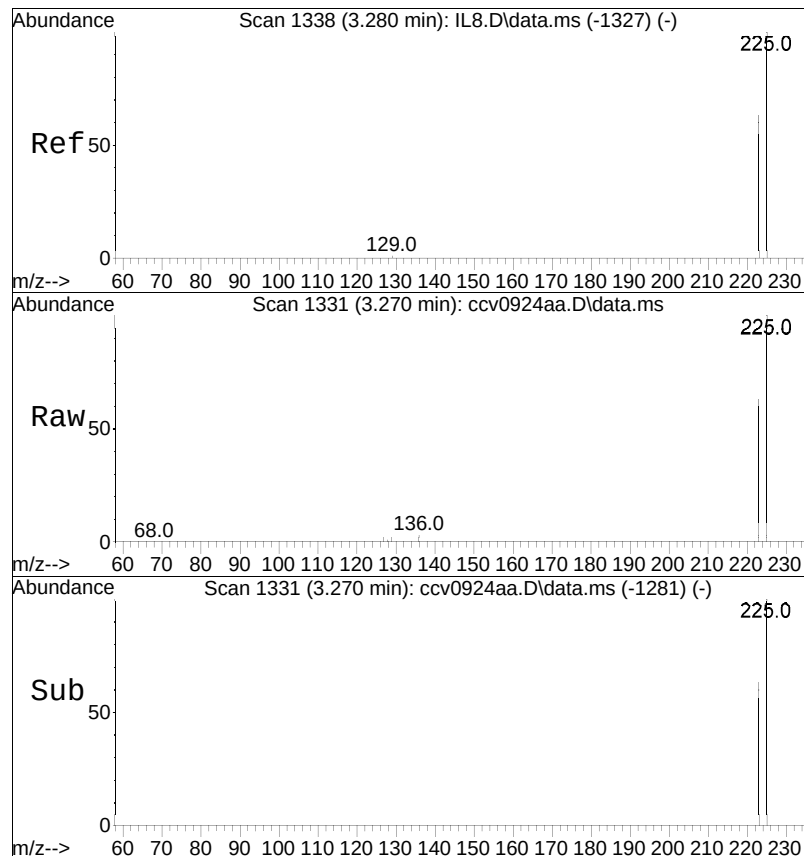




#10
 Naphthalene
 Concen: 1025.14 ng/ml
 RT: 3.196 min Scan# 1285
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

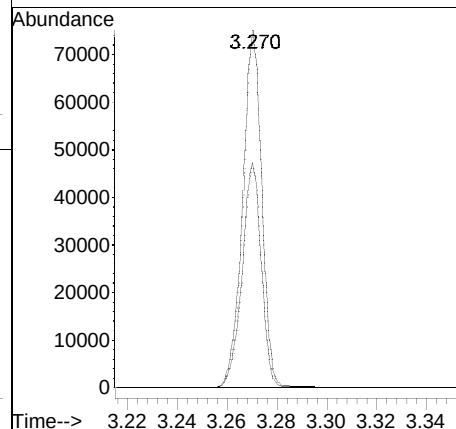
Tgt	Ion:128	Resp:	191059
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.3	10.6	16.0

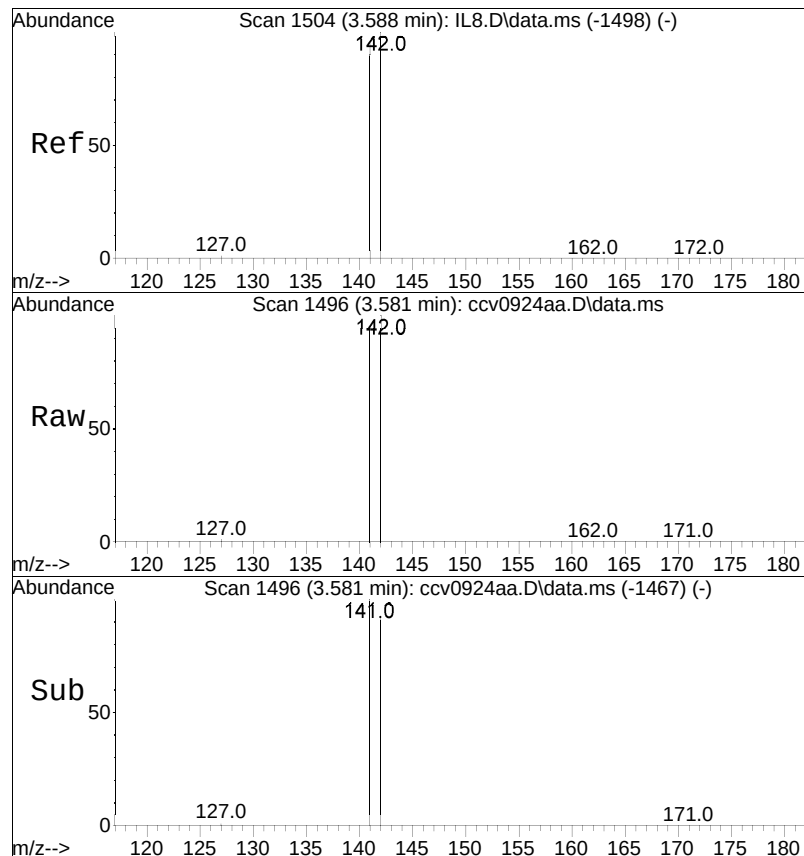




#11
 Hexachlorobutadiene
 Concen: 1133.08 ng/ml
 RT: 3.270 min Scan# 1331
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

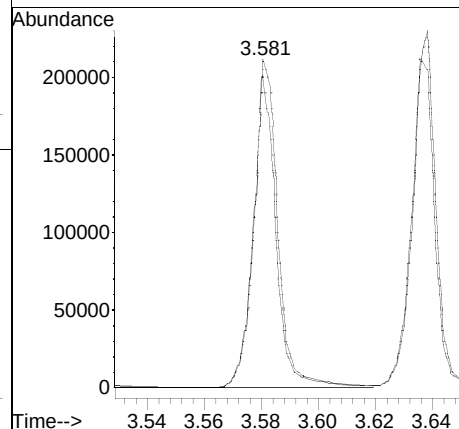
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6

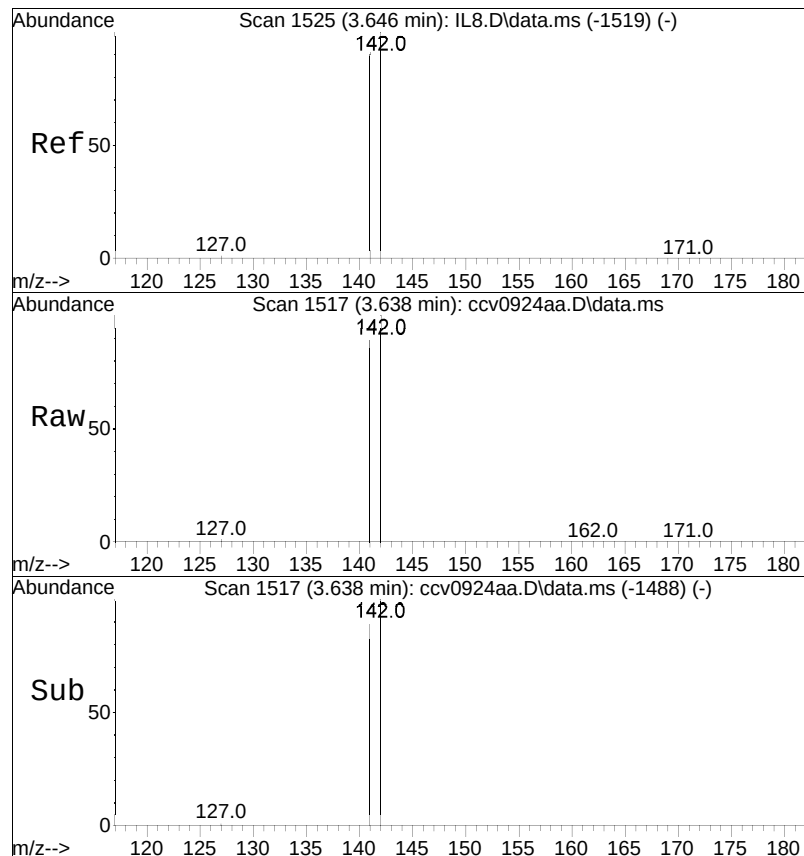




#12
 2-Methylnaphthalene
 Concen: 1125.59 ng/ml
 RT: 3.581 min Scan# 1496
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

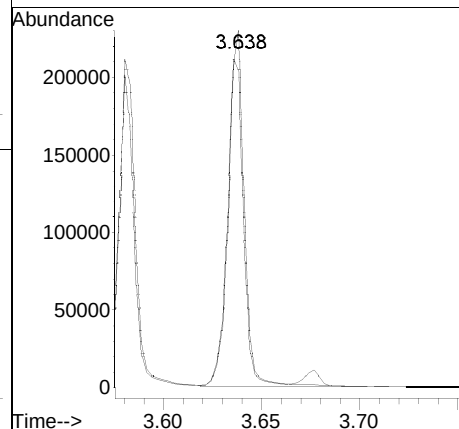
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.8	110.6

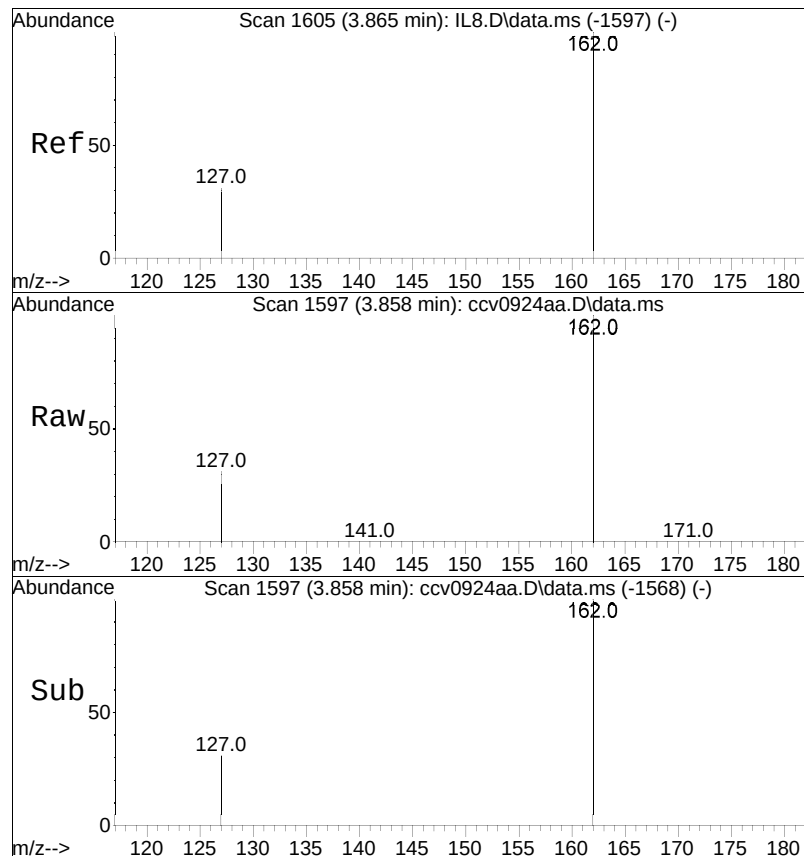




#13
 1-Methylnaphthalene
 Concen: 1092.22 ng/ml
 RT: 3.638 min Scan# 1517
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

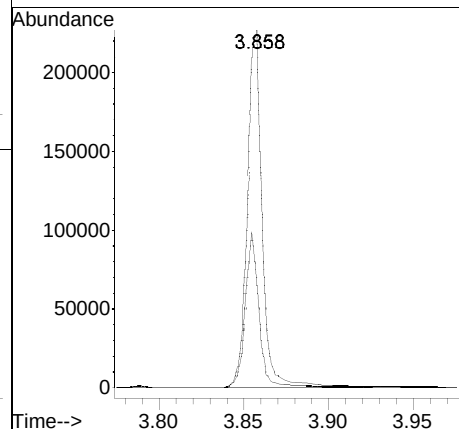
Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.0	76.9	115.3

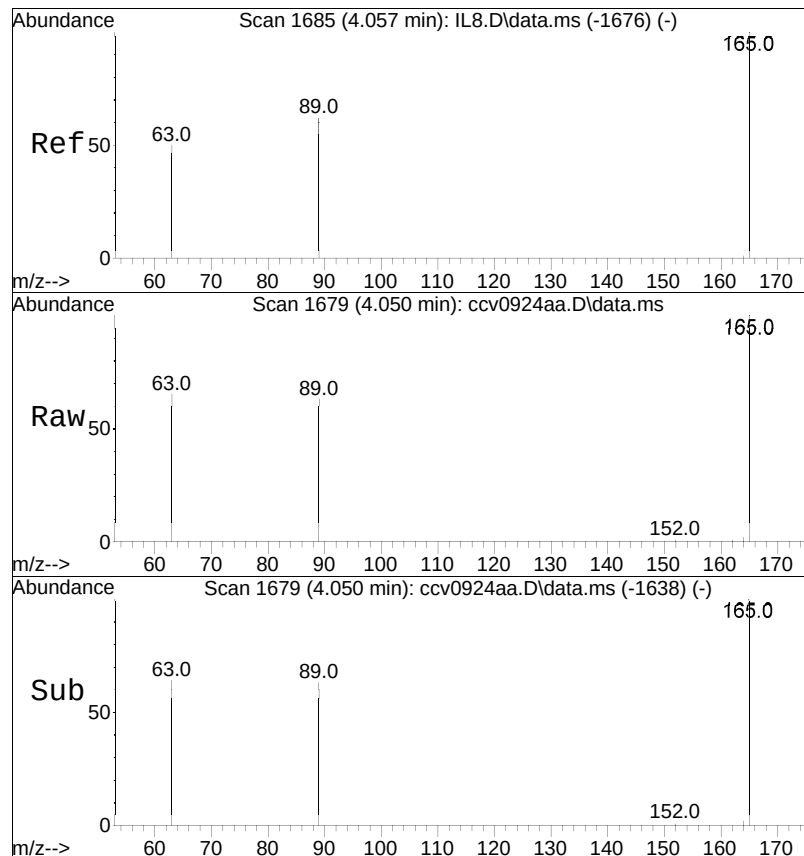




#15
 2-Chloronaphthalene
 Concen: 1102.77 ng/ml
 RT: 3.858 min Scan# 1597
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

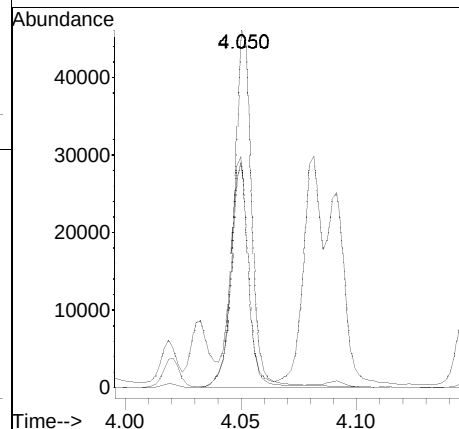
Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.5	31.6	47.4

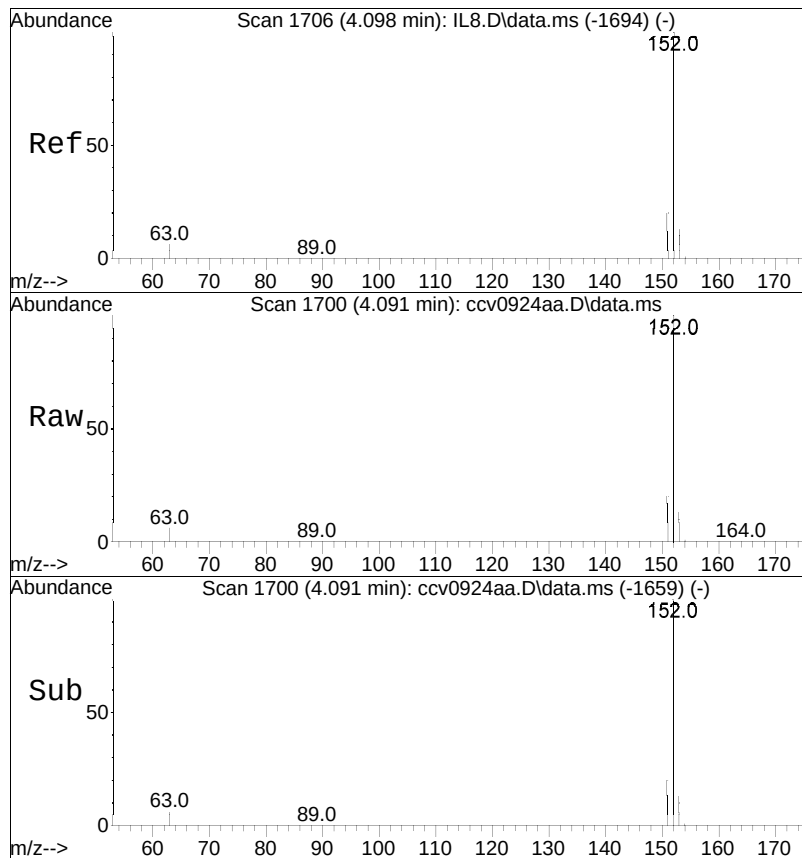




#16
 2,6-Dinitrotoluene
 Concen: 902.21 ng/ml
 RT: 4.050 min Scan# 1679
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

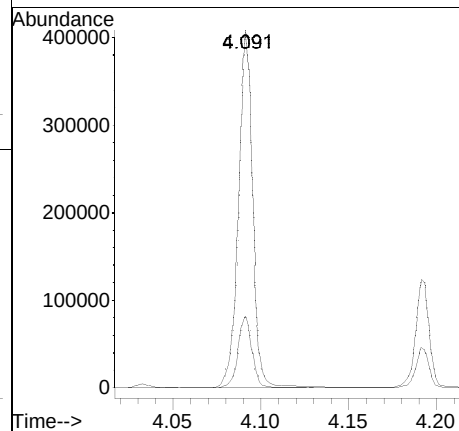
Tgt Ion:	165	Resp:	24244
Ion Ratio	Lower	Upper	
165	100		
89	61.6	48.7	73.1
63	62.0	52.3	78.5

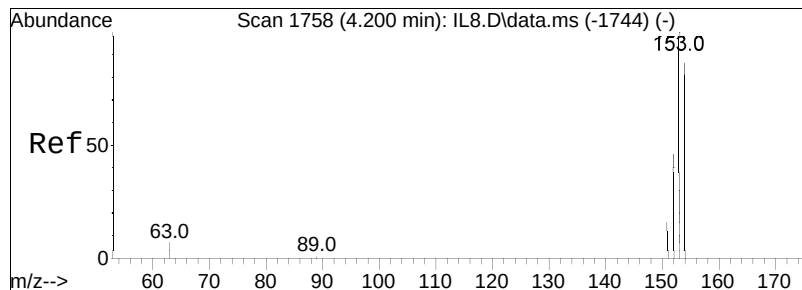




#17
 Acenaphthylene
 Concen: 1063.58 ng/ml
 RT: 4.091 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

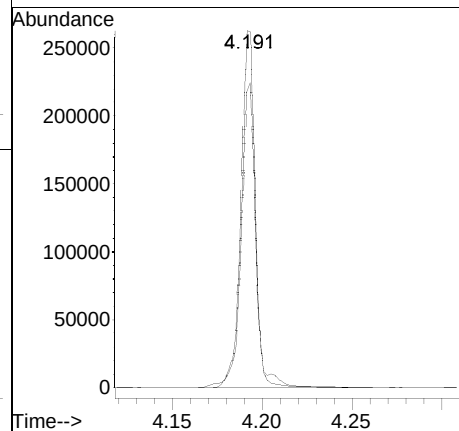
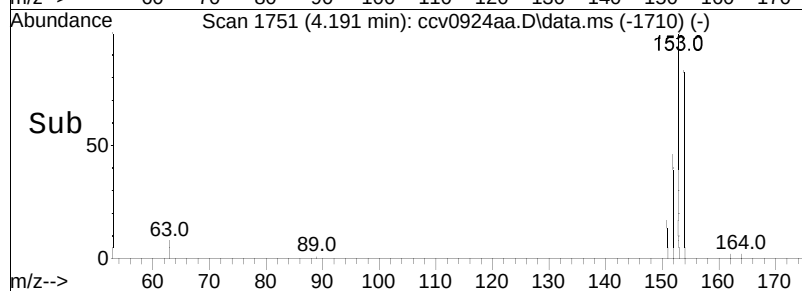
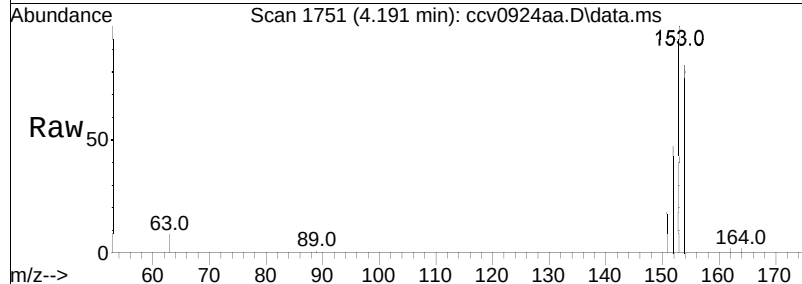
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8

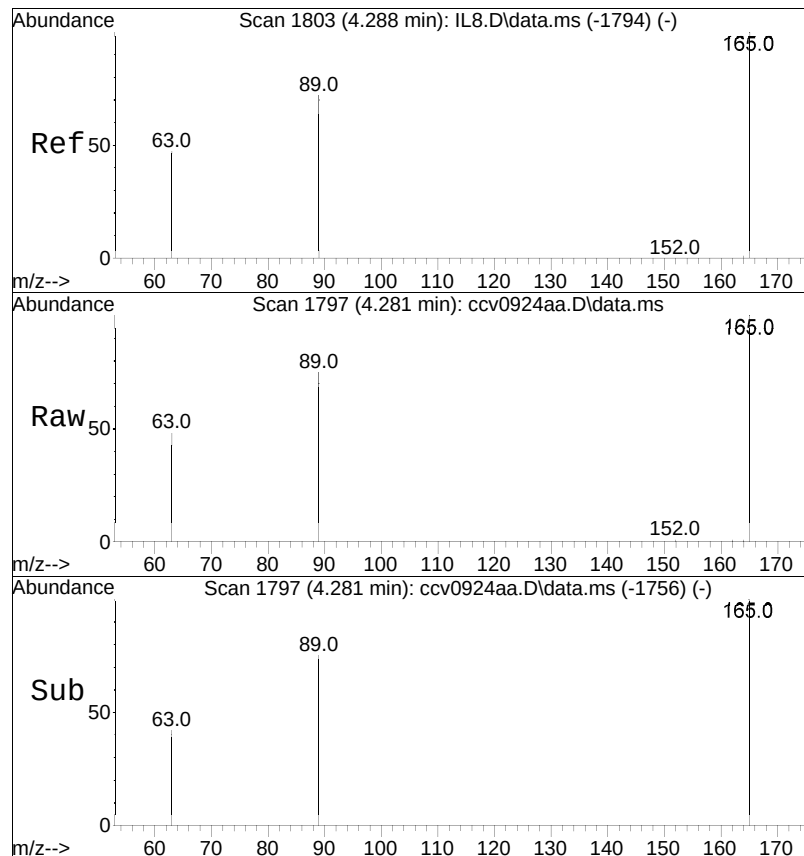




#19
 Acenaphthene
 Concen: 1103.27 ng/ml
 RT: 4.191 min Scan# 1751
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

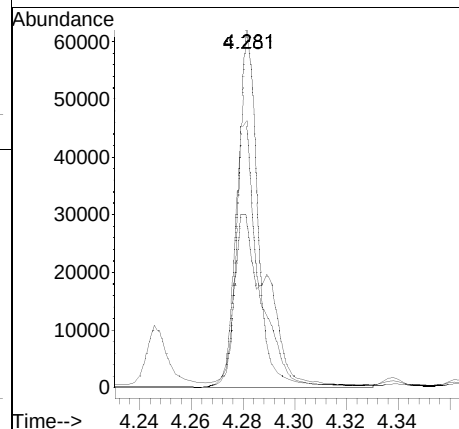
Tgt Ion	Ratio	Lower	Upper
153	100		
154	88.0	71.4	107.2

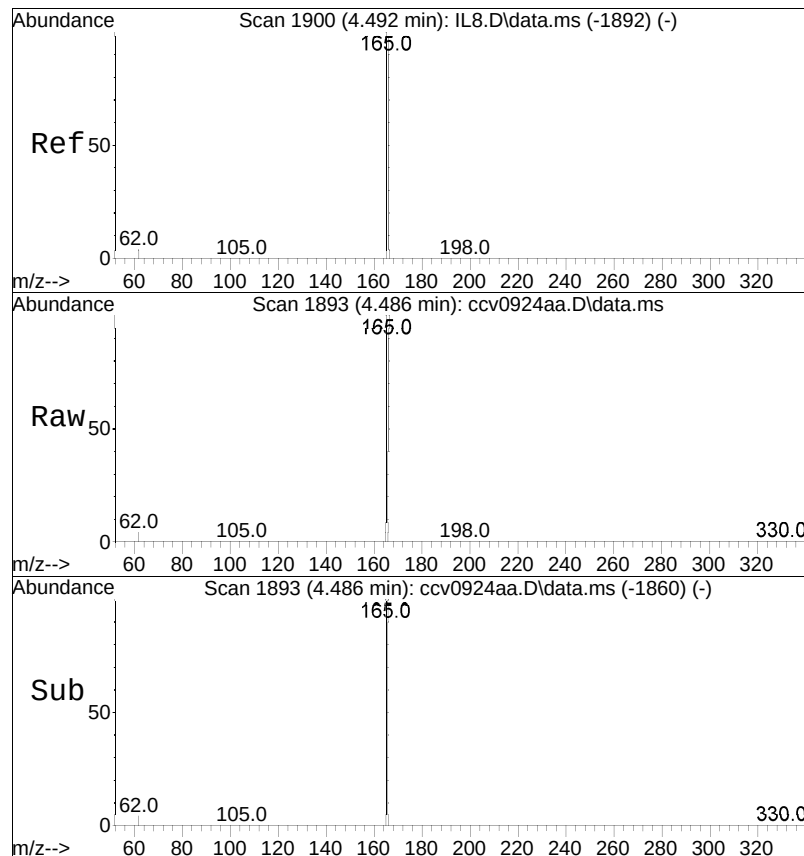




#20
 2,4-Dinitrotoluene
 Concen: 946.17 ng/ml
 RT: 4.281 min Scan# 1797
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

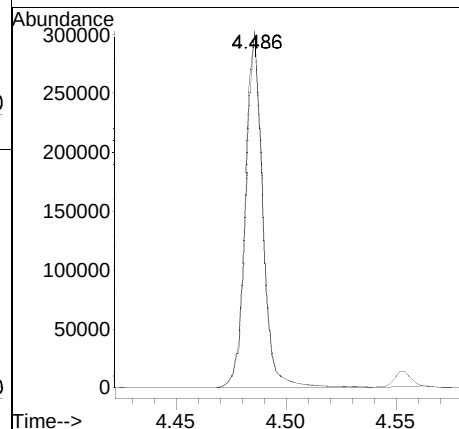
Tgt Ion	Ratio	Lower	Upper
165	100		
89	92.9	72.6	108.8
63	78.9	38.1	57.1

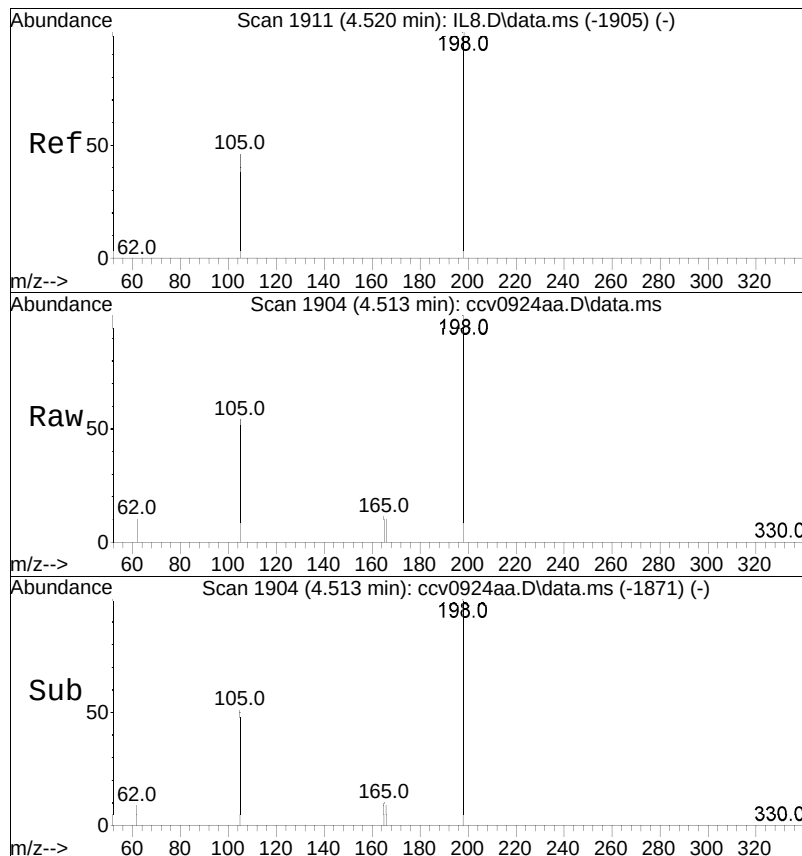




#21
 Fluorene
 Concen: 1138.92 ng/ml
 RT: 4.486 min Scan# 1893
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

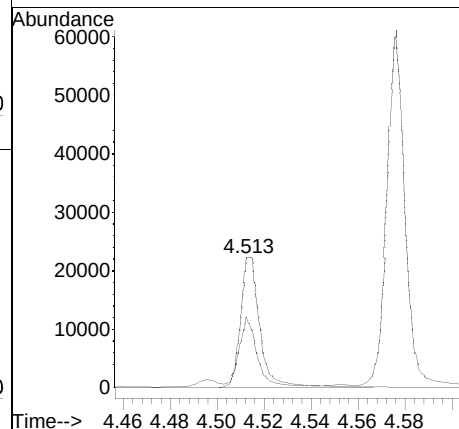
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.7	81.5	122.3

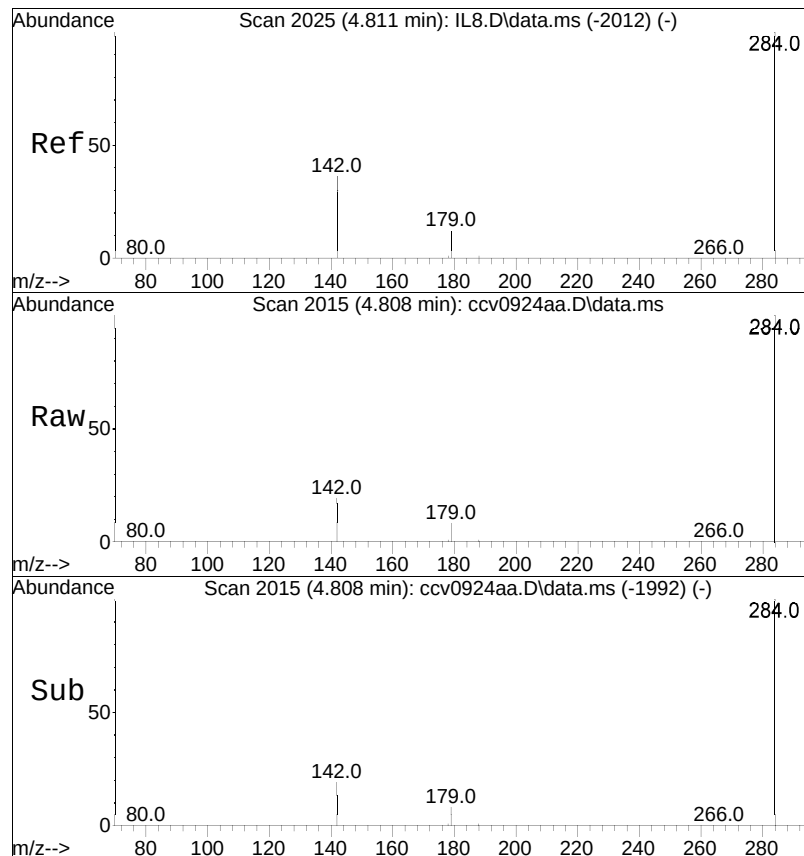




#24
 4,6-Dinitro-o-cresol
 Concen: 933.87 ng/ml
 RT: 4.513 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

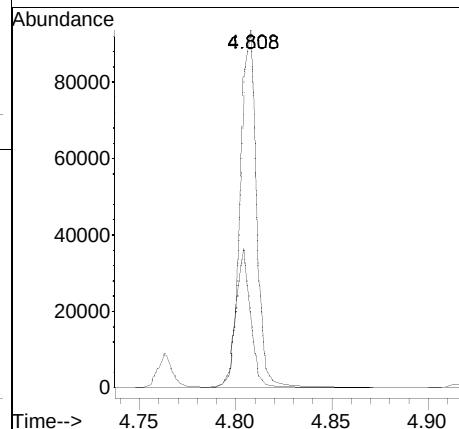
Tgt Ion	Ratio	Lower	Upper
198	100		
105	46.2	35.4	53.2

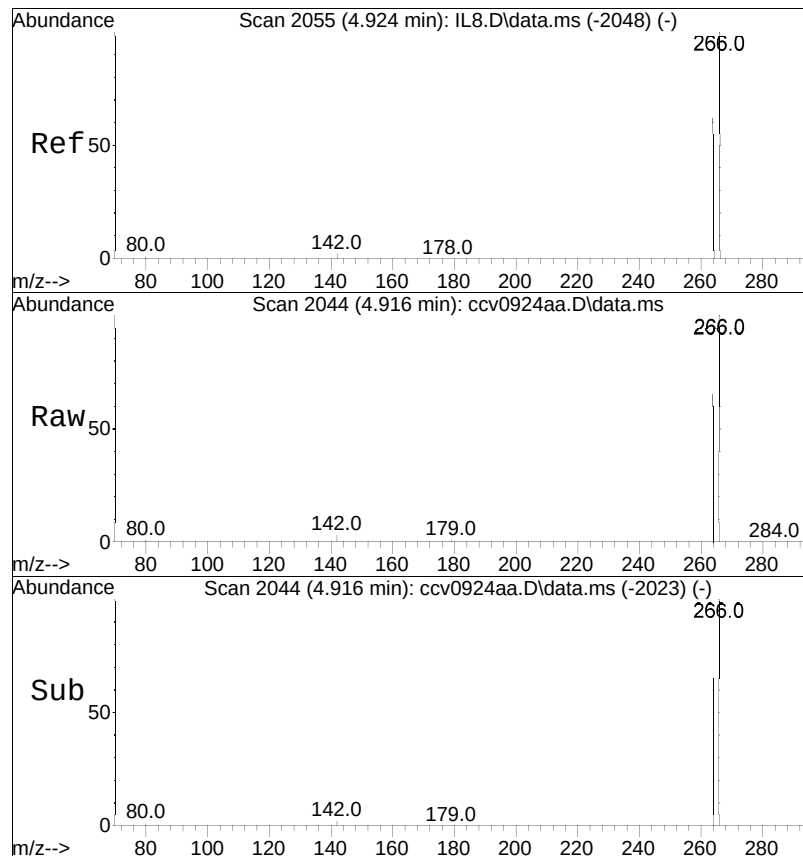




#25
 Hexachlorobenzene
 Concen: 1103.16 ng/ml
 RT: 4.808 min Scan# 2015
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

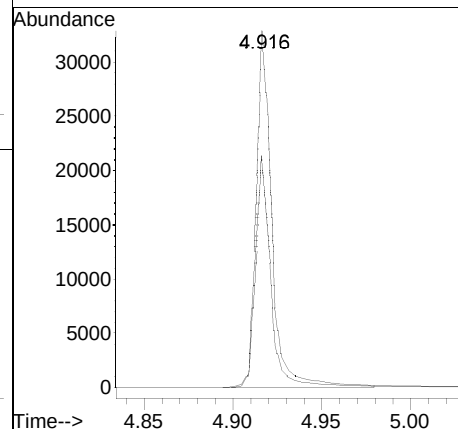
Tgt	Ion	Ratio	Lower	Upper
284	100			
142	36.1	29.6	44.4	

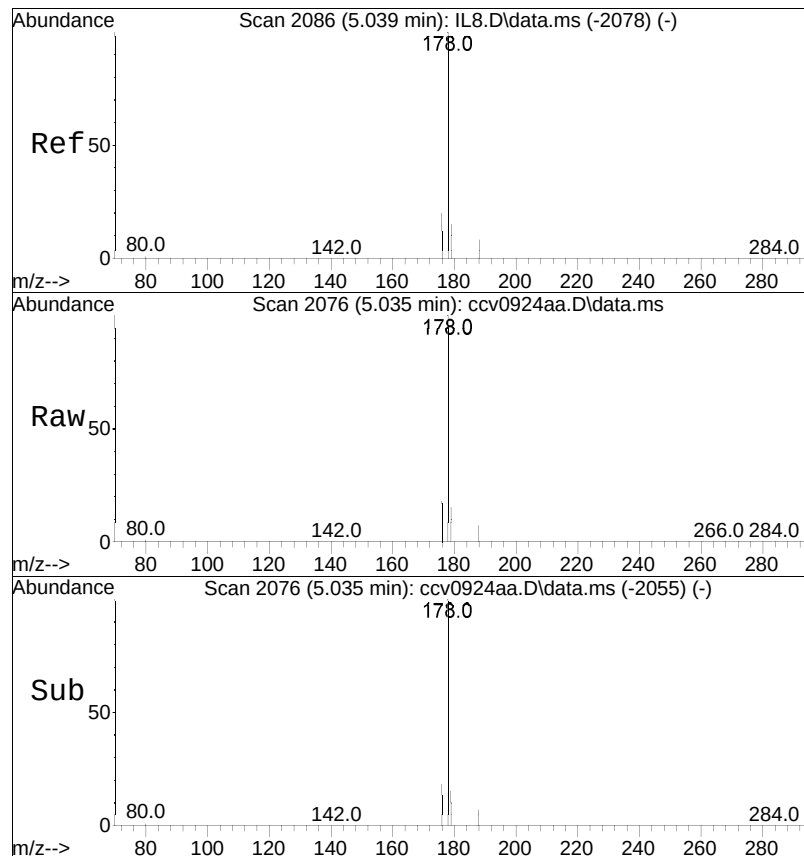




#26
 Pentachlorophenol
 Concen: 1269.60 ng/ml
 RT: 4.916 min Scan# 2044
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

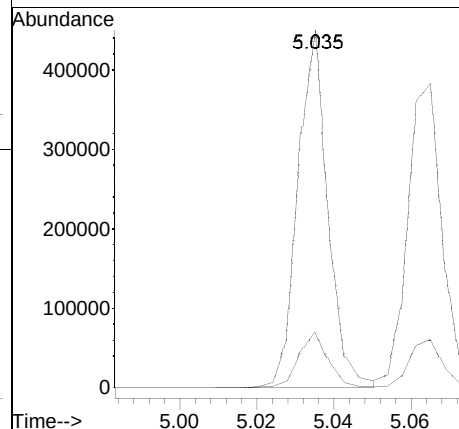
Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.5	75.7

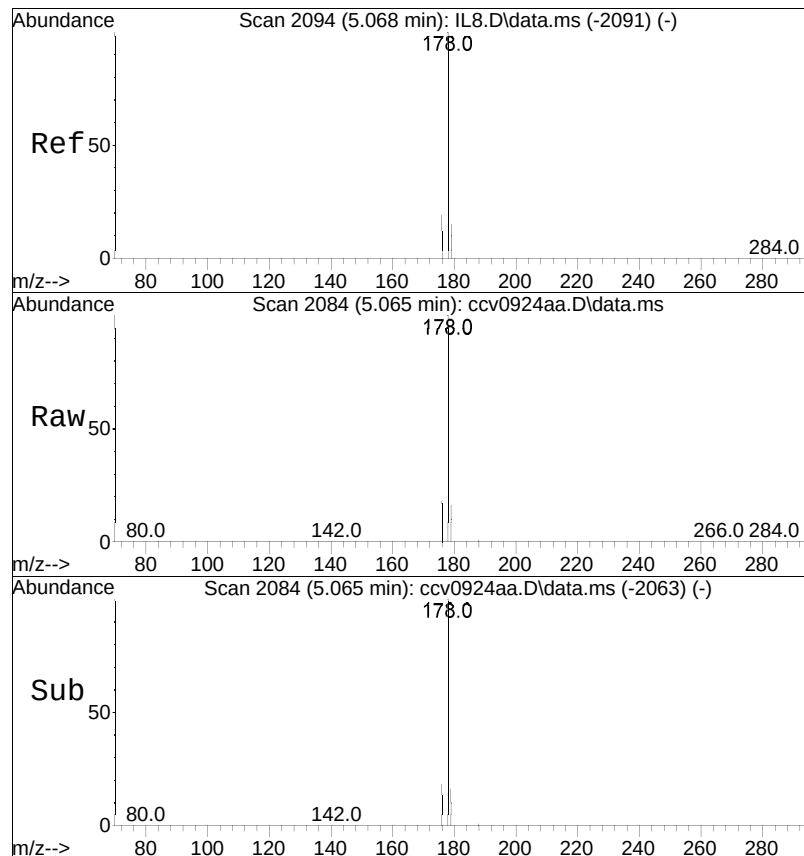




#27
 Phenanthrene
 Concen: 1087.15 ng/ml
 RT: 5.035 min Scan# 2076
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

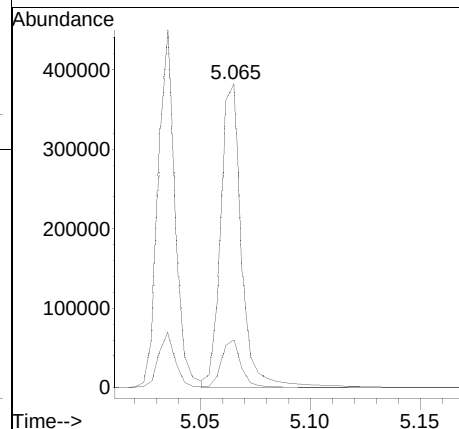
Tgt Ion	178	179	Ratio	Lower	Upper
Resp	243158				
Ion	100	15.4		12.4	18.6

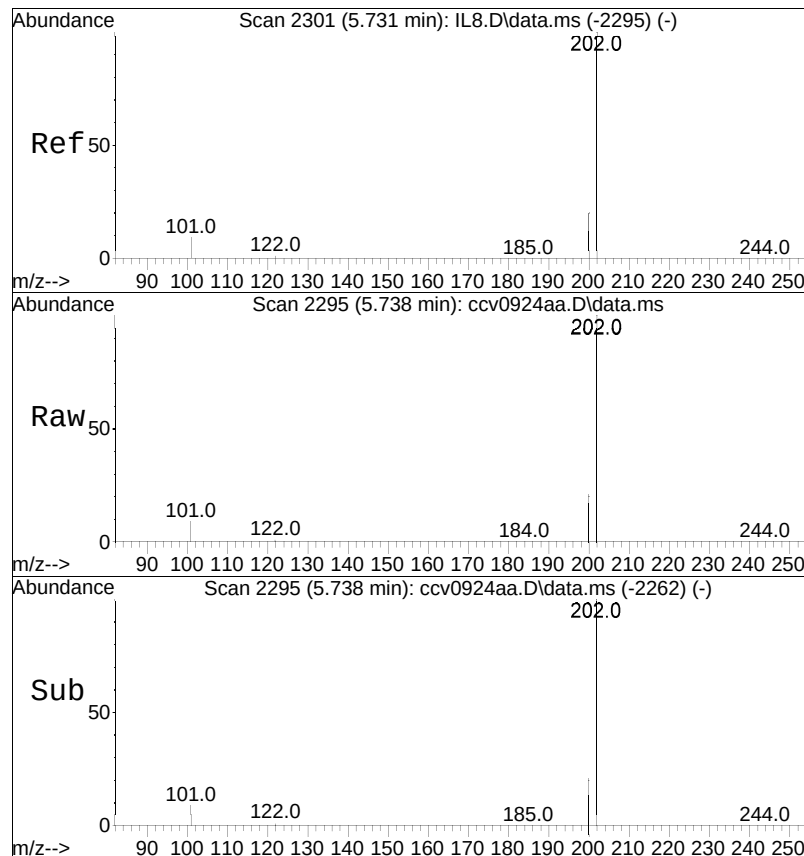




#28
 Anthracene
 Concen: 1122.20 ng/ml
 RT: 5.065 min Scan# 2084
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

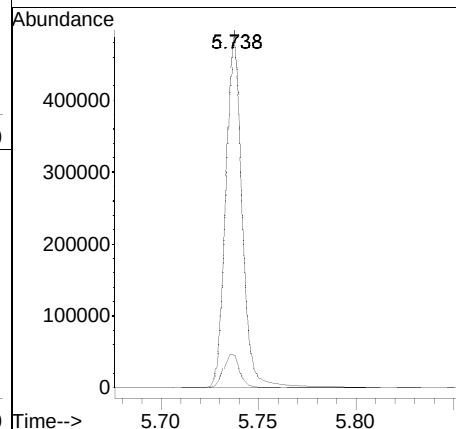
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

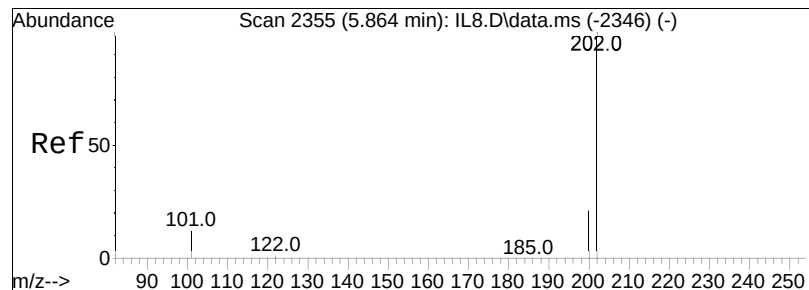




#29
 Fluoranthene
 Concen: 1132.08 ng/ml
 RT: 5.738 min Scan# 2295
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

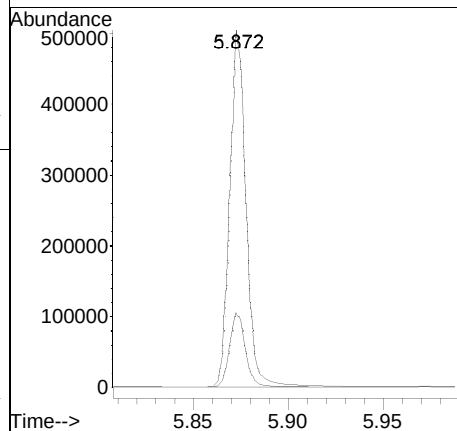
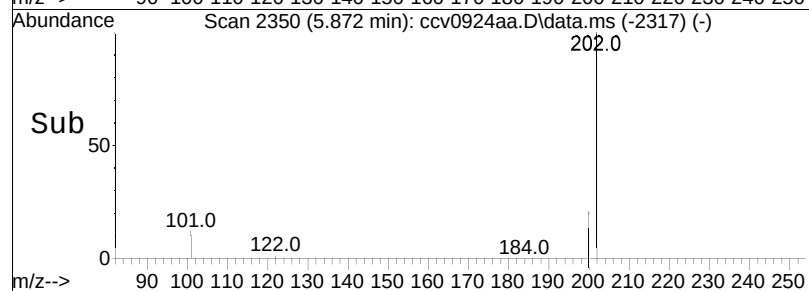
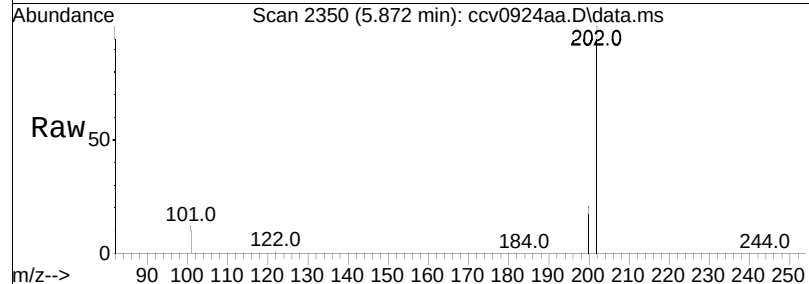
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		281697		
101	9.8	8.2	12.2		

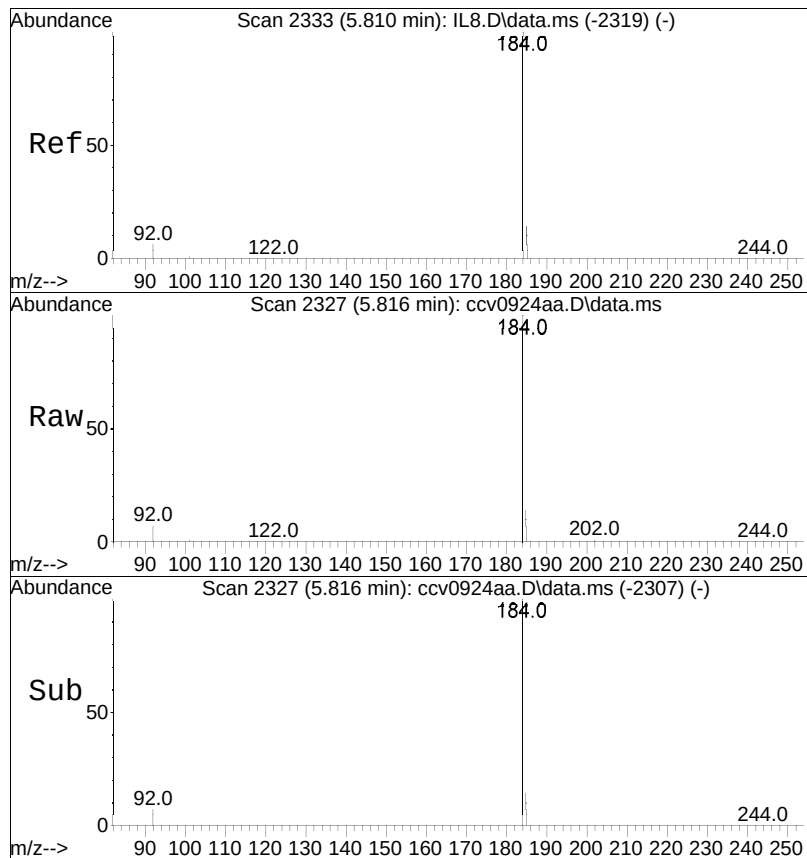




#30
 Pyrene
 Concen: 1144.24 ng/ml
 RT: 5.872 min Scan# 2350
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

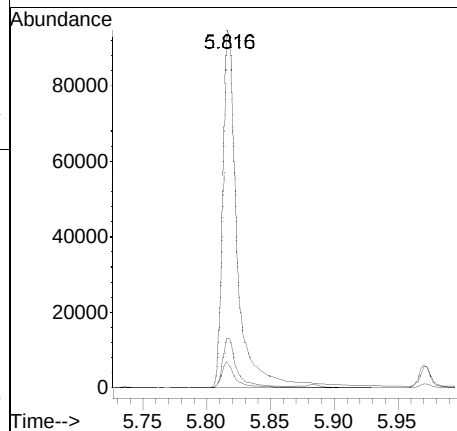
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0

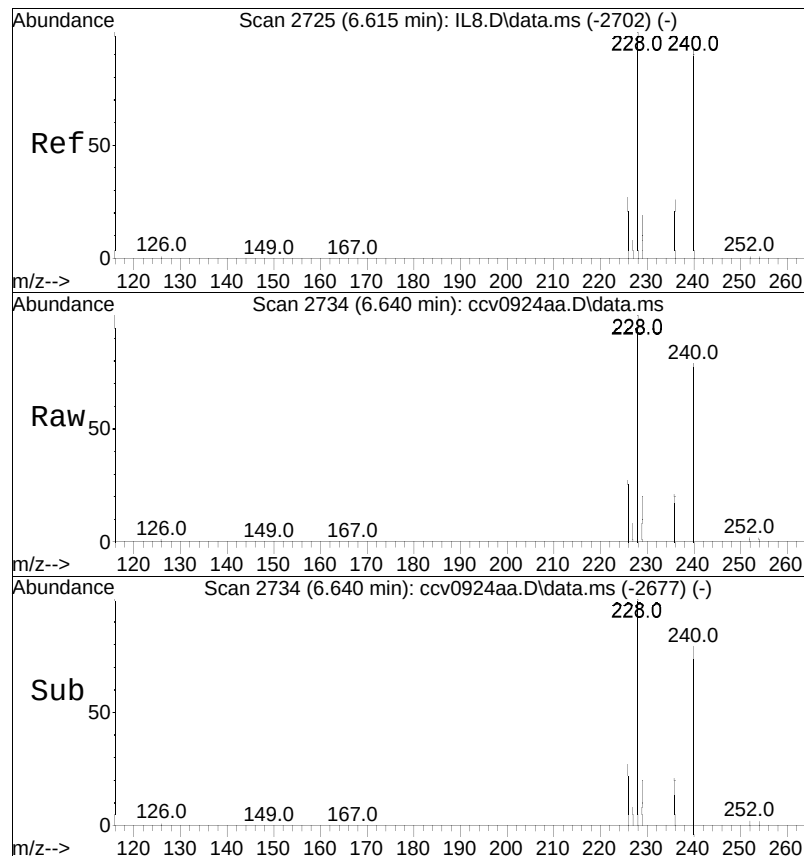




#31
Benzidine
Concen: 705.38 ng/mL
RT: 5.816 min Scan# 2327
Delta R.T. 0.000 min
Lab File: ccv0924aa.D
Acq: 24 Sep 2025 10:01 am

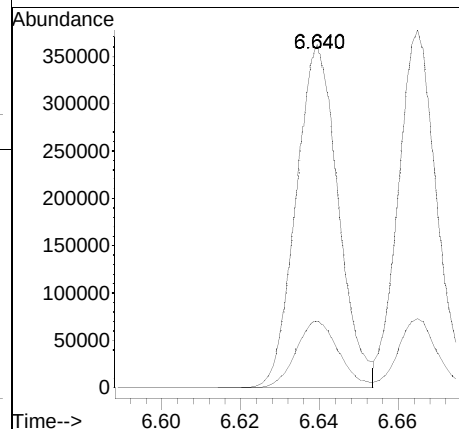
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	74205		
92	6.6		5.5	8.3
185	13.3		10.6	15.8

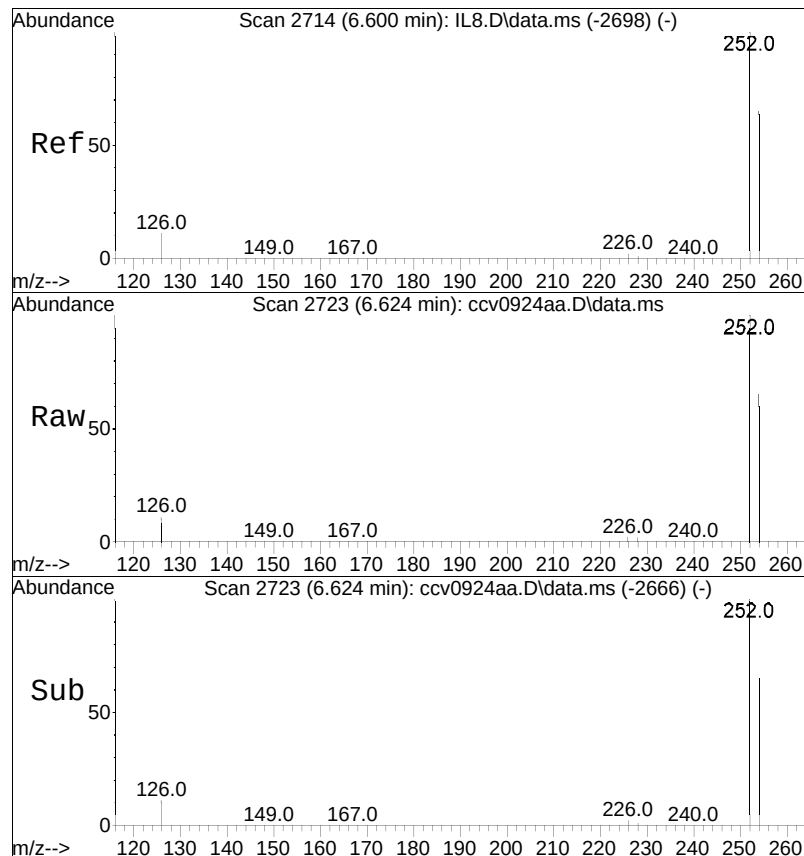




#34
 Benzo[a]anthracene
 Concen: 1088.36 ng/ml
 RT: 6.640 min Scan# 2734
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

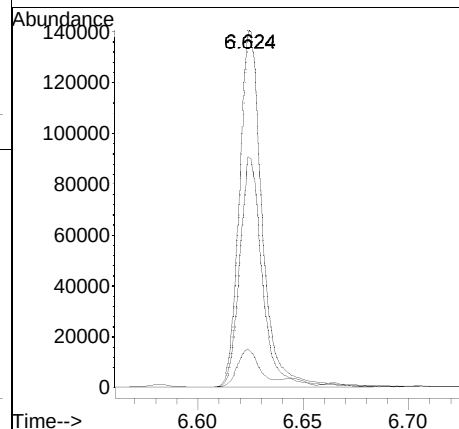
Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.7	23.5

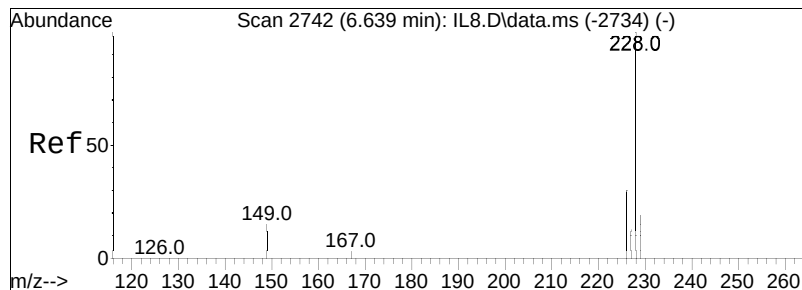




#35
 3,3'-Dichlorobenzidine
 Concen: 1070.76 ng/ml
 RT: 6.624 min Scan# 2723
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

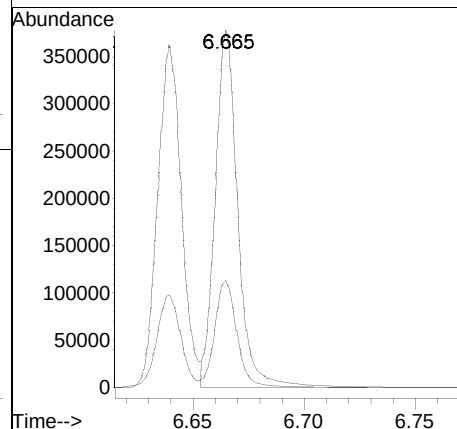
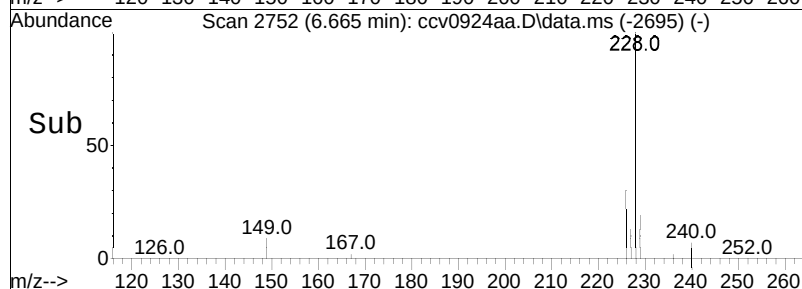
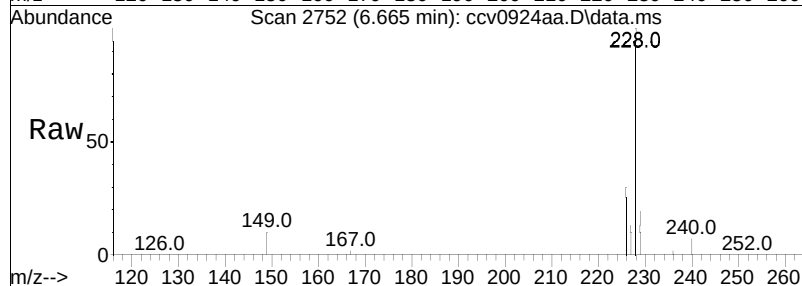
Tgt Ion	Ratio	Lower	Upper
252	100		
126	11.0	8.6	13.0
254	64.2	51.3	76.9

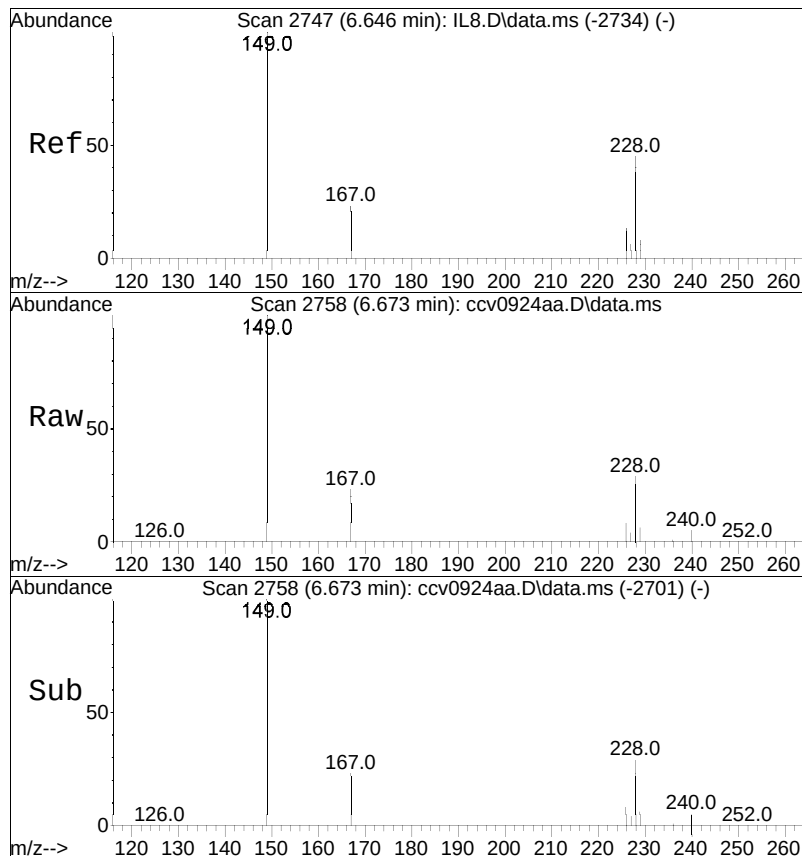




#36
 Chrysene
 Concen: 1069.50 ng/ml
 RT: 6.665 min Scan# 2752
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

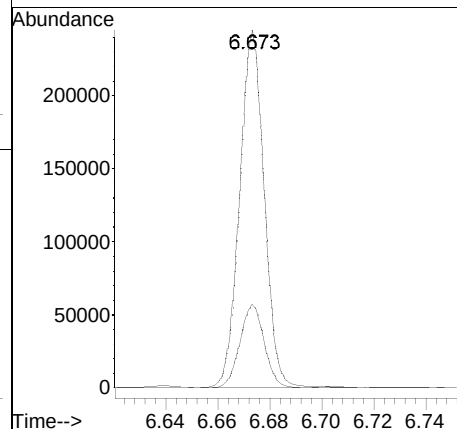
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0

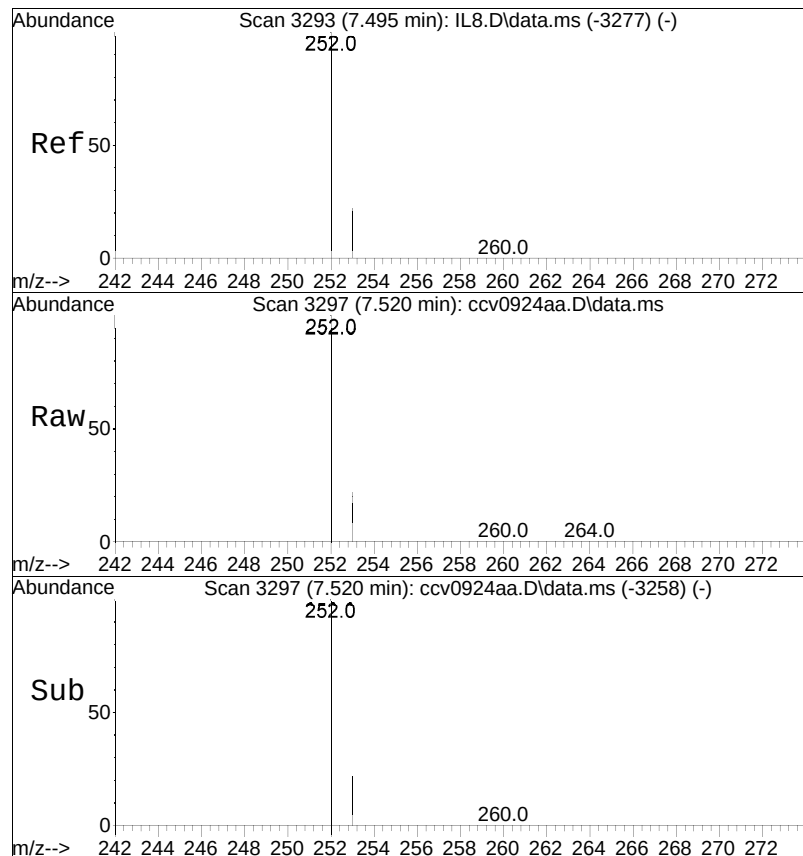




#37
 Bis(2-ethylhexyl)phthalate
 Concen: 1226.85 ng/ml
 RT: 6.673 min Scan# 2758
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

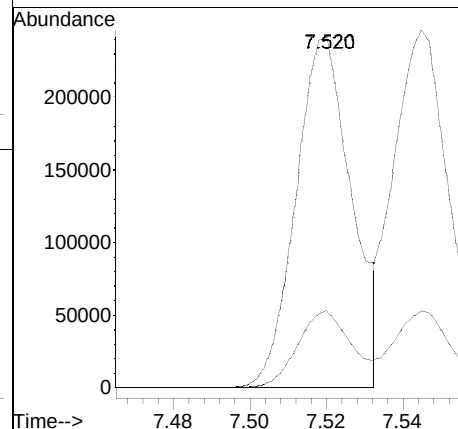
Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.1	18.6	28.0

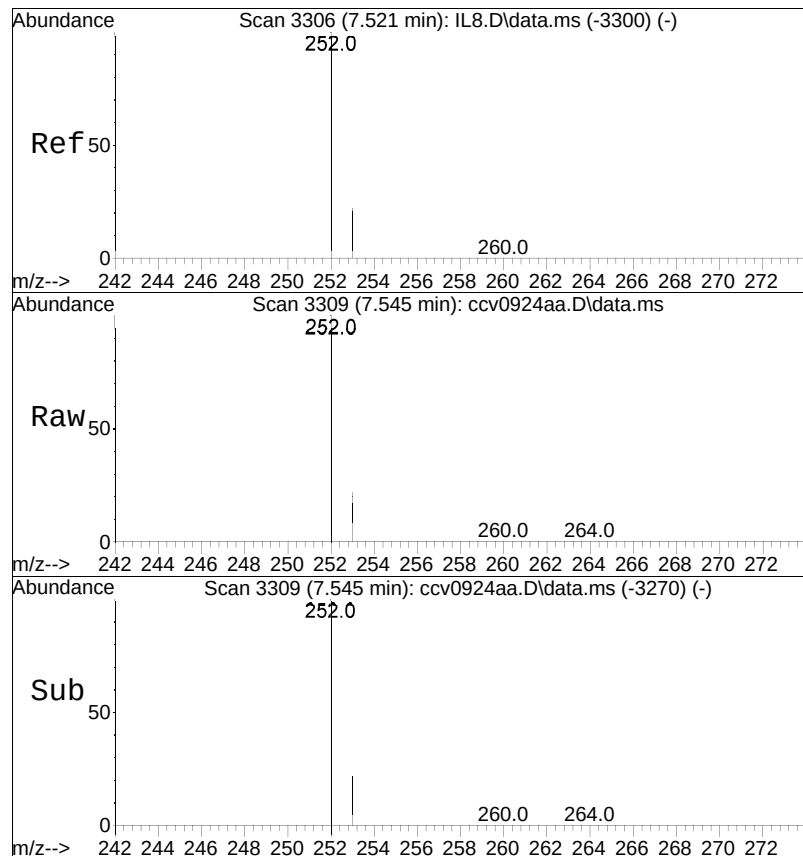




#39
 Benzo[b]fluoranthene
 Concen: 1173.81 ng/ml
 RT: 7.520 min Scan# 3297
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

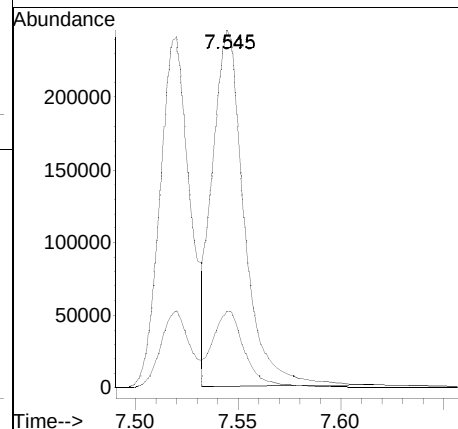
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8

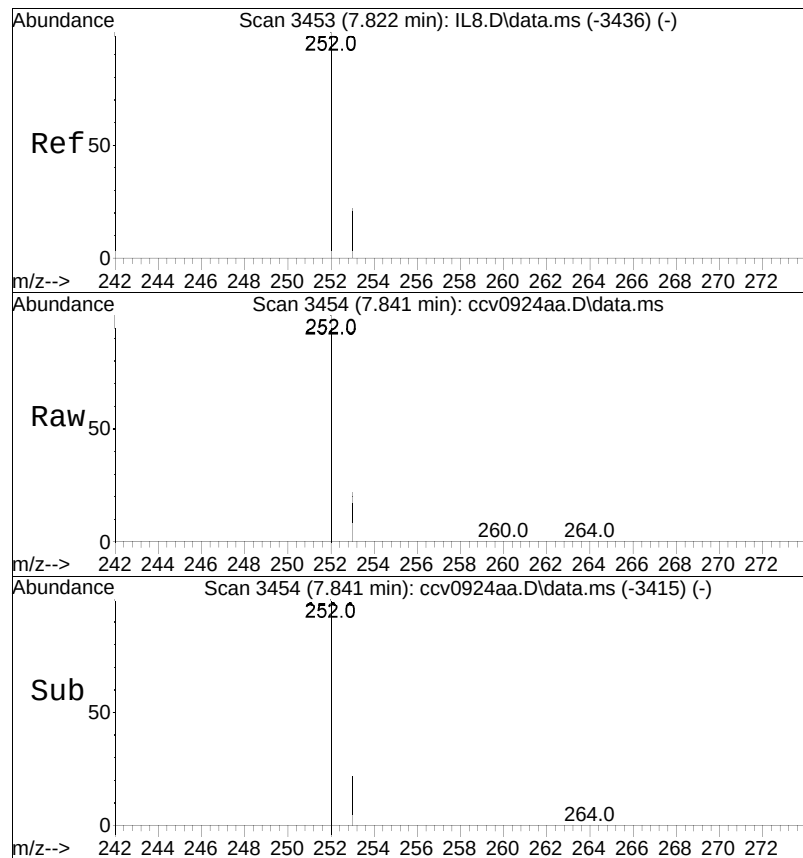




#40
 Benzo[k]fluoranthene
 Concen: 1138.15 ng/ml
 RT: 7.545 min Scan# 3309
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

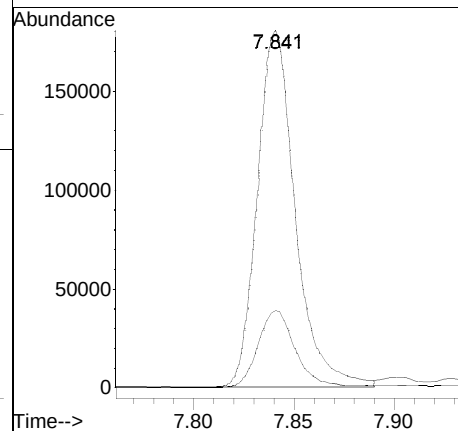
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8

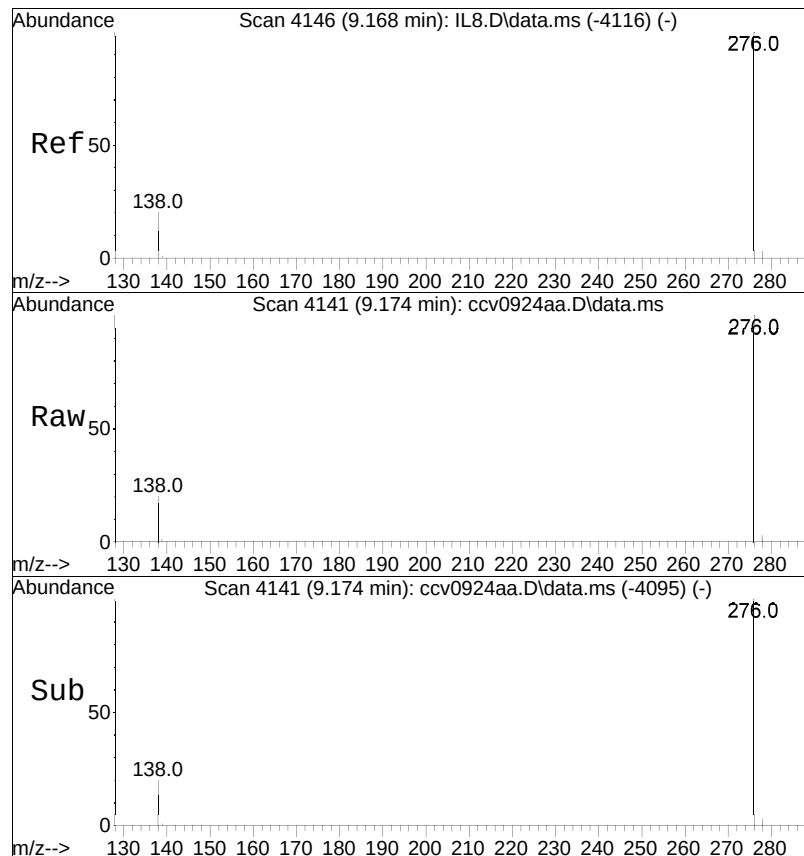




#41
 Benzo[a]pyrene
 Concen: 1198.10 ng/ml
 RT: 7.841 min Scan# 3454
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

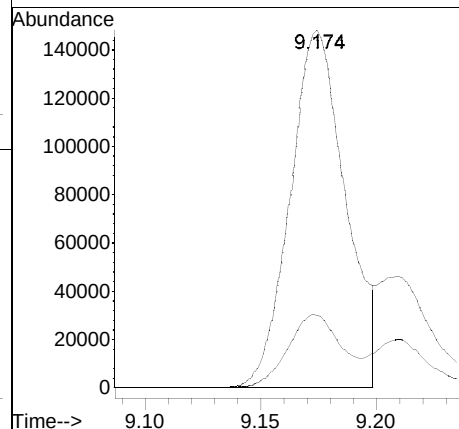
Tgt Ion:	252	Resp:	234898
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.4	26.0

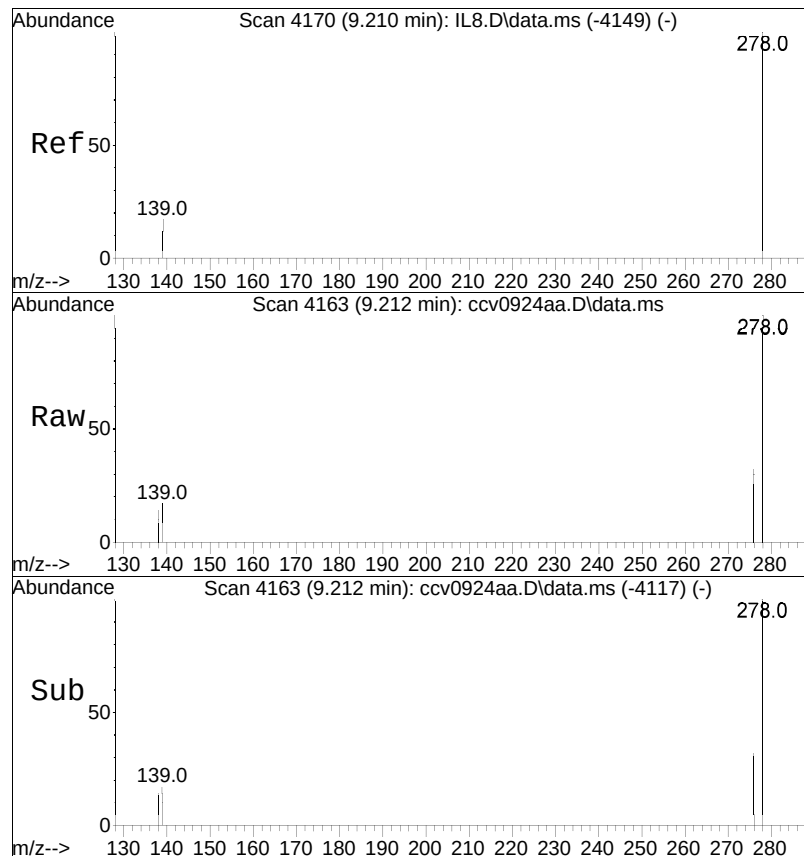




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1501.46 ng/ml
 RT: 9.174 min Scan# 4141
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

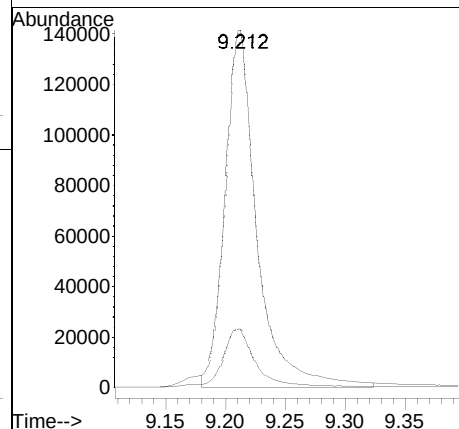
Tgt	Ion	Ratio	Lower	Upper
276	100			
138	20.0	16.3	24.5	

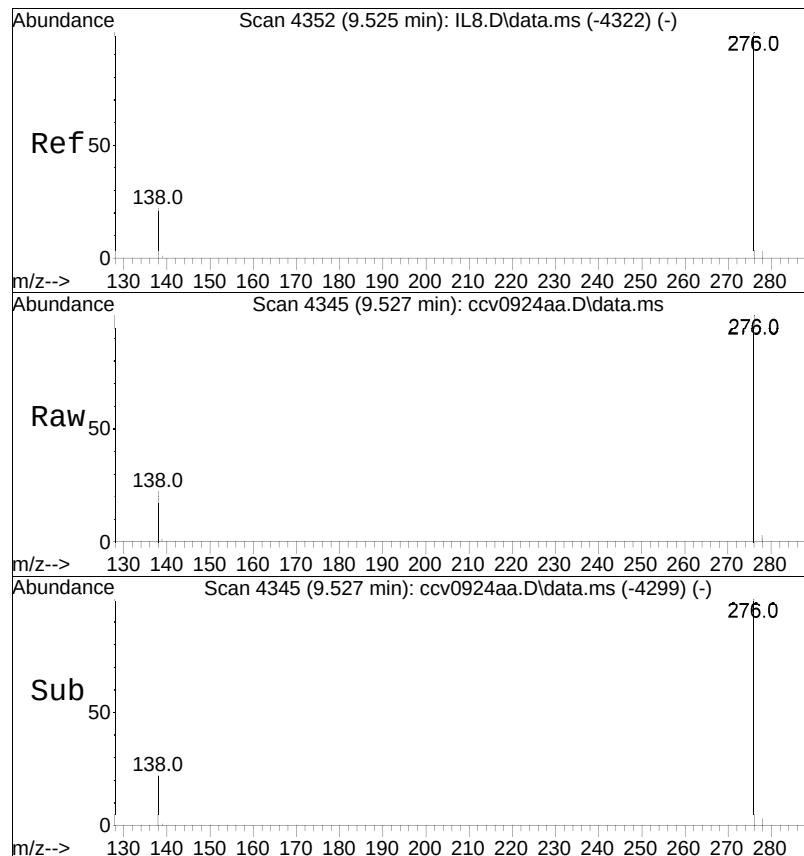




#43
 Dibenzo[a,h]anthracene
 Concen: 1662.08 ng/ml M4
 RT: 9.212 min Scan# 4163
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

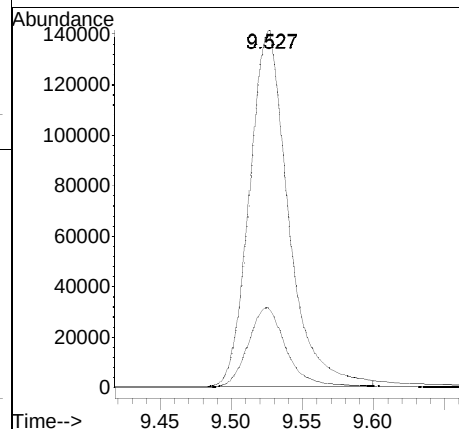
Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.3	12.6	18.8





#44
 Benzo[g,h,i]perylene
 Concen: 1437.75 ng/ml
 RT: 9.527 min Scan# 4345
 Delta R.T. 0.000 min
 Lab File: ccv0924aa.D
 Acq: 24 Sep 2025 10:01 am

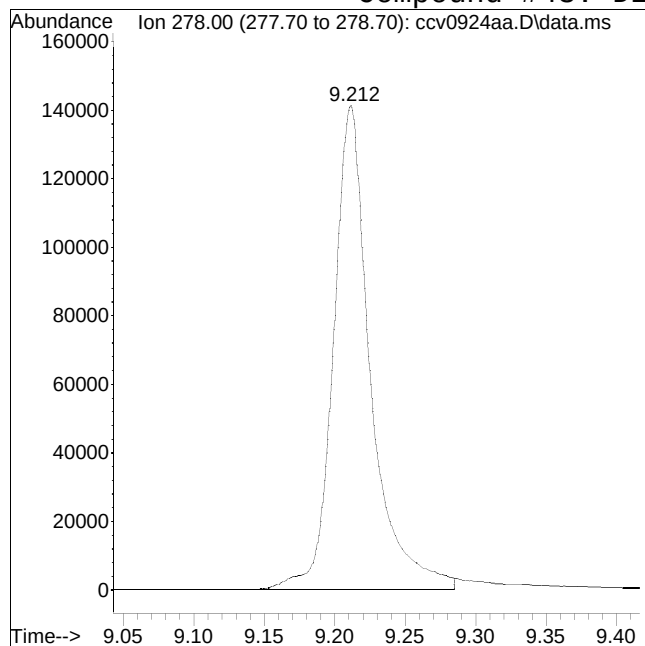
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	17.8	26.8



Manual Integration Report

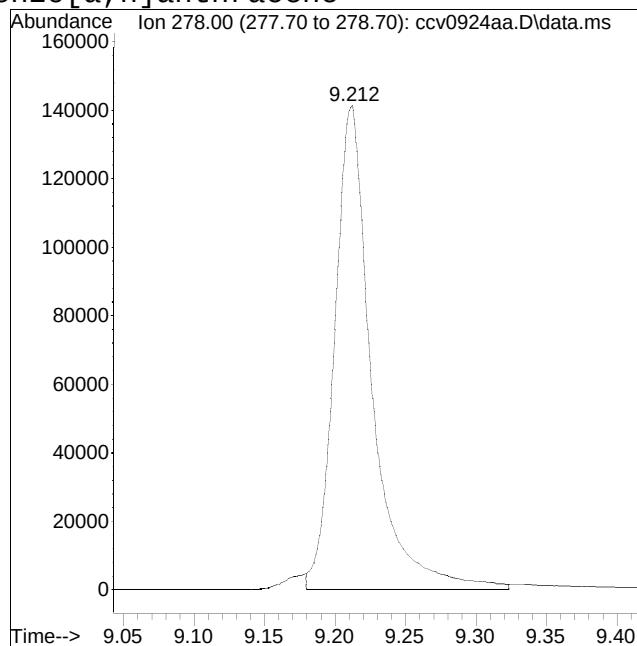
Data Path : I:\8270SIM\sv120\250924aRVQMethod : SIM-RVT_250917_sv120.M
Data File : ccv0924aa.D Operator : SV120:slr
Date Inj'd : 9/24/2025 10:01 am Instrument : SV120
Sample : WG2119028-3,32,,ICV 11696 Quant Date : 9/24/2025 10:16 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 260046

M4 = Poor automated baseline construction.

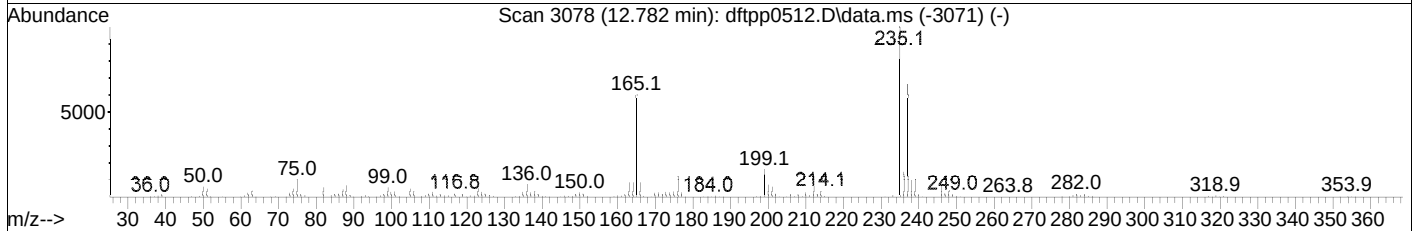
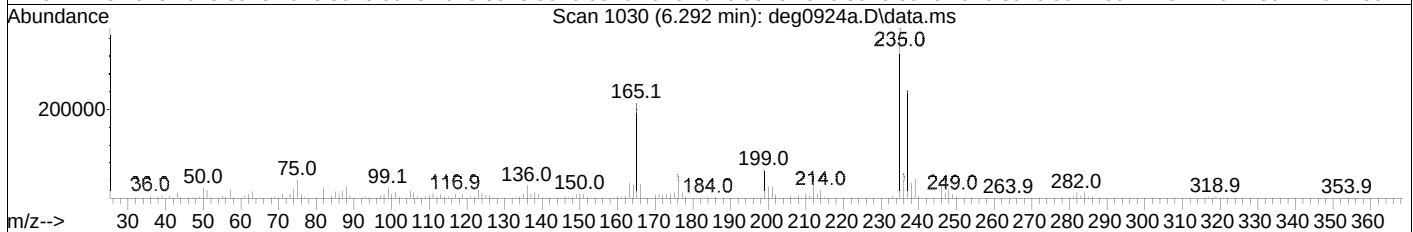
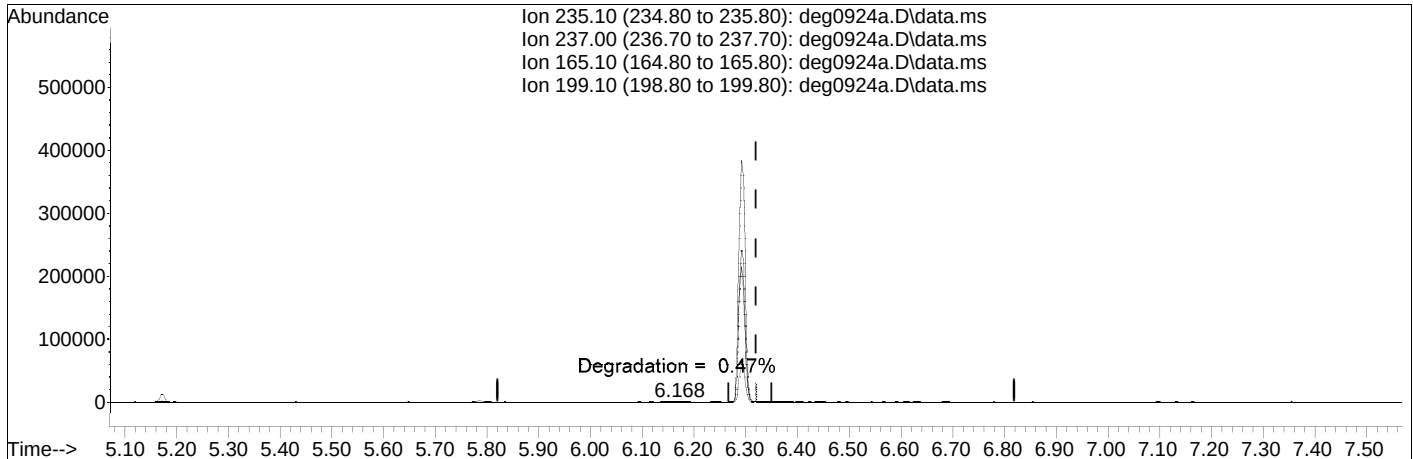


Manual Peak Response = 261122 M4

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\250924aRVT\
Data File : deg0924a.D
Acq On : 24 Sep 2025 09:17 am
Operator : SV120:rp
Sample : WG2119028-2,32,, dftpp SV120 lot#11981
Misc : WG2119028,, ical22659
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 24 09:36:47 2025
Quant Method : I:\8270SIM\sv120\250924aRVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 14 17:02:49 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



CHROMtools\WG2119028-2,32,, dftpp SV120 lot#11981]

(6) ddt (T)

6.292min (-0.028) 49.95

response 304485

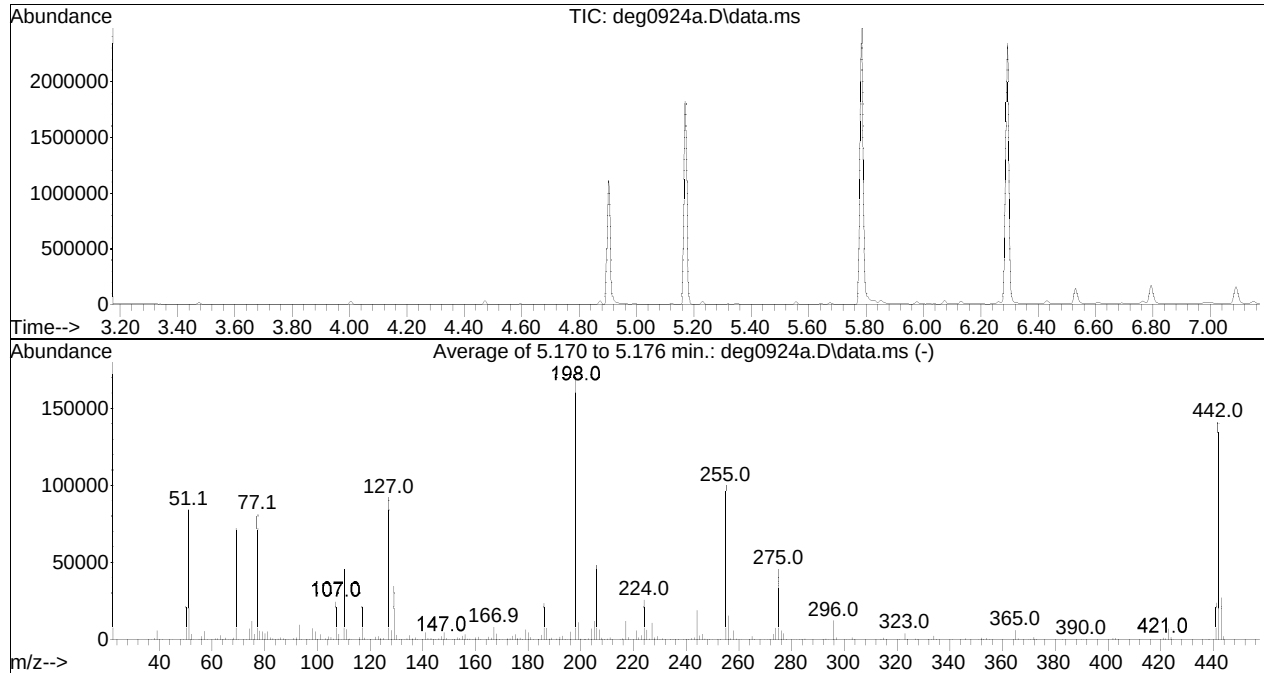
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.22
165.10	53.30	55.51
199.10	17.10	16.87

DFTPP

Data Path : I:\8270SIM\sv120\250924aRVT\
 Data File : deg0924a.D
 Acq On : 24 Sep 2025 09:17 am
 Operator : SV120:slr
 Sample : WG2119028-1,32,, dftpp SV120 lot#11981
 Misc : WG2119028,,ical22659
 ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270sim\sv120\250924aRVT\SIM-RVT_250917_sv120.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Wed Sep 24 10:16:00 2025



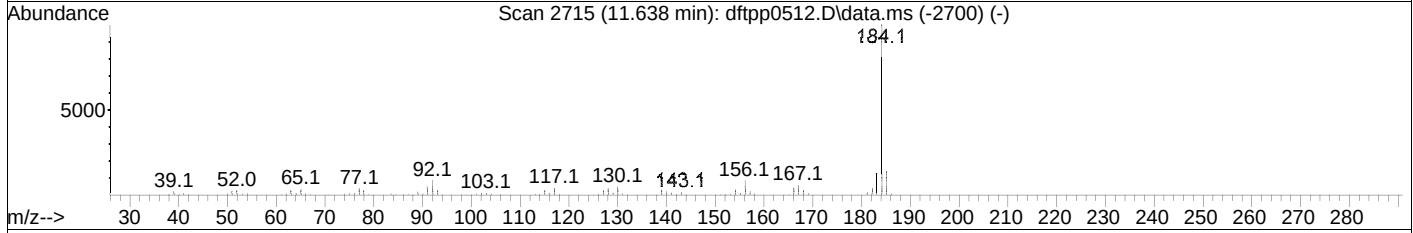
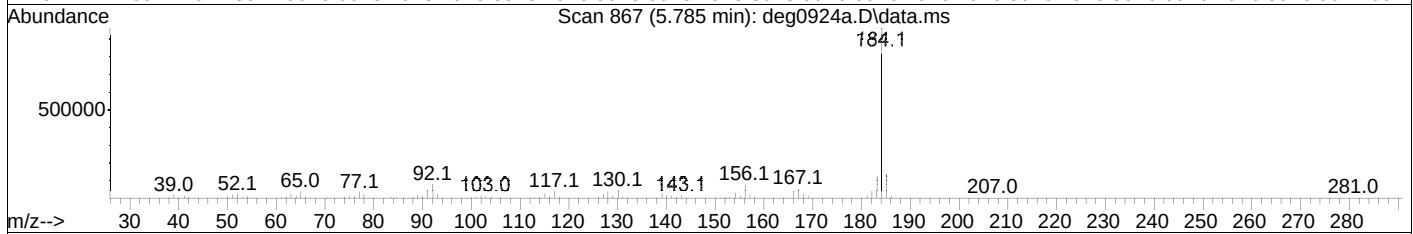
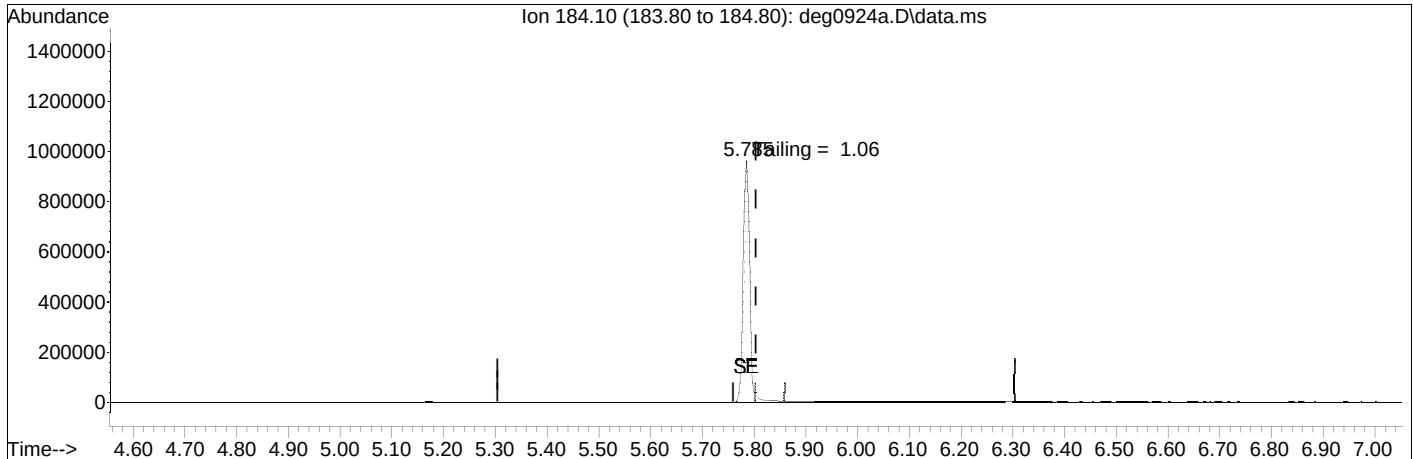
AutoFind: Scans 669, 670, 671; Background Corrected with Scan 662

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	49.2	84267	PASS
68	69	0.00	2	1.9	1355	PASS
69	69	100	100	100.0	72120	PASS
70	69	0.00	2	0.5	377	PASS
127	198	10	80	53.8	92152	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	171149	PASS
199	198	5	9	6.5	11071	PASS
275	198	10	60	26.6	45456	PASS
365	198	1	100	3.6	6182	PASS
441	442	0.01	24	16.9	23864	PASS
442	198	50	100	82.3	140872	PASS
443	442	15	24	19.2	27115	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\250924aRVT\
 Data File : deg0924a.D
 Acq On : 24 Sep 2025 09:17 am
 Operator : SV120:rp
 Sample : WG2119028-4,32,, dftpp SV120 lot#11981
 Misc : WG2119028,, ical22659
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 24 09:36:47 2025
 Quant Method : I:\8270SIM\sv120\250924aRVT\dftppsv120.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sun Sep 14 17:02:49 2025
 Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



CHROMtools [WG2119028-4,32,, dftpp SV120 lot#11981]

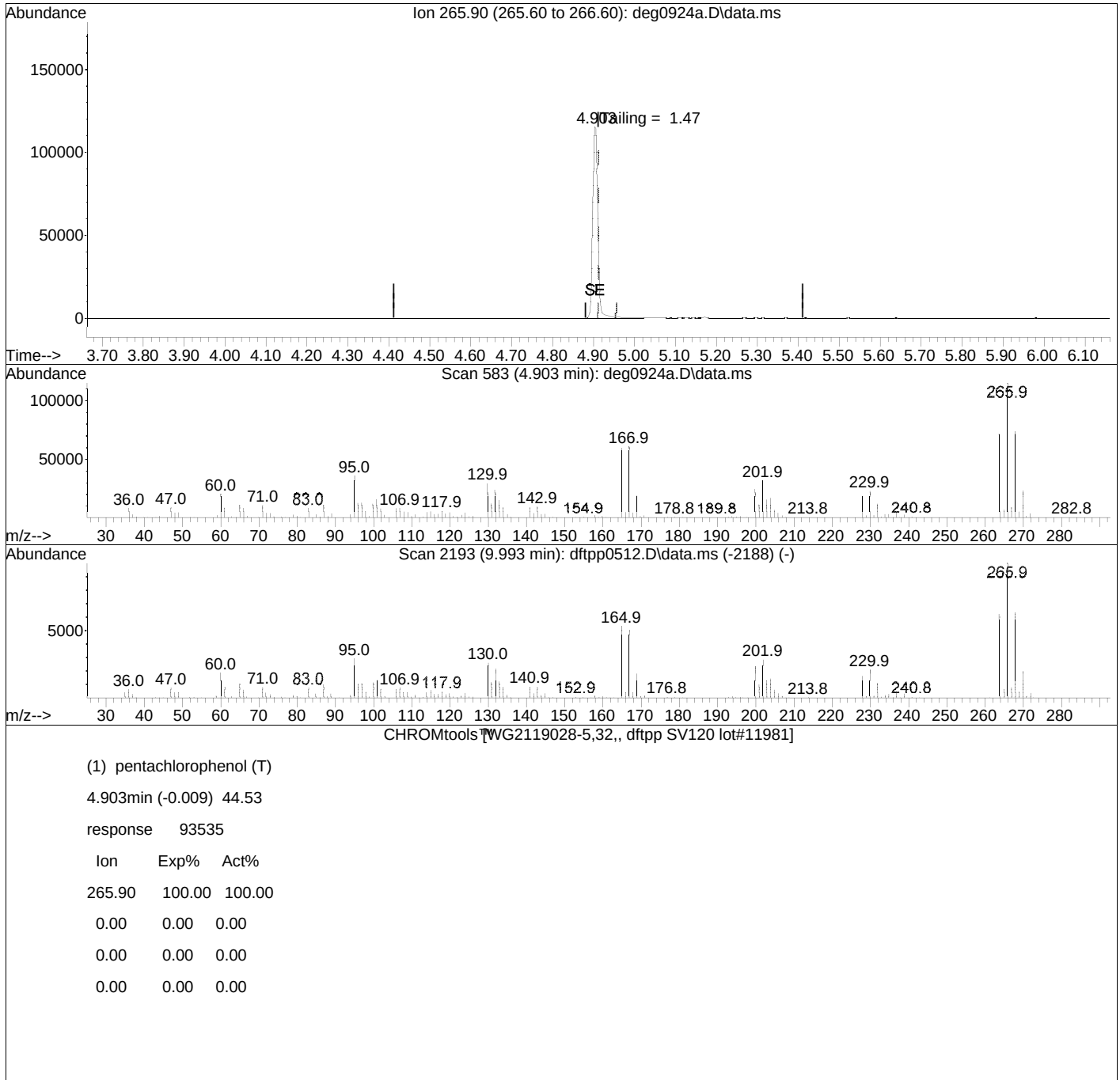
(3) benzidine (T)
 5.785min (-0.019) 76.64
 response 780198

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\250924aRVT\
 Data File : deg0924a.D
 Acq On : 24 Sep 2025 09:17 am
 Operator : SV120:rp
 Sample : WG2119028-5,32,, dftpp SV120 lot#11981
 Misc : WG2119028,, ical22659
 ALS Vial : 48 Sample Multiplier: 1

 Quant Time: Sep 24 09:36:47 2025
 Quant Method : I:\8270SIM\sv120\250924aRVT\dftppsv120.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sun Sep 14 17:02:49 2025
 Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250923RVT\
 Data File : 115184-1.D
 Acq On : 23 Sep 2025 07:37 pm
 Operator : SV120:slr
 Sample : WG2115184-1,32,,RV,rp
 Misc : WG2118575,WG2115184,ical22659
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 06:15:19 2025
 Quant Method : I:\8270sim\sv120\250923RVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 23 14:52:25 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250923RVT\ccv0923.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.515	152	222764	4000.000	ng/ml	0.00
Standard Area 1 = 269134			Recovery = 82.77%			
9) Naphthalene-d8	3.185	136	890456	4000.000	ng/ml	0.00
Standard Area 1 = 1059252			Recovery = 84.06%			
18) Acenaphthene-d10	4.169	164	518167	4000.000	ng/ml	-0.01
Standard Area 1 = 587328			Recovery = 88.22%			
23) Phenanthrene-d10	5.012	188	1047976	4000.000	ng/ml	-0.01
Standard Area 1 = 1238610			Recovery = 84.61%			
33) Chrysene-d12	6.606	240	881655	4000.000	ng/ml	-0.02
Standard Area 1 = 1065937			Recovery = 82.71%			
38) Perylene-d12	7.858	264	821015	4000.000	ng/ml	-0.03
Standard Area 1 = 1023284			Recovery = 80.23%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.903	112	85626	1679.166	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 83.96%			
4) Phenol-d6	2.322	99	76477	1163.029	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 58.15%			
8) Nitrobenzene-d5	2.799	82	54191	897.287	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 89.73%			
14) 2-Fluorobiphenyl	3.786	172	170944	999.753	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 99.98%			
22) 2,4,6-Tribromophenol	4.616	330	37495	2092.621	ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 104.63%			
32) 4-Terphenyl-d14	5.944	244	210512	1015.511	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 101.55%			
Target Compounds						
						Qvalue
7) Hexachloroethane	0.000		0		N.D.	
10) Naphthalene	0.000		0		N.D.	d
11) Hexachlorobutadiene	0.000		0		N.D.	
12) 2-Methylnaphthalene	0.000		0		N.D.	d
15) 2-Chloronaphthalene	0.000		0		N.D.	d
17) Acenaphthylene	0.000		0		N.D.	
19) Acenaphthene	0.000		0		N.D.	d
21) Fluorene	0.000		0		N.D.	d
25) Hexachlorobenzene	0.000		0		N.D.	d
26) Pentachlorophenol	4.908	266	197M6	12.882	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250923RVT\
 Data File : 115184-1.D
 Acq On : 23 Sep 2025 07:37 pm
 Operator : SV120:slr
 Sample : WG2115184-1,32,,RV,rp
 Misc : WG2118575,WG2115184,ical22659
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 06:15:19 2025
 Quant Method : I:\8270sim\sv120\250923RVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 23 14:52:25 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\250923RVT\ccv0923.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
43) Dibenzo[a,h]anthracene	0.000		0	N.D.		
44) Benzo[g,h,i]perylene	0.000		0	N.D.		

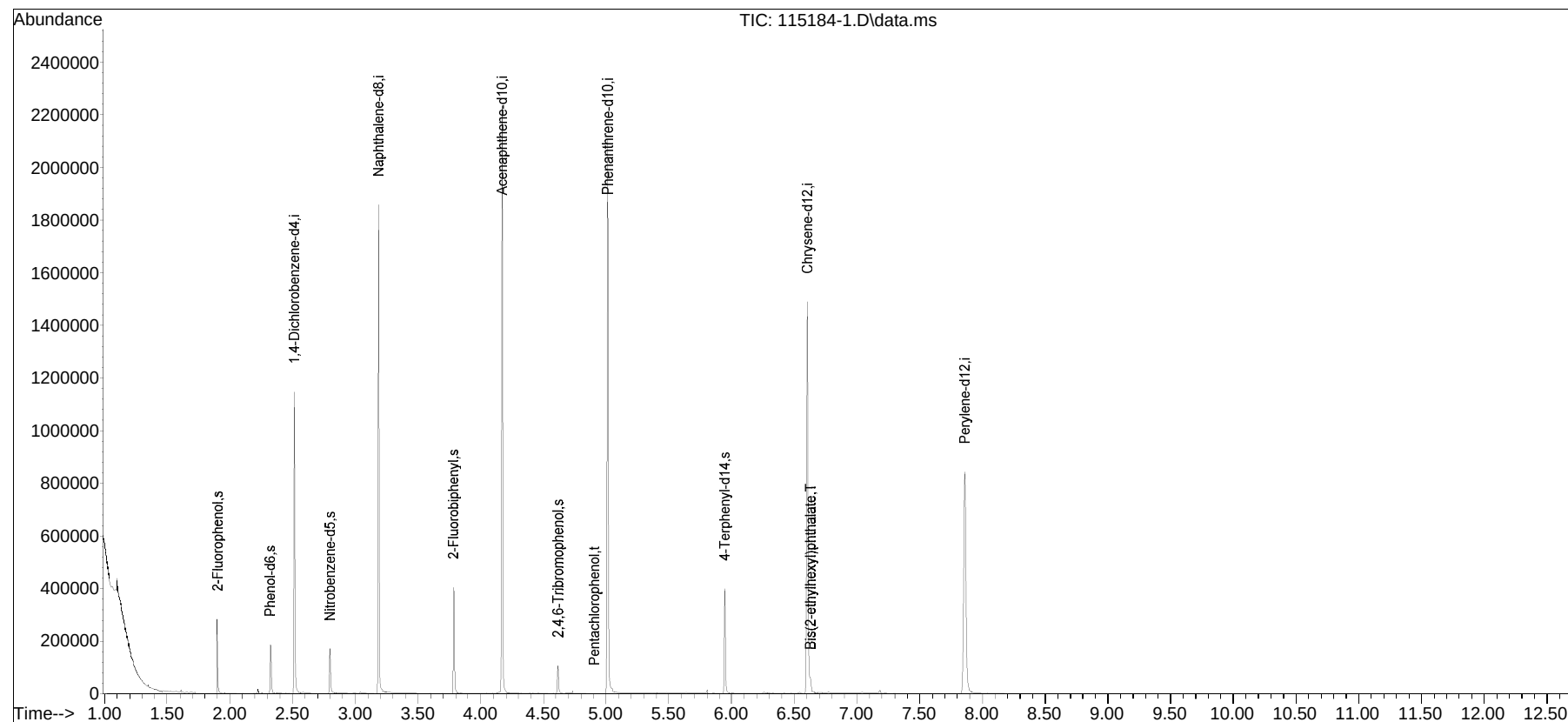
(#) = qualifier out of range (m) = manual integration (+) = signals summed

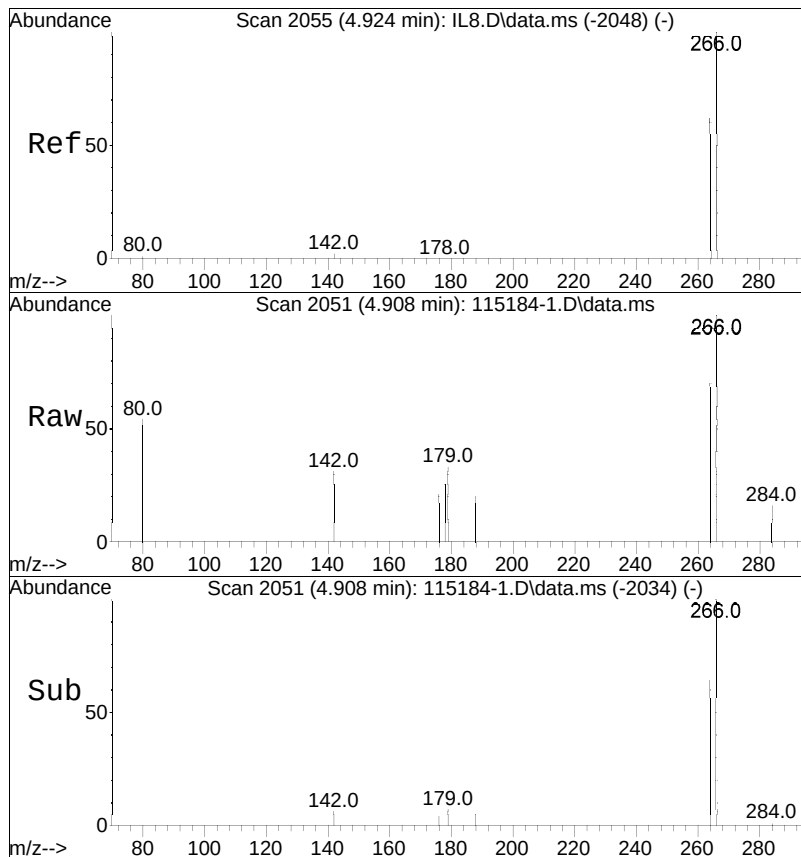
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\250923RVT\
 Data File : 115184-1.D
 Acq On : 23 Sep 2025 07:37 pm
 Operator : SV120:slr
 Sample : WG2115184-1,32,,RV,rp
 Misc : WG2118575,WG2115184,ical22659
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 06:15:19 2025
 Quant Method : I:\8270sim\sv120\250923RVT\SIM-RVT_250917_sv120.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 23 14:52:25 2025
 Response via : Initial Calibration

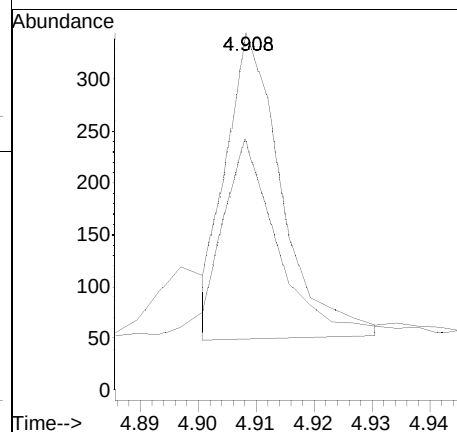
Sub List : DEFAULT - All compounds listed\ccv0923.D•





#26
 Pentachlorophenol
 Concen: 12.88 ng/ml M6
 RT: 4.908 min Scan# 2051
 Delta R.T. -0.015 min
 Lab File: 115184-1.D
 Acq: 23 Sep 2025 07:37 pm

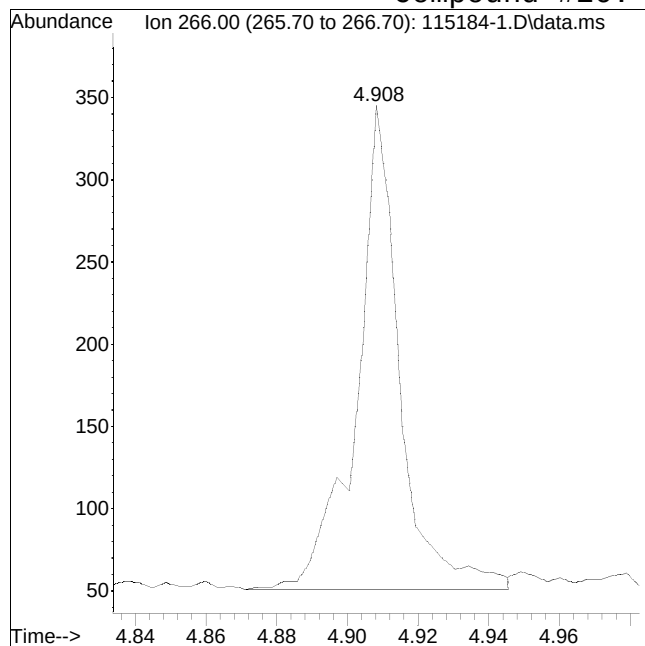
Tgt Ion:266 Resp: 197
 Ion Ratio Lower Upper
 266 100
 264 69.5 50.5 75.7



Manual Integration Report

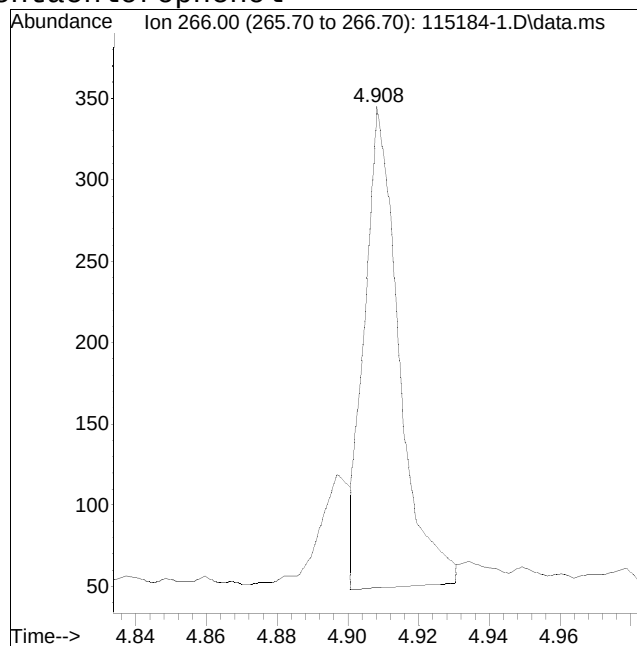
Data Path : I:\8270SIM\sv120\250923RVTQMethod : SIM-RVT_250917_sv120.M
Data File : 115184-1.D Operator : SV120:slr
Date Inj'd : 9/23/2025 7:37 pm Instrument : SV120
Sample : WG2115184-1,32,,RV,rp Quant Date : 9/23/2025 7:51 pm

Compound #26: Pentachlorophenol



Original Peak Response = 249

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 197 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250920RVT\
 Data File : 115184-2.D
 Acq On : 20 Sep 2025 04:13 pm
 Operator : SV125:rp
 Sample : WG2115184-2,32,,rp
 Misc : WG2117439,WG2115184,ical22616
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 20 21:03:25 2025
 Quant Method : I:\8270sim\SV125\250920RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 20 14:13:26 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250920RVT\ccv0920.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.311	152	297411	4000.000	ng/ml	0.00
Standard Area 1 = 224518			Recovery	=	132.47%	
9) Naphthalene-d8	2.972	136	1249334	4000.000	ng/ml	0.00
Standard Area 1 = 902324			Recovery	=	138.46%	
18) Acenaphthene-d10	3.948	164	738202	4000.000	ng/ml	0.00
Standard Area 1 = 528079			Recovery	=	139.79%	
23) Phenanthrene-d10	4.782	188	1543388	4000.000	ng/ml	0.00
Standard Area 1 = 1167456			Recovery	=	132.20%	
33) Chrysene-d12	6.317	240	1184131	4000.000	ng/ml	-0.02
Standard Area 1 = 1056075			Recovery	=	112.13%	
38) Perylene-d12	7.418	264	1075017	4000.000	ng/ml	-0.02
Standard Area 1 = 1005911			Recovery	=	106.87%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.724	112	101761	1385.598	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	69.28%	
4) Phenol-d6	2.128	99	98339	1083.840	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	54.19%	
8) Nitrobenzene-d5	2.589	82	78672	1085.827	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	108.58%	
14) 2-Fluorobiphenyl	3.572	172	211205	828.377	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	82.84%	
22) 2,4,6-Tribromophenol	4.390	330	45504	1657.998	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	82.90%	
32) 4-Terphenyl-d14	5.699	244	257534	832.626	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	83.26%	
Target Compounds						
						Qvalue
7) Hexachloroethane	2.570	117	45341	1215.040	ng/ml	92
10) Naphthalene	2.983	128	452066	1368.387	ng/ml	99
11) Hexachlorobutadiene	3.061	225	75888	1386.526	ng/ml	99
12) 2-Methylnaphthalene	3.364	142	297953	1545.297	ng/ml	99
15) 2-Chloronaphthalene	3.631	162	333550	1541.404	ng/ml	91
17) Acenaphthylene	3.866	152	587907	1718.413	ng/ml	100
19) Acenaphthene	3.963	153	367884	1558.802	ng/ml	95
21) Fluorene	4.255	166	444925	1683.542	ng/ml	100
25) Hexachlorobenzene	4.569	284	145493	1736.287	ng/ml	96
26) Pentachlorophenol	4.684	266	15975	612.985	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250920RVT\
 Data File : 115184-2.D
 Acq On : 20 Sep 2025 04:13 pm
 Operator : SV125:rp
 Sample : WG2115184-2,32,,rp
 Misc : WG2117439,WG2115184,ical22616
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 20 21:03:25 2025
 Quant Method : I:\8270sim\SV125\250920RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 20 14:13:26 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250920RVT\ccv0920.D
 Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

27)	Phenanthrene	4.797	178	675685	1532.724	ng/ml	100
28)	Anthracene	4.823	178	680646	1618.459	ng/ml	100
29)	Fluoranthene	5.471	202	800496	1679.093	ng/ml	98
30)	Pyrene	5.598	202	802635	1640.318	ng/ml	100
34)	Benzo[a]anthracene	6.312	226	200480	1760.180	ng/ml	99
36)	Chrysene	6.331	228	626144	1665.168	ng/ml	99
39)	Benzo[b]fluoranthene	7.079	252	613314	1803.471	ng/ml	95
40)	Benzo[k]fluoranthene	7.101	252	600015	1741.164	ng/ml	95
41)	Benzo[a]pyrene	7.359	252	543752	1808.814	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.538	276	534811	1872.397	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.576	278	491320M6	1734.892	ng/ml	
44)	Benzo[g,h,i]perylene	8.857	276	517248	1756.640	ng/ml	99

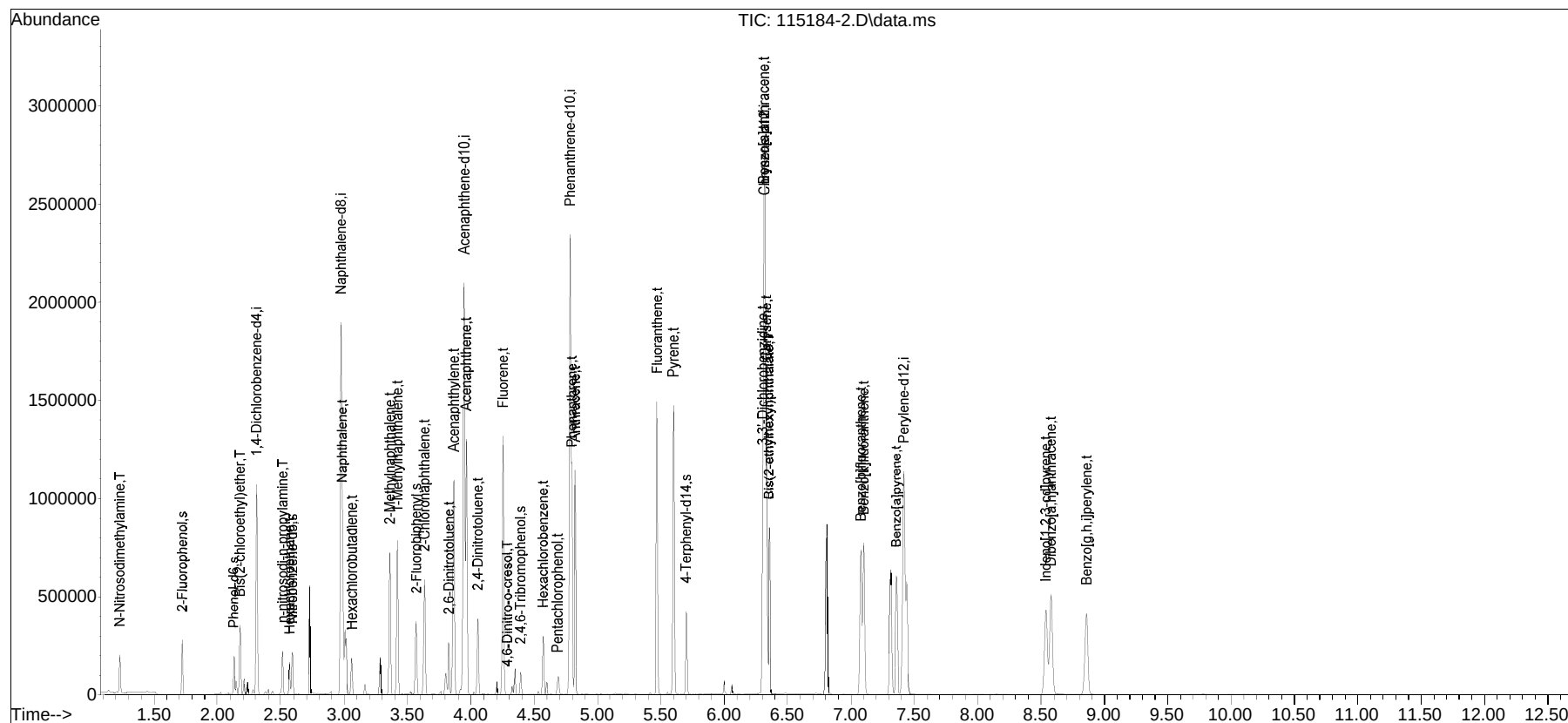
(#) = qualifier out of range (m) = manual integration (+) = signals summed

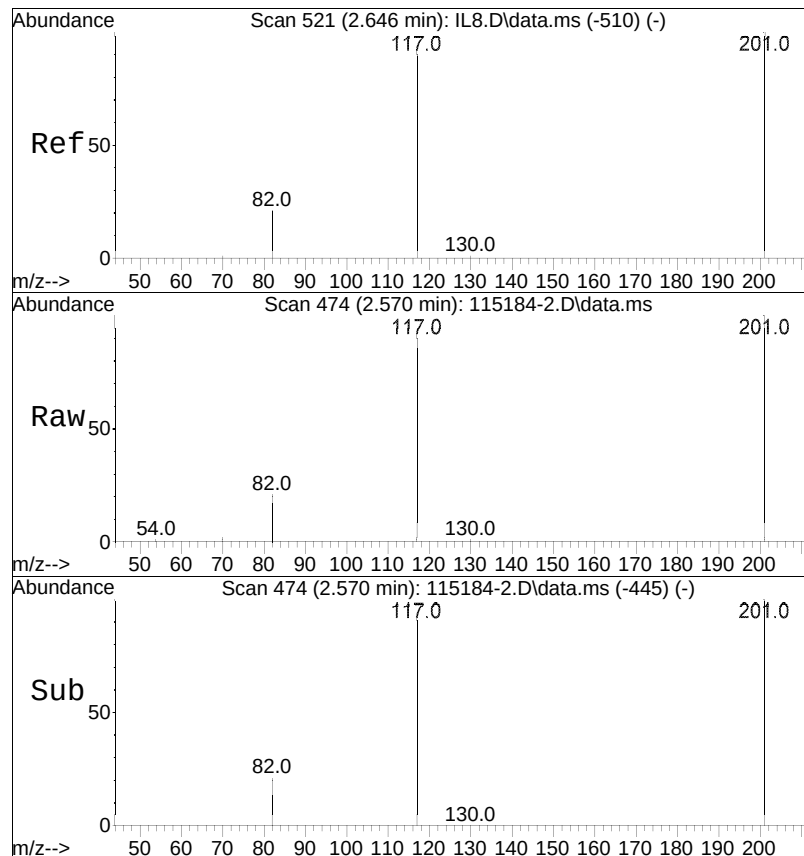
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250920RVT\
 Data File : 115184-2.D
 Acq On : 20 Sep 2025 04:13 pm
 Operator : SV125:rp
 Sample : WG2115184-2,32,,rp
 Misc : WG2117439,WG2115184,ical22616
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 20 21:03:25 2025
 Quant Method : I:\8270sim\SV125\250920RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 20 14:13:26 2025
 Response via : Initial Calibration

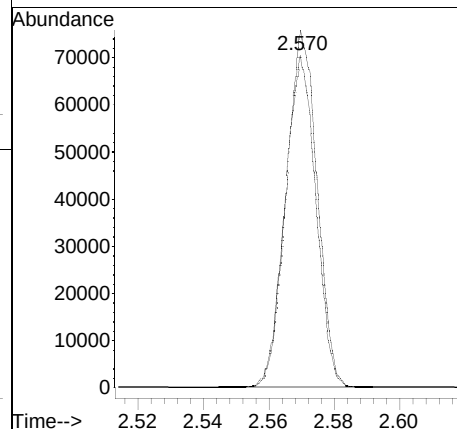
Sub List : DEFAULT - All compounds listed\ccv0920.D•

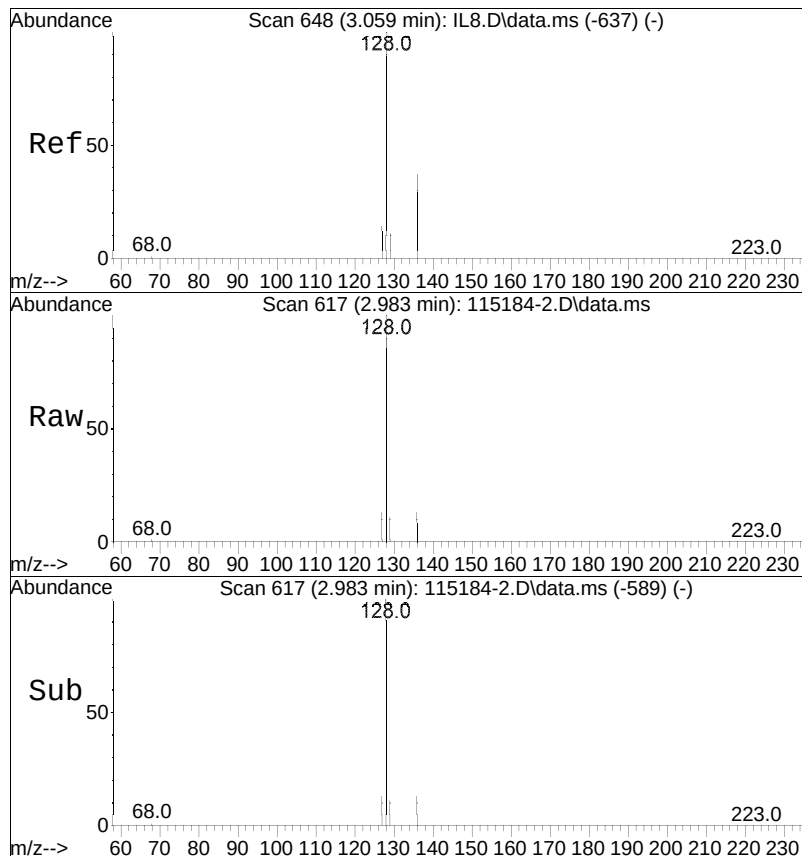




#7
 Hexachloroethane
 Concen: 1215.04 ng/ml
 RT: 2.570 min Scan# 474
 Delta R.T. -0.000 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

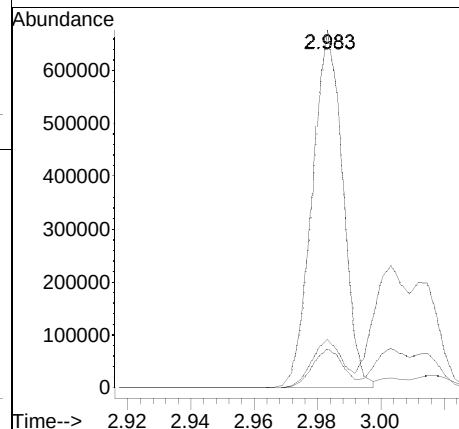
Tgt Ion	Ratio	Lower	Upper
117	100		
201	108.0	80.2	120.2

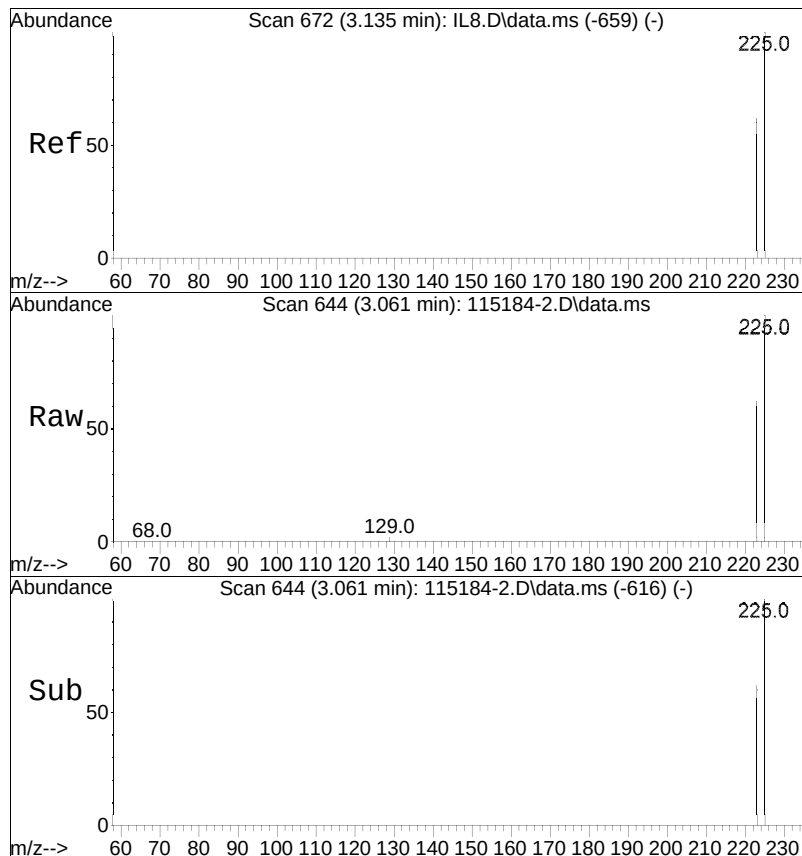




#10
 Naphthalene
 Concen: 1368.39 ng/ml
 RT: 2.983 min Scan# 617
 Delta R.T. -0.001 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

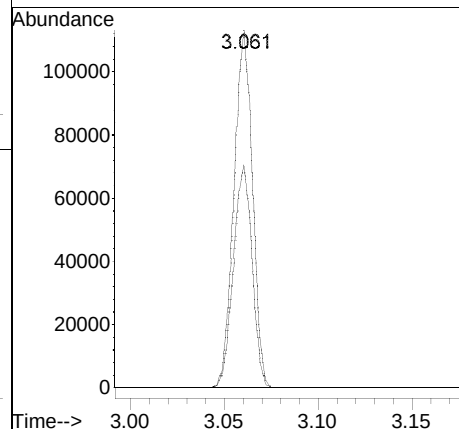
Tgt	Ion:128	Resp:	452066
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	14.0	10.6	15.8

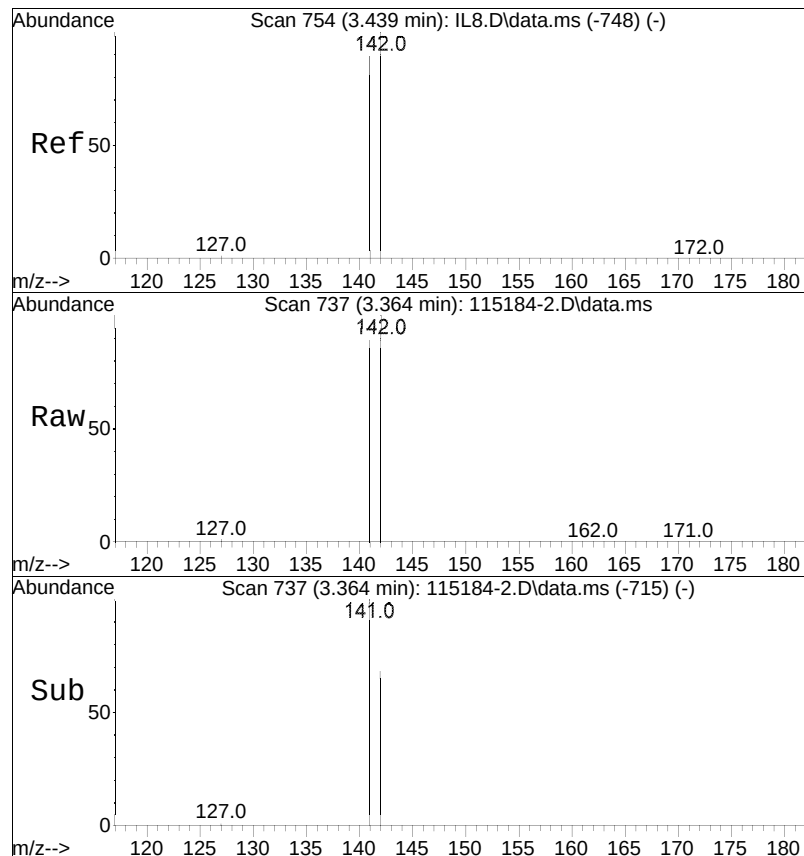




#11
 Hexachlorobutadiene
 Concen: 1386.53 ng/ml
 RT: 3.061 min Scan# 644
 Delta R.T. -0.001 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

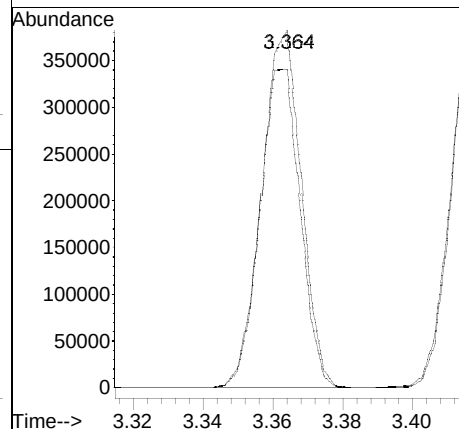
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.6	75.8

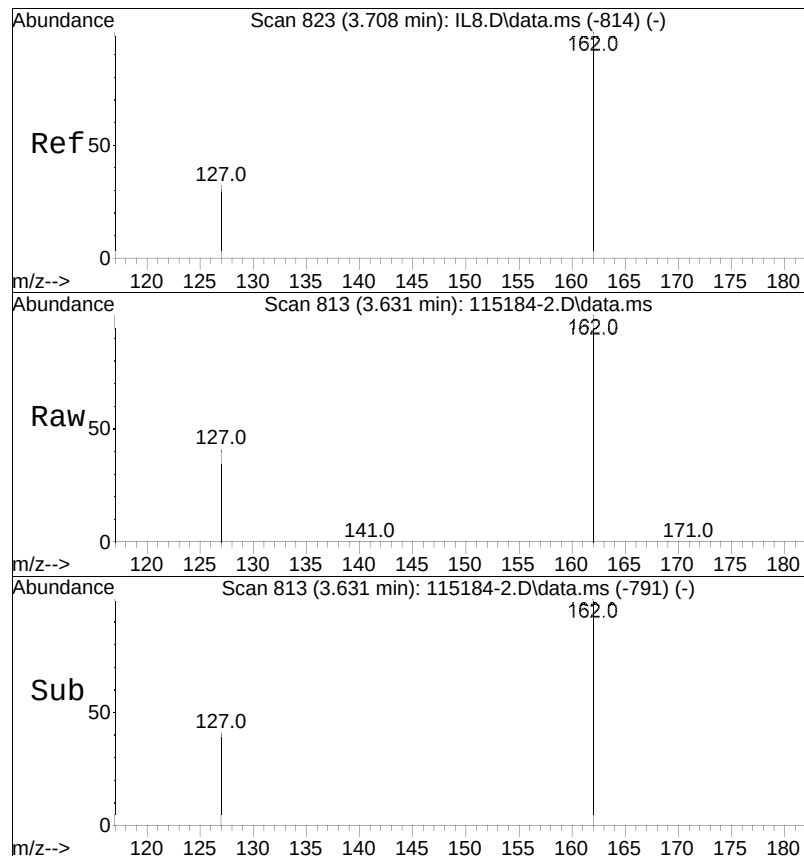




#12
 2-Methylnaphthalene
 Concen: 1545.30 ng/ml
 RT: 3.364 min Scan# 737
 Delta R.T. -0.001 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

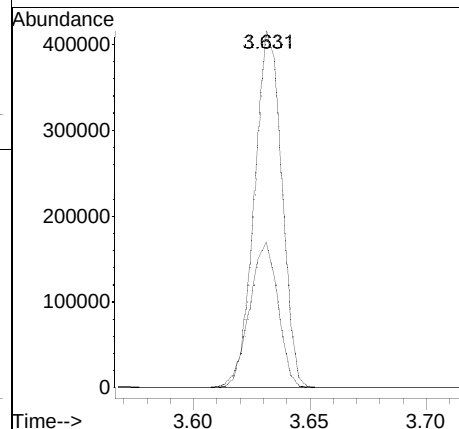
Tgt Ion:	142	Resp:	297953
Ion Ratio	Lower	Upper	
142	100		
141	91.9	74.2	111.4

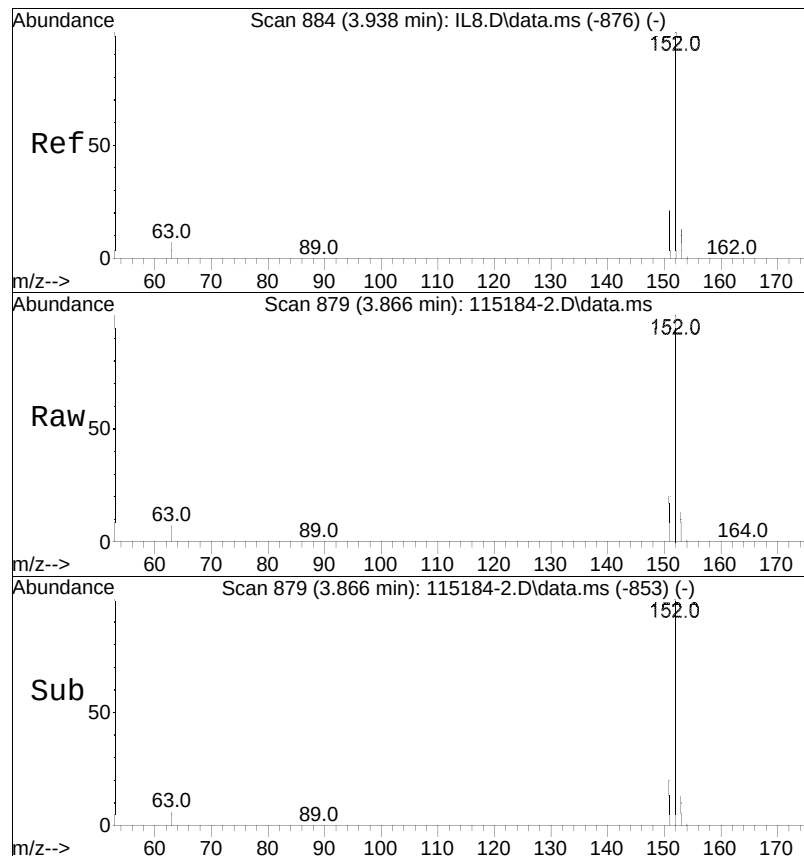




#15
 2-Chloronaphthalene
 Concen: 1541.40 ng/ml
 RT: 3.631 min Scan# 813
 Delta R.T. -0.001 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

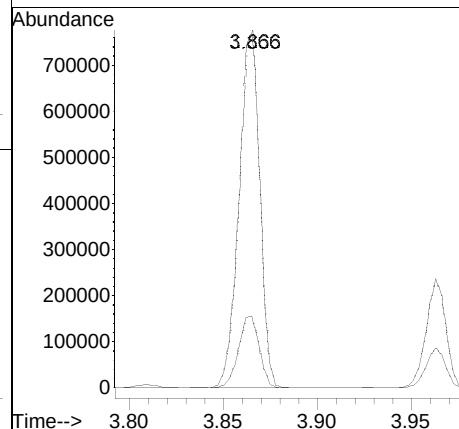
Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.8	30.0	45.0

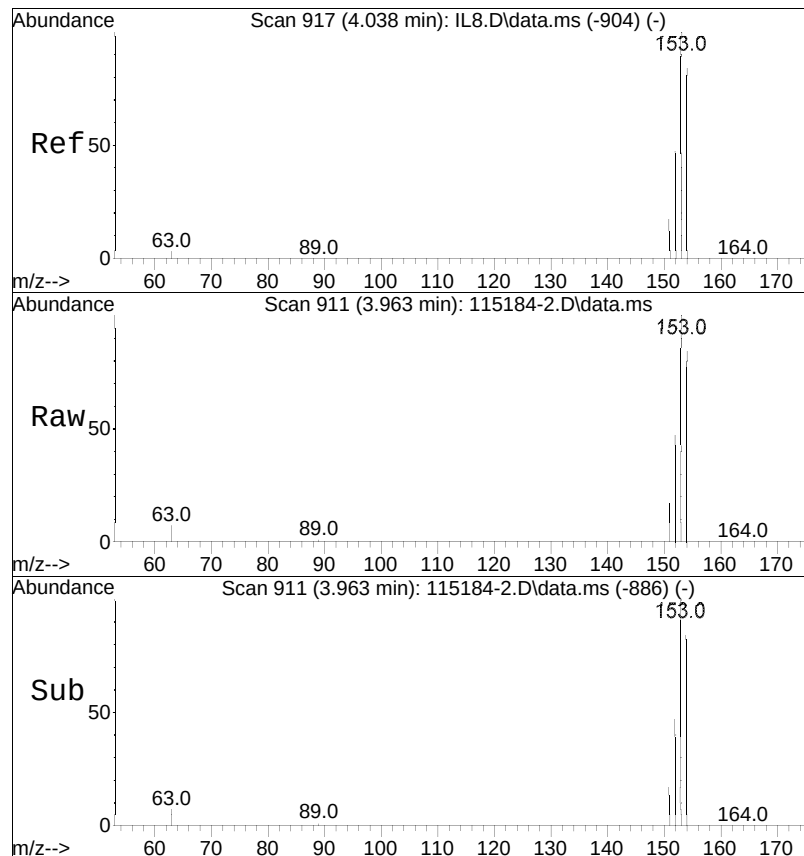




#17
 Acenaphthylene
 Concen: 1718.41 ng/ml
 RT: 3.866 min Scan# 879
 Delta R.T. -0.001 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

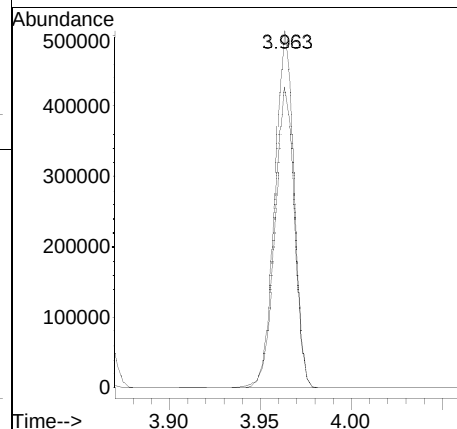
Tgt	Ion	Ratio	Resp	Lower	Upper
152	100		587907		
151	20.3			16.1	24.1

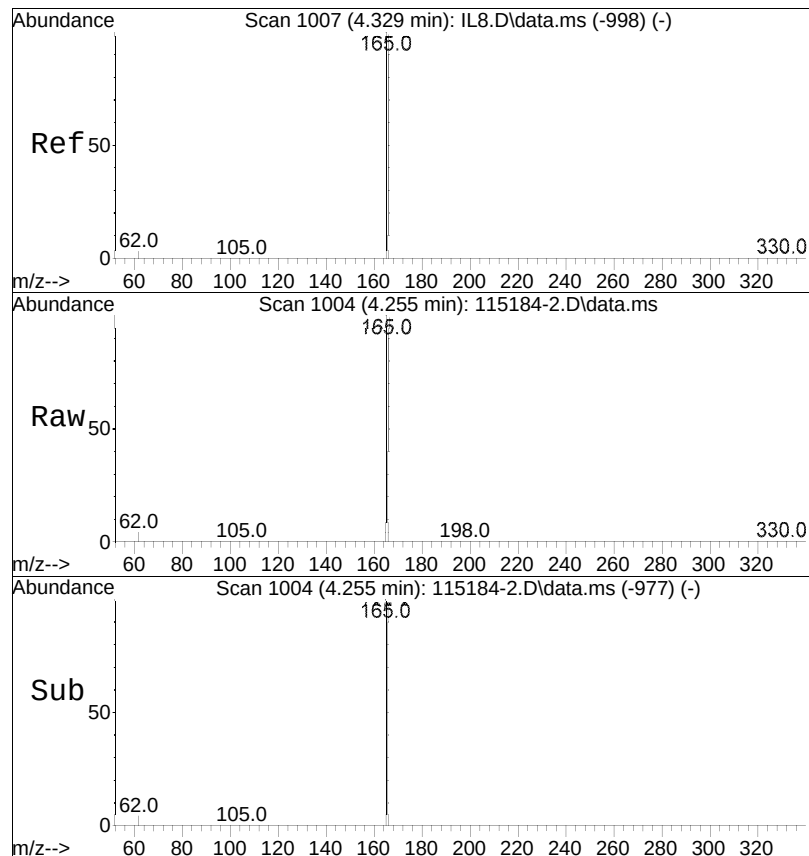




#19
 Acenaphthene
 Concen: 1558.80 ng/ml
 RT: 3.963 min Scan# 911
 Delta R.T. -0.004 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

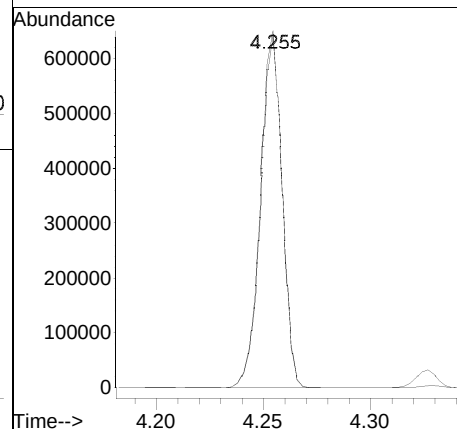
Tgt	Ion:153	Resp:	367884
Ion	Ratio	Lower	Upper
153	100		
154	85.5	72.2	108.4

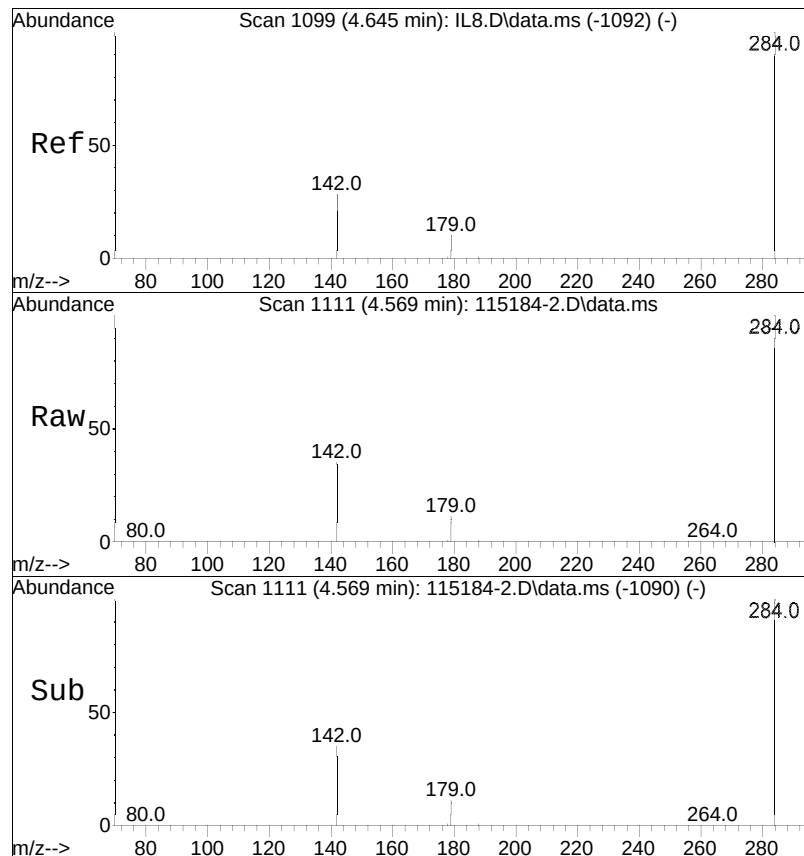




#21
 Fluorene
 Concen: 1683.54 ng/ml
 RT: 4.255 min Scan# 1004
 Delta R.T. -0.001 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

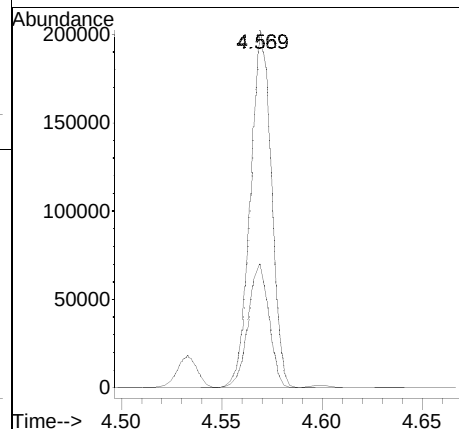
Tgt	Ion	Ratio	Resp	Lower	Upper
166	100		444925		
165	102.2	81.5	122.3		

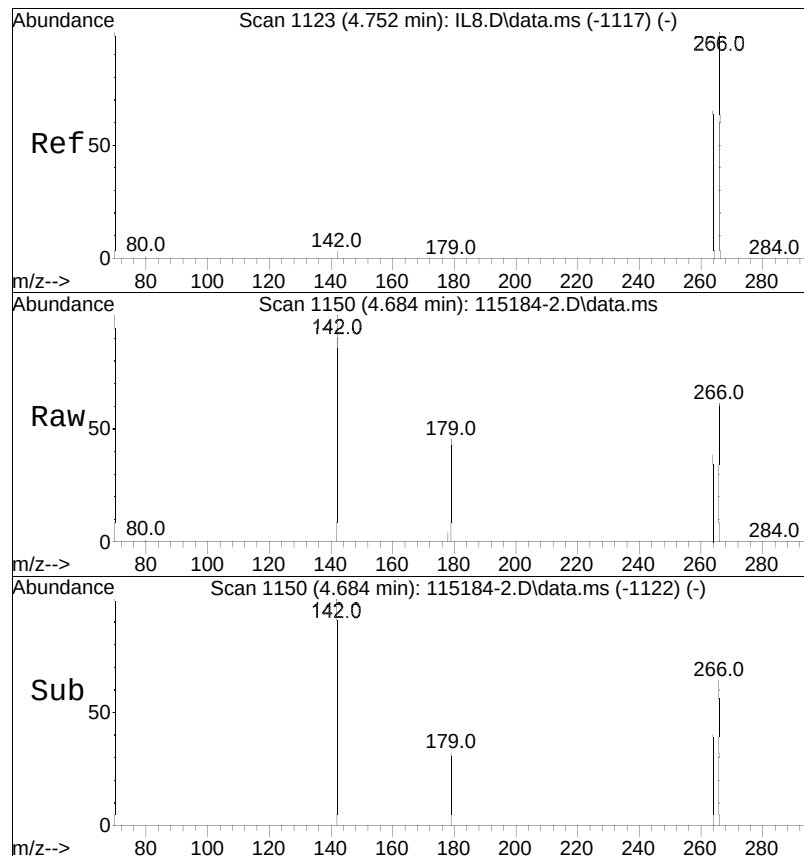




#25
 Hexachlorobenzene
 Concen: 1736.29 ng/ml
 RT: 4.569 min Scan# 1111
 Delta R.T. -0.004 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

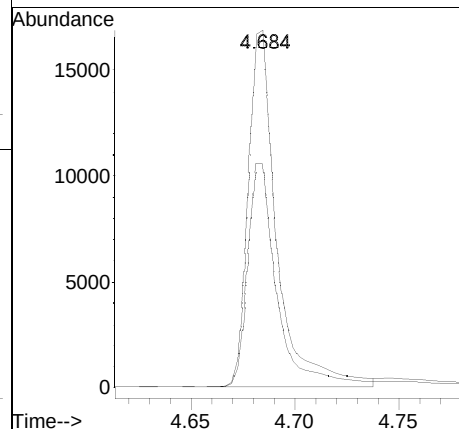
Tgt Ion: 284 Resp: 145493
 Ion Ratio Lower Upper
 284 100
 142 34.4 29.4 44.2

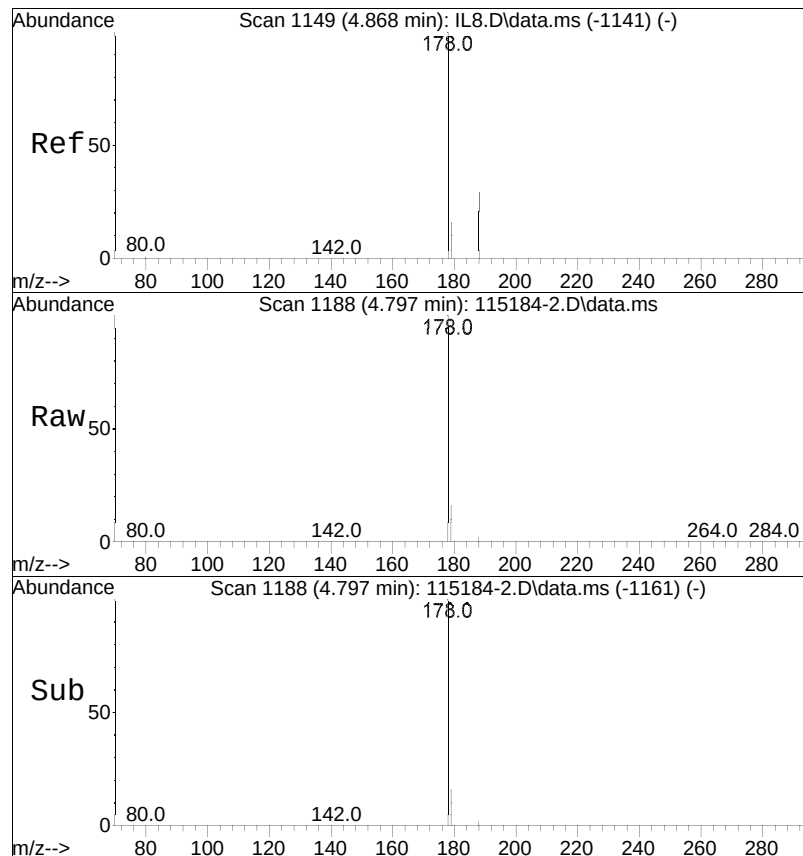




#26
 Pentachlorophenol
 Concen: 612.99 ng/ml
 RT: 4.684 min Scan# 1150
 Delta R.T. 0.002 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

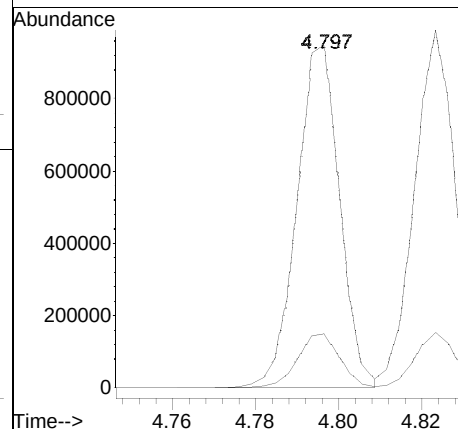
Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.0	49.9	74.9

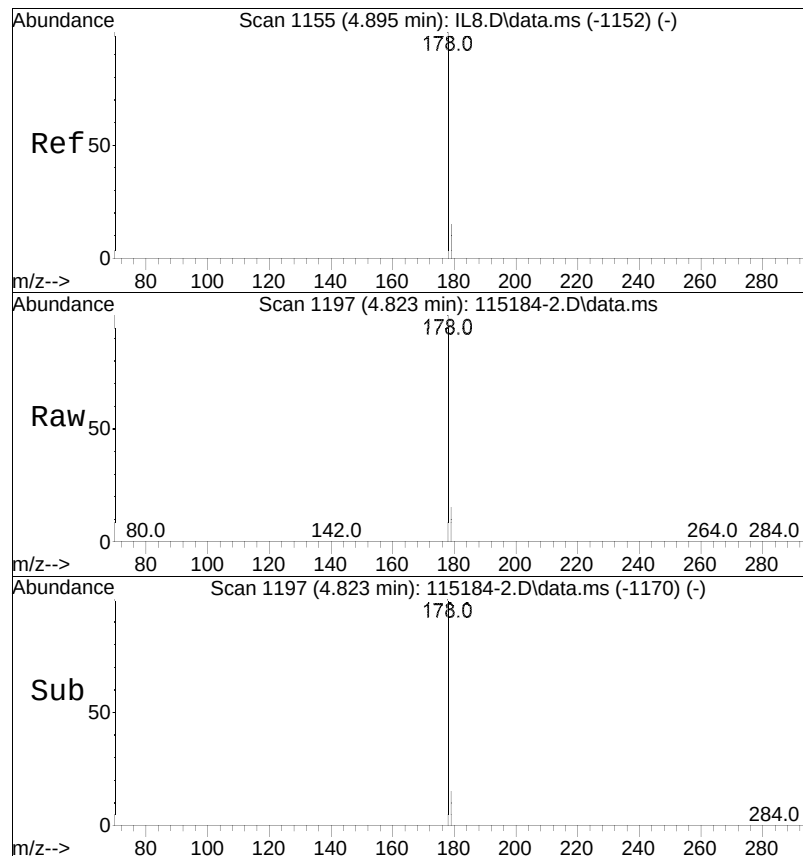




#27
 Phenanthrene
 Concen: 1532.72 ng/ml
 RT: 4.797 min Scan# 1188
 Delta R.T. -0.001 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

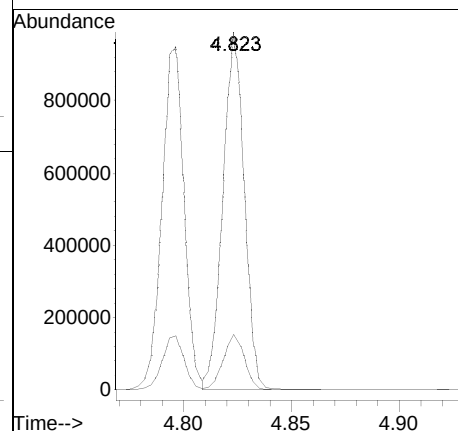
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

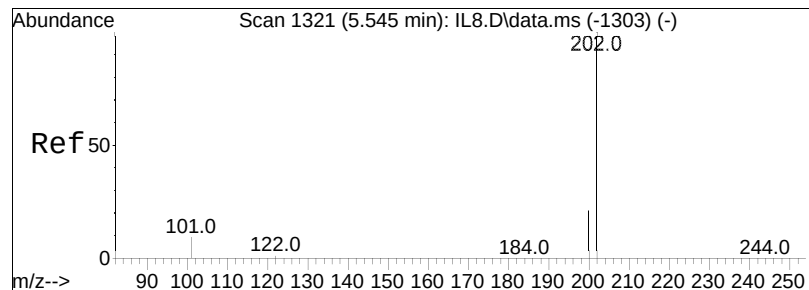




#28
 Anthracene
 Concen: 1618.46 ng/ml
 RT: 4.823 min Scan# 1197
 Delta R.T. -0.001 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

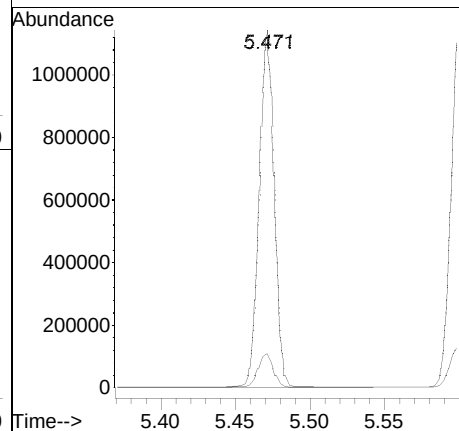
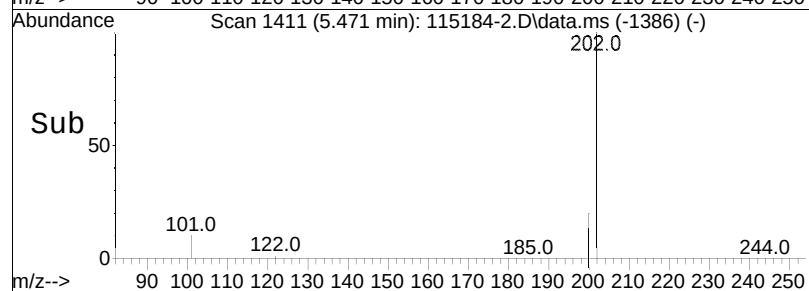
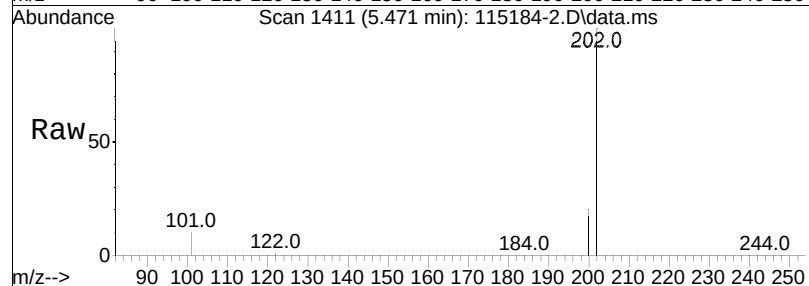
Tgt	Ion	Ratio	Lower	Upper
178	100			
179	15.4	12.3	18.5	

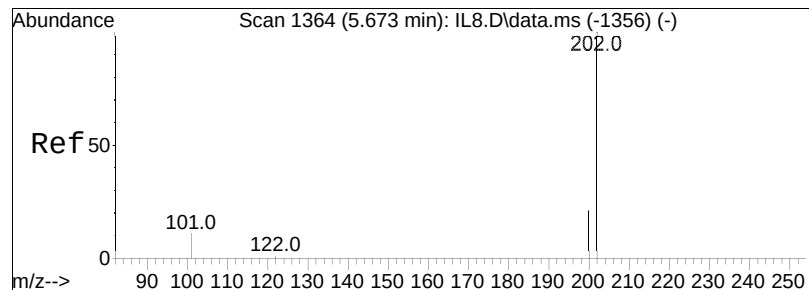




#29
 Fluoranthene
 Concen: 1679.09 ng/ml
 RT: 5.471 min Scan# 1411
 Delta R.T. -0.007 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

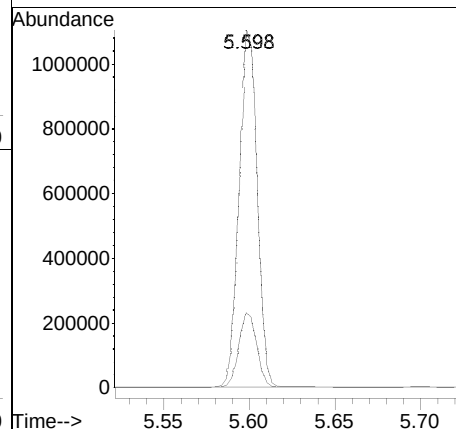
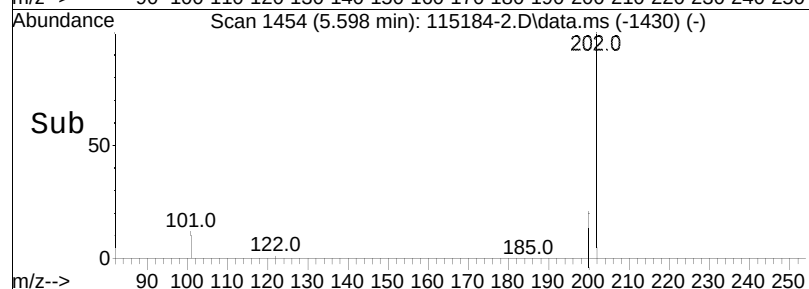
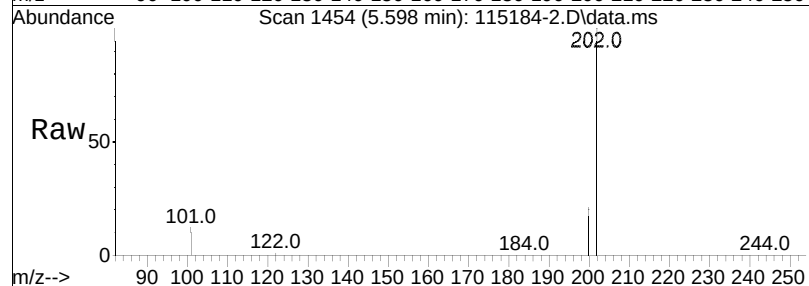
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	9.7	8.3	12.5	

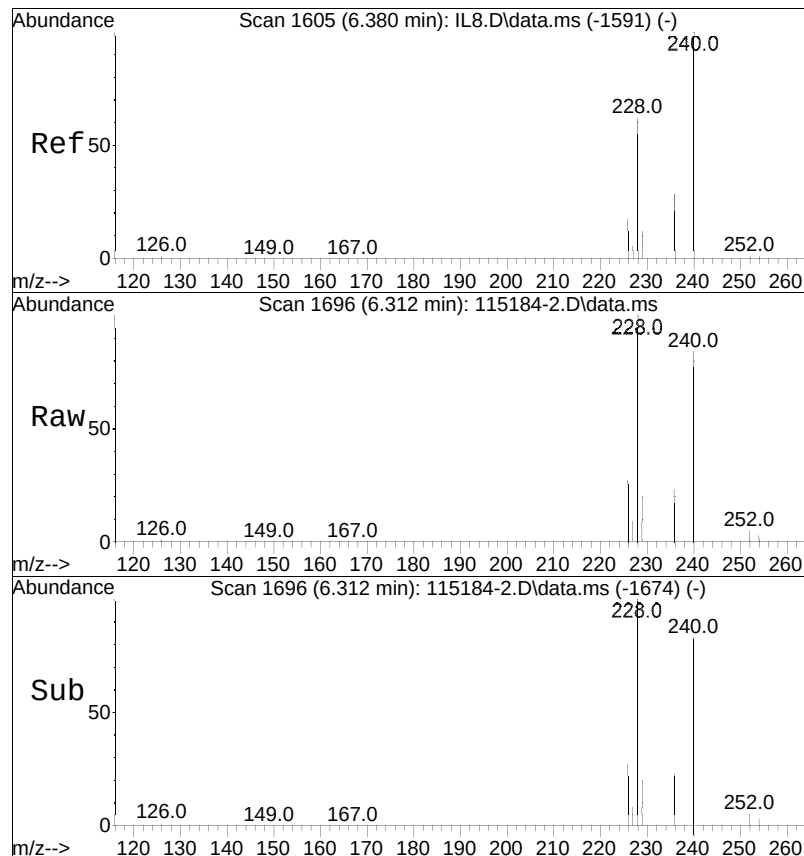




#30
 Pyrene
 Concen: 1640.32 ng/ml
 RT: 5.598 min Scan# 1454
 Delta R.T. -0.010 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

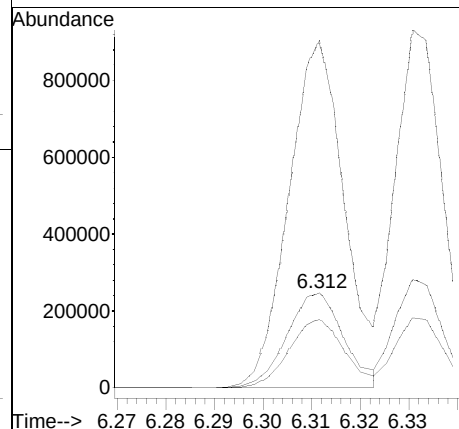
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2

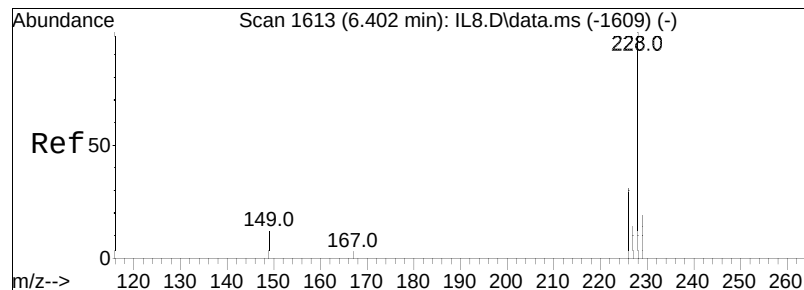




#34
 Benzo[a]anthracene
 Concen: 1760.18 ng/ml
 RT: 6.312 min Scan# 1696
 Delta R.T. -0.020 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

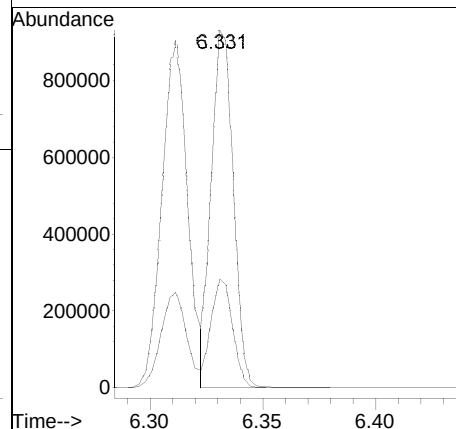
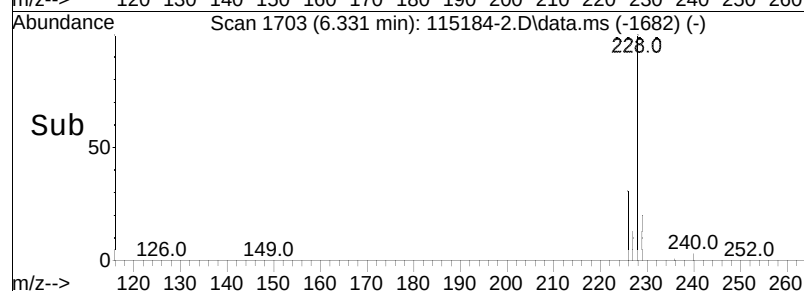
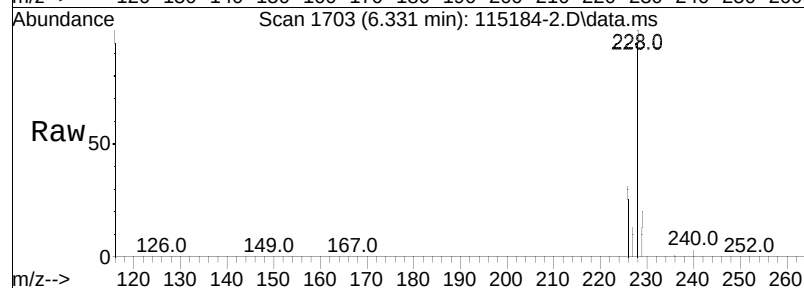
Tgt	Ion	Ratio	Lower	Upper
226	100			
229	70.3	56.4	84.6	
228	357.4	287.5	431.3	
229	70.3	56.4	84.6	

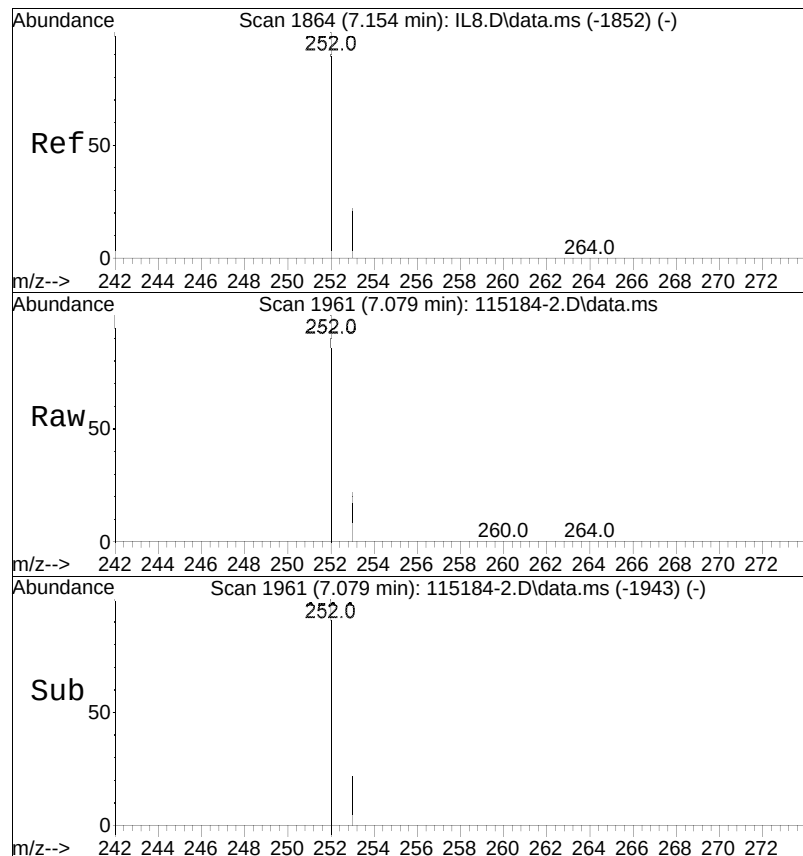




#36
 Chrysene
 Concen: 1665.17 ng/ml
 RT: 6.331 min Scan# 1703
 Delta R.T. -0.023 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

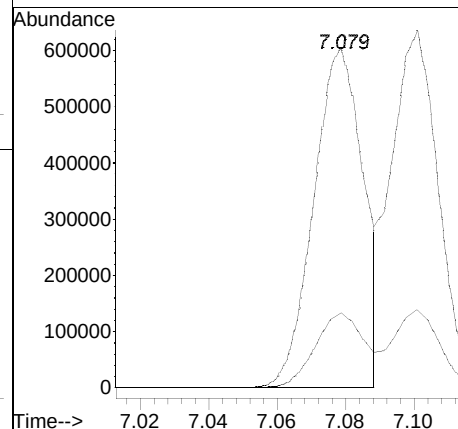
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5

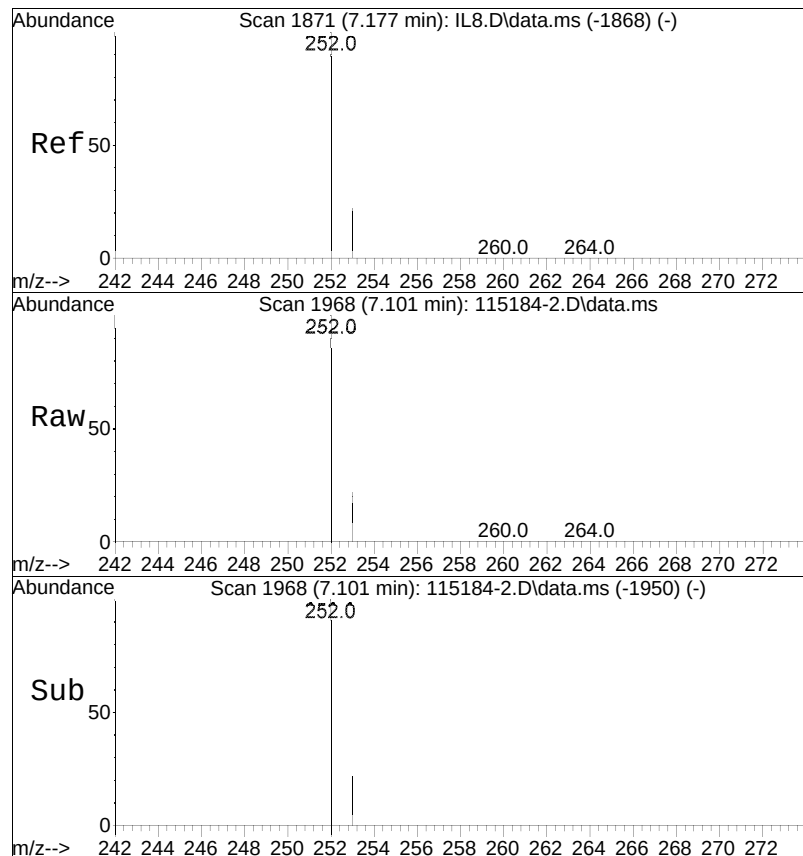




#39
 Benzo[b]fluoranthene
 Concen: 1803.47 ng/ml
 RT: 7.079 min Scan# 1961
 Delta R.T. -0.023 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

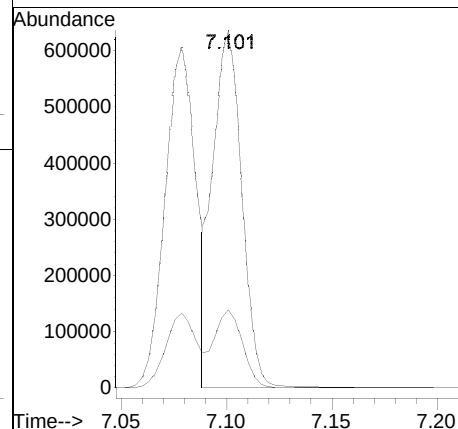
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.6	19.2	28.8	

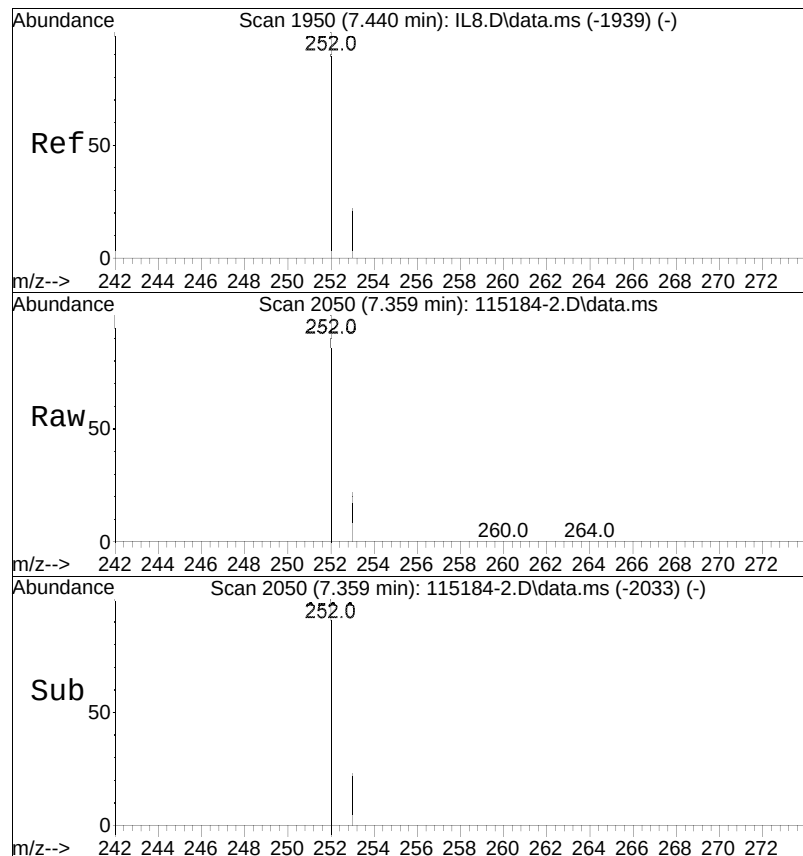




#40
 Benzo[k]fluoranthene
 Concen: 1741.16 ng/ml
 RT: 7.101 min Scan# 1968
 Delta R.T. -0.023 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

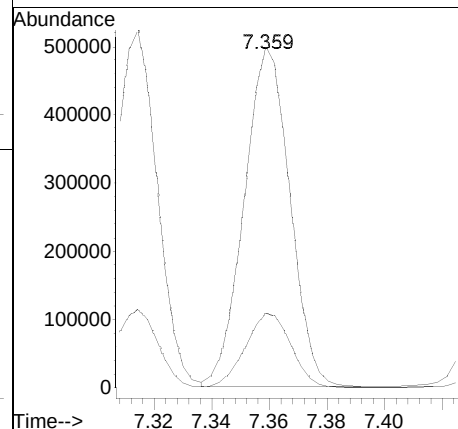
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	22.0	15.8	23.8	

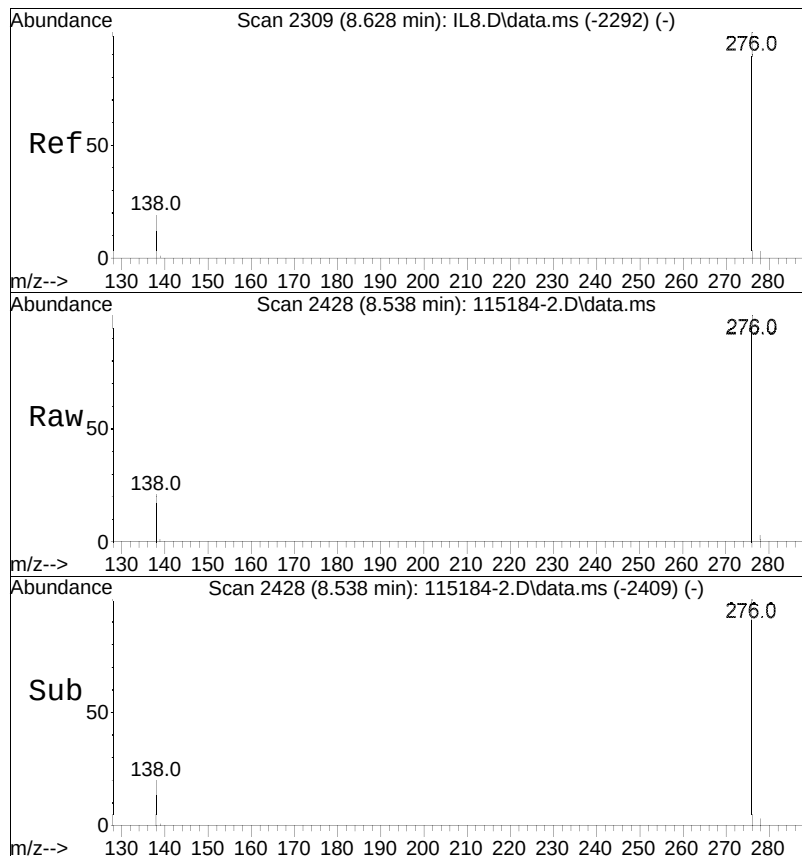




#41
 Benzo[a]pyrene
 Concen: 1808.81 ng/ml
 RT: 7.359 min Scan# 2050
 Delta R.T. -0.026 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

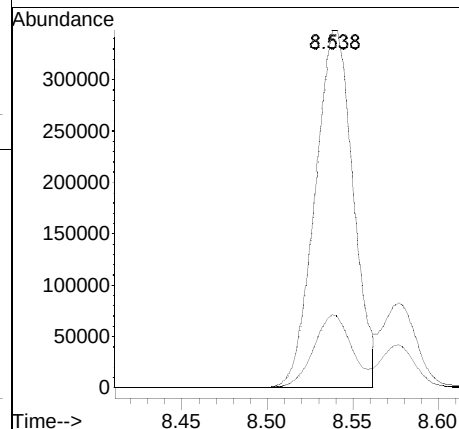
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.8	17.4	26.0	

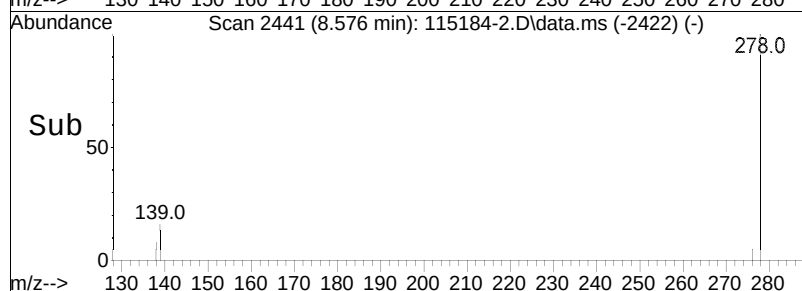
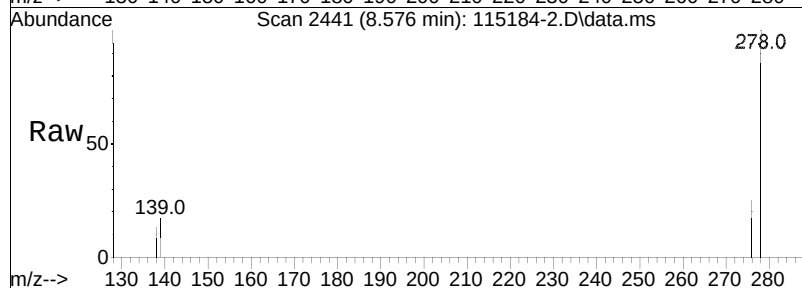
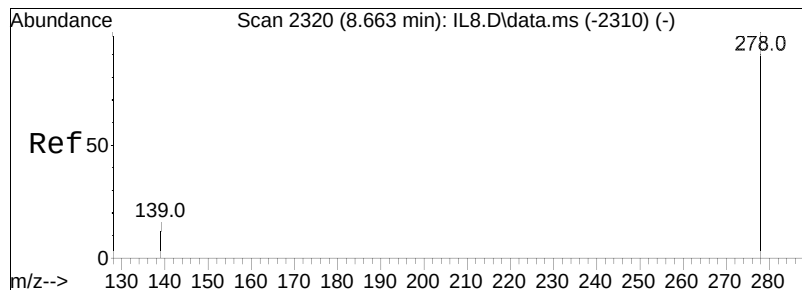




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1872.40 ng/ml
 RT: 8.538 min Scan# 2428
 Delta R.T. -0.025 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

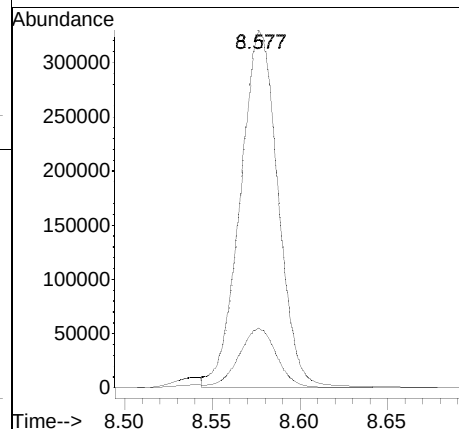
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	15.9	23.9

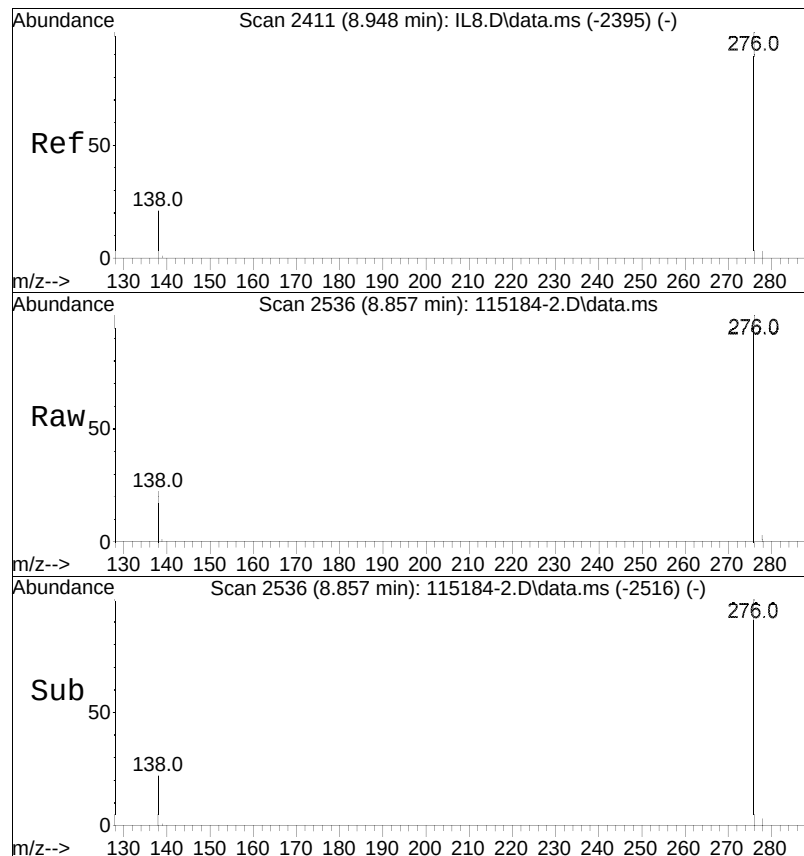




#43
 Dibenzo[a,h]anthracene
 Concen: 1734.89 ng/ml M6
 RT: 8.576 min Scan# 2441
 Delta R.T. -0.025 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

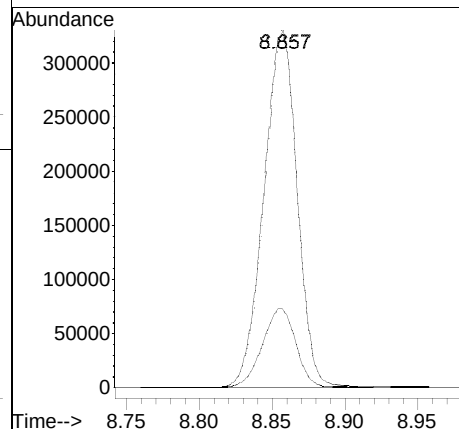
Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.8	20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1756.64 ng/ml
 RT: 8.857 min Scan# 2536
 Delta R.T. -0.022 min
 Lab File: 115184-2.D
 Acq: 20 Sep 2025 04:13 pm

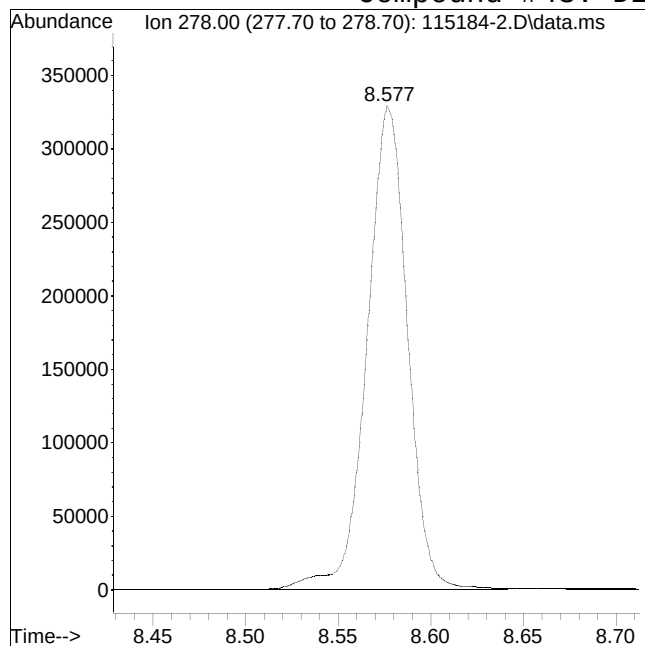
Tgt	Ion:276	Resp:	517248
Ion	Ratio	Lower	Upper
276	100		
138	22.2	18.1	27.1



Manual Integration Report

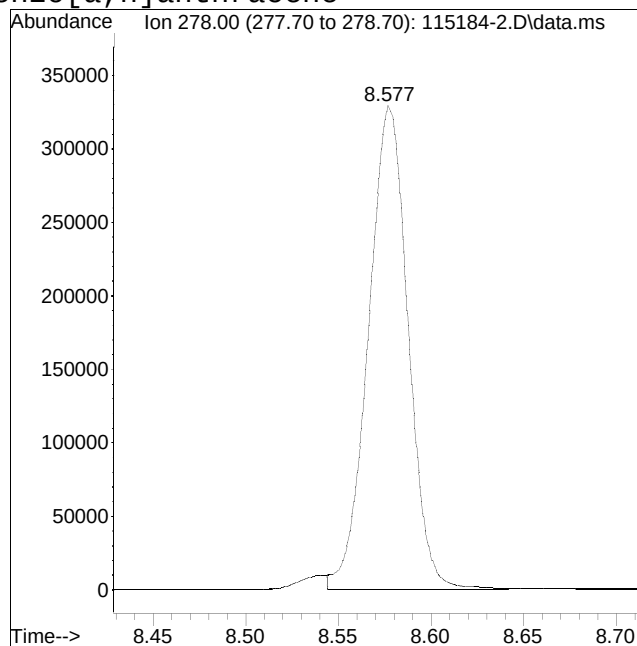
Data Path : I:\8270SIM\SV125\250920RVTQMethod : SIM-RVT_250908_sv125.M
Data File : 115184-2.D Operator : SV125:rp
Date Inj'd : 9/20/2025 4:13 pm Instrument : SV125
Sample : WG2115184-2,32,,rp Quant Date : 9/20/2025 4:30 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 501836

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 491320 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250920RVT\
 Data File : 115184-3.D
 Acq On : 20 Sep 2025 04:30 pm
 Operator : SV125:rp
 Sample : WG2115184-3,32,,rp
 Misc : WG2117439,WG2115184,ical22616
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 21:05:06 2025
 Quant Method : I:\8270sim\SV125\250920RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 20 14:13:26 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250920RVT\ccv0920.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.312	152	299270	4000.000	ng/ml	0.00
Standard Area 1 = 224518			Recovery	=	133.29%	
9) Naphthalene-d8	2.974	136	1251769	4000.000	ng/ml	0.00
Standard Area 1 = 902324			Recovery	=	138.73%	
18) Acenaphthene-d10	3.945	164	731486	4000.000	ng/ml	0.00
Standard Area 1 = 528079			Recovery	=	138.52%	
23) Phenanthrene-d10	4.782	188	1506201	4000.000	ng/ml	0.00
Standard Area 1 = 1167456			Recovery	=	129.02%	
33) Chrysene-d12	6.314	240	1156507	4000.000	ng/ml	-0.03
Standard Area 1 = 1056075			Recovery	=	109.51%	
38) Perylene-d12	7.415	264	1037809	4000.000	ng/ml	-0.03
Standard Area 1 = 1005911			Recovery	=	103.17%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.724	112	112398	1520.926	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	76.05%	
4) Phenol-d6	2.129	99	107161	1173.735	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	58.69%	
8) Nitrobenzene-d5	2.591	82	86762	1190.046	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	119.00%	
14) 2-Fluorobiphenyl	3.572	172	233097	912.462	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	91.25%	
22) 2,4,6-Tribromophenol	4.390	330	52326	1924.071	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	96.20%	
32) 4-Terphenyl-d14	5.699	244	267984	887.803	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	88.78%	
Target Compounds						
						Qvalue
7) Hexachloroethane	2.569	117	49074	1306.908	ng/ml	93
10) Naphthalene	2.983	128	486957	1471.134	ng/ml	99
11) Hexachlorobutadiene	3.060	225	81423	1484.761	ng/ml	99
12) 2-Methylnaphthalene	3.364	142	322113	1667.351	ng/ml	99
15) 2-Chloronaphthalene	3.631	162	360932	1664.697	ng/ml	91
17) Acenaphthylene	3.862	152	625271	1824.070	ng/ml	100
19) Acenaphthene	3.963	153	394877	1688.539	ng/ml	95
21) Fluorene	4.255	166	472187	1803.103	ng/ml	100
25) Hexachlorobenzene	4.569	284	153192	1873.302	ng/ml	96
26) Pentachlorophenol	4.681	266	28009	1010.624	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250920RVT\
 Data File : 115184-3.D
 Acq On : 20 Sep 2025 04:30 pm
 Operator : SV125:rp
 Sample : WG2115184-3,32,,rp
 Misc : WG2117439,WG2115184,ical22616
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 21:05:06 2025
 Quant Method : I:\8270sim\SV125\250920RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 20 14:13:26 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250920RVT\ccv0920.D
 Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27)	Phenanthrene	4.794	178	710598	1651.717	ng/ml	100
28)	Anthracene	4.823	178	707319	1723.408	ng/ml	100
29)	Fluoranthene	5.471	202	821751	1766.233	ng/ml	99
30)	Pyrene	5.598	202	823402	1724.305	ng/ml	100
34)	Benzo[a]anthracene	6.309	226	207012	1861.058	ng/ml	99
36)	Chrysene	6.328	228	637132	1734.861	ng/ml	99
39)	Benzo[b]fluoranthene	7.075	252	675042	2056.151	ng/ml	95
40)	Benzo[k]fluoranthene	7.097	252	571387	1717.536	ng/ml	95
41)	Benzo[a]pyrene	7.358	252	561280	1934.062	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.538	276	553112	2005.897	ng/ml	100
43)	Dibenzo[a,h]anthracene	8.576	278	501746M6	1835.227	ng/ml	
44)	Benzo[g,h,i]perylene	8.854	276	526937	1853.705	ng/ml	99

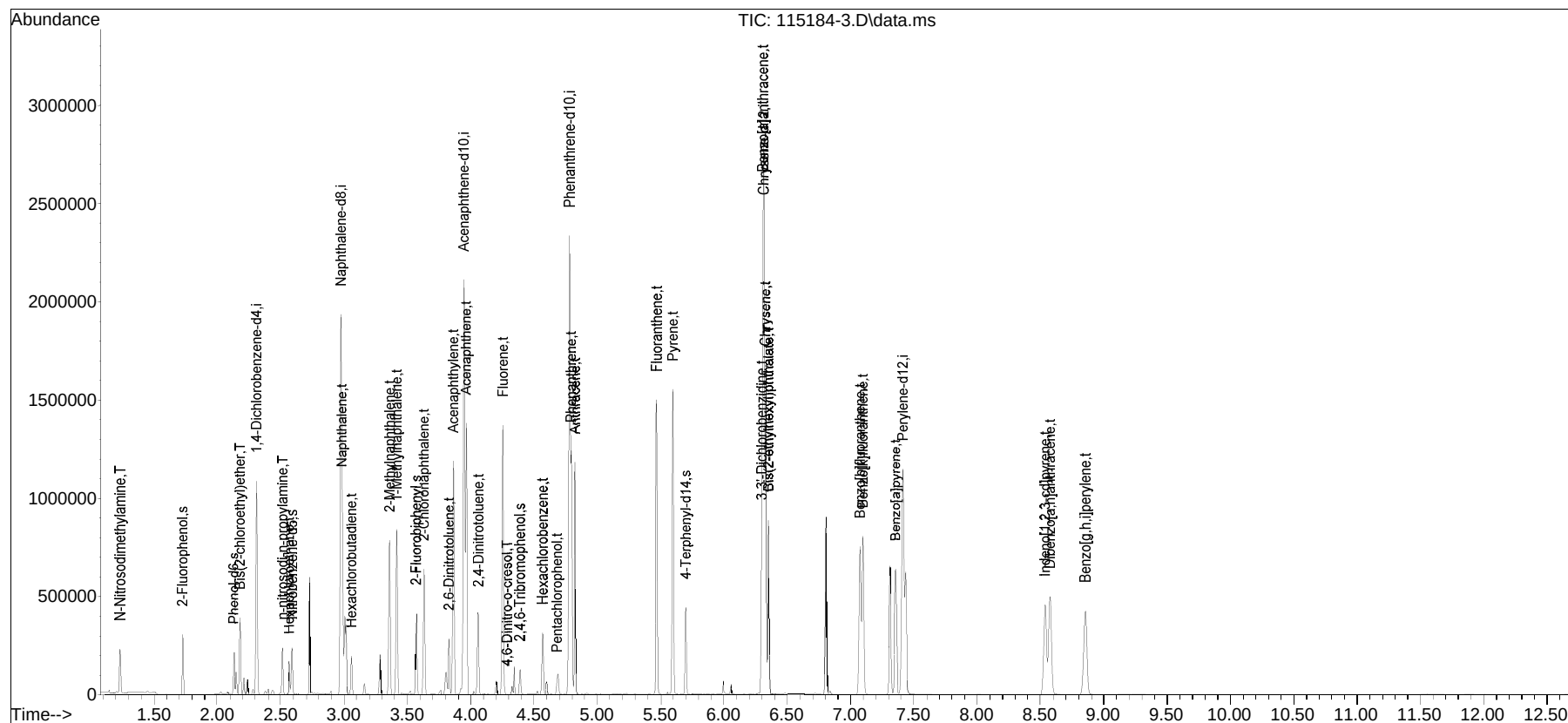
(#) = qualifier out of range (m) = manual integration (+) = signals summed

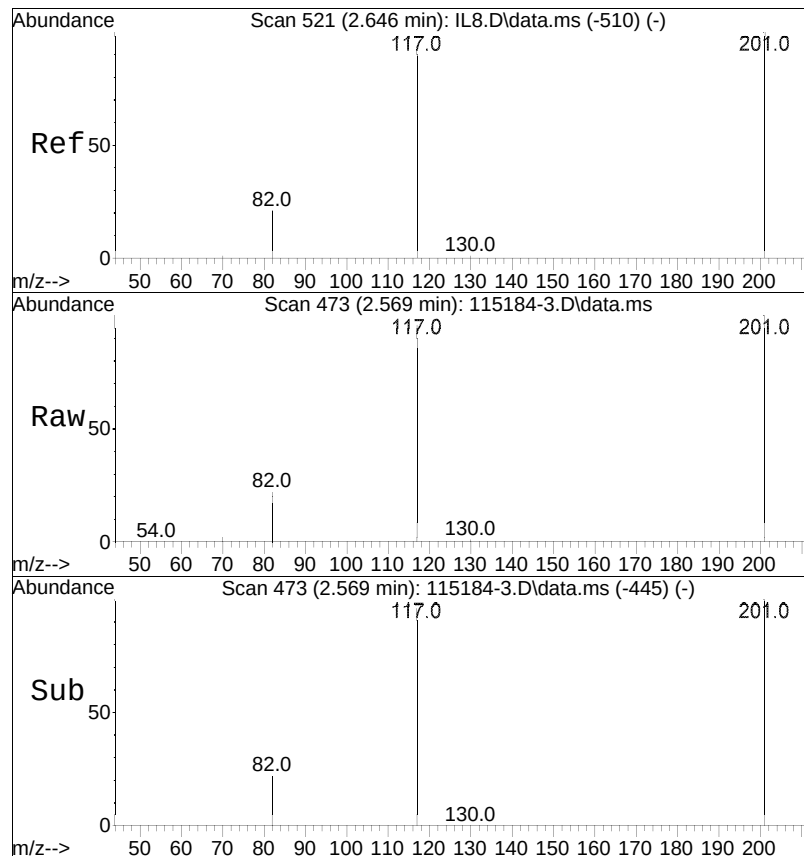
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250920RVT\
 Data File : 115184-3.D
 Acq On : 20 Sep 2025 04:30 pm
 Operator : SV125:rp
 Sample : WG2115184-3,32,,rp
 Misc : WG2117439,WG2115184,ical22616
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 21:05:06 2025
 Quant Method : I:\8270sim\SV125\250920RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 20 14:13:26 2025
 Response via : Initial Calibration

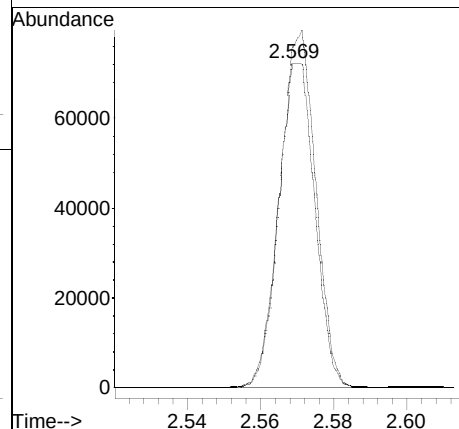
Sub List : DEFAULT - All compounds listed\ccv0920.D•

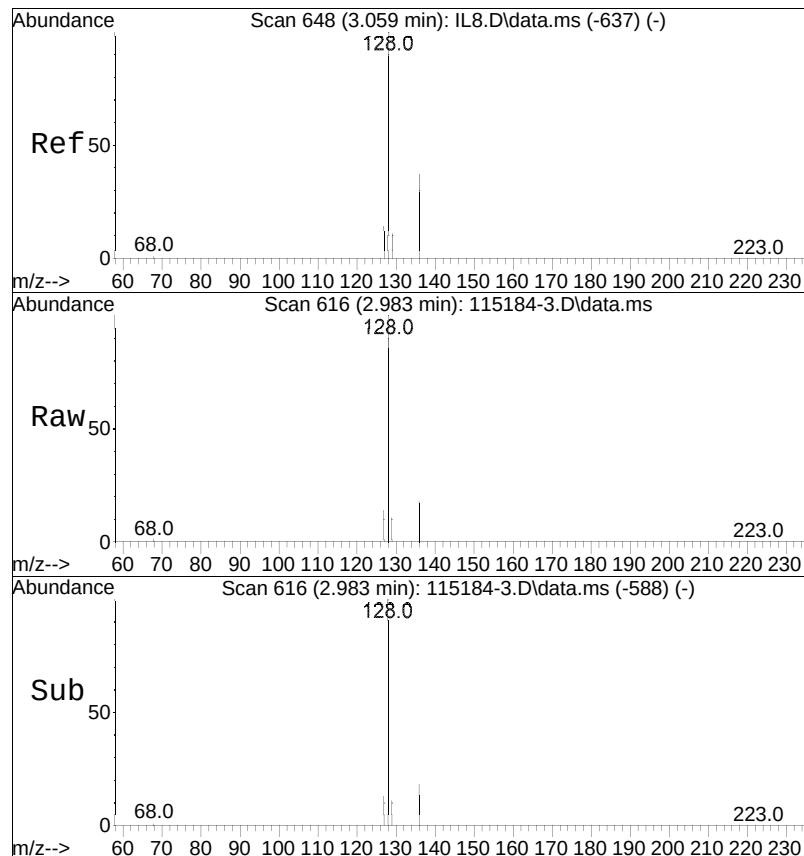




#7
 Hexachloroethane
 Concen: 1306.91 ng/ml
 RT: 2.569 min Scan# 473
 Delta R.T. -0.001 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

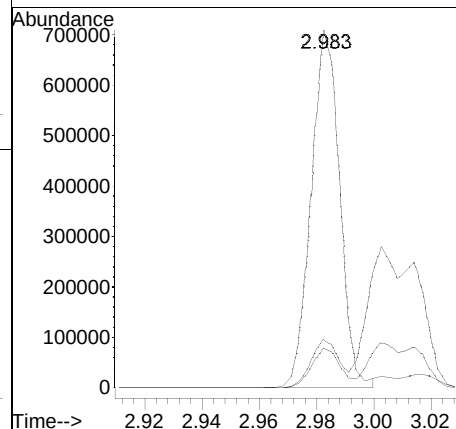
Tgt Ion	Ratio	Lower	Upper
117	100		
201	107.6	80.2	120.2

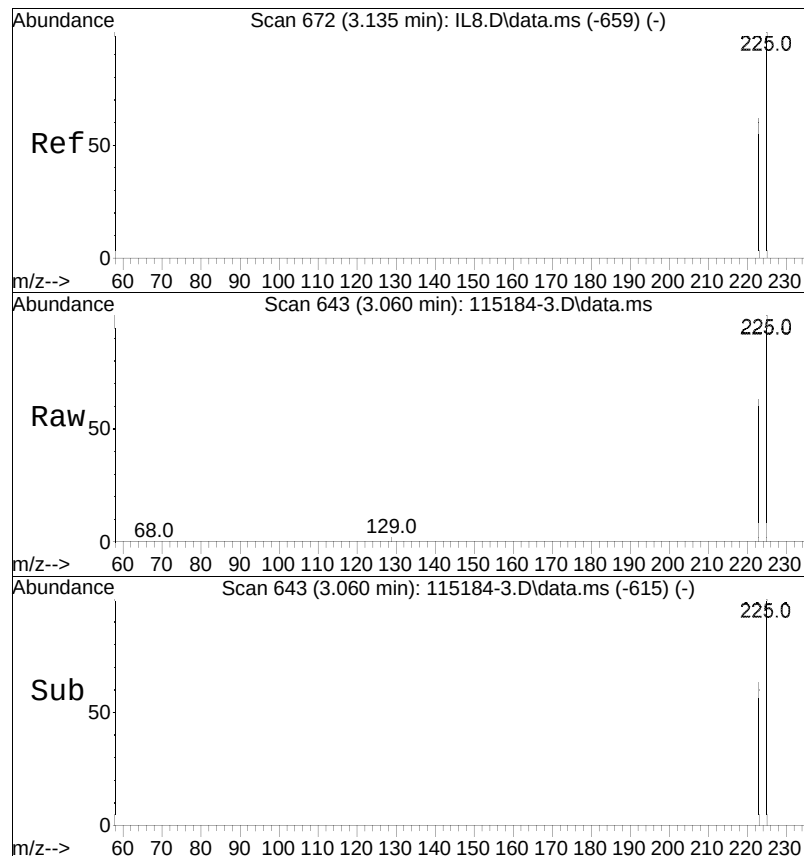




#10
 Naphthalene
 Concen: 1471.13 ng/ml
 RT: 2.983 min Scan# 616
 Delta R.T. -0.001 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

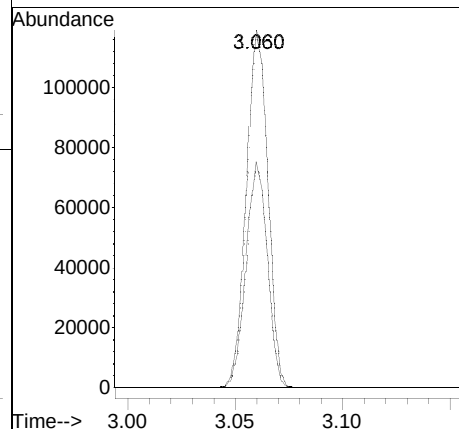
Tgt	Ion:128	Resp:	486957
Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	13.7	10.6	15.8

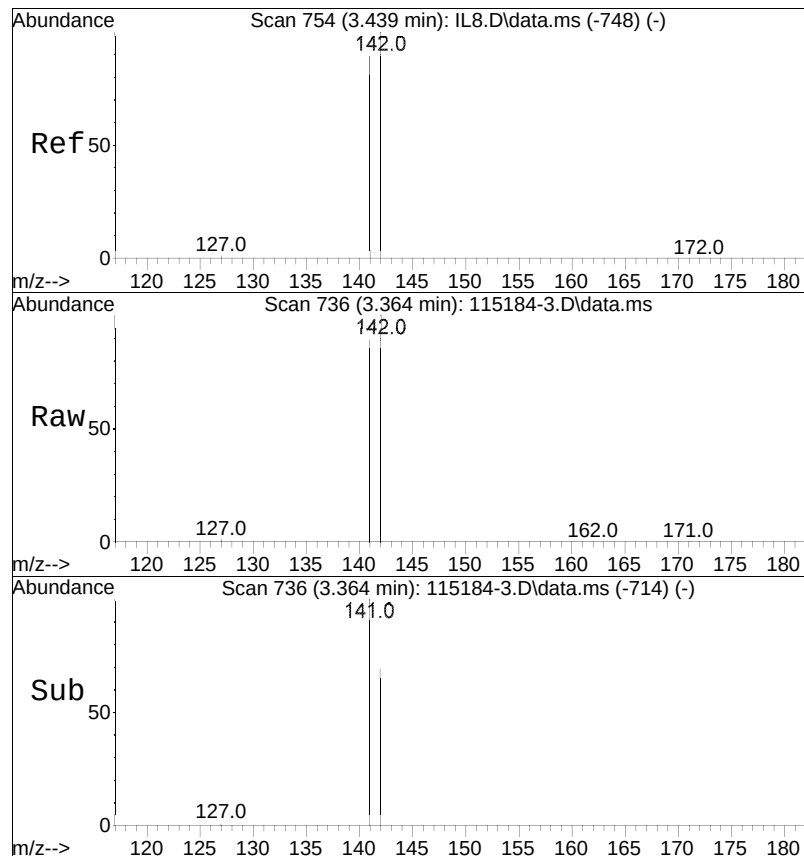




#11
 Hexachlorobutadiene
 Concen: 1484.76 ng/ml
 RT: 3.060 min Scan# 643
 Delta R.T. -0.001 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

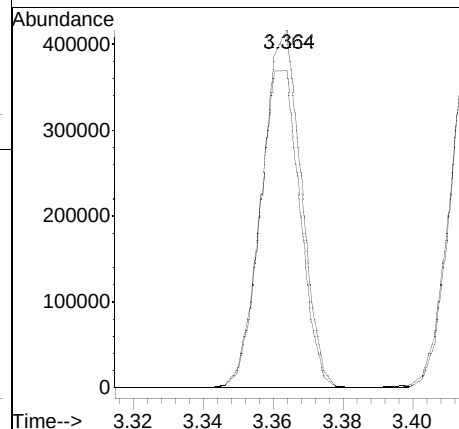
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	75.8

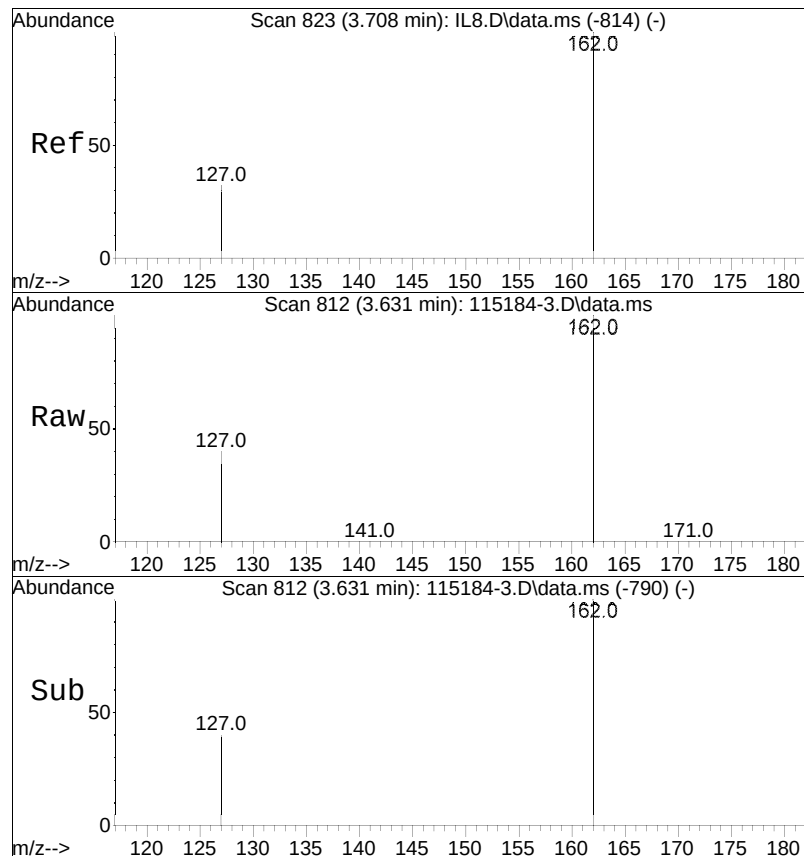




#12
 2-Methylnaphthalene
 Concen: 1667.35 ng/ml
 RT: 3.364 min Scan# 736
 Delta R.T. -0.001 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

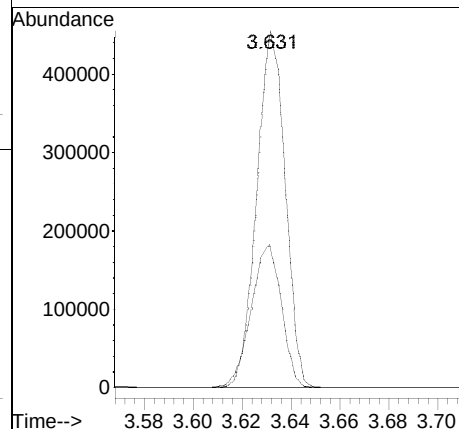
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	74.2	111.4

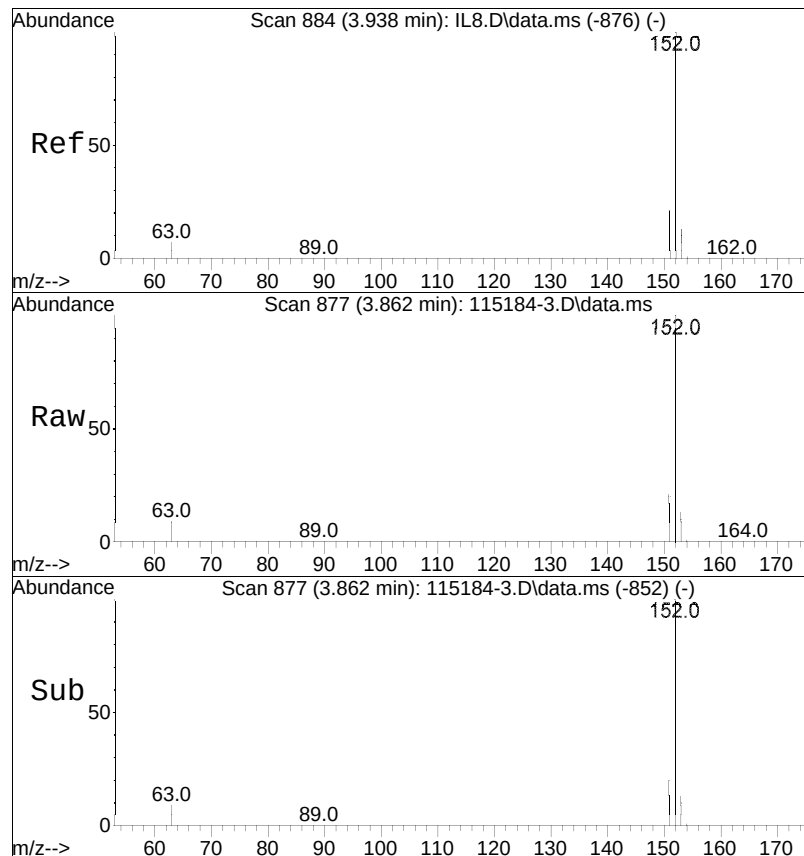




#15
 2-Chloronaphthalene
 Concen: 1664.70 ng/ml
 RT: 3.631 min Scan# 812
 Delta R.T. -0.001 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

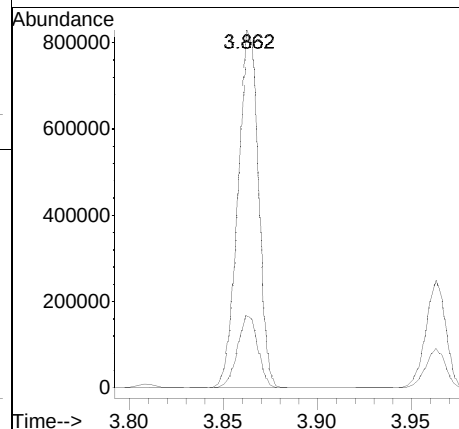
Tgt Ion:	162	Resp:	360932
Ion Ratio	Lower	Upper	
162	100		
127	42.8	30.0	45.0

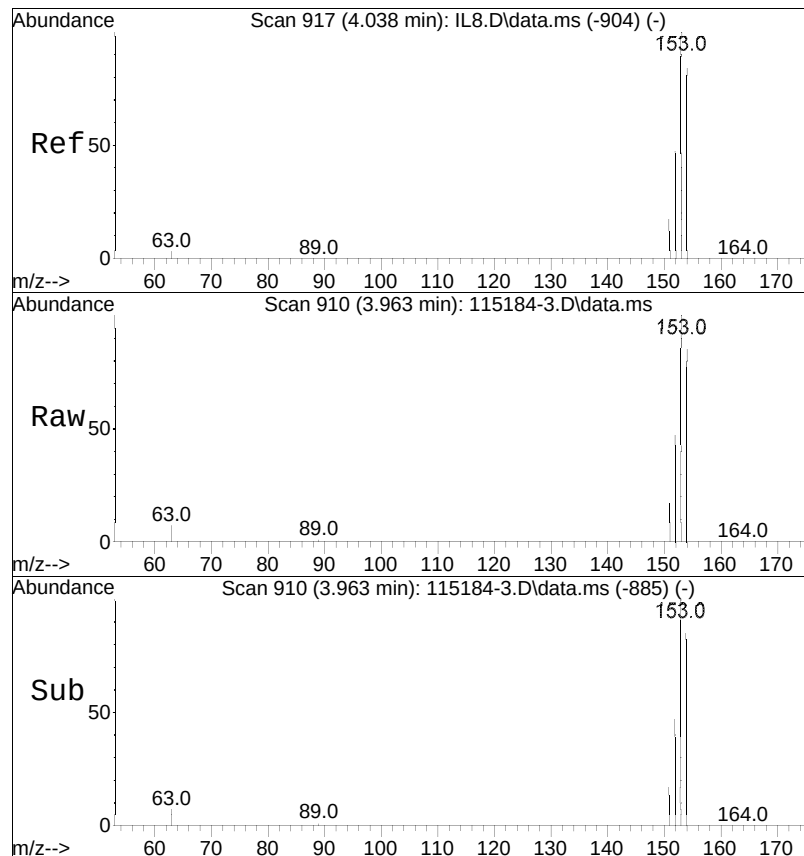




#17
 Acenaphthylene
 Concen: 1824.07 ng/ml
 RT: 3.862 min Scan# 877
 Delta R.T. -0.004 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

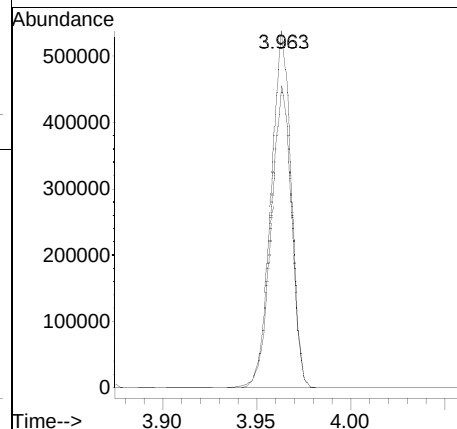
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1

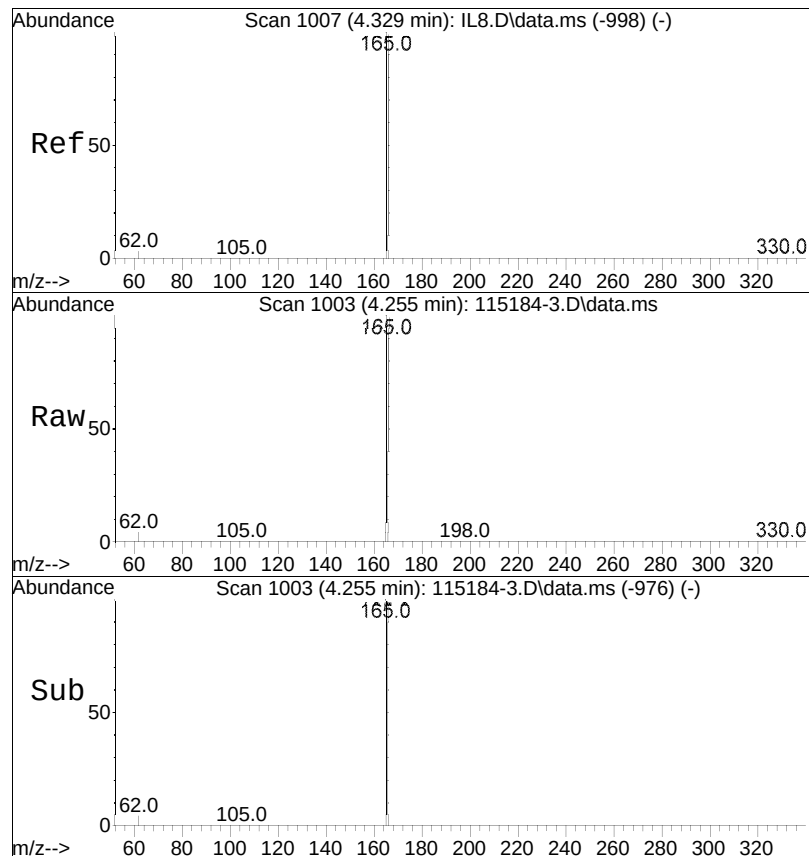




#19
 Acenaphthene
 Concen: 1688.54 ng/ml
 RT: 3.963 min Scan# 910
 Delta R.T. -0.004 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

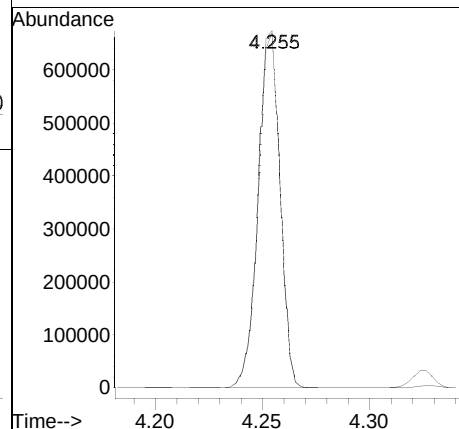
Tgt	Ion	Ratio	Lower	Upper
153	100			
154	85.6	72.2	108.4	

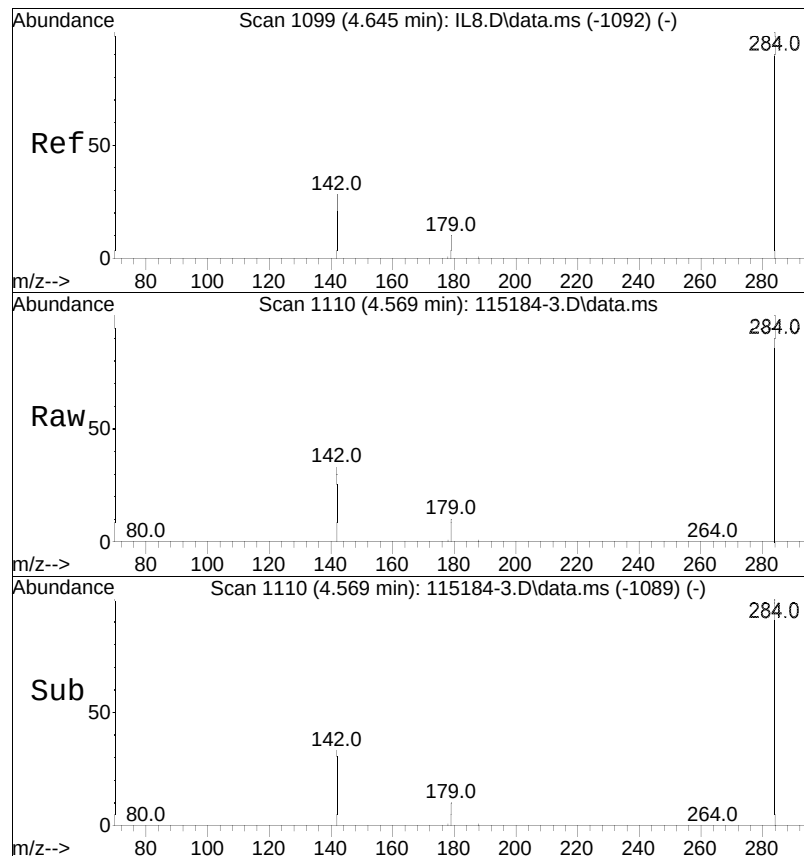




#21
 Fluorene
 Concen: 1803.10 ng/ml
 RT: 4.255 min Scan# 1003
 Delta R.T. -0.001 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

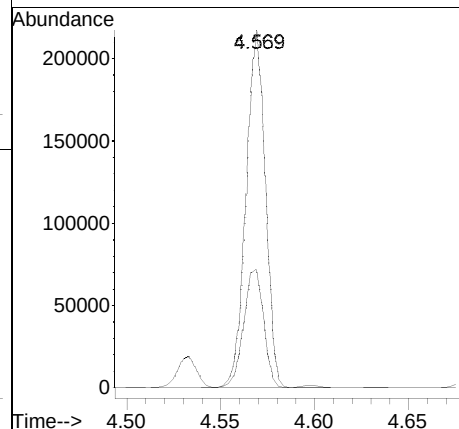
Tgt	Ion	Ratio	Lower	Upper
166	100			
165	101.7	81.5	122.3	

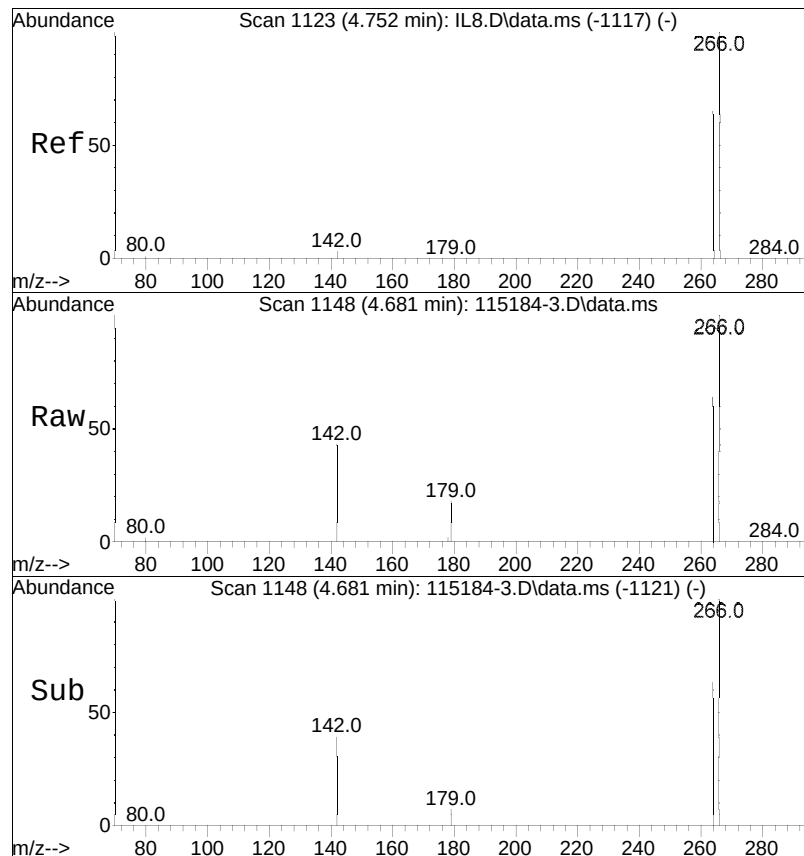




#25
 Hexachlorobenzene
 Concen: 1873.30 ng/ml
 RT: 4.569 min Scan# 1110
 Delta R.T. -0.004 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

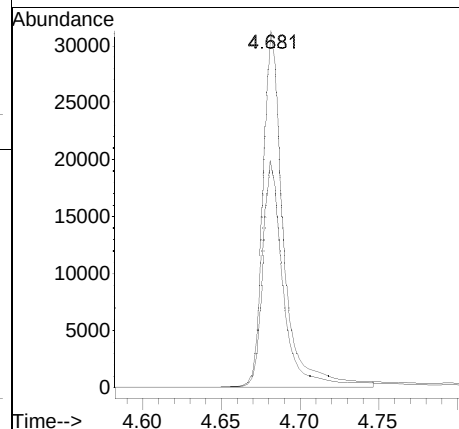
Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.3	29.4	44.2

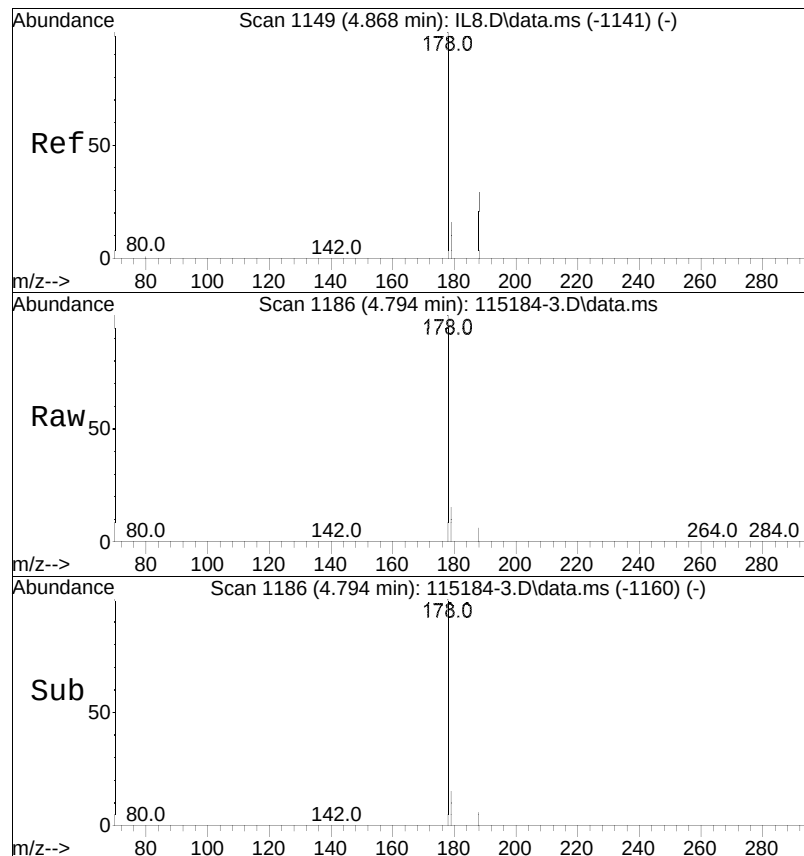




#26
 Pentachlorophenol
 Concen: 1010.62 ng/ml
 RT: 4.681 min Scan# 1148
 Delta R.T. -0.001 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

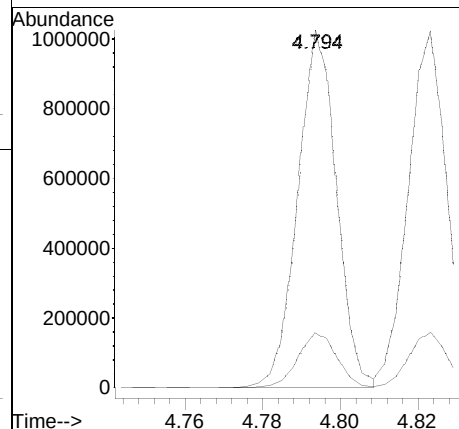
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	28009		
264	63.9		49.9	74.9

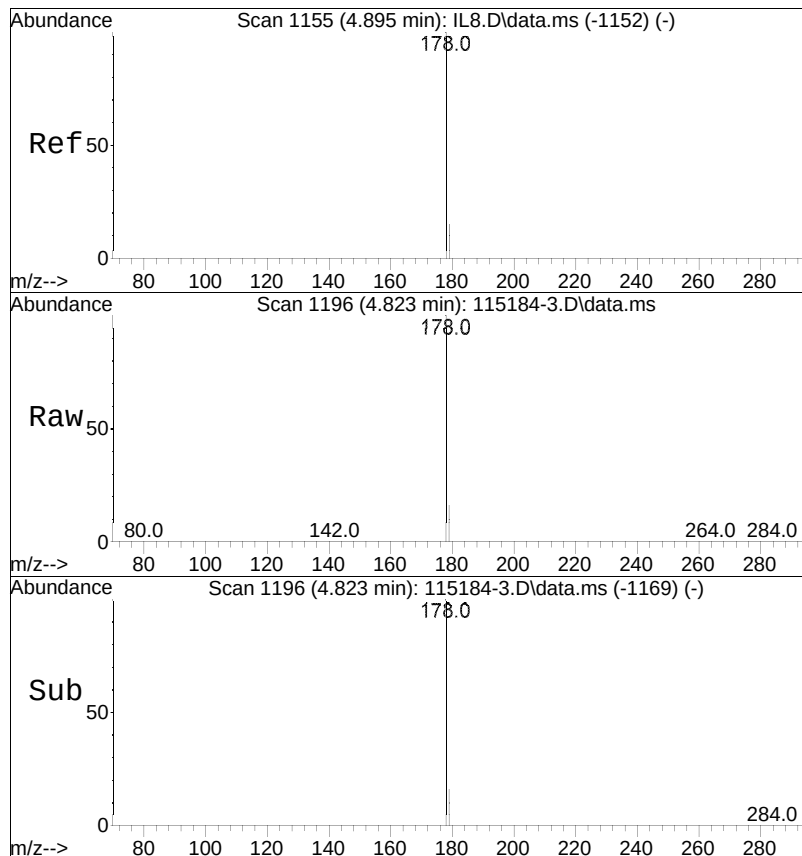




#27
 Phenanthrene
 Concen: 1651.72 ng/ml
 RT: 4.794 min Scan# 1186
 Delta R.T. -0.004 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

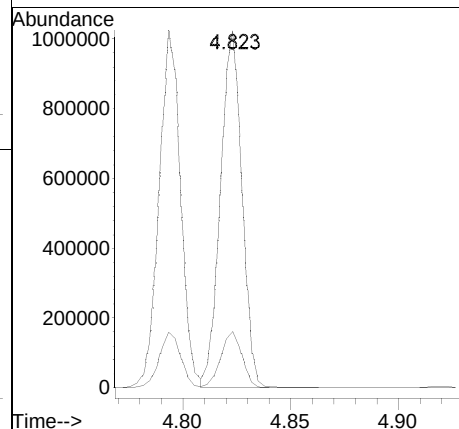
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

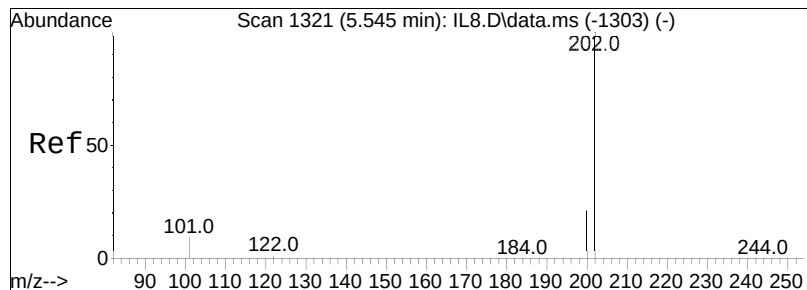




#28
 Anthracene
 Concen: 1723.41 ng/ml
 RT: 4.823 min Scan# 1196
 Delta R.T. -0.001 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5





#29

Fluoranthene

Concen: 1766.23 ng/ml

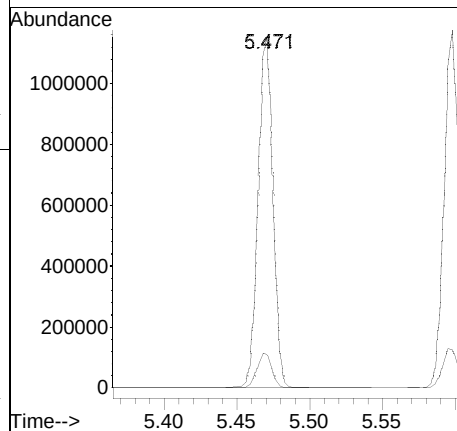
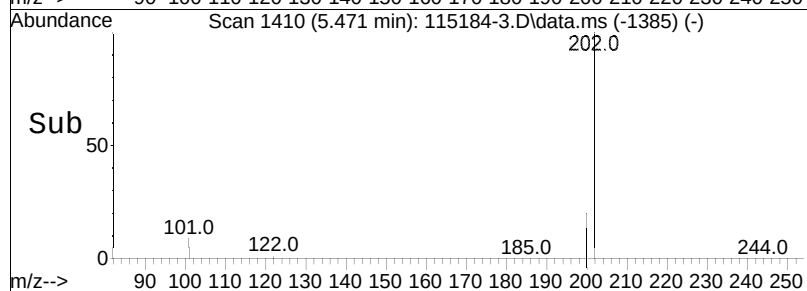
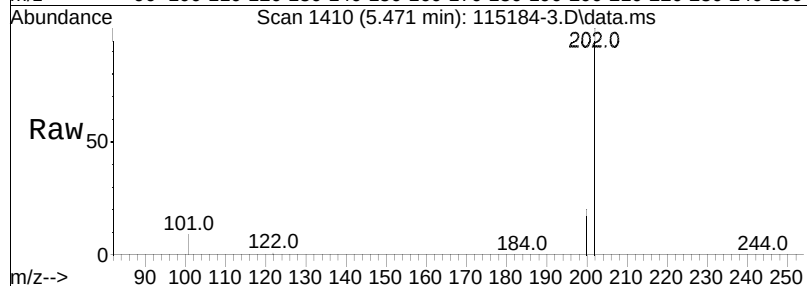
RT: 5.471 min Scan# 1410

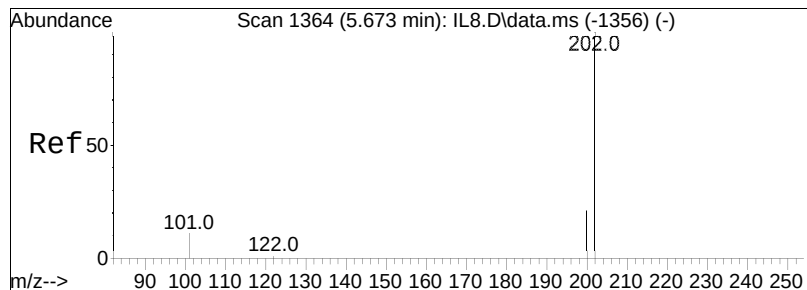
Delta R.T. -0.007 min

Lab File: 115184-3.D

Acq: 20 Sep 2025 04:30 pm

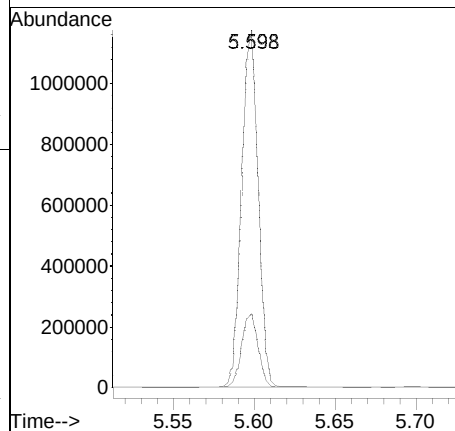
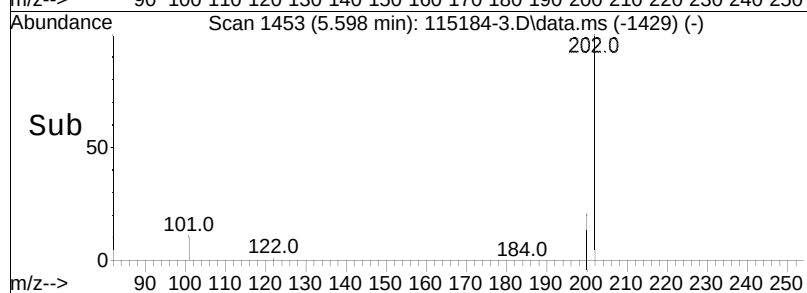
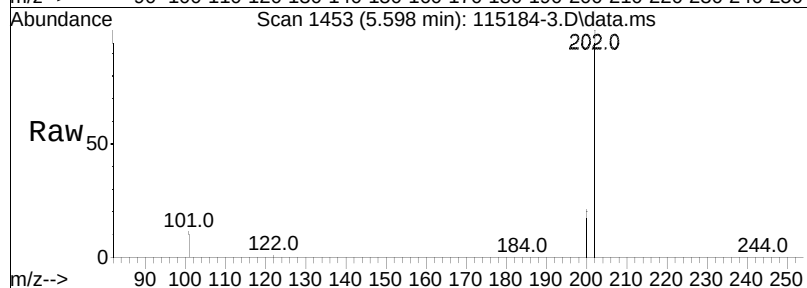
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	9.8	8.3	12.5	

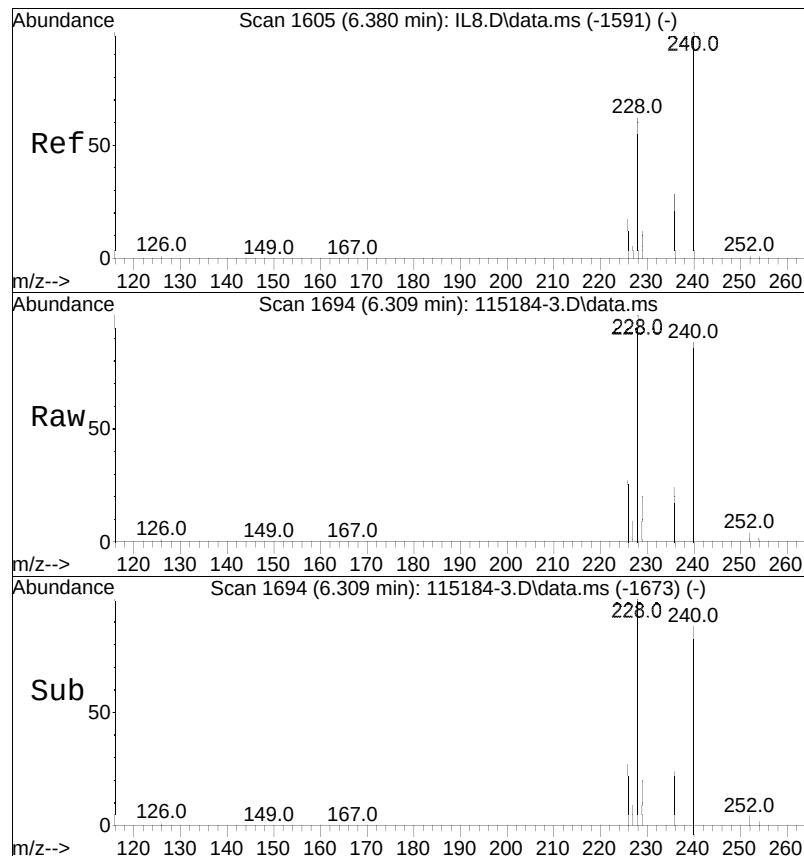




#30
 Pyrene
 Concen: 1724.30 ng/ml
 RT: 5.598 min Scan# 1453
 Delta R.T. -0.010 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

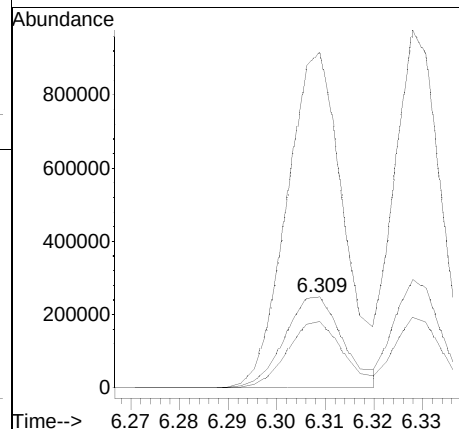
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2

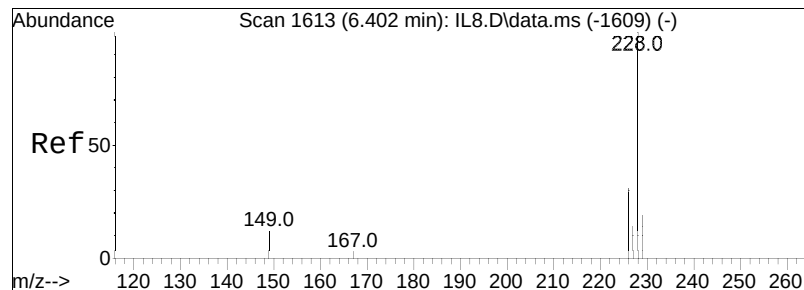




#34
 Benzo[a]anthracene
 Concen: 1861.06 ng/ml
 RT: 6.309 min Scan# 1694
 Delta R.T. -0.023 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

Tgt	Ion:226	Resp:	207012
Ion	Ratio	Lower	Upper
226	100		
229	70.3	56.4	84.6
228	357.9	287.5	431.3
229	70.3	56.4	84.6





#36

Chrysene

Concen: 1734.86 ng/ml

RT: 6.328 min Scan# 1701

Delta R.T. -0.026 min

Lab File: 115184-3.D

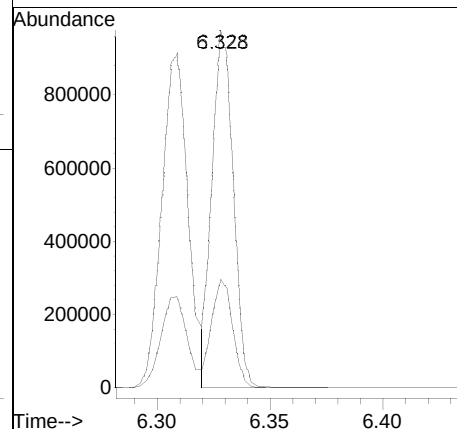
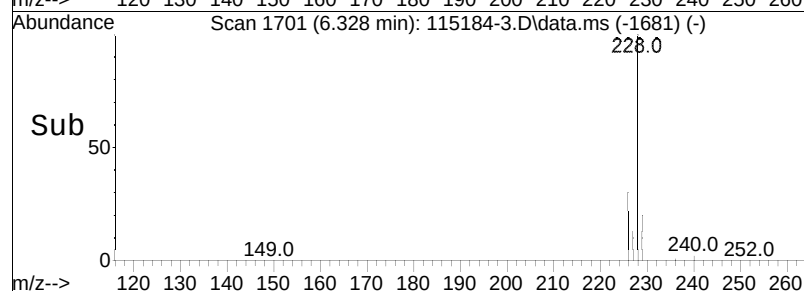
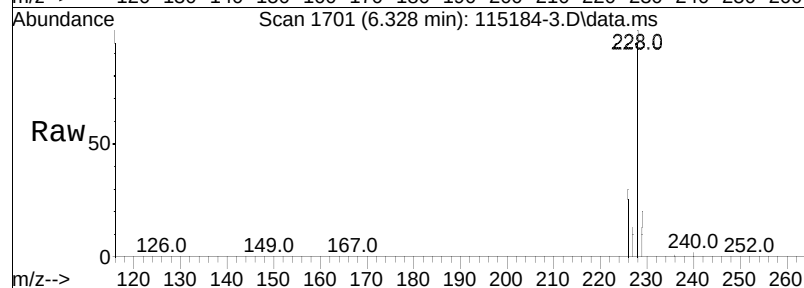
Acq: 20 Sep 2025 04:30 pm

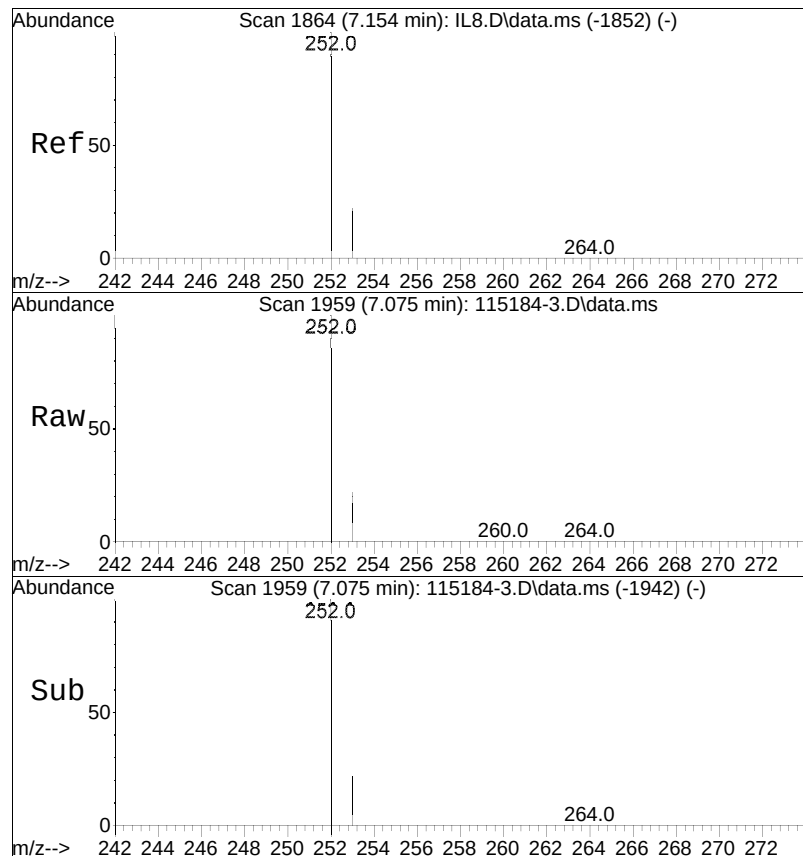
Tgt Ion: 228 Resp: 637132

Ion Ratio Lower Upper

228 100

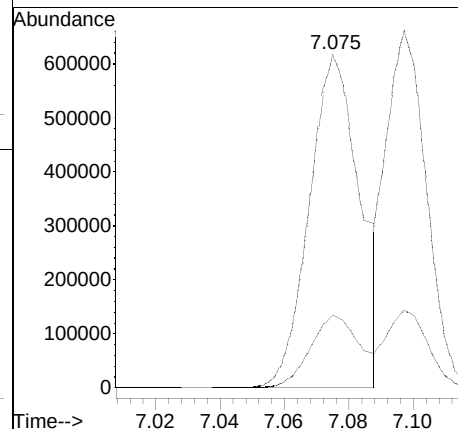
226 30.0 24.3 36.5

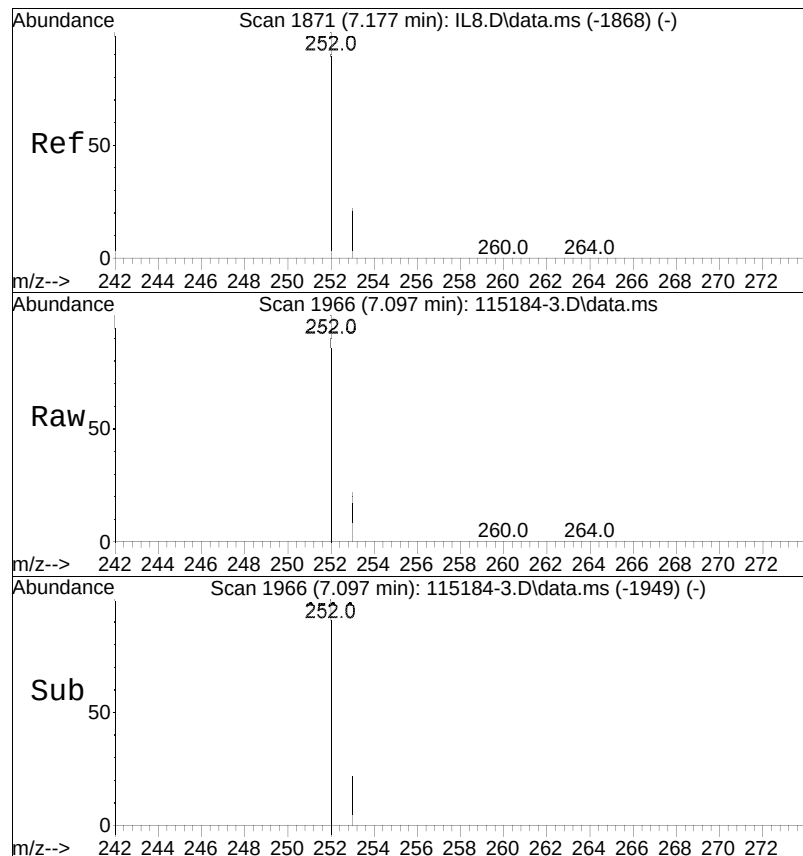




#39
 Benzo[b]fluoranthene
 Concen: 2056.15 ng/ml
 RT: 7.075 min Scan# 1959
 Delta R.T. -0.027 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

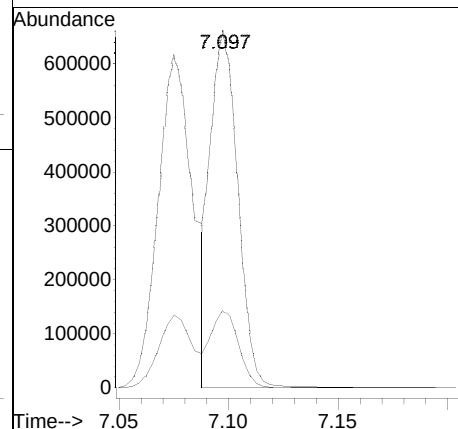
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	19.2	28.8

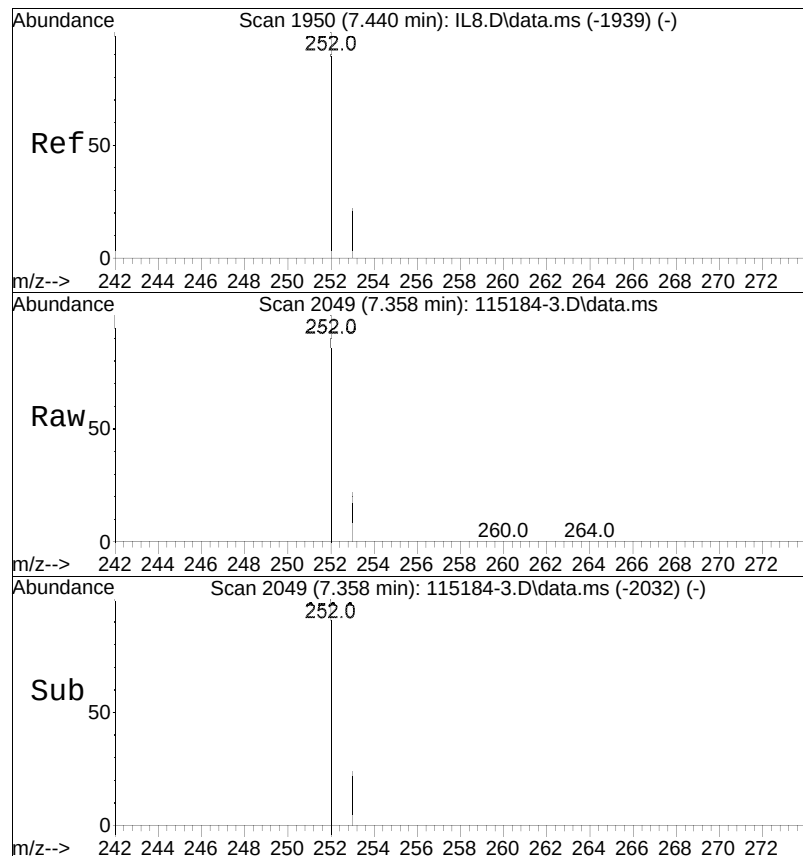




#40
 Benzo[k]fluoranthene
 Concen: 1717.54 ng/ml
 RT: 7.097 min Scan# 1966
 Delta R.T. -0.027 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

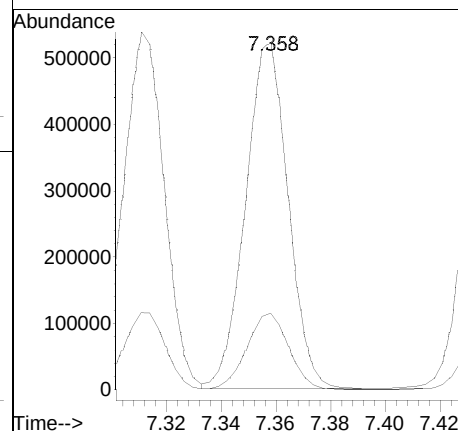
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	15.8	23.8

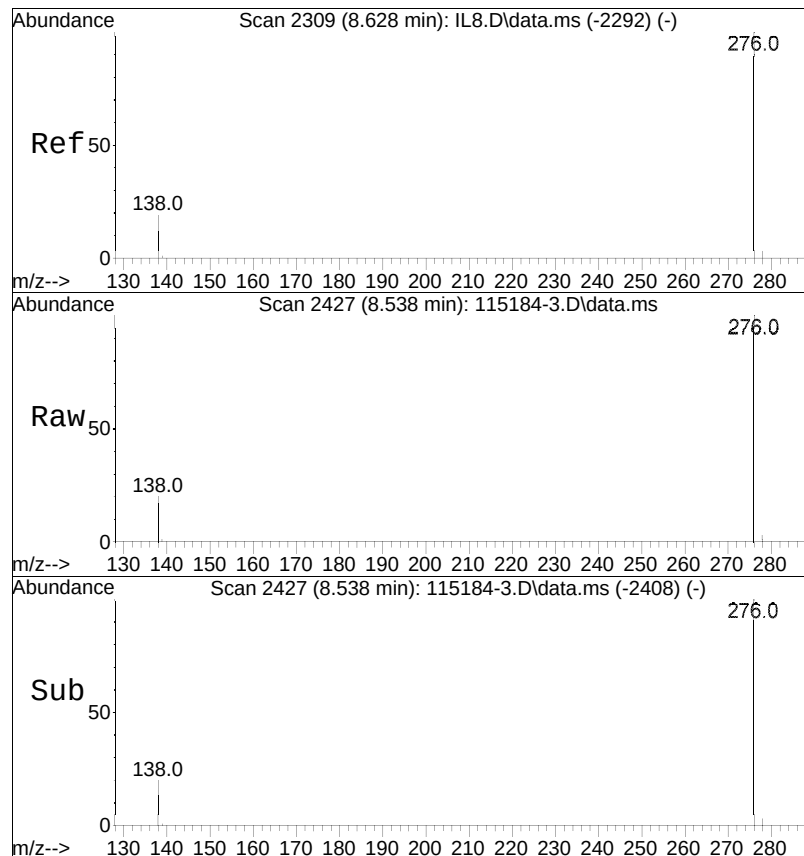




#41
 Benzo[a]pyrene
 Concen: 1934.06 ng/ml
 RT: 7.358 min Scan# 2049
 Delta R.T. -0.027 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

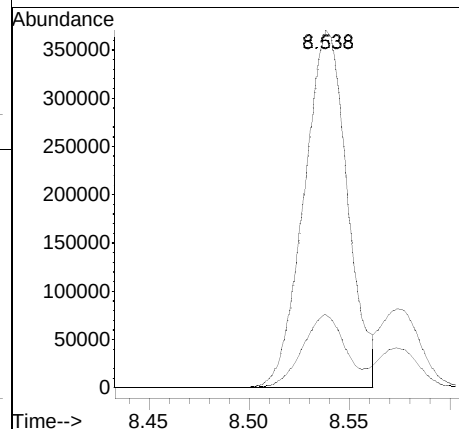
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.8	17.4	26.0	

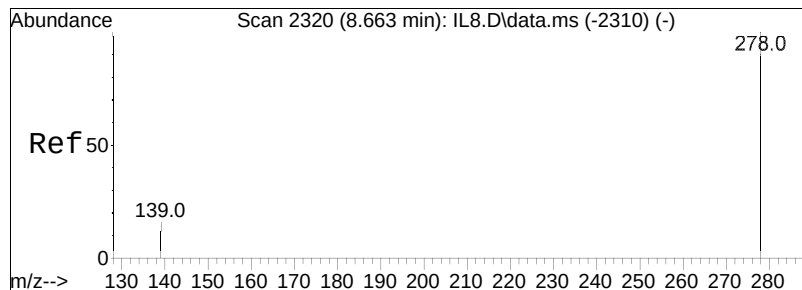




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 2005.90 ng/ml
 RT: 8.538 min Scan# 2427
 Delta R.T. -0.025 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

Tgt Ion:	276	Resp:	553112
Ion Ratio	Lower	Upper	
276	100		
138	20.0	15.9	23.9





#43

Dibenzo[a,h]anthracene

Concen: 1835.23 ng/ml M6

RT: 8.576 min Scan# 2440

Delta R.T. -0.025 min

Lab File: 115184-3.D

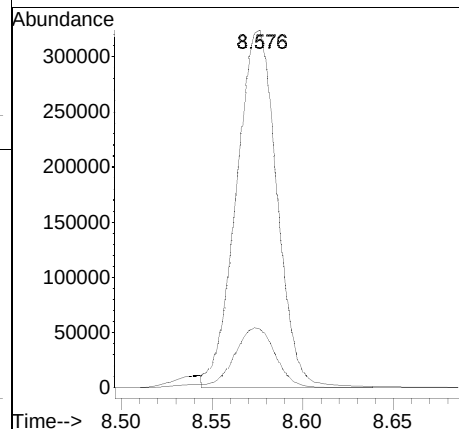
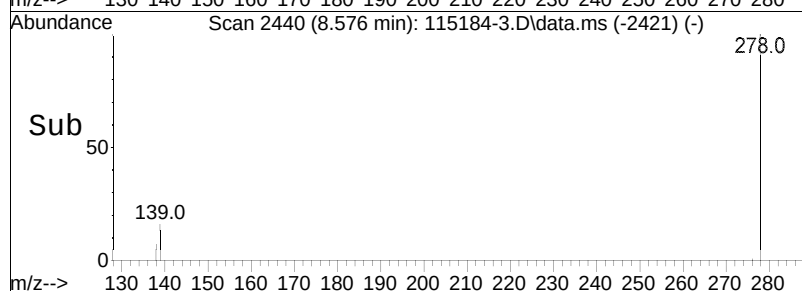
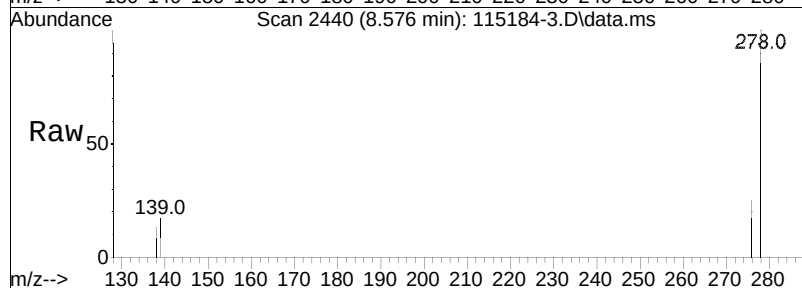
Acq: 20 Sep 2025 04:30 pm

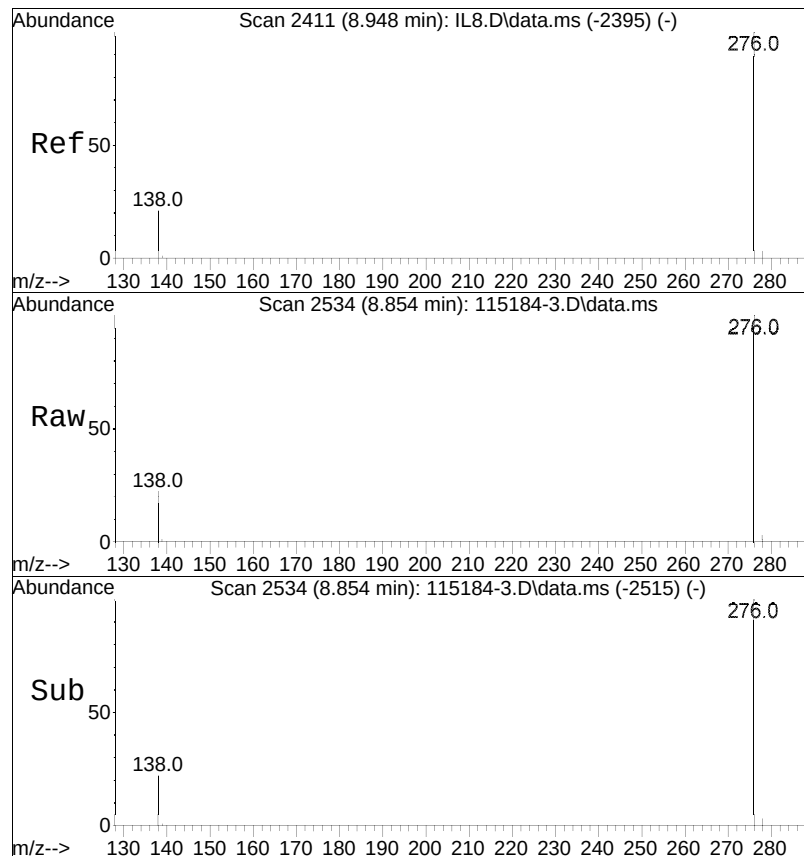
Tgt Ion: 278 Resp: 501746

Ion Ratio Lower Upper

278 100

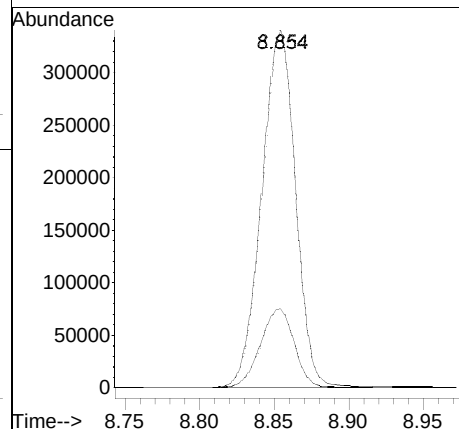
139 17.3 13.8 20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1853.70 ng/ml
 RT: 8.854 min Scan# 2534
 Delta R.T. -0.025 min
 Lab File: 115184-3.D
 Acq: 20 Sep 2025 04:30 pm

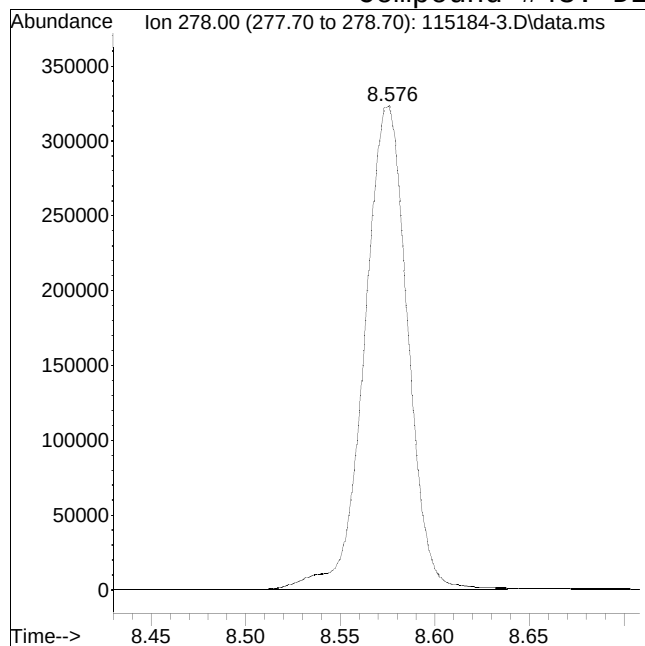
Tgt	Ion	Ratio	Lower	Upper
276	100			
138	22.2	18.1	27.1	



Manual Integration Report

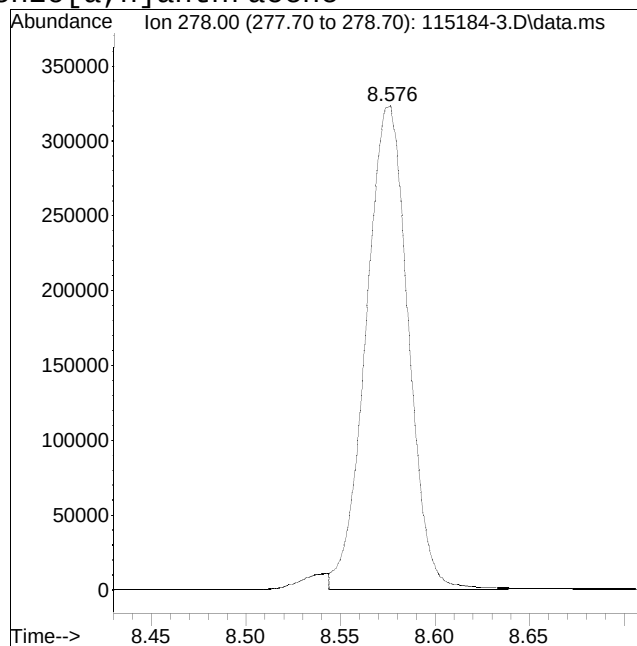
Data Path : I:\8270SIM\SV125\250920RVTQMethod : SIM-RVT_250908_sv125.M
Data File : 115184-3.D Operator : SV125:rp
Date Inj'd : 9/20/2025 4:30 pm Instrument : SV125
Sample : WG2115184-3,32,,rp Quant Date : 9/20/2025 4:46 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 513542

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 501746 M6

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * 1000 * (1/V_o) * V_f$

Where:

DF = Dilution Factor

V_o = Volume of Sample (mL)

V_f = Extraction Lab Final Volume (mL)

Soil Concentration Formula: $Amt * DF * 1000 * (1/W_t) * V_f * (100/TS)$

Where:

DF = Dilution Factor

W_t = Weight of Sample (g)

V_f = Extraction Lab Final Volume (mL)

TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Oct 23 2025, 04:37 pm

Work Group: WG2115184 for Department: 2 Organic Preparation

Created: 16-SEP-25 Due: Operator: JCL

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2557076-02	FIELD BLANK	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557076-03	5A	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557076-04	5B	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557076-05	6A	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557076-06	6B	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557076-07	7A	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557076-08	7B	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557076-09	10A	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557076-10	10B	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0917	0924	S0	Amber-A.1
L2557257-01	MW-319-0925	S NYTCL-8270-SIM-RVT	WATER	DONE	U	0917	1002	S0	Amber-A.1
L2557257-02	MW-329-0925	S NYTCL-8270-SIM-RVT	WATER	DONE	U	0917	1002	S0	Amber-A.1
L2557257-03	MW-163A-0925	S NYTCL-8270-SIM-RVT	WATER	DONE	U	0917	1002	S0	Amber-A.1
L2557257-04	MW-138-0925	S NYTCL-8270-SIM-RVT	WATER	DONE	U	0917	1002	S0	Amber-A.1
L2557257-05	MW-362-0925	S NYTCL-8270-SIM-RVT	WATER	DONE	U	0918	1002	S0	Amber-A.1
L2557257-06	MW-1103-0925 FBW	S NYTCL-8270-SIM-RVT	WATER	DONE	U	0918	1002	S0	Amber-A.1
L2557729-01	MW-361-0925	S NYTCL-8270-SIM-RVT	WATER	DONE	U	0918	1003	S0	Amber-A.1
L2557729-02	MW-258A-0925	S NYTCL-8270-SIM-RVT	WATER	DONE	U	0918	1003	S0	Amber-A.1
L2557729-03	MW-326-0925	S NYTCL-8270-SIM-RVT	WATER	DONE	U	0918	1003	S0	Amber-A.1
WG2115184-1	Laboratory Method Bl	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2115184-1	Laboratory Method Bl	S 8270TCL-SIM-RVT	WATER	DONE	U				
WG2115184-2	Laboratory Control S	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2115184-2	Laboratory Control S	S 8270TCL-SIM-RVT	WATER	DONE	U				
WG2115184-3	LCS Duplicate	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2115184-3	LCS Duplicate	S 8270TCL-SIM-RVT	WATER	DONE	U				
Comments:									
WG2115184-3	WG2115184-2								

Analysis log File

Total Files Reported in Log : 13

Log Generated From Directory: I:\8270SIM\SV125\250908RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune.D	DFTPP(100ml)	TUNE #11473	WG2112310,,	9/8/2025 6:17 pm
2	IL10.D	SIM-RVT.M	IL10,32,,5 Lot# 11697	WG2112310,,	9/8/2025 7:01 pm
3	IL9.D	SIM-RVT.M	IL9,32,,2.5 Lot# 11699	WG2112310,,	9/8/2025 7:17 pm
4	IL8.D	SIM-RVT.M	IL8,32,,1 Lot# 11700	WG2112310,,	9/8/2025 7:34 pm
5	IL7.D	SIM-RVT.M	IL7,32,,0.5 Lot# 11701	WG2112310,,	9/8/2025 7:51 pm
6	IL6.D	SIM-RVT.M	IL6,32,,0.1 Lot# 11702	WG2112310,,	9/8/2025 8:07 pm
7	IL5.D	SIM-RVT.M	IL5,32,,0.04 Lot# 11703	WG2112310,,	9/8/2025 8:24 pm
8	IL4.D	SIM-RVT.M	IL4,32,,0.01 Lot# 11704	WG2112310,,	9/8/2025 8:41 pm
9	IL3.D	SIM-RVT.M	IL3,32,,0.005 Lot# 1170	WG2112310,,	9/8/2025 8:58 pm
10	IL2.D	SIM-RVT.M	IL2,32,,0.002 Lot# 1170	WG2112310,,	9/8/2025 9:14 pm
11	IL1.D	SIM-RVT.M	IL1,32,,0.001 Lot# 1170	WG2112310,,	9/8/2025 9:31 pm
12	ICV.D	SIM-RVT.M	CQICV1,32,,1 Lot# 11696	WG2112310,,	9/8/2025 9:48 pm
13	insblk.D	SIM-RVT.M	Instrument Blank	WG2112310	9/8/2025 10:05 pm

250917

2025

SV120

Dep.: GCMS
Inst: SV120
Date: **09/17/25**
Run:

Method
GC: SIM RVT

Seq: WG2118161
ICAL: 22659



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	TUNE	TUNE #11981				
48	TUNE2	TUNE #11981				
1	IL10	IL10,32,,5000.0ng/mL lot# 11697				
2	IL9	IL9,32,,2500.0ng/mL lot# 11699				
3	IL8	IL8,32,,1000.0ng/mL lot# 11700				
4	IL7	IL7,32,,500.0ng/mL lot# 11701				
5	IL6	IL6,32,,100.0ng/mL lot# 11702				
6	IL5	IL5,32,,40.0ng/mL lot# 11703				
7	IL4	IL4,32,,10.0ng/mL lot#11704				
8	IL3	IL3,32,,5.0ng/mL lot# 11705				
9	IL2	IL2,32,,2.0ng/mL lot# 11706				
10	IL1	IL1,32,,1.0ng/mL lot# 11707				
11	ICV	CQICV,32,,1000.0ng/mL lot #11696				
12	insblk	instrument blank			csn	

Dep.: GCMS
 Inst: SV125
 Date: 09/20/25
 Run:

Method
 GC: SIM RVT
 Seq: WG2117439
 ICAL: 22616



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg0920	wg-1,32,,SV125 lot#11981				09/20 RAP
49	ccv0920	wg-3,32,,ICV 11696 (0920)				09/20 RAP
50	blk0920	Instrument Blank	pcp			
1	117229-2	WG2117229-2,32,,rp				09/20 RAP
2	117229-3	WG2117229-3,32,,rp				09/20 RAP
3	117229-1	WG2117229-1,32,,rp	RV - hits over RL			09/20 RAP
4	58093-19	L2558093-19,32,,R3C,RE,rp				09/20 RAP
5	56852-04	L2556852-04,32,,rp				09/20 RAP
6	57070-12	L2557070-12,32,,RV(IS),rp				09/20 RAP
7	115184-2	WG2115184-2,32,,rp				09/20 RAP
8	115184-3	WG2115184-3,32,,rp				09/20 RAP
9	115184-1	WG2115184-1,32,,rp	RV - hit over RL			09/20 RAP
10	56995-02	L2556995-02,32,,rp	RX - MB hit PCP			09/20 RAP
11	57085-01	L2557085-01,32,,rp	RV - confirm BAA/Chryse			09/20 RAP
12	57085-02	L2557085-02,32,,rp				09/20 RAP
13	57085-03	L2557085-03,32,,rp				09/20 RAP
14	116705-2	WG2116705-2,32,,rp				slr 9/22
15	116705-3	WG2116705-3,32,,rp				slr 9/22
16	116705-1	WG2116705-1,32,,rp	RV - PCP hit over RL			09/20 RAP
17	17229-1	WG2117229-1,32,,RV,rp	high IS, approve orig			09/20 RAP
18	58092-02	L2558092-02,32,,R3E,rp				DV 9/22
19	58019-01	L2558019-01,32,,rp				DV 9/22
20	58019-02	L2558019-02,32,,rp	at SENT; blk pending			slr 9/22
21	58019-03	L2558019-03,32,,rp	at SENT; blk pending			slr 9/22
22	58019-04	L2558019-04,32,,rp	at SENT; blk pending			slr 9/22
23	58031-01	L2558031-01,32,,rp				slr 9/22
24	115767-4	WG2115767-4,32,,rp				slr 9/22
25	115767-5	WG2115767-5,32,,rp				slr 9/22
26	58031-02	L2558031-02,32,,rp				slr 9/22
27	114719-2	WG2114719-2,32,,rp				slr 9/22
28	114719-3	WG2114719-3,32,,rp				slr 9/22
29	114719-1	WG2114719-1,32,,rp	RV - PCP hit over RL			slr 9/22
30	57290-01	L2557290-01,32,,rp				DV 9/22
31	57290-02	L2557290-02,32,,rp				DV 9/22
32	57290-03	L2557290-03,32,,rp				DV 9/22
33	57290-04	L2557290-04,32,,rp				DV 9/22
34	57290-05	L2557290-05,32,,rp				DV 9/22
35	57290-06	L2557290-06,32,,rp				DV 9/22
36	57290-07	L2557290-07,32,,rp				DV 9/22
37	57290-08	L2557290-08,32,,rp				DV 9/22
38	57295-01	L2557295-01,32,,rp				DV 9/22
39	115725-4	WG2115725-4,32,,rp				
40	115725-5	WG2115725-5,32,,rp			rap	
					Sv-csn	

Dep.: GCMS
 Inst: SV125
 Date: 09/22/25
 Run:

Method
 GC: SIM RVT
 Seq: WG2117833
 ICAL: 22616



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg0922	wg-1,32,,SV125 lot#11981				slr 9/22
49	ccv0922	wg-3,32,,ICV 11696 (0920)				slr 9/22
50	blk0922	Instrument Blank	PCP~164 OC			
1	57779-04	L2557779-04,32,,RR (ott),csn				slr 9/23
2	57698-01	L2557698-01,32,,csn				slr 9/23
3	57698-02	L2557698-02,32,,csn				slr 9/23
4	57698-03	L2557698-03,32,,csn				slr 9/23
5	57698-04	L2557698-04,32,,csn				slr 9/23
6	114699-2	WG2114699-2,32,,RV (IS),csn				slr 9/22
7	114699-3	WG2114699-3,32,,RV (IS),csn	RV; IS high			slr 9/22
8	115405-2	WG2115405-2,32,,RR,csn				slr 9/22
9	115405-3	WG2115405-3,32,,RR,csn				slr 9/22
10	115252-2	WG2115252-2,32,,RR,csn	failed criteria			slr 9/22
11	115252-3	WG2115252-3,32,,RR,csn	failed criteria			slr 9/22
12	115252-1	WG2115252-1,32,,RV,csn	RX; PCP >RL; confirmed			slr 9/22
13	566-01d1	L2556566-01d,32,10,csn	RV; for confirm -1x/10x do not match			slr 9/22
14	57782-01	L2557782-01,32,,R3E,RV (IS),cs	10x; OC N/2MN			slr 9/22
15	56676-02	L2556676-02,32,,csn				slr 9/23
16	56676-03	L2556676-03,32,,csn			Sv-cmm	slr 9/23
17	56676-04	L2556676-04,32,,csn				slr 9/23
18	56676-05	L2556676-05,32,,csn				slr 9/23
19	56676-06	L2556676-06,32,,csn				slr 9/23
20	56676-07	L2556676-07,32,,csn				slr 9/23
21	14699-3	WG2114699-3,32,,RV,csn				slr 9/23
22	56676-08	L2556676-08,32,,csn				slr 9/23
23	56676-09	L2556676-09,32,,csn				slr 9/23
24	56676-10	L2556676-10,32,,csn				slr 9/23
25	56676-11	L2556676-11,32,,csn				slr 9/23
26	56676-12	L2556676-12,32,,csn				slr 9/23
27	114699-4	WG2114699-4,32,,csn				slr 9/23
28	114699-5	WG2114699-5,32,,csn				slr 9/23
29	58050-01	L2558050-01,32,,csn				DV 9/23
30	115772-2	WG2115772-2,32,,csn				DV 9/23
31	115772-3	WG2115772-3,32,,csn				DV 9/23
32	115772-1	WG2115772-1,32,,csn				DV 9/23
33	58070-01	L2558070-01,32,,csn				DV 9/23
34	57076-02	L2557076-02,32,,csn				DV 9/23
35	57076-03	L2557076-03,32,,csn				DV 9/23
36	57076-04	L2557076-04,32,,csn				DV 9/23
37	57076-05	L2557076-05,32,,csn				DV 9/23
38	57076-06	L2557076-06,32,,csn				DV 9/23
39	57076-07	L2557076-07,32,,csn				DV 9/23
40	57076-08	L2557076-08,32,,csn			csn	DV 9/23
					Sv-gmr	

Dep.: GCMS
 Inst: SV120
 Date: 09/23/25
 Run:

Method
 GC: SIM RVT
 Seq: WG2118575
 ICAL: 22659



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	deg0923	wg-1,32,, dftpp SV120 lot#11981				09/23 DV
49	ccv0923	wg-3,32,,ICV 11696 (0920)				09/23 DV
50	blk0923	Instrument Blank				
1	118502-2	WG2118502-2,32,,rp	RV			09/23 DV
2	118502-3	WG2118502-3,32,,rp	RV; targets high			09/23 DV
3	118502-1	WG2118502-1,32,,rp	RV; hits > RL			09/23 DV
4	56566-01	L2556566-01,32,,RE,rp	RV; cont or co?			09/23 DV
5	117519-2	WG2117519-2,32,,rp				09/23 DV
6	117519-3	WG2117519-3,32,,rp				09/23 DV
7	117519-1	WG2117519-1,32,,rp				09/23 DV
8	56995-02	L2556995-02,32,,RE,rp			sv-DV	09/23 DV
9	117766-2	WG2117766/5-2,32,,rp				09/24 sbr
10	117766-3	WG2117766/5-3,32,,rp				09/24 sbr
11	117766-1	WG2117766/5-1,32,,rp				09/24 sbr
12	58626-01	L2558626-01,32,,rp				09/24 sbr
13	58626-02	L2558626-02,32,,rp				09/24 sbr
14	58626-04	L2558626-04,32,,rp				09/24 sbr
15	58626-05	L2558626-05,32,,rp				09/24 sbr
16	115184-1	WG2115184-1,32,,RV,rp				slr 9/24
17	57128-01	L2557128-01,32,,RR,rp				09/24 sbr
18	57128-03	L2557128-03,32,,RR,rp				09/24 sbr
19	57128-04	L2557128-04,32,,RR,rp				09/24 sbr
20	57128-05	L2557128-05,32,,RR,rp				09/24 sbr
21	57128-06	L2557128-06,32,,RR,rp				09/24 sbr
22	57128-07	L2557128-07,32,,RR,rp				09/24 sbr
23	57128-10	L2557128-10,32,,RR,rp				09/24 sbr
24	57128-11	L2557128-11,32,,RR,rp				09/24 sbr
25	57776-10	L2557776-10,32,,RR,rp				slr 9/24
26	57776-12	L2557776-12,32,,RR,rp				slr 9/24
27	57776-13	L2557776-13,32,,RR,rp				slr 9/24
28	57776-14	L2557776-14,32,,RR,rp				slr 9/24
29	57776-15	L2557776-15,32,,RR,rp				slr 9/24
30	56753-02	L2556753-02,32,,RR,rp				DV 9/26
31	56753-04	L2556753-04,32,,RR,rp				DV 9/26
32	56753-06	L2556753-06,32,,RR,rp				DV 9/26
33	56753-08	L2556753-08,32,,RR,rp				DV 9/26
34	56753-09	L2556753-09,32,,RR,rp				DV 9/26
35	56753-10	L2556753-10,32,,RR,rp				DV 9/26
36	56753-11	L2556753-11,32,,RR,rp				DV 9/26
37	117811-4	WG2117811-4,32,,rp				
38	117811-5	WG2117811-5,32,,rp				
39	39267-68	L2539267-68,32,,rp			rap	
					Sv-csn	

Dep.: GCMS
 Inst: SV120
 Date: 09/24/25
 Run: a

Method
 GC: SIM RVT
 Seq: WG2119028
 ICAL: 22659



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	deg0924a	wg-1,32,, dftpp SV120 lot#11981				09/24 RAP
49	ccv0924a	wg-3,32,,ICV 11696 (0920)				
49	ccv0924aa	wg-3,32,,ICV 11696 (0920)	indeno,dibenzo and benzo high out			09/24 RAP
50	blk0924a	Instrument Blank				
1	56995-02	L2556995-02,32,,RV,csn				
2	118502-2	WG2118502-2,32,,RV,csn	RR PCP OC			slr 9/24
3	118502-3	WG2118502-3,32,,RV,csn	RR		SV-RAP	slr 9/24
4	118502-1	WG2118502-1,32,,RV,csn	cont confirmed			slr 9/24
5	56566-01	L2556566-01,32,,RV,csn	cont confirmed			slr 9/24
6	57076-09	L2557076-09,32,,csn				slr 9/25
7	57076-10	L2557076-10,32,,csn				slr 9/25
8	118781-2	WG2118781-2,32,,csn				slr 9/25
9	118781-3	WG2118781-3,32,,csn				slr 9/25
10	118781-1	WG2118781-1,32,,csn				slr 9/25
11	59816-01	L2559816-01,32,,R1B,csn	5x for M			slr 9/25
12	59736-01	L2559736-01,32,,R3C,csn				slr 9/25
13	117353-2	WG2117353-2,32,,csn				
14	57085-01	L2557085-01,32,,RV,csn				09/24 RAP
15	57776-11	L2557776-11,32,,RV,csn	RR - CCV outage			09/24 RAP
16	735-01d1	L2558735-01d,32,5,csn				csn/SV-109/24 RAP



ORGANIC ELN REPORT

Workgroup: WG2115184

Prep Method: EPA 3510C Solvent Type: DCM Surrogate Type: ABN Spike Type: ABN-SIM Spike Verify by: JCL Lims Spikelot: 8270-RVT Additional Reagents/Std <table><tr><td>H2SO4</td><td>A062825</td></tr><tr><td>Na2SO4</td><td>244434</td></tr><tr><td>NaOH</td><td>10NNaOH091525</td></tr></table>	H2SO4	A062825	Na2SO4	244434	NaOH	10NNaOH091525	Conc.Method: Buchi Solvent Type: DCM Lot #: EK640 Additional Reagents/Std	Cleanup 1 Cleanup Method 1: Cleanup Method 2: Solvent Type: Lot #: Additional Reagents/Std
H2SO4	A062825							
Na2SO4	244434							
NaOH	10NNaOH091525							

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2556995-02	09/16/25 16:02	Francis Mbro- Menyah	100	<2,>12	.1		09/16/25 22:48	Mary Asare	1	K
L2557076-02 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:17	Mary Asare	1	K
L2557076-03 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:17	Mary Asare	1	K
L2557076-04 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:17	Mary Asare	1	K
L2557076-05 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:17	Mary Asare	1	K



ORGANIC ELN REPORT

Workgroup: WG2115184

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2557076-06 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:17	Mary Asare	1	K
L2557076-07 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:17	Mary Asare	1	K
L2557076-08 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:17	Mary Asare	1	K
L2557076-09 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:17	Mary Asare	1	K
L2557076-10 SAMP	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:17	Mary Asare	1	K
L2557257-01 SAMP	09/16/25 16:02	Francis Mbro- Menyah	100	<2,>12	.1		09/16/25 22:48	Mary Asare	1	K
L2557257-02 SAMP	09/16/25 16:02	Francis Mbro- Menyah	100	<2,>12	.1		09/16/25 22:48	Mary Asare	1	K
L2557257-03 SAMP	09/16/25 16:02	Francis Mbro- Menyah	100	<2,>12	.1		09/16/25 22:48	Mary Asare	1	K



ORGANIC ELN REPORT

Workgroup: WG2115184

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2557257-04 SAMP	09/16/25 16:02	Francis Mbro- Menyah	100	<2,>12	.1		09/16/25 22:48	Mary Asare	1	K
L2557257-05 SAMP	09/16/25 16:46	Francis Mbro- Menyah	100	<2,>12	.1		09/16/25 22:48	Mary Asare	1	K
L2557257-06 SAMP	09/16/25 16:46	Francis Mbro- Menyah	100	<2,>12	.1		09/16/25 22:48	Mary Asare	1	K
L2557729-01 SAMP	09/16/25 16:46	Francis Mbro- Menyah	100	<2,>12	.1		09/16/25 22:48	Mary Asare	1	K
L2557729-02 SAMP	09/16/25 16:46	Francis Mbro- Menyah	100	<2,>12	.1		09/16/25 22:48	Mary Asare	1	K
L2557729-03 SAMP	09/16/25 16:46	Francis Mbro- Menyah	100	<2,>12	.1		09/16/25 22:48	Mary Asare	1	K
WG2115184-1 BLANK	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1		09/16/25 04:17	Mary Asare	1	K
	WG2115183									
WG2115184-2 LCS	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1	.1	09/16/25 04:17	Mary Asare	1	K



ORGANIC ELN REPORT

Workgroup: WG2115184

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
WG2115184 -3 LCSD	09/16/25 03:18	Jessica Labossier e	100	<2,>12	.1	.1	09/16/25 04:17	Mary Asare	1	K

ATTACHMENT F



Metals

Inorganic Data (ICP Analysis)

Form 1 METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115410-1
Client ID : WG2115410-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2115884.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2556676
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/17/25 12:03
Dilution Factor : 1
Analyst : EFM
Instrument ID : TRACE9
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-39-3	Barium, Total	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	ND	0.100	0.0350	U
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	ND	0.100	0.0153	U
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	ND	2.50	0.237	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	ND	2.00	0.120	U
7440-28-0	Thallium, Total	0.0046	0.0200	0.0025	J
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115410-8
Client ID : WG2115410-8 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2115884.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/15/25 10:00
Date Received : 09/15/25
Date Analyzed : 09/17/25 12:27
Dilution Factor : 1
Analyst : EFM
Instrument ID : TRACE9
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-89-6	Iron, Total	0.431	0.0500	0.009	



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-10
 Client ID : 8B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2116611_PDF.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 13:05
 Date Received : 09/09/25
 Date Analyzed : 09/18/25 16:06
 Dilution Factor : 1
 Analyst : JMF
 Instrument ID : TRACE7
 %Solids : N/A
 Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-39-3	Barium, Dissolved	0.0023	0.0100	0.0021	J
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	8.08	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	0.953	0.0500	0.0090	
7439-92-1	Lead, Dissolved	0.0051	0.0100	0.0027	J
7439-95-4	Magnesium, Dissolved	3.60	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0291	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	0.950	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	5.75	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2114996-1
Client ID : WG2114996-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2116611_PDF.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2556676
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/18/25 15:57
Dilution Factor : 1
Analyst : JMF
Instrument ID : TRACE7
%Solids : N/A
Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-39-3	Barium, Dissolved	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	ND	0.100	0.0350	U
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	ND	0.100	0.0153	U
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	ND	2.50	0.237	U
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	ND	2.00	0.120	U
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2114996-8
Client ID : 8BDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2116611_PDF.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 13:05
Date Received : 09/09/25
Date Analyzed : 09/18/25 16:15
Dilution Factor : 1
Analyst : JMF
Instrument ID : TRACE7
%Solids : N/A
Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.032	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.007	U
7440-39-3	Barium, Dissolved	0.0023	0.0100	0.002	J
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.001	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.001	U
7440-70-2	Calcium, Dissolved	8.11	0.100	0.035	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.002	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.002	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.002	U
7439-89-6	Iron, Dissolved	0.962	0.0500	0.009	
7439-92-1	Lead, Dissolved	0.0044	0.0100	0.003	J
7439-95-4	Magnesium, Dissolved	3.74	0.100	0.015	
7439-96-5	Manganese, Dissolved	0.0297	0.0100	0.002	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.002	U
7440-09-7	Potassium, Dissolved	0.972	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.004	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.003	U
7440-23-5	Sodium, Dissolved	5.78	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.003	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.002	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.002	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-02
 Client ID : 3A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2118872.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:40
 Date Received : 09/09/25
 Date Analyzed : 09/24/25 17:39
 Dilution Factor : 1
 Analyst : EFM
 Instrument ID : TRACE11
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0169	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	25.1	0.100	0.0350	
7440-47-3	Chromium, Total	0.0024	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0460	0.0500	0.0090	J
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.01	0.100	0.0153	
7439-96-5	Manganese, Total	0.0030	0.0100	0.0016	J
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.39	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	9.58	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-03
 Client ID : 3B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2118872.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:50
 Date Received : 09/09/25
 Date Analyzed : 09/24/25 17:41
 Dilution Factor : 1
 Analyst : EFM
 Instrument ID : TRACE11
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.195	0.100	0.0318	
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0295	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	32.4	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	0.0029	0.0100	0.0022	J
7439-89-6	Iron, Total	0.295	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	8.24	0.100	0.0153	
7439-96-5	Manganese, Total	0.0150	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.61	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	9.86	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0044	0.0050	0.0021	J



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-04
 Client ID : DUP001
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2118872.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:45
 Date Received : 09/09/25
 Date Analyzed : 09/24/25 17:43
 Dilution Factor : 1
 Analyst : EFM
 Instrument ID : TRACE11
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0168	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	25.2	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.07	0.100	0.0153	
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	0.0030	0.0250	0.0024	J
7440-09-7	Potassium, Total	1.41	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	9.62	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-05
 Client ID : 4A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2118872.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 09:55
 Date Received : 09/09/25
 Date Analyzed : 09/24/25 18:22
 Dilution Factor : 1
 Analyst : EFM
 Instrument ID : TRACE11
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0176	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	29.2	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.171	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	6.17	0.100	0.0153	
7439-96-5	Manganese, Total	0.0134	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	2.07	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	11.5	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-06
 Client ID : 4B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2118872.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 10:55
 Date Received : 09/09/25
 Date Analyzed : 09/24/25 18:24
 Dilution Factor : 1
 Analyst : EFM
 Instrument ID : TRACE11
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.0503	0.100	0.0318	J
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	0.0021	0.0050	0.0019	J
7440-39-3	Barium, Total	0.0208	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	21.6	0.100	0.0350	
7440-47-3	Chromium, Total	0.0105	0.0100	0.0021	
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.180	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.78	0.100	0.0153	
7439-96-5	Manganese, Total	0.0106	0.0100	0.0016	
7440-02-0	Nickel, Total	0.0027	0.0250	0.0024	J
7440-09-7	Potassium, Total	1.02	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	10.9	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-07
 Client ID : 2A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2118872.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:45
 Date Received : 09/09/25
 Date Analyzed : 09/24/25 18:26
 Dilution Factor : 1
 Analyst : EFM
 Instrument ID : TRACE11
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0212	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	26.4	0.100	0.0350	
7440-47-3	Chromium, Total	0.0037	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0681	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.01	0.100	0.0153	
7439-96-5	Manganese, Total	0.0102	0.0100	0.0016	
7440-02-0	Nickel, Total	0.0036	0.0250	0.0024	J
7440-09-7	Potassium, Total	1.89	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	9.33	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-08
 Client ID : 2B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2118872.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:55
 Date Received : 09/09/25
 Date Analyzed : 09/24/25 18:28
 Dilution Factor : 1
 Analyst : EFM
 Instrument ID : TRACE11
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0424	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	26.6	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0101	0.0500	0.0090	J
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.79	0.100	0.0153	
7439-96-5	Manganese, Total	0.0018	0.0100	0.0016	J
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	0.991	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	9.51	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-09
 Client ID : 8A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2118872.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 12:45
 Date Received : 09/09/25
 Date Analyzed : 09/24/25 17:28
 Dilution Factor : 1
 Analyst : EFM
 Instrument ID : TRACE11
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0470	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	18.9	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0113	0.0500	0.0090	J
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	3.44	0.100	0.0153	
7439-96-5	Manganese, Total	0.0031	0.0100	0.0016	J
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	2.83	2.50	0.237	
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	15.5	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-10
 Client ID : 8B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2118872.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 13:05
 Date Received : 09/09/25
 Date Analyzed : 09/24/25 18:31
 Dilution Factor : 1
 Analyst : EFM
 Instrument ID : TRACE11
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0022	0.0100	0.0021	J
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	8.40	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.996	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	3.37	0.100	0.0153	
7439-96-5	Manganese, Total	0.0297	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	0.995	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	6.26	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-11
 Client ID : 9A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2118872.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:10
 Date Received : 09/09/25
 Date Analyzed : 09/24/25 18:33
 Dilution Factor : 1
 Analyst : EFM
 Instrument ID : TRACE11
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0374	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	12.8	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	3.95	0.100	0.0153	
7439-96-5	Manganese, Total	0.0030	0.0100	0.0016	J
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	2.08	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	11.8	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-12
 Client ID : 9B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2118872.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:30
 Date Received : 09/09/25
 Date Analyzed : 09/24/25 18:35
 Dilution Factor : 1
 Analyst : EFM
 Instrument ID : TRACE11
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	31.8	0.100	0.0350	
7440-47-3	Chromium, Total	0.0115	0.0100	0.0021	
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.132	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	3.88	0.100	0.0153	
7439-96-5	Manganese, Total	0.0571	0.0100	0.0016	
7440-02-0	Nickel, Total	0.0067	0.0250	0.0024	J
7440-09-7	Potassium, Total	1.62	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	8.09	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115410-1
Client ID : WG2115410-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2118872.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2556676
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/24/25 17:24
Dilution Factor : 1
Analyst : EFM
Instrument ID : TRACE11
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE9

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)							
	Lab ID	: R2011845-1		R2011845-4			R2011845-6		R2011845-8		
	Date Analyzed:	09/17/25 07:49		09/17/25 08:53			09/17/25 09:52		09/17/25 10:58		
	True	Found	%R	True	Found	%R	Found	%R	Found	%R	
Aluminum	0.500	0.5020	100	0.5000	0.504	101	0.512	102	0.517	103	
Antimony	0.500	0.5190	104	0.5000	0.512	102	0.518	104	0.517	103	
Arsenic	0.500	0.4980	100	0.5000	0.498	100	0.500	100	0.493	99	
Barium	0.500	0.5050	101	0.5000	0.506	101	0.511	102	0.505	101	
Beryllium	0.500	0.5180	104	0.5000	0.520	104	0.524	105	0.520	104	
Cadmium	0.500	0.5130	103	0.5000	0.512	102	0.513	103	0.508	102	
Calcium	0.500	0.5020	100	0.5000	0.503	101	0.501	100	0.516	103	
Chromium	0.500	0.5120	102	0.5000	0.512	102	0.515	103	0.507	101	
Cobalt	0.500	0.5150	103	0.5000	0.512	102	0.517	103	0.509	102	
Copper	0.500	0.5030	101	0.5000	0.504	101	0.505	101	0.500	100	
Iron	0.500	0.5120	102	0.5000	0.507	101	0.519	104	0.515	103	
Lead	0.500	0.5120	102	0.5000	0.508	102	0.522	104	0.507	101	
Magnesium	0.500	0.4900	98	0.5000	0.492	98	0.493	99	0.494	99	
Manganese	0.500	0.5190	104	0.5000	0.513	103	0.514	103	0.511	102	
Nickel	0.500	0.5160	103	0.5000	0.514	103	0.515	103	0.512	102	
Potassium	5.00	5.2200	104	5.0000	5.26	105	5.30	106	5.32	106	
Selenium	0.500	0.5020	100	0.5000	0.497	99	0.502	100	0.496	99	
Silver	0.500	0.4920	98	0.5000	0.492	98	0.500	100	0.493	99	
Sodium	10.0	10.3000	103	10.0000	10.4	104	10.5	105	10.4	104	
Thallium	0.500	0.5000	100	0.5000	0.504	101	0.512	102	0.504	101	
Vanadium	0.500	0.5140	103	0.5000	0.514	103	0.517	103	0.511	102	
Zinc	0.500	0.5180	104	0.5000	0.519	104	0.519	104	0.515	103	

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE9

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	Lab ID : Date Analyzed :			R2011845-10 09/17/25 11:52			R2011845-12 09/17/25 12:37			
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum				0.5000	0.534	107	0.523	105		
Antimony				0.5000	0.530	106	0.535	107		
Arsenic				0.5000	0.507	101	0.498	100		
Barium				0.5000	0.515	103	0.509	102		
Beryllium				0.5000	0.530	106	0.525	105		
Cadmium				0.5000	0.521	104	0.515	103		
Calcium				0.5000	0.526	105	0.510	102		
Chromium				0.5000	0.522	104	0.519	104		
Cobalt				0.5000	0.526	105	0.518	104		
Copper				0.5000	0.516	103	0.508	102		
Iron				0.5000	0.528	106	0.518	104		
Lead				0.5000	0.519	104	0.511	102		
Magnesium				0.5000	0.502	100	0.500	100		
Manganese				0.5000	0.523	105	0.519	104		
Nickel				0.5000	0.529	106	0.526	105		
Potassium				5.0000	5.42	108	5.34	107		
Selenium				0.5000	0.508	102	0.498	100		
Silver				0.5000	0.506	101	0.502	100		
Sodium				10.0000	10.5	105	10.4	104		
Thallium				0.5000	0.510	102	0.504	101		
Vanadium				0.5000	0.524	105	0.518	104		
Zinc				0.5000	0.530	106	0.528	106		

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE7

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID	Initial Calibration			Continuing Calibration(s)						
	Date Analyzed:	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	R2012514-1	0.500	0.5070	101							
Antimony	09/18/25 13:13	0.500	0.4970	99							
Barium		0.500	0.5030	101							
Beryllium		0.500	0.5190	104							
Cadmium		0.500	0.4870	97							
Calcium		0.500	0.5220	104							
Chromium		0.500	0.5130	103							
Cobalt		0.500	0.4950	99							
Copper		0.500	0.5110	102							
Iron		0.500	0.5450	109							
Lead		0.500	0.4980	100							
Magnesium		0.500	0.5190	104							
Manganese		0.500	0.5230	105							
Nickel		0.500	0.4980	100							
Potassium		5.00	5.3000	106							
Selenium		0.500	0.4840	97							
Silver		0.500	0.5010	100							
Sodium		10.0	10.2000	102							
Thallium		0.500	0.5060	101							
Vanadium		0.500	0.5140	103							
Zinc		0.500	0.4950	99							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE7

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	Lab ID	: R2012514-3		R2012514-6			R2012514-8			
	Date Analyzed:	09/18/25 13:28		09/18/25 15:31			09/18/25 16:41			
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.4950	99	0.5000	0.482	96	0.492	98		
Antimony	0.500	0.4900	98	0.5000	0.482	96	0.477	95		
Barium	0.500	0.4980	100	0.5000	0.492	98	0.494	99		
Beryllium	0.500	0.5140	103	0.5000	0.501	100	0.505	101		
Cadmium	0.500	0.4810	96	0.5000	0.519	104	0.527	105		
Calcium	0.500	0.5220	104	0.5000	0.492	98	0.498	100		
Chromium	0.500	0.5270	105	0.5000	0.531	106	0.537	107		
Cobalt	0.500	0.4880	98	0.5000	0.496	99	0.488	98		
Copper	0.500	0.5240	105	0.5000	0.482	96	0.478	96		
Iron	0.500	0.5200	104	0.5000	0.535	107	0.535	107		
Lead	0.500	0.4920	98	0.5000	0.522	104	0.530	106		
Magnesium	0.500	0.5310	106	0.5000	0.531	106	0.542	108		
Manganese	0.500	0.5210	104	0.5000	0.515	103	0.516	103		
Nickel	0.500	0.4910	98	0.5000	0.522	104	0.523	105		
Potassium	5.00	5.2100	104	5.0000	5.04	101	5.11	102		
Selenium	0.500	0.4780	96	0.5000	0.488	98	0.494	99		
Silver	0.500	0.5150	103	0.5000	0.473	95	0.466	93		
Sodium	10.0	10.1000	101	10.0000	9.46	95	9.46	95		
Thallium	0.500	0.4970	99	0.5000	0.496	99	0.495	99		
Vanadium	0.500	0.5290	106	0.5000	0.536	107	0.540	108		
Zinc	0.500	0.4870	97	0.5000	0.535	107	0.544	109		

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE11

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)							
	Lab ID	: R2014598-1		R2014598-4			R2014598-6		R2014598-8		
	Date Analyzed:	09/24/25 07:10		09/24/25 08:35			09/24/25 09:09		09/24/25 09:36		
	True	Found	%R	True	Found	%R	Found	%R	Found	%R	
Aluminum	0.500	0.4820	96	0.5000	0.484	97	0.474	95	0.485	97	
Antimony	0.500	0.5020	100	0.5000	0.512	102	0.520	104	0.512	102	
Arsenic	0.500	0.4800	96	0.5000	0.482	96	0.488	98	0.489	98	
Barium	0.500	0.4930	99	0.5000	0.495	99	0.500	100	0.498	100	
Beryllium	0.500	0.5080	102	0.5000	0.504	101	0.511	102	0.510	102	
Cadmium	0.500	0.5000	100	0.5000	0.508	102	0.509	102	0.507	101	
Calcium	0.500	0.4980	100	0.5000	0.497	99	0.506	101	0.505	101	
Chromium	0.500	0.4990	100	0.5000	0.504	101	0.507	101	0.506	101	
Cobalt	0.500	0.5050	101	0.5000	0.514	103	0.516	103	0.514	103	
Copper	0.500	0.5120	102	0.5000	0.520	104	0.521	104	0.523	105	
Iron	0.500	0.4970	99	0.5000	0.493	99	0.506	101	0.507	101	
Lead	0.500	0.5030	101	0.5000	0.505	101	0.508	102	0.509	102	
Magnesium	0.500	0.4990	100	0.5000	0.503	101	0.507	101	0.506	101	
Manganese	0.500	0.5060	101	0.5000	0.506	101	0.511	102	0.510	102	
Nickel	0.500	0.5090	102	0.5000	0.521	104	0.519	104	0.520	104	
Potassium	5.00	5.1900	104	5.0000	5.17	103	5.19	104	5.18	104	
Selenium	0.500	0.4870	97	0.5000	0.490	98	0.494	99	0.499	100	
Silver	0.500	0.4890	98	0.5000	0.500	100	0.506	101	0.506	101	
Sodium	10.0	10.1000	101	10.0000	10.0	100	10.3	103	10.1	101	
Thallium	0.500	0.5080	102	0.5000	0.509	102	0.511	102	0.514	103	
Vanadium	0.500	0.5000	100	0.5000	0.509	102	0.512	102	0.512	102	
Zinc	0.500	0.5010	100	0.5000	0.511	102	0.511	102	0.510	102	

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE11

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2014598-10 09/24/25 10:08			R2014598-12 09/24/25 11:10		R2014598-14 09/24/25 11:41	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.478	96	0.478	96	0.486	97
Antimony					0.5000	0.512	102	0.510	102	0.506	101
Arsenic					0.5000	0.480	96	0.483	97	0.482	96
Barium					0.5000	0.497	99	0.493	99	0.494	99
Beryllium					0.5000	0.508	102	0.510	102	0.505	101
Cadmium					0.5000	0.508	102	0.506	101	0.500	100
Calcium					0.5000	0.513	103	0.503	101	0.504	101
Chromium					0.5000	0.505	101	0.503	101	0.500	100
Cobalt					0.5000	0.516	103	0.515	103	0.512	102
Copper					0.5000	0.515	103	0.514	103	0.511	102
Iron					0.5000	0.506	101	0.500	100	0.496	99
Lead					0.5000	0.504	101	0.509	102	0.509	102
Magnesium					0.5000	0.508	102	0.506	101	0.501	100
Manganese					0.5000	0.512	102	0.507	101	0.505	101
Nickel					0.5000	0.520	104	0.520	104	0.518	104
Potassium					5.0000	5.24	105	5.15	103	5.16	103
Selenium					0.5000	0.486	97	0.492	98	0.492	98
Silver					0.5000	0.498	100	0.502	100	0.495	99
Sodium					10.0000	10.1	101	9.96	100	10.0	100
Thallium					0.5000	0.506	101	0.512	102	0.508	102
Vanadium					0.5000	0.509	102	0.511	102	0.506	101
Zinc					0.5000	0.515	103	0.512	102	0.508	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE11

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration		Continuing Calibration(s)							
		True	Found	%R	R2014598-16 09/24/25 12:28			R2014598-18 09/24/25 13:17		R2014598-20 09/24/25 13:37	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.483	97	0.481	96	0.493	99
Antimony					0.5000	0.508	102	0.504	101	0.511	102
Arsenic					0.5000	0.485	97	0.480	96	0.483	97
Barium					0.5000	0.496	99	0.496	99	0.496	99
Beryllium					0.5000	0.504	101	0.508	102	0.507	101
Cadmium					0.5000	0.503	101	0.501	100	0.504	101
Calcium					0.5000	0.505	101	0.512	102	0.527	105
Chromium					0.5000	0.500	100	0.499	100	0.499	100
Cobalt					0.5000	0.512	102	0.509	102	0.512	102
Copper					0.5000	0.512	102	0.510	102	0.512	102
Iron					0.5000	0.497	99	0.503	101	0.503	101
Lead					0.5000	0.508	102	0.511	102	0.509	102
Magnesium					0.5000	0.505	101	0.503	101	0.511	102
Manganese					0.5000	0.504	101	0.507	101	0.508	102
Nickel					0.5000	0.518	104	0.517	103	0.519	104
Potassium					5.0000	5.20	104	5.21	104	5.23	105
Selenium					0.5000	0.488	98	0.491	98	0.488	98
Silver					0.5000	0.497	99	0.493	99	0.497	99
Sodium					10.0000	9.89	99	10.0	100	9.99	100
Thallium					0.5000	0.509	102	0.511	102	0.507	101
Vanadium					0.5000	0.509	102	0.506	101	0.510	102
Zinc					0.5000	0.508	102	0.507	101	0.510	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE11

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2014598-22 09/24/25 14:09			R2014598-24 09/24/25 14:21		R2014598-26 09/24/25 16:28	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.481	96	0.474	95	0.480	96
Antimony					0.5000	0.514	103	0.512	102	0.504	101
Arsenic					0.5000	0.486	97	0.485	97	0.486	97
Barium					0.5000	0.498	100	0.500	100	0.495	99
Beryllium					0.5000	0.510	102	0.510	102	0.506	101
Cadmium					0.5000	0.498	100	0.501	100	0.494	99
Calcium					0.5000	0.502	100	0.513	103	0.502	100
Chromium					0.5000	0.499	100	0.500	100	0.494	99
Cobalt					0.5000	0.510	102	0.511	102	0.504	101
Copper					0.5000	0.516	103	0.520	104	0.516	103
Iron					0.5000	0.496	99	0.498	100	0.491	98
Lead					0.5000	0.508	102	0.509	102	0.506	101
Magnesium					0.5000	0.507	101	0.508	102	0.492	98
Manganese					0.5000	0.505	101	0.507	101	0.504	101
Nickel					0.5000	0.515	103	0.517	103	0.509	102
Potassium					5.0000	5.36	107	5.28	106	5.12	102
Selenium					0.5000	0.497	99	0.499	100	0.496	99
Silver					0.5000	0.498	100	0.501	100	0.499	100
Sodium					10.0000	10.2	102	10.1	101	10.1	101
Thallium					0.5000	0.509	102	0.508	102	0.509	102
Vanadium					0.5000	0.506	101	0.510	102	0.503	101
Zinc					0.5000	0.503	101	0.507	101	0.496	99

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE11

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2014598-28 09/24/25 16:43			R2014598-30 09/24/25 18:15		R2014598-32 09/24/25 18:44	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.473	95	0.471	94	0.470	94
Antimony					0.5000	0.505	101	0.502	100	0.502	100
Arsenic					0.5000	0.482	96	0.480	96	0.488	98
Barium					0.5000	0.495	99	0.491	98	0.499	100
Beryllium					0.5000	0.508	102	0.501	100	0.511	102
Cadmium					0.5000	0.495	99	0.496	99	0.495	99
Calcium					0.5000	0.500	100	0.496	99	0.501	100
Chromium					0.5000	0.496	99	0.496	99	0.499	100
Cobalt					0.5000	0.507	101	0.505	101	0.510	102
Copper					0.5000	0.513	103	0.510	102	0.517	103
Iron					0.5000	0.491	98	0.489	98	0.497	99
Lead					0.5000	0.504	101	0.501	100	0.508	102
Magnesium					0.5000	0.496	99	0.495	99	0.496	99
Manganese					0.5000	0.502	100	0.501	100	0.504	101
Nickel					0.5000	0.509	102	0.512	102	0.513	103
Potassium					5.0000	5.17	103	5.18	104	5.21	104
Selenium					0.5000	0.494	99	0.482	96	0.496	99
Silver					0.5000	0.498	100	0.494	99	0.501	100
Sodium					10.0000	10.0	100	9.98	100	10.2	102
Thallium					0.5000	0.507	101	0.502	100	0.510	102
Vanadium					0.5000	0.504	101	0.503	101	0.506	101
Zinc					0.5000	0.500	100	0.502	100	0.501	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE9

Lab Number : L2556676
Project Number : BSD1504

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.0071	U
Arsenic	0.00190	U	0.00200	J	0.00190	U	0.00429	J
Barium	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.0009	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.0010	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.0017	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.0022	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.0090	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.0027	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.0016	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.0024	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.0035	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.0028	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00299	J	0.00518	J	0.00443	J	0.00548	J
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.0020	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.0021	U



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE9

Lab Number : L2556676
Project Number : BSD1504

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U	0.0318	U		
Antimony			0.00710	U	0.00710	U		
Arsenic			0.00190	U	0.00386	J		
Barium			0.00210	U	0.00210	U		
Beryllium			0.000900	U	0.000900	U		
Cadmium			0.00100	U	0.00100	U		
Calcium			0.0350	U	0.0350	U		
Chromium			0.00210	U	0.00210	U		
Cobalt			0.00170	U	0.00170	U		
Copper			0.00220	U	0.00220	U		
Iron			0.00900	U	0.00900	U		
Lead			0.00270	U	0.00270	U		
Magnesium			0.0153	U	0.0153	U		
Manganese			0.00160	U	0.00160	U		
Nickel			0.00240	U	0.00240	U		
Potassium			0.237	U	0.237	U		
Selenium			0.00350	U	0.00350	U		
Silver			0.00280	U	0.00280	U		
Sodium			0.120	U	0.120	U		
Thallium			0.00698	J	0.00570	J		
Vanadium			0.00200	U	0.00200	U		
Zinc			0.00210	U	0.00210	U		



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE7

Lab Number : L2556676
Project Number : BSD1504

Parameter	Initial Calibration		Continuing Calibration						Preparation	
	Blank		Blank(s)						Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U			0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U			0.0071	U
Barium	0.00210	U	0.00210	U	0.00210	U			0.0021	U
Beryllium	0.000900	U	0.000900	U	0.000900	U			0.0009	U
Cadmium	0.00100	U	0.00100	U	0.00100	U			0.0010	U
Calcium	0.0350	U	0.0350	U	0.0350	U			0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U			0.0021	U
Cobalt	0.00170	U	0.00170	U	0.00170	U			0.0017	U
Copper	0.00220	U	0.00220	U	0.00220	U			0.0022	U
Iron	0.00900	U	0.00900	U	0.00900	U			0.0090	U
Lead	0.00270	U	0.00270	U	0.00270	U			0.0027	U
Magnesium	0.0153	U	0.0153	U	0.0153	U			0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U			0.0016	U
Nickel	0.00240	U	0.00240	U	0.00240	U			0.0024	U
Potassium	0.237	U	0.237	U	0.237	U			0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U			0.0035	U
Silver	0.00280	U	0.00280	U	0.00280	U			0.0028	U
Sodium	0.120	U	0.120	U	0.120	U			0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U			0.0025	U
Vanadium	0.00200	U	0.00200	U	0.00200	U			0.0020	U
Zinc	0.00210	U	0.00210	U	0.00210	U			0.0021	U



Form 3 Blanks

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID :

Lab Number : L2556676
 Project Number : BSD1504

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank
	mg/l	Q	Q	Q	Q	Q	Q
Aluminum	0.0318	U					
Antimony	0.00710	U					
Barium	0.00210	U					
Beryllium	0.000900	U					
Cadmium	0.00100	U					
Calcium	0.0350	U					
Chromium	0.00210	U					
Cobalt	0.00170	U					
Copper	0.00220	U					
Iron	0.00900	U					
Lead	0.00270	U					
Magnesium	0.0153	U					
Manganese	0.00160	U					
Nickel	0.00240	U					
Potassium	0.237	U					
Selenium	0.00350	U					
Silver	0.00280	U					
Sodium	0.120	U					
Thallium	0.00250	U					
Vanadium	0.00200	U					
Zinc	0.00210	U					



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE11

Lab Number : L2556676
Project Number : BSD1504

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
	Lab ID	Date Analyzed	R2014598-2	R2014598-5	R2014598-7	R2014598-9	WG2115410-1	
			09/24/25 07:12	09/24/25 08:37	09/24/25 09:12	09/24/25 09:38	09/24/25 17:24	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U		
Antimony	0.00710	U	0.00710	U	0.00710	U		
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.0019	U
Barium	0.00210	U	0.00210	U	0.00210	U		
Beryllium	0.000900	U	0.000900	U	0.000900	U		
Cadmium	0.00100	U	0.00100	U	0.00100	U		
Calcium	0.0350	U	0.0350	U	0.0350	U		
Chromium	0.00210	U	0.00210	U	0.00210	U		
Cobalt	0.00170	U	0.00170	U	0.00170	U		
Copper	0.00220	U	0.00220	U	0.00220	U		
Iron	0.00900	U	0.00900	U	0.00900	U		
Lead	0.00270	U	0.00270	U	0.00270	U		
Magnesium	0.0153	U	0.0153	U	0.0153	U		
Manganese	0.00160	U	0.00160	U	0.00160	U		
Nickel	0.00240	U	0.00240	U	0.00240	U		
Potassium	0.237	U	0.237	U	0.237	U		
Selenium	0.00350	U	0.00350	U	0.00350	U		
Silver	0.00280	U	0.00280	U	0.00280	U		
Sodium	0.120	U	0.120	U	0.120	U		
Thallium	0.00250	U	0.00250	U	0.00250	U		
Vanadium	0.00200	U	0.00200	U	0.00200	U		
Zinc	0.00210	U	0.00210	U	0.00210	U		



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE11

Lab Number : L2556676
Project Number : BSD1504

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U
Antimony			0.00710	U	0.00710	U	0.00710	U
Arsenic			0.00190	U	0.00190	U	0.00190	U
Barium			0.00210	U	0.00210	U	0.00210	U
Beryllium			0.000900	U	0.000900	U	0.000900	U
Cadmium			0.00100	U	0.00100	U	0.00100	U
Calcium			0.0350	U	0.0350	U	0.0350	U
Chromium			0.00210	U	0.00210	U	0.00210	U
Cobalt			0.00170	U	0.00170	U	0.00170	U
Copper			0.00220	U	0.00220	U	0.00220	U
Iron			0.00900	U	0.00900	U	0.00900	U
Lead			0.00270	U	0.00270	U	0.00270	U
Magnesium			0.0153	U	0.0153	U	0.0153	U
Manganese			0.00160	U	0.00160	U	0.00160	U
Nickel			0.00240	U	0.00240	U	0.00240	U
Potassium			0.237	U	0.237	U	0.237	U
Selenium			0.00350	U	0.00350	U	0.00350	U
Silver			0.00280	U	0.00280	U	0.00280	U
Sodium			0.120	U	0.120	U	0.120	U
Thallium			0.00250	U	0.00250	U	0.00250	U
Vanadium			0.00200	U	0.00200	U	0.00200	U
Zinc			0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE11

Lab Number : L2556676
Project Number : BSD1504

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
	Lab ID	Date Analyzed	R2014598-17	09/24/25 12:30	R2014598-19	09/24/25 13:19	R2014598-21	09/24/25 13:39
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U
Antimony			0.00710	U	0.00710	U	0.00710	U
Arsenic			0.00190	U	0.00190	U	0.00190	U
Barium			0.00210	U	0.00210	U	0.00210	U
Beryllium			0.000900	U	0.000900	U	0.000900	U
Cadmium			0.00100	U	0.00100	U	0.00100	U
Calcium			0.0350	U	0.0350	U	0.0350	U
Chromium			0.00210	U	0.00210	U	0.00210	U
Cobalt			0.00170	U	0.00170	U	0.00170	U
Copper			0.00220	U	0.00220	U	0.00220	U
Iron			0.00900	U	0.00900	U	0.00900	U
Lead			0.00270	U	0.00270	U	0.00270	U
Magnesium			0.0153	U	0.0153	U	0.0153	U
Manganese			0.00160	U	0.00160	U	0.00160	U
Nickel			0.00240	U	0.00240	U	0.00240	U
Potassium			0.237	U	0.237	U	0.237	U
Selenium			0.00350	U	0.00350	U	0.00350	U
Silver			0.00280	U	0.00280	U	0.00280	U
Sodium			0.120	U	0.120	U	0.120	U
Thallium			0.00250	U	0.00250	U	0.00250	U
Vanadium			0.00200	U	0.00200	U	0.00200	U
Zinc			0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE11

Lab Number : L2556676
Project Number : BSD1504

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank
	Lab ID : Date Analyzed :		R2014598-23 09/24/25 14:11		R2014598-25 09/24/25 14:23		R2014598-27 09/24/25 16:31		
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U	
Antimony			0.00710	U	0.00710	U	0.00710	U	
Arsenic			0.00190	U	0.00190	U	0.00190	U	
Barium			0.00210	U	0.00210	U	0.00210	U	
Beryllium			0.000900	U	0.000900	U	0.000900	U	
Cadmium			0.00100	U	0.00100	U	0.00100	U	
Calcium			0.0350	U	0.0350	U	0.0350	U	
Chromium			0.00210	U	0.00210	U	0.00210	U	
Cobalt			0.00170	U	0.00170	U	0.00170	U	
Copper			0.00220	U	0.00220	U	0.00220	U	
Iron			0.00900	U	0.00900	U	0.00900	U	
Lead			0.00270	U	0.00270	U	0.00270	U	
Magnesium			0.0153	U	0.0153	U	0.0153	U	
Manganese			0.00160	U	0.00160	U	0.00160	U	
Nickel			0.00240	U	0.00240	U	0.00240	U	
Potassium			0.237	U	0.237	U	0.237	U	
Selenium			0.00350	U	0.00350	U	0.00350	U	
Silver			0.00280	U	0.00280	U	0.00280	U	
Sodium			0.508	J	0.158	J	0.120	U	
Thallium			0.00250	U	0.00250	U	0.00250	U	
Vanadium			0.00200	U	0.00200	U	0.00200	U	
Zinc			0.00210	U	0.00210	U	0.00210	U	



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE11

Lab Number : L2556676
Project Number : BSD1504

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank
	Lab ID : Date Analyzed :		R2014598-29 09/24/25 16:45		R2014598-31 09/24/25 18:17		R2014598-33 09/24/25 18:46		
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U	
Antimony			0.00710	U	0.00710	U	0.00710	U	
Arsenic			0.00190	U	0.00190	U	0.00190	U	
Barium			0.00210	U	0.00210	U	0.00210	U	
Beryllium			0.000900	U	0.000900	U	0.000900	U	
Cadmium			0.00100	U	0.00100	U	0.00100	U	
Calcium			0.0350	U	0.0350	U	0.0350	U	
Chromium			0.00210	U	0.00210	U	0.00210	U	
Cobalt			0.00170	U	0.00170	U	0.00170	U	
Copper			0.00220	U	0.00220	U	0.00220	U	
Iron			0.00900	U	0.00900	U	0.00900	U	
Lead			0.00270	U	0.00270	U	0.00270	U	
Magnesium			0.0153	U	0.0153	U	0.0153	U	
Manganese			0.00160	U	0.00160	U	0.00160	U	
Nickel			0.00240	U	0.00240	U	0.00240	U	
Potassium			0.237	U	0.237	U	0.237	U	
Selenium			0.00350	U	0.00350	U	0.00350	U	
Silver			0.00280	U	0.00280	U	0.00280	U	
Sodium			0.120	U	0.120	U	0.120	U	
Thallium			0.00250	U	0.00250	U	0.00250	U	
Vanadium			0.00200	U	0.00200	U	0.00200	U	
Zinc			0.00210	U	0.00210	U	0.00210	U	



Form 4a

Interference Check Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE9

Lab Number : L2556676
 Project Number : BSD1504
 Concentration Units : mg/l

Analyte	True		Initial Found		Final Found					
	Lab ID :		R2011845-3							
	Analysis Date :		09/17/25 08:02							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500		510.	102						
Antimony			-0.0199							
Arsenic			0.00177							
Barium			0.00208							
Beryllium			0.0000185							
Cadmium			-0.00395							
Calcium	500		479.	96						
Chromium			0.00114							
Cobalt			-0.00314							
Copper			0.00153							
Iron	200		187.	94						
Lead			-0.00551							
Magnesium	500		506.	101						
Manganese			-0.000196							
Nickel			-0.00167							
Potassium			-0.0186							
Selenium			0.00195							
Silver			0.00119							
Sodium			0.00317							
Thallium			0.00532							
Vanadium			-0.00251							
Zinc			-0.00553							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE7

Lab Number : L2556676
 Project Number : BSD1504
 Concentration Units : mg/l

Analyte	True		Initial Found		Final Found					
	Lab ID :		R2012514-5							
	Analysis Date :		09/18/25 13:42							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500		514.	103						
Antimony			-0.00374							
Barium			0.00197							
Beryllium			-0.0000929							
Cadmium			-0.00453							
Calcium	500		478.	96						
Chromium			0.000414							
Cobalt			0.000230							
Copper			0.00288							
Iron	200		184.	92						
Lead			-0.00380							
Magnesium	500		503.	101						
Manganese			0.00232							
Nickel			-0.0120							
Potassium			-0.0454							
Selenium			0.00503							
Silver			-0.00000179							
Sodium			0.0317							
Thallium			0.000931							
Vanadium			-0.00176							
Zinc			-0.000879							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE11

Lab Number : L2556676
 Project Number : BSD1504
 Concentration Units : mg/l

Analyte	True		Initial Found		Final Found					
	Lab ID :		R2014598-3							
	Analysis Date :		09/24/25 07:26							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500		542.	108						
Antimony			-0.000414							
Arsenic			-0.00676							
Barium			0.00187							
Beryllium			0.000108							
Cadmium			-0.00643							
Calcium	500		515.	103						
Chromium			0.000547							
Cobalt			-0.000492							
Copper			0.00375							
Iron	200		202.	101						
Lead			-0.00401							
Magnesium	500		518.	104						
Manganese			-0.00279							
Nickel			0.00161							
Potassium			0.0774							
Selenium			0.00250							
Silver			0.00125							
Sodium			0.0148							
Thallium			-0.000281							
Vanadium			-0.0000163							
Zinc			-0.00732							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : L2558089-01
 Matrix Spike : WG2115410-7
 Matrix Spike Dup :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/17/25 12:24
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Total	0.102	2	2.20	105					75-125	20
Antimony, Total	ND	0.5	0.517	103					75-125	20
Arsenic, Total	0.010	0.12	0.131	101					75-125	20
Barium, Total	0.108	2	2.11	100					75-125	20
Beryllium, Total	ND	0.05	0.0507	101					75-125	20
Cadmium, Total	ND	0.053	0.0479	90					75-125	20
Calcium, Total	189	10	196.	70 Q					75-125	20
Chromium, Total	ND	0.2	0.193	96					75-125	20
Cobalt, Total	ND	0.5	0.487	97					75-125	20
Copper, Total	ND	0.25	0.296	118					75-125	20
Iron, Total	0.422	1	1.41	99					75-125	20
Lead, Total	ND	0.53	0.533	100					75-125	20
Magnesium, Total	222	10	228.	60 Q					75-125	20
Manganese, Total	1.75	0.5	2.22	94					75-125	20
Nickel, Total	ND	0.5	0.487	97					75-125	20
Potassium, Total	97.0	10	107.	100					75-125	20
Selenium, Total	ND	0.12	0.118	98					75-125	20
Silver, Total	ND	0.05	0.0566	113					75-125	20
Sodium, Total	1600	10	1580	0 Q					75-125	20
Thallium, Total	0.005J	0.12	0.132	110					75-125	20
Vanadium, Total	0.005J	0.5	0.515	103					75-125	20
Zinc, Total	ND	0.5	0.412	82					75-125	20



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 8B
 Lab Sample ID : L2556676-10
 Matrix Spike : WG2114996-7
 Matrix Spike Dup :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/18/25 16:10
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Dissolved	ND	2	2.10	105					75-125	20
Antimony, Dissolved	ND	0.5	0.492	98					75-125	20
Barium, Dissolved	0.0023J	2	2.07	104					75-125	20
Beryllium, Dissolved	ND	0.05	0.0530	106					75-125	20
Cadmium, Dissolved	ND	0.053	0.0572	108					75-125	20
Calcium, Dissolved	8.08	10	18.5	104					75-125	20
Chromium, Dissolved	ND	0.2	0.216	108					75-125	20
Cobalt, Dissolved	ND	0.5	0.490	98					75-125	20
Copper, Dissolved	ND	0.25	0.246	98					75-125	20
Iron, Dissolved	0.953	1	2.03	108					75-125	20
Lead, Dissolved	0.0051J	0.53	0.574	108					75-125	20
Magnesium, Dissolved	3.60	10	14.7	111					75-125	20
Manganese, Dissolved	0.0291	0.5	0.552	104					75-125	20
Nickel, Dissolved	ND	0.5	0.528	106					75-125	20
Potassium, Dissolved	0.950J	10	11.5	115					75-125	20
Selenium, Dissolved	ND	0.12	0.126	105					75-125	20
Silver, Dissolved	ND	0.05	0.0514	103					75-125	20
Sodium, Dissolved	5.75	10	16.0	102					75-125	20
Thallium, Dissolved	ND	0.12	0.124	103					75-125	20
Vanadium, Dissolved	ND	0.5	0.549	110					75-125	20
Zinc, Dissolved	ND	0.5	0.550	110					75-125	20



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 8A
 Lab Sample ID : L2556676-09
 Matrix Spike : WG2115410-3
 Matrix Spike Dup : WG2115410-4

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/24/25 17:31
 MSD Analysis Date : 09/24/25 17:33

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Aluminum, Total	ND	2	2.03	102	2	2.03	102	0	75-125	20
Antimony, Total	ND	0.5	0.507	101	0.5	0.502	100	1	75-125	20
Arsenic, Total	ND	0.12	0.122	102	0.12	0.122	102	0	75-125	20
Barium, Total	0.0470	2	2.04	100	2	2.04	100	0	75-125	20
Beryllium, Total	ND	0.05	0.0517	103	0.05	0.0515	103	0	75-125	20
Cadmium, Total	ND	0.053	0.0520	98	0.053	0.0524	99	1	75-125	20
Calcium, Total	18.9	10	28.6	97	10	29.0	101	1	75-125	20
Chromium, Total	ND	0.2	0.198	99	0.2	0.199	100	1	75-125	20
Cobalt, Total	ND	0.5	0.491	98	0.5	0.495	99	1	75-125	20
Copper, Total	ND	0.25	0.252	101	0.25	0.250	100	1	75-125	20
Iron, Total	0.0113J	1	1.01	101	1	1.01	101	0	75-125	20
Lead, Total	ND	0.53	0.528	100	0.53	0.531	100	1	75-125	20
Magnesium, Total	3.44	10	13.2	98	10	13.4	100	2	75-125	20
Manganese, Total	0.0031J	0.5	0.502	100	0.5	0.504	101	0	75-125	20
Nickel, Total	ND	0.5	0.502	100	0.5	0.505	101	1	75-125	20
Potassium, Total	2.83	10	13.2	104	10	13.3	105	1	75-125	20
Selenium, Total	ND	0.12	0.124	103	0.12	0.123	102	1	75-125	20
Silver, Total	ND	0.05	0.0529	106	0.05	0.0525	105	1	75-125	20
Sodium, Total	15.5	10	25.3	98	10	25.6	101	1	75-125	20
Thallium, Total	ND	0.12	0.122	102	0.12	0.121	101	1	75-125	20
Vanadium, Total	ND	0.5	0.517	103	0.5	0.516	103	0	75-125	20
Zinc, Total	ND	0.5	0.506	101	0.5	0.512	102	1	75-125	20



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/17/25 12:21
Dup Sample ID	: WG2115410-8	DUP Analysis Date	: 09/17/25 12:27

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Iron, Total	0.422	0.431	2	20



Form 6 Lab Duplicates

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 8B
 Lab Sample ID : L2556676-10
 Dup Sample ID : WG2114996-8

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 Analysis Date : 09/18/25 16:06
 DUP Analysis Date : 09/18/25 16:15

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Aluminum, Dissolved	ND	ND	NC	20
Antimony, Dissolved	ND	ND	NC	20
Barium, Dissolved	0.0023J	0.0023J	NC	20
Beryllium, Dissolved	ND	ND	NC	20
Cadmium, Dissolved	ND	ND	NC	20
Calcium, Dissolved	8.08	8.11	0	20
Chromium, Dissolved	ND	ND	NC	20
Cobalt, Dissolved	ND	ND	NC	20
Copper, Dissolved	ND	ND	NC	20
Iron, Dissolved	0.953	0.962	1	20
Lead, Dissolved	0.0051J	0.0044J	NC	20
Magnesium, Dissolved	3.60	3.74	4	20
Manganese, Dissolved	0.0291	0.0297	2	20
Nickel, Dissolved	ND	ND	NC	20
Potassium, Dissolved	0.950J	0.972J	NC	20
Selenium, Dissolved	ND	ND	NC	20
Silver, Dissolved	ND	ND	NC	20
Sodium, Dissolved	5.75	5.78	1	20
Thallium, Dissolved	ND	ND	NC	20
Vanadium, Dissolved	ND	ND	NC	20
Zinc, Dissolved	ND	ND	NC	20



Form 7 Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2115410-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/17/25 12:06
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Aluminum, Total	2.00	2.09	104.					85-115	20
Barium, Total	2.00	2.01	100.					85-115	20
Beryllium, Total	0.0500	0.0512	102.					85-115	20
Cadmium, Total	0.0530	0.0530	100.					85-115	20
Calcium, Total	10.0	10.3	103.					85-115	20
Chromium, Total	0.200	0.198	99.					85-115	20
Cobalt, Total	0.500	0.493	99.					85-115	20
Copper, Total	0.250	0.242	97.					85-115	20
Iron, Total	1.00	1.01	101.					85-115	20
Lead, Total	0.530	0.532	100.					85-115	20
Magnesium, Total	10.0	9.88	99.					85-115	20
Manganese, Total	0.500	0.503	101.					85-115	20
Nickel, Total	0.500	0.504	101.					85-115	20
Potassium, Total	10.0	10.5	105.					85-115	20
Selenium, Total	0.120	0.118	98.					85-115	20
Silver, Total	0.0500	0.0524	105.					85-115	20
Sodium, Total	10.0	10.4	104.					85-115	20
Thallium, Total	0.120	0.121	101.					85-115	20
Vanadium, Total	0.500	0.510	102.					85-115	20
Zinc, Total	0.500	0.513	103.					85-115	20



Form 7 Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2114996-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/18/25 16:02
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Aluminum, Dissolved	2.00	2.02	101.					85-115	20
Antimony, Dissolved	0.500	0.470	94.					85-115	20
Barium, Dissolved	2.00	2.00	100.					85-115	20
Beryllium, Dissolved	0.0500	0.0507	101.					85-115	20
Cadmium, Dissolved	0.0530	0.0548	103.					85-115	20
Calcium, Dissolved	10.0	10.0	100.					85-115	20
Chromium, Dissolved	0.200	0.210	105.					85-115	20
Cobalt, Dissolved	0.500	0.473	95.					85-115	20
Copper, Dissolved	0.250	0.236	94.					85-115	20
Iron, Dissolved	1.00	1.02	102.					85-115	20
Lead, Dissolved	0.530	0.550	104.					85-115	20
Magnesium, Dissolved	10.0	10.7	107.					85-115	20
Manganese, Dissolved	0.500	0.507	101.					85-115	20
Nickel, Dissolved	0.500	0.508	102.					85-115	20
Potassium, Dissolved	10.0	10.2	102.					85-115	20
Selenium, Dissolved	0.120	0.118	98.					85-115	20
Silver, Dissolved	0.0500	0.0489	98.					85-115	20
Sodium, Dissolved	10.0	9.69	97.					85-115	20
Thallium, Dissolved	0.120	0.120	100.					85-115	20
Vanadium, Dissolved	0.500	0.533	107.					85-115	20
Zinc, Dissolved	0.500	0.525	105.					85-115	20



Form 7 Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2115410-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/24/25 17:26
 LCSD Analysis Date:

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Antimony, Total	0.500	0.492	98.					85-115	20
Arsenic, Total	0.120	0.119	99.					85-115	20



Form 8 Serial Dilutions

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Client Sample ID : 8B
Lab Sample ID : L2556676-10
Serial Dilution ID : WG2114996-10

Lab Number : L2556676
Project Number : BSD1504
Matrix : WATER
Analysis Date : 09/18/25 16:06
Analysis Date : 09/18/25 16:23

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
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Form 8 Serial Dilutions

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Client Sample ID : 8A
Lab Sample ID : L2556676-09
Serial Dilution ID : WG2115410-6

Lab Number : L2556676
Project Number : BSD1504
Matrix : WATER
Analysis Date : 09/24/25 17:28
Analysis Date : 09/24/25 17:37

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
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U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	___
Aluminum	396.15	0.0000000	0.0000020	-0.0000310	-0.0000090	
Antimony	206.83	-0.0000020	0.0000040	-0.0000110	-0.0000050	
Arsenic	189.04	0.0000090	-0.0000010	-0.0000700	0.0000000	
Barium	455.40	-0.0000040	-0.0000020	-0.0000110	-0.0000010	
Beryllium	313.40	-0.0000020	-0.0000020	-0.0000050	0.0000000	
Cadmium	214.44	0.0000000	-0.0000030	0.0000000	-0.0000010	
Calcium	315.89	0.0000780	0.0000000	-0.0000170	0.0000710	
Chromium	267.72	0.0000050	-0.0000020	0.0000120	0.0000000	
Cobalt	228.62	-0.0000120	-0.0000060	-0.0000250	-0.0000020	
Copper	324.75	-0.0000030	-0.0000020	-0.0000040	0.0000110	
Iron	259.94	0.0000180	-0.0000120	0.0000000	-0.0000030	
Lead	220.35	0.0001100	-0.0000010	0.0000180	-0.0000010	
Magnesium	279.08	-0.0000540	-0.0000280	0.0000190	0.0000000	
Manganese	257.61	-0.0000030	-0.0000020	-0.0000080	0.0000020	
Mercury						
Nickel	231.60	-0.0000130	-0.0000050	-0.0000240	-0.0000020	
Potassium	766.49	-0.0012590	-0.0007040	-0.0028490	-0.0002350	
Selenium	196.09	-0.0000200	0.0000000	-0.0000290	-0.0000010	
Silver	328.07	-0.0000040	-0.0000020	-0.0000090	-0.0000010	
Sodium	589.59	-0.0006160	-0.0005220	-0.0020960	-0.0001600	
Thallium	190.86	-0.0000060	-0.0000040	-0.0000050	-0.0000010	
Vanadium	292.40	-0.0000050	-0.0000030	0.0000100	-0.0000020	
Zinc	206.20	0.0002750	0.0000030	-0.0007990	-0.0000040	

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	-0.0022950	-0.0018570
Antimony	206.83	0.0000000	0.0000000	0.0000000	-0.0003900	-0.0000120
Arsenic	189.04	0.0000000	0.0000000	0.0000210	-0.0001780	-0.0001730
Barium	455.40	0.0000000	0.0000000	0.0000000	-0.0002050	-0.0002030
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000860
Cadmium	214.44	0.0000000	0.0000000	0.0000000	-0.0002090	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	-0.0020880	-0.0018790
Chromium	267.72	0.0000000	0.0000000	0.0000000	-0.0002010	-0.0003100
Cobalt	228.62	0.0000000	0.0000000	0.0000000	-0.0004810	-0.0004970
Copper	324.75	0.0000000	0.0000000	0.0000000	-0.0002330	-0.0002260
Iron	259.94	0.0000000	0.0000000	0.0000000	-0.0012310	-0.0009570
Lead	220.35	0.0000000	0.0000000	0.0000000	-0.0001700	-0.0001850
Magnesium	279.08	0.0000000	0.0000000	0.0000000	-0.0022440	-0.0017830
Manganese	257.61	0.0000000	0.0000000	0.0000000	-0.0001950	-0.0002020
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	-0.0005490	-0.0005200
Potassium	766.49	0.0000000	0.0000000	0.0000000	-0.0522980	-0.0517110
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000060	0.0000030
Silver	328.07	0.0000000	0.0000000	0.0000000	-0.0001740	-0.0001560
Sodium	589.59	0.0000000	0.0000000	0.0000000	-0.0417330	-0.0407400
Thallium	190.86	0.0000000	0.0000000	0.0000000	-0.0002650	-0.0002240
Vanadium	292.40	0.0000000	0.0000000	0.0000000	-0.0002090	-0.0002040
Zinc	206.20	0.0000000	0.0000000	0.0000000	-0.0000320	-0.0009250

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	-0.0020320	-0.0005350	-0.0005960	0.0000000	-0.0003930
Antimony	206.83	0.0049920	-0.0001600	-0.0001410	0.0000000	-0.0001780
Arsenic	189.04	0.0002670	-0.0001290	-0.0000570	0.0000000	-0.0000030
Barium	455.40	-0.0002000	-0.0000500	-0.0000660	0.0000000	-0.0000350
Beryllium	313.40	-0.0000900	-0.0000220	-0.0000300	0.0000000	-0.0000110
Cadmium	214.44	-0.0000290	-0.0000520	-0.0000680	0.0000000	-0.0000270
Calcium	315.89	-0.0020720	0.0009940	-0.0005720	0.0000000	-0.0000920
Chromium	267.72	0.0000000	-0.0000480	-0.0000690	0.0000000	0.0001140
Cobalt	228.62	-0.0005870	0.0000000	-0.0001660	0.0000000	-0.0000740
Copper	324.75	-0.0002130	-0.0000490	0.0000000	0.0000000	0.0000300
Iron	259.94	-0.0010370	-0.0002940	-0.0003760	0.0000000	-0.0001890
Lead	220.35	-0.0001960	-0.0003260	0.0002710	0.0000000	0.0000640
Magnesium	279.08	-0.0024620	-0.0005640	-0.0008730	0.0000000	-0.0069760
Manganese	257.61	-0.0002060	-0.0000480	-0.0000750	0.0000000	0.0000000
Mercury						
Nickel	231.60	-0.0005230	-0.0002210	-0.0001810	0.0000000	-0.0000730
Potassium	766.49	-0.0512430	-0.0126240	-0.0178480	0.0000000	-0.0089880
Selenium	196.09	-0.0000520	0.0000530	-0.0000240	0.0000000	0.0003780
Silver	328.07	-0.0001430	-0.0000370	-0.0000450	0.0000000	0.0001940
Sodium	589.59	-0.0407180	-0.0097580	-0.0137660	0.0000000	-0.0070470
Thallium	190.86	-0.0000390	0.0020440	-0.0000840	-0.0000200	0.0003990
Vanadium	292.40	-0.0002210	-0.0000500	-0.0000650	0.0000000	0.0001060
Zinc	206.20	-0.0012900	0.0000070	0.0003430	0.0001200	-0.0001520

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	0.0001500	0.0000000	-0.0004550	0.0000000	0.0038670
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000380	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Lead	220.35	0.0001750	0.0000000	0.0002100	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	-0.0000350	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000100	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0017890	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	0.0000000	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	0.0000000	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0000000	0.0000000		
Vanadium	292.40	0.0011610	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

EPA 200.7, EPA 6010D		Linear Dynamic Range					
		All values are in mg/L and are 90% of the established LDR concentration.					
Instrument ID:		Trace 4	Trace 5	Trace 6	Trace 7	Trace 8	Trace 9
2023 Complete		☐	☐	☐	☐	☐	☐
Ag	Silver	36	27	9	13	90	45
Al	Aluminum	900	540	450	900	900	900
As	Arsenic	90	54	90	72	180	90
B	Boron	90	90	9	45	90	54
Ba	Barium	90	27	18	13	135	27
Be	Beryllium	27	36	9	9	11	31
Ca	Calcium	450	900	675	900	900	900
Cd	Cadmium	11	9	9	11	27	18
Co	Cobalt	90	63	45	22	135	90
Cr	Chromium	45	63	9	45	157	90
Cu	Copper	90	54	45	45	90	67
Fe	Iron	630	900	450	450	540	540
K	Potassium	900	900	675	720	900	900
Mg	Magnesium	450	900	360	900	900	900
Mn	Manganese	90	31	90	67	90	90
Mo	Molybdenum	45	36	9	22	67	45
Na	Sodium	675	900	450	405	630	900
Ni	Nickel	90	45	45	22	135	90
Pb	Lead	180	180	90	90	225	90
S	Sulfur	-	90	-	-	-	-
Sb	Antimony	22	45	45	4.5	90	45
Se	Selenium	27	27	45	22	15	45
Si	Silica	45	90	22	22	90	45
Sn	Tin	45	45	13	22	72	45
Sr	Strontium	45	45	9	9	67	45
Ti	Titanium	45	90	9	90	72	45
Tl	Thallium	45	90	45	22	135	45
V	Vanadium	90	90	90	90	112	45
Zn	Zinc	45	27	45	22	63	22

Form 12

Preparation Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Matrix : WATER

Lab Number : L2556676
Project Number : BSD1504
Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
WG2115410-1	09/16/25 10:48	-	50
WG2115410-2	09/16/25 10:48	-	50
WG2115410-7	09/16/25 10:48	-	50
WG2115410-8	09/16/25 10:48	-	50



Form 12

Preparation Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Matrix : WATER

Lab Number : L2556676
Project Number : BSD1504
Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2556676-10	09/15/25 20:09	-	50
WG2114996-1	09/15/25 20:09	-	50
WG2114996-2	09/15/25 20:09	-	50
WG2114996-7	09/15/25 20:09	-	50
WG2114996-8	09/15/25 20:09	-	50
WG2114996-9	09/15/25 20:09	-	50
WG2114996-10	09/15/25 20:09	-	50



Form 12

Preparation Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Matrix : WATER

Lab Number : L2556676
Project Number : BSD1504
Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2556676-02	09/16/25 10:48	-	50
L2556676-03	09/16/25 10:48	-	50
L2556676-04	09/16/25 10:48	-	50
L2556676-05	09/16/25 10:48	-	50
L2556676-06	09/16/25 10:48	-	50
L2556676-07	09/16/25 10:48	-	50
L2556676-08	09/16/25 10:48	-	50
L2556676-09	09/16/25 10:48	-	50
L2556676-10	09/16/25 10:48	-	50
L2556676-11	09/16/25 10:48	-	50
L2556676-12	09/16/25 10:48	-	50
WG2115410-1	09/16/25 10:48	-	50
WG2115410-2	09/16/25 10:48	-	50
WG2115410-3	09/16/25 10:48	-	50
WG2115410-4	09/16/25 10:48	-	50
WG2115410-5	09/16/25 10:48	-	50
WG2115410-6	09/16/25 10:48	-	50



Form 13

Analysis Run Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE9
Start Date : 09/17/25 07:49

Lab Number : L2556676
Project Number : BSD1504
Analysis Method : 19,200.7
End Date : 09/17/25 12:40

[illegible]

Form 13

Analysis Run Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE7
Start Date : 09/18/25 13:13

Lab Number : L2556676
Project Number : BSD1504
Analysis Method : 19,200.7
End Date : 09/18/25 16:45

[illegible]

Form 13

Analysis Run Log

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE11
 Start Date : 09/24/25 07:10

Lab Number : L2556676
 Project Number : BSD1504
 Analysis Method : 19,200.7
 End Date : 09/24/25 18:46

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total				
R2014598-1 ICV	1	07:10:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-2 ICB	1	07:12:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-3 ICSEA	1	07:26:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-4 CCV	1	08:35:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-5 CCB	1	08:37:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-6 CCV	1	09:09:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-7 CCB	1	09:12:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-8 CCV	1	09:36:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-9 CCB	1	09:38:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-10 CCV	1	10:08:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-11 CCB	1	10:10:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-12 CCV	1	11:10:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-13 CCB	1	11:12:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-14 CCV	1	11:41:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-15 CCB	1	11:43:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-16 CCV	1	12:28:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-17 CCB	1	12:30:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-18 CCV	1	13:17:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-19 CCB	1	13:19:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-20 CCV	1	13:37:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-21 CCB	1	13:39:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-22 CCV	1	14:09:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-23 CCB	1	14:11:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-24 CCV	1	14:21:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-25 CCB	1	14:23:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-26 CCV	1	16:28:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-27 CCB	1	16:31:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				



Form 13 Analysis Run Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE11
Start Date : 09/24/25 07:10

Lab Number : L2556676
Project Number : BSD1504
Analysis Method : 19,200.7
End Date : 09/24/25 18:46

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total				
R2014598-28 CCV	1	16:43:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-29 CCB	1	16:45:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2115410-1 BLANK	1	17:24:26			X																							
WG2115410-2 LCS	1	17:26:45		X	X																							
L2556676-09	1	17:28:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2115410-3 MS	1	17:31:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2115410-4 MSD	1	17:33:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2115410-5 PS	1	17:35:27																										
WG2115410-6 SERDIL	5	17:37:33																										
L2556676-02	1	17:39:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2556676-03	1	17:41:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2556676-04	1	17:43:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-30 CCV	1	18:15:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-31 CCB	1	18:17:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2556676-05	1	18:22:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2556676-06	1	18:24:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2556676-07	1	18:26:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2556676-08	1	18:28:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2556676-10	1	18:31:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2556676-11	1	18:33:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2556676-12	1	18:35:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-32 CCV	1	18:44:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2014598-33 CCB	1	18:46:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				



Please Note that the information provided in this table is subject to change at anytime at the discretion of **the laboratory**.

Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: Blank EFM Trace9
 Analysis started at: 9/17/2025 7:43:20 AM
 Rack: 0
 Vial: 1
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.2 %	-0.2 %	-1.3 %	-0.1 %	0.2 %	-0.1 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	1.9 %	0.3 %	-0.3 %	-0.2 %	0.2 %	-0.2 %	6.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.6 %	-0.8 %	1.7 %	-0.6 %	0.3 %	0.6 %	13.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.5 %	0.1 %	1.5 %	0.8 %	-0.3 %	-0.4 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: ICAL
 Analysis started at: 9/17/2025 7:46:45 AM
 Rack: 0
 Vial: 2
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	0.9973 ppm	25.3406 ppm	0.9985 ppm	0.9927 ppm	1.0117 ppm	1.0092 ppm	10.0808 ppm
Concentration per Run 2	0.9972 ppm	24.5980 ppm	1.0031 ppm	1.0021 ppm	0.9796 ppm	0.9834 ppm	9.9143 ppm
Concentration per Run 3	1.0055 ppm	25.0613 ppm	0.9984 ppm	1.0052 ppm	1.0086 ppm	1.0074 ppm	10.0049 ppm
Concentration RSD	0.5 %	1.5 %	0.3 %	0.6 %	1.8 %	1.4 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9973 ppm	0.9954 ppm	0.9960 ppm	0.9980 ppm	25.1016 ppm	35.3233 ppm	1.0084 ppm
Concentration per Run 2	0.9960 ppm	0.9992 ppm	0.9952 ppm	0.9976 ppm	24.7972 ppm	34.4479 ppm	0.9821 ppm
Concentration per Run 3	1.0067 ppm	1.0055 ppm	1.0088 ppm	1.0044 ppm	25.1012 ppm	35.2287 ppm	1.0095 ppm
Concentration RSD	0.6 %	0.5 %	0.8 %	0.4 %	0.7 %	1.4 %	1.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	9.9569 ppm	1.0066 ppm	0.9941 ppm	25.1744 ppm	0.9984 ppm	0.9991 ppm	0.9950 ppm
Concentration per Run 2	9.9908 ppm	0.9893 ppm	0.9959 ppm	24.8975 ppm	0.9932 ppm	1.0046 ppm	0.9918 ppm
Concentration per Run 3	10.0522 ppm	1.0040 ppm	1.0100 ppm	24.9281 ppm	1.0084 ppm	0.9963 ppm	1.0131 ppm
Concentration RSD	0.5 %	0.9 %	0.9 %	0.6 %	0.8 %	0.4 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9952 ppm	9.9580 ppm	1.0002 ppm	1.0139 ppm	0.9983 ppm	0.9983 ppm	0.9969 ppm
Concentration per Run 2	1.0047 ppm	9.9363 ppm	1.0018 ppm	0.9752 ppm	0.9967 ppm	1.0036 ppm	0.9979 ppm
Concentration per Run 3	1.0000 ppm	10.1057 ppm	0.9980 ppm	1.0109 ppm	1.0051 ppm	0.9981 ppm	1.0052 ppm
Concentration RSD	0.5 %	0.9 %	0.2 %	2.2 %	0.4 %	0.3 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0000 ppm	103.6729 %	104.0300 %	101.6809 %	102.0670 %	101.6397 %	100.5266 %
Concentration per Run 1	0.9972 ppm	104.0366 %	103.1942 %	101.8893 %	102.1406 %	101.2174 %	100.7930 %
Concentration per Run 2	0.9948 ppm	103.1459 %	106.2416 %	101.2825 %	101.7628 %	102.7664 %	99.6318 %
Concentration per Run 3	1.0080 ppm	103.8362 %	102.6542 %	101.8710 %	102.2975 %	100.9352 %	101.1549 %
Concentration RSD	0.7 %	0.5 %	1.9 %	0.3 %	0.3 %	1.0 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: ICV
 Analysis started at: 9/17/2025 7:49:58 AM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4920 ppm	0.5020 ppm	0.4984 ppm	0.5005 ppm	0.5055 ppm	0.5185 ppm	0.5019 ppm
Concentration per Run 1	0.4925 ppm	0.5107 ppm	0.5065 ppm	0.5021 ppm	0.5026 ppm	0.5177 ppm	0.5003 ppm
Concentration per Run 2	0.4925 ppm	0.4971 ppm	0.4935 ppm	0.4961 ppm	0.5094 ppm	0.5210 ppm	0.5055 ppm
Concentration per Run 3	0.4911 ppm	0.4982 ppm	0.4952 ppm	0.5034 ppm	0.5045 ppm	0.5168 ppm	0.5000 ppm
Recovery Percentage 1	98.401 %	100.398 %	99.677 %	100.110 %	101.100 %	103.698 %	100.387 %
Concentration RSD	0.2 %	1.5 %	1.4 %	0.8 %	0.7 %	0.4 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5126 ppm	0.5152 ppm	0.5117 ppm	0.5027 ppm	0.5123 ppm	5.2180 ppm	0.5225 ppm
Concentration per Run 1	0.5136 ppm	0.5152 ppm	0.5113 ppm	0.5045 ppm	0.5146 ppm	5.2164 ppm	0.5191 ppm
Concentration per Run 2	0.5128 ppm	0.5160 ppm	0.5114 ppm	0.5024 ppm	0.5137 ppm	5.2483 ppm	0.5273 ppm
Concentration per Run 3	0.5115 ppm	0.5143 ppm	0.5125 ppm	0.5011 ppm	0.5084 ppm	5.1893 ppm	0.5210 ppm
Recovery Percentage 1	102.526 %	103.035 %	102.349 %	100.533 %	102.455 %	104.360 %	104.491 %
Concentration RSD	0.2 %	0.2 %	0.1 %	0.3 %	0.7 %	0.6 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4903 ppm	0.5188 ppm	0.5080 ppm	10.3423 ppm	0.5159 ppm	0.5122 ppm	0.5187 ppm
Concentration per Run 1	0.4934 ppm	0.5174 ppm	0.5093 ppm	10.3823 ppm	0.5120 ppm	0.5138 ppm	0.5192 ppm
Concentration per Run 2	0.4882 ppm	0.5232 ppm	0.5085 ppm	10.3992 ppm	0.5167 ppm	0.5090 ppm	0.5202 ppm
Concentration per Run 3	0.4892 ppm	0.5157 ppm	0.5061 ppm	10.2455 ppm	0.5191 ppm	0.5138 ppm	0.5167 ppm
Recovery Percentage 1	98.053 %	103.753 %	101.594 %	103.423 %	103.187 %	102.437 %	103.738 %
Concentration RSD	0.6 %	0.8 %	0.3 %	0.8 %	0.7 %	0.5 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.5024 ppm	5.4375 ppm	0.5020 ppm	0.5099 ppm	0.5036 ppm	0.4998 ppm	0.5137 ppm
Concentration per Run 1	0.5088 ppm	5.4364 ppm	0.5019 ppm	0.5078 ppm	0.5038 ppm	0.5003 ppm	0.5147 ppm
Concentration per Run 2	0.4957 ppm	5.4503 ppm	0.5051 ppm	0.5143 ppm	0.5053 ppm	0.4965 ppm	0.5155 ppm
Concentration per Run 3	0.5027 ppm	5.4259 ppm	0.4988 ppm	0.5075 ppm	0.5018 ppm	0.5026 ppm	0.5110 ppm
Recovery Percentage 1	100.477 %	103.572 %	100.393 %	101.975 %	100.722 %	99.960 %	102.742 %
Concentration RSD	1.3 %	0.2 %	0.6 %	0.8 %	0.3 %	0.6 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5181 ppm	102.6124 %	104.2601 %	101.3151 %	101.6682 %	102.2635 %	100.3839 %
Concentration per Run 1	0.5177 ppm	102.6772 %	104.6974 %	100.9688 %	101.6956 %	102.5850 %	100.4323 %
Concentration per Run 2	0.5181 ppm	102.6893 %	103.5535 %	101.4208 %	101.4793 %	101.8530 %	100.1744 %
Concentration per Run 3	0.5183 ppm	102.4706 %	104.5295 %	101.5557 %	101.8296 %	102.3523 %	100.5450 %
Recovery Percentage 1	103.613 %						
Concentration RSD	0.1 %	0.1 %	0.6 %	0.3 %	0.2 %	0.4 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: ICB
Analysis started at: 9/17/2025 7:53:13 AM
Rack: 0
Vial: 4
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	0.0042 ppm	0.0017 ppm	0.0014 ppm	0.0001 ppm	0.0001 ppm	-0.0043 ppm
Concentration per Run 1	-0.0015 ppm	0.0067 ppm	0.0015 ppm	0.0028 ppm	0.0000 ppm	0.0001 ppm	-0.0026 ppm
Concentration per Run 2	0.0006 ppm	0.0029 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	-0.0053 ppm
Concentration per Run 3	0.0004 ppm	0.0032 ppm	0.0034 ppm	0.0012 ppm	0.0002 ppm	0.0000 ppm	-0.0048 ppm
Recovery Percentage 1	-2.440 %	4.246 %	34.403 %	4.812 %	0.960 %	1.419 %	-4.272 %
Concentration RSD	669.7 %	50.3 %	89.2 %	90.2 %	140.9 %	92.6 %	33.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0005 ppm	0.0008 ppm	0.0001 ppm	0.0006 ppm	-0.0017 ppm	-0.0001 ppm
Concentration per Run 1	0.0004 ppm	-0.0005 ppm	0.0014 ppm	-0.0007 ppm	0.0026 ppm	-0.0090 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	-0.0007 ppm	0.0011 ppm	0.0009 ppm	-0.0021 ppm	-0.0013 ppm	-0.0011 ppm
Concentration per Run 3	0.0000 ppm	-0.0005 ppm	0.0001 ppm	0.0001 ppm	0.0012 ppm	0.0052 ppm	0.0004 ppm
Recovery Percentage 1	2.466 %	-2.748 %	8.441 %	0.949 %	1.123 %	-0.068 %	-1.250 %
Concentration RSD	183.8 %	17.9 %	79.7 %	865.1 %	423.1 %	416.4 %	1,484.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0007 ppm	0.0000 ppm	0.0021 ppm	-0.0082 ppm	0.0001 ppm	-0.0017 ppm	0.0053 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0014 ppm	-0.0103 ppm	0.0014 ppm	-0.0002 ppm	0.0061 ppm
Concentration per Run 2	0.0004 ppm	0.0001 ppm	0.0019 ppm	-0.0086 ppm	0.0001 ppm	-0.0024 ppm	0.0006 ppm
Concentration per Run 3	-0.0024 ppm	0.0001 ppm	0.0029 ppm	-0.0056 ppm	-0.0011 ppm	-0.0026 ppm	0.0092 ppm
Recovery Percentage 1	-0.669 %	0.097 %	4.128 %	-0.408 %	0.554 %	-17.134 %	10.623 %
Concentration RSD	220.7 %	1,809.3 %	38.8 %	29.4 %	901.2 %	78.1 %	82.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0002 ppm	-0.0086 ppm	0.0034 ppm	0.0000 ppm	0.0005 ppm	0.0030 ppm	0.0000 ppm
Concentration per Run 1	-0.0005 ppm	-0.0060 ppm	0.0029 ppm	0.0000 ppm	-0.0003 ppm	0.0047 ppm	0.0011 ppm
Concentration per Run 2	-0.0015 ppm	-0.0062 ppm	0.0029 ppm	0.0001 ppm	0.0006 ppm	0.0012 ppm	-0.0006 ppm
Concentration per Run 3	0.0026 ppm	-0.0135 ppm	0.0044 ppm	0.0000 ppm	0.0013 ppm	0.0030 ppm	-0.0005 ppm
Recovery Percentage 1	2.133 %	-1.713 %	6.801 %	0.457 %	5.391 %	14.959 %	-0.018 %
Concentration RSD	1,015.9 %	49.7 %	25.2 %	126.2 %	152.0 %	59.2 %	52,620.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	100.7119 %	102.2532 %	101.8872 %	101.6583 %	102.2202 %	102.3631 %
Concentration per Run 1	0.0003 ppm	100.7936 %	102.0155 %	101.2749 %	101.7676 %	102.5158 %	101.7234 %
Concentration per Run 2	-0.0001 ppm	100.0276 %	101.8384 %	101.2836 %	100.8785 %	101.6140 %	102.1909 %
Concentration per Run 3	0.0003 ppm	101.3144 %	102.9056 %	103.1032 %	102.3288 %	102.5307 %	103.1750 %
Recovery Percentage 1	2.947 %						
Concentration RSD	144.0 %	0.6 %	0.6 %	1.0 %	0.7 %	0.5 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: LLOQ
Analysis started at: 9/17/2025 7:59:22 AM
Rack: 0
Vial: 5
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0045 ppm	0.1074 ppm	0.0073 ppm	0.0311 ppm	0.0107 ppm	0.0053 ppm	0.1063 ppm
Concentration per Run 1	0.0050 ppm	0.1086 ppm	0.0095 ppm	0.0317 ppm	0.0106 ppm	0.0053 ppm	0.1050 ppm
Concentration per Run 2	0.0036 ppm	0.1100 ppm	0.0087 ppm	0.0296 ppm	0.0107 ppm	0.0053 ppm	0.1048 ppm
Concentration per Run 3	0.0049 ppm	0.1037 ppm	0.0038 ppm	0.0321 ppm	0.0107 ppm	0.0053 ppm	0.1091 ppm
Recovery Percentage 1	89.871 %	107.446 %	146.538 %	103.825 %	106.567 %	106.148 %	106.330 %
Concentration RSD	18.1 %	3.1 %	42.2 %	4.3 %	0.3 %	0.3 %	2.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0041 ppm	0.0099 ppm	0.0103 ppm	0.0102 ppm	0.0554 ppm	2.7381 ppm	0.0112 ppm
Concentration per Run 1	0.0040 ppm	0.0095 ppm	0.0104 ppm	0.0103 ppm	0.0566 ppm	2.7388 ppm	0.0117 ppm
Concentration per Run 2	0.0043 ppm	0.0105 ppm	0.0101 ppm	0.0101 ppm	0.0541 ppm	2.7278 ppm	0.0107 ppm
Concentration per Run 3	0.0039 ppm	0.0098 ppm	0.0105 ppm	0.0101 ppm	0.0556 ppm	2.7476 ppm	0.0114 ppm
Recovery Percentage 1	101.424 %	99.196 %	103.024 %	101.678 %	110.890 %	109.524 %	112.448 %
Concentration RSD	5.0 %	5.2 %	1.9 %	1.6 %	2.3 %	0.4 %	4.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.1019 ppm	0.0106 ppm	0.0509 ppm	2.1108 ppm	0.0195 ppm	0.0103 ppm	0.0541 ppm
Concentration per Run 1	0.1022 ppm	0.0106 ppm	0.0509 ppm	2.1161 ppm	0.0197 ppm	0.0111 ppm	0.0505 ppm
Concentration per Run 2	0.1021 ppm	0.0106 ppm	0.0515 ppm	2.1042 ppm	0.0194 ppm	0.0084 ppm	0.0568 ppm
Concentration per Run 3	0.1014 ppm	0.0106 ppm	0.0502 ppm	2.1120 ppm	0.0193 ppm	0.0114 ppm	0.0550 ppm
Recovery Percentage 1	101.862 %	106.038 %	101.786 %	105.539 %	97.268 %	103.075 %	108.223 %
Concentration RSD	0.4 %	0.4 %	1.3 %	0.3 %	1.0 %	16.0 %	6.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0053 ppm	0.5219 ppm	0.0519 ppm	0.0104 ppm	0.0099 ppm	0.0207 ppm	0.0103 ppm
Concentration per Run 1	0.0047 ppm	0.5220 ppm	0.0497 ppm	0.0104 ppm	0.0110 ppm	0.0236 ppm	0.0112 ppm
Concentration per Run 2	0.0063 ppm	0.5221 ppm	0.0520 ppm	0.0105 ppm	0.0098 ppm	0.0213 ppm	0.0099 ppm
Concentration per Run 3	0.0048 ppm	0.5217 ppm	0.0540 ppm	0.0103 ppm	0.0090 ppm	0.0172 ppm	0.0098 ppm
Recovery Percentage 1	52.602 %	104.385 %	103.742 %	103.896 %	99.123 %	103.476 %	102.973 %
Concentration RSD	17.4 %	0.0 %	4.1 %	1.2 %	10.1 %	15.6 %	7.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0058 ppm	101.3941 %	101.7353 %	100.0800 %	100.0399 %	100.3308 %	99.7116 %
Concentration per Run 1	0.0057 ppm	101.9049 %	101.3541 %	100.3445 %	100.4799 %	99.4489 %	100.1119 %
Concentration per Run 2	0.0053 ppm	101.9615 %	102.1931 %	99.9332 %	99.6714 %	101.4225 %	99.3761 %
Concentration per Run 3	0.0064 ppm	100.3161 %	101.6587 %	99.9625 %	99.9685 %	100.1211 %	99.6467 %
Recovery Percentage 1	116.701 %						
Concentration RSD	9.2 %	0.9 %	0.4 %	0.2 %	0.4 %	1.0 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: ICSA
Analysis started at: 9/17/2025 8:02:41 AM
Rack: 0
Vial: 6
Comment: LDR +/-10%

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0012 ppm	510.2481 [SIC 500]	0.0018 ppm	-0.0062 ppm	0.0021 ppm	0.0000 ppm	479.1847 ppm
Concentration per Run 1	0.0007 ppm	513.5671 ppm	0.0044 ppm	-0.0067 ppm	0.0021 ppm	0.0000 ppm	481.5095 ppm
Concentration per Run 2	0.0015 ppm	508.3852 ppm	0.0018 ppm	-0.0030 ppm	0.0021 ppm	0.0000 ppm	477.9378 ppm
Concentration per Run 3	0.0014 ppm	508.7919 ppm	-0.0009 ppm	-0.0088 ppm	0.0021 ppm	0.0000 ppm	478.1067 ppm
Recovery Percentage 1	17.017 %		35.359 %	-20.568 %	20.751 %	0.463 %	
Concentration RSD	39.3 %	0.6 %	151.2 %	48.2 %	1.2 %	149.6 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0040 ppm	-0.0031 ppm	0.0011 ppm	0.0015 ppm	187.0225 ppm	-0.0186 ppm	-0.0011 ppm
Concentration per Run 1	-0.0035 ppm	-0.0025 ppm	0.0008 ppm	0.0013 ppm	187.8082 ppm	-0.0198 ppm	-0.0008 ppm
Concentration per Run 2	-0.0042 ppm	-0.0029 ppm	0.0006 ppm	0.0018 ppm	186.4397 ppm	-0.0101 ppm	-0.0012 ppm
Concentration per Run 3	-0.0041 ppm	-0.0041 ppm	0.0021 ppm	0.0014 ppm	186.8196 ppm	-0.0259 ppm	-0.0013 ppm
Recovery Percentage 1	-79.053 %	-15.698 %	11.445 %	15.293 %		-0.744 %	-21.990 %
Concentration RSD	9.6 %	26.5 %	72.5 %	18.6 %	0.4 %	43.0 %	22.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	506.0764 [SIC 700]	-0.0002 ppm	-0.0035 ppm	0.0032 ppm	-0.0017 ppm	-0.0055 ppm	-0.0199 ppm
Concentration per Run 1	505.8703 ppm	-0.0005 ppm	-0.0042 ppm	0.0026 ppm	-0.0005 ppm	-0.0083 ppm	-0.0140 ppm
Concentration per Run 2	509.1333 ppm	0.0000 ppm	-0.0016 ppm	0.0062 ppm	-0.0013 ppm	-0.0062 ppm	-0.0140 ppm
Concentration per Run 3	503.2256 ppm	-0.0001 ppm	-0.0047 ppm	0.0007 ppm	-0.0032 ppm	-0.0020 ppm	-0.0317 ppm
Recovery Percentage 1		-1.960 %	-6.959 %	0.158 %	-6.688 %	-55.071 %	-39.803 %
Concentration RSD	0.6 %	137.7 %	46.9 %	87.3 %	80.0 %	58.5 %	51.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0020 ppm	0.0095 ppm	0.0018 ppm	0.0059 ppm	0.0003 ppm	0.0053 ppm	-0.0025 ppm
Concentration per Run 1	0.0046 ppm	0.0118 ppm	0.0018 ppm	0.0059 ppm	-0.0002 ppm	0.0040 ppm	-0.0026 ppm
Concentration per Run 2	-0.0004 ppm	0.0125 ppm	0.0004 ppm	0.0059 ppm	0.0000 ppm	0.0071 ppm	-0.0029 ppm
Concentration per Run 3	0.0017 ppm	0.0042 ppm	0.0033 ppm	0.0058 ppm	0.0011 ppm	0.0048 ppm	-0.0020 ppm
Recovery Percentage 1	19.544 %	1.904 %	3.675 %	58.590 %	2.961 %	26.577 %	-25.072 %
Concentration RSD	128.5 %	48.1 %	77.8 %	1.0 %	234.3 %	30.6 %	17.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0055 ppm	97.5755 %	96.4914 %	89.6651 %	93.0820 %	94.8256 %	92.2455 %
Concentration per Run 1	-0.0049 ppm	97.7206 %	96.1182 %	88.9289 %	93.0699 %	94.5997 %	92.1143 %
Concentration per Run 2	-0.0061 ppm	96.6936 %	97.1006 %	89.9077 %	92.7607 %	95.4434 %	92.0425 %
Concentration per Run 3	-0.0055 ppm	98.3122 %	96.2554 %	90.1589 %	93.4155 %	94.4336 %	92.5796 %
Recovery Percentage 1	-110.545 %						
Concentration RSD	11.3 %	0.8 %	0.6 %	0.7 %	0.4 %	0.6 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: SIC Multi
Analysis started at: 9/17/2025 8:07:27 AM
Rack: 0
Vial: 7
Comment: LDR +/-10%

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0023 ppm	0.0697 ppm	-0.0003 ppm	0.0053 ppm	0.0009 ppm	-0.0036 ppm	0.0166 ppm
Concentration per Run 1	-0.0026 ppm	0.0768 ppm	0.0014 ppm	0.0052 ppm	0.0008 ppm	-0.0035 ppm	0.0142 ppm
Concentration per Run 2	-0.0023 ppm	0.0691 ppm	-0.0008 ppm	0.0053 ppm	0.0010 ppm	-0.0036 ppm	0.0218 ppm
Concentration per Run 3	-0.0021 ppm	0.0632 ppm	-0.0014 ppm	0.0055 ppm	0.0009 ppm	-0.0038 ppm	0.0138 ppm
Recovery Percentage 1	-33.335 %	69.707 %	-5.899 %	17.796 %	9.036 %	-90.965 %	16.601 %
Concentration RSD	12.4 %	9.7 %	494.8 %	3.3 %	8.2 %	5.0 %	27.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0004 ppm	-0.0031 ppm	21.2136 ppm	-0.0028 ppm	0.0368 ppm	0.0396 ppm	0.0007 ppm
Concentration per Run 1	0.0003 ppm	-0.0030 ppm	21.3625 ppm	-0.0024 ppm	0.0364 ppm	0.0572 ppm	-0.0006 ppm
Concentration per Run 2	0.0004 ppm	-0.0024 ppm	21.1732 ppm	-0.0032 ppm	0.0360 ppm	0.0199 ppm	0.0009 ppm
Concentration per Run 3	0.0003 ppm	-0.0038 ppm	21.1050 ppm	-0.0029 ppm	0.0378 ppm	0.0417 ppm	0.0019 ppm
Recovery Percentage 1	7.080 %	-15.324 %	212,135.540 %	-28.069 %	73.529 %	1.584 %	14.323 %
Concentration RSD	17.2 %	23.1 %	0.6 %	14.8 %	2.6 %	47.3 %	174.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0637 ppm	21.1872 [SIC 100]	-0.0017 ppm	0.0171 ppm	0.0010 ppm	-0.0037 ppm	-0.0007 ppm
Concentration per Run 1	0.0735 ppm	21.1289 ppm	-0.0014 ppm	0.0210 ppm	0.0016 ppm	-0.0040 ppm	0.0022 ppm
Concentration per Run 2	0.0641 ppm	21.3265 ppm	-0.0017 ppm	0.0186 ppm	0.0010 ppm	-0.0074 ppm	0.0023 ppm
Concentration per Run 3	0.0536 ppm	21.1063 ppm	-0.0019 ppm	0.0118 ppm	0.0004 ppm	0.0005 ppm	-0.0066 ppm
Recovery Percentage 1	63.737 %	211,872.448 %	-3.371 %	0.856 %	3.873 %	-36.507 %	-1.439 %
Concentration RSD	15.7 %	0.6 %	13.6 %	28.0 %	62.7 %	108.8 %	705.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0084 ppm	-0.6251 ppm	0.0054 ppm	0.0007 ppm	20.6116 ppm	0.0109 ppm	10.4488 [SIC 10]
Concentration per Run 1	-0.0065 ppm	-0.6536 ppm	0.0049 ppm	0.0006 ppm	20.7647 ppm	0.0078 ppm	10.5133 ppm
Concentration per Run 2	-0.0092 ppm	-0.6140 ppm	0.0057 ppm	0.0007 ppm	20.5326 ppm	0.0092 ppm	10.4179 ppm
Concentration per Run 3	-0.0094 ppm	-0.6078 ppm	0.0056 ppm	0.0007 ppm	20.5375 ppm	0.0155 ppm	10.4153 ppm
Recovery Percentage 1	-83.501 %	-125.025 %	10.764 %	6.559 %	206,116.072 %	54.287 %	104,488.169 %
Concentration RSD	19.7 %	4.0 %	8.3 %	10.6 %	0.6 %	38.0 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0007 ppm	101.4217 %	102.1298 %	103.0031 %	100.2546 %	100.5874 %	100.8719 %
Concentration per Run 1	-0.0005 ppm	101.2488 %	102.4701 %	103.3034 %	100.1773 %	100.7463 %	100.8775 %
Concentration per Run 2	-0.0002 ppm	101.5923 %	101.2498 %	103.4105 %	99.5002 %	100.0036 %	101.5425 %
Concentration per Run 3	-0.0013 ppm	101.4240 %	102.6695 %	102.2954 %	101.0862 %	101.0122 %	100.1958 %
Recovery Percentage 1	-13.688 %						
Concentration RSD	81.1 %	0.2 %	0.8 %	0.6 %	0.8 %	0.5 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: LDR Check
 Analysis started at: 9/17/2025 8:11:14 AM
 Rack: 0
 Vial: 8
 Comment: LDR +/-10%

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	0.1200 ppm	5.0299 ppm	5.0792 [SIC 50]	9.8775 ppm	0.0001 ppm	0.0070 ppm
Concentration per Run 1	0.0012 ppm	0.1152 ppm	5.0095 ppm	5.1207 ppm	9.8823 ppm	0.0002 ppm	0.0054 ppm
Concentration per Run 2	0.0012 ppm	0.1157 ppm	5.0705 ppm	5.0294 ppm	9.8391 ppm	0.0001 ppm	0.0072 ppm
Concentration per Run 3	0.0007 ppm	0.1293 ppm	5.0097 ppm	5.0873 ppm	9.9111 ppm	0.0001 ppm	0.0084 ppm
Recovery Percentage 1			100.598 %	101.583 %	98.775 %		
Concentration RSD	26.7 %	6.6 %	0.7 %	0.9 %	0.4 %	22.0 %	22.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	0.0088 ppm	0.0029 ppm	22.3663 [SIC 60]	0.0013 ppm	315.9435 ppm	4.9352 ppm
Concentration per Run 1	0.0001 ppm	0.0085 ppm	0.0039 ppm	22.3796 ppm	0.0017 ppm	314.7186 ppm	4.9181 ppm
Concentration per Run 2	0.0002 ppm	0.0090 ppm	0.0023 ppm	22.2200 ppm	0.0026 ppm	315.1140 ppm	4.9196 ppm
Concentration per Run 3	0.0003 ppm	0.0090 ppm	0.0026 ppm	22.4992 ppm	-0.0006 ppm	317.9979 ppm	4.9678 ppm
Recovery Percentage 1	0.000 %	0.000 %		111.831 %		105.315 %	
Concentration RSD	47.9 %	3.3 %	28.9 %	0.6 %	129.9 %	0.6 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0021 ppm	0.0014 ppm	5.1374 [SIC 20]	478.5797 ppm	10.4568 [SIC 20]	50.7034 ppm	0.0034 ppm
Concentration per Run 1	0.0035 ppm	0.0015 ppm	5.1138 ppm	477.7099 ppm	10.4915 ppm	50.3590 ppm	0.0056 ppm
Concentration per Run 2	0.0034 ppm	0.0013 ppm	5.1218 ppm	477.2644 ppm	10.3873 ppm	51.2123 ppm	0.0028 ppm
Concentration per Run 3	-0.0007 ppm	0.0014 ppm	5.1767 ppm	480.7649 ppm	10.4915 ppm	50.5388 ppm	0.0018 ppm
Recovery Percentage 1		0.000 %	102.748 %	95.716 %	104.568 %	101.407 %	0.000 %
Concentration RSD	115.5 %	6.3 %	0.7 %	0.4 %	0.6 %	0.9 %	56.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0012 ppm	21.1583 [SIC 200]	0.0015 ppm	0.0006 ppm	0.0141 ppm	-0.0026 ppm	0.0018 ppm
Concentration per Run 1	-0.0002 ppm	21.0485 ppm	0.0006 ppm	0.0006 ppm	0.0166 ppm	-0.0008 ppm	0.0025 ppm
Concentration per Run 2	-0.0017 ppm	21.0689 ppm	0.0023 ppm	0.0005 ppm	0.0140 ppm	-0.0032 ppm	0.0013 ppm
Concentration per Run 3	-0.0018 ppm	21.3574 ppm	0.0015 ppm	0.0006 ppm	0.0118 ppm	-0.0037 ppm	0.0016 ppm
Recovery Percentage 1	0.000 %	105.791 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	74.5 %	0.8 %	55.4 %	9.5 %	17.2 %	59.6 %	35.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	19.5377 ppm	103.2691 %	101.6084 %	105.0989 %	103.0372 %	99.0688 %	97.6254 %
Concentration per Run 1	19.5438 ppm	103.4584 %	101.1646 %	105.4000 %	103.0126 %	98.9973 %	97.8471 %
Concentration per Run 2	19.4362 ppm	103.4285 %	102.0591 %	104.5334 %	103.0992 %	99.0616 %	97.1652 %
Concentration per Run 3	19.6331 ppm	102.9205 %	101.6016 %	105.3634 %	102.9999 %	99.1474 %	97.8638 %
Recovery Percentage 1	97.689 %						
Concentration RSD	0.5 %	0.3 %	0.4 %	0.5 %	0.1 %	0.1 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: xLLOQ .005
 Analysis started at: 9/17/2025 8:40:30 AM
 Rack: 1
 Vial: 1
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0049 ppm	0.0110 ppm	0.0069 ppm	0.0070 ppm	0.0054 ppm	0.0051 ppm	0.0058 ppm
Concentration per Run 1	0.0055 ppm	0.0180 ppm	0.0040 ppm	0.0040 ppm	0.0054 ppm	0.0052 ppm	0.0070 ppm
Concentration per Run 2	0.0043 ppm	0.0027 ppm	0.0084 ppm	0.0086 ppm	0.0055 ppm	0.0051 ppm	0.0035 ppm
Concentration per Run 3	0.0050 ppm	0.0124 ppm	0.0084 ppm	0.0082 ppm	0.0054 ppm	0.0051 ppm	0.0068 ppm
Recovery Percentage 1	98.231 %	0.000 %	138.497 %	0.000 %	0.000 %	102.480 %	0.000 %
Concentration RSD	12.6 %	70.1 %	36.7 %	36.9 %	1.1 %	0.5 %	34.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0050 ppm	0.0044 ppm	0.0049 ppm	0.0053 ppm	0.0065 ppm	0.0652 ppm	0.0054 ppm
Concentration per Run 1	0.0050 ppm	0.0043 ppm	0.0040 ppm	0.0054 ppm	0.0072 ppm	0.0823 ppm	0.0064 ppm
Concentration per Run 2	0.0051 ppm	0.0044 ppm	0.0058 ppm	0.0054 ppm	0.0066 ppm	0.0595 ppm	0.0040 ppm
Concentration per Run 3	0.0048 ppm	0.0043 ppm	0.0051 ppm	0.0050 ppm	0.0056 ppm	0.0537 ppm	0.0058 ppm
Recovery Percentage 1	99.003 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	3.0 %	1.4 %	18.3 %	4.0 %	12.5 %	23.2 %	23.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0036 ppm	0.0054 ppm	0.0057 ppm	0.1083 ppm	0.0051 ppm	0.0042 ppm	0.0027 ppm
Concentration per Run 1	0.0057 ppm	0.0053 ppm	0.0057 ppm	0.1047 ppm	0.0064 ppm	0.0045 ppm	-0.0028 ppm
Concentration per Run 2	0.0051 ppm	0.0053 ppm	0.0066 ppm	0.1120 ppm	0.0040 ppm	0.0028 ppm	0.0092 ppm
Concentration per Run 3	0.0000 ppm	0.0057 ppm	0.0047 ppm	0.1081 ppm	0.0047 ppm	0.0052 ppm	0.0016 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	86.4 %	3.8 %	16.8 %	3.4 %	24.3 %	28.8 %	230.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0001 ppm	0.0463 ppm	0.0058 ppm	0.0053 ppm	0.0049 ppm	0.0082 ppm	0.0051 ppm
Concentration per Run 1	0.0013 ppm	0.0465 ppm	0.0072 ppm	0.0053 ppm	0.0044 ppm	0.0119 ppm	0.0048 ppm
Concentration per Run 2	-0.0016 ppm	0.0451 ppm	0.0037 ppm	0.0053 ppm	0.0047 ppm	0.0047 ppm	0.0060 ppm
Concentration per Run 3	0.0004 ppm	0.0473 ppm	0.0064 ppm	0.0052 ppm	0.0055 ppm	0.0081 ppm	0.0045 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	2,307.4 %	2.4 %	31.1 %	1.0 %	12.1 %	43.4 %	15.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0057 ppm	99.9719 %	103.6328 %	100.9549 %	99.9309 %	103.3572 %	100.4660 %
Concentration per Run 1	0.0061 ppm	99.9882 %	104.0839 %	100.1449 %	100.1363 %	103.9332 %	99.8491 %
Concentration per Run 2	0.0056 ppm	99.2451 %	102.3670 %	101.2375 %	99.0943 %	102.1346 %	100.7867 %
Concentration per Run 3	0.0055 ppm	100.6825 %	104.4475 %	101.4824 %	100.5622 %	104.0038 %	100.7623 %
Recovery Percentage 1	114.577 %						
Concentration RSD	5.5 %	0.7 %	1.1 %	0.7 %	0.8 %	1.0 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: LLOQ .01ppm As soils TCLPs Se
 Analysis started at: 9/17/2025 8:43:53 AM
 Rack: 1
 Vial: 2
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0088 ppm	0.0218 ppm	0.0112 ppm	0.0115 ppm	0.0105 ppm	0.0102 ppm	0.0097 ppm
Concentration per Run 1	0.0090 ppm	0.0331 ppm	0.0112 ppm	0.0133 ppm	0.0106 ppm	0.0103 ppm	0.0108 ppm
Concentration per Run 2	0.0094 ppm	0.0149 ppm	0.0090 ppm	0.0108 ppm	0.0104 ppm	0.0102 ppm	0.0115 ppm
Concentration per Run 3	0.0079 ppm	0.0175 ppm	0.0133 ppm	0.0105 ppm	0.0106 ppm	0.0103 ppm	0.0066 ppm
Recovery Percentage 1	0.000 %	0.000 %	111.523 %	115.336 %	105.474 %	0.000 %	0.000 %
Concentration RSD	8.9 %	45.2 %	19.2 %	13.3 %	1.3 %	0.6 %	27.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0105 ppm	0.0094 ppm	0.0102 ppm	0.0110 ppm	0.0115 ppm	0.1100 ppm	0.0107 ppm
Concentration per Run 1	0.0106 ppm	0.0097 ppm	0.0098 ppm	0.0115 ppm	0.0118 ppm	0.1276 ppm	0.0102 ppm
Concentration per Run 2	0.0105 ppm	0.0094 ppm	0.0108 ppm	0.0105 ppm	0.0099 ppm	0.1270 ppm	0.0108 ppm
Concentration per Run 3	0.0104 ppm	0.0092 ppm	0.0099 ppm	0.0108 ppm	0.0129 ppm	0.0755 ppm	0.0112 ppm
Recovery Percentage 1	0.000 %	94.498 %	101.913 %	109.679 %	0.000 %	0.000 %	107.435 %
Concentration RSD	1.0 %	2.7 %	5.2 %	4.6 %	13.0 %	27.2 %	4.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0082 ppm	0.0106 ppm	0.0102 ppm	0.2084 ppm	0.0101 ppm	0.0090 ppm	0.0081 ppm
Concentration per Run 1	0.0060 ppm	0.0105 ppm	0.0111 ppm	0.2099 ppm	0.0104 ppm	0.0097 ppm	0.0170 ppm
Concentration per Run 2	0.0101 ppm	0.0105 ppm	0.0101 ppm	0.2115 ppm	0.0107 ppm	0.0079 ppm	0.0013 ppm
Concentration per Run 3	0.0085 ppm	0.0106 ppm	0.0095 ppm	0.2037 ppm	0.0094 ppm	0.0094 ppm	0.0059 ppm
Recovery Percentage 1	0.000 %	105.568 %	102.352 %	0.000 %	101.465 %	89.907 %	0.000 %
Concentration RSD	25.3 %	0.4 %	8.1 %	2.0 %	6.8 %	10.4 %	99.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0101 ppm	0.1014 ppm	0.0097 ppm	0.0105 ppm	0.0101 ppm	0.0135 ppm	0.0102 ppm
Concentration per Run 1	0.0074 ppm	0.0993 ppm	0.0110 ppm	0.0105 ppm	0.0097 ppm	0.0119 ppm	0.0097 ppm
Concentration per Run 2	0.0115 ppm	0.0995 ppm	0.0089 ppm	0.0104 ppm	0.0108 ppm	0.0104 ppm	0.0104 ppm
Concentration per Run 3	0.0114 ppm	0.1054 ppm	0.0093 ppm	0.0106 ppm	0.0097 ppm	0.0182 ppm	0.0104 ppm
Recovery Percentage 1	101.062 %	0.000 %	97.098 %	105.039 %	100.522 %	134.947 %	101.651 %
Concentration RSD	22.9 %	3.4 %	11.5 %	1.2 %	6.5 %	30.8 %	3.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0107 ppm	100.6102 %	102.7547 %	101.0546 %	100.3023 %	102.1513 %	100.7456 %
Concentration per Run 1	0.0107 ppm	101.3507 %	102.8715 %	101.1072 %	100.8928 %	102.4323 %	100.8826 %
Concentration per Run 2	0.0106 ppm	99.6933 %	103.4597 %	101.4913 %	99.6483 %	102.5488 %	100.9966 %
Concentration per Run 3	0.0107 ppm	100.7865 %	101.9328 %	100.5653 %	100.3657 %	101.4729 %	100.3575 %
Recovery Percentage 1	106.749 %						
Concentration RSD	1.0 %	0.8 %	0.7 %	0.5 %	0.6 %	0.6 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: zLLOQ .05
 Analysis started at: 9/17/2025 8:47:05 AM
 Rack: 1
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0472 ppm	0.0540 ppm	0.0472 ppm	0.0493 ppm	0.0500 ppm	0.0505 ppm	0.0502 ppm
Concentration per Run 1	0.0471 ppm	0.0547 ppm	0.0446 ppm	0.0507 ppm	0.0503 ppm	0.0509 ppm	0.0471 ppm
Concentration per Run 2	0.0471 ppm	0.0537 ppm	0.0512 ppm	0.0477 ppm	0.0497 ppm	0.0501 ppm	0.0540 ppm
Concentration per Run 3	0.0475 ppm	0.0534 ppm	0.0458 ppm	0.0496 ppm	0.0501 ppm	0.0505 ppm	0.0497 ppm
Recovery Percentage 1	0.000 %	107.903 %	0.000 %	0.000 %	0.000 %	0.000 %	100.470 %
Concentration RSD	0.5 %	1.3 %	7.5 %	3.0 %	0.6 %	0.7 %	6.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0496 ppm	0.0501 ppm	0.0505 ppm	0.0474 ppm	0.0519 ppm	0.5399 ppm	0.0542 ppm
Concentration per Run 1	0.0488 ppm	0.0509 ppm	0.0508 ppm	0.0464 ppm	0.0536 ppm	0.5674 ppm	0.0547 ppm
Concentration per Run 2	0.0499 ppm	0.0501 ppm	0.0504 ppm	0.0482 ppm	0.0490 ppm	0.5340 ppm	0.0534 ppm
Concentration per Run 3	0.0500 ppm	0.0493 ppm	0.0503 ppm	0.0476 ppm	0.0532 ppm	0.5184 ppm	0.0546 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	103.858 %	21.598 %	0.000 %
Concentration RSD	1.4 %	1.6 %	0.6 %	1.9 %	5.0 %	4.6 %	1.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0449 ppm	0.0506 ppm	0.0463 ppm	1.0170 ppm	0.0517 ppm	0.0510 ppm	0.0494 ppm
Concentration per Run 1	0.0437 ppm	0.0510 ppm	0.0465 ppm	1.0221 ppm	0.0508 ppm	0.0492 ppm	0.0613 ppm
Concentration per Run 2	0.0435 ppm	0.0502 ppm	0.0459 ppm	1.0083 ppm	0.0512 ppm	0.0541 ppm	0.0455 ppm
Concentration per Run 3	0.0476 ppm	0.0506 ppm	0.0466 ppm	1.0205 ppm	0.0532 ppm	0.0496 ppm	0.0415 ppm
Recovery Percentage 1	89.881 %	0.000 %	0.000 %	101.697 %	0.000 %	0.000 %	98.867 %
Concentration RSD	5.1 %	0.9 %	0.8 %	0.7 %	2.5 %	5.3 %	21.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0464 ppm	0.5157 ppm	0.0485 ppm	0.0511 ppm	0.0483 ppm	0.0521 ppm	0.0495 ppm
Concentration per Run 1	0.0435 ppm	0.5118 ppm	0.0498 ppm	0.0512 ppm	0.0481 ppm	0.0545 ppm	0.0489 ppm
Concentration per Run 2	0.0488 ppm	0.5111 ppm	0.0479 ppm	0.0510 ppm	0.0482 ppm	0.0543 ppm	0.0496 ppm
Concentration per Run 3	0.0468 ppm	0.5241 ppm	0.0478 ppm	0.0510 ppm	0.0486 ppm	0.0476 ppm	0.0500 ppm
Recovery Percentage 1	0.000 %	103.135 %	96.998 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	5.7 %	1.4 %	2.4 %	0.2 %	0.6 %	7.6 %	1.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0510 ppm	102.2232 %	102.6023 %	101.8953 %	101.1646 %	101.3069 %	101.7289 %
Concentration per Run 1	0.0504 ppm	102.8654 %	101.8605 %	102.8153 %	102.0108 %	100.9260 %	103.0526 %
Concentration per Run 2	0.0514 ppm	102.5877 %	103.2977 %	100.8849 %	101.4564 %	101.8787 %	100.6792 %
Concentration per Run 3	0.0512 ppm	101.2166 %	102.6488 %	101.9858 %	100.0266 %	101.1159 %	101.4549 %
Recovery Percentage 1	102.066 %						
Concentration RSD	1.0 %	0.9 %	0.7 %	1.0 %	1.0 %	0.5 %	1.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: LDR Cu 20 pass
 Analysis started at: 9/17/2025 8:50:18 AM
 Rack: 1
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.0106 ppm	0.0005 ppm	0.0013 ppm	0.0005 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run 1	-0.0002 ppm	0.0120 ppm	-0.0003 ppm	0.0008 ppm	0.0004 ppm	0.0000 ppm	0.0070 ppm
Concentration per Run 2	0.0017 ppm	0.0097 ppm	-0.0014 ppm	0.0008 ppm	0.0007 ppm	0.0001 ppm	-0.0025 ppm
Concentration per Run 3	0.0010 ppm	0.0102 ppm	0.0033 ppm	0.0025 ppm	0.0005 ppm	0.0000 ppm	0.0014 ppm
Concentration RSD	111.5 %	11.4 %	450.1 %	74.5 %	26.7 %	251.2 %	245.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0002 ppm	-0.0004 ppm	19.2610 ppm	0.0009 ppm	0.0063 ppm	0.0010 ppm
Concentration per Run 1	-0.0003 ppm	0.0011 ppm	-0.0005 ppm	19.2272 ppm	0.0004 ppm	0.0007 ppm	0.0018 ppm
Concentration per Run 2	0.0000 ppm	0.0011 ppm	-0.0007 ppm	19.4405 ppm	-0.0001 ppm	0.0199 ppm	0.0015 ppm
Concentration per Run 3	0.0000 ppm	-0.0029 ppm	0.0000 ppm	19.1152 ppm	0.0023 ppm	-0.0016 ppm	-0.0002 ppm
Concentration RSD	160.9 %	1,138.5 %	97.2 %	0.9 %	144.3 %	186.3 %	106.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0019 ppm	0.0001 ppm	-0.0002 ppm	-0.0050 ppm	0.0008 ppm	-0.0032 ppm	0.0033 ppm
Concentration per Run 1	0.0003 ppm	0.0001 ppm	-0.0009 ppm	-0.0035 ppm	0.0022 ppm	-0.0033 ppm	-0.0003 ppm
Concentration per Run 2	-0.0003 ppm	0.0001 ppm	0.0009 ppm	-0.0054 ppm	-0.0002 ppm	-0.0027 ppm	0.0054 ppm
Concentration per Run 3	-0.0058 ppm	0.0002 ppm	-0.0007 ppm	-0.0060 ppm	0.0005 ppm	-0.0035 ppm	0.0050 ppm
Concentration RSD	172.1 %	57.7 %	386.5 %	26.1 %	147.2 %	13.3 %	95.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0011 ppm	-0.0109 ppm	0.0004 ppm	0.0001 ppm	0.0006 ppm	0.0047 ppm	-0.0011 ppm
Concentration per Run 1	-0.0025 ppm	-0.0105 ppm	-0.0005 ppm	0.0001 ppm	0.0007 ppm	0.0046 ppm	-0.0004 ppm
Concentration per Run 2	-0.0006 ppm	-0.0105 ppm	0.0018 ppm	0.0002 ppm	0.0007 ppm	0.0070 ppm	-0.0012 ppm
Concentration per Run 3	-0.0001 ppm	-0.0118 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0025 ppm	-0.0018 ppm
Concentration RSD	118.0 %	6.6 %	344.6 %	76.1 %	29.1 %	47.8 %	60.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0036 ppm	101.6204 %	102.4585 %	101.9295 %	100.9017 %	101.4542 %	95.5381 %
Concentration per Run 1	-0.0038 ppm	100.7748 %	102.6596 %	102.2576 %	100.1579 %	101.5632 %	95.6458 %
Concentration per Run 2	-0.0037 ppm	100.8592 %	101.5988 %	102.0278 %	100.3282 %	100.7916 %	95.4257 %
Concentration per Run 3	-0.0031 ppm	103.2272 %	103.1172 %	101.5030 %	102.2190 %	102.0076 %	95.5428 %
Concentration RSD	11.0 %	1.4 %	0.8 %	0.4 %	1.1 %	0.6 %	0.1 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
Analysis started at: 9/17/2025 8:53:31 AM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4922 ppm	0.5044 ppm	0.4980 ppm	0.4985 ppm	0.5063 ppm	0.5198 ppm	0.5034 ppm
Concentration per Run 1	0.4936 ppm	0.5088 ppm	0.4897 ppm	0.5040 ppm	0.5138 ppm	0.5256 ppm	0.5103 ppm
Concentration per Run 2	0.4885 ppm	0.5105 ppm	0.5056 ppm	0.4881 ppm	0.4983 ppm	0.5144 ppm	0.4986 ppm
Concentration per Run 3	0.4943 ppm	0.4938 ppm	0.4986 ppm	0.5036 ppm	0.5067 ppm	0.5194 ppm	0.5013 ppm
Recovery Percentage 1	98.431 %	100.876 %	99.599 %	99.710 %	101.255 %	103.957 %	100.682 %
Concentration RSD	0.6 %	1.8 %	1.6 %	1.8 %	1.5 %	1.1 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5125 ppm	0.5122 ppm	0.5116 ppm	0.5043 ppm	0.5072 ppm	5.2580 ppm	0.5238 ppm
Concentration per Run 1	0.5134 ppm	0.5135 ppm	0.5136 ppm	0.5057 ppm	0.5083 ppm	5.3065 ppm	0.5326 ppm
Concentration per Run 2	0.5097 ppm	0.5073 ppm	0.5083 ppm	0.4999 ppm	0.5045 ppm	5.2072 ppm	0.5169 ppm
Concentration per Run 3	0.5144 ppm	0.5157 ppm	0.5128 ppm	0.5074 ppm	0.5088 ppm	5.2603 ppm	0.5220 ppm
Recovery Percentage 1	102.505 %	102.431 %	102.315 %	100.868 %	101.438 %	105.160 %	104.764 %
Concentration RSD	0.5 %	0.8 %	0.6 %	0.8 %	0.5 %	0.9 %	1.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4922 ppm	0.5134 ppm	0.5028 ppm	10.3561 ppm	0.5146 ppm	0.5081 ppm	0.5125 ppm
Concentration per Run 1	0.4931 ppm	0.5197 ppm	0.5033 ppm	10.4950 ppm	0.5153 ppm	0.5011 ppm	0.5185 ppm
Concentration per Run 2	0.4917 ppm	0.5088 ppm	0.4985 ppm	10.2839 ppm	0.5067 ppm	0.5105 ppm	0.5080 ppm
Concentration per Run 3	0.4918 ppm	0.5116 ppm	0.5065 ppm	10.2895 ppm	0.5217 ppm	0.5126 ppm	0.5109 ppm
Recovery Percentage 1	98.440 %	102.675 %	100.556 %	103.561 %	102.915 %	101.616 %	102.498 %
Concentration RSD	0.2 %	1.1 %	0.8 %	1.2 %	1.5 %	1.2 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4975 ppm	5.3842 ppm	0.5048 ppm	0.5118 ppm	0.5015 ppm	0.5041 ppm	0.5139 ppm
Concentration per Run 1	0.4929 ppm	5.3867 ppm	0.5094 ppm	0.5202 ppm	0.5022 ppm	0.4916 ppm	0.5151 ppm
Concentration per Run 2	0.5059 ppm	5.3393 ppm	0.4955 ppm	0.5027 ppm	0.4966 ppm	0.5135 ppm	0.5100 ppm
Concentration per Run 3	0.4937 ppm	5.4267 ppm	0.5095 ppm	0.5126 ppm	0.5055 ppm	0.5071 ppm	0.5166 ppm
Recovery Percentage 1	99.495 %	102.557 %	100.958 %	102.366 %	100.291 %	100.818 %	102.777 %
Concentration RSD	1.5 %	0.8 %	1.6 %	1.7 %	0.9 %	2.2 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5192 ppm	102.8077 %	102.6499 %	102.1517 %	101.9869 %	101.4998 %	101.1410 %
Concentration per Run 1	0.5233 ppm	101.9901 %	101.5606 %	102.8906 %	101.4311 %	100.8605 %	101.1542 %
Concentration per Run 2	0.5121 ppm	104.0111 %	102.5758 %	100.6613 %	102.3409 %	101.0444 %	100.1940 %
Concentration per Run 3	0.5223 ppm	102.4219 %	103.8132 %	102.9032 %	102.1888 %	102.5943 %	102.0747 %
Recovery Percentage 1	103.847 %						
Concentration RSD	1.2 %	1.0 %	1.1 %	1.3 %	0.5 %	0.9 %	0.9 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 8:56:46 AM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0061 ppm	0.0020 ppm	0.0005 ppm	0.0002 ppm	0.0001 ppm	-0.0047 ppm
Concentration per Run 1	0.0007 ppm	0.0026 ppm	0.0003 ppm	0.0015 ppm	0.0002 ppm	0.0000 ppm	-0.0064 ppm
Concentration per Run 2	-0.0002 ppm	0.0033 ppm	0.0030 ppm	0.0014 ppm	0.0003 ppm	0.0001 ppm	-0.0036 ppm
Concentration per Run 3	-0.0002 ppm	0.0124 ppm	0.0027 ppm	-0.0013 ppm	0.0002 ppm	0.0001 ppm	-0.0042 ppm
Recovery Percentage 1	1.061 %	6.101 %	39.912 %	1.745 %	2.206 %	2.186 %	-4.708 %
Concentration RSD	672.4 %	89.9 %	75.7 %	303.2 %	26.3 %	50.8 %	31.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0010 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0161 ppm	0.0007 ppm
Concentration per Run 1	0.0002 ppm	-0.0003 ppm	0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0129 ppm	0.0024 ppm
Concentration per Run 2	-0.0001 ppm	-0.0020 ppm	-0.0002 ppm	0.0006 ppm	-0.0008 ppm	0.0053 ppm	-0.0003 ppm
Concentration per Run 3	-0.0003 ppm	-0.0009 ppm	0.0000 ppm	-0.0002 ppm	0.0004 ppm	0.0300 ppm	-0.0001 ppm
Recovery Percentage 1	-1.650 %	-5.230 %	-0.438 %	0.668 %	-0.091 %	0.642 %	13.507 %
Concentration RSD	283.3 %	81.8 %	413.3 %	700.8 %	1,360.9 %	79.1 %	222.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0003 ppm	0.0001 ppm	0.0011 ppm	-0.0092 ppm	0.0001 ppm	0.0006 ppm	-0.0015 ppm
Concentration per Run 1	0.0035 ppm	0.0001 ppm	0.0027 ppm	-0.0134 ppm	-0.0003 ppm	0.0014 ppm	-0.0051 ppm
Concentration per Run 2	-0.0020 ppm	0.0002 ppm	0.0000 ppm	-0.0114 ppm	0.0005 ppm	0.0001 ppm	-0.0009 ppm
Concentration per Run 3	-0.0023 ppm	-0.0002 ppm	0.0007 ppm	-0.0028 ppm	0.0001 ppm	0.0003 ppm	0.0013 ppm
Recovery Percentage 1	-0.268 %	0.531 %	2.250 %	-0.461 %	0.339 %	6.086 %	-3.093 %
Concentration RSD	1,225.5 %	343.8 %	124.4 %	61.1 %	487.4 %	117.2 %	211.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0023 ppm	-0.0092 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0052 ppm	-0.0009 ppm
Concentration per Run 1	-0.0018 ppm	-0.0078 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0073 ppm	-0.0008 ppm
Concentration per Run 2	-0.0035 ppm	-0.0111 ppm	-0.0006 ppm	0.0001 ppm	-0.0005 ppm	0.0080 ppm	-0.0009 ppm
Concentration per Run 3	-0.0015 ppm	-0.0088 ppm	0.0006 ppm	0.0001 ppm	0.0010 ppm	0.0002 ppm	-0.0011 ppm
Recovery Percentage 1	-22.946 %	-1.846 %	0.546 %	0.616 %	1.945 %	25.879 %	-9.268 %
Concentration RSD	47.6 %	18.6 %	282.3 %	55.6 %	399.9 %	83.8 %	14.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	101.4074 %	103.1264 %	102.4704 %	101.7009 %	102.7704 %	102.0304 %
Concentration per Run 1	-0.0002 ppm	102.0850 %	102.8157 %	102.7029 %	102.4070 %	101.6782 %	102.6847 %
Concentration per Run 2	0.0001 ppm	101.5512 %	103.2383 %	102.4322 %	101.3315 %	102.6870 %	102.1660 %
Concentration per Run 3	-0.0001 ppm	100.5859 %	103.3253 %	102.2762 %	101.3644 %	103.9459 %	101.2406 %
Recovery Percentage 1	-1.173 %						
Concentration RSD	255.0 %	0.7 %	0.3 %	0.2 %	0.6 %	1.1 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115376-1 WG2115376
 Analysis started at: 9/17/2025 9:26:22 AM
 Rack: 1
 Vial: 5
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	0.0186 ppm	0.0016 ppm	0.0014 ppm	0.0005 ppm	0.0000 ppm	0.0167 ppm
Concentration per Run 1	0.0010 ppm	0.0204 ppm	-0.0002 ppm	0.0008 ppm	0.0005 ppm	0.0000 ppm	0.0132 ppm
Concentration per Run 2	0.0008 ppm	0.0179 ppm	0.0024 ppm	0.0023 ppm	0.0005 ppm	0.0000 ppm	0.0176 ppm
Concentration per Run 3	-0.0002 ppm	0.0173 ppm	0.0024 ppm	0.0013 ppm	0.0004 ppm	0.0000 ppm	0.0192 ppm
Recovery Percentage 1	7.427 %	18.559 %	31.110 %	4.806 %	4.693 %	0.031 %	16.687 %
Concentration RSD	125.6 %	8.9 %	95.1 %	52.2 %	9.0 %	623.7 %	18.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0021 ppm	0.0012 ppm	0.0008 ppm	0.0487 ppm	0.0255 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	-0.0029 ppm	0.0012 ppm	0.0009 ppm	0.0477 ppm	0.0242 ppm	0.0001 ppm
Concentration per Run 2	0.0001 ppm	-0.0017 ppm	0.0003 ppm	0.0014 ppm	0.0488 ppm	0.0236 ppm	-0.0012 ppm
Concentration per Run 3	-0.0001 ppm	-0.0017 ppm	0.0020 ppm	0.0002 ppm	0.0497 ppm	0.0287 ppm	0.0010 ppm
Recovery Percentage 1	-0.015 %	-10.468 %	11.846 %	8.264 %	97.437 %	1.019 %	-0.714 %
Concentration RSD	15,829.5 %	31.4 %	69.4 %	73.4 %	2.1 %	11.1 %	3,014.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0005 ppm	0.0009 ppm	-0.0001 ppm	-0.0004 ppm	0.0008 ppm	-0.0019 ppm	-0.0030 ppm
Concentration per Run 1	0.0014 ppm	0.0011 ppm	-0.0001 ppm	0.0034 ppm	0.0002 ppm	-0.0022 ppm	0.0041 ppm
Concentration per Run 2	0.0001 ppm	0.0010 ppm	-0.0003 ppm	-0.0030 ppm	0.0029 ppm	0.0000 ppm	-0.0091 ppm
Concentration per Run 3	-0.0002 ppm	0.0008 ppm	0.0002 ppm	-0.0017 ppm	-0.0008 ppm	-0.0034 ppm	-0.0040 ppm
Recovery Percentage 1	0.452 %	9.429 %	-0.160 %	-0.022 %	3.085 %	-18.595 %	-5.992 %
Concentration RSD	188.5 %	13.0 %	309.9 %	787.8 %	248.9 %	92.3 %	221.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0017 ppm	0.0153 ppm	0.0097 ppm	0.0000 ppm	-0.0006 ppm	-0.0019 ppm	-0.0006 ppm
Concentration per Run 1	-0.0041 ppm	0.0194 ppm	0.0087 ppm	0.0001 ppm	-0.0001 ppm	-0.0058 ppm	-0.0010 ppm
Concentration per Run 2	-0.0022 ppm	0.0167 ppm	0.0111 ppm	0.0001 ppm	-0.0011 ppm	-0.0033 ppm	-0.0002 ppm
Concentration per Run 3	0.0012 ppm	0.0097 ppm	0.0092 ppm	-0.0001 ppm	-0.0005 ppm	0.0034 ppm	-0.0006 ppm
Recovery Percentage 1	-16.958 %	3.055 %	19.328 %	0.275 %	-5.760 %	-9.463 %	-5.722 %
Concentration RSD	156.1 %	33.1 %	13.1 %	263.6 %	92.1 %	251.0 %	68.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0032 ppm	98.9603 %	99.9855 %	96.9604 %	97.6504 %	99.1223 %	97.4103 %
Concentration per Run 1	0.0032 ppm	97.9417 %	100.1123 %	96.8875 %	96.8687 %	98.8597 %	97.0185 %
Concentration per Run 2	0.0032 ppm	100.2059 %	99.6302 %	96.1719 %	98.1356 %	98.7730 %	97.2776 %
Concentration per Run 3	0.0034 ppm	98.7333 %	100.2141 %	97.8217 %	97.9470 %	99.7342 %	97.9348 %
Recovery Percentage 1	64.540 %						
Concentration RSD	3.5 %	1.2 %	0.3 %	0.9 %	0.7 %	0.5 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115376-2D2 WG2115376
 Analysis started at: 9/17/2025 9:29:46 AM
 Rack: 1
 Vial: 6
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.3117 ppm	18.3128 ppm	0.8035 ppm	0.7583 ppm	1.1330 ppm	0.6825 ppm	16.8855 ppm
Concentration per Run 1	0.3140 ppm	18.4180 ppm	0.7999 ppm	0.7591 ppm	1.1485 ppm	0.6903 ppm	16.9807 ppm
Concentration per Run 2	0.3079 ppm	18.2495 ppm	0.8040 ppm	0.7594 ppm	1.1232 ppm	0.6791 ppm	16.8368 ppm
Concentration per Run 3	0.3133 ppm	18.2708 ppm	0.8067 ppm	0.7564 ppm	1.1272 ppm	0.6780 ppm	16.8391 ppm
Concentration RSD	1.1 %	0.5 %	0.4 %	0.2 %	1.2 %	1.0 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5354 ppm	1.0343 ppm	0.6767 ppm	0.3835 ppm	21.1025 ppm	6.0547 ppm	0.3950 ppm
Concentration per Run 1	0.5355 ppm	1.0341 ppm	0.6784 ppm	0.3844 ppm	21.2866 ppm	6.1379 ppm	0.3978 ppm
Concentration per Run 2	0.5329 ppm	1.0281 ppm	0.6730 ppm	0.3822 ppm	21.0133 ppm	6.0417 ppm	0.3975 ppm
Concentration per Run 3	0.5379 ppm	1.0407 ppm	0.6786 ppm	0.3840 ppm	21.0077 ppm	5.9845 ppm	0.3898 ppm
Concentration RSD	0.5 %	0.6 %	0.5 %	0.3 %	0.8 %	1.3 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	6.4567 ppm	2.2495 ppm	0.6158 ppm	8.0373 ppm	0.6714 ppm	0.5851 ppm	0.5171 ppm
Concentration per Run 1	6.4546 ppm	2.2687 ppm	0.6164 ppm	8.1110 ppm	0.6703 ppm	0.5807 ppm	0.5058 ppm
Concentration per Run 2	6.4125 ppm	2.2463 ppm	0.6121 ppm	8.0044 ppm	0.6705 ppm	0.5886 ppm	0.5306 ppm
Concentration per Run 3	6.5030 ppm	2.2335 ppm	0.6190 ppm	7.9964 ppm	0.6733 ppm	0.5860 ppm	0.5147 ppm
Concentration RSD	0.7 %	0.8 %	0.6 %	0.8 %	0.2 %	0.7 %	2.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.3988 ppm	8.3578 ppm	0.4030 ppm	0.9213 ppm	1.3143 ppm	0.8616 ppm	0.6793 ppm
Concentration per Run 1	0.4015 ppm	8.3290 ppm	0.4020 ppm	0.9321 ppm	1.3202 ppm	0.8505 ppm	0.6796 ppm
Concentration per Run 2	0.3971 ppm	8.4303 ppm	0.4059 ppm	0.9184 ppm	1.3075 ppm	0.8712 ppm	0.6760 ppm
Concentration per Run 3	0.3979 ppm	8.3140 ppm	0.4011 ppm	0.9136 ppm	1.3152 ppm	0.8632 ppm	0.6824 ppm
Concentration RSD	0.6 %	0.8 %	0.6 %	1.0 %	0.5 %	1.2 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2767 ppm	102.7854 %	104.3156 %	100.6861 %	105.8493 %	107.0781 %	104.4257 %
Concentration per Run 1	1.2737 ppm	103.2856 %	103.0325 %	101.7220 %	106.1902 %	105.6958 %	105.4615 %
Concentration per Run 2	1.2775 ppm	102.8445 %	104.2402 %	100.3363 %	106.2344 %	107.4814 %	103.9006 %
Concentration per Run 3	1.2789 ppm	102.2261 %	105.6739 %	99.9999 %	105.1233 %	108.0571 %	103.9150 %
Concentration RSD	0.2 %	0.5 %	1.3 %	0.9 %	0.6 %	1.1 %	0.9 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115376-3D2 WG2115376
 Analysis started at: 9/17/2025 9:33:00 AM
 Rack: 1
 Vial: 7
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.2879 ppm	16.5816 ppm	0.7387 ppm	0.6805 ppm	1.0096 ppm	0.5937 ppm	15.4689 ppm
Concentration per Run 1	0.2903 ppm	16.4844 ppm	0.7360 ppm	0.6853 ppm	1.0065 ppm	0.5907 ppm	15.3867 ppm
Concentration per Run 2	0.2868 ppm	16.6293 ppm	0.7315 ppm	0.6767 ppm	1.0130 ppm	0.5945 ppm	15.4989 ppm
Concentration per Run 3	0.2867 ppm	16.6311 ppm	0.7485 ppm	0.6795 ppm	1.0093 ppm	0.5959 ppm	15.5212 ppm
Concentration RSD	0.7 %	0.5 %	1.2 %	0.6 %	0.3 %	0.5 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4632 ppm	0.9143 ppm	0.5886 ppm	0.3414 ppm	20.4974 ppm	5.6360 ppm	0.3689 ppm
Concentration per Run 1	0.4653 ppm	0.9166 ppm	0.5923 ppm	0.3454 ppm	20.4097 ppm	5.6329 ppm	0.3648 ppm
Concentration per Run 2	0.4632 ppm	0.9140 ppm	0.5868 ppm	0.3390 ppm	20.5953 ppm	5.6369 ppm	0.3704 ppm
Concentration per Run 3	0.4611 ppm	0.9123 ppm	0.5866 ppm	0.3400 ppm	20.4870 ppm	5.6381 ppm	0.3713 ppm
Concentration RSD	0.5 %	0.2 %	0.6 %	1.0 %	0.5 %	0.0 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.9353 ppm	1.5101 ppm	0.5552 ppm	7.7860 ppm	0.5760 ppm	0.5396 ppm	0.4512 ppm
Concentration per Run 1	5.9666 ppm	1.4948 ppm	0.5576 ppm	7.7404 ppm	0.5786 ppm	0.5351 ppm	0.4603 ppm
Concentration per Run 2	5.9346 ppm	1.5161 ppm	0.5531 ppm	7.8158 ppm	0.5736 ppm	0.5390 ppm	0.4471 ppm
Concentration per Run 3	5.9048 ppm	1.5194 ppm	0.5551 ppm	7.8018 ppm	0.5759 ppm	0.5448 ppm	0.4463 ppm
Concentration RSD	0.5 %	0.9 %	0.4 %	0.5 %	0.4 %	0.9 %	1.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.3680 ppm	6.9391 ppm	0.3691 ppm	0.8354 ppm	1.2270 ppm	0.7513 ppm	0.5976 ppm
Concentration per Run 1	0.3668 ppm	6.9830 ppm	0.3729 ppm	0.8293 ppm	1.2357 ppm	0.7496 ppm	0.6021 ppm
Concentration per Run 2	0.3649 ppm	6.9609 ppm	0.3708 ppm	0.8321 ppm	1.2239 ppm	0.7482 ppm	0.5961 ppm
Concentration per Run 3	0.3722 ppm	6.8734 ppm	0.3638 ppm	0.8447 ppm	1.2212 ppm	0.7562 ppm	0.5948 ppm
Concentration RSD	1.0 %	0.8 %	1.3 %	1.0 %	0.6 %	0.6 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1479 ppm	100.1281 %	101.9703 %	98.9108 %	103.7092 %	104.3111 %	102.5528 %
Concentration per Run 1	1.1526 ppm	99.2354 %	102.4552 %	99.7750 %	103.3320 %	104.5311 %	102.7269 %
Concentration per Run 2	1.1447 ppm	100.3456 %	101.5908 %	98.9642 %	103.6218 %	103.6201 %	102.2578 %
Concentration per Run 3	1.1464 ppm	100.8032 %	101.8649 %	97.9932 %	104.1738 %	104.7821 %	102.6739 %
Concentration RSD	0.4 %	0.8 %	0.4 %	0.9 %	0.4 %	0.6 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: xL2557919-01D2 WG2115376
 Analysis started at: 9/17/2025 9:36:14 AM
 Rack: 1
 Vial: 8
 Comment: no sample weight, redo

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	105.2983 ppm	0.0523 ppm	0.0064 ppm	0.4881 ppm	0.0038 ppm	171.2698 ppm
Concentration per Run 1	-0.0013 ppm	104.8840 ppm	0.0502 ppm	0.0050 ppm	0.4860 ppm	0.0038 ppm	170.4740 ppm
Concentration per Run 2	0.0019 ppm	105.5594 ppm	0.0547 ppm	0.0054 ppm	0.4898 ppm	0.0038 ppm	171.8967 ppm
Concentration per Run 3	0.0001 ppm	105.4517 ppm	0.0520 ppm	0.0088 ppm	0.4886 ppm	0.0038 ppm	171.4388 ppm
Concentration RSD	699.8 %	0.3 %	4.3 %	32.9 %	0.4 %	0.7 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0057 ppm	0.0889 ppm	0.1639 ppm	0.3768 ppm	182.0360 ppm	10.5010 ppm	0.1186 ppm
Concentration per Run 1	0.0059 ppm	0.0878 ppm	0.1641 ppm	0.3765 ppm	180.2899 ppm	10.4782 ppm	0.1195 ppm
Concentration per Run 2	0.0057 ppm	0.0897 ppm	0.1642 ppm	0.3765 ppm	183.2894 ppm	10.5195 ppm	0.1185 ppm
Concentration per Run 3	0.0054 ppm	0.0891 ppm	0.1633 ppm	0.3775 ppm	182.5288 ppm	10.5053 ppm	0.1178 ppm
Concentration RSD	4.6 %	1.1 %	0.3 %	0.1 %	0.9 %	0.2 %	0.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	113.9503 ppm	3.4508 ppm	0.0059 ppm	0.9777 ppm	0.1443 ppm	0.4966 ppm	-0.0149 ppm
Concentration per Run 1	113.7985 ppm	3.4198 ppm	0.0067 ppm	0.9778 ppm	0.1447 ppm	0.4879 ppm	-0.0164 ppm
Concentration per Run 2	114.1295 ppm	3.4784 ppm	0.0055 ppm	0.9773 ppm	0.1427 ppm	0.5017 ppm	-0.0144 ppm
Concentration per Run 3	113.9229 ppm	3.4542 ppm	0.0053 ppm	0.9781 ppm	0.1455 ppm	0.5002 ppm	-0.0140 ppm
Concentration RSD	0.1 %	0.9 %	13.4 %	0.0 %	1.0 %	1.5 %	8.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0004 ppm	4.9639 ppm	0.0650 ppm	0.1733 ppm	4.6168 ppm	0.0035 ppm	0.2894 ppm
Concentration per Run 1	-0.0027 ppm	4.9347 ppm	0.0661 ppm	0.1730 ppm	4.6152 ppm	0.0071 ppm	0.2889 ppm
Concentration per Run 2	0.0011 ppm	4.9819 ppm	0.0627 ppm	0.1733 ppm	4.6203 ppm	0.0042 ppm	0.2903 ppm
Concentration per Run 3	0.0027 ppm	4.9752 ppm	0.0663 ppm	0.1735 ppm	4.6149 ppm	-0.0007 ppm	0.2891 ppm
Concentration RSD	709.7 %	0.5 %	3.1 %	0.1 %	0.1 %	110.6 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0215 ppm	104.7904 %	105.2406 %	100.5167 %	120.1954 %	120.5107 %	117.2698 %
Concentration per Run 1	1.0216 ppm	104.4092 %	105.1451 %	103.1006 %	119.6335 %	120.4724 %	118.7957 %
Concentration per Run 2	1.0206 ppm	105.1572 %	105.6413 %	98.8175 %	121.0388 %	120.7734 %	116.2989 %
Concentration per Run 3	1.0224 ppm	104.8049 %	104.9354 %	99.6321 %	119.9139 %	120.2864 %	116.7149 %
Concentration RSD	0.1 %	0.4 %	0.3 %	2.3 %	0.6 %	0.2 %	1.1 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2555774-01 WG2112414
 Analysis started at: 9/17/2025 9:39:28 AM
 Rack: 1
 Vial: 9
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	0.1266 ppm	0.0013 ppm	0.0091 ppm	0.0329 ppm	0.0000 ppm	28.6634 ppm
Concentration per Run 1	0.0003 ppm	0.1343 ppm	0.0032 ppm	0.0102 ppm	0.0334 ppm	0.0001 ppm	28.6250 ppm
Concentration per Run 2	0.0023 ppm	0.1187 ppm	-0.0001 ppm	0.0123 ppm	0.0326 ppm	0.0001 ppm	28.3992 ppm
Concentration per Run 3	0.0015 ppm	0.1270 ppm	0.0008 ppm	0.0050 ppm	0.0328 ppm	0.0000 ppm	28.9659 ppm
Concentration RSD	71.6 %	6.2 %	131.4 %	41.3 %	1.3 %	109.5 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0034 ppm	0.0016 ppm	0.0167 ppm	0.1546 ppm	0.3719 ppm	0.0007 ppm
Concentration per Run 1	0.0001 ppm	0.0025 ppm	0.0015 ppm	0.0167 ppm	0.1562 ppm	0.3729 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0031 ppm	0.0012 ppm	0.0171 ppm	0.1527 ppm	0.3636 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	0.0046 ppm	0.0020 ppm	0.0163 ppm	0.1548 ppm	0.3793 ppm	0.0008 ppm
Concentration RSD	60.6 %	31.9 %	25.4 %	2.3 %	1.1 %	2.1 %	35.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.6221 ppm	0.3117 ppm	-0.0004 ppm	142.6290 ppm	0.0039 ppm	0.0005 ppm	0.0013 ppm
Concentration per Run 1	1.6274 ppm	0.3156 ppm	-0.0001 ppm	143.2980 ppm	0.0043 ppm	0.0023 ppm	0.0060 ppm
Concentration per Run 2	1.6162 ppm	0.3075 ppm	-0.0007 ppm	140.9232 ppm	0.0027 ppm	-0.0008 ppm	0.0003 ppm
Concentration per Run 3	1.6228 ppm	0.3120 ppm	-0.0004 ppm	143.6660 ppm	0.0048 ppm	0.0001 ppm	-0.0023 ppm
Concentration RSD	0.3 %	1.3 %	85.9 %	1.0 %	28.2 %	308.7 %	320.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0029 ppm	0.5122 ppm	0.0013 ppm	0.0601 ppm	0.0015 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 1	0.0014 ppm	0.5132 ppm	0.0021 ppm	0.0615 ppm	0.0015 ppm	0.0041 ppm	0.0001 ppm
Concentration per Run 2	0.0003 ppm	0.5109 ppm	0.0022 ppm	0.0592 ppm	0.0014 ppm	-0.0021 ppm	0.0003 ppm
Concentration per Run 3	0.0071 ppm	0.5126 ppm	-0.0003 ppm	0.0597 ppm	0.0016 ppm	-0.0024 ppm	-0.0002 ppm
Concentration RSD	124.1 %	0.2 %	108.7 %	2.0 %	7.9 %	2,494.9 %	410.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9079 ppm	102.6004 %	99.9618 %	101.0759 %	101.9551 %	98.3748 %	100.7676 %
Concentration per Run 1	0.9030 ppm	102.1700 %	99.0110 %	100.4899 %	101.6036 %	97.3121 %	100.2306 %
Concentration per Run 2	0.9090 ppm	103.3770 %	101.2378 %	101.2826 %	102.8935 %	99.4708 %	101.6503 %
Concentration per Run 3	0.9118 ppm	102.2543 %	99.6365 %	101.4552 %	101.3683 %	98.3415 %	100.4218 %
Concentration RSD	0.5 %	0.7 %	1.1 %	0.5 %	0.8 %	1.1 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556028-01 WG2112414
 Analysis started at: 9/17/2025 9:42:43 AM
 Rack: 1
 Vial: 10
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0012 ppm	0.0330 ppm	0.0038 ppm	0.0135 ppm	0.0344 ppm	0.0000 ppm	11.9733 ppm
Concentration per Run 1	0.0015 ppm	0.0319 ppm	0.0063 ppm	0.0141 ppm	0.0349 ppm	0.0000 ppm	11.9858 ppm
Concentration per Run 2	0.0007 ppm	0.0311 ppm	0.0003 ppm	0.0142 ppm	0.0343 ppm	0.0000 ppm	11.8910 ppm
Concentration per Run 3	0.0015 ppm	0.0360 ppm	0.0049 ppm	0.0123 ppm	0.0341 ppm	0.0000 ppm	12.0431 ppm
Concentration RSD	39.4 %	7.9 %	81.0 %	7.7 %	1.2 %	113.9 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	0.0015 ppm	0.0009 ppm	0.0021 ppm	0.0189 ppm	0.4336 ppm	0.0003 ppm
Concentration per Run 1	0.0002 ppm	0.0012 ppm	0.0002 ppm	0.0024 ppm	0.0215 ppm	0.4307 ppm	-0.0009 ppm
Concentration per Run 2	-0.0001 ppm	0.0026 ppm	0.0010 ppm	0.0011 ppm	0.0178 ppm	0.4325 ppm	0.0012 ppm
Concentration per Run 3	0.0004 ppm	0.0007 ppm	0.0016 ppm	0.0028 ppm	0.0174 ppm	0.4376 ppm	0.0005 ppm
Concentration RSD	162.5 %	65.1 %	72.8 %	41.4 %	11.8 %	0.8 %	418.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.9563 ppm	0.4069 ppm	-0.0001 ppm	134.7755 ppm	0.0016 ppm	-0.0016 ppm	-0.0018 ppm
Concentration per Run 1	1.9430 ppm	0.4094 ppm	0.0012 ppm	134.1848 ppm	0.0026 ppm	-0.0043 ppm	-0.0042 ppm
Concentration per Run 2	1.9730 ppm	0.4039 ppm	-0.0004 ppm	134.8251 ppm	-0.0007 ppm	-0.0004 ppm	0.0042 ppm
Concentration per Run 3	1.9530 ppm	0.4074 ppm	-0.0013 ppm	135.3166 ppm	0.0030 ppm	-0.0002 ppm	-0.0054 ppm
Concentration RSD	0.8 %	0.7 %	933.8 %	0.4 %	127.3 %	144.1 %	293.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0002 ppm	0.3811 ppm	-0.0002 ppm	0.0290 ppm	0.0006 ppm	-0.0003 ppm	-0.0005 ppm
Concentration per Run 1	-0.0005 ppm	0.3772 ppm	0.0002 ppm	0.0293 ppm	0.0004 ppm	0.0012 ppm	-0.0004 ppm
Concentration per Run 2	0.0005 ppm	0.3855 ppm	-0.0009 ppm	0.0289 ppm	0.0011 ppm	-0.0028 ppm	-0.0007 ppm
Concentration per Run 3	-0.0005 ppm	0.3805 ppm	0.0001 ppm	0.0288 ppm	0.0002 ppm	0.0009 ppm	-0.0003 ppm
Concentration RSD	298.2 %	1.1 %	286.2 %	0.9 %	78.7 %	825.5 %	38.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0049 ppm	102.5624 %	101.9196 %	101.6168 %	101.9206 %	99.9352 %	100.7245 %
Concentration per Run 1	0.0050 ppm	102.6355 %	101.6235 %	101.3179 %	102.0145 %	99.7103 %	100.9379 %
Concentration per Run 2	0.0045 ppm	102.3701 %	103.1441 %	101.6730 %	101.8645 %	101.0603 %	100.1933 %
Concentration per Run 3	0.0053 ppm	102.6816 %	100.9912 %	101.8594 %	101.8829 %	99.0351 %	101.0423 %
Concentration RSD	8.9 %	0.2 %	1.1 %	0.3 %	0.1 %	1.0 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556028-02 WG2112414
 Analysis started at: 9/17/2025 9:45:57 AM
 Rack: 1
 Vial: 11
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	0.0467 ppm	0.0027 ppm	0.0167 ppm	0.0339 ppm	0.0000 ppm	17.0324 ppm
Concentration per Run 1	0.0014 ppm	0.0443 ppm	0.0010 ppm	0.0139 ppm	0.0337 ppm	0.0000 ppm	16.9409 ppm
Concentration per Run 2	0.0003 ppm	0.0450 ppm	0.0036 ppm	0.0178 ppm	0.0339 ppm	0.0000 ppm	17.1221 ppm
Concentration per Run 3	-0.0001 ppm	0.0509 ppm	0.0035 ppm	0.0185 ppm	0.0341 ppm	0.0001 ppm	17.0341 ppm
Concentration RSD	136.4 %	7.8 %	54.8 %	14.9 %	0.7 %	139.2 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	0.0010 ppm	0.0001 ppm	0.0022 ppm	0.0358 ppm	0.4155 ppm	-0.0010 ppm
Concentration per Run 1	-0.0001 ppm	0.0012 ppm	0.0003 ppm	0.0012 ppm	0.0361 ppm	0.4025 ppm	-0.0014 ppm
Concentration per Run 2	-0.0005 ppm	-0.0006 ppm	0.0000 ppm	0.0028 ppm	0.0338 ppm	0.4239 ppm	-0.0013 ppm
Concentration per Run 3	0.0000 ppm	0.0023 ppm	-0.0001 ppm	0.0027 ppm	0.0376 ppm	0.4200 ppm	-0.0002 ppm
Concentration RSD	136.8 %	150.6 %	322.1 %	38.5 %	5.3 %	2.7 %	69.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.8016 ppm	0.4279 ppm	-0.0015 ppm	136.0269 ppm	0.0008 ppm	-0.0032 ppm	-0.0072 ppm
Concentration per Run 1	1.7172 ppm	0.4236 ppm	-0.0014 ppm	135.6493 ppm	0.0011 ppm	-0.0052 ppm	-0.0101 ppm
Concentration per Run 2	1.8809 ppm	0.4301 ppm	-0.0020 ppm	136.7532 ppm	0.0015 ppm	-0.0023 ppm	-0.0059 ppm
Concentration per Run 3	1.8066 ppm	0.4300 ppm	-0.0009 ppm	135.6782 ppm	-0.0001 ppm	-0.0021 ppm	-0.0055 ppm
Concentration RSD	4.6 %	0.9 %	38.1 %	0.5 %	98.6 %	53.1 %	35.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	0.5034 ppm	0.0014 ppm	0.0351 ppm	0.0002 ppm	-0.0020 ppm	-0.0004 ppm
Concentration per Run 1	0.0010 ppm	0.4777 ppm	0.0016 ppm	0.0347 ppm	0.0006 ppm	-0.0040 ppm	-0.0005 ppm
Concentration per Run 2	0.0030 ppm	0.5216 ppm	-0.0004 ppm	0.0353 ppm	-0.0007 ppm	-0.0030 ppm	-0.0004 ppm
Concentration per Run 3	0.0023 ppm	0.5108 ppm	0.0029 ppm	0.0353 ppm	0.0008 ppm	0.0011 ppm	-0.0004 ppm
Concentration RSD	49.7 %	4.5 %	121.3 %	1.0 %	351.9 %	137.1 %	16.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0035 ppm	101.7407 %	101.1595 %	100.4397 %	101.4436 %	99.4496 %	100.1118 %
Concentration per Run 1	0.0033 ppm	106.1322 %	100.8823 %	100.6336 %	104.5838 %	99.0694 %	100.0063 %
Concentration per Run 2	0.0032 ppm	97.9672 %	101.4565 %	100.1738 %	98.7986 %	99.6951 %	99.8566 %
Concentration per Run 3	0.0040 ppm	101.1226 %	101.1397 %	100.5116 %	100.9483 %	99.5841 %	100.4727 %
Concentration RSD	11.6 %	4.0 %	0.3 %	0.2 %	2.9 %	0.3 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556028-03 WG2112414
 Analysis started at: 9/17/2025 9:49:12 AM
 Rack: 1
 Vial: 12
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.0391 ppm	0.0013 ppm	0.0187 ppm	0.0363 ppm	0.0001 ppm	19.6149 ppm
Concentration per Run 1	0.0015 ppm	0.0437 ppm	0.0001 ppm	0.0194 ppm	0.0361 ppm	0.0001 ppm	19.4845 ppm
Concentration per Run 2	0.0008 ppm	0.0368 ppm	0.0006 ppm	0.0184 ppm	0.0365 ppm	0.0000 ppm	19.7611 ppm
Concentration per Run 3	0.0003 ppm	0.0369 ppm	0.0031 ppm	0.0184 ppm	0.0364 ppm	0.0001 ppm	19.5992 ppm
Concentration RSD	65.1 %	10.1 %	124.8 %	3.1 %	0.6 %	54.5 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0009 ppm	0.0002 ppm	0.0033 ppm	0.0158 ppm	0.4371 ppm	0.0000 ppm
Concentration per Run 1	0.0002 ppm	-0.0009 ppm	-0.0008 ppm	0.0030 ppm	0.0162 ppm	0.4621 ppm	0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0029 ppm	0.0015 ppm	0.0040 ppm	0.0168 ppm	0.4258 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	0.0005 ppm	0.0000 ppm	0.0030 ppm	0.0144 ppm	0.4233 ppm	-0.0018 ppm
Concentration RSD	367.0 %	219.4 %	499.9 %	16.8 %	7.9 %	5.0 %	4,670.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	4.7192 ppm	0.2908 ppm	-0.0007 ppm	134.2965 ppm	-0.0002 ppm	0.0042 ppm	-0.0010 ppm
Concentration per Run 1	4.7520 ppm	0.2898 ppm	0.0004 ppm	132.6780 ppm	0.0004 ppm	0.0064 ppm	0.0004 ppm
Concentration per Run 2	4.6985 ppm	0.2920 ppm	-0.0005 ppm	135.9815 ppm	-0.0009 ppm	0.0024 ppm	-0.0031 ppm
Concentration per Run 3	4.7072 ppm	0.2907 ppm	-0.0021 ppm	134.2300 ppm	0.0000 ppm	0.0037 ppm	-0.0003 ppm
Concentration RSD	0.6 %	0.4 %	168.7 %	1.2 %	385.7 %	48.5 %	184.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0027 ppm	0.4245 ppm	0.0009 ppm	0.0421 ppm	-0.0004 ppm	-0.0006 ppm	-0.0003 ppm
Concentration per Run 1	0.0017 ppm	0.4255 ppm	0.0015 ppm	0.0418 ppm	0.0002 ppm	0.0027 ppm	0.0000 ppm
Concentration per Run 2	0.0030 ppm	0.4266 ppm	-0.0010 ppm	0.0422 ppm	-0.0007 ppm	-0.0053 ppm	-0.0007 ppm
Concentration per Run 3	0.0035 ppm	0.4215 ppm	0.0023 ppm	0.0423 ppm	-0.0007 ppm	0.0006 ppm	-0.0003 ppm
Concentration RSD	35.2 %	0.6 %	186.1 %	0.7 %	122.1 %	660.3 %	116.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0119 ppm	102.9950 %	102.2310 %	101.1354 %	102.1903 %	99.8795 %	100.4379 %
Concentration per Run 1	0.0118 ppm	102.4004 %	102.5786 %	99.5954 %	101.9894 %	99.9253 %	98.8197 %
Concentration per Run 2	0.0120 ppm	103.2293 %	102.3899 %	102.8750 %	101.9974 %	99.8651 %	102.0666 %
Concentration per Run 3	0.0118 ppm	103.3554 %	101.7245 %	100.9358 %	102.5841 %	99.8480 %	100.4273 %
Concentration RSD	1.0 %	0.5 %	0.4 %	1.6 %	0.3 %	0.0 %	1.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
 Analysis started at: 9/17/2025 9:52:27 AM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5000 ppm	0.5125 ppm	0.5001 ppm	0.5068 ppm	0.5109 ppm	0.5244 ppm	0.5012 ppm
Concentration per Run 1	0.4965 ppm	0.5217 ppm	0.5017 ppm	0.5031 ppm	0.5103 ppm	0.5232 ppm	0.5055 ppm
Concentration per Run 2	0.5010 ppm	0.5153 ppm	0.5011 ppm	0.5069 ppm	0.5141 ppm	0.5280 ppm	0.5014 ppm
Concentration per Run 3	0.5024 ppm	0.5004 ppm	0.4976 ppm	0.5104 ppm	0.5083 ppm	0.5218 ppm	0.4968 ppm
Recovery Percentage 1	99.992 %	102.497 %	100.020 %	101.359 %	102.177 %	104.875 %	100.246 %
Concentration RSD	0.6 %	2.1 %	0.4 %	0.7 %	0.6 %	0.6 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5135 ppm	0.5167 ppm	0.5155 ppm	0.5049 ppm	0.5189 ppm	5.3023 ppm	0.5265 ppm
Concentration per Run 1	0.5110 ppm	0.5147 ppm	0.5119 ppm	0.5034 ppm	0.5223 ppm	5.3624 ppm	0.5293 ppm
Concentration per Run 2	0.5171 ppm	0.5187 ppm	0.5182 ppm	0.5044 ppm	0.5196 ppm	5.2813 ppm	0.5289 ppm
Concentration per Run 3	0.5123 ppm	0.5168 ppm	0.5163 ppm	0.5069 ppm	0.5147 ppm	5.2633 ppm	0.5213 ppm
Recovery Percentage 1	102.696 %	103.345 %	103.099 %	100.981 %	103.774 %	106.046 %	105.298 %
Concentration RSD	0.6 %	0.4 %	0.6 %	0.4 %	0.7 %	1.0 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4931 ppm	0.5144 ppm	0.5036 ppm	10.4867 ppm	0.5150 ppm	0.5220 ppm	0.5177 ppm
Concentration per Run 1	0.4900 ppm	0.5119 ppm	0.5007 ppm	10.4786 ppm	0.5103 ppm	0.5206 ppm	0.5095 ppm
Concentration per Run 2	0.4965 ppm	0.5163 ppm	0.5059 ppm	10.5632 ppm	0.5172 ppm	0.5279 ppm	0.5269 ppm
Concentration per Run 3	0.4928 ppm	0.5151 ppm	0.5043 ppm	10.4182 ppm	0.5175 ppm	0.5174 ppm	0.5167 ppm
Recovery Percentage 1	98.623 %	102.889 %	100.724 %	104.867 %	103.002 %	104.393 %	103.537 %
Concentration RSD	0.7 %	0.4 %	0.5 %	0.7 %	0.8 %	1.0 %	1.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.5023 ppm	5.4535 ppm	0.5063 ppm	0.5155 ppm	0.5060 ppm	0.5118 ppm	0.5167 ppm
Concentration per Run 1	0.5029 ppm	5.4232 ppm	0.5058 ppm	0.5145 ppm	0.5028 ppm	0.5127 ppm	0.5142 ppm
Concentration per Run 2	0.5034 ppm	5.4748 ppm	0.5056 ppm	0.5203 ppm	0.5086 ppm	0.5192 ppm	0.5181 ppm
Concentration per Run 3	0.5006 ppm	5.4626 ppm	0.5076 ppm	0.5117 ppm	0.5065 ppm	0.5036 ppm	0.5178 ppm
Recovery Percentage 1	100.458 %	103.877 %	101.270 %	103.096 %	101.193 %	102.365 %	103.339 %
Concentration RSD	0.3 %	0.5 %	0.2 %	0.8 %	0.6 %	1.5 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5187 ppm	102.3675 %	103.8427 %	101.3139 %	101.3809 %	101.6914 %	100.1964 %
Concentration per Run 1	0.5150 ppm	102.6932 %	104.0721 %	100.7274 %	101.4229 %	101.6966 %	99.6882 %
Concentration per Run 2	0.5230 ppm	102.2312 %	102.5159 %	101.0980 %	101.3114 %	100.5911 %	99.7307 %
Concentration per Run 3	0.5183 ppm	102.1782 %	104.9401 %	102.1162 %	101.4083 %	102.7864 %	101.1702 %
Recovery Percentage 1	103.747 %						
Concentration RSD	0.8 %	0.3 %	1.2 %	0.7 %	0.1 %	1.1 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 9:55:42 AM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	0.0116 ppm	0.0005 ppm	0.0021 ppm	0.0002 ppm	0.0001 ppm	-0.0031 ppm
Concentration per Run 1	0.0007 ppm	0.0175 ppm	-0.0010 ppm	0.0014 ppm	0.0002 ppm	0.0000 ppm	-0.0045 ppm
Concentration per Run 2	0.0010 ppm	0.0071 ppm	0.0022 ppm	0.0036 ppm	0.0002 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run 3	0.0008 ppm	0.0102 ppm	0.0002 ppm	0.0014 ppm	0.0001 ppm	0.0001 ppm	-0.0047 ppm
Recovery Percentage 1	11.696 %	11.590 %	9.076 %	7.139 %	1.826 %	1.571 %	-3.117 %
Concentration RSD	17.6 %	46.4 %	357.8 %	59.5 %	33.7 %	28.2 %	80.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0006 ppm	-0.0001 ppm	0.0003 ppm	0.0012 ppm	0.0264 ppm	0.0005 ppm
Concentration per Run 1	0.0001 ppm	0.0007 ppm	-0.0003 ppm	0.0005 ppm	0.0019 ppm	0.0484 ppm	0.0018 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	-0.0001 ppm	-0.0004 ppm	0.0001 ppm	0.0169 ppm	0.0004 ppm
Concentration per Run 3	-0.0001 ppm	0.0007 ppm	0.0002 ppm	0.0009 ppm	0.0017 ppm	0.0138 ppm	-0.0007 ppm
Recovery Percentage 1	0.640 %	2.870 %	-0.503 %	3.444 %	2.458 %	1.054 %	9.837 %
Concentration RSD	328.3 %	39.4 %	484.8 %	193.8 %	82.4 %	72.7 %	257.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0052 ppm	0.0000 ppm	0.0018 ppm	-0.0026 ppm	-0.0001 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run 1	-0.0045 ppm	-0.0001 ppm	0.0026 ppm	-0.0020 ppm	0.0013 ppm	-0.0010 ppm	-0.0001 ppm
Concentration per Run 2	-0.0046 ppm	0.0001 ppm	0.0007 ppm	0.0007 ppm	-0.0002 ppm	0.0012 ppm	-0.0022 ppm
Concentration per Run 3	-0.0066 ppm	0.0001 ppm	0.0022 ppm	-0.0064 ppm	-0.0014 ppm	-0.0001 ppm	-0.0046 ppm
Recovery Percentage 1	-5.247 %	0.367 %	3.643 %	-0.128 %	-0.278 %	0.427 %	-4.656 %
Concentration RSD	22.4 %	317.1 %	56.4 %	140.8 %	1,959.9 %	2,586.3 %	97.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0012 ppm	-0.0074 ppm	0.0010 ppm	0.0001 ppm	-0.0006 ppm	0.0044 ppm	-0.0004 ppm
Concentration per Run 1	-0.0027 ppm	-0.0084 ppm	0.0020 ppm	0.0000 ppm	-0.0005 ppm	0.0033 ppm	-0.0007 ppm
Concentration per Run 2	-0.0011 ppm	-0.0027 ppm	-0.0005 ppm	0.0001 ppm	-0.0008 ppm	0.0056 ppm	-0.0007 ppm
Concentration per Run 3	0.0002 ppm	-0.0112 ppm	0.0015 ppm	0.0002 ppm	-0.0006 ppm	0.0044 ppm	0.0000 ppm
Recovery Percentage 1	-11.766 %	-1.487 %	2.056 %	1.014 %	-6.323 %	22.138 %	-4.396 %
Concentration RSD	122.6 %	57.9 %	129.6 %	117.3 %	24.6 %	26.4 %	89.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	101.3310 %	103.6629 %	101.5148 %	101.6208 %	103.3373 %	101.6279 %
Concentration per Run 1	-0.0003 ppm	101.6343 %	102.8522 %	101.9181 %	101.9972 %	102.5292 %	101.9218 %
Concentration per Run 2	0.0000 ppm	100.2823 %	103.2033 %	101.8294 %	101.0410 %	103.2591 %	101.6834 %
Concentration per Run 3	-0.0003 ppm	102.0763 %	104.9332 %	100.7970 %	101.8240 %	104.2236 %	101.2786 %
Recovery Percentage 1	-3.360 %						
Concentration RSD	95.1 %	0.9 %	1.1 %	0.6 %	0.5 %	0.8 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2114901-1 WG2114901
 Analysis started at: 9/17/2025 10:26:08 AM
 Rack: 1
 Vial: 13
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0018 ppm	0.0214 ppm	0.0015 ppm	0.0013 ppm	0.0004 ppm	0.0000 ppm	0.0144 ppm
Concentration per Run 1	0.0022 ppm	0.0281 ppm	0.0039 ppm	0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0152 ppm
Concentration per Run 2	0.0023 ppm	0.0206 ppm	-0.0012 ppm	0.0012 ppm	0.0005 ppm	0.0000 ppm	0.0129 ppm
Concentration per Run 3	0.0010 ppm	0.0155 ppm	0.0018 ppm	0.0023 ppm	0.0002 ppm	0.0000 ppm	0.0149 ppm
Recovery Percentage 1	26.215 %	21.420 %	30.286 %	4.353 %	3.753 %	0.308 %	14.356 %
Concentration RSD	38.5 %	29.5 %	168.1 %	74.3 %	40.1 %	64.1 %	8.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0006 ppm	0.0006 ppm	0.0010 ppm	0.0635 ppm	0.0389 ppm	-0.0009 ppm
Concentration per Run 1	-0.0001 ppm	-0.0006 ppm	0.0006 ppm	0.0020 ppm	0.0621 ppm	0.0288 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0007 ppm	0.0013 ppm	0.0007 ppm	0.0656 ppm	0.0570 ppm	-0.0020 ppm
Concentration per Run 3	-0.0001 ppm	-0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0628 ppm	0.0308 ppm	-0.0011 ppm
Recovery Percentage 1	-1.655 %	-3.016 %	6.480 %	10.065 %	126.958 %	1.554 %	-18.526 %
Concentration RSD	70.3 %	9.0 %	93.8 %	86.1 %	2.9 %	40.5 %	127.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0067 ppm	0.0005 ppm	0.0004 ppm	-0.0001 ppm	0.0031 ppm	-0.0047 ppm	0.0031 ppm
Concentration per Run 1	-0.0033 ppm	0.0007 ppm	0.0010 ppm	-0.0038 ppm	0.0035 ppm	-0.0049 ppm	0.0055 ppm
Concentration per Run 2	-0.0080 ppm	0.0005 ppm	-0.0001 ppm	0.0014 ppm	0.0039 ppm	-0.0043 ppm	0.0005 ppm
Concentration per Run 3	-0.0088 ppm	0.0004 ppm	0.0004 ppm	0.0019 ppm	0.0019 ppm	-0.0047 ppm	0.0032 ppm
Recovery Percentage 1	-6.697 %	5.292 %	0.860 %	-0.007 %	12.319 %	-46.521 %	6.113 %
Concentration RSD	44.2 %	26.9 %	125.9 %	2,108.0 %	34.9 %	6.7 %	81.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0009 ppm	0.0119 ppm	0.0077 ppm	0.0001 ppm	-0.0004 ppm	0.0007 ppm	-0.0009 ppm
Concentration per Run 1	0.0018 ppm	0.0094 ppm	0.0075 ppm	0.0001 ppm	-0.0003 ppm	-0.0011 ppm	-0.0018 ppm
Concentration per Run 2	-0.0026 ppm	0.0126 ppm	0.0081 ppm	0.0001 ppm	-0.0012 ppm	0.0051 ppm	-0.0003 ppm
Concentration per Run 3	-0.0019 ppm	0.0138 ppm	0.0074 ppm	0.0000 ppm	0.0002 ppm	-0.0018 ppm	-0.0007 ppm
Recovery Percentage 1	-9.034 %	2.382 %	15.362 %	0.656 %	-4.418 %	3.743 %	-8.945 %
Concentration RSD	261.8 %	19.3 %	4.9 %	130.0 %	169.9 %	508.6 %	86.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0018 ppm	98.5012 %	102.3627 %	97.9906 %	98.5226 %	101.1149 %	98.2559 %
Concentration per Run 1	0.0015 ppm	98.4180 %	101.2311 %	97.9253 %	98.6054 %	100.3601 %	97.6671 %
Concentration per Run 2	0.0018 ppm	99.6782 %	102.2238 %	98.5421 %	99.2635 %	100.8541 %	98.7896 %
Concentration per Run 3	0.0022 ppm	97.4073 %	103.6331 %	97.5043 %	97.6991 %	102.1307 %	98.3112 %
Recovery Percentage 1	36.593 %						
Concentration RSD	19.0 %	1.2 %	1.2 %	0.5 %	0.8 %	0.9 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: Test FM 1525 AJT
 Analysis started at: 9/17/2025 10:29:32 AM
 Rack: 1
 Vial: 22
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0018 ppm	0.0619 ppm	0.1185 ppm	0.9660 ppm	0.0004 ppm	-0.0002 ppm	9.8537 ppm
Concentration per Run 1	0.0024 ppm	0.0591 ppm	0.1178 ppm	0.9666 ppm	0.0005 ppm	-0.0001 ppm	9.8277 ppm
Concentration per Run 2	0.0025 ppm	0.0707 ppm	0.1214 ppm	0.9602 ppm	0.0004 ppm	-0.0002 ppm	9.8864 ppm
Concentration per Run 3	0.0005 ppm	0.0560 ppm	0.1163 ppm	0.9713 ppm	0.0003 ppm	-0.0002 ppm	9.8470 ppm
Concentration RSD	62.8 %	12.5 %	2.2 %	0.6 %	28.8 %	13.8 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0028 ppm	-0.0013 ppm	0.0005 ppm	-0.0004 ppm	0.0057 ppm	10.1351 ppm	-0.0009 ppm
Concentration per Run 1	0.0031 ppm	-0.0018 ppm	0.0001 ppm	-0.0006 ppm	0.0057 ppm	10.0975 ppm	-0.0008 ppm
Concentration per Run 2	0.0025 ppm	-0.0007 ppm	0.0006 ppm	-0.0005 ppm	0.0065 ppm	10.1785 ppm	-0.0010 ppm
Concentration per Run 3	0.0027 ppm	-0.0015 ppm	0.0008 ppm	-0.0001 ppm	0.0048 ppm	10.1292 ppm	-0.0008 ppm
Concentration RSD	9.8 %	40.0 %	69.7 %	73.1 %	15.4 %	0.4 %	16.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.5599 ppm	0.0006 ppm	0.9476 ppm	10.0556 ppm	-0.0001 ppm	0.5116 ppm	-0.0032 ppm
Concentration per Run 1	9.6197 ppm	0.0005 ppm	0.9473 ppm	9.9796 ppm	0.0004 ppm	0.5137 ppm	0.0001 ppm
Concentration per Run 2	9.4816 ppm	0.0006 ppm	0.9374 ppm	10.0399 ppm	-0.0005 ppm	0.5105 ppm	-0.0005 ppm
Concentration per Run 3	9.5783 ppm	0.0006 ppm	0.9581 ppm	10.1474 ppm	-0.0002 ppm	0.5106 ppm	-0.0093 ppm
Concentration RSD	0.7 %	11.0 %	1.1 %	0.8 %	384.6 %	0.4 %	163.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1159 ppm	0.7057 ppm	0.9065 ppm	0.9567 ppm	0.9611 ppm	0.1174 ppm	-0.0011 ppm
Concentration per Run 1	0.1146 ppm	0.7075 ppm	0.9046 ppm	0.9522 ppm	0.9603 ppm	0.1162 ppm	-0.0010 ppm
Concentration per Run 2	0.1189 ppm	0.6944 ppm	0.8989 ppm	0.9619 ppm	0.9581 ppm	0.1207 ppm	-0.0014 ppm
Concentration per Run 3	0.1142 ppm	0.7151 ppm	0.9161 ppm	0.9562 ppm	0.9648 ppm	0.1151 ppm	-0.0010 ppm
Concentration RSD	2.3 %	1.5 %	1.0 %	0.5 %	0.4 %	2.5 %	17.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0004 ppm	103.6559 %	105.4731 %	103.3299 %	103.0553 %	103.6457 %	102.3908 %
Concentration per Run 1	-0.0006 ppm	103.7845 %	105.9345 %	102.9831 %	103.0251 %	104.2131 %	102.4586 %
Concentration per Run 2	-0.0006 ppm	103.1629 %	104.8070 %	103.5032 %	102.2516 %	103.1951 %	102.3504 %
Concentration per Run 3	-0.0001 ppm	104.0204 %	105.6779 %	103.5035 %	103.8890 %	103.5287 %	102.3633 %
Concentration RSD	62.6 %	0.4 %	0.6 %	0.3 %	0.8 %	0.5 %	0.1 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2114901-2D2 WG2114901
 Analysis started at: 9/17/2025 10:32:47 AM
 Rack: 1
 Vial: 14
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0507 ppm	2.1195 ppm	0.1235 ppm	1.0397 ppm	2.0376 ppm	0.0520 ppm	10.6032 ppm
Concentration per Run 1	0.0502 ppm	2.1138 ppm	0.1217 ppm	1.0347 ppm	2.0381 ppm	0.0521 ppm	10.5942 ppm
Concentration per Run 2	0.0509 ppm	2.1303 ppm	0.1220 ppm	1.0412 ppm	2.0424 ppm	0.0521 ppm	10.6501 ppm
Concentration per Run 3	0.0510 ppm	2.1144 ppm	0.1269 ppm	1.0432 ppm	2.0324 ppm	0.0517 ppm	10.5652 ppm
Concentration RSD	0.9 %	0.4 %	2.4 %	0.4 %	0.2 %	0.4 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0536 ppm	0.4991 ppm	0.2023 ppm	0.2474 ppm	1.0487 ppm	10.9674 ppm	-0.0012 ppm
Concentration per Run 1	0.0534 ppm	0.4978 ppm	0.2003 ppm	0.2473 ppm	1.0495 ppm	10.9310 ppm	-0.0006 ppm
Concentration per Run 2	0.0538 ppm	0.5009 ppm	0.2029 ppm	0.2474 ppm	1.0509 ppm	11.0243 ppm	-0.0017 ppm
Concentration per Run 3	0.0536 ppm	0.4985 ppm	0.2036 ppm	0.2475 ppm	1.0456 ppm	10.9468 ppm	-0.0012 ppm
Concentration RSD	0.3 %	0.3 %	0.9 %	0.0 %	0.3 %	0.5 %	48.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.2863 ppm	0.5095 ppm	1.0515 ppm	10.9741 ppm	0.5075 ppm	0.5414 ppm	0.5113 ppm
Concentration per Run 1	10.2714 ppm	0.5101 ppm	1.0494 ppm	10.9257 ppm	0.5053 ppm	0.5444 ppm	0.5086 ppm
Concentration per Run 2	10.3146 ppm	0.5116 ppm	1.0577 ppm	11.0820 ppm	0.5090 ppm	0.5389 ppm	0.5236 ppm
Concentration per Run 3	10.2728 ppm	0.5068 ppm	1.0475 ppm	10.9146 ppm	0.5083 ppm	0.5409 ppm	0.5018 ppm
Concentration RSD	0.2 %	0.5 %	0.5 %	0.9 %	0.4 %	0.5 %	2.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1209 ppm	1.2145 ppm	1.0464 [SIC 20]	1.0368 ppm	1.0386 ppm	0.1218 ppm	0.5151 ppm
Concentration per Run 1	0.1202 ppm	1.2136 ppm	1.0506 ppm	1.0356 ppm	1.0345 ppm	0.1240 ppm	0.5120 ppm
Concentration per Run 2	0.1229 ppm	1.2160 ppm	1.0455 ppm	1.0396 ppm	1.0436 ppm	0.1226 ppm	0.5187 ppm
Concentration per Run 3	0.1196 ppm	1.2139 ppm	1.0432 ppm	1.0353 ppm	1.0376 ppm	0.1187 ppm	0.5147 ppm
Concentration RSD	1.5 %	0.1 %	0.4 %	0.2 %	0.4 %	2.3 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5133 ppm	101.9547 %	102.6611 %	100.2371 %	100.8608 %	101.4119 %	99.5942 %
Concentration per Run 1	0.5098 ppm	102.0589 %	103.9692 %	99.7689 %	100.4665 %	102.9223 %	99.3043 %
Concentration per Run 2	0.5166 ppm	102.0946 %	102.5749 %	101.1775 %	101.3649 %	101.3469 %	100.8417 %
Concentration per Run 3	0.5136 ppm	101.7105 %	101.4392 %	99.7649 %	100.7511 %	99.9664 %	98.6367 %
Concentration RSD	0.7 %	0.2 %	1.2 %	0.8 %	0.5 %	1.5 %	1.1 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2557306-01D10 WG2114901
 Analysis started at: 9/17/2025 10:35:59 AM
 Rack: 1
 Vial: 20
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	1.5734 ppm	0.0025 ppm	0.0083 ppm	0.0623 ppm	0.0001 ppm	82.7672 ppm
Concentration per Run 1	0.0004 ppm	1.5653 ppm	0.0006 ppm	0.0071 ppm	0.0623 ppm	0.0001 ppm	82.4973 ppm
Concentration per Run 2	0.0012 ppm	1.5666 ppm	0.0036 ppm	0.0099 ppm	0.0622 ppm	0.0001 ppm	82.9872 ppm
Concentration per Run 3	-0.0001 ppm	1.5882 ppm	0.0032 ppm	0.0080 ppm	0.0624 ppm	0.0001 ppm	82.8170 ppm
Concentration RSD	131.2 %	0.8 %	64.3 %	16.8 %	0.2 %	22.3 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	0.0424 ppm	0.9015 ppm	0.0437 ppm	68.9372 ppm	0.4301 ppm	0.0027 ppm
Concentration per Run 1	0.0004 ppm	0.0426 ppm	0.8935 ppm	0.0432 ppm	68.9760 ppm	0.4216 ppm	0.0025 ppm
Concentration per Run 2	0.0001 ppm	0.0435 ppm	0.9062 ppm	0.0441 ppm	69.3092 ppm	0.4129 ppm	0.0023 ppm
Concentration per Run 3	0.0001 ppm	0.0410 ppm	0.9049 ppm	0.0437 ppm	68.5264 ppm	0.4558 ppm	0.0034 ppm
Concentration RSD	86.0 %	2.9 %	0.8 %	1.1 %	0.6 %	5.3 %	20.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.6791 ppm	0.5055 ppm	0.0141 ppm	0.1076 ppm	0.0422 ppm	1.3619 ppm	-0.0022 ppm
Concentration per Run 1	1.6706 ppm	0.5054 ppm	0.0139 ppm	0.1113 ppm	0.0410 ppm	1.3602 ppm	-0.0041 ppm
Concentration per Run 2	1.6750 ppm	0.5055 ppm	0.0147 ppm	0.1085 ppm	0.0430 ppm	1.3600 ppm	-0.0040 ppm
Concentration per Run 3	1.6918 ppm	0.5055 ppm	0.0138 ppm	0.1029 ppm	0.0426 ppm	1.3656 ppm	0.0014 ppm
Concentration RSD	0.7 %	0.0 %	3.4 %	4.0 %	2.6 %	0.2 %	141.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0023 ppm	0.2050 ppm	0.0100 ppm	0.0500 ppm	0.0666 ppm	0.0050 ppm	0.0005 ppm
Concentration per Run 1	0.0019 ppm	0.2092 ppm	0.0092 ppm	0.0500 ppm	0.0661 ppm	0.0033 ppm	0.0006 ppm
Concentration per Run 2	-0.0049 ppm	0.1974 ppm	0.0106 ppm	0.0501 ppm	0.0671 ppm	0.0096 ppm	0.0001 ppm
Concentration per Run 3	-0.0040 ppm	0.2083 ppm	0.0100 ppm	0.0500 ppm	0.0666 ppm	0.0020 ppm	0.0010 ppm
Concentration RSD	159.9 %	3.2 %	7.3 %	0.2 %	0.7 %	82.1 %	85.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	7.2728 ppm	103.4843 %	105.8909 %	102.0192 %	103.3064 %	104.2151 %	102.5157 %
Concentration per Run 1	7.2440 ppm	103.9621 %	106.5158 %	102.2053 %	103.7441 %	104.8922 %	102.4248 %
Concentration per Run 2	7.2753 ppm	102.9252 %	105.3713 %	102.3047 %	102.7389 %	103.3469 %	103.0419 %
Concentration per Run 3	7.2991 ppm	103.5655 %	105.7858 %	101.5476 %	103.4361 %	104.4062 %	102.0804 %
Concentration RSD	0.4 %	0.5 %	0.5 %	0.4 %	0.5 %	0.8 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: zL2557306-01D20 WG2114901
 Analysis started at: 9/17/2025 10:39:14 AM
 Rack: 1
 Vial: 21
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	0.8002 ppm	0.0051 ppm	0.0043 ppm	0.0314 ppm	0.0000 ppm	42.1589 ppm
Concentration per Run 1	0.0015 ppm	0.8089 ppm	0.0046 ppm	0.0039 ppm	0.0315 ppm	0.0000 ppm	42.1815 ppm
Concentration per Run 2	0.0018 ppm	0.7987 ppm	0.0065 ppm	0.0040 ppm	0.0314 ppm	0.0001 ppm	41.9097 ppm
Concentration per Run 3	0.0008 ppm	0.7929 ppm	0.0042 ppm	0.0050 ppm	0.0314 ppm	0.0000 ppm	42.3855 ppm
Concentration RSD	35.5 %	1.0 %	23.8 %	14.6 %	0.2 %	123.8 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0202 ppm	0.4481 ppm	0.0218 ppm	35.4849 ppm	0.2318 ppm	0.0015 ppm
Concentration per Run 1	0.0001 ppm	0.0201 ppm	0.4514 ppm	0.0227 ppm	35.5500 ppm	0.2361 ppm	0.0018 ppm
Concentration per Run 2	0.0000 ppm	0.0204 ppm	0.4448 ppm	0.0213 ppm	35.3358 ppm	0.2215 ppm	0.0014 ppm
Concentration per Run 3	0.0000 ppm	0.0200 ppm	0.4482 ppm	0.0215 ppm	35.5689 ppm	0.2377 ppm	0.0012 ppm
Concentration RSD	136.2 %	1.0 %	0.7 %	3.6 %	0.4 %	3.9 %	22.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.8430 ppm	0.2550 ppm	0.0049 ppm	0.0532 ppm	0.0197 ppm	0.6818 ppm	0.0007 ppm
Concentration per Run 1	0.8492 ppm	0.2550 ppm	0.0052 ppm	0.0587 ppm	0.0182 ppm	0.6753 ppm	-0.0010 ppm
Concentration per Run 2	0.8365 ppm	0.2542 ppm	0.0040 ppm	0.0531 ppm	0.0206 ppm	0.6890 ppm	0.0020 ppm
Concentration per Run 3	0.8432 ppm	0.2557 ppm	0.0056 ppm	0.0478 ppm	0.0202 ppm	0.6811 ppm	0.0009 ppm
Concentration RSD	0.8 %	0.3 %	16.3 %	10.3 %	6.6 %	1.0 %	232.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0025 ppm	0.0973 ppm	0.0041 ppm	0.0251 ppm	0.0334 ppm	0.0034 ppm	-0.0003 ppm
Concentration per Run 1	-0.0046 ppm	0.0960 ppm	0.0061 ppm	0.0251 ppm	0.0334 ppm	0.0001 ppm	-0.0004 ppm
Concentration per Run 2	0.0002 ppm	0.1005 ppm	0.0025 ppm	0.0252 ppm	0.0335 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 3	-0.0030 ppm	0.0954 ppm	0.0037 ppm	0.0249 ppm	0.0333 ppm	0.0094 ppm	-0.0005 ppm
Concentration RSD	99.1 %	2.9 %	44.8 %	0.6 %	0.3 %	156.6 %	91.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	3.6829 ppm	104.1977 %	104.6149 %	103.0110 %	103.7419 %	103.0413 %	102.9277 %
Concentration per Run 1	3.7050 ppm	103.5083 %	104.3318 %	103.0693 %	103.3299 %	103.1753 %	102.6000 %
Concentration per Run 2	3.6490 ppm	104.8927 %	104.7960 %	102.1409 %	104.1418 %	103.4174 %	102.4910 %
Concentration per Run 3	3.6948 ppm	104.1922 %	104.7169 %	103.8229 %	103.7539 %	102.5311 %	103.6922 %
Concentration RSD	0.8 %	0.7 %	0.2 %	0.8 %	0.4 %	0.4 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556719-26D2 WG2114901
 Analysis started at: 9/17/2025 10:42:28 AM
 Rack: 1
 Vial: 15
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	36.7794 ppm	0.0478 ppm	0.0280 ppm	0.4030 ppm	0.0021 ppm	671.4485 ppm
Concentration per Run 1	0.0021 ppm	36.6908 ppm	0.0484 ppm	0.0264 ppm	0.4026 ppm	0.0021 ppm	671.7194 ppm
Concentration per Run 2	0.0007 ppm	36.9941 ppm	0.0490 ppm	0.0299 ppm	0.4050 ppm	0.0020 ppm	674.0414 ppm
Concentration per Run 3	0.0002 ppm	36.6534 ppm	0.0461 ppm	0.0276 ppm	0.4015 ppm	0.0021 ppm	668.5846 ppm
Concentration RSD	99.4 %	0.5 %	3.2 %	6.3 %	0.4 %	2.6 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0023 ppm	0.0281 ppm	0.0580 ppm	0.1658 ppm	74.6504 ppm	4.0495 ppm	0.0625 ppm
Concentration per Run 1	-0.0026 ppm	0.0281 ppm	0.0584 ppm	0.1682 ppm	75.0161 ppm	4.0474 ppm	0.0635 ppm
Concentration per Run 2	-0.0022 ppm	0.0281 ppm	0.0591 ppm	0.1653 ppm	74.5486 ppm	4.0611 ppm	0.0627 ppm
Concentration per Run 3	-0.0020 ppm	0.0280 ppm	0.0565 ppm	0.1640 ppm	74.3864 ppm	4.0400 ppm	0.0615 ppm
Concentration RSD	14.1 %	0.1 %	2.3 %	1.3 %	0.4 %	0.3 %	1.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	259.1929 ppm	3.3529 ppm	0.0018 ppm	0.9513 ppm	0.0641 ppm	0.3748 ppm	-0.0080 ppm
Concentration per Run 1	262.7686 ppm	3.3465 ppm	0.0015 ppm	0.9515 ppm	0.0644 ppm	0.3762 ppm	-0.0060 ppm
Concentration per Run 2	257.2893 ppm	3.3584 ppm	0.0009 ppm	0.9550 ppm	0.0650 ppm	0.3736 ppm	-0.0098 ppm
Concentration per Run 3	257.5209 ppm	3.3538 ppm	0.0028 ppm	0.9474 ppm	0.0627 ppm	0.3746 ppm	-0.0082 ppm
Concentration RSD	1.2 %	0.2 %	55.6 %	0.4 %	1.9 %	0.3 %	23.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0001 ppm	1.7377 ppm	0.0136 ppm	0.4200 ppm	0.4535 ppm	0.0051 ppm	0.0850 ppm
Concentration per Run 1	-0.0014 ppm	1.7624 ppm	0.0125 ppm	0.4195 ppm	0.4616 ppm	-0.0014 ppm	0.0874 ppm
Concentration per Run 2	0.0044 ppm	1.7298 ppm	0.0119 ppm	0.4241 ppm	0.4505 ppm	0.0100 ppm	0.0840 ppm
Concentration per Run 3	-0.0025 ppm	1.7209 ppm	0.0164 ppm	0.4165 ppm	0.4483 ppm	0.0066 ppm	0.0836 ppm
Concentration RSD	2,682.6 %	1.3 %	17.9 %	0.9 %	1.6 %	115.6 %	2.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6726 ppm	100.9420 %	99.9721 %	95.0848 %	114.7035 %	113.1594 %	110.0294 %
Concentration per Run 1	0.6821 ppm	99.4506 %	100.0225 %	94.6021 %	113.9792 %	112.9986 %	110.0038 %
Concentration per Run 2	0.6698 ppm	101.2224 %	99.7409 %	95.6476 %	114.4019 %	113.3225 %	110.3289 %
Concentration per Run 3	0.6659 ppm	102.1529 %	100.1529 %	95.0047 %	115.7292 %	113.1571 %	109.7556 %
Concentration RSD	1.3 %	1.4 %	0.2 %	0.6 %	0.8 %	0.1 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2114901-3D2 WG2114901
 Analysis started at: 9/17/2025 10:45:41 AM
 Rack: 1
 Vial: 16
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0480 ppm	41.2716 ppm	0.1647 ppm	0.8371 ppm	2.0880 ppm	0.0426 ppm	896.9477 ppm
Concentration per Run 1	0.0486 ppm	41.4477 ppm	0.1644 ppm	0.8279 ppm	2.0866 ppm	0.0427 ppm	899.8922 ppm
Concentration per Run 2	0.0478 ppm	41.3235 ppm	0.1651 ppm	0.8397 ppm	2.0917 ppm	0.0427 ppm	898.3319 ppm
Concentration per Run 3	0.0477 ppm	41.0436 ppm	0.1646 ppm	0.8437 ppm	2.0856 ppm	0.0424 ppm	892.6190 ppm
Concentration RSD	1.1 %	0.5 %	0.2 %	1.0 %	0.2 %	0.4 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0373 ppm	0.4130 ppm	0.2167 ppm	0.4145 ppm	90.8779 ppm	12.9730 ppm	0.0619 ppm
Concentration per Run 1	0.0372 ppm	0.4114 ppm	0.2149 ppm	0.4179 ppm	91.2557 ppm	12.9554 ppm	0.0620 ppm
Concentration per Run 2	0.0372 ppm	0.4125 ppm	0.2187 ppm	0.4131 ppm	90.8621 ppm	12.9866 ppm	0.0622 ppm
Concentration per Run 3	0.0376 ppm	0.4152 ppm	0.2164 ppm	0.4124 ppm	90.5159 ppm	12.9769 ppm	0.0614 ppm
Concentration RSD	0.7 %	0.5 %	0.9 %	0.7 %	0.4 %	0.1 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	461.0854 ppm	4.3376 ppm	0.8030 ppm	10.6483 ppm	0.4428 ppm	1.0938 ppm	0.1837 ppm
Concentration per Run 1	457.8987 ppm	4.3830 ppm	0.7999 ppm	10.5812 ppm	0.4385 ppm	1.0949 ppm	0.1862 ppm
Concentration per Run 2	462.4239 ppm	4.3375 ppm	0.8079 ppm	10.7124 ppm	0.4469 ppm	1.1015 ppm	0.1802 ppm
Concentration per Run 3	462.9337 ppm	4.2923 ppm	0.8011 ppm	10.6512 ppm	0.4429 ppm	1.0850 ppm	0.1846 ppm
Concentration RSD	0.6 %	1.0 %	0.5 %	0.6 %	0.9 %	0.8 %	1.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0977 ppm	4.5316 ppm	0.7641 ppm	1.2332 ppm	1.0813 ppm	0.1120 ppm	0.5045 ppm
Concentration per Run 1	0.0976 ppm	4.5168 ppm	0.7609 ppm	1.2363 ppm	1.0755 ppm	0.1105 ppm	0.5012 ppm
Concentration per Run 2	0.0998 ppm	4.5198 ppm	0.7689 ppm	1.2350 ppm	1.0843 ppm	0.1188 ppm	0.5060 ppm
Concentration per Run 3	0.0957 ppm	4.5582 ppm	0.7625 ppm	1.2282 ppm	1.0842 ppm	0.1068 ppm	0.5062 ppm
Concentration RSD	2.1 %	0.5 %	0.6 %	0.3 %	0.5 %	5.5 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0825 ppm	100.4834 %	98.2640 %	92.6697 %	114.0662 %	110.8873 %	107.4060 %
Concentration per Run 1	1.0749 ppm	101.1477 %	98.2286 %	92.5088 %	114.6202 %	110.9207 %	107.5456 %
Concentration per Run 2	1.0888 ppm	100.1828 %	98.3927 %	92.3879 %	113.8739 %	111.1854 %	107.2249 %
Concentration per Run 3	1.0840 ppm	100.1196 %	98.1707 %	93.1124 %	113.7045 %	110.5558 %	107.4477 %
Concentration RSD	0.7 %	0.6 %	0.1 %	0.4 %	0.4 %	0.3 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2114901-4D2 WG2114901
 Analysis started at: 9/17/2025 10:48:54 AM
 Rack: 1
 Vial: 17
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0480 ppm	42.2730 ppm	0.1551 ppm	0.8760 ppm	2.0642 ppm	0.0447 ppm	489.3801 ppm
Concentration per Run 1	0.0481 ppm	42.0480 ppm	0.1569 ppm	0.8774 ppm	2.0546 ppm	0.0444 ppm	485.4690 ppm
Concentration per Run 2	0.0474 ppm	42.4767 ppm	0.1518 ppm	0.8722 ppm	2.0635 ppm	0.0449 ppm	492.5820 ppm
Concentration per Run 3	0.0486 ppm	42.2943 ppm	0.1566 ppm	0.8783 ppm	2.0745 ppm	0.0448 ppm	490.0892 ppm
Concentration RSD	1.3 %	0.5 %	1.8 %	0.4 %	0.5 %	0.5 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0421 ppm	0.4347 ppm	0.2225 ppm	0.3989 ppm	76.0690 ppm	13.1079 ppm	0.0626 ppm
Concentration per Run 1	0.0421 ppm	0.4365 ppm	0.2247 ppm	0.4021 ppm	76.0467 ppm	13.0328 ppm	0.0618 ppm
Concentration per Run 2	0.0418 ppm	0.4320 ppm	0.2212 ppm	0.3979 ppm	75.9591 ppm	13.0928 ppm	0.0628 ppm
Concentration per Run 3	0.0424 ppm	0.4357 ppm	0.2217 ppm	0.3968 ppm	76.2011 ppm	13.1981 ppm	0.0634 ppm
Concentration RSD	0.8 %	0.6 %	0.9 %	0.7 %	0.2 %	0.6 %	1.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	195.1261 ppm	3.5634 ppm	0.8564 ppm	10.2958 ppm	0.4726 ppm	0.8287 ppm	0.1845 ppm
Concentration per Run 1	196.2880 ppm	3.5507 ppm	0.8616 ppm	10.2282 ppm	0.4742 ppm	0.8341 ppm	0.1879 ppm
Concentration per Run 2	194.4220 ppm	3.5712 ppm	0.8492 ppm	10.3112 ppm	0.4701 ppm	0.8179 ppm	0.1864 ppm
Concentration per Run 3	194.6684 ppm	3.5683 ppm	0.8584 ppm	10.3480 ppm	0.4733 ppm	0.8340 ppm	0.1791 ppm
Concentration RSD	0.5 %	0.3 %	0.8 %	0.6 %	0.5 %	1.1 %	2.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1053 ppm	4.4516 ppm	0.7954 ppm	1.1460 ppm	1.1646 ppm	0.1083 ppm	0.5163 ppm
Concentration per Run 1	0.1095 ppm	4.4693 ppm	0.8034 ppm	1.1368 ppm	1.1724 ppm	0.1068 ppm	0.5191 ppm
Concentration per Run 2	0.1015 ppm	4.4397 ppm	0.7945 ppm	1.1459 ppm	1.1592 ppm	0.1040 ppm	0.5136 ppm
Concentration per Run 3	0.1049 ppm	4.4458 ppm	0.7885 ppm	1.1553 ppm	1.1621 ppm	0.1140 ppm	0.5161 ppm
Concentration RSD	3.8 %	0.4 %	0.9 %	0.8 %	0.6 %	4.8 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1561 ppm	100.8478 %	100.9788 %	95.6157 %	112.3132 %	111.3993 %	108.0366 %
Concentration per Run 1	1.1633 ppm	99.7528 %	101.7647 %	94.9691 %	111.5184 %	111.8154 %	107.9408 %
Concentration per Run 2	1.1478 ppm	101.4803 %	100.9403 %	96.8996 %	112.4722 %	111.8481 %	108.2338 %
Concentration per Run 3	1.1574 ppm	101.3102 %	100.2315 %	94.9782 %	112.9491 %	110.5342 %	107.9351 %
Concentration RSD	0.7 %	0.9 %	0.8 %	1.2 %	0.6 %	0.7 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2114901-5D2 WG2114901
 Analysis started at: 9/17/2025 10:52:08 AM
 Rack: 1
 Vial: 18
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0504 ppm	37.8675 ppm	0.1657 ppm	0.9901 ppm	2.2765 ppm	0.0496 ppm	666.4319 ppm
Concentration per Run 1	0.0496 ppm	37.8512 ppm	0.1651 ppm	0.9887 ppm	2.2707 ppm	0.0495 ppm	666.3278 ppm
Concentration per Run 2	0.0507 ppm	37.8468 ppm	0.1671 ppm	1.0005 ppm	2.2737 ppm	0.0496 ppm	667.2495 ppm
Concentration per Run 3	0.0511 ppm	37.9046 ppm	0.1648 ppm	0.9812 ppm	2.2852 ppm	0.0497 ppm	665.7184 ppm
Concentration RSD	1.5 %	0.1 %	0.8 %	1.0 %	0.3 %	0.3 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0454 ppm	0.4789 ppm	0.2408 ppm	0.4240 ppm	73.8025 ppm	14.3678 ppm	0.0599 ppm
Concentration per Run 1	0.0453 ppm	0.4763 ppm	0.2395 ppm	0.4216 ppm	73.5262 ppm	14.3599 ppm	0.0611 ppm
Concentration per Run 2	0.0455 ppm	0.4845 ppm	0.2456 ppm	0.4304 ppm	73.9712 ppm	14.3165 ppm	0.0605 ppm
Concentration per Run 3	0.0453 ppm	0.4759 ppm	0.2374 ppm	0.4199 ppm	73.9100 ppm	14.4269 ppm	0.0581 ppm
Concentration RSD	0.3 %	1.0 %	1.8 %	1.3 %	0.3 %	0.4 %	2.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	262.0163 ppm	3.7228 ppm	0.9455 ppm	11.1876 ppm	0.5142 ppm	0.8712 ppm	0.4359 ppm
Concentration per Run 1	261.1464 ppm	3.7174 ppm	0.9410 ppm	11.1511 ppm	0.5115 ppm	0.8711 ppm	0.4405 ppm
Concentration per Run 2	264.3931 ppm	3.7331 ppm	0.9533 ppm	11.1813 ppm	0.5204 ppm	0.8672 ppm	0.4393 ppm
Concentration per Run 3	260.5095 ppm	3.7178 ppm	0.9423 ppm	11.2306 ppm	0.5107 ppm	0.8752 ppm	0.4279 ppm
Concentration RSD	0.8 %	0.2 %	0.7 %	0.4 %	1.0 %	0.5 %	1.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1176 ppm	2.5916 ppm	0.9312 ppm	1.3429 ppm	1.3878 ppm	0.1232 ppm	0.5680 ppm
Concentration per Run 1	0.1179 ppm	2.5873 ppm	0.9280 ppm	1.3384 ppm	1.3855 ppm	0.1196 ppm	0.5662 ppm
Concentration per Run 2	0.1179 ppm	2.6230 ppm	0.9389 ppm	1.3415 ppm	1.4025 ppm	0.1257 ppm	0.5742 ppm
Concentration per Run 3	0.1170 ppm	2.5646 ppm	0.9268 ppm	1.3487 ppm	1.3753 ppm	0.1242 ppm	0.5635 ppm
Concentration RSD	0.4 %	1.1 %	0.7 %	0.4 %	1.0 %	2.6 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1019 ppm	100.9853 %	99.8538 %	95.8434 %	114.8471 %	112.0866 %	110.2216 %
Concentration per Run 1	1.0980 ppm	101.8419 %	99.6580 %	96.2824 %	115.5399 %	112.0153 %	110.2667 %
Concentration per Run 2	1.1083 ppm	100.1822 %	100.2276 %	95.7181 %	114.2478 %	112.3485 %	110.3768 %
Concentration per Run 3	1.0993 ppm	100.9318 %	99.6758 %	95.5296 %	114.7535 %	111.8960 %	110.0211 %
Concentration RSD	0.5 %	0.8 %	0.3 %	0.4 %	0.6 %	0.2 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2114901-6D10 WG2114901
 Analysis started at: 9/17/2025 10:55:21 AM
 Rack: 1
 Vial: 19
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	7.1810 ppm	0.0111 ppm	0.0044 ppm	0.0801 ppm	0.0005 ppm	140.1158 ppm
Concentration per Run 1	0.0005 ppm	7.2171 ppm	0.0118 ppm	0.0036 ppm	0.0804 ppm	0.0004 ppm	140.4645 ppm
Concentration per Run 2	0.0013 ppm	7.1929 ppm	0.0133 ppm	0.0050 ppm	0.0801 ppm	0.0005 ppm	140.0894 ppm
Concentration per Run 3	0.0009 ppm	7.1331 ppm	0.0084 ppm	0.0045 ppm	0.0798 ppm	0.0005 ppm	139.7935 ppm
Concentration RSD	44.5 %	0.6 %	22.6 %	16.1 %	0.4 %	10.0 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0005 ppm	0.0058 ppm	0.0122 ppm	0.0303 ppm	15.6568 ppm	0.8072 ppm	0.0127 ppm
Concentration per Run 1	-0.0004 ppm	0.0062 ppm	0.0122 ppm	0.0307 ppm	15.7246 ppm	0.8130 ppm	0.0135 ppm
Concentration per Run 2	-0.0007 ppm	0.0048 ppm	0.0127 ppm	0.0298 ppm	15.6268 ppm	0.8055 ppm	0.0127 ppm
Concentration per Run 3	-0.0003 ppm	0.0063 ppm	0.0118 ppm	0.0304 ppm	15.6191 ppm	0.8032 ppm	0.0121 ppm
Concentration RSD	52.2 %	14.5 %	3.9 %	1.6 %	0.4 %	0.6 %	5.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	51.2958 ppm	0.6879 ppm	0.0032 ppm	0.1856 ppm	0.0128 ppm	0.0715 ppm	0.0115 ppm
Concentration per Run 1	51.3509 ppm	0.6926 ppm	0.0024 ppm	0.1871 ppm	0.0121 ppm	0.0700 ppm	0.0074 ppm
Concentration per Run 2	50.9411 ppm	0.6891 ppm	0.0045 ppm	0.1916 ppm	0.0127 ppm	0.0747 ppm	0.0151 ppm
Concentration per Run 3	51.5954 ppm	0.6820 ppm	0.0028 ppm	0.1782 ppm	0.0135 ppm	0.0698 ppm	0.0120 ppm
Concentration RSD	0.6 %	0.8 %	35.0 %	3.7 %	5.2 %	3.9 %	33.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0026 ppm	0.3339 ppm	0.0055 ppm	0.0833 ppm	0.0890 ppm	0.0028 ppm	0.0163 ppm
Concentration per Run 1	-0.0027 ppm	0.3350 ppm	0.0054 ppm	0.0836 ppm	0.0888 ppm	0.0059 ppm	0.0163 ppm
Concentration per Run 2	-0.0063 ppm	0.3246 ppm	0.0053 ppm	0.0833 ppm	0.0891 ppm	0.0035 ppm	0.0162 ppm
Concentration per Run 3	0.0014 ppm	0.3422 ppm	0.0058 ppm	0.0828 ppm	0.0890 ppm	-0.0009 ppm	0.0163 ppm
Concentration RSD	151.2 %	2.6 %	4.4 %	0.5 %	0.2 %	122.1 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1401 ppm	102.5136 %	103.7840 %	100.4706 %	105.4567 %	105.5858 %	102.9965 %
Concentration per Run 1	0.1404 ppm	102.5267 %	104.1333 %	101.0548 %	105.5615 %	105.6816 %	103.3731 %
Concentration per Run 2	0.1385 ppm	103.5121 %	103.7278 %	100.2397 %	106.2304 %	105.8046 %	102.4013 %
Concentration per Run 3	0.1415 ppm	101.5019 %	103.4908 %	100.1174 %	104.5781 %	105.2712 %	103.2152 %
Concentration RSD	1.1 %	1.0 %	0.3 %	0.5 %	0.8 %	0.3 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
Analysis started at: 9/17/2025 10:58:35 AM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4931 ppm	0.5167 ppm	0.4935 ppm	0.5009 ppm	0.5055 ppm	0.5196 ppm	0.5155 ppm
Concentration per Run 1	0.4913 ppm	0.5231 ppm	0.4937 ppm	0.5020 ppm	0.5081 ppm	0.5209 ppm	0.5176 ppm
Concentration per Run 2	0.4912 ppm	0.5081 ppm	0.4931 ppm	0.4952 ppm	0.4983 ppm	0.5123 ppm	0.5045 ppm
Concentration per Run 3	0.4969 ppm	0.5190 ppm	0.4936 ppm	0.5055 ppm	0.5101 ppm	0.5257 ppm	0.5244 ppm
Recovery Percentage 1	98.623 %	103.345 %	98.690 %	100.185 %	101.095 %	103.925 %	103.103 %
Concentration RSD	0.7 %	1.5 %	0.1 %	1.0 %	1.3 %	1.3 %	2.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5081 ppm	0.5094 ppm	0.5073 ppm	0.5000 ppm	0.5153 ppm	5.3255 ppm	0.5224 ppm
Concentration per Run 1	0.5090 ppm	0.5097 ppm	0.5072 ppm	0.4997 ppm	0.5169 ppm	5.3770 ppm	0.5283 ppm
Concentration per Run 2	0.5063 ppm	0.5089 ppm	0.5025 ppm	0.5000 ppm	0.5068 ppm	5.2549 ppm	0.5145 ppm
Concentration per Run 3	0.5092 ppm	0.5096 ppm	0.5121 ppm	0.5002 ppm	0.5221 ppm	5.3447 ppm	0.5244 ppm
Recovery Percentage 1	101.628 %	101.879 %	101.454 %	99.993 %	103.052 %	106.510 %	104.482 %
Concentration RSD	0.3 %	0.1 %	1.0 %	0.1 %	1.5 %	1.2 %	1.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4943 ppm	0.5110 ppm	0.5021 ppm	10.3844 ppm	0.5125 ppm	0.5066 ppm	0.5174 ppm
Concentration per Run 1	0.5005 ppm	0.5101 ppm	0.5025 ppm	10.4865 ppm	0.5102 ppm	0.5063 ppm	0.5090 ppm
Concentration per Run 2	0.4879 ppm	0.5054 ppm	0.4983 ppm	10.2275 ppm	0.5071 ppm	0.5066 ppm	0.5226 ppm
Concentration per Run 3	0.4945 ppm	0.5174 ppm	0.5055 ppm	10.4392 ppm	0.5204 ppm	0.5070 ppm	0.5205 ppm
Recovery Percentage 1	98.860 %	102.193 %	100.426 %	103.844 %	102.510 %	101.330 %	103.470 %
Concentration RSD	1.3 %	1.2 %	0.7 %	1.3 %	1.4 %	0.1 %	1.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4964 ppm	5.3946 ppm	0.5035 ppm	0.5087 ppm	0.4971 ppm	0.5036 ppm	0.5111 ppm
Concentration per Run 1	0.4973 ppm	5.3781 ppm	0.5052 ppm	0.5119 ppm	0.4960 ppm	0.5015 ppm	0.5126 ppm
Concentration per Run 2	0.4970 ppm	5.3793 ppm	0.4983 ppm	0.4996 ppm	0.4957 ppm	0.5042 ppm	0.5085 ppm
Concentration per Run 3	0.4949 ppm	5.4264 ppm	0.5071 ppm	0.5147 ppm	0.4998 ppm	0.5052 ppm	0.5123 ppm
Recovery Percentage 1	99.275 %	102.754 %	100.709 %	101.744 %	99.427 %	100.730 %	102.228 %
Concentration RSD	0.3 %	0.5 %	0.9 %	1.6 %	0.5 %	0.4 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5150 ppm	103.2649 %	103.9626 %	102.5102 %	102.8798 %	102.2669 %	102.0182 %
Concentration per Run 1	0.5153 ppm	103.2488 %	103.6810 %	102.8967 %	102.9983 %	102.5577 %	102.2000 %
Concentration per Run 2	0.5111 ppm	103.4193 %	105.1884 %	102.1357 %	102.8583 %	102.6563 %	101.7891 %
Concentration per Run 3	0.5185 ppm	103.1265 %	103.0182 %	102.4981 %	102.7828 %	101.5865 %	102.0653 %
Recovery Percentage 1	102.998 %						
Concentration RSD	0.7 %	0.1 %	1.1 %	0.4 %	0.1 %	0.6 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 11:01:50 AM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	0.0111 ppm	0.0043 ppm	0.0032 ppm	0.0003 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run 1	0.0004 ppm	0.0134 ppm	0.0029 ppm	0.0018 ppm	0.0003 ppm	0.0001 ppm	0.0022 ppm
Concentration per Run 2	0.0028 ppm	0.0079 ppm	0.0036 ppm	0.0045 ppm	0.0004 ppm	0.0001 ppm	0.0025 ppm
Concentration per Run 3	0.0000 ppm	0.0121 ppm	0.0064 ppm	0.0034 ppm	0.0003 ppm	0.0001 ppm	-0.0022 ppm
Recovery Percentage 1	15.397 %	11.120 %	85.792 %	10.780 %	3.217 %	2.110 %	0.854 %
Concentration RSD	143.3 %	25.8 %	43.1 %	41.6 %	11.4 %	31.9 %	309.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0013 ppm	0.0004 ppm	0.0004 ppm	0.0010 ppm	0.0400 ppm	0.0013 ppm
Concentration per Run 1	-0.0001 ppm	-0.0024 ppm	0.0006 ppm	0.0004 ppm	0.0010 ppm	0.0376 ppm	0.0010 ppm
Concentration per Run 2	0.0004 ppm	-0.0004 ppm	0.0003 ppm	0.0010 ppm	0.0015 ppm	0.0386 ppm	0.0017 ppm
Concentration per Run 3	0.0001 ppm	-0.0009 ppm	0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.0437 ppm	0.0011 ppm
Recovery Percentage 1	2.736 %	-6.338 %	3.535 %	4.147 %	2.008 %	1.600 %	26.025 %
Concentration RSD	179.3 %	82.2 %	83.1 %	146.8 %	47.7 %	8.2 %	30.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0046 ppm	0.0000 ppm	0.0020 ppm	-0.0052 ppm	0.0011 ppm	-0.0025 ppm	0.0030 ppm
Concentration per Run 1	-0.0065 ppm	0.0001 ppm	0.0029 ppm	-0.0089 ppm	0.0014 ppm	-0.0028 ppm	0.0087 ppm
Concentration per Run 2	-0.0053 ppm	0.0000 ppm	0.0014 ppm	-0.0063 ppm	0.0008 ppm	-0.0017 ppm	-0.0024 ppm
Concentration per Run 3	-0.0020 ppm	0.0000 ppm	0.0017 ppm	-0.0005 ppm	0.0009 ppm	-0.0031 ppm	0.0027 ppm
Recovery Percentage 1	-4.617 %	0.277 %	4.030 %	-0.260 %	4.235 %	-25.458 %	5.944 %
Concentration RSD	50.0 %	270.1 %	40.0 %	82.6 %	31.3 %	28.9 %	186.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0034 ppm	-0.0071 ppm	0.0010 ppm	0.0001 ppm	-0.0004 ppm	0.0055 ppm	-0.0005 ppm
Concentration per Run 1	-0.0029 ppm	-0.0074 ppm	0.0007 ppm	0.0002 ppm	-0.0006 ppm	0.0036 ppm	-0.0010 ppm
Concentration per Run 2	-0.0063 ppm	-0.0092 ppm	0.0027 ppm	0.0000 ppm	-0.0005 ppm	0.0094 ppm	0.0003 ppm
Concentration per Run 3	-0.0010 ppm	-0.0048 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0034 ppm	-0.0010 ppm
Recovery Percentage 1	-33.779 %	-1.428 %	2.052 %	0.512 %	-3.816 %	27.402 %	-5.380 %
Concentration RSD	78.9 %	30.8 %	146.0 %	203.5 %	80.2 %	62.1 %	137.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	99.8252 %	101.6914 %	98.9041 %	100.7409 %	101.2752 %	99.5290 %
Concentration per Run 1	-0.0003 ppm	100.6468 %	102.0282 %	99.3101 %	101.4278 %	101.6194 %	100.2816 %
Concentration per Run 2	-0.0005 ppm	99.9071 %	101.0929 %	99.0524 %	100.3618 %	101.0062 %	99.5241 %
Concentration per Run 3	0.0000 ppm	98.9219 %	101.9530 %	98.3499 %	100.4331 %	101.2000 %	98.7811 %
Recovery Percentage 1	-4.713 %						
Concentration RSD	110.0 %	0.9 %	0.5 %	0.5 %	0.6 %	0.3 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115354-1 WG2115354
 Analysis started at: 9/17/2025 11:20:23 AM
 Rack: 1
 Vial: 23
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	0.0232 ppm	0.0010 ppm	0.0025 ppm	0.0001 ppm	0.0000 ppm	0.0168 ppm
Concentration per Run 1	0.0008 ppm	0.0225 ppm	0.0008 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0151 ppm
Concentration per Run 2	0.0010 ppm	0.0251 ppm	0.0044 ppm	0.0052 ppm	0.0000 ppm	0.0001 ppm	0.0172 ppm
Concentration per Run 3	0.0017 ppm	0.0220 ppm	-0.0020 ppm	0.0028 ppm	0.0001 ppm	0.0001 ppm	0.0180 ppm
Recovery Percentage 1	16.244 %	23.189 %	20.816 %	8.491 %	0.634 %	0.829 %	16.770 %
Concentration RSD	42.6 %	7.1 %	308.8 %	109.5 %	111.9 %	95.4 %	8.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0004 ppm	-0.0004 ppm	0.0000 ppm	0.0214 ppm	0.0271 ppm	0.0000 ppm
Concentration per Run 1	0.0001 ppm	-0.0006 ppm	-0.0011 ppm	0.0005 ppm	0.0215 ppm	0.0076 ppm	0.0002 ppm
Concentration per Run 2	-0.0002 ppm	-0.0009 ppm	0.0006 ppm	-0.0004 ppm	0.0223 ppm	0.0302 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	-0.0007 ppm	0.0000 ppm	0.0205 ppm	0.0435 ppm	-0.0004 ppm
Recovery Percentage 1	-1.060 %	-1.867 %	-4.410 %	0.428 %	42.836 %	1.083 %	-0.540 %
Concentration RSD	296.8 %	167.0 %	200.8 %	1,063.2 %	4.2 %	67.1 %	1,279.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0036 ppm	0.0001 ppm	-0.0001 ppm	0.0057 ppm	0.0003 ppm	-0.0018 ppm	-0.0008 ppm
Concentration per Run 1	-0.0045 ppm	0.0001 ppm	-0.0007 ppm	0.0058 ppm	0.0010 ppm	-0.0021 ppm	0.0012 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0065 ppm	-0.0011 ppm	-0.0029 ppm	-0.0062 ppm
Concentration per Run 3	-0.0061 ppm	0.0000 ppm	0.0002 ppm	0.0048 ppm	0.0009 ppm	-0.0003 ppm	0.0025 ppm
Recovery Percentage 1	-3.557 %	1.105 %	-0.103 %	0.287 %	1.071 %	-17.669 %	-1.645 %
Concentration RSD	87.5 %	77.2 %	1,025.4 %	14.7 %	438.9 %	75.6 %	571.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0011 ppm	0.0109 ppm	0.0103 ppm	0.0000 ppm	-0.0015 ppm	0.0013 ppm	-0.0015 ppm
Concentration per Run 1	0.0001 ppm	0.0098 ppm	0.0098 ppm	0.0001 ppm	-0.0011 ppm	-0.0007 ppm	-0.0015 ppm
Concentration per Run 2	0.0019 ppm	0.0110 ppm	0.0100 ppm	0.0000 ppm	-0.0010 ppm	-0.0003 ppm	-0.0014 ppm
Concentration per Run 3	0.0014 ppm	0.0120 ppm	0.0113 ppm	0.0000 ppm	-0.0022 ppm	0.0051 ppm	-0.0016 ppm
Recovery Percentage 1	11.369 %	2.187 %	20.532 %	0.428 %	-14.544 %	6.668 %	-14.915 %
Concentration RSD	82.0 %	10.0 %	9.0 %	113.4 %	47.5 %	242.0 %	9.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	98.9072 %	103.6855 %	98.5611 %	99.2051 %	102.4028 %	98.4818 %
Concentration per Run 1	0.0005 ppm	98.2679 %	104.0353 %	98.4116 %	98.5796 %	102.3430 %	98.2586 %
Concentration per Run 2	0.0006 ppm	99.5591 %	103.1366 %	98.0674 %	99.4006 %	102.6138 %	98.0958 %
Concentration per Run 3	0.0005 ppm	98.8945 %	103.8845 %	99.2042 %	99.6350 %	102.2517 %	99.0910 %
Recovery Percentage 1	10.852 %						
Concentration RSD	7.6 %	0.7 %	0.5 %	0.6 %	0.6 %	0.2 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: Test FPS 1625 CLH
 Analysis started at: 9/17/2025 11:23:50 AM
 Rack: 1
 Vial: 31
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	0.0161 ppm	0.0992 ppm	0.0022 ppm	0.0001 ppm	0.0000 ppm	-0.0012 ppm
Concentration per Run 1	-0.0003 ppm	0.0128 ppm	0.0996 ppm	0.0030 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	0.0006 ppm	0.0267 ppm	0.1021 ppm	0.0042 ppm	0.0002 ppm	-0.0001 ppm	0.0018 ppm
Concentration per Run 3	0.0002 ppm	0.0089 ppm	0.0958 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	-0.0054 ppm
Concentration RSD	265.2 %	58.2 %	3.2 %	106.5 %	60.7 %	1,071.8 %	314.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0025 ppm	-0.0007 ppm	0.0000 ppm	-0.0002 ppm	0.0031 ppm	0.0442 ppm	-0.0011 ppm
Concentration per Run 1	0.0025 ppm	0.0009 ppm	-0.0005 ppm	0.0000 ppm	0.0037 ppm	0.0718 ppm	-0.0010 ppm
Concentration per Run 2	0.0025 ppm	-0.0013 ppm	0.0000 ppm	-0.0010 ppm	0.0030 ppm	0.0202 ppm	-0.0003 ppm
Concentration per Run 3	0.0025 ppm	-0.0016 ppm	0.0006 ppm	0.0004 ppm	0.0027 ppm	0.0405 ppm	-0.0020 ppm
Concentration RSD	1.3 %	199.5 %	3,241.8 %	361.4 %	16.6 %	58.9 %	75.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0075 ppm	0.0002 ppm	-0.0010 ppm	-0.0036 ppm	-0.0014 ppm	0.5245 ppm	-0.0018 ppm
Concentration per Run 1	-0.0130 ppm	0.0003 ppm	-0.0008 ppm	-0.0080 ppm	-0.0011 ppm	0.5333 ppm	0.0005 ppm
Concentration per Run 2	-0.0047 ppm	0.0001 ppm	-0.0011 ppm	-0.0019 ppm	-0.0024 ppm	0.5380 ppm	0.0023 ppm
Concentration per Run 3	-0.0048 ppm	0.0002 ppm	-0.0010 ppm	-0.0009 ppm	-0.0008 ppm	0.5022 ppm	-0.0081 ppm
Concentration RSD	63.5 %	48.4 %	17.6 %	107.1 %	61.3 %	3.7 %	315.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0946 ppm	-0.0086 ppm	-0.0001 ppm	0.0000 ppm	-0.0010 ppm	0.1005 ppm	-0.0012 ppm
Concentration per Run 1	0.0947 ppm	-0.0084 ppm	-0.0001 ppm	0.0001 ppm	-0.0008 ppm	0.1006 ppm	-0.0008 ppm
Concentration per Run 2	0.0999 ppm	-0.0068 ppm	0.0001 ppm	0.0001 ppm	-0.0008 ppm	0.1042 ppm	-0.0013 ppm
Concentration per Run 3	0.0892 ppm	-0.0106 ppm	-0.0003 ppm	0.0000 ppm	-0.0013 ppm	0.0966 ppm	-0.0015 ppm
Concentration RSD	5.7 %	22.6 %	239.7 %	180.3 %	29.4 %	3.8 %	31.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0003 ppm	101.2086 %	103.1662 %	102.2502 %	101.6228 %	102.6002 %	103.1806 %
Concentration per Run 1	-0.0005 ppm	100.6841 %	103.8978 %	100.1661 %	101.3138 %	103.5181 %	101.2041 %
Concentration per Run 2	-0.0002 ppm	100.1694 %	103.0869 %	100.2789 %	100.9922 %	102.3537 %	101.2877 %
Concentration per Run 3	-0.0002 ppm	102.7724 %	102.5138 %	106.3057 %	102.5624 %	101.9289 %	107.0500 %
Concentration RSD	60.3 %	1.4 %	0.7 %	3.4 %	0.8 %	0.8 %	3.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: Test FM 1525 AJT v2
 Analysis started at: 9/17/2025 11:27:04 AM
 Rack: 1
 Vial: 32
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.0617 ppm	0.1153 ppm	0.9614 ppm	0.0004 ppm	-0.0001 ppm	9.7711 ppm
Concentration per Run 1	0.0006 ppm	0.0646 ppm	0.1162 ppm	0.9531 ppm	0.0004 ppm	-0.0001 ppm	9.7807 ppm
Concentration per Run 2	0.0013 ppm	0.0626 ppm	0.1142 ppm	0.9544 ppm	0.0003 ppm	-0.0002 ppm	9.6856 ppm
Concentration per Run 3	0.0007 ppm	0.0578 ppm	0.1155 ppm	0.9768 ppm	0.0005 ppm	-0.0001 ppm	9.8470 ppm
Concentration RSD	43.5 %	5.7 %	0.9 %	1.4 %	21.2 %	42.0 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0028 ppm	-0.0012 ppm	-0.0003 ppm	-0.0003 ppm	0.0068 ppm	10.0465 ppm	0.0005 ppm
Concentration per Run 1	0.0028 ppm	0.0000 ppm	-0.0008 ppm	0.0002 ppm	0.0065 ppm	10.0597 ppm	0.0008 ppm
Concentration per Run 2	0.0029 ppm	-0.0019 ppm	-0.0005 ppm	-0.0001 ppm	0.0073 ppm	9.9959 ppm	0.0003 ppm
Concentration per Run 3	0.0028 ppm	-0.0017 ppm	0.0003 ppm	-0.0008 ppm	0.0065 ppm	10.0839 ppm	0.0004 ppm
Concentration RSD	2.2 %	83.9 %	183.3 %	205.7 %	7.0 %	0.5 %	49.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.3233 ppm	0.0005 ppm	0.9356 ppm	9.9182 ppm	-0.0002 ppm	0.4984 ppm	-0.0019 ppm
Concentration per Run 1	9.2872 ppm	0.0006 ppm	0.9264 ppm	9.8973 ppm	0.0001 ppm	0.4992 ppm	0.0000 ppm
Concentration per Run 2	9.3595 ppm	0.0008 ppm	0.9333 ppm	9.8237 ppm	-0.0010 ppm	0.4992 ppm	-0.0076 ppm
Concentration per Run 3	9.3233 ppm	0.0002 ppm	0.9471 ppm	10.0336 ppm	0.0002 ppm	0.4968 ppm	0.0018 ppm
Concentration RSD	0.4 %	55.0 %	1.1 %	1.1 %	272.4 %	0.3 %	259.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1119 ppm	0.6921 ppm	0.8948 ppm	0.9490 ppm	0.9429 ppm	0.1148 ppm	-0.0006 ppm
Concentration per Run 1	0.1153 ppm	0.6887 ppm	0.8830 ppm	0.9500 ppm	0.9382 ppm	0.1150 ppm	-0.0011 ppm
Concentration per Run 2	0.1124 ppm	0.6898 ppm	0.8924 ppm	0.9435 ppm	0.9454 ppm	0.1181 ppm	-0.0005 ppm
Concentration per Run 3	0.1080 ppm	0.6980 ppm	0.9089 ppm	0.9536 ppm	0.9450 ppm	0.1115 ppm	-0.0002 ppm
Concentration RSD	3.3 %	0.7 %	1.5 %	0.5 %	0.4 %	2.9 %	74.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0006 ppm	104.1297 %	105.9152 %	103.0642 %	104.7329 %	104.4085 %	102.8319 %
Concentration per Run 1	-0.0009 ppm	105.2724 %	105.6869 %	102.8109 %	105.8793 %	104.7364 %	103.0270 %
Concentration per Run 2	-0.0001 ppm	103.8747 %	106.8317 %	103.7719 %	103.7713 %	105.0160 %	103.5480 %
Concentration per Run 3	-0.0007 ppm	103.2421 %	105.2272 %	102.6099 %	104.5481 %	103.4729 %	101.9208 %
Concentration RSD	72.5 %	1.0 %	0.8 %	0.6 %	1.0 %	0.8 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115354-2D2 WG2115354
 Analysis started at: 9/17/2025 11:30:19 AM
 Rack: 1
 Vial: 24
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0540 ppm	2.2333 ppm	0.1298 ppm	1.0449 ppm	2.1312 ppm	0.0548 ppm	10.5993 ppm
Concentration per Run 1	0.0508 ppm	2.2444 ppm	0.1308 ppm	0.9833 ppm	2.1485 ppm	0.0550 ppm	10.6382 ppm
Concentration per Run 2	0.0576 ppm	2.2548 ppm	0.1298 ppm	1.0964 ppm	2.1394 ppm	0.0550 ppm	10.6364 ppm
Concentration per Run 3	0.0536 ppm	2.2008 ppm	0.1289 ppm	1.0552 ppm	2.1056 ppm	0.0542 ppm	10.5232 ppm
Concentration RSD	6.3 %	1.3 %	0.7 %	5.5 %	1.1 %	0.8 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0566 ppm	0.5283 ppm	0.2125 ppm	0.2632 ppm	1.0987 ppm	10.8965 ppm	-0.0002 ppm
Concentration per Run 1	0.0540 ppm	0.5030 ppm	0.1977 ppm	0.2497 ppm	1.1083 ppm	10.9632 ppm	0.0005 ppm
Concentration per Run 2	0.0591 ppm	0.5544 ppm	0.2233 ppm	0.2758 ppm	1.1004 ppm	10.9103 ppm	-0.0007 ppm
Concentration per Run 3	0.0567 ppm	0.5277 ppm	0.2166 ppm	0.2642 ppm	1.0874 ppm	10.8161 ppm	-0.0005 ppm
Concentration RSD	4.5 %	4.9 %	6.2 %	5.0 %	1.0 %	0.7 %	296.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.3101 ppm	0.5375 ppm	1.0541 ppm	10.8743 ppm	0.5364 ppm	0.5536 ppm	0.5315 ppm
Concentration per Run 1	9.7302 ppm	0.5389 ppm	0.9978 ppm	10.9839 ppm	0.5062 ppm	0.5542 ppm	0.5006 ppm
Concentration per Run 2	10.8214 ppm	0.5413 ppm	1.1089 ppm	10.8299 ppm	0.5617 ppm	0.5482 ppm	0.5622 ppm
Concentration per Run 3	10.3788 ppm	0.5323 ppm	1.0555 ppm	10.8090 ppm	0.5413 ppm	0.5585 ppm	0.5316 ppm
Concentration RSD	5.3 %	0.9 %	5.3 %	0.9 %	5.2 %	0.9 %	5.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1265 ppm	1.2157 ppm	1.0606 [SIC 20]	1.0318 ppm	1.0428 ppm	0.1302 ppm	0.5459 ppm
Concentration per Run 1	0.1251 ppm	1.1450 ppm	1.0021 ppm	1.0371 ppm	0.9779 ppm	0.1318 ppm	0.5166 ppm
Concentration per Run 2	0.1261 ppm	1.2814 ppm	1.1157 ppm	1.0394 ppm	1.0950 ppm	0.1267 ppm	0.5753 ppm
Concentration per Run 3	0.1282 ppm	1.2208 ppm	1.0641 ppm	1.0190 ppm	1.0555 ppm	0.1320 ppm	0.5459 ppm
Concentration RSD	1.3 %	5.6 %	5.4 %	1.1 %	5.7 %	2.3 %	5.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5418 ppm	103.0642 %	103.3887 %	100.0543 %	103.3101 %	101.5759 %	100.0949 %
Concentration per Run 1	0.5098 ppm	108.6215 %	102.8194 %	100.0473 %	108.7070 %	100.6155 %	99.6921 %
Concentration per Run 2	0.5686 ppm	98.7027 %	102.8654 %	100.9286 %	99.8369 %	101.5376 %	101.2363 %
Concentration per Run 3	0.5471 ppm	101.8684 %	104.4812 %	99.1870 %	101.3864 %	102.5745 %	99.3562 %
Concentration RSD	5.5 %	4.9 %	0.9 %	0.9 %	4.6 %	1.0 %	1.0 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2557957-01D2 WG2115354
 Analysis started at: 9/17/2025 11:33:34 AM
 Rack: 1
 Vial: 30
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	141.6383 ppm	0.0509 ppm	0.0101 ppm	0.3485 ppm	0.0048 ppm	11.1185 ppm
Concentration per Run 1	-0.0001 ppm	141.7302 ppm	0.0506 ppm	0.0119 ppm	0.3457 ppm	0.0047 ppm	11.1333 ppm
Concentration per Run 2	0.0006 ppm	141.2999 ppm	0.0539 ppm	0.0071 ppm	0.3528 ppm	0.0048 ppm	11.1068 ppm
Concentration per Run 3	-0.0005 ppm	141.8848 ppm	0.0481 ppm	0.0112 ppm	0.3469 ppm	0.0047 ppm	11.1152 ppm
Concentration RSD	4,423.2 %	0.2 %	5.8 %	26.0 %	1.1 %	0.8 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0009 ppm	0.1168 ppm	0.2913 ppm	0.2068 ppm	256.3354 ppm	5.6006 ppm	0.2744 ppm
Concentration per Run 1	-0.0010 ppm	0.1171 ppm	0.2935 ppm	0.2075 ppm	256.1728 ppm	5.5706 ppm	0.2725 ppm
Concentration per Run 2	-0.0008 ppm	0.1181 ppm	0.2885 ppm	0.2045 ppm	256.2233 ppm	5.6297 ppm	0.2775 ppm
Concentration per Run 3	-0.0009 ppm	0.1150 ppm	0.2919 ppm	0.2082 ppm	256.6101 ppm	5.6016 ppm	0.2731 ppm
Concentration RSD	11.9 %	1.4 %	0.9 %	1.0 %	0.1 %	0.5 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	69.0761 ppm	5.0661 ppm	0.0031 ppm	0.3914 ppm	0.4143 ppm	0.1467 ppm	-0.0083 ppm
Concentration per Run 1	69.5630 ppm	5.0307 ppm	0.0038 ppm	0.3940 ppm	0.4143 ppm	0.1418 ppm	-0.0132 ppm
Concentration per Run 2	68.4807 ppm	5.0886 ppm	0.0025 ppm	0.3910 ppm	0.4145 ppm	0.1514 ppm	-0.0058 ppm
Concentration per Run 3	69.1846 ppm	5.0790 ppm	0.0030 ppm	0.3891 ppm	0.4142 ppm	0.1469 ppm	-0.0060 ppm
Concentration RSD	0.8 %	0.6 %	21.2 %	0.6 %	0.0 %	3.3 %	50.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0065 ppm	4.9859 ppm	0.0092 ppm	0.0906 ppm	1.2214 ppm	0.0041 ppm	0.1722 ppm
Concentration per Run 1	-0.0035 ppm	5.0551 ppm	0.0100 ppm	0.0902 ppm	1.2302 ppm	0.0083 ppm	0.1748 ppm
Concentration per Run 2	-0.0090 ppm	4.9369 ppm	0.0084 ppm	0.0916 ppm	1.2166 ppm	0.0051 ppm	0.1693 ppm
Concentration per Run 3	-0.0069 ppm	4.9655 ppm	0.0093 ppm	0.0902 ppm	1.2176 ppm	-0.0012 ppm	0.1725 ppm
Concentration RSD	43.4 %	1.2 %	8.6 %	0.9 %	0.6 %	118.1 %	1.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5164 ppm	107.8614 %	109.2536 %	103.4069 %	129.3693 %	130.8095 %	127.5660 %
Concentration per Run 1	0.5212 ppm	107.4605 %	110.0790 %	104.4130 %	129.1838 %	131.8594 %	128.8104 %
Concentration per Run 2	0.5136 ppm	108.5620 %	108.4952 %	102.6332 %	129.6291 %	130.3160 %	126.7185 %
Concentration per Run 3	0.5145 ppm	107.5617 %	109.1864 %	103.1747 %	129.2950 %	130.2530 %	127.1692 %
Concentration RSD	0.8 %	0.6 %	0.7 %	0.9 %	0.2 %	0.7 %	0.9 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2558008-02D2 WG2115354
 Analysis started at: 9/17/2025 11:36:48 AM
 Rack: 1
 Vial: 25
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0014 ppm	100.2952 ppm	0.0714 ppm	0.1858 ppm	1.9105 ppm	0.0117 ppm	1,035.1702 ppm
Concentration per Run 1	-0.0014 ppm	100.5790 ppm	0.0720 ppm	0.1840 ppm	1.9051 ppm	0.0118 ppm	1,036.2197 ppm
Concentration per Run 2	-0.0016 ppm	99.8112 ppm	0.0706 ppm	0.1860 ppm	1.9035 ppm	0.0117 ppm	1,032.9489 ppm
Concentration per Run 3	-0.0013 ppm	100.4953 ppm	0.0718 ppm	0.1875 ppm	1.9230 ppm	0.0116 ppm	1,036.3419 ppm
Concentration RSD	8.3 %	0.4 %	1.1 %	0.9 %	0.6 %	0.6 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0025 ppm	0.0317 ppm	0.2856 ppm	0.3725 ppm	222.3220 ppm	9.7347 ppm	0.0963 ppm
Concentration per Run 1	-0.0024 ppm	0.0325 ppm	0.2884 ppm	0.3758 ppm	221.7701 ppm	9.7311 ppm	0.0964 ppm
Concentration per Run 2	-0.0020 ppm	0.0312 ppm	0.2805 ppm	0.3678 ppm	221.4557 ppm	9.7154 ppm	0.0959 ppm
Concentration per Run 3	-0.0030 ppm	0.0315 ppm	0.2879 ppm	0.3738 ppm	223.7401 ppm	9.7574 ppm	0.0967 ppm
Concentration RSD	18.8 %	2.2 %	1.5 %	1.1 %	0.6 %	0.2 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	94.7005 ppm	15.7938 ppm	0.0147 ppm	4.0063 ppm	0.1424 ppm	0.8463 ppm	-0.0097 ppm
Concentration per Run 1	95.7658 ppm	15.8273 ppm	0.0132 ppm	4.0127 ppm	0.1431 ppm	0.8482 ppm	-0.0060 ppm
Concentration per Run 2	93.4794 ppm	15.7046 ppm	0.0156 ppm	4.0066 ppm	0.1427 ppm	0.8431 ppm	-0.0118 ppm
Concentration per Run 3	94.8564 ppm	15.8494 ppm	0.0155 ppm	3.9995 ppm	0.1414 ppm	0.8477 ppm	-0.0113 ppm
Concentration RSD	1.2 %	0.5 %	9.3 %	0.2 %	0.6 %	0.3 %	33.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0034 ppm	19.1838 ppm	0.0346 ppm	1.5955 ppm	3.1838 ppm	0.0066 ppm	0.1714 ppm
Concentration per Run 1	0.0017 ppm	19.3999 ppm	0.0328 ppm	1.5977 ppm	3.2171 ppm	0.0031 ppm	0.1721 ppm
Concentration per Run 2	-0.0072 ppm	18.9018 ppm	0.0379 ppm	1.5868 ppm	3.1466 ppm	0.0091 ppm	0.1695 ppm
Concentration per Run 3	-0.0046 ppm	19.2498 ppm	0.0332 ppm	1.6020 ppm	3.1877 ppm	0.0076 ppm	0.1726 ppm
Concentration RSD	136.9 %	1.3 %	8.2 %	0.5 %	1.1 %	47.8 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.9052 ppm	102.2722 %	103.8020 %	95.1966 %	121.6103 %	123.5681 %	117.8838 %
Concentration per Run 1	1.9178 ppm	101.2413 %	103.9549 %	94.9803 %	120.4199 %	124.3579 %	118.3306 %
Concentration per Run 2	1.8799 ppm	104.4334 %	103.6066 %	95.3714 %	123.3693 %	122.5139 %	117.6398 %
Concentration per Run 3	1.9178 ppm	101.1419 %	103.8445 %	95.2382 %	121.0416 %	123.8326 %	117.6810 %
Concentration RSD	1.1 %	1.8 %	0.2 %	0.2 %	1.3 %	0.8 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115354-3D2 WG2115354
 Analysis started at: 9/17/2025 11:40:01 AM
 Rack: 1
 Vial: 26
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0533 ppm	68.5408 ppm	0.1764 ppm	1.0863 ppm	3.1093 ppm	0.0601 ppm	938.0977 ppm
Concentration per Run 1	0.0529 ppm	68.5461 ppm	0.1723 ppm	1.0746 ppm	3.1199 ppm	0.0601 ppm	940.5227 ppm
Concentration per Run 2	0.0541 ppm	68.7846 ppm	0.1773 ppm	1.1116 ppm	3.1160 ppm	0.0600 ppm	935.3471 ppm
Concentration per Run 3	0.0529 ppm	68.2918 ppm	0.1796 ppm	1.0729 ppm	3.0921 ppm	0.0601 ppm	938.4234 ppm
Concentration RSD	1.3 %	0.4 %	2.1 %	2.0 %	0.5 %	0.1 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0540 ppm	0.5127 ppm	0.3475 ppm	0.5301 ppm	119.5217 ppm	15.1029 ppm	0.0770 ppm
Concentration per Run 1	0.0536 ppm	0.5099 ppm	0.3442 ppm	0.5285 ppm	119.7487 ppm	15.1878 ppm	0.0781 ppm
Concentration per Run 2	0.0547 ppm	0.5184 ppm	0.3540 ppm	0.5360 ppm	119.0635 ppm	15.1106 ppm	0.0770 ppm
Concentration per Run 3	0.0537 ppm	0.5097 ppm	0.3442 ppm	0.5258 ppm	119.7530 ppm	15.0104 ppm	0.0759 ppm
Concentration RSD	1.2 %	1.0 %	1.6 %	1.0 %	0.3 %	0.6 %	1.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	99.6983 ppm	7.1994 ppm	0.9763 ppm	12.5912 ppm	0.5838 ppm	1.5520 ppm	0.2551 ppm
Concentration per Run 1	99.0621 ppm	7.2229 ppm	0.9671 ppm	12.7000 ppm	0.5818 ppm	1.5404 ppm	0.2502 ppm
Concentration per Run 2	101.0114 ppm	7.1770 ppm	0.9909 ppm	12.4877 ppm	0.5927 ppm	1.5541 ppm	0.2653 ppm
Concentration per Run 3	99.0214 ppm	7.1984 ppm	0.9708 ppm	12.5860 ppm	0.5767 ppm	1.5614 ppm	0.2499 ppm
Concentration RSD	1.1 %	0.3 %	1.3 %	0.8 %	1.4 %	0.7 %	3.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1248 ppm	38.7836 [SIC 200]	1.3098 [SIC 20]	2.1263 ppm	2.2267 ppm	0.1240 ppm	0.6057 ppm
Concentration per Run 1	0.1294 ppm	38.5081 ppm	1.2948 ppm	2.1320 ppm	2.2115 ppm	0.1176 ppm	0.6023 ppm
Concentration per Run 2	0.1179 ppm	39.2569 ppm	1.3364 ppm	2.1321 ppm	2.2534 ppm	0.1260 ppm	0.6127 ppm
Concentration per Run 3	0.1270 ppm	38.5859 ppm	1.2982 ppm	2.1148 ppm	2.2152 ppm	0.1284 ppm	0.6021 ppm
Concentration RSD	4.9 %	1.1 %	1.8 %	0.5 %	1.0 %	4.6 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	2.5003 ppm	101.5034 %	103.0389 %	93.0313 %	118.7727 %	119.9174 %	112.5981 %
Concentration per Run 1	2.4788 ppm	103.1575 %	102.9432 %	94.1411 %	120.8517 %	119.6963 %	113.5995 %
Concentration per Run 2	2.5420 ppm	99.2849 %	103.2945 %	92.4249 %	115.8833 %	120.7320 %	111.7343 %
Concentration per Run 3	2.4802 ppm	102.0679 %	102.8790 %	92.5277 %	119.5831 %	119.3238 %	112.4604 %
Concentration RSD	1.4 %	2.0 %	0.2 %	1.0 %	2.2 %	0.6 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115354-4D2 WG2115354
 Analysis started at: 9/17/2025 11:43:13 AM
 Rack: 1
 Vial: 27
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0007 ppm	74.9744 ppm	0.0557 ppm	0.1145 ppm	1.1188 ppm	0.0095 ppm	772.6467 ppm
Concentration per Run 1	0.0005 ppm	75.4447 ppm	0.0567 ppm	0.1161 ppm	1.1311 ppm	0.0096 ppm	774.7343 ppm
Concentration per Run 2	-0.0011 ppm	75.1898 ppm	0.0557 ppm	0.1155 ppm	1.1191 ppm	0.0095 ppm	777.3503 ppm
Concentration per Run 3	-0.0015 ppm	74.2887 ppm	0.0548 ppm	0.1118 ppm	1.1061 ppm	0.0093 ppm	765.8554 ppm
Concentration RSD	144.1 %	0.8 %	1.8 %	2.1 %	1.1 %	1.4 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	0.0263 ppm	0.1540 ppm	0.3648 ppm	175.6212 ppm	5.0005 ppm	0.0866 ppm
Concentration per Run 1	0.0000 ppm	0.0267 ppm	0.1549 ppm	0.3718 ppm	177.3319 ppm	5.0530 ppm	0.0886 ppm
Concentration per Run 2	-0.0007 ppm	0.0245 ppm	0.1515 ppm	0.3559 ppm	175.9506 ppm	5.0298 ppm	0.0846 ppm
Concentration per Run 3	-0.0003 ppm	0.0276 ppm	0.1556 ppm	0.3667 ppm	173.5811 ppm	4.9188 ppm	0.0866 ppm
Concentration RSD	99.5 %	6.0 %	1.4 %	2.2 %	1.1 %	1.4 %	2.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	87.6286 ppm	7.2879 ppm	0.0088 ppm	2.2409 ppm	0.0943 ppm	1.0769 ppm	-0.0074 ppm
Concentration per Run 1	88.4520 ppm	7.3510 ppm	0.0076 ppm	2.2592 ppm	0.0942 ppm	1.0767 ppm	-0.0032 ppm
Concentration per Run 2	86.1518 ppm	7.3047 ppm	0.0089 ppm	2.2444 ppm	0.0943 ppm	1.0824 ppm	-0.0070 ppm
Concentration per Run 3	88.2821 ppm	7.2081 ppm	0.0099 ppm	2.2190 ppm	0.0942 ppm	1.0717 ppm	-0.0121 ppm
Concentration RSD	1.5 %	1.0 %	12.7 %	0.9 %	0.1 %	0.5 %	60.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0028 ppm	35.2652 [SIC 200]	0.0897 ppm	1.1115 ppm	1.5783 ppm	0.0046 ppm	0.1234 ppm
Concentration per Run 1	0.0033 ppm	35.3604 ppm	0.0883 ppm	1.1239 ppm	1.5892 ppm	0.0091 ppm	0.1237 ppm
Concentration per Run 2	0.0014 ppm	35.0139 ppm	0.0877 ppm	1.1124 ppm	1.5571 ppm	0.0016 ppm	0.1216 ppm
Concentration per Run 3	0.0037 ppm	35.4212 ppm	0.0930 ppm	1.0981 ppm	1.5885 ppm	0.0029 ppm	0.1249 ppm
Concentration RSD	44.3 %	0.6 %	3.2 %	1.2 %	1.2 %	87.4 %	1.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.9689 ppm	101.1307 %	103.3164 %	95.1134 %	120.4926 %	122.1129 %	116.7186 %
Concentration per Run 1	1.9816 ppm	100.7923 %	102.8026 %	94.9916 %	119.8628 %	121.6092 %	115.8792 %
Concentration per Run 2	1.9432 ppm	102.5937 %	102.5194 %	95.2294 %	122.3002 %	121.2655 %	117.4500 %
Concentration per Run 3	1.9820 ppm	100.0062 %	104.6271 %	95.1190 %	119.3149 %	123.4639 %	116.8265 %
Concentration RSD	1.1 %	1.3 %	1.1 %	0.1 %	1.3 %	1.0 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115354-5D2 WG2115354
 Analysis started at: 9/17/2025 11:46:26 AM
 Rack: 1
 Vial: 28
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0575 ppm	101.2546 ppm	0.1937 ppm	1.1432 ppm	3.7457 ppm	0.0591 ppm	1,029.9658 ppm
Concentration per Run 1	0.0567 ppm	100.8445 ppm	0.1964 ppm	1.1423 ppm	3.7075 ppm	0.0588 ppm	1,025.3614 ppm
Concentration per Run 2	0.0584 ppm	101.5814 ppm	0.1875 ppm	1.1475 ppm	3.7716 ppm	0.0593 ppm	1,034.3582 ppm
Concentration per Run 3	0.0574 ppm	101.3379 ppm	0.1974 ppm	1.1399 ppm	3.7582 ppm	0.0592 ppm	1,030.1779 ppm
Concentration RSD	1.5 %	0.4 %	2.8 %	0.3 %	0.9 %	0.4 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0443 ppm	0.4839 ppm	0.4632 ppm	0.6378 ppm	221.7202 ppm	20.0057 ppm	0.0951 ppm
Concentration per Run 1	0.0436 ppm	0.4826 ppm	0.4603 ppm	0.6356 ppm	221.1147 ppm	19.9034 ppm	0.0946 ppm
Concentration per Run 2	0.0449 ppm	0.4887 ppm	0.4655 ppm	0.6392 ppm	222.2543 ppm	20.1093 ppm	0.0952 ppm
Concentration per Run 3	0.0445 ppm	0.4804 ppm	0.4638 ppm	0.6386 ppm	221.7915 ppm	20.0045 ppm	0.0954 ppm
Concentration RSD	1.5 %	0.9 %	0.6 %	0.3 %	0.3 %	0.5 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	102.2492 ppm	16.0568 ppm	0.9539 ppm	13.9580 ppm	0.5882 ppm	1.3629 ppm	0.4509 ppm
Concentration per Run 1	101.8242 ppm	15.9875 ppm	0.9462 ppm	13.8688 ppm	0.5870 ppm	1.3548 ppm	0.4490 ppm
Concentration per Run 2	102.6973 ppm	16.1154 ppm	0.9598 ppm	13.9916 ppm	0.5868 ppm	1.3593 ppm	0.4463 ppm
Concentration per Run 3	102.2261 ppm	16.0676 ppm	0.9557 ppm	14.0135 ppm	0.5906 ppm	1.3746 ppm	0.4573 ppm
Concentration RSD	0.4 %	0.4 %	0.7 %	0.6 %	0.4 %	0.8 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1182 ppm	20.1141 [SIC 200]	0.9354 ppm	2.4996 ppm	4.0597 ppm	0.1264 ppm	0.6534 ppm
Concentration per Run 1	0.1190 ppm	19.9667 ppm	0.9342 ppm	2.4746 ppm	4.0214 ppm	0.1263 ppm	0.6496 ppm
Concentration per Run 2	0.1191 ppm	20.2526 ppm	0.9369 ppm	2.5163 ppm	4.0905 ppm	0.1248 ppm	0.6580 ppm
Concentration per Run 3	0.1164 ppm	20.1231 ppm	0.9351 ppm	2.5078 ppm	4.0671 ppm	0.1280 ppm	0.6527 ppm
Concentration RSD	1.3 %	0.7 %	0.1 %	0.9 %	0.9 %	1.3 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	2.3044 ppm	103.5362 %	104.8773 %	94.8786 %	124.0178 %	124.7553 %	117.5495 %
Concentration per Run 1	2.3024 ppm	103.5282 %	105.3572 %	95.5234 %	123.9735 %	125.0958 %	117.9929 %
Concentration per Run 2	2.3125 ppm	102.9332 %	104.2249 %	94.7400 %	122.9980 %	124.0031 %	117.6865 %
Concentration per Run 3	2.2984 ppm	104.1471 %	105.0497 %	94.3725 %	125.0818 %	125.1672 %	116.9692 %
Concentration RSD	0.3 %	0.6 %	0.6 %	0.6 %	0.8 %	0.5 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115354-6D10 WG2115354
 Analysis started at: 9/17/2025 11:49:39 AM
 Rack: 1
 Vial: 29
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	21.8932 ppm	0.0164 ppm	0.0437 ppm	0.4238 ppm	0.0026 ppm	243.8548 ppm
Concentration per Run 1	0.0001 ppm	22.1804 ppm	0.0143 ppm	0.0440 ppm	0.4312 ppm	0.0027 ppm	245.0756 ppm
Concentration per Run 2	0.0006 ppm	21.7498 ppm	0.0182 ppm	0.0449 ppm	0.4190 ppm	0.0027 ppm	242.5683 ppm
Concentration per Run 3	0.0007 ppm	21.7495 ppm	0.0168 ppm	0.0421 ppm	0.4212 ppm	0.0026 ppm	243.9205 ppm
Concentration RSD	71.1 %	1.1 %	12.1 %	3.4 %	1.5 %	2.5 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0011 ppm	0.0063 ppm	0.0640 ppm	0.0763 ppm	52.8836 ppm	2.1445 ppm	0.0220 ppm
Concentration per Run 1	-0.0011 ppm	0.0063 ppm	0.0645 ppm	0.0772 ppm	53.4211 ppm	2.1662 ppm	0.0214 ppm
Concentration per Run 2	-0.0011 ppm	0.0066 ppm	0.0629 ppm	0.0750 ppm	52.4205 ppm	2.1453 ppm	0.0227 ppm
Concentration per Run 3	-0.0010 ppm	0.0059 ppm	0.0646 ppm	0.0768 ppm	52.8091 ppm	2.1220 ppm	0.0218 ppm
Concentration RSD	8.5 %	5.3 %	1.5 %	1.5 %	1.0 %	1.0 %	3.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	21.1317 ppm	3.6666 ppm	0.0053 ppm	0.8483 ppm	0.0316 ppm	0.1859 ppm	0.0047 ppm
Concentration per Run 1	21.3236 ppm	3.7071 ppm	0.0056 ppm	0.8501 ppm	0.0323 ppm	0.1871 ppm	0.0052 ppm
Concentration per Run 2	21.0744 ppm	3.6408 ppm	0.0047 ppm	0.8443 ppm	0.0302 ppm	0.1849 ppm	0.0027 ppm
Concentration per Run 3	20.9972 ppm	3.6519 ppm	0.0055 ppm	0.8504 ppm	0.0323 ppm	0.1858 ppm	0.0061 ppm
Concentration RSD	0.8 %	1.0 %	9.4 %	0.4 %	3.8 %	0.6 %	37.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0013 ppm	4.2107 ppm	0.0107 ppm	0.3544 ppm	0.7046 ppm	0.0035 ppm	0.0373 ppm
Concentration per Run 1	0.0023 ppm	4.2395 ppm	0.0100 ppm	0.3605 ppm	0.7088 ppm	0.0037 ppm	0.0373 ppm
Concentration per Run 2	0.0014 ppm	4.2094 ppm	0.0120 ppm	0.3501 ppm	0.7039 ppm	0.0038 ppm	0.0372 ppm
Concentration per Run 3	0.0002 ppm	4.1833 ppm	0.0102 ppm	0.3527 ppm	0.7010 ppm	0.0029 ppm	0.0375 ppm
Concentration RSD	80.1 %	0.7 %	10.2 %	1.5 %	0.6 %	13.2 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4419 ppm	101.3134 %	103.8936 %	97.9557 %	105.4011 %	106.6190 %	103.2219 %
Concentration per Run 1	0.4448 ppm	100.9682 %	104.1928 %	97.7120 %	105.0938 %	107.5393 %	102.5719 %
Concentration per Run 2	0.4432 ppm	100.9707 %	103.9291 %	97.9731 %	104.8469 %	106.4584 %	103.4448 %
Concentration per Run 3	0.4377 ppm	102.0014 %	103.5588 %	98.1819 %	106.2625 %	105.8594 %	103.6490 %
Concentration RSD	0.8 %	0.6 %	0.3 %	0.2 %	0.7 %	0.8 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
Analysis started at: 9/17/2025 11:52:52 AM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5064 ppm	0.5344 ppm	0.5070 ppm	0.5162 ppm	0.5147 ppm	0.5297 ppm	0.5261 ppm
Concentration per Run 1	0.5075 ppm	0.5291 ppm	0.5078 ppm	0.5142 ppm	0.5109 ppm	0.5261 ppm	0.5224 ppm
Concentration per Run 2	0.5074 ppm	0.5389 ppm	0.5074 ppm	0.5190 ppm	0.5177 ppm	0.5335 ppm	0.5314 ppm
Concentration per Run 3	0.5044 ppm	0.5351 ppm	0.5059 ppm	0.5153 ppm	0.5156 ppm	0.5296 ppm	0.5245 ppm
Recovery Percentage 1	101.286 %	106.874 %	101.406 %	103.231 %	102.945 %	105.946 %	105.215 %
Concentration RSD	0.4 %	0.9 %	0.2 %	0.5 %	0.7 %	0.7 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5213 ppm	0.5258 ppm	0.5223 ppm	0.5164 ppm	0.5284 ppm	5.4174 ppm	0.5307 ppm
Concentration per Run 1	0.5233 ppm	0.5275 ppm	0.5207 ppm	0.5172 ppm	0.5244 ppm	5.3761 ppm	0.5304 ppm
Concentration per Run 2	0.5230 ppm	0.5273 ppm	0.5271 ppm	0.5165 ppm	0.5343 ppm	5.4778 ppm	0.5339 ppm
Concentration per Run 3	0.5176 ppm	0.5226 ppm	0.5190 ppm	0.5154 ppm	0.5265 ppm	5.3984 ppm	0.5278 ppm
Recovery Percentage 1	104.261 %	105.157 %	104.450 %	103.273 %	105.685 %	108.349 %	106.137 %
Concentration RSD	0.6 %	0.5 %	0.8 %	0.2 %	1.0 %	1.0 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5025 ppm	0.5232 ppm	0.5203 ppm	10.5014 ppm	0.5288 ppm	0.5194 ppm	0.5298 ppm
Concentration per Run 1	0.5034 ppm	0.5221 ppm	0.5239 ppm	10.5255 ppm	0.5280 ppm	0.5218 ppm	0.5298 ppm
Concentration per Run 2	0.5026 ppm	0.5249 ppm	0.5203 ppm	10.4787 ppm	0.5332 ppm	0.5194 ppm	0.5262 ppm
Concentration per Run 3	0.5014 ppm	0.5227 ppm	0.5167 ppm	10.5000 ppm	0.5253 ppm	0.5169 ppm	0.5334 ppm
Recovery Percentage 1	100.492 %	104.644 %	104.056 %	105.014 %	105.765 %	103.872 %	105.957 %
Concentration RSD	0.2 %	0.3 %	0.7 %	0.2 %	0.8 %	0.5 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.5085 ppm	5.5888 ppm	0.5175 ppm	0.5177 ppm	0.5134 ppm	0.5104 ppm	0.5243 ppm
Concentration per Run 1	0.5116 ppm	5.5909 ppm	0.5221 ppm	0.5131 ppm	0.5136 ppm	0.5083 ppm	0.5244 ppm
Concentration per Run 2	0.5073 ppm	5.6067 ppm	0.5209 ppm	0.5216 ppm	0.5157 ppm	0.5124 ppm	0.5270 ppm
Concentration per Run 3	0.5065 ppm	5.5690 ppm	0.5094 ppm	0.5186 ppm	0.5109 ppm	0.5106 ppm	0.5214 ppm
Recovery Percentage 1	101.697 %	106.454 %	103.497 %	103.549 %	102.678 %	102.089 %	104.855 %
Concentration RSD	0.5 %	0.3 %	1.4 %	0.8 %	0.5 %	0.4 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5303 ppm	101.2525 %	104.2302 %	101.2858 %	101.8160 %	101.9879 %	100.9704 %
Concentration per Run 1	0.5291 ppm	101.1584 %	104.9941 %	100.2460 %	101.5753 %	102.6548 %	100.3683 %
Concentration per Run 2	0.5350 ppm	100.3927 %	103.3062 %	101.9256 %	101.4108 %	101.1067 %	101.1010 %
Concentration per Run 3	0.5268 ppm	102.2066 %	104.3904 %	101.6860 %	102.4619 %	102.2021 %	101.4418 %
Recovery Percentage 1	106.060 %						
Concentration RSD	0.8 %	0.9 %	0.8 %	0.9 %	0.6 %	0.8 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 11:56:07 AM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0017 ppm	0.0286 ppm	0.0018 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0015 ppm
Concentration per Run 1	0.0012 ppm	0.0299 ppm	0.0037 ppm	0.0019 ppm	0.0001 ppm	0.0001 ppm	0.0039 ppm
Concentration per Run 2	0.0019 ppm	0.0287 ppm	0.0007 ppm	-0.0027 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run 3	0.0019 ppm	0.0272 ppm	0.0009 ppm	0.0005 ppm	0.0003 ppm	0.0001 ppm	0.0010 ppm
Recovery Percentage 1	23.773 %	28.564 %	35.453 %	-0.254 %	1.830 %	2.097 %	1.523 %
Concentration RSD	22.4 %	4.7 %	95.8 %	3,138.2 %	43.8 %	38.2 %	141.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0005 ppm	-0.0004 ppm	0.0004 ppm	0.0033 ppm	0.0658 ppm	0.0011 ppm
Concentration per Run 1	0.0000 ppm	-0.0012 ppm	0.0007 ppm	-0.0007 ppm	0.0027 ppm	0.0700 ppm	0.0013 ppm
Concentration per Run 2	-0.0003 ppm	0.0004 ppm	-0.0011 ppm	0.0011 ppm	0.0030 ppm	0.0589 ppm	0.0008 ppm
Concentration per Run 3	-0.0002 ppm	-0.0008 ppm	-0.0010 ppm	0.0007 ppm	0.0044 ppm	0.0685 ppm	0.0013 ppm
Recovery Percentage 1	-3.014 %	-2.658 %	-4.335 %	3.598 %	6.697 %	2.631 %	22.771 %
Concentration RSD	131.4 %	152.5 %	231.3 %	262.3 %	27.9 %	9.1 %	23.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0054 ppm	0.0000 ppm	0.0019 ppm	-0.0030 ppm	0.0024 ppm	-0.0024 ppm	0.0027 ppm
Concentration per Run 1	-0.0050 ppm	-0.0002 ppm	0.0005 ppm	-0.0069 ppm	0.0025 ppm	-0.0023 ppm	0.0056 ppm
Concentration per Run 2	-0.0044 ppm	0.0000 ppm	0.0027 ppm	-0.0034 ppm	0.0004 ppm	-0.0038 ppm	-0.0014 ppm
Concentration per Run 3	-0.0069 ppm	0.0002 ppm	0.0024 ppm	0.0011 ppm	0.0042 ppm	-0.0010 ppm	0.0040 ppm
Recovery Percentage 1	-5.447 %	-0.001 %	3.722 %	-0.152 %	9.485 %	-23.566 %	5.452 %
Concentration RSD	24.1 %	362,645.6 %	65.3 %	132.0 %	79.6 %	61.4 %	135.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0018 ppm	-0.0020 ppm	-0.0012 ppm	0.0001 ppm	-0.0010 ppm	0.0070 ppm	-0.0008 ppm
Concentration per Run 1	-0.0058 ppm	-0.0014 ppm	0.0009 ppm	0.0000 ppm	-0.0011 ppm	0.0090 ppm	-0.0005 ppm
Concentration per Run 2	0.0012 ppm	-0.0043 ppm	-0.0030 ppm	0.0002 ppm	-0.0010 ppm	0.0030 ppm	-0.0009 ppm
Concentration per Run 3	-0.0009 ppm	-0.0004 ppm	-0.0015 ppm	0.0001 ppm	-0.0011 ppm	0.0090 ppm	-0.0009 ppm
Recovery Percentage 1	-18.070 %	-0.406 %	-2.392 %	0.741 %	-10.441 %	34.896 %	-7.618 %
Concentration RSD	198.7 %	98.1 %	162.4 %	131.4 %	5.0 %	49.7 %	35.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	99.1492 %	103.3698 %	98.8839 %	100.5710 %	103.0795 %	99.9363 %
Concentration per Run 1	-0.0001 ppm	98.4619 %	102.4348 %	98.2157 %	100.5178 %	102.2981 %	99.7261 %
Concentration per Run 2	0.0005 ppm	99.1660 %	104.2251 %	99.4494 %	100.6329 %	103.8045 %	100.2785 %
Concentration per Run 3	-0.0001 ppm	99.8196 %	103.4493 %	98.9867 %	100.5624 %	103.1360 %	99.8043 %
Recovery Percentage 1	2.457 %						
Concentration RSD	301.6 %	0.7 %	0.9 %	0.6 %	0.1 %	0.7 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115410-1 WG2115410
 Analysis started at: 9/17/2025 12:03:04 PM
 Rack: 1
 Vial: 33
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	0.0237 ppm	0.0002 ppm	0.0014 ppm	0.0001 ppm	0.0001 ppm	0.0014 ppm
Concentration per Run 1	0.0013 ppm	0.0273 ppm	0.0011 ppm	0.0040 ppm	0.0001 ppm	0.0001 ppm	0.0039 ppm
Concentration per Run 2	-0.0009 ppm	0.0226 ppm	0.0002 ppm	-0.0003 ppm	0.0000 ppm	0.0001 ppm	-0.0037 ppm
Concentration per Run 3	0.0013 ppm	0.0213 ppm	-0.0007 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0041 ppm
Recovery Percentage 1	8.123 %	23.709 %	4.427 %	4.616 %	0.749 %	1.905 %	1.421 %
Concentration RSD	219.5 %	13.3 %	395.9 %	165.5 %	61.7 %	3.4 %	311.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	-0.0013 ppm	-0.0005 ppm	0.0001 ppm	0.0018 ppm	0.0482 ppm	0.0000 ppm
Concentration per Run 1	-0.0003 ppm	-0.0018 ppm	-0.0012 ppm	0.0009 ppm	0.0014 ppm	0.0626 ppm	0.0011 ppm
Concentration per Run 2	-0.0004 ppm	-0.0017 ppm	0.0002 ppm	0.0006 ppm	0.0027 ppm	0.0462 ppm	-0.0012 ppm
Concentration per Run 3	-0.0003 ppm	-0.0005 ppm	-0.0005 ppm	-0.0013 ppm	0.0013 ppm	0.0359 ppm	0.0000 ppm
Recovery Percentage 1	-6.217 %	-6.703 %	-5.192 %	0.538 %	3.600 %	1.929 %	-0.629 %
Concentration RSD	15.3 %	54.7 %	140.5 %	2,264.7 %	44.8 %	27.9 %	3,781.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0063 ppm	0.0003 ppm	0.0001 ppm	0.0013 ppm	0.0002 ppm	-0.0052 ppm	-0.0043 ppm
Concentration per Run 1	-0.0053 ppm	0.0004 ppm	0.0002 ppm	0.0051 ppm	-0.0004 ppm	-0.0030 ppm	-0.0056 ppm
Concentration per Run 2	-0.0093 ppm	0.0002 ppm	0.0003 ppm	-0.0022 ppm	0.0004 ppm	-0.0092 ppm	-0.0016 ppm
Concentration per Run 3	-0.0042 ppm	0.0002 ppm	-0.0002 ppm	0.0009 ppm	0.0005 ppm	-0.0033 ppm	-0.0056 ppm
Recovery Percentage 1	-6.289 %	2.824 %	0.231 %	0.064 %	0.768 %	-51.764 %	-8.537 %
Concentration RSD	42.6 %	34.1 %	220.2 %	286.0 %	255.3 %	67.7 %	54.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0048 ppm	-0.0016 ppm	-0.0010 ppm	-0.0001 ppm	-0.0012 ppm	0.0046 ppm	-0.0011 ppm
Concentration per Run 1	-0.0035 ppm	0.0003 ppm	-0.0004 ppm	0.0000 ppm	-0.0007 ppm	0.0083 ppm	-0.0012 ppm
Concentration per Run 2	-0.0048 ppm	-0.0038 ppm	-0.0024 ppm	0.0000 ppm	-0.0012 ppm	-0.0006 ppm	-0.0015 ppm
Concentration per Run 3	-0.0060 ppm	-0.0013 ppm	-0.0002 ppm	-0.0001 ppm	-0.0017 ppm	0.0062 ppm	-0.0005 ppm
Recovery Percentage 1	-47.791 %	-0.320 %	-1.973 %	-0.508 %	-12.001 %	23.126 %	-10.514 %
Concentration RSD	25.8 %	131.8 %	127.6 %	111.3 %	40.5 %	101.1 %	47.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	103.6401 %	106.3492 %	102.3652 %	104.4190 %	105.4208 %	102.8851 %
Concentration per Run 1	0.0000 ppm	103.7126 %	107.2290 %	102.4444 %	105.0580 %	106.0864 %	103.0496 %
Concentration per Run 2	0.0003 ppm	104.3179 %	106.0360 %	102.9393 %	104.1630 %	104.7620 %	103.5540 %
Concentration per Run 3	0.0002 ppm	102.8897 %	105.7825 %	101.7118 %	104.0361 %	105.4138 %	102.0516 %
Recovery Percentage 1	3.439 %						
Concentration RSD	95.4 %	0.7 %	0.7 %	0.6 %	0.5 %	0.6 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115410-2 WG2115410
 Analysis started at: 9/17/2025 12:06:24 PM
 Rack: 1
 Vial: 34
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0525 ppm	2.0923 ppm	0.1244 ppm	1.0045 ppm	2.0116 ppm	0.0512 ppm	10.3330 ppm
Concentration per Run 1	0.0516 ppm	2.0928 ppm	0.1204 ppm	1.0002 ppm	2.0161 ppm	0.0514 ppm	10.3124 ppm
Concentration per Run 2	0.0528 ppm	2.0992 ppm	0.1238 ppm	1.0122 ppm	2.0256 ppm	0.0513 ppm	10.4135 ppm
Concentration per Run 3	0.0530 ppm	2.0850 ppm	0.1289 ppm	1.0012 ppm	1.9931 ppm	0.0509 ppm	10.2730 ppm
Concentration RSD	1.4 %	0.3 %	3.4 %	0.7 %	0.8 %	0.5 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0530 ppm	0.4933 ppm	0.1977 ppm	0.2422 ppm	1.0125 ppm	10.5142 ppm	0.0002 ppm
Concentration per Run 1	0.0532 ppm	0.4931 ppm	0.1979 ppm	0.2424 ppm	1.0178 ppm	10.5520 ppm	-0.0003 ppm
Concentration per Run 2	0.0533 ppm	0.4988 ppm	0.1981 ppm	0.2440 ppm	1.0171 ppm	10.5868 ppm	0.0009 ppm
Concentration per Run 3	0.0523 ppm	0.4882 ppm	0.1971 ppm	0.2403 ppm	1.0025 ppm	10.4038 ppm	0.0001 ppm
Concentration RSD	1.0 %	1.1 %	0.3 %	0.8 %	0.9 %	0.9 %	272.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.8784 ppm	0.5032 ppm	0.9931 ppm	10.4470 ppm	0.5039 ppm	0.5319 ppm	0.3650 ppm
Concentration per Run 1	9.8548 ppm	0.5054 ppm	0.9896 ppm	10.4791 ppm	0.5008 ppm	0.5353 ppm	0.3591 ppm
Concentration per Run 2	9.9601 ppm	0.5041 ppm	1.0033 ppm	10.5015 ppm	0.5058 ppm	0.5335 ppm	0.3684 ppm
Concentration per Run 3	9.8204 ppm	0.5000 ppm	0.9864 ppm	10.3603 ppm	0.5050 ppm	0.5271 ppm	0.3675 ppm
Concentration RSD	0.7 %	0.6 %	0.9 %	0.7 %	0.5 %	0.8 %	1.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1179 ppm	0.9111 ppm	0.9540 ppm	0.9945 ppm	0.9897 ppm	0.1213 ppm	0.5103 ppm
Concentration per Run 1	0.1190 ppm	0.9144 ppm	0.9469 ppm	0.9992 ppm	0.9865 ppm	0.1223 ppm	0.5087 ppm
Concentration per Run 2	0.1169 ppm	0.9174 ppm	0.9589 ppm	0.9994 ppm	0.9964 ppm	0.1215 ppm	0.5153 ppm
Concentration per Run 3	0.1180 ppm	0.9016 ppm	0.9563 ppm	0.9849 ppm	0.9862 ppm	0.1200 ppm	0.5070 ppm
Concentration RSD	0.9 %	0.9 %	0.7 %	0.8 %	0.6 %	0.9 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5135 ppm	104.5738 %	106.7496 %	103.0073 %	104.6100 %	105.2037 %	102.4872 %
Concentration per Run 1	0.5101 ppm	105.0950 %	106.4826 %	102.9648 %	105.0964 %	104.9141 %	102.5147 %
Concentration per Run 2	0.5189 ppm	104.4059 %	105.8680 %	102.9965 %	104.6763 %	104.4984 %	102.6367 %
Concentration per Run 3	0.5114 ppm	104.2204 %	107.8983 %	103.0607 %	104.0575 %	106.1985 %	102.3102 %
Concentration RSD	0.9 %	0.4 %	1.0 %	0.0 %	0.5 %	0.8 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: LDR 400 Fe pass
 Analysis started at: 9/17/2025 12:09:39 PM
 Rack: 1
 Vial: 42
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0011 ppm	0.0300 ppm	0.0011 ppm	0.0033 ppm	0.0005 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run 1	-0.0012 ppm	0.0319 ppm	0.0001 ppm	0.0044 ppm	0.0006 ppm	0.0001 ppm	0.0029 ppm
Concentration per Run 2	-0.0005 ppm	0.0283 ppm	0.0024 ppm	0.0035 ppm	0.0006 ppm	0.0001 ppm	0.0039 ppm
Concentration per Run 3	-0.0017 ppm	0.0298 ppm	0.0009 ppm	0.0021 ppm	0.0004 ppm	0.0000 ppm	-0.0040 ppm
Concentration RSD	57.0 %	6.1 %	105.3 %	34.8 %	26.5 %	21.9 %	459.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0020 ppm	-0.0051 ppm	-0.0004 ppm	0.0068 ppm	380.3071 ppm	0.0155 ppm	0.0005 ppm
Concentration per Run 1	-0.0019 ppm	-0.0056 ppm	-0.0001 ppm	0.0074 ppm	376.8230 ppm	0.0014 ppm	0.0007 ppm
Concentration per Run 2	-0.0023 ppm	-0.0042 ppm	0.0001 ppm	0.0077 ppm	381.9890 ppm	0.0139 ppm	-0.0010 ppm
Concentration per Run 3	-0.0020 ppm	-0.0056 ppm	-0.0012 ppm	0.0052 ppm	382.1092 ppm	0.0313 ppm	0.0016 ppm
Concentration RSD	9.4 %	16.0 %	176.2 %	19.6 %	0.8 %	96.5 %	283.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0418 ppm	-0.0027 ppm	0.0018 ppm	0.0031 ppm	-0.0007 ppm	-0.0130 ppm	0.0000 ppm
Concentration per Run 1	0.0432 ppm	-0.0025 ppm	0.0034 ppm	0.0042 ppm	-0.0043 ppm	-0.0093 ppm	-0.0034 ppm
Concentration per Run 2	0.0381 ppm	-0.0028 ppm	0.0005 ppm	-0.0006 ppm	0.0020 ppm	-0.0160 ppm	-0.0008 ppm
Concentration per Run 3	0.0442 ppm	-0.0027 ppm	0.0015 ppm	0.0058 ppm	0.0003 ppm	-0.0138 ppm	0.0041 ppm
Concentration RSD	7.8 %	7.4 %	79.6 %	107.4 %	486.8 %	26.2 %	16,304.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0050 ppm	-0.0091 ppm	0.0130 ppm	0.0003 ppm	-0.0014 ppm	0.0038 ppm	-0.0032 ppm
Concentration per Run 1	-0.0054 ppm	-0.0111 ppm	0.0137 ppm	0.0004 ppm	-0.0016 ppm	0.0043 ppm	-0.0027 ppm
Concentration per Run 2	-0.0020 ppm	-0.0086 ppm	0.0125 ppm	0.0003 ppm	-0.0019 ppm	0.0048 ppm	-0.0041 ppm
Concentration per Run 3	-0.0077 ppm	-0.0077 ppm	0.0128 ppm	0.0002 ppm	-0.0007 ppm	0.0024 ppm	-0.0028 ppm
Concentration RSD	57.1 %	19.6 %	5.0 %	24.1 %	43.6 %	33.4 %	23.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	101.9503 %	103.4494 %	99.2301 %	102.1130 %	102.3314 %	100.9265 %
Concentration per Run 1	-0.0001 ppm	102.5503 %	104.5136 %	99.4748 %	103.1962 %	103.2674 %	101.3181 %
Concentration per Run 2	0.0000 ppm	100.3946 %	102.9752 %	98.6210 %	100.5030 %	102.1362 %	99.9813 %
Concentration per Run 3	-0.0001 ppm	102.9058 %	102.8594 %	99.5943 %	102.6400 %	101.5907 %	101.4800 %
Concentration RSD	45.9 %	1.3 %	0.9 %	0.5 %	1.4 %	0.8 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: LDR 1100 Ca pass
 Analysis started at: 9/17/2025 12:12:53 PM
 Rack: 1
 Vial: 43
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	0.0689 ppm	0.0011 ppm	0.0016 ppm	0.0027 ppm	0.0000 ppm	1,055.0354 ppm
Concentration per Run 1	0.0005 ppm	0.0654 ppm	0.0014 ppm	-0.0010 ppm	0.0025 ppm	0.0000 ppm	1,049.6163 ppm
Concentration per Run 2	0.0002 ppm	0.0793 ppm	0.0025 ppm	0.0021 ppm	0.0029 ppm	0.0000 ppm	1,057.6347 ppm
Concentration per Run 3	0.0002 ppm	0.0619 ppm	-0.0006 ppm	0.0038 ppm	0.0028 ppm	0.0000 ppm	1,057.8551 ppm
Concentration RSD	63.6 %	13.3 %	143.7 %	148.7 %	6.3 %	83.3 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0034 ppm	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0270 ppm	0.0607 ppm	-0.0043 ppm
Concentration per Run 1	0.0036 ppm	-0.0009 ppm	-0.0003 ppm	0.0015 ppm	0.0305 ppm	0.0759 ppm	-0.0021 ppm
Concentration per Run 2	0.0033 ppm	-0.0004 ppm	0.0005 ppm	0.0005 ppm	0.0267 ppm	0.0585 ppm	-0.0053 ppm
Concentration per Run 3	0.0034 ppm	0.0014 ppm	0.0005 ppm	0.0002 ppm	0.0238 ppm	0.0478 ppm	-0.0054 ppm
Concentration RSD	4.0 %	2,739.8 %	203.3 %	90.6 %	12.5 %	23.3 %	43.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0086 ppm	0.0004 ppm	0.0013 ppm	0.0122 ppm	0.0001 ppm	-0.0011 ppm	0.0056 ppm
Concentration per Run 1	-0.0082 ppm	0.0005 ppm	-0.0011 ppm	0.0155 ppm	0.0006 ppm	-0.0014 ppm	0.0027 ppm
Concentration per Run 2	-0.0119 ppm	0.0004 ppm	0.0024 ppm	0.0139 ppm	-0.0016 ppm	0.0005 ppm	0.0073 ppm
Concentration per Run 3	-0.0058 ppm	0.0003 ppm	0.0026 ppm	0.0072 ppm	0.0012 ppm	-0.0025 ppm	0.0067 ppm
Concentration RSD	35.5 %	18.6 %	158.9 %	35.9 %	2,568.5 %	134.2 %	44.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0036 ppm	0.0000 ppm	0.0042 ppm	-0.0040 ppm	-0.0028 ppm	0.0075 ppm	-0.0006 ppm
Concentration per Run 1	-0.0075 ppm	0.0017 ppm	0.0026 ppm	-0.0039 ppm	-0.0038 ppm	0.0104 ppm	-0.0007 ppm
Concentration per Run 2	-0.0039 ppm	0.0007 ppm	0.0044 ppm	-0.0041 ppm	-0.0027 ppm	0.0091 ppm	-0.0005 ppm
Concentration per Run 3	0.0006 ppm	-0.0024 ppm	0.0056 ppm	-0.0040 ppm	-0.0020 ppm	0.0029 ppm	-0.0005 ppm
Concentration RSD	112.7 %	12,219.0 %	36.2 %	2.0 %	31.5 %	53.7 %	23.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0034 ppm	101.8866 %	99.7507 %	97.9722 %	102.4673 %	99.2607 %	98.8349 %
Concentration per Run 1	-0.0038 ppm	102.2530 %	100.0916 %	97.7563 %	103.2277 %	99.5053 %	98.9897 %
Concentration per Run 2	-0.0033 ppm	101.3095 %	99.5764 %	98.2813 %	102.5346 %	99.3805 %	99.6367 %
Concentration per Run 3	-0.0032 ppm	102.0974 %	99.5840 %	97.8790 %	101.6396 %	98.8964 %	97.8784 %
Concentration RSD	9.0 %	0.5 %	0.3 %	0.3 %	0.8 %	0.3 %	0.9 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2558038-01 WG2115410
 Analysis started at: 9/17/2025 12:17:53 PM
 Rack: 1
 Vial: 40
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	0.0657 ppm	0.0032 ppm	0.0498 ppm	0.0218 ppm	0.0000 ppm	34.0058 ppm
Concentration per Run 1	0.0006 ppm	0.0736 ppm	0.0034 ppm	0.0499 ppm	0.0216 ppm	0.0000 ppm	33.9039 ppm
Concentration per Run 2	0.0017 ppm	0.0646 ppm	0.0028 ppm	0.0486 ppm	0.0219 ppm	0.0000 ppm	34.1339 ppm
Concentration per Run 3	0.0000 ppm	0.0589 ppm	0.0036 ppm	0.0507 ppm	0.0219 ppm	0.0001 ppm	33.9797 ppm
Concentration RSD	113.6 %	11.3 %	13.0 %	2.1 %	0.9 %	103.9 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	-0.0011 ppm	0.0023 ppm	0.0036 ppm	0.0784 ppm	1.5796 ppm	0.0018 ppm
Concentration per Run 1	-0.0004 ppm	-0.0009 ppm	0.0014 ppm	0.0029 ppm	0.0800 ppm	1.5786 ppm	0.0019 ppm
Concentration per Run 2	-0.0001 ppm	-0.0015 ppm	0.0018 ppm	0.0043 ppm	0.0778 ppm	1.5923 ppm	0.0009 ppm
Concentration per Run 3	-0.0003 ppm	-0.0008 ppm	0.0035 ppm	0.0036 ppm	0.0773 ppm	1.5678 ppm	0.0027 ppm
Concentration RSD	61.8 %	33.2 %	49.2 %	18.3 %	1.9 %	0.8 %	51.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	8.9258 ppm	0.0041 ppm	0.0014 ppm	10.7018 ppm	0.0011 ppm	-0.0014 ppm	-0.0014 ppm
Concentration per Run 1	8.8351 ppm	0.0038 ppm	0.0011 ppm	10.6153 ppm	0.0007 ppm	-0.0033 ppm	-0.0016 ppm
Concentration per Run 2	8.9798 ppm	0.0042 ppm	0.0012 ppm	10.8033 ppm	0.0015 ppm	-0.0016 ppm	0.0052 ppm
Concentration per Run 3	8.9626 ppm	0.0042 ppm	0.0021 ppm	10.6868 ppm	0.0012 ppm	0.0006 ppm	-0.0079 ppm
Concentration RSD	0.9 %	5.5 %	38.6 %	0.9 %	32.0 %	137.2 %	470.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0021 ppm	0.2545 ppm	0.0013 ppm	0.1601 ppm	-0.0017 ppm	0.0012 ppm	-0.0014 ppm
Concentration per Run 1	-0.0023 ppm	0.2545 ppm	0.0018 ppm	0.1595 ppm	-0.0019 ppm	-0.0031 ppm	-0.0014 ppm
Concentration per Run 2	-0.0021 ppm	0.2550 ppm	0.0023 ppm	0.1614 ppm	-0.0027 ppm	0.0034 ppm	-0.0012 ppm
Concentration per Run 3	-0.0021 ppm	0.2541 ppm	-0.0003 ppm	0.1595 ppm	-0.0004 ppm	0.0032 ppm	-0.0015 ppm
Concentration RSD	4.8 %	0.2 %	111.8 %	0.7 %	69.8 %	313.3 %	12.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	101.7004 %	104.8105 %	99.6814 %	101.2421 %	103.5076 %	99.4233 %
Concentration per Run 1	0.0006 ppm	103.1723 %	104.6734 %	98.7056 %	102.2633 %	103.2981 %	98.4770 %
Concentration per Run 2	0.0005 ppm	101.0110 %	104.3764 %	99.7822 %	100.3424 %	103.2780 %	99.9886 %
Concentration per Run 3	0.0003 ppm	100.9177 %	105.3817 %	100.5564 %	101.1205 %	103.9465 %	99.8044 %
Concentration RSD	41.3 %	1.3 %	0.5 %	0.9 %	1.0 %	0.4 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2558089-01 WG2115410
 Analysis started at: 9/17/2025 12:21:12 PM
 Rack: 1
 Vial: 35
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	0.1015 ppm	0.0096 ppm	1.5703 ppm	0.1081 ppm	0.0001 ppm	188.9413 ppm
Concentration per Run 1	0.0010 ppm	0.1022 ppm	0.0126 ppm	1.5747 ppm	0.1073 ppm	0.0000 ppm	188.7399 ppm
Concentration per Run 2	0.0011 ppm	0.0958 ppm	0.0072 ppm	1.5614 ppm	0.1088 ppm	0.0001 ppm	189.4427 ppm
Concentration per Run 3	0.0008 ppm	0.1065 ppm	0.0092 ppm	1.5749 ppm	0.1083 ppm	0.0001 ppm	188.6412 ppm
Concentration RSD	15.6 %	5.3 %	28.3 %	0.5 %	0.7 %	56.2 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0011 ppm	0.0014 ppm	0.0009 ppm	0.0010 ppm	0.4225 ppm	97.0089 ppm	0.0450 ppm
Concentration per Run 1	-0.0010 ppm	0.0010 ppm	0.0006 ppm	0.0006 ppm	0.4189 ppm	95.8812 ppm	0.0445 ppm
Concentration per Run 2	-0.0013 ppm	0.0016 ppm	0.0018 ppm	0.0021 ppm	0.4237 ppm	97.6610 ppm	0.0456 ppm
Concentration per Run 3	-0.0009 ppm	0.0016 ppm	0.0005 ppm	0.0004 ppm	0.4250 ppm	97.4846 ppm	0.0447 ppm
Concentration RSD	17.8 %	25.0 %	78.7 %	91.3 %	0.8 %	1.0 %	1.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	221.5666 ppm	1.7517 ppm	0.0055 ppm	1,601.9463 [SIC 500]	0.0011 ppm	-0.0015 ppm	-0.0036 ppm
Concentration per Run 1	221.4061 ppm	1.7469 ppm	0.0058 ppm	1,588.2238 ppm	0.0007 ppm	-0.0047 ppm	-0.0092 ppm
Concentration per Run 2	220.3982 ppm	1.7606 ppm	0.0051 ppm	1,612.1530 ppm	0.0009 ppm	-0.0010 ppm	0.0014 ppm
Concentration per Run 3	222.8955 ppm	1.7478 ppm	0.0057 ppm	1,605.4621 ppm	0.0017 ppm	0.0013 ppm	-0.0030 ppm
Concentration RSD	0.6 %	0.4 %	6.1 %	0.8 %	49.2 %	206.5 %	147.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0014 ppm	12.9505 ppm	0.0020 ppm	2.3265 ppm	0.0040 ppm	0.0051 ppm	0.0049 ppm
Concentration per Run 1	-0.0019 ppm	12.9101 ppm	0.0019 ppm	2.3108 ppm	0.0042 ppm	0.0050 ppm	0.0049 ppm
Concentration per Run 2	-0.0045 ppm	12.8702 ppm	0.0004 ppm	2.3449 ppm	0.0037 ppm	0.0042 ppm	0.0054 ppm
Concentration per Run 3	0.0022 ppm	13.0713 ppm	0.0036 ppm	2.3236 ppm	0.0042 ppm	0.0061 ppm	0.0046 ppm
Concentration RSD	238.2 %	0.8 %	79.1 %	0.7 %	7.8 %	18.8 %	8.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0463 ppm	105.3980 %	98.6190 %	98.7362 %	105.2392 %	96.2123 %	99.0243 %
Concentration per Run 1	-0.0466 ppm	105.1806 %	99.2364 %	98.3002 %	105.6350 %	97.0877 %	98.7818 %
Concentration per Run 2	-0.0460 ppm	105.0603 %	97.6174 %	98.9194 %	103.9471 %	95.7154 %	99.1496 %
Concentration per Run 3	-0.0464 ppm	105.9532 %	99.0031 %	98.9890 %	106.1356 %	95.8339 %	99.1415 %
Concentration RSD	0.6 %	0.5 %	0.9 %	0.4 %	1.1 %	0.8 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115410-7 WG2115410
 Analysis started at: 9/17/2025 12:24:27 PM
 Rack: 1
 Vial: 36
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0566 ppm	2.2018 ppm	0.1306 ppm	2.5428 ppm	2.1108 ppm	0.0507 ppm	196.2228 ppm
Concentration per Run 1	0.0571 ppm	2.1889 ppm	0.1284 ppm	2.5185 ppm	2.1179 ppm	0.0509 ppm	196.3290 ppm
Concentration per Run 2	0.0564 ppm	2.2042 ppm	0.1308 ppm	2.5350 ppm	2.0959 ppm	0.0503 ppm	195.0346 ppm
Concentration per Run 3	0.0562 ppm	2.2123 ppm	0.1326 ppm	2.5747 ppm	2.1188 ppm	0.0508 ppm	197.3048 ppm
Concentration RSD	0.8 %	0.5 %	1.6 %	1.1 %	0.6 %	0.6 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0479 ppm	0.4869 ppm	0.1930 ppm	0.2958 ppm	1.4131 ppm	107.1316 ppm	0.0461 ppm
Concentration per Run 1	0.0482 ppm	0.4832 ppm	0.1927 ppm	0.2948 ppm	1.4242 ppm	107.3586 ppm	0.0479 ppm
Concentration per Run 2	0.0473 ppm	0.4886 ppm	0.1935 ppm	0.2942 ppm	1.4037 ppm	106.1461 ppm	0.0444 ppm
Concentration per Run 3	0.0482 ppm	0.4889 ppm	0.1928 ppm	0.2983 ppm	1.4115 ppm	107.8900 ppm	0.0460 ppm
Concentration RSD	1.1 %	0.7 %	0.2 %	0.8 %	0.7 %	0.8 %	3.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	228.0143 ppm	2.2194 ppm	0.9743 ppm	1,577.5031 [SIC 500]	0.4869 ppm	0.5331 ppm	0.5170 ppm
Concentration per Run 1	226.5799 ppm	2.2373 ppm	0.9675 ppm	1,573.5855 ppm	0.4823 ppm	0.5321 ppm	0.5143 ppm
Concentration per Run 2	227.8320 ppm	2.1903 ppm	0.9704 ppm	1,568.7726 ppm	0.4859 ppm	0.5359 ppm	0.5128 ppm
Concentration per Run 3	229.6311 ppm	2.2305 ppm	0.9851 ppm	1,590.1512 ppm	0.4923 ppm	0.5313 ppm	0.5239 ppm
Concentration RSD	0.7 %	1.1 %	1.0 %	0.7 %	1.0 %	0.5 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1185 ppm	13.7555 ppm	0.9349 ppm	3.2929 ppm	0.9885 ppm	0.1325 ppm	0.5148 ppm
Concentration per Run 1	0.1184 ppm	13.6796 ppm	0.9300 ppm	3.2922 ppm	0.9784 ppm	0.1330 ppm	0.5128 ppm
Concentration per Run 2	0.1139 ppm	13.7004 ppm	0.9307 ppm	3.2759 ppm	0.9892 ppm	0.1326 ppm	0.5135 ppm
Concentration per Run 3	0.1231 ppm	13.8864 ppm	0.9440 ppm	3.3105 ppm	0.9980 ppm	0.1320 ppm	0.5181 ppm
Concentration RSD	3.9 %	0.8 %	0.8 %	0.5 %	1.0 %	0.4 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4122 ppm	105.6134 %	100.0319 %	99.7517 %	105.7089 %	97.4271 %	99.6233 %
Concentration per Run 1	0.4080 ppm	106.2413 %	99.9527 %	99.8651 %	106.5843 %	96.7372 %	99.8873 %
Concentration per Run 2	0.4122 ppm	105.5278 %	100.8859 %	99.5232 %	105.1722 %	98.5220 %	99.1969 %
Concentration per Run 3	0.4162 ppm	105.0711 %	99.2571 %	99.8667 %	105.3703 %	97.0221 %	99.7857 %
Concentration RSD	1.0 %	0.6 %	0.8 %	0.2 %	0.7 %	1.0 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115410-8 WG2115410
 Analysis started at: 9/17/2025 12:27:42 PM
 Rack: 1
 Vial: 37
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	0.1002 ppm	0.0110 ppm	1.5492 ppm	0.1081 ppm	0.0001 ppm	186.5513 ppm
Concentration per Run 1	0.0008 ppm	0.0888 ppm	0.0104 ppm	1.5525 ppm	0.1084 ppm	0.0001 ppm	186.6812 ppm
Concentration per Run 2	0.0004 ppm	0.0998 ppm	0.0101 ppm	1.5467 ppm	0.1076 ppm	0.0001 ppm	185.8619 ppm
Concentration per Run 3	0.0011 ppm	0.1122 ppm	0.0124 ppm	1.5484 ppm	0.1084 ppm	0.0001 ppm	187.1107 ppm
Concentration RSD	46.4 %	11.7 %	11.2 %	0.2 %	0.4 %	10.8 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0012 ppm	0.0007 ppm	-0.0007 ppm	0.0013 ppm	0.4315 ppm	96.4173 ppm	0.0451 ppm
Concentration per Run 1	-0.0012 ppm	0.0008 ppm	-0.0001 ppm	0.0020 ppm	0.4323 ppm	96.2544 ppm	0.0451 ppm
Concentration per Run 2	-0.0011 ppm	0.0005 ppm	-0.0005 ppm	0.0014 ppm	0.4294 ppm	96.1869 ppm	0.0451 ppm
Concentration per Run 3	-0.0012 ppm	0.0007 ppm	-0.0014 ppm	0.0005 ppm	0.4327 ppm	96.8107 ppm	0.0450 ppm
Concentration RSD	6.8 %	18.6 %	96.6 %	56.1 %	0.4 %	0.4 %	0.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	217.0069 ppm	1.7311 ppm	0.0097 ppm	1,540.6251 [SIC 500]	0.0025 ppm	-0.0037 ppm	-0.0003 ppm
Concentration per Run 1	216.7040 ppm	1.7224 ppm	0.0107 ppm	1,548.2396 ppm	0.0027 ppm	-0.0020 ppm	0.0050 ppm
Concentration per Run 2	218.2062 ppm	1.7309 ppm	0.0096 ppm	1,534.4845 ppm	0.0015 ppm	-0.0037 ppm	0.0003 ppm
Concentration per Run 3	216.1106 ppm	1.7401 ppm	0.0088 ppm	1,539.1513 ppm	0.0032 ppm	-0.0053 ppm	-0.0063 ppm
Concentration RSD	0.5 %	0.5 %	9.8 %	0.5 %	35.4 %	44.9 %	1,631.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0018 ppm	12.7361 ppm	0.0071 ppm	2.3238 ppm	0.0050 ppm	0.0033 ppm	0.0046 ppm
Concentration per Run 1	0.0012 ppm	12.7340 ppm	0.0064 ppm	2.3295 ppm	0.0048 ppm	0.0018 ppm	0.0047 ppm
Concentration per Run 2	-0.0036 ppm	12.8272 ppm	0.0080 ppm	2.3122 ppm	0.0049 ppm	0.0054 ppm	0.0045 ppm
Concentration per Run 3	-0.0028 ppm	12.6472 ppm	0.0070 ppm	2.3297 ppm	0.0055 ppm	0.0028 ppm	0.0046 ppm
Concentration RSD	148.7 %	0.7 %	11.4 %	0.4 %	7.1 %	56.0 %	2.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0451 ppm	104.9540 %	99.6032 %	99.0010 %	105.2887 %	97.4030 %	99.9487 %
Concentration per Run 1	-0.0455 ppm	104.7668 %	99.8443 %	98.6642 %	105.1250 %	97.9641 %	99.9888 %
Concentration per Run 2	-0.0451 ppm	104.9995 %	99.8050 %	98.6766 %	105.4058 %	97.0926 %	99.3226 %
Concentration per Run 3	-0.0449 ppm	105.0958 %	99.1602 %	99.6621 %	105.3353 %	97.1523 %	100.5347 %
Concentration RSD	0.7 %	0.2 %	0.4 %	0.6 %	0.1 %	0.5 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115410-9 WG2115410
 Analysis started at: 9/17/2025 12:30:55 PM
 Rack: 1
 Vial: 38
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0531 ppm	2.0959 ppm	0.1283 ppm	2.4498 ppm	2.0243 ppm	0.0486 ppm	189.4519 ppm
Concentration per Run 1	0.0532 ppm	2.0945 ppm	0.1276 ppm	2.4594 ppm	2.0363 ppm	0.0488 ppm	190.0496 ppm
Concentration per Run 2	0.0539 ppm	2.1151 ppm	0.1285 ppm	2.4509 ppm	2.0271 ppm	0.0488 ppm	189.7339 ppm
Concentration per Run 3	0.0522 ppm	2.0779 ppm	0.1289 ppm	2.4390 ppm	2.0096 ppm	0.0482 ppm	188.5723 ppm
Concentration RSD	1.6 %	0.9 %	0.5 %	0.4 %	0.7 %	0.7 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0464 ppm	0.4693 ppm	0.1846 ppm	0.2850 ppm	1.3605 ppm	103.0126 ppm	0.0429 ppm
Concentration per Run 1	0.0462 ppm	0.4690 ppm	0.1867 ppm	0.2839 ppm	1.3745 ppm	103.4065 ppm	0.0439 ppm
Concentration per Run 2	0.0463 ppm	0.4681 ppm	0.1841 ppm	0.2842 ppm	1.3572 ppm	103.4450 ppm	0.0433 ppm
Concentration per Run 3	0.0466 ppm	0.4709 ppm	0.1831 ppm	0.2869 ppm	1.3498 ppm	102.1863 ppm	0.0416 ppm
Concentration RSD	0.4 %	0.3 %	1.0 %	0.6 %	0.9 %	0.7 %	2.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	220.0205 ppm	2.1398 ppm	0.9415 ppm	1,514.9684 [SIC 500]	0.4696 ppm	0.5187 ppm	0.3317 ppm
Concentration per Run 1	220.8481 ppm	2.1512 ppm	0.9355 ppm	1,525.1409 ppm	0.4732 ppm	0.5220 ppm	0.3200 ppm
Concentration per Run 2	219.7358 ppm	2.1631 ppm	0.9411 ppm	1,518.5843 ppm	0.4667 ppm	0.5184 ppm	0.3248 ppm
Concentration per Run 3	219.4776 ppm	2.1052 ppm	0.9478 ppm	1,501.1801 ppm	0.4688 ppm	0.5157 ppm	0.3504 ppm
Concentration RSD	0.3 %	1.4 %	0.7 %	0.8 %	0.7 %	0.6 %	4.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1151 ppm	13.2170 ppm	0.9123 ppm	3.1795 ppm	0.9577 ppm	0.1247 ppm	0.4947 ppm
Concentration per Run 1	0.1148 ppm	13.2583 ppm	0.9150 ppm	3.1994 ppm	0.9607 ppm	0.1261 ppm	0.4937 ppm
Concentration per Run 2	0.1147 ppm	13.1755 ppm	0.9132 ppm	3.1937 ppm	0.9544 ppm	0.1213 ppm	0.4935 ppm
Concentration per Run 3	0.1157 ppm	13.2173 ppm	0.9087 ppm	3.1453 ppm	0.9580 ppm	0.1267 ppm	0.4969 ppm
Concentration RSD	0.5 %	0.3 %	0.4 %	0.9 %	0.3 %	2.4 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3947 ppm	106.8446 %	100.6867 %	100.9752 %	107.4065 %	98.3725 %	101.2696 %
Concentration per Run 1	0.3967 ppm	106.1582 %	99.9298 %	101.0297 %	106.7972 %	97.8678 %	101.4436 %
Concentration per Run 2	0.3957 ppm	107.2293 %	100.4859 %	101.7893 %	107.6692 %	98.4708 %	101.5200 %
Concentration per Run 3	0.3916 ppm	107.1463 %	101.6443 %	100.1065 %	107.7532 %	98.7790 %	100.8453 %
Concentration RSD	0.7 %	0.6 %	0.9 %	0.8 %	0.5 %	0.5 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115410-10D5 WG2115410
 Analysis started at: 9/17/2025 12:34:08 PM
 Rack: 1
 Vial: 39
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	0.0300 ppm	0.0034 ppm	0.3210 ppm	0.0219 ppm	0.0000 ppm	39.1329 ppm
Concentration per Run 1	0.0004 ppm	0.0369 ppm	0.0046 ppm	0.3199 ppm	0.0218 ppm	0.0000 ppm	39.3194 ppm
Concentration per Run 2	0.0001 ppm	0.0237 ppm	0.0026 ppm	0.3231 ppm	0.0220 ppm	0.0000 ppm	38.9983 ppm
Concentration per Run 3	0.0012 ppm	0.0294 ppm	0.0029 ppm	0.3199 ppm	0.0217 ppm	0.0000 ppm	39.0808 ppm
Concentration RSD	88.6 %	22.1 %	31.7 %	0.6 %	0.7 %	69.9 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	-0.0009 ppm	0.0000 ppm	0.0006 ppm	0.0880 ppm	18.9943 ppm	0.0083 ppm
Concentration per Run 1	-0.0003 ppm	-0.0011 ppm	-0.0003 ppm	-0.0004 ppm	0.0885 ppm	19.0254 ppm	0.0083 ppm
Concentration per Run 2	-0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0012 ppm	0.0887 ppm	19.0812 ppm	0.0084 ppm
Concentration per Run 3	-0.0003 ppm	-0.0016 ppm	0.0000 ppm	0.0010 ppm	0.0867 ppm	18.8762 ppm	0.0082 ppm
Concentration RSD	12.2 %	93.7 %	516.9 %	152.5 %	1.2 %	0.6 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	44.1115 ppm	0.3557 ppm	0.0056 ppm	394.1929 ppm	-0.0007 ppm	-0.0013 ppm	0.0166 ppm
Concentration per Run 1	44.2760 ppm	0.3566 ppm	0.0071 ppm	397.8358 ppm	-0.0008 ppm	-0.0033 ppm	0.0179 ppm
Concentration per Run 2	44.1127 ppm	0.3560 ppm	0.0043 ppm	392.6623 ppm	-0.0001 ppm	0.0000 ppm	0.0175 ppm
Concentration per Run 3	43.9459 ppm	0.3546 ppm	0.0055 ppm	392.0805 ppm	-0.0013 ppm	-0.0006 ppm	0.0144 ppm
Concentration RSD	0.4 %	0.3 %	24.5 %	0.8 %	83.9 %	136.3 %	11.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0041 ppm	2.5467 ppm	0.0109 ppm	0.4689 ppm	-0.0002 ppm	0.0070 ppm	0.0001 ppm
Concentration per Run 1	-0.0082 ppm	2.5432 ppm	0.0104 ppm	0.4685 ppm	0.0004 ppm	0.0051 ppm	-0.0004 ppm
Concentration per Run 2	-0.0022 ppm	2.5475 ppm	0.0117 ppm	0.4709 ppm	-0.0001 ppm	0.0076 ppm	0.0008 ppm
Concentration per Run 3	-0.0018 ppm	2.5494 ppm	0.0105 ppm	0.4673 ppm	-0.0010 ppm	0.0082 ppm	-0.0002 ppm
Concentration RSD	88.5 %	0.1 %	6.5 %	0.4 %	320.8 %	24.0 %	833.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0121 ppm	105.8088 %	102.7885 %	103.4484 %	105.2841 %	100.3028 %	102.2888 %
Concentration per Run 1	-0.0122 ppm	106.1298 %	102.8288 %	103.7268 %	105.8675 %	100.1885 %	102.6809 %
Concentration per Run 2	-0.0123 ppm	105.8231 %	102.6524 %	103.2253 %	105.4287 %	100.2457 %	102.3133 %
Concentration per Run 3	-0.0118 ppm	105.4735 %	102.8843 %	103.3931 %	104.5560 %	100.4743 %	101.8722 %
Concentration RSD	2.1 %	0.3 %	0.1 %	0.2 %	0.6 %	0.2 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
Analysis started at: 9/17/2025 12:37:21 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5024 ppm	0.5230 ppm	0.4984 ppm	0.5132 ppm	0.5091 ppm	0.5248 ppm	0.5103 ppm
Concentration per Run 1	0.5002 ppm	0.5177 ppm	0.4986 ppm	0.5131 ppm	0.5056 ppm	0.5222 ppm	0.5152 ppm
Concentration per Run 2	0.5050 ppm	0.5284 ppm	0.4965 ppm	0.5157 ppm	0.5161 ppm	0.5301 ppm	0.5103 ppm
Concentration per Run 3	0.5020 ppm	0.5230 ppm	0.5000 ppm	0.5108 ppm	0.5058 ppm	0.5221 ppm	0.5055 ppm
Recovery Percentage 1	100.478 %	104.606 %	99.679 %	102.644 %	101.830 %	104.961 %	102.064 %
Concentration RSD	0.5 %	1.0 %	0.4 %	0.5 %	1.2 %	0.9 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5147 ppm	0.5176 ppm	0.5194 ppm	0.5086 ppm	0.5182 ppm	5.3368 ppm	0.5247 ppm
Concentration per Run 1	0.5120 ppm	0.5149 ppm	0.5182 ppm	0.5069 ppm	0.5132 ppm	5.3288 ppm	0.5178 ppm
Concentration per Run 2	0.5188 ppm	0.5236 ppm	0.5204 ppm	0.5147 ppm	0.5264 ppm	5.4133 ppm	0.5361 ppm
Concentration per Run 3	0.5132 ppm	0.5143 ppm	0.5196 ppm	0.5041 ppm	0.5149 ppm	5.2684 ppm	0.5201 ppm
Recovery Percentage 1	102.932 %	103.520 %	103.881 %	101.713 %	103.634 %	106.737 %	104.932 %
Concentration RSD	0.7 %	1.0 %	0.2 %	1.1 %	1.4 %	1.4 %	1.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4998 ppm	0.5192 ppm	0.5140 ppm	10.4593 ppm	0.5257 ppm	0.5110 ppm	0.5352 ppm
Concentration per Run 1	0.4989 ppm	0.5157 ppm	0.5122 ppm	10.4094 ppm	0.5245 ppm	0.5135 ppm	0.5408 ppm
Concentration per Run 2	0.5017 ppm	0.5246 ppm	0.5167 ppm	10.4880 ppm	0.5263 ppm	0.5084 ppm	0.5337 ppm
Concentration per Run 3	0.4988 ppm	0.5174 ppm	0.5131 ppm	10.4806 ppm	0.5264 ppm	0.5110 ppm	0.5310 ppm
Recovery Percentage 1	99.963 %	103.840 %	102.800 %	104.593 %	105.146 %	102.196 %	107.035 %
Concentration RSD	0.3 %	0.9 %	0.5 %	0.4 %	0.2 %	0.5 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4984 ppm	5.5262 ppm	0.5233 ppm	0.5145 ppm	0.5068 ppm	0.5044 ppm	0.5183 ppm
Concentration per Run 1	0.5004 ppm	5.5053 ppm	0.5250 ppm	0.5103 ppm	0.5053 ppm	0.4975 ppm	0.5167 ppm
Concentration per Run 2	0.4954 ppm	5.5401 ppm	0.5224 ppm	0.5209 ppm	0.5075 ppm	0.5095 ppm	0.5202 ppm
Concentration per Run 3	0.4993 ppm	5.5331 ppm	0.5226 ppm	0.5125 ppm	0.5076 ppm	0.5062 ppm	0.5179 ppm
Recovery Percentage 1	99.670 %	105.261 %	104.666 %	102.907 %	101.356 %	100.886 %	103.650 %
Concentration RSD	0.5 %	0.3 %	0.3 %	1.1 %	0.3 %	1.2 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5275 ppm	101.1696 %	104.1941 %	100.9625 %	101.3214 %	102.8913 %	100.6430 %
Concentration per Run 1	0.5241 ppm	101.0222 %	105.3853 %	100.6523 %	101.0975 %	103.7114 %	100.3167 %
Concentration per Run 2	0.5302 ppm	101.4977 %	102.5992 %	101.4603 %	101.6619 %	101.1460 %	101.2928 %
Concentration per Run 3	0.5283 ppm	100.9888 %	104.5977 %	100.7747 %	101.2048 %	103.8167 %	100.3194 %
Recovery Percentage 1	105.505 %						
Concentration RSD	0.6 %	0.3 %	1.4 %	0.4 %	0.3 %	1.5 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 12:40:35 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0020 ppm	0.0149 ppm	0.0039 ppm	0.0022 ppm	0.0002 ppm	0.0001 ppm	0.0017 ppm
Concentration per Run 1	0.0015 ppm	0.0133 ppm	0.0048 ppm	0.0023 ppm	0.0002 ppm	0.0001 ppm	0.0005 ppm
Concentration per Run 2	0.0019 ppm	0.0176 ppm	0.0045 ppm	0.0032 ppm	0.0001 ppm	0.0001 ppm	0.0047 ppm
Concentration per Run 3	0.0026 ppm	0.0137 ppm	0.0023 ppm	0.0010 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm
Recovery Percentage 1	28.407 %	14.887 %	77.220 %	7.198 %	2.081 %	2.169 %	1.747 %
Concentration RSD	27.2 %	15.9 %	34.6 %	53.4 %	46.4 %	7.1 %	144.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0010 ppm	-0.0001 ppm	0.0000 ppm	0.0016 ppm	0.0589 ppm	-0.0007 ppm
Concentration per Run 1	0.0001 ppm	-0.0007 ppm	0.0008 ppm	-0.0011 ppm	0.0000 ppm	0.0492 ppm	0.0001 ppm
Concentration per Run 2	-0.0002 ppm	-0.0016 ppm	-0.0010 ppm	0.0003 ppm	0.0013 ppm	0.0737 ppm	-0.0013 ppm
Concentration per Run 3	0.0001 ppm	-0.0006 ppm	-0.0001 ppm	0.0009 ppm	0.0036 ppm	0.0536 ppm	-0.0009 ppm
Recovery Percentage 1	-0.304 %	-4.936 %	-1.162 %	0.162 %	2.332 %	2.354 %	-13.767 %
Concentration RSD	1,081.8 %	56.7 %	767.6 %	6,461.8 %	112.9 %	22.2 %	107.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0074 ppm	0.0002 ppm	0.0023 ppm	0.0654 ppm	0.0010 ppm	-0.0022 ppm	0.0032 ppm
Concentration per Run 1	-0.0108 ppm	0.0002 ppm	0.0012 ppm	0.0645 ppm	0.0025 ppm	-0.0037 ppm	0.0046 ppm
Concentration per Run 2	-0.0075 ppm	0.0003 ppm	0.0033 ppm	0.0609 ppm	0.0019 ppm	-0.0006 ppm	0.0032 ppm
Concentration per Run 3	-0.0040 ppm	0.0001 ppm	0.0025 ppm	0.0707 ppm	-0.0015 ppm	-0.0024 ppm	0.0016 ppm
Recovery Percentage 1	-7.443 %	1.932 %	4.666 %	3.269 %	3.899 %	-22.027 %	6.317 %
Concentration RSD	46.2 %	50.3 %	46.7 %	7.6 %	222.9 %	70.4 %	47.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0032 ppm	-0.0120 ppm	0.0020 ppm	0.0001 ppm	-0.0011 ppm	0.0057 ppm	-0.0009 ppm
Concentration per Run 1	-0.0020 ppm	-0.0139 ppm	0.0016 ppm	0.0001 ppm	-0.0012 ppm	0.0043 ppm	-0.0007 ppm
Concentration per Run 2	-0.0005 ppm	-0.0100 ppm	0.0022 ppm	0.0000 ppm	-0.0012 ppm	0.0021 ppm	-0.0010 ppm
Concentration per Run 3	-0.0069 ppm	-0.0119 ppm	0.0023 ppm	0.0001 ppm	-0.0008 ppm	0.0107 ppm	-0.0011 ppm
Recovery Percentage 1	-31.537 %	-2.392 %	4.041 %	0.657 %	-10.565 %	28.491 %	-9.375 %
Concentration RSD	106.8 %	16.5 %	20.3 %	122.3 %	22.1 %	78.1 %	17.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	99.8807 %	103.0553 %	100.0732 %	101.2433 %	102.4690 %	100.8683 %
Concentration per Run 1	-0.0001 ppm	99.4139 %	103.0527 %	98.4836 %	100.4805 %	102.9586 %	100.0654 %
Concentration per Run 2	0.0005 ppm	101.3991 %	105.9824 %	100.9468 %	102.0892 %	104.5542 %	101.6725 %
Concentration per Run 3	-0.0003 ppm	98.8292 %	100.1307 %	100.7893 %	101.1602 %	99.8942 %	100.8671 %
Recovery Percentage 1	0.484 %						
Concentration RSD	1,642.5 %	1.3 %	2.8 %	1.4 %	0.8 %	2.3 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115585-1 WG2115585
 Analysis started at: 9/17/2025 1:16:18 PM
 Rack: 1
 Vial: 44
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	0.0168 ppm	0.0014 ppm	0.0018 ppm	0.0001 ppm	0.0001 ppm	0.0020 ppm
Concentration per Run 1	0.0011 ppm	0.0160 ppm	0.0000 ppm	0.0022 ppm	0.0002 ppm	0.0001 ppm	0.0022 ppm
Concentration per Run 2	0.0013 ppm	0.0185 ppm	0.0023 ppm	0.0021 ppm	0.0000 ppm	0.0000 ppm	0.0022 ppm
Concentration per Run 3	0.0019 ppm	0.0160 ppm	0.0020 ppm	0.0011 ppm	0.0002 ppm	0.0000 ppm	0.0017 ppm
Recovery Percentage 1	20.652 %	16.845 %	28.827 %	5.946 %	1.418 %	1.283 %	2.012 %
Concentration RSD	26.5 %	8.6 %	87.0 %	32.7 %	66.6 %	96.5 %	13.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0017 ppm	-0.0004 ppm	0.0008 ppm	0.0019 ppm	0.0663 ppm	0.0003 ppm
Concentration per Run 1	0.0003 ppm	-0.0017 ppm	-0.0006 ppm	0.0003 ppm	0.0025 ppm	0.0778 ppm	-0.0006 ppm
Concentration per Run 2	0.0001 ppm	-0.0008 ppm	-0.0006 ppm	0.0014 ppm	0.0007 ppm	0.0563 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0025 ppm	0.0000 ppm	0.0007 ppm	0.0025 ppm	0.0648 ppm	0.0015 ppm
Recovery Percentage 1	2.410 %	-8.478 %	-4.116 %	8.308 %	3.792 %	2.653 %	5.309 %
Concentration RSD	142.2 %	51.0 %	82.6 %	68.7 %	55.2 %	16.3 %	425.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0084 ppm	0.0007 ppm	0.0007 ppm	0.0317 ppm	-0.0006 ppm	-0.0026 ppm	-0.0056 ppm
Concentration per Run 1	-0.0096 ppm	0.0005 ppm	0.0004 ppm	0.0250 ppm	0.0006 ppm	-0.0012 ppm	-0.0039 ppm
Concentration per Run 2	-0.0081 ppm	0.0008 ppm	-0.0005 ppm	0.0346 ppm	-0.0027 ppm	-0.0035 ppm	-0.0053 ppm
Concentration per Run 3	-0.0076 ppm	0.0009 ppm	0.0021 ppm	0.0356 ppm	0.0004 ppm	-0.0031 ppm	-0.0076 ppm
Recovery Percentage 1	-8.409 %	7.362 %	1.345 %	1.586 %	-2.313 %	-26.157 %	-11.179 %
Concentration RSD	12.4 %	28.7 %	195.3 %	18.5 %	319.3 %	47.5 %	33.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0043 ppm	-0.0041 ppm	0.0011 ppm	0.0000 ppm	-0.0011 ppm	0.0053 ppm	-0.0009 ppm
Concentration per Run 1	-0.0035 ppm	-0.0018 ppm	-0.0007 ppm	0.0000 ppm	-0.0028 ppm	0.0079 ppm	-0.0003 ppm
Concentration per Run 2	-0.0024 ppm	-0.0040 ppm	0.0015 ppm	0.0000 ppm	-0.0004 ppm	0.0033 ppm	-0.0014 ppm
Concentration per Run 3	-0.0071 ppm	-0.0066 ppm	0.0025 ppm	0.0000 ppm	-0.0002 ppm	0.0047 ppm	-0.0010 ppm
Recovery Percentage 1	-43.132 %	-0.827 %	2.244 %	0.150 %	-11.308 %	26.517 %	-9.049 %
Concentration RSD	57.9 %	58.5 %	144.9 %	236.4 %	128.9 %	45.2 %	63.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	100.1270 %	106.1695 %	100.1629 %	101.4850 %	105.1027 %	100.6533 %
Concentration per Run 1	-0.0001 ppm	100.3546 %	106.2035 %	100.5505 %	101.2691 %	105.3335 %	100.8182 %
Concentration per Run 2	-0.0003 ppm	100.0153 %	105.4027 %	99.7017 %	101.8759 %	104.5515 %	100.4977 %
Concentration per Run 3	0.0001 ppm	100.0112 %	106.9023 %	100.2363 %	101.3099 %	105.4233 %	100.6439 %
Recovery Percentage 1	-1.435 %						
Concentration RSD	289.3 %	0.2 %	0.7 %	0.4 %	0.3 %	0.5 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115585-2 WG2115585
 Analysis started at: 9/17/2025 1:19:45 PM
 Rack: 1
 Vial: 45
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0527 ppm	2.1215 ppm	0.1255 ppm	1.0307 ppm	2.0439 ppm	0.0518 ppm	10.5082 ppm
Concentration per Run 1	0.0534 ppm	2.1338 ppm	0.1267 ppm	1.0412 ppm	2.0526 ppm	0.0520 ppm	10.5741 ppm
Concentration per Run 2	0.0516 ppm	2.0929 ppm	0.1244 ppm	1.0207 ppm	2.0181 ppm	0.0511 ppm	10.3854 ppm
Concentration per Run 3	0.0531 ppm	2.1380 ppm	0.1252 ppm	1.0303 ppm	2.0609 ppm	0.0524 ppm	10.5650 ppm
Concentration RSD	1.9 %	1.2 %	0.9 %	1.0 %	1.1 %	1.2 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0537 ppm	0.5001 ppm	0.2013 ppm	0.2457 ppm	1.0303 ppm	10.7086 ppm	-0.0001 ppm
Concentration per Run 1	0.0536 ppm	0.4991 ppm	0.2016 ppm	0.2462 ppm	1.0355 ppm	10.7160 ppm	0.0006 ppm
Concentration per Run 2	0.0536 ppm	0.4993 ppm	0.2011 ppm	0.2458 ppm	1.0218 ppm	10.6004 ppm	-0.0010 ppm
Concentration per Run 3	0.0539 ppm	0.5019 ppm	0.2012 ppm	0.2451 ppm	1.0336 ppm	10.8093 ppm	0.0001 ppm
Concentration RSD	0.3 %	0.3 %	0.1 %	0.2 %	0.7 %	1.0 %	765.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.0438 ppm	0.5135 ppm	1.0104 ppm	10.5668 ppm	0.5127 ppm	0.5403 ppm	0.3961 ppm
Concentration per Run 1	10.0397 ppm	0.5153 ppm	1.0080 ppm	10.6103 ppm	0.5184 ppm	0.5370 ppm	0.3957 ppm
Concentration per Run 2	10.0256 ppm	0.5067 ppm	1.0053 ppm	10.3740 ppm	0.5093 ppm	0.5431 ppm	0.3954 ppm
Concentration per Run 3	10.0662 ppm	0.5185 ppm	1.0179 ppm	10.7162 ppm	0.5102 ppm	0.5408 ppm	0.3973 ppm
Concentration RSD	0.2 %	1.2 %	0.7 %	1.7 %	1.0 %	0.6 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1189 ppm	0.9465 ppm	0.9864 ppm	1.0154 ppm	1.0115 ppm	0.1231 ppm	0.5172 ppm
Concentration per Run 1	0.1147 ppm	0.9495 ppm	0.9869 ppm	1.0227 ppm	1.0143 ppm	0.1229 ppm	0.5176 ppm
Concentration per Run 2	0.1195 ppm	0.9441 ppm	0.9840 ppm	0.9967 ppm	1.0070 ppm	0.1196 ppm	0.5156 ppm
Concentration per Run 3	0.1225 ppm	0.9458 ppm	0.9883 ppm	1.0269 ppm	1.0133 ppm	0.1270 ppm	0.5184 ppm
Concentration RSD	3.3 %	0.3 %	0.2 %	1.6 %	0.4 %	3.0 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5153 ppm	101.8040 %	105.0198 %	100.7911 %	101.2122 %	103.2355 %	100.4433 %
Concentration per Run 1	0.5190 ppm	100.6764 %	103.8398 %	100.7762 %	100.3052 %	102.3620 %	100.5389 %
Concentration per Run 2	0.5117 ppm	102.6446 %	106.8769 %	100.8185 %	101.8963 %	104.5631 %	100.6329 %
Concentration per Run 3	0.5152 ppm	102.0910 %	104.3428 %	100.7786 %	101.4351 %	102.7815 %	100.1580 %
Concentration RSD	0.7 %	1.0 %	1.5 %	0.0 %	0.8 %	1.1 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2558089-02 WG2115410
 Analysis started at: 9/17/2025 1:23:00 PM
 Rack: 1
 Vial: 41
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	0.0526 ppm	0.0109 ppm	1.2697 ppm	0.1250 ppm	0.0001 ppm	182.7285 ppm
Concentration per Run 1	0.0010 ppm	0.0527 ppm	0.0108 ppm	1.2665 ppm	0.1250 ppm	0.0001 ppm	183.7165 ppm
Concentration per Run 2	0.0006 ppm	0.0487 ppm	0.0115 ppm	1.2735 ppm	0.1259 ppm	0.0000 ppm	182.5246 ppm
Concentration per Run 3	0.0003 ppm	0.0564 ppm	0.0104 ppm	1.2692 ppm	0.1241 ppm	0.0001 ppm	181.9445 ppm
Concentration RSD	50.6 %	7.3 %	5.5 %	0.3 %	0.7 %	43.1 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0011 ppm	-0.0010 ppm	-0.0001 ppm	0.0013 ppm	0.0347 ppm	98.9919 ppm	0.0426 ppm
Concentration per Run 1	-0.0011 ppm	-0.0023 ppm	-0.0002 ppm	0.0016 ppm	0.0364 ppm	98.7976 ppm	0.0413 ppm
Concentration per Run 2	-0.0009 ppm	-0.0008 ppm	0.0002 ppm	0.0011 ppm	0.0349 ppm	99.2131 ppm	0.0446 ppm
Concentration per Run 3	-0.0013 ppm	0.0002 ppm	-0.0004 ppm	0.0012 ppm	0.0328 ppm	98.9648 ppm	0.0419 ppm
Concentration RSD	20.2 %	125.5 %	274.6 %	19.2 %	5.2 %	0.2 %	4.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	227.3707 ppm	0.1049 ppm	0.0106 ppm	1,614.0726 [SIC 500]	0.0025 ppm	-0.0040 ppm	0.0124 ppm
Concentration per Run 1	226.8717 ppm	0.1054 ppm	0.0113 ppm	1,623.6200 ppm	0.0046 ppm	-0.0046 ppm	0.0143 ppm
Concentration per Run 2	228.4959 ppm	0.1054 ppm	0.0102 ppm	1,618.0301 ppm	0.0007 ppm	-0.0039 ppm	0.0130 ppm
Concentration per Run 3	226.7444 ppm	0.1041 ppm	0.0103 ppm	1,600.5677 ppm	0.0021 ppm	-0.0034 ppm	0.0099 ppm
Concentration RSD	0.4 %	0.7 %	5.6 %	0.7 %	78.9 %	15.9 %	18.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0009 ppm	11.8907 ppm	0.0081 ppm	2.1270 ppm	-0.0009 ppm	0.0040 ppm	0.0055 ppm
Concentration per Run 1	-0.0022 ppm	11.8302 ppm	0.0066 ppm	2.1299 ppm	-0.0010 ppm	0.0041 ppm	0.0051 ppm
Concentration per Run 2	0.0019 ppm	11.9761 ppm	0.0090 ppm	2.1331 ppm	-0.0007 ppm	0.0041 ppm	0.0052 ppm
Concentration per Run 3	-0.0025 ppm	11.8656 ppm	0.0089 ppm	2.1179 ppm	-0.0010 ppm	0.0038 ppm	0.0060 ppm
Concentration RSD	265.9 %	0.6 %	16.6 %	0.4 %	15.8 %	4.9 %	9.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0465 ppm	106.1344 %	98.7345 %	100.6733 %	106.1396 %	96.5660 %	101.1630 %
Concentration per Run 1	-0.0457 ppm	106.4245 %	98.0997 %	100.3205 %	105.9157 %	95.9711 %	100.9697 %
Concentration per Run 2	-0.0469 ppm	105.7815 %	98.7993 %	101.0844 %	105.7442 %	96.1837 %	101.4403 %
Concentration per Run 3	-0.0467 ppm	106.1972 %	99.3046 %	100.6151 %	106.7588 %	97.5432 %	101.0790 %
Concentration RSD	1.4 %	0.3 %	0.6 %	0.4 %	0.5 %	0.9 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2555418-01 WG2115585
 Analysis started at: 9/17/2025 1:26:13 PM
 Rack: 1
 Vial: 51
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	1.4773 ppm	0.0040 ppm	1.0165 ppm	0.0031 ppm	0.0000 ppm	5.4869 ppm
Concentration per Run 1	0.0006 ppm	1.4772 ppm	0.0048 ppm	1.0077 ppm	0.0031 ppm	0.0000 ppm	5.4715 ppm
Concentration per Run 2	0.0002 ppm	1.4880 ppm	0.0014 ppm	1.0187 ppm	0.0033 ppm	0.0001 ppm	5.5238 ppm
Concentration per Run 3	0.0018 ppm	1.4666 ppm	0.0059 ppm	1.0232 ppm	0.0029 ppm	0.0000 ppm	5.4652 ppm
Concentration RSD	93.2 %	0.7 %	58.0 %	0.8 %	5.1 %	40.0 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0082 ppm	0.0181 ppm	0.1357 ppm	0.0052 ppm	2.2630 ppm	18.0169 ppm	0.0250 ppm
Concentration per Run 1	0.0080 ppm	0.0178 ppm	0.1361 ppm	0.0058 ppm	2.2584 ppm	18.0339 ppm	0.0254 ppm
Concentration per Run 2	0.0082 ppm	0.0178 ppm	0.1350 ppm	0.0051 ppm	2.2786 ppm	18.0788 ppm	0.0247 ppm
Concentration per Run 3	0.0083 ppm	0.0187 ppm	0.1359 ppm	0.0047 ppm	2.2521 ppm	17.9379 ppm	0.0249 ppm
Concentration RSD	1.7 %	2.9 %	0.4 %	11.0 %	0.6 %	0.4 %	1.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0295 ppm	0.0035 ppm	0.0359 ppm	1,172.0452 [SIC 500]	0.4391 ppm	-0.0026 ppm	0.0144 ppm
Concentration per Run 1	0.0352 ppm	0.0034 ppm	0.0362 ppm	1,171.0032 ppm	0.4341 ppm	-0.0024 ppm	0.0082 ppm
Concentration per Run 2	0.0273 ppm	0.0036 ppm	0.0353 ppm	1,173.0213 ppm	0.4419 ppm	-0.0045 ppm	0.0156 ppm
Concentration per Run 3	0.0261 ppm	0.0036 ppm	0.0363 ppm	1,172.1111 ppm	0.4412 ppm	-0.0008 ppm	0.0195 ppm
Concentration RSD	16.7 %	3.2 %	1.4 %	0.1 %	1.0 %	72.1 %	40.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0011 ppm	4.2754 ppm	0.0026 ppm	0.1616 ppm	-0.0008 ppm	0.0046 ppm	-0.0006 ppm
Concentration per Run 1	0.0008 ppm	4.2749 ppm	0.0028 ppm	0.1617 ppm	-0.0012 ppm	0.0042 ppm	-0.0004 ppm
Concentration per Run 2	-0.0022 ppm	4.2923 ppm	0.0033 ppm	0.1628 ppm	-0.0009 ppm	0.0035 ppm	-0.0010 ppm
Concentration per Run 3	-0.0020 ppm	4.2590 ppm	0.0017 ppm	0.1604 ppm	-0.0003 ppm	0.0060 ppm	-0.0006 ppm
Concentration RSD	149.7 %	0.4 %	29.9 %	0.7 %	51.3 %	28.3 %	50.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0051 ppm	109.3991 %	104.0361 %	105.5386 %	109.3441 %	101.3460 %	104.5894 %
Concentration per Run 1	-0.0053 ppm	109.9495 %	104.3213 %	105.1536 %	109.0257 %	101.6249 %	104.2964 %
Concentration per Run 2	-0.0043 ppm	109.7075 %	103.4652 %	106.1795 %	109.7809 %	100.8932 %	104.8836 %
Concentration per Run 3	-0.0058 ppm	108.5401 %	104.3218 %	105.2825 %	109.2257 %	101.5199 %	104.5881 %
Concentration RSD	15.1 %	0.7 %	0.5 %	0.5 %	0.4 %	0.4 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2555486-02 WG2115585
 Analysis started at: 9/17/2025 1:32:00 PM
 Rack: 1
 Vial: 52
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	0.0140 ppm	0.0008 ppm	0.0568 ppm	0.1089 ppm	0.0001 ppm	98.0957 ppm
Concentration per Run 1	0.0017 ppm	0.0122 ppm	-0.0013 ppm	0.0553 ppm	0.1086 ppm	0.0001 ppm	98.3109 ppm
Concentration per Run 2	0.0005 ppm	0.0089 ppm	-0.0002 ppm	0.0584 ppm	0.1088 ppm	0.0001 ppm	98.5243 ppm
Concentration per Run 3	0.0012 ppm	0.0211 ppm	0.0038 ppm	0.0569 ppm	0.1093 ppm	0.0000 ppm	97.4518 ppm
Concentration RSD	53.3 %	44.8 %	348.6 %	2.7 %	0.3 %	73.8 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0007 ppm	-0.0013 ppm	0.0003 ppm	0.0015 ppm	0.0084 ppm	4.4410 ppm	0.0042 ppm
Concentration per Run 1	-0.0007 ppm	-0.0024 ppm	0.0006 ppm	0.0015 ppm	0.0084 ppm	4.4213 ppm	0.0044 ppm
Concentration per Run 2	-0.0006 ppm	-0.0001 ppm	0.0003 ppm	0.0024 ppm	0.0093 ppm	4.4297 ppm	0.0037 ppm
Concentration per Run 3	-0.0009 ppm	-0.0015 ppm	0.0001 ppm	0.0005 ppm	0.0074 ppm	4.4721 ppm	0.0045 ppm
Concentration RSD	17.7 %	90.5 %	67.9 %	63.5 %	11.0 %	0.6 %	10.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	26.0871 ppm	0.0032 ppm	0.0010 ppm	78.6796 ppm	0.0005 ppm	-0.0014 ppm	0.0007 ppm
Concentration per Run 1	26.1184 ppm	0.0032 ppm	0.0007 ppm	78.5726 ppm	0.0009 ppm	-0.0011 ppm	0.0004 ppm
Concentration per Run 2	25.9621 ppm	0.0033 ppm	0.0008 ppm	79.1324 ppm	0.0003 ppm	-0.0004 ppm	0.0039 ppm
Concentration per Run 3	26.1807 ppm	0.0030 ppm	0.0015 ppm	78.3337 ppm	0.0003 ppm	-0.0028 ppm	-0.0023 ppm
Concentration RSD	0.4 %	4.5 %	38.4 %	0.5 %	63.9 %	84.8 %	459.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0003 ppm	8.3267 ppm	-0.0001 ppm	0.3829 ppm	-0.0016 ppm	0.0041 ppm	-0.0008 ppm
Concentration per Run 1	0.0010 ppm	8.3094 ppm	-0.0009 ppm	0.3809 ppm	-0.0017 ppm	0.0033 ppm	-0.0006 ppm
Concentration per Run 2	-0.0019 ppm	8.2926 ppm	0.0005 ppm	0.3824 ppm	-0.0019 ppm	0.0019 ppm	-0.0009 ppm
Concentration per Run 3	0.0000 ppm	8.3783 ppm	0.0002 ppm	0.3855 ppm	-0.0012 ppm	0.0072 ppm	-0.0009 ppm
Concentration RSD	477.3 %	0.5 %	804.9 %	0.6 %	22.9 %	66.7 %	26.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0242 ppm	104.0735 %	104.3101 %	101.9524 %	103.2237 %	102.6037 %	101.2476 %
Concentration per Run 1	0.0244 ppm	103.1587 %	104.3542 %	101.4929 %	102.2603 %	102.6042 %	100.8542 %
Concentration per Run 2	0.0241 ppm	105.3564 %	104.8350 %	102.6983 %	104.2967 %	103.4420 %	101.7093 %
Concentration per Run 3	0.0240 ppm	103.7054 %	103.7413 %	101.6661 %	103.1141 %	101.7649 %	101.1793 %
Concentration RSD	1.0 %	1.1 %	0.5 %	0.6 %	1.0 %	0.8 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556911-01 WG2115585
 Analysis started at: 9/17/2025 1:35:23 PM
 Rack: 1
 Vial: 46
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	0.2789 ppm	0.0043 ppm	0.0420 ppm	0.0806 ppm	0.0001 ppm	82.1399 ppm
Concentration per Run 1	0.0006 ppm	0.2775 ppm	0.0026 ppm	0.0425 ppm	0.0811 ppm	0.0001 ppm	82.5062 ppm
Concentration per Run 2	0.0004 ppm	0.2719 ppm	0.0042 ppm	0.0416 ppm	0.0801 ppm	0.0001 ppm	81.8737 ppm
Concentration per Run 3	0.0006 ppm	0.2874 ppm	0.0061 ppm	0.0420 ppm	0.0807 ppm	0.0001 ppm	82.0397 ppm
Concentration RSD	20.8 %	2.8 %	41.0 %	1.1 %	0.6 %	18.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0006 ppm	-0.0004 ppm	-0.0002 ppm	0.0006 ppm	0.4643 ppm	8.1792 ppm	0.0063 ppm
Concentration per Run 1	-0.0005 ppm	-0.0002 ppm	-0.0003 ppm	0.0012 ppm	0.4640 ppm	8.2148 ppm	0.0058 ppm
Concentration per Run 2	-0.0008 ppm	-0.0011 ppm	-0.0006 ppm	0.0008 ppm	0.4619 ppm	8.1567 ppm	0.0070 ppm
Concentration per Run 3	-0.0006 ppm	0.0001 ppm	0.0005 ppm	-0.0003 ppm	0.4669 ppm	8.1661 ppm	0.0061 ppm
Concentration RSD	25.3 %	144.5 %	357.9 %	139.0 %	0.5 %	0.4 %	9.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	32.6950 ppm	3.6126 ppm	-0.0008 ppm	135.8928 ppm	0.0044 ppm	-0.0030 ppm	-0.0012 ppm
Concentration per Run 1	32.6350 ppm	3.6223 ppm	-0.0004 ppm	136.5159 ppm	0.0045 ppm	-0.0017 ppm	0.0011 ppm
Concentration per Run 2	32.7687 ppm	3.6130 ppm	-0.0010 ppm	135.6554 ppm	0.0051 ppm	-0.0046 ppm	-0.0011 ppm
Concentration per Run 3	32.6813 ppm	3.6026 ppm	-0.0011 ppm	135.5071 ppm	0.0037 ppm	-0.0028 ppm	-0.0037 ppm
Concentration RSD	0.2 %	0.3 %	42.2 %	0.4 %	15.7 %	48.0 %	200.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0054 ppm	5.1175 ppm	-0.0002 ppm	0.9887 ppm	0.0113 ppm	0.0037 ppm	-0.0008 ppm
Concentration per Run 1	-0.0066 ppm	5.1086 ppm	0.0041 ppm	0.9948 ppm	0.0112 ppm	0.0038 ppm	-0.0006 ppm
Concentration per Run 2	-0.0022 ppm	5.1451 ppm	-0.0001 ppm	0.9810 ppm	0.0113 ppm	0.0061 ppm	-0.0012 ppm
Concentration per Run 3	-0.0073 ppm	5.0988 ppm	-0.0047 ppm	0.9903 ppm	0.0114 ppm	0.0013 ppm	-0.0006 ppm
Concentration RSD	51.2 %	0.5 %	1,977.8 %	0.7 %	1.0 %	63.6 %	48.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0009 ppm	105.4248 %	106.1857 %	103.7644 %	104.5769 %	103.7003 %	103.0513 %
Concentration per Run 1	-0.0009 ppm	106.1286 %	106.3392 %	103.9156 %	105.2846 %	104.2595 %	103.1463 %
Concentration per Run 2	-0.0011 ppm	104.3777 %	106.8416 %	103.4075 %	103.3870 %	104.3453 %	102.3549 %
Concentration per Run 3	-0.0007 ppm	105.7682 %	105.3762 %	103.9701 %	105.0592 %	102.4962 %	103.6529 %
Concentration RSD	18.8 %	0.9 %	0.7 %	0.3 %	1.0 %	1.0 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115585-3 WG2115585
 Analysis started at: 9/17/2025 1:38:38 PM
 Rack: 1
 Vial: 47
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0533 ppm	2.3150 ppm	0.1215 ppm	1.0486 ppm	2.0523 ppm	0.0509 ppm	90.1427 ppm
Concentration per Run 1	0.0534 ppm	2.3010 ppm	0.1237 ppm	1.0529 ppm	2.0464 ppm	0.0507 ppm	90.1337 ppm
Concentration per Run 2	0.0531 ppm	2.3335 ppm	0.1189 ppm	1.0467 ppm	2.0540 ppm	0.0509 ppm	90.9525 ppm
Concentration per Run 3	0.0535 ppm	2.3104 ppm	0.1218 ppm	1.0461 ppm	2.0567 ppm	0.0510 ppm	89.3419 ppm
Concentration RSD	0.4 %	0.7 %	2.0 %	0.4 %	0.3 %	0.4 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0507 ppm	0.4833 ppm	0.1956 ppm	0.2546 ppm	1.4373 ppm	18.4834 ppm	0.0061 ppm
Concentration per Run 1	0.0504 ppm	0.4833 ppm	0.1963 ppm	0.2569 ppm	1.4314 ppm	18.4397 ppm	0.0060 ppm
Concentration per Run 2	0.0510 ppm	0.4835 ppm	0.1952 ppm	0.2561 ppm	1.4416 ppm	18.5443 ppm	0.0059 ppm
Concentration per Run 3	0.0507 ppm	0.4833 ppm	0.1954 ppm	0.2509 ppm	1.4388 ppm	18.4663 ppm	0.0063 ppm
Concentration RSD	0.6 %	0.0 %	0.3 %	1.3 %	0.4 %	0.3 %	3.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	41.7950 ppm	4.0269 ppm	0.9896 ppm	143.0827 ppm	0.4972 ppm	0.5230 ppm	0.4743 ppm
Concentration per Run 1	41.8743 ppm	4.0118 ppm	0.9879 ppm	142.8077 ppm	0.4996 ppm	0.5251 ppm	0.4736 ppm
Concentration per Run 2	41.7562 ppm	4.0400 ppm	0.9873 ppm	143.3992 ppm	0.4944 ppm	0.5137 ppm	0.4787 ppm
Concentration per Run 3	41.7546 ppm	4.0290 ppm	0.9936 ppm	143.0413 ppm	0.4977 ppm	0.5301 ppm	0.4706 ppm
Concentration RSD	0.2 %	0.4 %	0.4 %	0.2 %	0.5 %	1.6 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1214 ppm	5.9325 ppm	0.9591 ppm	1.9385 ppm	1.0015 ppm	0.1226 ppm	0.5078 ppm
Concentration per Run 1	0.1186 ppm	5.9448 ppm	0.9576 ppm	1.9267 ppm	1.0045 ppm	0.1201 ppm	0.5076 ppm
Concentration per Run 2	0.1227 ppm	5.9215 ppm	0.9642 ppm	1.9462 ppm	1.0022 ppm	0.1231 ppm	0.5086 ppm
Concentration per Run 3	0.1230 ppm	5.9312 ppm	0.9556 ppm	1.9425 ppm	0.9980 ppm	0.1246 ppm	0.5072 ppm
Concentration RSD	2.0 %	0.2 %	0.5 %	0.5 %	0.3 %	1.9 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4908 ppm	104.5744 %	105.7009 %	102.4533 %	103.8965 %	103.1009 %	102.0108 %
Concentration per Run 1	0.4928 ppm	103.7231 %	105.8662 %	102.3829 %	102.7912 %	102.8831 %	101.8647 %
Concentration per Run 2	0.4903 ppm	104.7591 %	105.1318 %	103.0836 %	103.8460 %	103.1184 %	102.9713 %
Concentration per Run 3	0.4893 ppm	105.2410 %	106.1046 %	101.8933 %	105.0524 %	103.3011 %	101.1963 %
Concentration RSD	0.4 %	0.7 %	0.5 %	0.6 %	1.1 %	0.2 %	0.9 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115585-4 WG2115585
 Analysis started at: 9/17/2025 1:41:53 PM
 Rack: 1
 Vial: 48
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	0.2623 ppm	0.0019 ppm	0.0409 ppm	0.0772 ppm	0.0001 ppm	78.2378 ppm
Concentration per Run 1	0.0013 ppm	0.2625 ppm	0.0040 ppm	0.0417 ppm	0.0770 ppm	0.0001 ppm	78.1188 ppm
Concentration per Run 2	-0.0004 ppm	0.2675 ppm	-0.0008 ppm	0.0412 ppm	0.0782 ppm	0.0000 ppm	78.8828 ppm
Concentration per Run 3	0.0003 ppm	0.2570 ppm	0.0025 ppm	0.0399 ppm	0.0763 ppm	0.0001 ppm	77.7117 ppm
Concentration RSD	219.8 %	2.0 %	129.1 %	2.2 %	1.3 %	23.5 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0006 ppm	-0.0009 ppm	-0.0003 ppm	0.0004 ppm	0.4497 ppm	7.8586 ppm	0.0066 ppm
Concentration per Run 1	-0.0006 ppm	-0.0008 ppm	-0.0007 ppm	0.0000 ppm	0.4518 ppm	7.8555 ppm	0.0070 ppm
Concentration per Run 2	-0.0005 ppm	-0.0009 ppm	-0.0001 ppm	0.0008 ppm	0.4539 ppm	7.9374 ppm	0.0061 ppm
Concentration per Run 3	-0.0007 ppm	-0.0008 ppm	0.0001 ppm	0.0004 ppm	0.4435 ppm	7.7829 ppm	0.0068 ppm
Concentration RSD	17.7 %	8.6 %	165.3 %	104.1 %	1.2 %	1.0 %	7.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	30.8179 ppm	3.4535 ppm	0.0041 ppm	130.5788 ppm	0.0028 ppm	-0.0046 ppm	0.0057 ppm
Concentration per Run 1	30.7388 ppm	3.4546 ppm	0.0054 ppm	130.0326 ppm	0.0042 ppm	-0.0040 ppm	0.0081 ppm
Concentration per Run 2	30.9887 ppm	3.4660 ppm	0.0037 ppm	131.4726 ppm	0.0026 ppm	-0.0051 ppm	0.0017 ppm
Concentration per Run 3	30.7264 ppm	3.4399 ppm	0.0032 ppm	130.2310 ppm	0.0016 ppm	-0.0047 ppm	0.0073 ppm
Concentration RSD	0.5 %	0.4 %	27.9 %	0.6 %	47.3 %	12.3 %	61.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0031 ppm	4.8247 ppm	0.0042 ppm	0.9472 ppm	0.0118 ppm	0.0028 ppm	-0.0002 ppm
Concentration per Run 1	-0.0042 ppm	4.8156 ppm	0.0052 ppm	0.9476 ppm	0.0113 ppm	0.0018 ppm	-0.0009 ppm
Concentration per Run 2	-0.0023 ppm	4.8614 ppm	0.0041 ppm	0.9590 ppm	0.0115 ppm	0.0017 ppm	-0.0003 ppm
Concentration per Run 3	-0.0029 ppm	4.7971 ppm	0.0034 ppm	0.9350 ppm	0.0126 ppm	0.0049 ppm	0.0006 ppm
Concentration RSD	30.3 %	0.7 %	21.4 %	1.3 %	6.0 %	63.2 %	389.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0007 ppm	105.9269 %	105.2463 %	103.6275 %	104.9936 %	102.8307 %	103.1047 %
Concentration per Run 1	-0.0013 ppm	105.9446 %	104.8039 %	103.6762 %	105.2258 %	102.4208 %	103.4410 %
Concentration per Run 2	-0.0003 ppm	105.7497 %	104.9159 %	103.6106 %	104.6886 %	102.7857 %	103.0691 %
Concentration per Run 3	-0.0004 ppm	106.0862 %	106.0190 %	103.5956 %	105.0664 %	103.2856 %	102.8040 %
Concentration RSD	79.4 %	0.2 %	0.6 %	0.0 %	0.3 %	0.4 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115585-5 WG2115585
 Analysis started at: 9/17/2025 1:45:08 PM
 Rack: 1
 Vial: 49
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0513 ppm	2.3219 ppm	0.1212 ppm	1.0464 ppm	2.0498 ppm	0.0505 ppm	91.7598 ppm
Concentration per Run 1	0.0523 ppm	2.3273 ppm	0.1194 ppm	1.0385 ppm	2.0626 ppm	0.0507 ppm	92.1812 ppm
Concentration per Run 2	0.0505 ppm	2.3189 ppm	0.1236 ppm	1.0423 ppm	2.0359 ppm	0.0502 ppm	91.0419 ppm
Concentration per Run 3	0.0511 ppm	2.3196 ppm	0.1207 ppm	1.0585 ppm	2.0508 ppm	0.0506 ppm	92.0563 ppm
Concentration RSD	1.8 %	0.2 %	1.8 %	1.0 %	0.7 %	0.6 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0505 ppm	0.4829 ppm	0.1953 ppm	0.2549 ppm	1.4439 ppm	18.7111 ppm	0.0058 ppm
Concentration per Run 1	0.0503 ppm	0.4801 ppm	0.1944 ppm	0.2541 ppm	1.4508 ppm	18.7837 ppm	0.0050 ppm
Concentration per Run 2	0.0503 ppm	0.4815 ppm	0.1937 ppm	0.2548 ppm	1.4299 ppm	18.6128 ppm	0.0051 ppm
Concentration per Run 3	0.0510 ppm	0.4871 ppm	0.1979 ppm	0.2557 ppm	1.4510 ppm	18.7369 ppm	0.0072 ppm
Concentration RSD	0.8 %	0.8 %	1.2 %	0.3 %	0.8 %	0.5 %	21.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	42.7070 ppm	4.0869 ppm	0.9880 ppm	146.2999 ppm	0.4967 ppm	0.5188 ppm	0.3516 ppm
Concentration per Run 1	42.6894 ppm	4.0765 ppm	0.9759 ppm	146.8780 ppm	0.4931 ppm	0.5152 ppm	0.3405 ppm
Concentration per Run 2	42.3678 ppm	4.0619 ppm	0.9858 ppm	145.6842 ppm	0.4938 ppm	0.5193 ppm	0.3537 ppm
Concentration per Run 3	43.0639 ppm	4.1224 ppm	1.0024 ppm	146.3375 ppm	0.5032 ppm	0.5219 ppm	0.3606 ppm
Concentration RSD	0.8 %	0.8 %	1.4 %	0.4 %	1.1 %	0.6 %	2.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1160 ppm	6.0499 ppm	0.9704 ppm	1.9650 ppm	1.0033 ppm	0.1229 ppm	0.5056 ppm
Concentration per Run 1	0.1096 ppm	6.0084 ppm	0.9662 ppm	1.9768 ppm	1.0004 ppm	0.1183 ppm	0.5034 ppm
Concentration per Run 2	0.1197 ppm	6.0207 ppm	0.9593 ppm	1.9493 ppm	1.0000 ppm	0.1289 ppm	0.5053 ppm
Concentration per Run 3	0.1185 ppm	6.1206 ppm	0.9857 ppm	1.9688 ppm	1.0096 ppm	0.1215 ppm	0.5081 ppm
Concentration RSD	4.8 %	1.0 %	1.4 %	0.7 %	0.5 %	4.4 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4882 ppm	102.1166 %	104.0236 %	100.7931 %	101.3279 %	102.1616 %	100.0988 %
Concentration per Run 1	0.4859 ppm	102.5916 %	103.6049 %	101.3960 %	101.5203 %	101.9461 %	100.5558 %
Concentration per Run 2	0.4823 ppm	102.3080 %	104.3791 %	100.2506 %	101.2374 %	102.6711 %	99.3873 %
Concentration per Run 3	0.4964 ppm	101.4503 %	104.0868 %	100.7326 %	101.2261 %	101.8675 %	100.3534 %
Concentration RSD	1.5 %	0.6 %	0.4 %	0.6 %	0.2 %	0.4 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115585-6D5 WG2115585
 Analysis started at: 9/17/2025 1:48:21 PM
 Rack: 1
 Vial: 50
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	0.0733 ppm	0.0021 ppm	0.0098 ppm	0.0166 ppm	0.0001 ppm	16.9746 ppm
Concentration per Run 1	0.0009 ppm	0.0674 ppm	0.0004 ppm	0.0107 ppm	0.0167 ppm	0.0000 ppm	17.0305 ppm
Concentration per Run 2	0.0012 ppm	0.0751 ppm	0.0027 ppm	0.0096 ppm	0.0165 ppm	0.0001 ppm	17.0383 ppm
Concentration per Run 3	0.0021 ppm	0.0773 ppm	0.0032 ppm	0.0091 ppm	0.0165 ppm	0.0001 ppm	16.8549 ppm
Concentration RSD	46.2 %	7.1 %	71.7 %	8.3 %	0.7 %	38.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0012 ppm	0.0003 ppm	0.0005 ppm	0.0969 ppm	1.6828 ppm	0.0014 ppm
Concentration per Run 1	-0.0002 ppm	-0.0012 ppm	0.0001 ppm	0.0005 ppm	0.0976 ppm	1.6775 ppm	0.0016 ppm
Concentration per Run 2	-0.0001 ppm	-0.0014 ppm	0.0003 ppm	0.0000 ppm	0.0966 ppm	1.6723 ppm	0.0015 ppm
Concentration per Run 3	0.0001 ppm	-0.0009 ppm	0.0007 ppm	0.0011 ppm	0.0965 ppm	1.6986 ppm	0.0010 ppm
Concentration RSD	312.3 %	22.8 %	91.9 %	105.0 %	0.6 %	0.8 %	23.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	6.5835 ppm	0.7498 ppm	0.0053 ppm	28.0171 ppm	0.0012 ppm	-0.0038 ppm	0.0206 ppm
Concentration per Run 1	6.5730 ppm	0.7524 ppm	0.0049 ppm	28.0889 ppm	0.0032 ppm	-0.0073 ppm	0.0270 ppm
Concentration per Run 2	6.6008 ppm	0.7484 ppm	0.0056 ppm	28.1170 ppm	0.0007 ppm	-0.0038 ppm	0.0186 ppm
Concentration per Run 3	6.5766 ppm	0.7485 ppm	0.0054 ppm	27.8454 ppm	-0.0003 ppm	-0.0002 ppm	0.0162 ppm
Concentration RSD	0.2 %	0.3 %	6.5 %	0.5 %	152.7 %	93.7 %	27.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0043 ppm	1.0136 ppm	0.0105 ppm	0.2038 ppm	0.0020 ppm	0.0064 ppm	-0.0010 ppm
Concentration per Run 1	-0.0045 ppm	1.0116 ppm	0.0128 ppm	0.2050 ppm	0.0025 ppm	0.0028 ppm	-0.0018 ppm
Concentration per Run 2	-0.0062 ppm	1.0181 ppm	0.0092 ppm	0.2040 ppm	0.0021 ppm	0.0100 ppm	-0.0014 ppm
Concentration per Run 3	-0.0022 ppm	1.0111 ppm	0.0096 ppm	0.2024 ppm	0.0013 ppm	0.0064 ppm	0.0001 ppm
Concentration RSD	47.3 %	0.4 %	18.9 %	0.7 %	31.4 %	56.8 %	96.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0003 ppm	104.6748 %	106.0554 %	102.6881 %	104.8246 %	104.1463 %	102.3953 %
Concentration per Run 1	-0.0006 ppm	104.8635 %	105.9629 %	103.1456 %	104.6270 %	104.0947 %	103.3791 %
Concentration per Run 2	-0.0001 ppm	104.1384 %	105.5909 %	103.0042 %	103.9605 %	104.2014 %	102.5298 %
Concentration per Run 3	-0.0003 ppm	105.0226 %	106.6126 %	101.9147 %	105.8864 %	104.1428 %	101.2772 %
Concentration RSD	79.2 %	0.5 %	0.5 %	0.7 %	0.9 %	0.1 %	1.0 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
Analysis started at: 9/17/2025 1:51:35 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5060 ppm	0.5181 ppm	0.4979 ppm	0.5116 ppm	0.5114 ppm	0.5211 ppm	0.5070 ppm
Concentration per Run 1	0.5095 ppm	0.5257 ppm	0.4971 ppm	0.5194 ppm	0.5146 ppm	0.5248 ppm	0.5049 ppm
Concentration per Run 2	0.5034 ppm	0.5234 ppm	0.4971 ppm	0.5041 ppm	0.5107 ppm	0.5194 ppm	0.5053 ppm
Concentration per Run 3	0.5050 ppm	0.5053 ppm	0.4996 ppm	0.5114 ppm	0.5089 ppm	0.5192 ppm	0.5109 ppm
Recovery Percentage 1	101.193 %	103.625 %	99.590 %	102.326 %	102.279 %	104.223 %	101.408 %
Concentration RSD	0.6 %	2.2 %	0.3 %	1.5 %	0.6 %	0.6 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5184 ppm	0.5208 ppm	0.5243 ppm	0.5114 ppm	0.5158 ppm	5.3423 ppm	0.5258 ppm
Concentration per Run 1	0.5243 ppm	0.5267 ppm	0.5298 ppm	0.5146 ppm	0.5187 ppm	5.3920 ppm	0.5329 ppm
Concentration per Run 2	0.5135 ppm	0.5147 ppm	0.5187 ppm	0.5083 ppm	0.5091 ppm	5.2819 ppm	0.5218 ppm
Concentration per Run 3	0.5175 ppm	0.5210 ppm	0.5242 ppm	0.5112 ppm	0.5194 ppm	5.3530 ppm	0.5227 ppm
Recovery Percentage 1	103.685 %	104.157 %	104.851 %	102.272 %	103.152 %	106.846 %	105.161 %
Concentration RSD	1.1 %	1.2 %	1.1 %	0.6 %	1.1 %	1.0 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4929 ppm	0.5184 ppm	0.5171 ppm	10.4550 ppm	0.5319 ppm	0.5098 ppm	0.5307 ppm
Concentration per Run 1	0.4973 ppm	0.5211 ppm	0.5238 ppm	10.4233 ppm	0.5377 ppm	0.5111 ppm	0.5312 ppm
Concentration per Run 2	0.4866 ppm	0.5168 ppm	0.5112 ppm	10.4895 ppm	0.5290 ppm	0.5105 ppm	0.5236 ppm
Concentration per Run 3	0.4948 ppm	0.5172 ppm	0.5164 ppm	10.4521 ppm	0.5291 ppm	0.5079 ppm	0.5374 ppm
Recovery Percentage 1	98.582 %	103.675 %	103.426 %	104.550 %	106.386 %	101.966 %	106.148 %
Concentration RSD	1.1 %	0.5 %	1.2 %	0.3 %	0.9 %	0.3 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.5023 ppm	5.4989 ppm	0.5214 ppm	0.5124 ppm	0.5083 ppm	0.5057 ppm	0.5208 ppm
Concentration per Run 1	0.4993 ppm	5.5659 ppm	0.5295 ppm	0.5155 ppm	0.5127 ppm	0.5094 ppm	0.5258 ppm
Concentration per Run 2	0.5056 ppm	5.4515 ppm	0.5166 ppm	0.5117 ppm	0.5046 ppm	0.5022 ppm	0.5159 ppm
Concentration per Run 3	0.5019 ppm	5.4793 ppm	0.5181 ppm	0.5101 ppm	0.5077 ppm	0.5055 ppm	0.5207 ppm
Recovery Percentage 1	100.453 %	104.741 %	104.280 %	102.489 %	101.661 %	101.136 %	104.159 %
Concentration RSD	0.6 %	1.1 %	1.4 %	0.5 %	0.8 %	0.7 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5293 ppm	101.2504 %	104.7805 %	102.2082 %	101.6437 %	103.0255 %	101.6325 %
Concentration per Run 1	0.5360 ppm	100.6871 %	103.4537 %	102.6806 %	101.5885 %	101.7133 %	102.3631 %
Concentration per Run 2	0.5223 ppm	102.1501 %	105.5202 %	101.6518 %	102.2180 %	103.6059 %	101.2880 %
Concentration per Run 3	0.5297 ppm	100.9140 %	105.3677 %	102.2922 %	101.1247 %	103.7572 %	101.2465 %
Recovery Percentage 1	105.869 %						
Concentration RSD	1.3 %	0.8 %	1.1 %	0.5 %	0.5 %	1.1 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 1:54:49 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	0.0129 ppm	0.0020 ppm	0.0009 ppm	0.0002 ppm	0.0001 ppm	-0.0009 ppm
Concentration per Run 1	0.0025 ppm	0.0138 ppm	0.0029 ppm	0.0019 ppm	0.0003 ppm	0.0001 ppm	-0.0029 ppm
Concentration per Run 2	0.0010 ppm	0.0103 ppm	0.0032 ppm	-0.0004 ppm	-0.0001 ppm	0.0001 ppm	-0.0026 ppm
Concentration per Run 3	0.0007 ppm	0.0148 ppm	-0.0002 ppm	0.0011 ppm	0.0004 ppm	0.0001 ppm	0.0029 ppm
Recovery Percentage 1	19.802 %	12.947 %	39.464 %	2.909 %	1.855 %	2.706 %	-0.859 %
Concentration RSD	71.8 %	17.9 %	97.0 %	129.5 %	143.4 %	31.4 %	383.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0002 ppm	-0.0002 ppm	0.0008 ppm	0.0005 ppm	0.0644 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	0.0000 ppm	0.0018 ppm	-0.0006 ppm	0.0600 ppm	0.0002 ppm
Concentration per Run 2	0.0002 ppm	-0.0003 ppm	0.0002 ppm	0.0008 ppm	0.0004 ppm	0.0775 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	-0.0006 ppm	-0.0009 ppm	-0.0001 ppm	0.0018 ppm	0.0557 ppm	-0.0004 ppm
Recovery Percentage 1	1.105 %	-0.918 %	-2.147 %	8.473 %	1.004 %	2.575 %	3.054 %
Concentration RSD	178.9 %	284.6 %	282.2 %	113.3 %	238.3 %	17.9 %	377.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0078 ppm	-0.0001 ppm	0.0022 ppm	0.0354 ppm	0.0006 ppm	-0.0019 ppm	0.0027 ppm
Concentration per Run 1	-0.0073 ppm	0.0002 ppm	0.0025 ppm	0.0356 ppm	0.0016 ppm	-0.0004 ppm	0.0024 ppm
Concentration per Run 2	-0.0068 ppm	-0.0002 ppm	0.0024 ppm	0.0411 ppm	0.0007 ppm	-0.0037 ppm	0.0028 ppm
Concentration per Run 3	-0.0093 ppm	-0.0002 ppm	0.0019 ppm	0.0293 ppm	-0.0006 ppm	-0.0014 ppm	0.0029 ppm
Recovery Percentage 1	-7.799 %	-1.050 %	4.487 %	1.768 %	2.411 %	-18.520 %	5.401 %
Concentration RSD	17.0 %	211.4 %	12.4 %	16.8 %	183.6 %	90.3 %	9.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0043 ppm	-0.0100 ppm	0.0010 ppm	0.0000 ppm	-0.0017 ppm	0.0029 ppm	-0.0006 ppm
Concentration per Run 1	-0.0070 ppm	-0.0083 ppm	0.0015 ppm	0.0001 ppm	-0.0021 ppm	0.0044 ppm	-0.0004 ppm
Concentration per Run 2	-0.0046 ppm	-0.0104 ppm	0.0020 ppm	0.0000 ppm	-0.0022 ppm	0.0034 ppm	-0.0012 ppm
Concentration per Run 3	-0.0012 ppm	-0.0114 ppm	-0.0005 ppm	0.0000 ppm	-0.0008 ppm	0.0010 ppm	-0.0002 ppm
Recovery Percentage 1	-42.675 %	-2.010 %	1.975 %	0.379 %	-16.994 %	14.659 %	-5.976 %
Concentration RSD	68.6 %	15.7 %	135.4 %	92.4 %	47.0 %	58.3 %	86.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	100.4968 %	104.3315 %	101.0311 %	102.1889 %	104.4735 %	101.1860 %
Concentration per Run 1	-0.0003 ppm	99.3556 %	103.8399 %	100.0827 %	101.4488 %	104.3091 %	99.7034 %
Concentration per Run 2	-0.0001 ppm	101.2451 %	103.6735 %	101.2814 %	102.6882 %	103.4668 %	101.4666 %
Concentration per Run 3	-0.0003 ppm	100.8897 %	105.4813 %	101.7293 %	102.4296 %	105.6446 %	102.3882 %
Recovery Percentage 1	-4.247 %						
Concentration RSD	43.8 %	1.0 %	1.0 %	0.8 %	0.6 %	1.1 %	1.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: I2556270-01D2 WG2112872
 Analysis started at: 9/17/2025 2:17:55 PM
 Rack: 1
 Vial: 53
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0470 ppm	48.9856 ppm	0.2140 ppm	0.1543 ppm	7.0691 ppm	0.0029 ppm	202.0138 ppm
Concentration per Run 1	0.0480 ppm	49.0989 ppm	0.2147 ppm	0.1571 ppm	7.0806 ppm	0.0030 ppm	202.4440 ppm
Concentration per Run 2	0.0472 ppm	49.1405 ppm	0.2120 ppm	0.1561 ppm	7.0682 ppm	0.0028 ppm	201.5546 ppm
Concentration per Run 3	0.0460 ppm	48.7174 ppm	0.2154 ppm	0.1498 ppm	7.0586 ppm	0.0029 ppm	202.0429 ppm
Concentration RSD	2.1 %	0.5 %	0.9 %	2.6 %	0.2 %	3.2 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0636 ppm	0.0826 ppm	0.5739 ppm	4.4735 ppm	285.8156 ppm	7.1288 ppm	0.0674 ppm
Concentration per Run 1	0.0638 ppm	0.0840 ppm	0.5817 ppm	4.5076 ppm	285.7704 ppm	7.1235 ppm	0.0661 ppm
Concentration per Run 2	0.0640 ppm	0.0813 ppm	0.5726 ppm	4.4840 ppm	285.5376 ppm	7.1328 ppm	0.0679 ppm
Concentration per Run 3	0.0631 ppm	0.0825 ppm	0.5674 ppm	4.4289 ppm	286.1387 ppm	7.1301 ppm	0.0683 ppm
Concentration RSD	0.8 %	1.6 %	1.3 %	0.9 %	0.1 %	0.1 %	1.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	41.6643 ppm	3.1860 ppm	0.0272 ppm	2.3754 ppm	0.4672 ppm	16.7210 ppm	0.0853 ppm
Concentration per Run 1	42.0450 ppm	3.1908 ppm	0.0259 ppm	2.3839 ppm	0.4710 ppm	16.7293 ppm	0.0934 ppm
Concentration per Run 2	41.7298 ppm	3.1791 ppm	0.0285 ppm	2.3648 ppm	0.4679 ppm	16.6723 ppm	0.0821 ppm
Concentration per Run 3	41.2182 ppm	3.1881 ppm	0.0272 ppm	2.3773 ppm	0.4628 ppm	16.7615 ppm	0.0804 ppm
Concentration RSD	1.0 %	0.2 %	4.8 %	0.4 %	0.9 %	0.3 %	8.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0094 ppm	10.2276 ppm	0.8321 ppm	0.8654 ppm	2.0868 ppm	0.0020 ppm	0.2951 ppm
Concentration per Run 1	0.0077 ppm	10.2988 ppm	0.8505 ppm	0.8696 ppm	2.1034 ppm	0.0023 ppm	0.2980 ppm
Concentration per Run 2	0.0087 ppm	10.2407 ppm	0.8262 ppm	0.8681 ppm	2.1066 ppm	0.0030 ppm	0.2941 ppm
Concentration per Run 3	0.0119 ppm	10.1434 ppm	0.8196 ppm	0.8584 ppm	2.0504 ppm	0.0006 ppm	0.2932 ppm
Concentration RSD	23.3 %	0.8 %	2.0 %	0.7 %	1.5 %	62.0 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	34.2941 [SIC 50]	99.9112 %	103.8374 %	94.9061 %	107.2832 %	110.2562 %	104.2168 %
Concentration per Run 1	34.8082 ppm	98.6008 %	103.5831 %	94.5616 %	106.2705 %	110.2189 %	104.2398 %
Concentration per Run 2	34.2724 ppm	100.2244 %	104.1345 %	95.8792 %	107.4008 %	110.2690 %	104.2289 %
Concentration per Run 3	33.8016 ppm	100.9083 %	103.7946 %	94.2776 %	108.1784 %	110.2808 %	104.1819 %
Concentration RSD	1.5 %	1.2 %	0.3 %	0.9 %	0.9 %	0.0 %	0.0 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: I2556270-02D2 WG2112872
 Analysis started at: 9/17/2025 2:21:21 PM
 Rack: 1
 Vial: 54
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0262 ppm	29.3186 ppm	0.1316 ppm	0.1154 ppm	7.9727 ppm	0.0021 ppm	125.2272 ppm
Concentration per Run 1	0.0260 ppm	29.5898 ppm	0.1321 ppm	0.1145 ppm	8.0403 ppm	0.0022 ppm	125.4577 ppm
Concentration per Run 2	0.0278 ppm	29.0737 ppm	0.1321 ppm	0.1156 ppm	7.9337 ppm	0.0021 ppm	125.0394 ppm
Concentration per Run 3	0.0248 ppm	29.2922 ppm	0.1306 ppm	0.1160 ppm	7.9441 ppm	0.0020 ppm	125.1845 ppm
Concentration RSD	5.7 %	0.9 %	0.7 %	0.7 %	0.7 %	3.4 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0636 ppm	0.0632 ppm	0.7649 ppm	9.3698 ppm	219.0962 ppm	6.3870 ppm	0.0493 ppm
Concentration per Run 1	0.0634 ppm	0.0634 ppm	0.7694 ppm	9.3931 ppm	220.2896 ppm	6.4641 ppm	0.0507 ppm
Concentration per Run 2	0.0634 ppm	0.0625 ppm	0.7560 ppm	9.2972 ppm	218.6444 ppm	6.3945 ppm	0.0482 ppm
Concentration per Run 3	0.0640 ppm	0.0639 ppm	0.7693 ppm	9.4190 ppm	218.3547 ppm	6.3025 ppm	0.0488 ppm
Concentration RSD	0.5 %	1.1 %	1.0 %	0.7 %	0.5 %	1.3 %	2.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	21.2548 ppm	3.4563 ppm	0.0283 ppm	2.6986 ppm	0.5650 ppm	48.7899 ppm	0.0739 ppm
Concentration per Run 1	21.3911 ppm	3.4804 ppm	0.0282 ppm	2.6941 ppm	0.5670 ppm	48.6860 ppm	0.0712 ppm
Concentration per Run 2	21.0295 ppm	3.4461 ppm	0.0285 ppm	2.6961 ppm	0.5584 ppm	49.0127 ppm	0.0778 ppm
Concentration per Run 3	21.3439 ppm	3.4422 ppm	0.0284 ppm	2.7055 ppm	0.5697 ppm	48.6709 ppm	0.0727 ppm
Concentration RSD	0.9 %	0.6 %	0.5 %	0.2 %	1.0 %	0.4 %	4.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0025 ppm	6.1100 ppm	0.8237 ppm	0.6381 ppm	2.3959 ppm	0.0018 ppm	0.3740 ppm
Concentration per Run 1	0.0041 ppm	6.1562 ppm	0.8378 ppm	0.6453 ppm	2.4038 ppm	0.0037 ppm	0.3761 ppm
Concentration per Run 2	0.0049 ppm	6.0491 ppm	0.8088 ppm	0.6339 ppm	2.3745 ppm	0.0045 ppm	0.3712 ppm
Concentration per Run 3	-0.0015 ppm	6.1249 ppm	0.8245 ppm	0.6352 ppm	2.4094 ppm	-0.0027 ppm	0.3748 ppm
Concentration RSD	137.2 %	0.9 %	1.8 %	1.0 %	0.8 %	217.2 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	15.2540 ppm	101.3346 %	105.0626 %	98.5080 %	106.1558 %	109.0851 %	103.8299 %
Concentration per Run 1	15.4008 ppm	100.3752 %	103.9203 %	98.2584 %	105.3583 %	108.1425 %	102.9544 %
Concentration per Run 2	15.0758 ppm	102.5187 %	105.9719 %	97.9406 %	107.1200 %	109.5189 %	103.8158 %
Concentration per Run 3	15.2855 ppm	101.1099 %	105.2957 %	99.3251 %	105.9892 %	109.5939 %	104.7194 %
Concentration RSD	1.1 %	1.1 %	1.0 %	0.7 %	0.8 %	0.7 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: I2556270-03D2 WG2112872
 Analysis started at: 9/17/2025 2:24:35 PM
 Rack: 1
 Vial: 55
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	129.0953 ppm	0.1231 ppm	0.0930 ppm	4.0275 ppm	0.0044 ppm	325.8992 ppm
Concentration per Run 1	0.0003 ppm	129.5828 ppm	0.1235 ppm	0.0941 ppm	4.0270 ppm	0.0044 ppm	327.2453 ppm
Concentration per Run 2	0.0003 ppm	128.3940 ppm	0.1230 ppm	0.0930 ppm	4.0165 ppm	0.0044 ppm	323.7709 ppm
Concentration per Run 3	0.0011 ppm	129.3090 ppm	0.1229 ppm	0.0918 ppm	4.0389 ppm	0.0044 ppm	326.6814 ppm
Concentration RSD	74.7 %	0.5 %	0.3 %	1.2 %	0.3 %	0.5 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.2295 ppm	0.1023 ppm	0.3872 ppm	2.9716 ppm	337.0861 ppm	11.1994 ppm	0.1052 ppm
Concentration per Run 1	0.2311 ppm	0.1031 ppm	0.3916 ppm	2.9859 ppm	337.1871 ppm	11.1832 ppm	0.1054 ppm
Concentration per Run 2	0.2277 ppm	0.1012 ppm	0.3858 ppm	2.9582 ppm	335.7936 ppm	11.1656 ppm	0.1053 ppm
Concentration per Run 3	0.2298 ppm	0.1026 ppm	0.3840 ppm	2.9708 ppm	338.2775 ppm	11.2495 ppm	0.1048 ppm
Concentration RSD	0.7 %	0.9 %	1.0 %	0.5 %	0.4 %	0.4 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	74.9601 ppm	3.3731 ppm	0.0149 ppm	6.6254 ppm	1.0746 ppm	10.9716 ppm	0.0281 ppm
Concentration per Run 1	75.4600 ppm	3.3881 ppm	0.0150 ppm	6.6139 ppm	1.0861 ppm	11.0183 ppm	0.0332 ppm
Concentration per Run 2	74.6255 ppm	3.3520 ppm	0.0154 ppm	6.6087 ppm	1.0694 ppm	10.8692 ppm	0.0223 ppm
Concentration per Run 3	74.7947 ppm	3.3793 ppm	0.0143 ppm	6.6536 ppm	1.0684 ppm	11.0272 ppm	0.0288 ppm
Concentration RSD	0.6 %	0.6 %	3.8 %	0.4 %	0.9 %	0.8 %	19.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0026 ppm	9.1588 ppm	0.4445 ppm	1.9945 ppm	2.7876 ppm	0.0032 ppm	0.2475 ppm
Concentration per Run 1	0.0035 ppm	9.1932 ppm	0.4486 ppm	1.9976 ppm	2.8175 ppm	-0.0038 ppm	0.2471 ppm
Concentration per Run 2	-0.0007 ppm	9.1118 ppm	0.4440 ppm	1.9822 ppm	2.7718 ppm	0.0094 ppm	0.2476 ppm
Concentration per Run 3	0.0051 ppm	9.1713 ppm	0.4407 ppm	2.0036 ppm	2.7736 ppm	0.0040 ppm	0.2478 ppm
Concentration RSD	113.0 %	0.5 %	0.9 %	0.6 %	0.9 %	207.9 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	23.4876 [SIC 50]	102.4510 %	104.8088 %	94.8318 %	110.6070 %	112.1052 %	105.1376 %
Concentration per Run 1	23.6849 ppm	101.4103 %	104.2625 %	94.6089 %	109.4304 %	111.9192 %	105.2996 %
Concentration per Run 2	23.3719 ppm	103.0210 %	105.8636 %	95.5739 %	110.8547 %	113.0041 %	105.3666 %
Concentration per Run 3	23.4058 ppm	102.9216 %	104.3002 %	94.3124 %	111.5357 %	111.3922 %	104.7465 %
Concentration RSD	0.7 %	0.9 %	0.9 %	0.7 %	1.0 %	0.7 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: I2556270-04D2 WG2112872
 Analysis started at: 9/17/2025 2:27:49 PM
 Rack: 1
 Vial: 56
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0128 ppm	60.2952 ppm	0.1426 ppm	0.4609 ppm	4.0234 ppm	0.0034 ppm	346.8019 ppm
Concentration per Run 1	0.0130 ppm	60.3263 ppm	0.1417 ppm	0.4677 ppm	4.0204 ppm	0.0033 ppm	345.6273 ppm
Concentration per Run 2	0.0125 ppm	60.0470 ppm	0.1483 ppm	0.4590 ppm	4.0126 ppm	0.0034 ppm	345.3473 ppm
Concentration per Run 3	0.0131 ppm	60.5122 ppm	0.1377 ppm	0.4561 ppm	4.0371 ppm	0.0035 ppm	349.4311 ppm
Concentration RSD	2.5 %	0.4 %	3.7 %	1.3 %	0.3 %	2.4 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0449 ppm	0.0865 ppm	0.3281 ppm	3.2333 ppm	259.4343 ppm	14.5560 ppm	0.0894 ppm
Concentration per Run 1	0.0454 ppm	0.0869 ppm	0.3295 ppm	3.2336 ppm	259.5122 ppm	14.5514 ppm	0.0899 ppm
Concentration per Run 2	0.0448 ppm	0.0876 ppm	0.3257 ppm	3.2368 ppm	258.1028 ppm	14.4942 ppm	0.0900 ppm
Concentration per Run 3	0.0445 ppm	0.0851 ppm	0.3292 ppm	3.2296 ppm	260.6878 ppm	14.6224 ppm	0.0884 ppm
Concentration RSD	1.0 %	1.5 %	0.7 %	0.1 %	0.5 %	0.4 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	49.8970 ppm	3.1172 ppm	0.0159 ppm	4.5711 ppm	0.4091 ppm	10.2402 ppm	0.0383 ppm
Concentration per Run 1	49.9204 ppm	3.1183 ppm	0.0152 ppm	4.5665 ppm	0.4095 ppm	10.3488 ppm	0.0349 ppm
Concentration per Run 2	49.8208 ppm	3.1001 ppm	0.0155 ppm	4.5256 ppm	0.4052 ppm	10.2390 ppm	0.0440 ppm
Concentration per Run 3	49.9500 ppm	3.1333 ppm	0.0170 ppm	4.6212 ppm	0.4125 ppm	10.1329 ppm	0.0361 ppm
Concentration RSD	0.1 %	0.5 %	6.0 %	1.0 %	0.9 %	1.1 %	13.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0059 ppm	6.8696 ppm	0.7085 ppm	1.2935 ppm	3.4047 ppm	0.0019 ppm	0.2792 ppm
Concentration per Run 1	0.0057 ppm	6.8750 ppm	0.7089 ppm	1.2887 ppm	3.4056 ppm	-0.0002 ppm	0.2802 ppm
Concentration per Run 2	0.0053 ppm	6.8475 ppm	0.7049 ppm	1.2900 ppm	3.4059 ppm	0.0049 ppm	0.2798 ppm
Concentration per Run 3	0.0068 ppm	6.8863 ppm	0.7119 ppm	1.3017 ppm	3.4028 ppm	0.0011 ppm	0.2775 ppm
Concentration RSD	13.4 %	0.3 %	0.5 %	0.6 %	0.1 %	136.9 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	14.6740 ppm	103.5986 %	104.1398 %	96.9319 %	113.6023 %	112.6822 %	108.0059 %
Concentration per Run 1	14.7164 ppm	102.6518 %	104.7168 %	95.9751 %	112.3385 %	112.5560 %	107.7007 %
Concentration per Run 2	14.6075 ppm	104.7067 %	104.4264 %	97.2279 %	115.0299 %	113.0623 %	107.9647 %
Concentration per Run 3	14.6982 ppm	103.4372 %	103.2762 %	97.5928 %	113.4385 %	112.4282 %	108.3522 %
Concentration RSD	0.4 %	1.0 %	0.7 %	0.9 %	1.2 %	0.3 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: I2556270-05D2 WG2112872
 Analysis started at: 9/17/2025 2:31:03 PM
 Rack: 1
 Vial: 57
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0063 ppm	50.4294 ppm	0.1146 ppm	0.0821 ppm	2.9629 ppm	0.0039 ppm	124.8922 ppm
Concentration per Run 1	0.0055 ppm	50.2940 ppm	0.1115 ppm	0.0846 ppm	2.9537 ppm	0.0040 ppm	125.0122 ppm
Concentration per Run 2	0.0060 ppm	50.8327 ppm	0.1156 ppm	0.0809 ppm	2.9830 ppm	0.0040 ppm	125.1134 ppm
Concentration per Run 3	0.0074 ppm	50.1617 ppm	0.1168 ppm	0.0808 ppm	2.9520 ppm	0.0039 ppm	124.5512 ppm
Concentration RSD	15.8 %	0.7 %	2.4 %	2.6 %	0.6 %	0.9 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0612 ppm	0.0566 ppm	0.2394 ppm	2.3579 ppm	290.6326 ppm	6.4233 ppm	0.0655 ppm
Concentration per Run 1	0.0615 ppm	0.0566 ppm	0.2434 ppm	2.3534 ppm	289.8988 ppm	6.4099 ppm	0.0664 ppm
Concentration per Run 2	0.0605 ppm	0.0566 ppm	0.2351 ppm	2.3606 ppm	292.2210 ppm	6.4458 ppm	0.0650 ppm
Concentration per Run 3	0.0615 ppm	0.0565 ppm	0.2396 ppm	2.3597 ppm	289.7778 ppm	6.4143 ppm	0.0649 ppm
Concentration RSD	0.9 %	0.1 %	1.7 %	0.2 %	0.5 %	0.3 %	1.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	20.2776 ppm	2.4902 ppm	0.0130 ppm	3.4800 ppm	0.3738 ppm	10.5914 ppm	0.0481 ppm
Concentration per Run 1	20.5794 ppm	2.4898 ppm	0.0135 ppm	3.4785 ppm	0.3774 ppm	10.5435 ppm	0.0430 ppm
Concentration per Run 2	20.0337 ppm	2.4938 ppm	0.0124 ppm	3.4914 ppm	0.3692 ppm	10.6796 ppm	0.0497 ppm
Concentration per Run 3	20.2197 ppm	2.4871 ppm	0.0133 ppm	3.4703 ppm	0.3747 ppm	10.5513 ppm	0.0515 ppm
Concentration RSD	1.4 %	0.1 %	4.7 %	0.3 %	1.1 %	0.7 %	9.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0035 ppm	9.0292 ppm	0.5881 ppm	0.5933 ppm	1.4957 ppm	0.0030 ppm	0.2008 ppm
Concentration per Run 1	0.0033 ppm	9.1146 ppm	0.5980 ppm	0.5898 ppm	1.5196 ppm	0.0016 ppm	0.2014 ppm
Concentration per Run 2	0.0032 ppm	8.9469 ppm	0.5795 ppm	0.5974 ppm	1.4748 ppm	0.0045 ppm	0.2002 ppm
Concentration per Run 3	0.0040 ppm	9.0260 ppm	0.5869 ppm	0.5925 ppm	1.4926 ppm	0.0030 ppm	0.2008 ppm
Concentration RSD	12.2 %	0.9 %	1.6 %	0.6 %	1.5 %	48.7 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	12.0590 ppm	102.7186 %	106.2904 %	98.3731 %	110.8151 %	112.3500 %	108.2756 %
Concentration per Run 1	12.2259 ppm	101.6905 %	107.5100 %	98.8146 %	110.2238 %	113.4787 %	108.2299 %
Concentration per Run 2	11.9071 ppm	102.8399 %	105.9381 %	97.6424 %	111.3200 %	111.9327 %	107.9797 %
Concentration per Run 3	12.0440 ppm	103.6253 %	105.4232 %	98.6622 %	110.9016 %	111.6385 %	108.6173 %
Concentration RSD	1.3 %	0.9 %	1.0 %	0.6 %	0.5 %	0.9 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: I2556270-06D2 WG2112872
 Analysis started at: 9/17/2025 2:34:18 PM
 Rack: 1
 Vial: 58
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0215 ppm	38.1205 ppm	0.1919 ppm	0.1877 ppm	3.3064 ppm	0.0093 ppm	91.5541 ppm
Concentration per Run 1	0.0217 ppm	38.3054 ppm	0.1915 ppm	0.1861 ppm	3.3283 ppm	0.0093 ppm	91.9084 ppm
Concentration per Run 2	0.0217 ppm	37.9250 ppm	0.1951 ppm	0.1852 ppm	3.2867 ppm	0.0092 ppm	91.0242 ppm
Concentration per Run 3	0.0211 ppm	38.1311 ppm	0.1892 ppm	0.1919 ppm	3.3041 ppm	0.0093 ppm	91.7298 ppm
Concentration RSD	1.9 %	0.5 %	1.6 %	1.9 %	0.6 %	0.5 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0291 ppm	0.0860 ppm	0.2537 ppm	3.3139 ppm	321.8666 ppm	5.7790 ppm	0.0493 ppm
Concentration per Run 1	0.0290 ppm	0.0863 ppm	0.2559 ppm	3.3226 ppm	323.3982 ppm	5.8146 ppm	0.0507 ppm
Concentration per Run 2	0.0293 ppm	0.0861 ppm	0.2531 ppm	3.2983 ppm	319.8772 ppm	5.7564 ppm	0.0495 ppm
Concentration per Run 3	0.0290 ppm	0.0856 ppm	0.2521 ppm	3.3209 ppm	322.3246 ppm	5.7661 ppm	0.0476 ppm
Concentration RSD	0.7 %	0.4 %	0.8 %	0.4 %	0.6 %	0.5 %	3.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	18.3695 ppm	2.1083 ppm	0.0208 ppm	3.0732 ppm	0.3300 ppm	17.5096 ppm	0.0645 ppm
Concentration per Run 1	18.4730 ppm	2.1117 ppm	0.0196 ppm	3.0894 ppm	0.3335 ppm	17.4115 ppm	0.0664 ppm
Concentration per Run 2	18.2427 ppm	2.0953 ppm	0.0206 ppm	3.0615 ppm	0.3287 ppm	17.6070 ppm	0.0699 ppm
Concentration per Run 3	18.3927 ppm	2.1179 ppm	0.0223 ppm	3.0688 ppm	0.3278 ppm	17.5104 ppm	0.0572 ppm
Concentration RSD	0.6 %	0.6 %	6.6 %	0.5 %	0.9 %	0.6 %	10.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0170 ppm	7.4792 ppm	1.1441 [SIC 20]	1.3286 ppm	1.5828 ppm	0.0036 ppm	0.1732 ppm
Concentration per Run 1	0.0171 ppm	7.5138 ppm	1.1524 ppm	1.3398 ppm	1.5881 ppm	0.0042 ppm	0.1741 ppm
Concentration per Run 2	0.0138 ppm	7.4123 ppm	1.1394 ppm	1.3185 ppm	1.5796 ppm	0.0032 ppm	0.1715 ppm
Concentration per Run 3	0.0200 ppm	7.5116 ppm	1.1405 ppm	1.3276 ppm	1.5806 ppm	0.0033 ppm	0.1740 ppm
Concentration RSD	18.2 %	0.8 %	0.6 %	0.8 %	0.3 %	16.0 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	13.1451 ppm	103.2347 %	105.7563 %	98.4853 %	111.6626 %	112.6914 %	108.5460 %
Concentration per Run 1	13.2525 ppm	102.9816 %	105.6059 %	98.4357 %	111.5689 %	112.7883 %	108.7532 %
Concentration per Run 2	13.0696 ppm	104.1127 %	106.3990 %	98.0223 %	112.6254 %	113.2022 %	107.8296 %
Concentration per Run 3	13.1132 ppm	102.6098 %	105.2642 %	98.9979 %	110.7935 %	112.0838 %	109.0550 %
Concentration RSD	0.7 %	0.8 %	0.6 %	0.5 %	0.8 %	0.5 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: I2556270-07D2 WG2112872
 Analysis started at: 9/17/2025 2:37:33 PM
 Rack: 1
 Vial: 59
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0096 ppm	42.5517 ppm	0.2238 ppm	0.0603 ppm	6.0550 ppm	0.0041 ppm	111.7304 ppm
Concentration per Run 1	0.0093 ppm	42.2844 ppm	0.2260 ppm	0.0613 ppm	6.0137 ppm	0.0041 ppm	111.1414 ppm
Concentration per Run 2	0.0101 ppm	42.9761 ppm	0.2223 ppm	0.0636 ppm	6.1042 ppm	0.0041 ppm	112.4527 ppm
Concentration per Run 3	0.0093 ppm	42.3945 ppm	0.2230 ppm	0.0559 ppm	6.0470 ppm	0.0041 ppm	111.5971 ppm
Concentration RSD	4.9 %	0.9 %	0.9 %	6.5 %	0.8 %	0.6 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.1271 ppm	0.0691 ppm	0.4013 ppm	3.6672 ppm	328.2600 ppm	4.9225 ppm	0.0621 ppm
Concentration per Run 1	0.1269 ppm	0.0686 ppm	0.3989 ppm	3.6552 ppm	327.6684 ppm	4.9025 ppm	0.0607 ppm
Concentration per Run 2	0.1274 ppm	0.0704 ppm	0.4038 ppm	3.7005 ppm	329.9245 ppm	4.9678 ppm	0.0642 ppm
Concentration per Run 3	0.1271 ppm	0.0684 ppm	0.4012 ppm	3.6460 ppm	327.1869 ppm	4.8974 ppm	0.0613 ppm
Concentration RSD	0.2 %	1.6 %	0.6 %	0.8 %	0.4 %	0.8 %	3.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	19.5780 ppm	2.5188 ppm	0.0233 ppm	2.1564 ppm	0.5394 ppm	18.5780 ppm	0.0567 ppm
Concentration per Run 1	19.5568 ppm	2.5031 ppm	0.0223 ppm	2.1466 ppm	0.5380 ppm	18.5503 ppm	0.0556 ppm
Concentration per Run 2	19.6596 ppm	2.5375 ppm	0.0237 ppm	2.1694 ppm	0.5436 ppm	18.5214 ppm	0.0625 ppm
Concentration per Run 3	19.5176 ppm	2.5158 ppm	0.0238 ppm	2.1531 ppm	0.5368 ppm	18.6624 ppm	0.0519 ppm
Concentration RSD	0.4 %	0.7 %	3.7 %	0.5 %	0.7 %	0.4 %	9.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0126 ppm	7.9368 ppm	0.6824 ppm	0.8711 ppm	1.7369 ppm	0.0053 ppm	0.3593 ppm
Concentration per Run 1	0.0161 ppm	7.9169 ppm	0.6789 ppm	0.8646 ppm	1.7295 ppm	0.0046 ppm	0.3582 ppm
Concentration per Run 2	0.0128 ppm	7.9670 ppm	0.6927 ppm	0.8769 ppm	1.7531 ppm	0.0063 ppm	0.3614 ppm
Concentration per Run 3	0.0089 ppm	7.9266 ppm	0.6757 ppm	0.8717 ppm	1.7279 ppm	0.0049 ppm	0.3584 ppm
Concentration RSD	28.7 %	0.3 %	1.3 %	0.7 %	0.8 %	17.7 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	15.1678 ppm	101.7179 %	106.3394 %	97.1119 %	109.5494 %	112.7129 %	107.0219 %
Concentration per Run 1	15.1093 ppm	102.3238 %	106.8137 %	97.2197 %	110.1376 %	113.1062 %	106.6905 %
Concentration per Run 2	15.3031 ppm	101.2706 %	105.5889 %	97.4731 %	108.9707 %	112.0788 %	107.6637 %
Concentration per Run 3	15.0911 ppm	101.5591 %	106.6155 %	96.6427 %	109.5401 %	112.9537 %	106.7113 %
Concentration RSD	0.8 %	0.5 %	0.6 %	0.4 %	0.5 %	0.5 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: el2556270-08D2 WG2112872
 Analysis started at: 9/17/2025 2:40:48 PM
 Rack: 1
 Vial: 60
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0077 ppm	44.4365 ppm	0.2573 ppm	0.0795 ppm	10.5061 [SIC 30]	0.0022 ppm	59.4250 ppm
Concentration per Run 1	0.0071 ppm	45.0378 ppm	0.2597 ppm	0.0795 ppm	10.6392 ppm	0.0022 ppm	60.3312 ppm
Concentration per Run 2	0.0076 ppm	43.9279 ppm	0.2573 ppm	0.0804 ppm	10.4137 ppm	0.0021 ppm	58.7224 ppm
Concentration per Run 3	0.0085 ppm	44.3438 ppm	0.2550 ppm	0.0785 ppm	10.4655 ppm	0.0021 ppm	59.2215 ppm
Concentration RSD	8.8 %	1.3 %	0.9 %	1.2 %	1.1 %	1.6 %	1.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0954 ppm	0.0602 ppm	0.2500 ppm	9.5156 ppm	410.9613 [SIC 700]	3.5972 ppm	0.0443 ppm
Concentration per Run 1	0.0963 ppm	0.0608 ppm	0.2495 ppm	9.5912 ppm	415.6053 ppm	3.6665 ppm	0.0452 ppm
Concentration per Run 2	0.0947 ppm	0.0609 ppm	0.2499 ppm	9.4356 ppm	407.2330 ppm	3.5580 ppm	0.0448 ppm
Concentration per Run 3	0.0951 ppm	0.0588 ppm	0.2506 ppm	9.5200 ppm	410.0457 ppm	3.5671 ppm	0.0429 ppm
Concentration RSD	0.9 %	2.0 %	0.2 %	0.8 %	1.0 %	1.7 %	2.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	22.1631 ppm	2.4776 ppm	0.0188 ppm	1.9318 ppm	0.4233 ppm	39.3441 ppm	0.0749 ppm
Concentration per Run 1	22.3319 ppm	2.5237 ppm	0.0187 ppm	1.9511 ppm	0.4278 ppm	39.3143 ppm	0.0764 ppm
Concentration per Run 2	21.9899 ppm	2.4513 ppm	0.0193 ppm	1.9303 ppm	0.4213 ppm	39.4036 ppm	0.0720 ppm
Concentration per Run 3	22.1673 ppm	2.4578 ppm	0.0184 ppm	1.9139 ppm	0.4208 ppm	39.3143 ppm	0.0762 ppm
Concentration RSD	0.8 %	1.6 %	2.6 %	1.0 %	0.9 %	0.1 %	3.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0037 ppm	12.4936 ppm	0.5422 ppm	0.4791 ppm	1.0925 ppm	0.0012 ppm	0.1768 ppm
Concentration per Run 1	0.0057 ppm	12.5303 ppm	0.5500 ppm	0.4865 ppm	1.0964 ppm	0.0003 ppm	0.1788 ppm
Concentration per Run 2	0.0023 ppm	12.4103 ppm	0.5375 ppm	0.4741 ppm	1.0874 ppm	0.0005 ppm	0.1753 ppm
Concentration per Run 3	0.0030 ppm	12.5402 ppm	0.5391 ppm	0.4767 ppm	1.0937 ppm	0.0029 ppm	0.1763 ppm
Concentration RSD	50.2 %	0.6 %	1.2 %	1.4 %	0.4 %	118.4 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	53.5707 [SIC 50]	103.2666 %	103.6055 %	96.5470 %	108.0682 %	108.7817 %	104.5768 %
Concentration per Run 1	54.2251 ppm	102.3171 %	101.0534 %	96.9504 %	107.2070 %	106.8887 %	104.8537 %
Concentration per Run 2	53.2124 ppm	103.3393 %	105.2343 %	95.7293 %	108.2331 %	110.0370 %	104.0253 %
Concentration per Run 3	53.2744 ppm	104.1433 %	104.5288 %	96.9612 %	108.7646 %	109.4193 %	104.8513 %
Concentration RSD	1.1 %	0.9 %	2.2 %	0.7 %	0.7 %	1.5 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: I2556270-01D20 WG2112872
 Analysis started at: 9/17/2025 2:44:03 PM
 Rack: 2
 Vial: 1
 Comment: rr Zn

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0049 ppm	4.2844 ppm	0.0194 ppm	0.0130 ppm	0.6286 ppm	0.0003 ppm	18.5279 ppm
Concentration per Run 1	0.0049 ppm	4.2802 ppm	0.0167 ppm	0.0149 ppm	0.6270 ppm	0.0003 ppm	18.4608 ppm
Concentration per Run 2	0.0043 ppm	4.2704 ppm	0.0215 ppm	0.0097 ppm	0.6262 ppm	0.0003 ppm	18.4664 ppm
Concentration per Run 3	0.0054 ppm	4.3026 ppm	0.0199 ppm	0.0144 ppm	0.6328 ppm	0.0002 ppm	18.6564 ppm
Concentration RSD	11.8 %	0.4 %	12.6 %	22.1 %	0.6 %	13.7 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0055 ppm	0.0056 ppm	0.0488 ppm	0.3539 ppm	27.2867 ppm	0.6734 ppm	0.0057 ppm
Concentration per Run 1	0.0058 ppm	0.0051 ppm	0.0476 ppm	0.3567 ppm	27.2774 ppm	0.6794 ppm	0.0053 ppm
Concentration per Run 2	0.0052 ppm	0.0066 ppm	0.0483 ppm	0.3505 ppm	27.2187 ppm	0.6777 ppm	0.0058 ppm
Concentration per Run 3	0.0055 ppm	0.0052 ppm	0.0503 ppm	0.3545 ppm	27.3639 ppm	0.6632 ppm	0.0060 ppm
Concentration RSD	5.7 %	14.6 %	2.9 %	0.9 %	0.3 %	1.3 %	6.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.5743 ppm	0.2875 ppm	0.0021 ppm	0.2028 ppm	0.0414 ppm	1.4323 ppm	0.0053 ppm
Concentration per Run 1	3.5934 ppm	0.2862 ppm	0.0019 ppm	0.2028 ppm	0.0395 ppm	1.4467 ppm	0.0006 ppm
Concentration per Run 2	3.5703 ppm	0.2871 ppm	0.0027 ppm	0.2045 ppm	0.0432 ppm	1.4198 ppm	0.0057 ppm
Concentration per Run 3	3.5592 ppm	0.2891 ppm	0.0017 ppm	0.2011 ppm	0.0417 ppm	1.4304 ppm	0.0095 ppm
Concentration RSD	0.5 %	0.5 %	26.8 %	0.8 %	4.5 %	0.9 %	85.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0003 ppm	0.8885 ppm	0.0744 ppm	0.0766 ppm	0.1763 ppm	0.0024 ppm	0.0240 ppm
Concentration per Run 1	-0.0028 ppm	0.8987 ppm	0.0761 ppm	0.0764 ppm	0.1773 ppm	0.0037 ppm	0.0242 ppm
Concentration per Run 2	-0.0002 ppm	0.8831 ppm	0.0709 ppm	0.0763 ppm	0.1753 ppm	0.0014 ppm	0.0237 ppm
Concentration per Run 3	0.0021 ppm	0.8836 ppm	0.0762 ppm	0.0770 ppm	0.1763 ppm	0.0020 ppm	0.0242 ppm
Concentration RSD	840.4 %	1.0 %	4.1 %	0.5 %	0.6 %	51.8 %	1.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	3.2983 ppm	102.5343 %	104.7821 %	99.4067 %	102.8290 %	104.3301 %	100.6524 %
Concentration per Run 1	3.3190 ppm	102.0487 %	106.2066 %	98.3816 %	102.3550 %	105.6313 %	100.2523 %
Concentration per Run 2	3.2959 ppm	102.4603 %	104.7446 %	99.5463 %	102.5682 %	104.1332 %	100.5909 %
Concentration per Run 3	3.2799 ppm	103.0939 %	103.3950 %	100.2921 %	103.5637 %	103.2258 %	101.1141 %
Concentration RSD	0.6 %	0.5 %	1.3 %	1.0 %	0.6 %	1.2 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: I2556270-03D20 WG2112872
 Analysis started at: 9/17/2025 2:47:18 PM
 Rack: 2
 Vial: 2
 Comment: rr Zn

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	12.9381 ppm	0.0110 ppm	0.0097 ppm	0.4055 ppm	0.0005 ppm	34.3489 ppm
Concentration per Run 1	0.0020 ppm	12.9449 ppm	0.0103 ppm	0.0103 ppm	0.4053 ppm	0.0006 ppm	34.2097 ppm
Concentration per Run 2	0.0011 ppm	12.9002 ppm	0.0116 ppm	0.0089 ppm	0.4050 ppm	0.0005 ppm	34.3386 ppm
Concentration per Run 3	0.0012 ppm	12.9693 ppm	0.0112 ppm	0.0098 ppm	0.4062 ppm	0.0004 ppm	34.4985 ppm
Concentration RSD	34.7 %	0.3 %	6.1 %	7.2 %	0.1 %	11.7 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0236 ppm	0.0088 ppm	0.0386 ppm	0.2669 ppm	37.1299 ppm	1.1437 ppm	0.0112 ppm
Concentration per Run 1	0.0236 ppm	0.0087 ppm	0.0383 ppm	0.2661 ppm	37.0051 ppm	1.1425 ppm	0.0119 ppm
Concentration per Run 2	0.0237 ppm	0.0091 ppm	0.0385 ppm	0.2691 ppm	37.2413 ppm	1.1529 ppm	0.0113 ppm
Concentration per Run 3	0.0235 ppm	0.0087 ppm	0.0390 ppm	0.2656 ppm	37.1432 ppm	1.1356 ppm	0.0103 ppm
Concentration RSD	0.4 %	2.9 %	0.9 %	0.7 %	0.3 %	0.8 %	7.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	7.5475 ppm	0.3494 ppm	0.0012 ppm	0.6439 ppm	0.1090 ppm	1.0725 ppm	-0.0039 ppm
Concentration per Run 1	7.4629 ppm	0.3478 ppm	0.0018 ppm	0.6517 ppm	0.1081 ppm	1.0712 ppm	0.0004 ppm
Concentration per Run 2	7.6566 ppm	0.3489 ppm	0.0005 ppm	0.6418 ppm	0.1118 ppm	1.0713 ppm	-0.0114 ppm
Concentration per Run 3	7.5231 ppm	0.3513 ppm	0.0011 ppm	0.6382 ppm	0.1072 ppm	1.0749 ppm	-0.0006 ppm
Concentration RSD	1.3 %	0.5 %	55.5 %	1.1 %	2.3 %	0.2 %	168.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0029 ppm	0.9001 ppm	0.0436 ppm	0.2035 ppm	0.2745 ppm	0.0021 ppm	0.0235 ppm
Concentration per Run 1	-0.0064 ppm	0.8905 ppm	0.0441 ppm	0.2034 ppm	0.2715 ppm	0.0019 ppm	0.0231 ppm
Concentration per Run 2	0.0020 ppm	0.9107 ppm	0.0447 ppm	0.2037 ppm	0.2784 ppm	0.0016 ppm	0.0237 ppm
Concentration per Run 3	-0.0043 ppm	0.8992 ppm	0.0418 ppm	0.2034 ppm	0.2736 ppm	0.0028 ppm	0.0239 ppm
Concentration RSD	150.2 %	1.1 %	3.5 %	0.1 %	1.3 %	30.2 %	1.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	2.5833 ppm	102.1194 %	103.8526 %	98.4875 %	101.9494 %	103.3418 %	99.5010 %
Concentration per Run 1	2.5435 ppm	103.9039 %	104.8746 %	99.2442 %	102.7286 %	104.4758 %	99.7523 %
Concentration per Run 2	2.6276 ppm	100.1103 %	103.5578 %	97.8262 %	100.9534 %	102.7927 %	98.7230 %
Concentration per Run 3	2.5788 ppm	102.3441 %	103.1254 %	98.3922 %	102.1663 %	102.7570 %	100.0277 %
Concentration RSD	1.6 %	1.9 %	0.9 %	0.7 %	0.9 %	1.0 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
Analysis started at: 9/17/2025 2:50:32 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5090 ppm	0.5329 ppm	0.5092 ppm	0.5195 ppm	0.5205 ppm	0.5342 ppm	0.5189 ppm
Concentration per Run 1	0.5104 ppm	0.5232 ppm	0.5095 ppm	0.5240 ppm	0.5219 ppm	0.5350 ppm	0.5201 ppm
Concentration per Run 2	0.5060 ppm	0.5330 ppm	0.5096 ppm	0.5142 ppm	0.5230 ppm	0.5376 ppm	0.5207 ppm
Concentration per Run 3	0.5105 ppm	0.5424 ppm	0.5085 ppm	0.5202 ppm	0.5166 ppm	0.5300 ppm	0.5159 ppm
Recovery Percentage 1	101.792 %	106.574 %	101.840 %	103.892 %	104.094 %	106.842 %	103.780 %
Concentration RSD	0.5 %	1.8 %	0.1 %	1.0 %	0.7 %	0.7 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5228 ppm	0.5273 ppm	0.5266 ppm	0.5149 ppm	0.5326 ppm	5.4757 ppm	0.5374 ppm
Concentration per Run 1	0.5222 ppm	0.5288 ppm	0.5289 ppm	0.5130 ppm	0.5322 ppm	5.4854 ppm	0.5404 ppm
Concentration per Run 2	0.5215 ppm	0.5259 ppm	0.5231 ppm	0.5155 ppm	0.5335 ppm	5.4962 ppm	0.5373 ppm
Concentration per Run 3	0.5249 ppm	0.5272 ppm	0.5277 ppm	0.5162 ppm	0.5320 ppm	5.4455 ppm	0.5344 ppm
Recovery Percentage 1	104.569 %	105.462 %	105.315 %	102.976 %	106.515 %	109.514 %	107.478 %
Concentration RSD	0.3 %	0.3 %	0.6 %	0.3 %	0.2 %	0.5 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4998 ppm	0.5281 ppm	0.5210 ppm	10.6251 ppm	0.5352 ppm	0.5253 ppm	0.5260 ppm
Concentration per Run 1	0.5022 ppm	0.5256 ppm	0.5170 ppm	10.7038 ppm	0.5406 ppm	0.5301 ppm	0.5295 ppm
Concentration per Run 2	0.4924 ppm	0.5302 ppm	0.5190 ppm	10.6500 ppm	0.5306 ppm	0.5219 ppm	0.5187 ppm
Concentration per Run 3	0.5048 ppm	0.5285 ppm	0.5271 ppm	10.5215 ppm	0.5343 ppm	0.5239 ppm	0.5297 ppm
Recovery Percentage 1	99.962 %	105.619 %	104.207 %	106.251 %	107.037 %	105.059 %	105.192 %
Concentration RSD	1.3 %	0.4 %	1.0 %	0.9 %	0.9 %	0.8 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.5107 ppm	5.5767 ppm	0.5251 ppm	0.5238 ppm	0.5126 ppm	0.5189 ppm	0.5264 ppm
Concentration per Run 1	0.5105 ppm	5.5831 ppm	0.5253 ppm	0.5226 ppm	0.5134 ppm	0.5194 ppm	0.5279 ppm
Concentration per Run 2	0.5087 ppm	5.5223 ppm	0.5233 ppm	0.5269 ppm	0.5108 ppm	0.5180 ppm	0.5231 ppm
Concentration per Run 3	0.5128 ppm	5.6246 ppm	0.5269 ppm	0.5217 ppm	0.5135 ppm	0.5194 ppm	0.5280 ppm
Recovery Percentage 1	102.140 %	106.223 %	105.029 %	104.751 %	102.514 %	103.789 %	105.270 %
Concentration RSD	0.4 %	0.9 %	0.3 %	0.5 %	0.3 %	0.2 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5345 ppm	101.1103 %	103.2942 %	99.9366 %	101.2405 %	101.4542 %	99.6877 %
Concentration per Run 1	0.5399 ppm	100.1671 %	102.2630 %	100.1264 %	100.6562 %	99.3763 %	99.9864 %
Concentration per Run 2	0.5297 ppm	102.2233 %	103.3087 %	99.6674 %	101.8866 %	101.8794 %	99.3448 %
Concentration per Run 3	0.5338 ppm	100.9403 %	104.3110 %	100.0159 %	101.1786 %	103.1068 %	99.7320 %
Recovery Percentage 1	106.891 %						
Concentration RSD	1.0 %	1.0 %	1.0 %	0.2 %	0.6 %	1.9 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 2:53:47 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	0.0202 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0007 ppm
Concentration per Run 1	0.0005 ppm	0.0321 ppm	0.0026 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	-0.0058 ppm
Concentration per Run 2	0.0008 ppm	0.0167 ppm	-0.0021 ppm	0.0008 ppm	0.0000 ppm	0.0002 ppm	0.0027 ppm
Concentration per Run 3	0.0012 ppm	0.0119 ppm	0.0005 ppm	-0.0014 ppm	0.0002 ppm	0.0001 ppm	0.0011 ppm
Recovery Percentage 1	11.904 %	20.222 %	6.288 %	0.036 %	0.894 %	3.495 %	-0.673 %
Concentration RSD	41.7 %	52.3 %	757.9 %	11,071.0 %	112.8 %	29.1 %	675.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	0.0004 ppm	-0.0004 ppm	0.0009 ppm	0.0020 ppm	0.0627 ppm	0.0003 ppm
Concentration per Run 1	-0.0002 ppm	0.0020 ppm	-0.0013 ppm	0.0005 ppm	0.0031 ppm	0.0756 ppm	-0.0001 ppm
Concentration per Run 2	-0.0001 ppm	-0.0010 ppm	-0.0001 ppm	0.0004 ppm	0.0026 ppm	0.0637 ppm	0.0008 ppm
Concentration per Run 3	-0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0017 ppm	0.0002 ppm	0.0486 ppm	0.0001 ppm
Recovery Percentage 1	-3.628 %	1.923 %	-4.434 %	9.051 %	3.935 %	2.506 %	5.050 %
Concentration RSD	50.9 %	396.4 %	170.7 %	80.6 %	79.4 %	21.6 %	178.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0108 ppm	0.0001 ppm	0.0032 ppm	0.0034 ppm	0.0004 ppm	-0.0024 ppm	0.0035 ppm
Concentration per Run 1	-0.0119 ppm	0.0001 ppm	0.0035 ppm	0.0006 ppm	0.0029 ppm	-0.0011 ppm	0.0007 ppm
Concentration per Run 2	-0.0081 ppm	0.0001 ppm	0.0032 ppm	0.0054 ppm	-0.0014 ppm	-0.0024 ppm	0.0019 ppm
Concentration per Run 3	-0.0122 ppm	0.0002 ppm	0.0027 ppm	0.0043 ppm	-0.0002 ppm	-0.0036 ppm	0.0078 ppm
Recovery Percentage 1	-10.751 %	1.437 %	6.311 %	0.172 %	1.728 %	-23.611 %	6.905 %
Concentration RSD	21.2 %	67.7 %	12.2 %	73.0 %	504.4 %	53.8 %	110.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0032 ppm	-0.0038 ppm	0.0020 ppm	0.0000 ppm	-0.0021 ppm	0.0024 ppm	-0.0015 ppm
Concentration per Run 1	-0.0044 ppm	-0.0033 ppm	0.0031 ppm	0.0001 ppm	-0.0019 ppm	0.0038 ppm	-0.0020 ppm
Concentration per Run 2	-0.0053 ppm	-0.0053 ppm	0.0005 ppm	0.0001 ppm	-0.0018 ppm	0.0015 ppm	-0.0016 ppm
Concentration per Run 3	0.0000 ppm	-0.0027 ppm	0.0023 ppm	0.0000 ppm	-0.0025 ppm	0.0019 ppm	-0.0009 ppm
Recovery Percentage 1	-32.142 %	-0.756 %	3.944 %	0.406 %	-20.839 %	12.003 %	-15.031 %
Concentration RSD	88.0 %	36.2 %	68.2 %	139.1 %	19.2 %	50.9 %	39.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	98.7153 %	102.6025 %	100.2087 %	100.4324 %	102.3504 %	101.0151 %
Concentration per Run 1	-0.0003 ppm	97.3367 %	102.1482 %	101.1335 %	99.4439 %	102.3667 %	101.6200 %
Concentration per Run 2	0.0000 ppm	100.0686 %	103.6862 %	98.9374 %	100.9976 %	103.3433 %	100.5870 %
Concentration per Run 3	0.0002 ppm	98.7407 %	101.9731 %	100.5552 %	100.8558 %	101.3412 %	100.8382 %
Recovery Percentage 1	0.104 %						
Concentration RSD	4.872.4 %	1.4 %	0.9 %	1.1 %	0.9 %	1.0 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115624-1 WG2115624
 Analysis started at: 9/17/2025 3:25:01 PM
 Rack: 2
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0019 ppm	0.0314 ppm	0.0022 ppm	0.0023 ppm	0.0003 ppm	0.0000 ppm	0.0317 ppm
Concentration per Run 1	0.0014 ppm	0.0362 ppm	0.0041 ppm	0.0037 ppm	0.0002 ppm	0.0000 ppm	0.0292 ppm
Concentration per Run 2	0.0019 ppm	0.0238 ppm	-0.0009 ppm	0.0041 ppm	0.0005 ppm	0.0000 ppm	0.0350 ppm
Concentration per Run 3	0.0023 ppm	0.0341 ppm	0.0034 ppm	-0.0010 ppm	0.0004 ppm	-0.0001 ppm	0.0308 ppm
Recovery Percentage 1	26.966 %	31.394 %	44.109 %	7.688 %	3.373 %	-0.908 %	31.671 %
Concentration RSD	23.2 %	21.1 %	124.3 %	122.7 %	46.0 %	91.1 %	9.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0015 ppm	-0.0010 ppm	0.0012 ppm	0.0388 ppm	0.1209 ppm	0.0011 ppm
Concentration per Run 1	-0.0002 ppm	-0.0027 ppm	0.0002 ppm	0.0023 ppm	0.0415 ppm	0.1035 ppm	-0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0011 ppm	0.0007 ppm	0.0366 ppm	0.1416 ppm	0.0019 ppm
Concentration per Run 3	0.0001 ppm	-0.0017 ppm	-0.0019 ppm	0.0005 ppm	0.0383 ppm	0.1174 ppm	0.0017 ppm
Recovery Percentage 1	-0.725 %	-7.448 %	-9.510 %	11.540 %	77.561 %	4.834 %	22.402 %
Concentration RSD	319.4 %	92.1 %	109.2 %	83.8 %	6.4 %	16.0 %	111.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0046 ppm	0.0020 ppm	-0.0003 ppm	0.0192 ppm	0.0012 ppm	-0.0053 ppm	0.0010 ppm
Concentration per Run 1	-0.0069 ppm	0.0022 ppm	0.0001 ppm	0.0182 ppm	0.0003 ppm	-0.0057 ppm	-0.0001 ppm
Concentration per Run 2	-0.0015 ppm	0.0021 ppm	-0.0002 ppm	0.0224 ppm	0.0024 ppm	-0.0038 ppm	0.0029 ppm
Concentration per Run 3	-0.0056 ppm	0.0018 ppm	-0.0009 ppm	0.0170 ppm	0.0008 ppm	-0.0062 ppm	0.0001 ppm
Recovery Percentage 1	-4.643 %	20.053 %	-0.609 %	0.960 %	4.636 %	-52.524 %	1.915 %
Concentration RSD	61.0 %	10.6 %	167.8 %	14.9 %	92.7 %	23.7 %	177.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0023 ppm	0.0242 ppm	0.0125 ppm	0.0001 ppm	-0.0024 ppm	0.0004 ppm	-0.0009 ppm
Concentration per Run 1	-0.0033 ppm	0.0249 ppm	0.0120 ppm	0.0000 ppm	-0.0027 ppm	0.0025 ppm	-0.0012 ppm
Concentration per Run 2	-0.0009 ppm	0.0248 ppm	0.0136 ppm	0.0001 ppm	-0.0026 ppm	-0.0010 ppm	-0.0006 ppm
Concentration per Run 3	-0.0027 ppm	0.0229 ppm	0.0119 ppm	0.0001 ppm	-0.0019 ppm	-0.0003 ppm	-0.0009 ppm
Recovery Percentage 1	-22.794 %	4.843 %	25.012 %	0.745 %	-24.274 %	2.068 %	-8.837 %
Concentration RSD	55.3 %	4.6 %	7.9 %	55.2 %	17.3 %	443.0 %	33.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0025 ppm	97.8978 %	102.7090 %	97.5575 %	99.1016 %	101.8782 %	97.8075 %
Concentration per Run 1	0.0025 ppm	98.0681 %	102.9754 %	98.0102 %	98.9565 %	102.0939 %	97.7397 %
Concentration per Run 2	0.0026 ppm	97.4644 %	102.1177 %	97.2817 %	98.5165 %	101.5340 %	98.3595 %
Concentration per Run 3	0.0024 ppm	98.1609 %	103.0340 %	97.3807 %	99.8318 %	102.0067 %	97.3233 %
Recovery Percentage 1	50.184 %						
Concentration RSD	3.8 %	0.4 %	0.5 %	0.4 %	0.7 %	0.3 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115624-2D2 WG2115624
 Analysis started at: 9/17/2025 3:28:29 PM
 Rack: 2
 Vial: 5
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0527 ppm	2.1308 ppm	0.1274 ppm	1.0438 ppm	2.0582 ppm	0.0526 ppm	10.6134 ppm
Concentration per Run 1	0.0529 ppm	2.1211 ppm	0.1260 ppm	1.0446 ppm	2.0370 ppm	0.0523 ppm	10.5365 ppm
Concentration per Run 2	0.0527 ppm	2.1532 ppm	0.1307 ppm	1.0565 ppm	2.0906 ppm	0.0530 ppm	10.7313 ppm
Concentration per Run 3	0.0525 ppm	2.1182 ppm	0.1255 ppm	1.0303 ppm	2.0469 ppm	0.0524 ppm	10.5725 ppm
Concentration RSD	0.3 %	0.9 %	2.2 %	1.3 %	1.4 %	0.6 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0539 ppm	0.5045 ppm	0.2039 ppm	0.2519 ppm	1.0510 ppm	10.8763 ppm	0.0002 ppm
Concentration per Run 1	0.0538 ppm	0.5042 ppm	0.2046 ppm	0.2508 ppm	1.0428 ppm	10.7407 ppm	0.0009 ppm
Concentration per Run 2	0.0540 ppm	0.5066 ppm	0.2058 ppm	0.2523 ppm	1.0647 ppm	11.0711 ppm	-0.0003 ppm
Concentration per Run 3	0.0539 ppm	0.5028 ppm	0.2014 ppm	0.2527 ppm	1.0454 ppm	10.8170 ppm	0.0001 ppm
Concentration RSD	0.2 %	0.4 %	1.1 %	0.4 %	1.1 %	1.6 %	260.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.2237 ppm	0.5119 ppm	1.0492 ppm	10.7007 ppm	0.5145 ppm	0.5443 ppm	0.5201 ppm
Concentration per Run 1	10.2182 ppm	0.5097 ppm	1.0550 ppm	10.5795 ppm	0.5178 ppm	0.5478 ppm	0.5287 ppm
Concentration per Run 2	10.3125 ppm	0.5167 ppm	1.0506 ppm	10.8307 ppm	0.5186 ppm	0.5483 ppm	0.5253 ppm
Concentration per Run 3	10.1403 ppm	0.5092 ppm	1.0419 ppm	10.6918 ppm	0.5071 ppm	0.5367 ppm	0.5062 ppm
Concentration RSD	0.8 %	0.8 %	0.6 %	1.2 %	1.3 %	1.2 %	2.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1228 ppm	0.9875 ppm	1.0223 [SIC 20]	1.0228 ppm	1.0240 ppm	0.1267 ppm	0.5244 ppm
Concentration per Run 1	0.1218 ppm	0.9823 ppm	1.0317 ppm	1.0131 ppm	1.0251 ppm	0.1238 ppm	0.5229 ppm
Concentration per Run 2	0.1232 ppm	0.9961 ppm	1.0263 ppm	1.0392 ppm	1.0349 ppm	0.1263 ppm	0.5267 ppm
Concentration per Run 3	0.1234 ppm	0.9840 ppm	1.0089 ppm	1.0161 ppm	1.0120 ppm	0.1300 ppm	0.5235 ppm
Concentration RSD	0.7 %	0.8 %	1.2 %	1.4 %	1.1 %	2.4 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5190 ppm	101.9531 %	105.3234 %	100.8484 %	102.3864 %	103.9465 %	100.3120 %
Concentration per Run 1	0.5234 ppm	101.3863 %	106.5363 %	101.0479 %	102.5907 %	104.8298 %	100.2161 %
Concentration per Run 2	0.5202 ppm	100.8684 %	103.6793 %	100.4306 %	100.7759 %	102.8167 %	100.3543 %
Concentration per Run 3	0.5133 ppm	103.6047 %	105.7547 %	101.0667 %	103.7926 %	104.1930 %	100.3654 %
Concentration RSD	1.0 %	1.4 %	1.4 %	0.4 %	1.5 %	1.0 %	0.1 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2555943-02D10 WG2112933
 Analysis started at: 9/17/2025 3:31:43 PM
 Rack: 2
 Vial: 11
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	23.4340 ppm	0.0110 ppm	0.0117 ppm	0.1914 ppm	0.0013 ppm	149.8740 ppm
Concentration per Run 1	0.0016 ppm	23.4042 ppm	0.0128 ppm	0.0122 ppm	0.1920 ppm	0.0013 ppm	148.5474 ppm
Concentration per Run 2	0.0008 ppm	23.5758 ppm	0.0073 ppm	0.0131 ppm	0.1912 ppm	0.0013 ppm	150.8535 ppm
Concentration per Run 3	0.0007 ppm	23.3220 ppm	0.0129 ppm	0.0099 ppm	0.1910 ppm	0.0013 ppm	150.2210 ppm
Concentration RSD	50.2 %	0.6 %	29.3 %	14.0 %	0.3 %	0.6 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0009 ppm	0.0207 ppm	0.0335 ppm	0.0463 ppm	47.6393 ppm	2.2502 ppm	0.0458 ppm
Concentration per Run 1	-0.0007 ppm	0.0206 ppm	0.0331 ppm	0.0462 ppm	48.1692 ppm	2.2680 ppm	0.0459 ppm
Concentration per Run 2	-0.0010 ppm	0.0215 ppm	0.0334 ppm	0.0461 ppm	47.8213 ppm	2.2511 ppm	0.0457 ppm
Concentration per Run 3	-0.0010 ppm	0.0199 ppm	0.0340 ppm	0.0464 ppm	46.9273 ppm	2.2314 ppm	0.0460 ppm
Concentration RSD	15.5 %	3.9 %	1.4 %	0.3 %	1.3 %	0.8 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	40.9216 ppm	1.4535 ppm	0.0030 ppm	0.3638 ppm	0.0504 ppm	0.0210 ppm	-0.0005 ppm
Concentration per Run 1	41.0116 ppm	1.4532 ppm	0.0040 ppm	0.3661 ppm	0.0511 ppm	0.0205 ppm	-0.0040 ppm
Concentration per Run 2	40.9324 ppm	1.4634 ppm	0.0029 ppm	0.3632 ppm	0.0511 ppm	0.0218 ppm	0.0038 ppm
Concentration per Run 3	40.8207 ppm	1.4438 ppm	0.0021 ppm	0.3621 ppm	0.0490 ppm	0.0207 ppm	-0.0012 ppm
Concentration RSD	0.2 %	0.7 %	31.7 %	0.6 %	2.4 %	3.3 %	819.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0041 ppm	2.9047 ppm	0.0033 ppm	0.2382 ppm	0.2573 ppm	0.0033 ppm	0.0465 ppm
Concentration per Run 1	-0.0031 ppm	2.8912 ppm	0.0043 ppm	0.2391 ppm	0.2578 ppm	0.0006 ppm	0.0469 ppm
Concentration per Run 2	-0.0054 ppm	2.9136 ppm	0.0033 ppm	0.2386 ppm	0.2574 ppm	0.0041 ppm	0.0464 ppm
Concentration per Run 3	-0.0038 ppm	2.9093 ppm	0.0025 ppm	0.2369 ppm	0.2569 ppm	0.0052 ppm	0.0463 ppm
Concentration RSD	28.6 %	0.4 %	27.0 %	0.5 %	0.2 %	72.9 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1400 ppm	103.5399 %	104.9414 %	100.6294 %	110.1389 %	109.6770 %	107.2436 %
Concentration per Run 1	0.1408 ppm	103.1453 %	105.1055 %	101.2978 %	109.7912 %	109.2952 %	107.4319 %
Concentration per Run 2	0.1404 ppm	103.6662 %	104.1703 %	99.9790 %	110.5245 %	109.2361 %	106.9188 %
Concentration per Run 3	0.1388 ppm	103.8082 %	105.5486 %	100.6114 %	110.1011 %	110.4995 %	107.3801 %
Concentration RSD	0.7 %	0.3 %	0.7 %	0.7 %	0.3 %	0.7 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2555943-03D2 WG2112933
 Analysis started at: 9/17/2025 3:34:58 PM
 Rack: 2
 Vial: 12
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	148.3582 ppm	0.0746 ppm	0.0352 ppm	1.7698 ppm	0.0088 ppm	43.0631 ppm
Concentration per Run 1	0.0010 ppm	149.1557 ppm	0.0750 ppm	0.0366 ppm	1.7680 ppm	0.0088 ppm	43.1520 ppm
Concentration per Run 2	0.0003 ppm	147.3285 ppm	0.0737 ppm	0.0371 ppm	1.7626 ppm	0.0088 ppm	42.8113 ppm
Concentration per Run 3	0.0016 ppm	148.5904 ppm	0.0750 ppm	0.0319 ppm	1.7789 ppm	0.0088 ppm	43.2261 ppm
Concentration RSD	69.5 %	0.6 %	1.0 %	8.1 %	0.5 %	0.1 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	0.1445 ppm	0.2033 ppm	0.2677 ppm	262.0993 ppm	7.9538 ppm	0.2128 ppm
Concentration per Run 1	0.0002 ppm	0.1448 ppm	0.2050 ppm	0.2701 ppm	261.7852 ppm	7.8836 ppm	0.2115 ppm
Concentration per Run 2	0.0001 ppm	0.1424 ppm	0.2017 ppm	0.2669 ppm	261.9920 ppm	7.9983 ppm	0.2129 ppm
Concentration per Run 3	0.0004 ppm	0.1462 ppm	0.2031 ppm	0.2660 ppm	262.5208 ppm	7.9794 ppm	0.2138 ppm
Concentration RSD	51.4 %	1.3 %	0.8 %	0.8 %	0.1 %	0.8 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	60.2404 ppm	7.2564 ppm	0.0016 ppm	13.5173 ppm	0.2976 ppm	0.1308 ppm	-0.0143 ppm
Concentration per Run 1	60.8464 ppm	7.2910 ppm	0.0014 ppm	13.4301 ppm	0.3026 ppm	0.1326 ppm	-0.0159 ppm
Concentration per Run 2	59.6908 ppm	7.1985 ppm	0.0010 ppm	13.5705 ppm	0.2951 ppm	0.1315 ppm	-0.0133 ppm
Concentration per Run 3	60.1841 ppm	7.2798 ppm	0.0024 ppm	13.5514 ppm	0.2951 ppm	0.1283 ppm	-0.0137 ppm
Concentration RSD	1.0 %	0.7 %	44.0 %	0.6 %	1.5 %	1.7 %	9.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0056 ppm	4.2755 ppm	0.0081 ppm	0.2923 ppm	0.9999 ppm	0.0041 ppm	0.2852 ppm
Concentration per Run 1	-0.0088 ppm	4.3210 ppm	0.0089 ppm	0.2926 ppm	1.0083 ppm	0.0019 ppm	0.2882 ppm
Concentration per Run 2	-0.0032 ppm	4.2348 ppm	0.0067 ppm	0.2915 ppm	0.9911 ppm	0.0041 ppm	0.2823 ppm
Concentration per Run 3	-0.0047 ppm	4.2708 ppm	0.0087 ppm	0.2929 ppm	1.0005 ppm	0.0062 ppm	0.2851 ppm
Concentration RSD	52.3 %	1.0 %	15.0 %	0.2 %	0.9 %	52.4 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7670 ppm	108.1693 %	110.3091 %	103.8671 %	162.1740 %	164.7223 %	157.9810 %
Concentration per Run 1	0.7775 ppm	107.2819 %	110.9306 %	103.9842 %	161.9907 %	165.6888 %	157.8848 %
Concentration per Run 2	0.7584 ppm	109.1691 %	109.8401 %	104.0593 %	162.4690 %	163.9360 %	158.3693 %
Concentration per Run 3	0.7651 ppm	108.0567 %	110.1565 %	103.5579 %	162.0625 %	164.5421 %	157.6888 %
Concentration RSD	1.3 %	0.9 %	0.5 %	0.3 %	0.2 %	0.5 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: I2556270-08D10 WG2112872
 Analysis started at: 9/17/2025 3:38:14 PM
 Rack: 2
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0026 ppm	8.7871 ppm	0.0510 ppm	0.0146 ppm	2.0993 ppm	0.0005 ppm	12.0265 ppm
Concentration per Run 1	0.0034 ppm	8.8305 ppm	0.0540 ppm	0.0131 ppm	2.1119 ppm	0.0004 ppm	12.0360 ppm
Concentration per Run 2	0.0024 ppm	8.7118 ppm	0.0487 ppm	0.0152 ppm	2.0967 ppm	0.0005 ppm	11.9479 ppm
Concentration per Run 3	0.0020 ppm	8.8192 ppm	0.0502 ppm	0.0155 ppm	2.0893 ppm	0.0005 ppm	12.0957 ppm
Concentration RSD	29.3 %	0.7 %	5.3 %	8.9 %	0.5 %	8.9 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0191 ppm	0.0109 ppm	0.0498 ppm	1.8109 ppm	88.2178 ppm	0.7603 ppm	0.0094 ppm
Concentration per Run 1	0.0192 ppm	0.0104 ppm	0.0504 ppm	1.8079 ppm	88.6832 ppm	0.7651 ppm	0.0097 ppm
Concentration per Run 2	0.0192 ppm	0.0104 ppm	0.0500 ppm	1.8196 ppm	87.9011 ppm	0.7491 ppm	0.0103 ppm
Concentration per Run 3	0.0189 ppm	0.0120 ppm	0.0491 ppm	1.8053 ppm	88.0691 ppm	0.7666 ppm	0.0081 ppm
Concentration RSD	0.9 %	8.1 %	1.3 %	0.4 %	0.5 %	1.3 %	12.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	4.4138 ppm	0.4927 ppm	0.0044 ppm	0.3753 ppm	0.0856 ppm	7.4847 ppm	0.0091 ppm
Concentration per Run 1	4.4007 ppm	0.4942 ppm	0.0049 ppm	0.3771 ppm	0.0825 ppm	7.4595 ppm	0.0069 ppm
Concentration per Run 2	4.4304 ppm	0.4878 ppm	0.0043 ppm	0.3740 ppm	0.0865 ppm	7.5155 ppm	0.0122 ppm
Concentration per Run 3	4.4103 ppm	0.4960 ppm	0.0039 ppm	0.3749 ppm	0.0879 ppm	7.4791 ppm	0.0081 ppm
Concentration RSD	0.3 %	0.9 %	11.8 %	0.4 %	3.2 %	0.4 %	31.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0011 ppm	2.3975 ppm	0.1069 ppm	0.0945 ppm	0.2109 ppm	0.0032 ppm	0.0340 ppm
Concentration per Run 1	-0.0011 ppm	2.3901 ppm	0.1048 ppm	0.0950 ppm	0.2114 ppm	0.0016 ppm	0.0341 ppm
Concentration per Run 2	-0.0026 ppm	2.4080 ppm	0.1062 ppm	0.0940 ppm	0.2103 ppm	0.0021 ppm	0.0346 ppm
Concentration per Run 3	0.0005 ppm	2.3944 ppm	0.1098 ppm	0.0945 ppm	0.2110 ppm	0.0058 ppm	0.0333 ppm
Concentration RSD	145.8 %	0.4 %	2.4 %	0.5 %	0.3 %	72.3 %	1.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	11.8409 ppm	102.0773 %	104.0584 %	100.3344 %	103.7420 %	104.4396 %	101.6991 %
Concentration per Run 1	11.7057 ppm	102.1279 %	104.6173 %	100.2919 %	103.6401 %	105.5988 %	101.1130 %
Concentration per Run 2	11.8779 ppm	102.6608 %	103.0975 %	99.9419 %	104.5714 %	102.9773 %	101.6110 %
Concentration per Run 3	11.9390 ppm	101.4433 %	104.4604 %	100.7693 %	103.0146 %	104.7426 %	102.3732 %
Concentration RSD	1.0 %	0.6 %	0.8 %	0.4 %	0.8 %	1.3 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: eL2556270-54D2 WG2115624
 Analysis started at: 9/17/2025 3:41:28 PM
 Rack: 2
 Vial: 6
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0208 ppm	71.0716 ppm	0.1874 ppm	1.4015 ppm	11.2061 [SIC 30]	0.0045 ppm	200.4000 ppm
Concentration per Run 1	0.0214 ppm	71.4349 ppm	0.1876 ppm	1.4059 ppm	11.2614 ppm	0.0046 ppm	201.2687 ppm
Concentration per Run 2	0.0198 ppm	71.0554 ppm	0.1869 ppm	1.3846 ppm	11.2031 ppm	0.0045 ppm	200.1771 ppm
Concentration per Run 3	0.0211 ppm	70.7246 ppm	0.1876 ppm	1.4138 ppm	11.1538 ppm	0.0045 ppm	199.7540 ppm
Concentration RSD	4.1 %	0.5 %	0.2 %	1.1 %	0.5 %	0.7 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.1817 ppm	0.2246 ppm	1.2667 ppm	17.0428 ppm	607.0164 [SIC 700]	9.2457 ppm	0.0818 ppm
Concentration per Run 1	0.1817 ppm	0.2232 ppm	1.2732 ppm	17.1248 ppm	608.2211 ppm	9.2909 ppm	0.0822 ppm
Concentration per Run 2	0.1807 ppm	0.2238 ppm	1.2559 ppm	16.9288 ppm	605.6452 ppm	9.2393 ppm	0.0817 ppm
Concentration per Run 3	0.1827 ppm	0.2266 ppm	1.2710 ppm	17.0748 ppm	607.1829 ppm	9.2069 ppm	0.0815 ppm
Concentration RSD	0.6 %	0.8 %	0.7 %	0.6 %	0.2 %	0.5 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	30.6068 ppm	7.9284 ppm	0.0732 ppm	12.1758 ppm	1.3872 ppm	35.8188 ppm	0.2304 ppm
Concentration per Run 1	30.6213 ppm	7.9728 ppm	0.0730 ppm	12.3125 ppm	1.3910 ppm	35.9210 ppm	0.2238 ppm
Concentration per Run 2	30.4516 ppm	7.8895 ppm	0.0717 ppm	12.1331 ppm	1.3690 ppm	35.8310 ppm	0.2341 ppm
Concentration per Run 3	30.7475 ppm	7.9227 ppm	0.0749 ppm	12.0817 ppm	1.4016 ppm	35.7046 ppm	0.2333 ppm
Concentration RSD	0.5 %	0.5 %	2.2 %	1.0 %	1.2 %	0.3 %	2.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0023 ppm	11.6031 ppm	1.0477 [SIC 20]	1.0050 ppm	2.6761 ppm	0.0022 ppm	0.7896 ppm
Concentration per Run 1	-0.0027 ppm	11.6142 ppm	1.0479 ppm	1.0114 ppm	2.6835 ppm	0.0089 ppm	0.7903 ppm
Concentration per Run 2	0.0039 ppm	11.5139 ppm	1.0424 ppm	1.0028 ppm	2.6557 ppm	-0.0016 ppm	0.7851 ppm
Concentration per Run 3	0.0056 ppm	11.6811 ppm	1.0527 ppm	1.0010 ppm	2.6892 ppm	-0.0007 ppm	0.7934 ppm
Concentration RSD	195.0 %	0.7 %	0.5 %	0.6 %	0.7 %	266.3 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	67.0817 [SIC 50]	103.1871 %	105.2512 %	94.9801 %	112.9712 %	114.6991 %	107.2848 %
Concentration per Run 1	67.1758 ppm	103.7641 %	105.5977 %	94.3884 %	113.7787 %	115.6570 %	106.5030 %
Concentration per Run 2	66.6362 ppm	103.5219 %	105.1760 %	95.6934 %	112.9719 %	113.9999 %	108.5070 %
Concentration per Run 3	67.4331 ppm	102.2751 %	104.9799 %	94.8587 %	112.1629 %	114.4405 %	106.8443 %
Concentration RSD	0.6 %	0.8 %	0.3 %	0.7 %	0.7 %	0.7 %	1.0 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: eWG2115624-3D2 WG2115624
 Analysis started at: 9/17/2025 3:44:42 PM
 Rack: 2
 Vial: 7
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0670 ppm	104.6744 ppm	0.2740 ppm	1.7492 ppm	11.3490 [SIC 30]	0.0591 ppm	230.9579 ppm
Concentration per Run 1	0.0675 ppm	104.9155 ppm	0.2762 ppm	1.7402 ppm	11.3890 ppm	0.0593 ppm	232.0099 ppm
Concentration per Run 2	0.0667 ppm	104.3862 ppm	0.2728 ppm	1.7591 ppm	11.2676 ppm	0.0587 ppm	230.0568 ppm
Concentration per Run 3	0.0669 ppm	104.7213 ppm	0.2729 ppm	1.7483 ppm	11.3905 ppm	0.0594 ppm	230.8069 ppm
Concentration RSD	0.6 %	0.3 %	0.7 %	0.5 %	0.6 %	0.7 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.3902 ppm	0.6731 ppm	1.5384 ppm	10.6767 ppm	451.1439 [SIC 700]	21.8231 ppm	0.0725 ppm
Concentration per Run 1	0.3885 ppm	0.6696 ppm	1.5244 ppm	10.6345 ppm	453.7844 ppm	21.8181 ppm	0.0729 ppm
Concentration per Run 2	0.3930 ppm	0.6786 ppm	1.5561 ppm	10.7502 ppm	447.1958 ppm	21.7715 ppm	0.0727 ppm
Concentration per Run 3	0.3890 ppm	0.6711 ppm	1.5347 ppm	10.6455 ppm	452.4514 ppm	21.8796 ppm	0.0718 ppm
Concentration RSD	0.6 %	0.7 %	1.1 %	0.6 %	0.8 %	0.2 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	43.3628 ppm	12.1187 ppm	1.0242 ppm	19.6523 ppm	2.1683 ppm	26.5290 ppm	0.5035 ppm
Concentration per Run 1	43.1417 ppm	12.2041 ppm	1.0187 ppm	19.7376 ppm	2.1491 ppm	26.5881 ppm	0.5030 ppm
Concentration per Run 2	43.6778 ppm	12.0354 ppm	1.0324 ppm	19.6721 ppm	2.1941 ppm	26.5541 ppm	0.5063 ppm
Concentration per Run 3	43.2689 ppm	12.1166 ppm	1.0214 ppm	19.5474 ppm	2.1617 ppm	26.4448 ppm	0.5012 ppm
Concentration RSD	0.6 %	0.7 %	0.7 %	0.5 %	1.1 %	0.3 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1069 ppm	15.3637 ppm	2.0789 [SIC 20]	2.0630 ppm	3.8234 ppm	0.1218 ppm	1.0975 ppm
Concentration per Run 1	0.1085 ppm	15.2866 ppm	2.0625 ppm	2.0685 ppm	3.7973 ppm	0.1157 ppm	1.0936 ppm
Concentration per Run 2	0.1050 ppm	15.4695 ppm	2.0951 ppm	2.0457 ppm	3.8560 ppm	0.1267 ppm	1.1070 ppm
Concentration per Run 3	0.1071 ppm	15.3349 ppm	2.0792 ppm	2.0749 ppm	3.8169 ppm	0.1231 ppm	1.0920 ppm
Concentration RSD	1.7 %	0.6 %	0.8 %	0.7 %	0.8 %	4.6 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	57.9355 [SIC 50]	106.1006 %	109.2822 %	98.4207 %	129.5014 %	131.6704 %	123.1267 %
Concentration per Run 1	57.5806 ppm	107.0860 %	109.1311 %	97.5934 %	131.1598 %	131.2256 %	122.2096 %
Concentration per Run 2	58.4891 ppm	105.1161 %	110.0805 %	98.8601 %	128.2667 %	132.4847 %	123.4176 %
Concentration per Run 3	57.7368 ppm	106.0996 %	108.6349 %	98.8087 %	129.0777 %	131.3008 %	123.7528 %
Concentration RSD	0.8 %	0.9 %	0.7 %	0.7 %	1.2 %	0.5 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: eWG2115624-4D2 WG2115624
 Analysis started at: 9/17/2025 3:47:57 PM
 Rack: 2
 Vial: 8
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0854 ppm	77.9052 ppm	0.2685 ppm	2.0100 ppm	14.8840 [SIC 30]	0.0560 ppm	211.0788 ppm
Concentration per Run 1	0.0871 ppm	78.2156 ppm	0.2650 ppm	2.0346 ppm	15.1535 ppm	0.0568 ppm	212.8889 ppm
Concentration per Run 2	0.0846 ppm	77.9115 ppm	0.2673 ppm	1.9920 ppm	14.7296 ppm	0.0555 ppm	210.2032 ppm
Concentration per Run 3	0.0845 ppm	77.5885 ppm	0.2731 ppm	2.0032 ppm	14.7690 ppm	0.0556 ppm	210.1444 ppm
Concentration RSD	1.7 %	0.4 %	1.5 %	1.1 %	1.6 %	1.3 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.3089 ppm	0.7107 ppm	1.5726 ppm	24.6060 [SIC 60]	591.1116 [SIC 700]	18.4803 ppm	0.0713 ppm
Concentration per Run 1	0.3131 ppm	0.7162 ppm	1.5960 ppm	24.7574 ppm	600.0575 ppm	18.7375 ppm	0.0730 ppm
Concentration per Run 2	0.3062 ppm	0.7080 ppm	1.5606 ppm	24.4514 ppm	584.9816 ppm	18.3135 ppm	0.0713 ppm
Concentration per Run 3	0.3073 ppm	0.7078 ppm	1.5612 ppm	24.6094 ppm	588.2958 ppm	18.3898 ppm	0.0695 ppm
Concentration RSD	1.2 %	0.7 %	1.3 %	0.6 %	1.3 %	1.2 %	2.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	41.5681 ppm	6.5925 ppm	1.0214 ppm	18.9322 ppm	3.4392 ppm	43.6916 ppm	0.4915 ppm
Concentration per Run 1	42.0918 ppm	6.6096 ppm	1.0303 ppm	19.1383 ppm	3.4957 ppm	43.4375 ppm	0.4944 ppm
Concentration per Run 2	41.2691 ppm	6.5879 ppm	1.0160 ppm	18.8406 ppm	3.4051 ppm	43.8713 ppm	0.4868 ppm
Concentration per Run 3	41.3433 ppm	6.5799 ppm	1.0178 ppm	18.8177 ppm	3.4168 ppm	43.7661 ppm	0.4932 ppm
Concentration RSD	1.1 %	0.2 %	0.8 %	0.9 %	1.4 %	0.5 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0815 ppm	20.6866 [SIC 200]	3.4298 [SIC 20]	1.8540 ppm	3.2127 ppm	0.1154 ppm	1.2498 ppm
Concentration per Run 1	0.0808 ppm	20.9289 ppm	3.4684 ppm	1.8820 ppm	3.2441 ppm	0.1111 ppm	1.2610 ppm
Concentration per Run 2	0.0811 ppm	20.5242 ppm	3.3906 ppm	1.8352 ppm	3.1916 ppm	0.1191 ppm	1.2420 ppm
Concentration per Run 3	0.0826 ppm	20.6065 ppm	3.4305 ppm	1.8448 ppm	3.2023 ppm	0.1161 ppm	1.2465 ppm
Concentration RSD	1.2 %	1.0 %	1.1 %	1.3 %	0.9 %	3.5 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	91.4845 [SIC 50]	101.4936 %	104.2564 %	93.0262 %	111.1851 %	112.6443 %	103.1355 %
Concentration per Run 1	92.8127 ppm	100.1917 %	103.1118 %	93.5359 %	110.2445 %	111.5479 %	103.5735 %
Concentration per Run 2	90.6148 ppm	102.7234 %	104.9682 %	92.9557 %	112.4857 %	112.8428 %	102.8162 %
Concentration per Run 3	91.0260 ppm	101.5659 %	104.6891 %	92.5868 %	110.8251 %	113.5422 %	103.0168 %
Concentration RSD	1.3 %	1.2 %	1.0 %	0.5 %	1.0 %	0.9 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: eWG2115624-5D2 WG2115624
 Analysis started at: 9/17/2025 3:51:11 PM
 Rack: 2
 Vial: 9
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0676 ppm	70.8390 ppm	0.3032 ppm	2.3575 ppm	12.7830 [SIC 30]	0.0524 ppm	202.3998 ppm
Concentration per Run 1	0.0693 ppm	71.0692 ppm	0.3014 ppm	2.3948 ppm	12.8687 ppm	0.0529 ppm	203.1399 ppm
Concentration per Run 2	0.0678 ppm	70.1511 ppm	0.3042 ppm	2.3362 ppm	12.7276 ppm	0.0521 ppm	200.5773 ppm
Concentration per Run 3	0.0656 ppm	71.2966 ppm	0.3039 ppm	2.3416 ppm	12.7528 ppm	0.0523 ppm	203.4823 ppm
Concentration RSD	2.8 %	0.9 %	0.5 %	1.4 %	0.6 %	0.8 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.2254 ppm	0.6923 ppm	1.4296 ppm	17.0274 ppm	587.7830 [SIC 700]	19.3633 ppm	0.0796 ppm
Concentration per Run 1	0.2293 ppm	0.7032 ppm	1.4583 ppm	17.2404 ppm	590.4375 ppm	19.4379 ppm	0.0816 ppm
Concentration per Run 2	0.2237 ppm	0.6842 ppm	1.4144 ppm	16.8399 ppm	585.3602 ppm	19.2705 ppm	0.0784 ppm
Concentration per Run 3	0.2232 ppm	0.6896 ppm	1.4159 ppm	17.0020 ppm	587.5513 ppm	19.3814 ppm	0.0789 ppm
Concentration RSD	1.5 %	1.4 %	1.7 %	1.2 %	0.4 %	0.4 %	2.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	39.1165 ppm	8.0689 ppm	1.0491 ppm	21.9629 ppm	1.8279 ppm	35.1303 ppm	0.7083 ppm
Concentration per Run 1	39.7430 ppm	8.1088 ppm	1.0655 ppm	22.0173 ppm	1.8594 ppm	35.2165 ppm	0.7084 ppm
Concentration per Run 2	38.7631 ppm	7.9754 ppm	1.0413 ppm	21.8044 ppm	1.8141 ppm	35.1884 ppm	0.6974 ppm
Concentration per Run 3	38.8434 ppm	8.1225 ppm	1.0406 ppm	22.0670 ppm	1.8101 ppm	34.9861 ppm	0.7191 ppm
Concentration RSD	1.4 %	1.0 %	1.3 %	0.6 %	1.5 %	0.4 %	1.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1268 ppm	12.5418 ppm	1.9761 [SIC 20]	1.9148 ppm	3.5607 ppm	0.1307 ppm	1.2769 ppm
Concentration per Run 1	0.1274 ppm	12.6467 ppm	2.0154 ppm	1.9315 ppm	3.6298 ppm	0.1267 ppm	1.2919 ppm
Concentration per Run 2	0.1249 ppm	12.4860 ppm	1.9427 ppm	1.8962 ppm	3.5180 ppm	0.1350 ppm	1.2637 ppm
Concentration per Run 3	0.1282 ppm	12.4928 ppm	1.9702 ppm	1.9167 ppm	3.5345 ppm	0.1304 ppm	1.2751 ppm
Concentration RSD	1.4 %	0.7 %	1.9 %	0.9 %	1.7 %	3.2 %	1.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	65.7589 [SIC 50]	101.2511 %	105.4184 %	93.7757 %	111.1395 %	114.0450 %	105.4917 %
Concentration per Run 1	66.9143 ppm	99.8997 %	104.8864 %	93.8833 %	110.0823 %	113.7281 %	105.7540 %
Concentration per Run 2	64.9892 ppm	102.3820 %	106.2465 %	93.3735 %	112.0956 %	114.0040 %	104.8048 %
Concentration per Run 3	65.3733 ppm	101.4718 %	105.1223 %	94.0702 %	111.2406 %	114.4028 %	105.9164 %
Concentration RSD	1.5 %	1.2 %	0.7 %	0.4 %	0.9 %	0.3 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: eWG2115624-6D10 WG2115624
 Analysis started at: 9/17/2025 3:54:26 PM
 Rack: 2
 Vial: 10
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0056 ppm	14.1384 ppm	0.0367 ppm	0.2800 ppm	2.2709 ppm	0.0009 ppm	41.0692 ppm
Concentration per Run 1	0.0054 ppm	14.1045 ppm	0.0368 ppm	0.2824 ppm	2.2632 ppm	0.0009 ppm	40.7466 ppm
Concentration per Run 2	0.0050 ppm	14.1746 ppm	0.0373 ppm	0.2767 ppm	2.2810 ppm	0.0010 ppm	41.2635 ppm
Concentration per Run 3	0.0064 ppm	14.1363 ppm	0.0360 ppm	0.2810 ppm	2.2684 ppm	0.0010 ppm	41.1975 ppm
Concentration RSD	12.2 %	0.2 %	1.8 %	1.0 %	0.4 %	4.6 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0371 ppm	0.0438 ppm	0.2539 ppm	3.1580 ppm	137.1657 ppm	1.8966 ppm	0.0168 ppm
Concentration per Run 1	0.0370 ppm	0.0439 ppm	0.2571 ppm	3.1609 ppm	136.4048 ppm	1.8769 ppm	0.0171 ppm
Concentration per Run 2	0.0370 ppm	0.0441 ppm	0.2522 ppm	3.1458 ppm	137.3885 ppm	1.9013 ppm	0.0152 ppm
Concentration per Run 3	0.0372 ppm	0.0435 ppm	0.2524 ppm	3.1672 ppm	137.7038 ppm	1.9117 ppm	0.0179 ppm
Concentration RSD	0.4 %	0.7 %	1.1 %	0.3 %	0.5 %	0.9 %	8.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	6.1295 ppm	1.6349 ppm	0.0168 ppm	2.3752 ppm	0.2762 ppm	6.8192 ppm	0.0486 ppm
Concentration per Run 1	6.1484 ppm	1.6234 ppm	0.0165 ppm	2.3658 ppm	0.2775 ppm	6.8488 ppm	0.0449 ppm
Concentration per Run 2	6.1090 ppm	1.6384 ppm	0.0167 ppm	2.3829 ppm	0.2764 ppm	6.8416 ppm	0.0507 ppm
Concentration per Run 3	6.1310 ppm	1.6430 ppm	0.0172 ppm	2.3768 ppm	0.2747 ppm	6.7671 ppm	0.0503 ppm
Concentration RSD	0.3 %	0.6 %	2.4 %	0.4 %	0.5 %	0.7 %	6.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0001 ppm	2.3862 ppm	0.2116 ppm	0.2016 ppm	0.5306 ppm	0.0029 ppm	0.1549 ppm
Concentration per Run 1	-0.0030 ppm	2.4113 ppm	0.2108 ppm	0.2014 ppm	0.5324 ppm	0.0041 ppm	0.1554 ppm
Concentration per Run 2	0.0000 ppm	2.3634 ppm	0.2105 ppm	0.2017 ppm	0.5302 ppm	-0.0028 ppm	0.1539 ppm
Concentration per Run 3	0.0028 ppm	2.3838 ppm	0.2136 ppm	0.2017 ppm	0.5292 ppm	0.0073 ppm	0.1555 ppm
Concentration RSD	5,168.5 %	1.0 %	0.8 %	0.1 %	0.3 %	179.6 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	15.5604 ppm	103.2560 %	106.2464 %	100.8071 %	105.6017 %	107.3319 %	103.0610 %
Concentration per Run 1	15.7015 ppm	103.4209 %	106.8424 %	100.6053 %	106.2994 %	107.8491 %	102.6884 %
Concentration per Run 2	15.4434 ppm	103.2397 %	105.5683 %	100.6763 %	105.3823 %	106.8874 %	102.9239 %
Concentration per Run 3	15.5365 ppm	103.1074 %	106.3286 %	101.1396 %	105.1234 %	107.2590 %	103.5708 %
Concentration RSD	0.8 %	0.2 %	0.6 %	0.3 %	0.6 %	0.5 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
Analysis started at: 9/17/2025 3:57:41 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4936 ppm	0.5269 ppm	0.4995 ppm	0.5003 ppm	0.5064 ppm	0.5144 ppm	0.4932 ppm
Concentration per Run 1	0.4957 ppm	0.5183 ppm	0.4976 ppm	0.5065 ppm	0.5022 ppm	0.5095 ppm	0.4956 ppm
Concentration per Run 2	0.4950 ppm	0.5331 ppm	0.4962 ppm	0.4994 ppm	0.5104 ppm	0.5178 ppm	0.4978 ppm
Concentration per Run 3	0.4900 ppm	0.5294 ppm	0.5045 ppm	0.4951 ppm	0.5067 ppm	0.5157 ppm	0.4864 ppm
Recovery Percentage 1	98.714 %	105.387 %	99.891 %	100.063 %	101.286 %	102.873 %	98.649 %
Concentration RSD	0.6 %	1.5 %	0.9 %	1.2 %	0.8 %	0.8 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5036 ppm	0.5086 ppm	0.5110 ppm	0.5013 ppm	0.5245 ppm	5.3445 ppm	0.5237 ppm
Concentration per Run 1	0.5045 ppm	0.5082 ppm	0.5145 ppm	0.5029 ppm	0.5229 ppm	5.2985 ppm	0.5177 ppm
Concentration per Run 2	0.5035 ppm	0.5088 ppm	0.5125 ppm	0.5007 ppm	0.5257 ppm	5.3780 ppm	0.5303 ppm
Concentration per Run 3	0.5029 ppm	0.5087 ppm	0.5061 ppm	0.5002 ppm	0.5248 ppm	5.3571 ppm	0.5231 ppm
Recovery Percentage 1	100.725 %	101.715 %	102.205 %	100.252 %	104.893 %	106.890 %	104.745 %
Concentration RSD	0.2 %	0.1 %	0.9 %	0.3 %	0.3 %	0.8 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4811 ppm	0.5069 ppm	0.5026 ppm	10.2170 ppm	0.5124 ppm	0.5172 ppm	0.5156 ppm
Concentration per Run 1	0.4790 ppm	0.5011 ppm	0.5041 ppm	10.1745 ppm	0.5131 ppm	0.5202 ppm	0.5133 ppm
Concentration per Run 2	0.4824 ppm	0.5109 ppm	0.5050 ppm	10.2570 ppm	0.5136 ppm	0.5150 ppm	0.5195 ppm
Concentration per Run 3	0.4820 ppm	0.5088 ppm	0.4987 ppm	10.2195 ppm	0.5104 ppm	0.5165 ppm	0.5140 ppm
Recovery Percentage 1	96.221 %	101.389 %	100.519 %	102.170 %	102.473 %	103.447 %	103.122 %
Concentration RSD	0.4 %	1.0 %	0.7 %	0.4 %	0.3 %	0.5 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.5038 ppm	5.5137 ppm	0.5065 ppm	0.5088 ppm	0.4952 ppm	0.5022 ppm	0.5103 ppm
Concentration per Run 1	0.5061 ppm	5.5250 ppm	0.5073 ppm	0.5037 ppm	0.4972 ppm	0.5010 ppm	0.5099 ppm
Concentration per Run 2	0.5009 ppm	5.5320 ppm	0.5054 ppm	0.5125 ppm	0.4958 ppm	0.4971 ppm	0.5114 ppm
Concentration per Run 3	0.5043 ppm	5.4840 ppm	0.5068 ppm	0.5103 ppm	0.4928 ppm	0.5086 ppm	0.5096 ppm
Recovery Percentage 1	100.750 %	105.022 %	101.298 %	101.770 %	99.048 %	100.446 %	102.059 %
Concentration RSD	0.5 %	0.5 %	0.2 %	0.9 %	0.5 %	1.2 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5180 ppm	102.4919 %	106.1701 %	100.8475 %	103.4791 %	104.6775 %	100.7518 %
Concentration per Run 1	0.5210 ppm	101.7363 %	108.0207 %	101.3358 %	102.9594 %	106.2121 %	101.5743 %
Concentration per Run 2	0.5182 ppm	102.4015 %	104.9483 %	100.8656 %	103.2318 %	103.4876 %	100.6202 %
Concentration per Run 3	0.5148 ppm	103.3380 %	105.5414 %	100.3411 %	104.2462 %	104.3327 %	100.0610 %
Recovery Percentage 1	103.604 %						
Concentration RSD	0.6 %	0.8 %	1.5 %	0.5 %	0.7 %	1.3 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 4:00:55 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0015 ppm	0.0261 ppm	0.0009 ppm	0.0026 ppm	0.0003 ppm	0.0000 ppm	-0.0031 ppm
Concentration per Run 1	0.0015 ppm	0.0245 ppm	0.0005 ppm	0.0015 ppm	0.0003 ppm	0.0000 ppm	-0.0036 ppm
Concentration per Run 2	0.0010 ppm	0.0309 ppm	-0.0006 ppm	0.0024 ppm	0.0003 ppm	0.0001 ppm	-0.0011 ppm
Concentration per Run 3	0.0018 ppm	0.0228 ppm	0.0028 ppm	0.0040 ppm	0.0003 ppm	0.0000 ppm	-0.0046 ppm
Recovery Percentage 1	21.042 %	26.076 %	18.268 %	8.816 %	2.986 %	0.977 %	-3.105 %
Concentration RSD	28.2 %	16.2 %	188.5 %	48.8 %	6.6 %	101.0 %	57.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0003 ppm	0.0005 ppm	0.0004 ppm	0.0043 ppm	0.1094 ppm	0.0006 ppm
Concentration per Run 1	0.0002 ppm	-0.0008 ppm	0.0010 ppm	-0.0004 ppm	0.0044 ppm	0.0959 ppm	-0.0001 ppm
Concentration per Run 2	0.0003 ppm	-0.0002 ppm	0.0008 ppm	0.0008 ppm	0.0050 ppm	0.1190 ppm	0.0017 ppm
Concentration per Run 3	0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.0036 ppm	0.1134 ppm	0.0002 ppm
Recovery Percentage 1	4.272 %	-1.533 %	5.358 %	4.178 %	8.667 %	4.378 %	11.771 %
Concentration RSD	25.9 %	147.1 %	112.3 %	163.5 %	16.7 %	11.0 %	160.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0083 ppm	-0.0001 ppm	0.0017 ppm	-0.0038 ppm	0.0002 ppm	-0.0014 ppm	0.0028 ppm
Concentration per Run 1	-0.0082 ppm	0.0000 ppm	0.0027 ppm	-0.0115 ppm	-0.0014 ppm	-0.0003 ppm	-0.0043 ppm
Concentration per Run 2	-0.0098 ppm	-0.0002 ppm	0.0015 ppm	-0.0051 ppm	0.0010 ppm	-0.0010 ppm	0.0079 ppm
Concentration per Run 3	-0.0068 ppm	-0.0002 ppm	0.0009 ppm	0.0053 ppm	0.0011 ppm	-0.0029 ppm	0.0048 ppm
Recovery Percentage 1	-8.271 %	-0.897 %	3.438 %	-0.189 %	0.962 %	-13.776 %	5.586 %
Concentration RSD	17.8 %	131.7 %	53.7 %	224.7 %	576.2 %	99.5 %	227.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0035 ppm	0.0165 ppm	0.0014 ppm	0.0000 ppm	-0.0019 ppm	0.0046 ppm	-0.0012 ppm
Concentration per Run 1	-0.0030 ppm	0.0169 ppm	-0.0007 ppm	0.0000 ppm	-0.0022 ppm	0.0091 ppm	-0.0012 ppm
Concentration per Run 2	-0.0050 ppm	0.0158 ppm	0.0031 ppm	0.0000 ppm	-0.0018 ppm	0.0016 ppm	-0.0016 ppm
Concentration per Run 3	-0.0027 ppm	0.0168 ppm	0.0018 ppm	-0.0001 ppm	-0.0018 ppm	0.0031 ppm	-0.0009 ppm
Recovery Percentage 1	-35.391 %	3.304 %	2.782 %	-0.024 %	-19.311 %	22.872 %	-12.359 %
Concentration RSD	35.0 %	3.7 %	138.5 %	1,828.0 %	12.8 %	86.4 %	24.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0013 ppm	100.4110 %	103.9186 %	99.6478 %	101.7982 %	103.6091 %	100.1658 %
Concentration per Run 1	0.0012 ppm	100.2797 %	102.1347 %	99.6750 %	101.7666 %	102.5450 %	100.1868 %
Concentration per Run 2	0.0015 ppm	100.3465 %	105.5675 %	99.3184 %	102.0819 %	104.8757 %	100.0729 %
Concentration per Run 3	0.0013 ppm	100.6067 %	104.0536 %	99.9501 %	101.5462 %	103.4068 %	100.2377 %
Recovery Percentage 1	26.736 %						
Concentration RSD	8.3 %	0.2 %	1.7 %	0.3 %	0.3 %	1.1 %	0.1 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2116123-1 WG2116123
 Analysis started at: 9/17/2025 4:27:05 PM
 Rack: 2
 Vial: 13
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	0.0380 ppm	0.0045 ppm	0.0014 ppm	0.0002 ppm	0.0001 ppm	0.0146 ppm
Concentration per Run 1	0.0012 ppm	0.0367 ppm	0.0058 ppm	0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0116 ppm
Concentration per Run 2	0.0011 ppm	0.0360 ppm	0.0009 ppm	0.0030 ppm	0.0001 ppm	0.0001 ppm	0.0169 ppm
Concentration per Run 3	0.0011 ppm	0.0413 ppm	0.0068 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm	0.0152 ppm
Recovery Percentage 1	16.296 %	38.005 %	89.982 %	4.539 %	2.140 %	1.425 %	14.574 %
Concentration RSD	1.6 %	7.5 %	70.0 %	103.1 %	43.5 %	23.5 %	18.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0015 ppm	0.0004 ppm	0.0005 ppm	0.0497 ppm	0.1027 ppm	0.0010 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0014 ppm	0.0508 ppm	0.1123 ppm	0.0006 ppm
Concentration per Run 2	0.0001 ppm	-0.0018 ppm	0.0009 ppm	0.0002 ppm	0.0491 ppm	0.0773 ppm	0.0022 ppm
Concentration per Run 3	-0.0002 ppm	-0.0025 ppm	0.0003 ppm	-0.0003 ppm	0.0491 ppm	0.1187 ppm	0.0001 ppm
Recovery Percentage 1	-1.163 %	-7.393 %	4.039 %	4.530 %	99.314 %	4.110 %	19.100 %
Concentration RSD	199.7 %	81.6 %	114.3 %	191.3 %	2.0 %	21.7 %	113.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0085 ppm	0.0005 ppm	-0.0001 ppm	0.0088 ppm	0.0001 ppm	-0.0011 ppm	0.0026 ppm
Concentration per Run 1	-0.0117 ppm	0.0006 ppm	0.0005 ppm	0.0056 ppm	-0.0010 ppm	-0.0018 ppm	-0.0012 ppm
Concentration per Run 2	-0.0092 ppm	0.0004 ppm	-0.0011 ppm	0.0103 ppm	0.0004 ppm	-0.0032 ppm	0.0128 ppm
Concentration per Run 3	-0.0047 ppm	0.0004 ppm	0.0004 ppm	0.0105 ppm	0.0008 ppm	0.0017 ppm	-0.0038 ppm
Recovery Percentage 1	-8.519 %	4.846 %	-0.107 %	0.439 %	0.372 %	-10.958 %	5.231 %
Concentration RSD	41.7 %	21.1 %	1,724.2 %	31.9 %	1,032.5 %	226.9 %	341.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0001 ppm	0.0315 ppm	0.0118 ppm	0.0000 ppm	-0.0023 ppm	0.0000 ppm	-0.0016 ppm
Concentration per Run 1	-0.0035 ppm	0.0344 ppm	0.0131 ppm	0.0000 ppm	-0.0011 ppm	0.0019 ppm	-0.0023 ppm
Concentration per Run 2	0.0019 ppm	0.0303 ppm	0.0118 ppm	0.0000 ppm	-0.0027 ppm	-0.0022 ppm	-0.0014 ppm
Concentration per Run 3	0.0020 ppm	0.0300 ppm	0.0105 ppm	0.0001 ppm	-0.0031 ppm	0.0003 ppm	-0.0010 ppm
Recovery Percentage 1	1.469 %	6.309 %	23.611 %	0.257 %	-23.131 %	-0.026 %	-15.728 %
Concentration RSD	2,143.2 %	7.9 %	10.7 %	204.8 %	46.6 %	40,885.5 %	41.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0029 ppm	98.1968 %	104.3332 %	98.2672 %	99.1948 %	103.7861 %	98.9162 %
Concentration per Run 1	0.0029 ppm	98.5937 %	103.4318 %	97.9349 %	99.4537 %	103.4738 %	98.5179 %
Concentration per Run 2	0.0024 ppm	98.1394 %	105.1332 %	98.1646 %	99.0027 %	104.4945 %	98.8507 %
Concentration per Run 3	0.0034 ppm	97.8573 %	104.4348 %	98.7022 %	99.1281 %	103.3901 %	99.3801 %
Recovery Percentage 1	58.261 %						
Concentration RSD	17.4 %	0.4 %	0.8 %	0.4 %	0.2 %	0.6 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2116123-2D2 WG2116123
 Analysis started at: 9/17/2025 4:30:33 PM
 Rack: 2
 Vial: 14
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.2650 ppm	16.8251 ppm	0.6751 ppm	0.6475 ppm	0.7309 ppm	0.5758 ppm	14.2575 ppm
Concentration per Run 1	0.2644 ppm	16.7932 ppm	0.6737 ppm	0.6487 ppm	0.7244 ppm	0.5714 ppm	14.2271 ppm
Concentration per Run 2	0.2650 ppm	16.8809 ppm	0.6804 ppm	0.6489 ppm	0.7382 ppm	0.5803 ppm	14.2665 ppm
Concentration per Run 3	0.2655 ppm	16.8011 ppm	0.6711 ppm	0.6448 ppm	0.7302 ppm	0.5756 ppm	14.2788 ppm
Concentration RSD	0.2 %	0.3 %	0.7 %	0.4 %	1.0 %	0.8 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4283 ppm	0.8524 ppm	0.5557 ppm	0.3153 ppm	18.7153 ppm	5.6835 ppm	0.3366 ppm
Concentration per Run 1	0.4263 ppm	0.8540 ppm	0.5577 ppm	0.3168 ppm	18.5713 ppm	5.6167 ppm	0.3323 ppm
Concentration per Run 2	0.4300 ppm	0.8521 ppm	0.5543 ppm	0.3143 ppm	18.8696 ppm	5.7858 ppm	0.3426 ppm
Concentration per Run 3	0.4286 ppm	0.8511 ppm	0.5551 ppm	0.3148 ppm	18.7050 ppm	5.6481 ppm	0.3349 ppm
Concentration RSD	0.4 %	0.2 %	0.3 %	0.4 %	0.8 %	1.6 %	1.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.4135 ppm	1.3944 ppm	0.5274 ppm	7.8002 ppm	0.5505 ppm	0.4841 ppm	0.4769 ppm
Concentration per Run 1	5.4053 ppm	1.3880 ppm	0.5248 ppm	7.7307 ppm	0.5514 ppm	0.4832 ppm	0.4742 ppm
Concentration per Run 2	5.4269 ppm	1.3978 ppm	0.5301 ppm	7.8554 ppm	0.5503 ppm	0.4862 ppm	0.4745 ppm
Concentration per Run 3	5.4083 ppm	1.3972 ppm	0.5272 ppm	7.8146 ppm	0.5498 ppm	0.4827 ppm	0.4820 ppm
Concentration RSD	0.2 %	0.4 %	0.5 %	0.8 %	0.1 %	0.4 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.3341 ppm	14.7269 ppm	0.3358 ppm	0.7307 ppm	1.2570 ppm	0.6626 ppm	0.5583 ppm
Concentration per Run 1	0.3339 ppm	14.6970 ppm	0.3384 ppm	0.7249 ppm	1.2555 ppm	0.6628 ppm	0.5580 ppm
Concentration per Run 2	0.3373 ppm	14.8201 ppm	0.3350 ppm	0.7386 ppm	1.2607 ppm	0.6668 ppm	0.5611 ppm
Concentration per Run 3	0.3311 ppm	14.6637 ppm	0.3340 ppm	0.7287 ppm	1.2546 ppm	0.6583 ppm	0.5559 ppm
Concentration RSD	0.9 %	0.6 %	0.7 %	1.0 %	0.3 %	0.6 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0556 ppm	103.6595 %	105.1654 %	101.9143 %	107.1587 %	107.9160 %	105.4186 %
Concentration per Run 1	1.0623 ppm	103.5904 %	105.7309 %	101.7531 %	106.9847 %	108.5171 %	104.9611 %
Concentration per Run 2	1.0551 ppm	103.6280 %	104.5017 %	102.3257 %	107.0539 %	107.6570 %	105.9987 %
Concentration per Run 3	1.0493 ppm	103.7602 %	105.2635 %	101.6642 %	107.4374 %	107.5740 %	105.2961 %
Concentration RSD	0.6 %	0.1 %	0.6 %	0.4 %	0.2 %	0.5 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2116123-3D2 WG2116123
 Analysis started at: 9/17/2025 4:34:53 PM
 Rack: 2
 Vial: 15
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.2710 ppm	16.7739 ppm	0.6950 ppm	0.6646 ppm	0.7358 ppm	0.5818 ppm	14.6267 ppm
Concentration per Run 1	0.2700 ppm	16.8620 ppm	0.6962 ppm	0.6624 ppm	0.7401 ppm	0.5852 ppm	14.6306 ppm
Concentration per Run 2	0.2740 ppm	16.7702 ppm	0.6954 ppm	0.6677 ppm	0.7371 ppm	0.5820 ppm	14.6658 ppm
Concentration per Run 3	0.2689 ppm	16.6896 ppm	0.6935 ppm	0.6637 ppm	0.7301 ppm	0.5782 ppm	14.5838 ppm
Concentration RSD	1.0 %	0.5 %	0.2 %	0.4 %	0.7 %	0.6 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4394 ppm	0.8712 ppm	0.5764 ppm	0.3249 ppm	18.3590 ppm	5.6688 ppm	0.3429 ppm
Concentration per Run 1	0.4414 ppm	0.8701 ppm	0.5786 ppm	0.3239 ppm	18.3467 ppm	5.7146 ppm	0.3466 ppm
Concentration per Run 2	0.4402 ppm	0.8726 ppm	0.5769 ppm	0.3255 ppm	18.4299 ppm	5.6500 ppm	0.3433 ppm
Concentration per Run 3	0.4366 ppm	0.8709 ppm	0.5738 ppm	0.3253 ppm	18.3005 ppm	5.6419 ppm	0.3388 ppm
Concentration RSD	0.6 %	0.1 %	0.4 %	0.3 %	0.4 %	0.7 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.5443 ppm	1.4390 ppm	0.5464 ppm	7.8099 ppm	0.5687 ppm	0.4982 ppm	0.4977 ppm
Concentration per Run 1	5.5297 ppm	1.4391 ppm	0.5468 ppm	7.8837 ppm	0.5762 ppm	0.4986 ppm	0.4925 ppm
Concentration per Run 2	5.5902 ppm	1.4426 ppm	0.5502 ppm	7.8107 ppm	0.5661 ppm	0.5000 ppm	0.5079 ppm
Concentration per Run 3	5.5129 ppm	1.4355 ppm	0.5422 ppm	7.7354 ppm	0.5638 ppm	0.4962 ppm	0.4926 ppm
Concentration RSD	0.7 %	0.2 %	0.7 %	0.9 %	1.2 %	0.4 %	1.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.3504 ppm	12.9818 ppm	0.3445 ppm	0.7286 ppm	1.2399 ppm	0.6927 ppm	0.5763 ppm
Concentration per Run 1	0.3490 ppm	12.9098 ppm	0.3468 ppm	0.7338 ppm	1.2427 ppm	0.6931 ppm	0.5775 ppm
Concentration per Run 2	0.3500 ppm	13.3519 ppm	0.3387 ppm	0.7302 ppm	1.2434 ppm	0.6914 ppm	0.5795 ppm
Concentration per Run 3	0.3521 ppm	12.6837 ppm	0.3479 ppm	0.7217 ppm	1.2335 ppm	0.6937 ppm	0.5718 ppm
Concentration RSD	0.5 %	2.6 %	1.5 %	0.9 %	0.4 %	0.2 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0871 ppm	102.6509 %	106.0673 %	100.0611 %	105.5191 %	109.2899 %	103.5143 %
Concentration per Run 1	1.0977 ppm	102.6220 %	104.8108 %	99.7440 %	105.8701 %	109.0009 %	103.1720 %
Concentration per Run 2	1.0862 ppm	102.4004 %	107.0172 %	100.3389 %	105.5212 %	109.8026 %	104.0269 %
Concentration per Run 3	1.0775 ppm	102.9303 %	106.3741 %	100.1004 %	105.1659 %	109.0661 %	103.3439 %
Concentration RSD	0.9 %	0.3 %	1.1 %	0.3 %	0.3 %	0.4 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2557919-01D2 WG2116123
 Analysis started at: 9/17/2025 4:41:22 PM
 Rack: 2
 Vial: 16
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	107.0255 ppm	0.0557 ppm	0.0093 ppm	0.5052 ppm	0.0040 ppm	311.5777 ppm
Concentration per Run 1	-0.0007 ppm	106.7235 ppm	0.0588 ppm	0.0110 ppm	0.5064 ppm	0.0040 ppm	310.9866 ppm
Concentration per Run 2	0.0000 ppm	107.0345 ppm	0.0548 ppm	0.0088 ppm	0.5023 ppm	0.0040 ppm	310.9101 ppm
Concentration per Run 3	0.0000 ppm	107.3185 ppm	0.0536 ppm	0.0081 ppm	0.5068 ppm	0.0041 ppm	312.8364 ppm
Concentration RSD	158.9 %	0.3 %	4.9 %	16.2 %	0.5 %	1.9 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0035 ppm	0.1027 ppm	0.1619 ppm	0.9664 ppm	195.9164 ppm	13.1140 ppm	0.1508 ppm
Concentration per Run 1	0.0037 ppm	0.1035 ppm	0.1643 ppm	0.9703 ppm	195.6411 ppm	13.0947 ppm	0.1510 ppm
Concentration per Run 2	0.0036 ppm	0.1027 ppm	0.1589 ppm	0.9569 ppm	195.7113 ppm	13.0709 ppm	0.1503 ppm
Concentration per Run 3	0.0034 ppm	0.1020 ppm	0.1624 ppm	0.9719 ppm	196.3966 ppm	13.1763 ppm	0.1510 ppm
Concentration RSD	4.1 %	0.7 %	1.7 %	0.9 %	0.2 %	0.4 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	215.6060 ppm	4.3388 ppm	0.0063 ppm	1.3220 ppm	0.1466 ppm	0.5053 ppm	-0.0023 ppm
Concentration per Run 1	216.9791 ppm	4.3349 ppm	0.0074 ppm	1.3223 ppm	0.1480 ppm	0.5057 ppm	0.0007 ppm
Concentration per Run 2	214.3351 ppm	4.3217 ppm	0.0052 ppm	1.3167 ppm	0.1454 ppm	0.5067 ppm	-0.0006 ppm
Concentration per Run 3	215.5037 ppm	4.3598 ppm	0.0062 ppm	1.3271 ppm	0.1465 ppm	0.5037 ppm	-0.0071 ppm
Concentration RSD	0.6 %	0.4 %	17.5 %	0.4 %	0.9 %	0.3 %	180.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0054 ppm	18.2070 ppm	0.0339 ppm	0.2010 ppm	5.4042 ppm	0.0057 ppm	0.3145 ppm
Concentration per Run 1	-0.0038 ppm	18.2532 ppm	0.0352 ppm	0.2012 ppm	5.4483 ppm	0.0077 ppm	0.3173 ppm
Concentration per Run 2	-0.0071 ppm	18.4811 ppm	0.0338 ppm	0.1989 ppm	5.3590 ppm	0.0002 ppm	0.3117 ppm
Concentration per Run 3	-0.0053 ppm	17.8867 ppm	0.0328 ppm	0.2030 ppm	5.4054 ppm	0.0091 ppm	0.3145 ppm
Concentration RSD	31.3 %	1.6 %	3.5 %	1.0 %	0.8 %	84.0 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1874 ppm	102.2004 %	104.8291 %	97.5166 %	115.6177 %	118.6649 %	112.9290 %
Concentration per Run 1	1.1951 ppm	101.1622 %	105.2320 %	97.1592 %	114.5828 %	118.8206 %	112.5352 %
Concentration per Run 2	1.1719 ppm	103.3091 %	103.5928 %	97.7968 %	115.7823 %	117.2303 %	113.6368 %
Concentration per Run 3	1.1953 ppm	102.1300 %	105.6624 %	97.5938 %	116.4878 %	119.9439 %	112.6152 %
Concentration RSD	1.1 %	1.1 %	1.0 %	0.3 %	0.8 %	1.1 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556270-54D20 WG2115624
 Analysis started at: 9/17/2025 4:44:50 PM
 Rack: 2
 Vial: 17
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0026 ppm	7.1650 ppm	0.0192 ppm	0.1434 ppm	1.1528 ppm	0.0005 ppm	21.2830 ppm
Concentration per Run 1	0.0027 ppm	7.1063 ppm	0.0211 ppm	0.1412 ppm	1.1485 ppm	0.0005 ppm	21.0651 ppm
Concentration per Run 2	0.0020 ppm	7.2185 ppm	0.0187 ppm	0.1435 ppm	1.1576 ppm	0.0005 ppm	21.5365 ppm
Concentration per Run 3	0.0032 ppm	7.1701 ppm	0.0179 ppm	0.1455 ppm	1.1522 ppm	0.0005 ppm	21.2474 ppm
Concentration RSD	22.1 %	0.8 %	8.6 %	1.5 %	0.4 %	1.2 %	1.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0189 ppm	0.0234 ppm	0.1275 ppm	1.5983 ppm	71.2803 ppm	0.9892 ppm	0.0087 ppm
Concentration per Run 1	0.0190 ppm	0.0231 ppm	0.1273 ppm	1.6026 ppm	70.6702 ppm	0.9687 ppm	0.0077 ppm
Concentration per Run 2	0.0189 ppm	0.0231 ppm	0.1283 ppm	1.5990 ppm	72.1685 ppm	0.9988 ppm	0.0085 ppm
Concentration per Run 3	0.0186 ppm	0.0239 ppm	0.1269 ppm	1.5933 ppm	71.0024 ppm	1.0002 ppm	0.0099 ppm
Concentration RSD	1.0 %	2.0 %	0.6 %	0.3 %	1.1 %	1.8 %	12.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.1303 ppm	0.8416 ppm	0.0086 ppm	1.2023 ppm	0.1436 ppm	3.4307 ppm	0.0253 ppm
Concentration per Run 1	3.1484 ppm	0.8359 ppm	0.0085 ppm	1.1931 ppm	0.1416 ppm	3.4612 ppm	0.0246 ppm
Concentration per Run 2	3.1280 ppm	0.8479 ppm	0.0084 ppm	1.2102 ppm	0.1454 ppm	3.4004 ppm	0.0294 ppm
Concentration per Run 3	3.1144 ppm	0.8410 ppm	0.0088 ppm	1.2037 ppm	0.1437 ppm	3.4304 ppm	0.0218 ppm
Concentration RSD	0.5 %	0.7 %	2.3 %	0.7 %	1.3 %	0.9 %	15.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0015 ppm	1.1988 ppm	0.1074 ppm	0.1026 ppm	0.2683 ppm	0.0009 ppm	0.0780 ppm
Concentration per Run 1	-0.0024 ppm	1.2026 ppm	0.1079 ppm	0.1022 ppm	0.2691 ppm	0.0014 ppm	0.0785 ppm
Concentration per Run 2	-0.0022 ppm	1.1989 ppm	0.1063 ppm	0.1030 ppm	0.2673 ppm	0.0012 ppm	0.0782 ppm
Concentration per Run 3	0.0002 ppm	1.1949 ppm	0.1079 ppm	0.1027 ppm	0.2686 ppm	0.0002 ppm	0.0774 ppm
Concentration RSD	96.0 %	0.3 %	0.9 %	0.4 %	0.3 %	72.7 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	8.1269 ppm	102.0841 %	104.5030 %	100.0978 %	103.0097 %	104.8000 %	101.7160 %
Concentration per Run 1	8.1744 ppm	101.5601 %	105.3100 %	99.4482 %	103.1569 %	105.4314 %	101.7803 %
Concentration per Run 2	8.1118 ppm	102.0830 %	103.5942 %	100.8723 %	102.6033 %	104.0420 %	101.8996 %
Concentration per Run 3	8.0945 ppm	102.6092 %	104.6048 %	99.9729 %	103.2688 %	104.9264 %	101.4681 %
Concentration RSD	0.5 %	0.5 %	0.8 %	0.7 %	0.3 %	0.7 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115624-3D20 WG2115624
 Analysis started at: 9/17/2025 4:48:05 PM
 Rack: 2
 Vial: 18
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0079 ppm	10.9970 ppm	0.0268 ppm	0.1815 ppm	1.2091 ppm	0.0063 ppm	25.3541 ppm
Concentration per Run 1	0.0083 ppm	10.9805 ppm	0.0271 ppm	0.1843 ppm	1.2053 ppm	0.0064 ppm	25.3099 ppm
Concentration per Run 2	0.0076 ppm	10.9500 ppm	0.0253 ppm	0.1804 ppm	1.2078 ppm	0.0062 ppm	25.2643 ppm
Concentration per Run 3	0.0077 ppm	11.0604 ppm	0.0281 ppm	0.1798 ppm	1.2141 ppm	0.0063 ppm	25.4881 ppm
Concentration RSD	5.1 %	0.5 %	5.3 %	1.3 %	0.4 %	1.1 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0424 ppm	0.0697 ppm	0.1585 ppm	1.0167 ppm	53.3902 ppm	2.2971 ppm	0.0082 ppm
Concentration per Run 1	0.0421 ppm	0.0689 ppm	0.1596 ppm	1.0193 ppm	53.3596 ppm	2.2767 ppm	0.0074 ppm
Concentration per Run 2	0.0424 ppm	0.0695 ppm	0.1582 ppm	1.0157 ppm	53.1868 ppm	2.3132 ppm	0.0101 ppm
Concentration per Run 3	0.0428 ppm	0.0707 ppm	0.1577 ppm	1.0151 ppm	53.6244 ppm	2.3013 ppm	0.0072 ppm
Concentration RSD	0.7 %	1.3 %	0.6 %	0.2 %	0.4 %	0.8 %	19.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	4.5417 ppm	1.3420 ppm	0.1047 ppm	2.0357 ppm	0.2262 ppm	2.6220 ppm	0.0555 ppm
Concentration per Run 1	4.5500 ppm	1.3388 ppm	0.1043 ppm	2.0374 ppm	0.2264 ppm	2.6216 ppm	0.0553 ppm
Concentration per Run 2	4.5483 ppm	1.3356 ppm	0.1052 ppm	2.0399 ppm	0.2291 ppm	2.6121 ppm	0.0621 ppm
Concentration per Run 3	4.5267 ppm	1.3515 ppm	0.1045 ppm	2.0298 ppm	0.2230 ppm	2.6324 ppm	0.0491 ppm
Concentration RSD	0.3 %	0.6 %	0.4 %	0.3 %	1.4 %	0.4 %	11.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0065 ppm	1.5859 ppm	0.2190 ppm	0.2206 ppm	0.3927 ppm	0.0147 ppm	0.1109 ppm
Concentration per Run 1	0.0055 ppm	1.5819 ppm	0.2213 ppm	0.2199 ppm	0.3950 ppm	0.0153 ppm	0.1112 ppm
Concentration per Run 2	0.0049 ppm	1.5961 ppm	0.2192 ppm	0.2203 ppm	0.3930 ppm	0.0124 ppm	0.1106 ppm
Concentration per Run 3	0.0093 ppm	1.5798 ppm	0.2166 ppm	0.2217 ppm	0.3900 ppm	0.0162 ppm	0.1108 ppm
Concentration RSD	36.7 %	0.6 %	1.1 %	0.4 %	0.6 %	13.5 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	7.0327 ppm	103.1392 %	105.1296 %	101.8957 %	105.4287 %	106.7511 %	104.6861 %
Concentration per Run 1	6.9955 ppm	104.3195 %	105.7022 %	101.3023 %	106.1758 %	107.1436 %	104.2130 %
Concentration per Run 2	7.1129 ppm	102.2983 %	105.6464 %	101.8482 %	105.4895 %	107.3204 %	104.2326 %
Concentration per Run 3	6.9895 ppm	102.7998 %	104.0401 %	102.5366 %	104.6208 %	105.7893 %	105.6127 %
Concentration RSD	1.0 %	1.0 %	0.9 %	0.6 %	0.7 %	0.8 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115624-4D20 WG2115624
 Analysis started at: 9/17/2025 4:51:20 PM
 Rack: 2
 Vial: 19
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0099 ppm	7.6728 ppm	0.0252 ppm	0.1968 ppm	1.4925 ppm	0.0057 ppm	21.9131 ppm
Concentration per Run 1	0.0110 ppm	7.6671 ppm	0.0252 ppm	0.1983 ppm	1.4861 ppm	0.0057 ppm	21.8539 ppm
Concentration per Run 2	0.0088 ppm	7.7204 ppm	0.0231 ppm	0.1998 ppm	1.5047 ppm	0.0058 ppm	22.2490 ppm
Concentration per Run 3	0.0099 ppm	7.6308 ppm	0.0272 ppm	0.1924 ppm	1.4866 ppm	0.0056 ppm	21.6363 ppm
Concentration RSD	11.3 %	0.6 %	8.1 %	2.0 %	0.7 %	1.3 %	1.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0318 ppm	0.0704 ppm	0.1551 ppm	2.2368 ppm	67.6630 ppm	1.8487 ppm	0.0074 ppm
Concentration per Run 1	0.0321 ppm	0.0713 ppm	0.1564 ppm	2.2424 ppm	67.4203 ppm	1.8476 ppm	0.0075 ppm
Concentration per Run 2	0.0319 ppm	0.0701 ppm	0.1568 ppm	2.2563 ppm	68.1554 ppm	1.8475 ppm	0.0073 ppm
Concentration per Run 3	0.0315 ppm	0.0697 ppm	0.1522 ppm	2.2116 ppm	67.4131 ppm	1.8508 ppm	0.0074 ppm
Concentration RSD	0.9 %	1.2 %	1.7 %	1.0 %	0.6 %	0.1 %	1.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	4.1726 ppm	0.6838 ppm	0.1015 ppm	1.8265 ppm	0.3420 ppm	4.0877 ppm	0.0434 ppm
Concentration per Run 1	4.1882 ppm	0.6838 ppm	0.1028 ppm	1.8127 ppm	0.3448 ppm	4.0854 ppm	0.0454 ppm
Concentration per Run 2	4.2141 ppm	0.6899 ppm	0.1020 ppm	1.8475 ppm	0.3456 ppm	4.0557 ppm	0.0410 ppm
Concentration per Run 3	4.1155 ppm	0.6777 ppm	0.0997 ppm	1.8194 ppm	0.3355 ppm	4.1221 ppm	0.0439 ppm
Concentration RSD	1.2 %	0.9 %	1.6 %	1.0 %	1.6 %	0.8 %	5.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0057 ppm	1.9768 ppm	0.3468 ppm	0.1863 ppm	0.3136 ppm	0.0107 ppm	0.1210 ppm
Concentration per Run 1	0.0048 ppm	1.9856 ppm	0.3518 ppm	0.1866 ppm	0.3148 ppm	0.0096 ppm	0.1218 ppm
Concentration per Run 2	0.0072 ppm	1.9946 ppm	0.3493 ppm	0.1871 ppm	0.3170 ppm	0.0114 ppm	0.1223 ppm
Concentration per Run 3	0.0051 ppm	1.9503 ppm	0.3393 ppm	0.1853 ppm	0.3091 ppm	0.0112 ppm	0.1191 ppm
Concentration RSD	22.8 %	1.2 %	1.9 %	0.5 %	1.3 %	9.4 %	1.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	11.3609 ppm	102.9602 %	105.7756 %	101.7843 %	103.8823 %	105.9006 %	102.7601 %
Concentration per Run 1	11.5359 ppm	103.0656 %	105.7290 %	101.7921 %	104.5131 %	105.9291 %	103.0952 %
Concentration per Run 2	11.4291 ppm	100.9222 %	105.5513 %	102.6789 %	102.3593 %	105.9445 %	103.2369 %
Concentration per Run 3	11.1177 ppm	104.8929 %	106.0465 %	100.8819 %	104.7746 %	105.8284 %	101.9482 %
Concentration RSD	1.9 %	1.9 %	0.2 %	0.9 %	1.3 %	0.1 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115624-5D20 WG2115624
 Analysis started at: 9/17/2025 4:54:35 PM
 Rack: 2
 Vial: 20
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0573 ppm	8.9432 ppm	0.1341 ppm	1.1126 ppm	3.0332 ppm	0.0498 ppm	30.2917 ppm
Concentration per Run 1	0.0567 ppm	8.8937 ppm	0.1327 ppm	1.1112 ppm	3.0074 ppm	0.0494 ppm	30.1031 ppm
Concentration per Run 2	0.0588 ppm	9.0221 ppm	0.1326 ppm	1.1304 ppm	3.0557 ppm	0.0501 ppm	30.5855 ppm
Concentration per Run 3	0.0565 ppm	8.9138 ppm	0.1369 ppm	1.0963 ppm	3.0364 ppm	0.0500 ppm	30.1863 ppm
Concentration RSD	2.1 %	0.8 %	1.8 %	1.5 %	0.8 %	0.7 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0688 ppm	0.4983 ppm	0.3147 ppm	1.8044 ppm	68.9797 ppm	11.0681 ppm	0.0081 ppm
Concentration per Run 1	0.0692 ppm	0.5019 ppm	0.3167 ppm	1.8030 ppm	68.4712 ppm	10.9987 ppm	0.0080 ppm
Concentration per Run 2	0.0696 ppm	0.5003 ppm	0.3166 ppm	1.8204 ppm	69.3861 ppm	11.1394 ppm	0.0084 ppm
Concentration per Run 3	0.0677 ppm	0.4928 ppm	0.3108 ppm	1.7899 ppm	69.0819 ppm	11.0663 ppm	0.0080 ppm
Concentration RSD	1.4 %	1.0 %	1.1 %	0.9 %	0.7 %	0.6 %	2.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	12.6130 ppm	1.3017 ppm	0.9867 ppm	11.2080 ppm	0.6244 ppm	3.8728 ppm	0.4503 ppm
Concentration per Run 1	12.6506 ppm	1.2907 ppm	0.9871 ppm	11.1935 ppm	0.6220 ppm	3.8783 ppm	0.4384 ppm
Concentration per Run 2	12.6929 ppm	1.3156 ppm	0.9956 ppm	11.1992 ppm	0.6341 ppm	3.8601 ppm	0.4480 ppm
Concentration per Run 3	12.4955 ppm	1.2989 ppm	0.9774 ppm	11.2312 ppm	0.6170 ppm	3.8801 ppm	0.4645 ppm
Concentration RSD	0.8 %	1.0 %	0.9 %	0.2 %	1.4 %	0.3 %	2.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1136 ppm	1.9312 ppm	1.0713 [SIC 20]	1.0639 ppm	1.2244 ppm	0.1222 ppm	0.5695 ppm
Concentration per Run 1	0.1153 ppm	1.9383 ppm	1.0723 ppm	1.0536 ppm	1.2260 ppm	0.1152 ppm	0.5723 ppm
Concentration per Run 2	0.1125 ppm	1.9312 ppm	1.0881 ppm	1.0770 ppm	1.2350 ppm	0.1281 ppm	0.5725 ppm
Concentration per Run 3	0.1130 ppm	1.9241 ppm	1.0535 ppm	1.0612 ppm	1.2123 ppm	0.1234 ppm	0.5639 ppm
Concentration RSD	1.3 %	0.4 %	1.6 %	1.1 %	0.9 %	5.3 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	8.2303 ppm	103.1154 %	105.1752 %	99.4602 %	103.9833 %	105.1901 %	100.5469 %
Concentration per Run 1	8.2336 ppm	102.5409 %	106.4580 %	99.0602 %	103.3017 %	106.5048 %	100.4233 %
Concentration per Run 2	8.3573 ppm	101.8874 %	104.1775 %	99.5992 %	103.1751 %	104.8878 %	99.9955 %
Concentration per Run 3	8.0999 ppm	104.9180 %	104.8901 %	99.7212 %	105.4731 %	104.1777 %	101.2220 %
Concentration RSD	1.6 %	1.5 %	1.1 %	0.4 %	1.2 %	1.1 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2115624-6D100 WG2115624
 Analysis started at: 9/17/2025 4:57:50 PM
 Rack: 2
 Vial: 21
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0024 ppm	1.4406 ppm	0.0043 ppm	0.0289 ppm	0.2314 ppm	0.0001 ppm	4.2116 ppm
Concentration per Run 1	0.0020 ppm	1.4367 ppm	0.0038 ppm	0.0292 ppm	0.2301 ppm	0.0001 ppm	4.2121 ppm
Concentration per Run 2	0.0018 ppm	1.4485 ppm	0.0054 ppm	0.0303 ppm	0.2327 ppm	0.0000 ppm	4.2295 ppm
Concentration per Run 3	0.0034 ppm	1.4367 ppm	0.0036 ppm	0.0272 ppm	0.2315 ppm	0.0001 ppm	4.1933 ppm
Concentration RSD	37.6 %	0.5 %	22.8 %	5.4 %	0.6 %	50.7 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0038 ppm	0.0038 ppm	0.0253 ppm	0.3108 ppm	14.4879 ppm	0.2632 ppm	0.0023 ppm
Concentration per Run 1	0.0037 ppm	0.0041 ppm	0.0252 ppm	0.3095 ppm	14.4030 ppm	0.2729 ppm	0.0023 ppm
Concentration per Run 2	0.0036 ppm	0.0025 ppm	0.0258 ppm	0.3099 ppm	14.5332 ppm	0.2535 ppm	0.0018 ppm
Concentration per Run 3	0.0040 ppm	0.0047 ppm	0.0249 ppm	0.3131 ppm	14.5276 ppm	0.2632 ppm	0.0028 ppm
Concentration RSD	5.1 %	29.9 %	1.8 %	0.6 %	0.5 %	3.7 %	22.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.6053 ppm	0.1667 ppm	0.0040 ppm	0.2376 ppm	0.0288 ppm	0.6835 ppm	0.0221 ppm
Concentration per Run 1	0.6130 ppm	0.1672 ppm	0.0040 ppm	0.2363 ppm	0.0288 ppm	0.6823 ppm	0.0276 ppm
Concentration per Run 2	0.5975 ppm	0.1672 ppm	0.0037 ppm	0.2374 ppm	0.0296 ppm	0.6801 ppm	0.0100 ppm
Concentration per Run 3	0.6056 ppm	0.1657 ppm	0.0043 ppm	0.2392 ppm	0.0279 ppm	0.6879 ppm	0.0288 ppm
Concentration RSD	1.3 %	0.5 %	7.7 %	0.6 %	3.0 %	0.6 %	47.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0047 ppm	0.2371 ppm	0.0243 ppm	0.0204 ppm	0.0516 ppm	0.0036 ppm	0.0147 ppm
Concentration per Run 1	-0.0078 ppm	0.2376 ppm	0.0237 ppm	0.0203 ppm	0.0518 ppm	0.0022 ppm	0.0142 ppm
Concentration per Run 2	-0.0054 ppm	0.2377 ppm	0.0252 ppm	0.0206 ppm	0.0516 ppm	0.0034 ppm	0.0148 ppm
Concentration per Run 3	-0.0008 ppm	0.2361 ppm	0.0240 ppm	0.0204 ppm	0.0514 ppm	0.0053 ppm	0.0149 ppm
Concentration RSD	77.0 %	0.4 %	3.4 %	0.9 %	0.4 %	43.8 %	2.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.6333 ppm	101.4393 %	104.5712 %	100.7415 %	102.2042 %	104.0966 %	101.2616 %
Concentration per Run 1	1.6405 ppm	101.2461 %	104.5467 %	100.3285 %	102.0812 %	104.7073 %	100.7910 %
Concentration per Run 2	1.6271 ppm	101.5422 %	103.9606 %	100.7959 %	101.9494 %	103.2189 %	101.8171 %
Concentration per Run 3	1.6322 ppm	101.5295 %	105.2063 %	101.1000 %	102.5820 %	104.3634 %	101.1768 %
Concentration RSD	0.4 %	0.2 %	0.6 %	0.4 %	0.3 %	0.7 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
 Analysis started at: 9/17/2025 5:01:06 PM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5003 ppm	0.5409 ppm	0.5012 ppm	0.5134 ppm	0.5121 ppm	0.5260 ppm	0.5098 ppm
Concentration per Run 1	0.5012 ppm	0.5489 ppm	0.4990 ppm	0.5116 ppm	0.5133 ppm	0.5266 ppm	0.5168 ppm
Concentration per Run 2	0.4961 ppm	0.5334 ppm	0.5007 ppm	0.5155 ppm	0.5066 ppm	0.5209 ppm	0.5025 ppm
Concentration per Run 3	0.5035 ppm	0.5404 ppm	0.5038 ppm	0.5131 ppm	0.5166 ppm	0.5307 ppm	0.5102 ppm
Recovery Percentage 1	100.052 %	108.188 %	100.234 %	102.678 %	102.426 %	105.210 %	101.968 %
Concentration RSD	0.8 %	1.4 %	0.5 %	0.4 %	1.0 %	0.9 %	1.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5163 ppm	0.5192 ppm	0.5197 ppm	0.5070 ppm	0.5207 ppm	5.3786 ppm	0.5325 ppm
Concentration per Run 1	0.5130 ppm	0.5183 ppm	0.5210 ppm	0.5056 ppm	0.5219 ppm	5.3973 ppm	0.5331 ppm
Concentration per Run 2	0.5167 ppm	0.5168 ppm	0.5157 ppm	0.5058 ppm	0.5140 ppm	5.3258 ppm	0.5272 ppm
Concentration per Run 3	0.5191 ppm	0.5224 ppm	0.5223 ppm	0.5095 ppm	0.5264 ppm	5.4128 ppm	0.5371 ppm
Recovery Percentage 1	103.254 %	103.832 %	103.938 %	101.391 %	104.149 %	107.572 %	106.493 %
Concentration RSD	0.6 %	0.6 %	0.7 %	0.4 %	1.2 %	0.9 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4932 ppm	0.5194 ppm	0.5199 ppm	10.4242 ppm	0.5307 ppm	0.5142 ppm	0.5299 ppm
Concentration per Run 1	0.4858 ppm	0.5200 ppm	0.5182 ppm	10.4690 ppm	0.5296 ppm	0.5149 ppm	0.5278 ppm
Concentration per Run 2	0.4946 ppm	0.5116 ppm	0.5188 ppm	10.3798 ppm	0.5334 ppm	0.5150 ppm	0.5343 ppm
Concentration per Run 3	0.4992 ppm	0.5266 ppm	0.5227 ppm	10.4237 ppm	0.5292 ppm	0.5127 ppm	0.5274 ppm
Recovery Percentage 1	98.644 %	103.878 %	103.984 %	104.242 %	106.147 %	102.835 %	105.971 %
Concentration RSD	1.4 %	1.5 %	0.5 %	0.4 %	0.4 %	0.2 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.5010 ppm	5.5706 ppm	0.5210 ppm	0.5192 ppm	0.5047 ppm	0.5103 ppm	0.5176 ppm
Concentration per Run 1	0.4999 ppm	5.5503 ppm	0.5219 ppm	0.5198 ppm	0.5060 ppm	0.5106 ppm	0.5167 ppm
Concentration per Run 2	0.5035 ppm	5.5515 ppm	0.5233 ppm	0.5135 ppm	0.5017 ppm	0.5104 ppm	0.5162 ppm
Concentration per Run 3	0.4994 ppm	5.6101 ppm	0.5177 ppm	0.5243 ppm	0.5063 ppm	0.5098 ppm	0.5199 ppm
Recovery Percentage 1	100.194 %	106.107 %	104.193 %	103.837 %	100.932 %	102.053 %	103.523 %
Concentration RSD	0.4 %	0.6 %	0.6 %	1.0 %	0.5 %	0.1 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5272 ppm	100.8915 %	105.1759 %	102.0118 %	101.2769 %	104.4056 %	102.0770 %
Concentration per Run 1	0.5258 ppm	101.5770 %	105.1266 %	101.8653 %	101.7754 %	104.6474 %	101.9440 %
Concentration per Run 2	0.5277 ppm	100.5849 %	106.5380 %	101.8923 %	100.9920 %	105.7672 %	101.9733 %
Concentration per Run 3	0.5280 ppm	100.5127 %	103.8632 %	102.2778 %	101.0635 %	102.8021 %	102.3137 %
Recovery Percentage 1	105.436 %						
Concentration RSD	0.2 %	0.6 %	1.3 %	0.2 %	0.4 %	1.4 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 5:04:21 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0012 ppm	0.0272 ppm	0.0015 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 1	0.0006 ppm	0.0285 ppm	0.0009 ppm	-0.0012 ppm	0.0002 ppm	0.0001 ppm	-0.0034 ppm
Concentration per Run 2	0.0015 ppm	0.0277 ppm	0.0020 ppm	0.0018 ppm	0.0001 ppm	0.0001 ppm	0.0044 ppm
Concentration per Run 3	0.0015 ppm	0.0254 ppm	0.0017 ppm	-0.0002 ppm	0.0002 ppm	0.0001 ppm	-0.0013 ppm
Recovery Percentage 1	17.422 %	27.196 %	30.991 %	0.432 %	1.989 %	2.174 %	-0.096 %
Concentration RSD	43.7 %	5.9 %	38.7 %	1,195.3 %	26.0 %	18.3 %	4,153.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0016 ppm	-0.0007 ppm	0.0006 ppm	0.0025 ppm	0.0706 ppm	0.0013 ppm
Concentration per Run 1	0.0002 ppm	-0.0013 ppm	0.0005 ppm	0.0006 ppm	0.0026 ppm	0.0500 ppm	0.0019 ppm
Concentration per Run 2	0.0003 ppm	-0.0020 ppm	-0.0012 ppm	0.0006 ppm	0.0020 ppm	0.0783 ppm	0.0006 ppm
Concentration per Run 3	0.0001 ppm	-0.0015 ppm	-0.0015 ppm	0.0007 ppm	0.0028 ppm	0.0836 ppm	0.0015 ppm
Recovery Percentage 1	4.151 %	-8.075 %	-7.395 %	6.463 %	4.923 %	2.826 %	26.491 %
Concentration RSD	66.3 %	19.1 %	151.3 %	11.3 %	18.3 %	25.6 %	52.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0090 ppm	0.0000 ppm	0.0030 ppm	-0.0024 ppm	0.0006 ppm	-0.0002 ppm	-0.0005 ppm
Concentration per Run 1	-0.0121 ppm	0.0000 ppm	0.0036 ppm	-0.0049 ppm	0.0006 ppm	0.0006 ppm	-0.0030 ppm
Concentration per Run 2	-0.0050 ppm	0.0001 ppm	0.0025 ppm	-0.0013 ppm	0.0009 ppm	0.0009 ppm	0.0022 ppm
Concentration per Run 3	-0.0099 ppm	0.0000 ppm	0.0030 ppm	-0.0010 ppm	0.0004 ppm	-0.0023 ppm	-0.0008 ppm
Recovery Percentage 1	-9.016 %	0.364 %	6.068 %	-0.118 %	2.526 %	-2.351 %	-1.091 %
Concentration RSD	40.2 %	190.2 %	17.9 %	92.4 %	41.3 %	754.9 %	485.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0025 ppm	0.0023 ppm	0.0002 ppm	0.0000 ppm	-0.0022 ppm	0.0035 ppm	-0.0011 ppm
Concentration per Run 1	-0.0038 ppm	0.0035 ppm	-0.0012 ppm	-0.0001 ppm	-0.0014 ppm	0.0027 ppm	-0.0012 ppm
Concentration per Run 2	-0.0022 ppm	0.0018 ppm	0.0025 ppm	0.0001 ppm	-0.0028 ppm	0.0038 ppm	-0.0005 ppm
Concentration per Run 3	-0.0015 ppm	0.0016 ppm	-0.0006 ppm	0.0001 ppm	-0.0024 ppm	0.0038 ppm	-0.0017 ppm
Recovery Percentage 1	-24.795 %	0.461 %	0.455 %	0.144 %	-22.164 %	17.250 %	-11.255 %
Concentration RSD	48.3 %	43.7 %	866.3 %	739.8 %	32.1 %	19.3 %	57.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	100.3458 %	102.8061 %	99.0869 %	102.0353 %	103.2694 %	99.5312 %
Concentration per Run 1	-0.0001 ppm	99.7377 %	103.4523 %	98.9460 %	101.6351 %	103.8290 %	99.5871 %
Concentration per Run 2	0.0001 ppm	100.9310 %	102.8140 %	99.1715 %	101.8225 %	103.0285 %	99.9584 %
Concentration per Run 3	-0.0002 ppm	100.3688 %	102.1518 %	99.1432 %	102.6483 %	102.9509 %	99.0480 %
Recovery Percentage 1	-1.384 %						
Concentration RSD	263.4 %	0.6 %	0.6 %	0.1 %	0.5 %	0.5 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113541-1 WG2113541
 Analysis started at: 9/17/2025 6:02:41 PM
 Rack: 2
 Vial: 22
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	0.0319 ppm	0.0018 ppm	0.0058 ppm	0.0078 ppm	0.0002 ppm	0.0422 ppm
Concentration per Run 1	-0.0005 ppm	0.0366 ppm	-0.0009 ppm	0.0070 ppm	0.0082 ppm	0.0002 ppm	0.0451 ppm
Concentration per Run 2	0.0012 ppm	0.0302 ppm	0.0027 ppm	0.0030 ppm	0.0078 ppm	0.0002 ppm	0.0430 ppm
Concentration per Run 3	0.0014 ppm	0.0291 ppm	0.0036 ppm	0.0074 ppm	0.0074 ppm	0.0002 ppm	0.0386 ppm
Concentration RSD	155.5 %	12.7 %	132.0 %	41.6 %	5.4 %	1.2 %	7.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0014 ppm	0.0003 ppm	0.0010 ppm	0.0076 ppm	0.1100 ppm	0.0002 ppm
Concentration per Run 1	0.0003 ppm	0.0013 ppm	0.0007 ppm	0.0010 ppm	0.0088 ppm	0.0979 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	0.0009 ppm	-0.0005 ppm	0.0001 ppm	0.0066 ppm	0.1259 ppm	-0.0001 ppm
Concentration per Run 3	0.0001 ppm	0.0020 ppm	0.0007 ppm	0.0019 ppm	0.0073 ppm	0.1061 ppm	0.0003 ppm
Concentration RSD	141.4 %	41.5 %	210.1 %	86.8 %	14.6 %	13.1 %	149.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0338 ppm	0.0019 ppm	0.0144 ppm	0.0442 ppm	0.0023 ppm	-0.0001 ppm	0.0048 ppm
Concentration per Run 1	0.0257 ppm	0.0022 ppm	0.0151 ppm	0.0450 ppm	0.0025 ppm	-0.0008 ppm	0.0039 ppm
Concentration per Run 2	0.0366 ppm	0.0017 ppm	0.0138 ppm	0.0454 ppm	0.0023 ppm	0.0029 ppm	0.0091 ppm
Concentration per Run 3	0.0391 ppm	0.0019 ppm	0.0142 ppm	0.0422 ppm	0.0020 ppm	-0.0023 ppm	0.0013 ppm
Concentration RSD	21.0 %	13.0 %	4.8 %	3.9 %	9.9 %	5,145.3 %	83.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0016 ppm	0.0087 ppm	0.0090 ppm	0.0039 ppm	0.0033 ppm	0.0079 ppm	0.0009 ppm
Concentration per Run 1	-0.0042 ppm	0.0118 ppm	0.0108 ppm	0.0041 ppm	0.0037 ppm	0.0081 ppm	0.0007 ppm
Concentration per Run 2	0.0008 ppm	0.0078 ppm	0.0074 ppm	0.0039 ppm	0.0027 ppm	0.0101 ppm	0.0006 ppm
Concentration per Run 3	-0.0014 ppm	0.0066 ppm	0.0087 ppm	0.0037 ppm	0.0036 ppm	0.0055 ppm	0.0013 ppm
Concentration RSD	155.9 %	31.4 %	19.4 %	5.3 %	16.7 %	29.4 %	46.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0022 ppm	102.8630 %	108.6868 %	103.3083 %	103.8051 %	107.9569 %	103.6752 %
Concentration per Run 1	0.0021 ppm	102.6593 %	109.2928 %	102.0306 %	103.8310 %	107.6995 %	102.5489 %
Concentration per Run 2	0.0020 ppm	103.9915 %	109.1542 %	103.6961 %	104.4918 %	108.5435 %	104.3031 %
Concentration per Run 3	0.0025 ppm	101.9381 %	107.6134 %	104.1983 %	103.0923 %	107.6276 %	104.1736 %
Concentration RSD	11.6 %	1.0 %	0.9 %	1.1 %	0.7 %	0.5 %	0.9 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113541-2 WG2113541
 Analysis started at: 9/17/2025 6:06:10 PM
 Rack: 2
 Vial: 23
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0499 ppm	2.0728 ppm	0.1255 ppm	1.0191 ppm	1.9914 ppm	0.0506 ppm	10.1804 ppm
Concentration per Run 1	0.0499 ppm	2.0756 ppm	0.1255 ppm	1.0164 ppm	1.9925 ppm	0.0507 ppm	10.1975 ppm
Concentration per Run 2	0.0491 ppm	2.0820 ppm	0.1262 ppm	1.0077 ppm	2.0016 ppm	0.0506 ppm	10.1758 ppm
Concentration per Run 3	0.0506 ppm	2.0609 ppm	0.1250 ppm	1.0334 ppm	1.9803 ppm	0.0503 ppm	10.1679 ppm
Concentration RSD	1.6 %	0.5 %	0.5 %	1.3 %	0.5 %	0.4 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0527 ppm	0.4902 ppm	0.1982 ppm	0.2416 ppm	1.0026 ppm	10.5833 ppm	0.0006 ppm
Concentration per Run 1	0.0526 ppm	0.4892 ppm	0.1987 ppm	0.2416 ppm	1.0021 ppm	10.5891 ppm	0.0009 ppm
Concentration per Run 2	0.0522 ppm	0.4876 ppm	0.1962 ppm	0.2409 ppm	1.0079 ppm	10.6354 ppm	0.0001 ppm
Concentration per Run 3	0.0532 ppm	0.4939 ppm	0.1996 ppm	0.2423 ppm	0.9977 ppm	10.5254 ppm	0.0008 ppm
Concentration RSD	1.0 %	0.7 %	0.9 %	0.3 %	0.5 %	0.5 %	77.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.9648 ppm	0.4999 ppm	1.0094 ppm	10.5019 ppm	0.5042 ppm	0.5395 ppm	0.4101 ppm
Concentration per Run 1	9.9734 ppm	0.5002 ppm	1.0033 ppm	10.4749 ppm	0.5033 ppm	0.5402 ppm	0.4090 ppm
Concentration per Run 2	9.8665 ppm	0.5005 ppm	1.0009 ppm	10.5168 ppm	0.4971 ppm	0.5395 ppm	0.4044 ppm
Concentration per Run 3	10.0546 ppm	0.4990 ppm	1.0238 ppm	10.5139 ppm	0.5123 ppm	0.5387 ppm	0.4170 ppm
Concentration RSD	0.9 %	0.2 %	1.2 %	0.2 %	1.5 %	0.1 %	1.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1230 ppm	1.0452 ppm	0.9760 ppm	0.9983 ppm	1.0054 ppm	0.1212 ppm	0.5082 ppm
Concentration per Run 1	0.1208 ppm	1.0389 ppm	0.9756 ppm	1.0000 ppm	1.0058 ppm	0.1209 ppm	0.5082 ppm
Concentration per Run 2	0.1204 ppm	1.0420 ppm	0.9674 ppm	1.0037 ppm	0.9942 ppm	0.1224 ppm	0.5047 ppm
Concentration per Run 3	0.1278 ppm	1.0546 ppm	0.9849 ppm	0.9911 ppm	1.0163 ppm	0.1204 ppm	0.5117 ppm
Concentration RSD	3.4 %	0.8 %	0.9 %	0.6 %	1.1 %	0.9 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5074 ppm	103.7891 %	106.8488 %	102.0093 %	103.0324 %	105.2228 %	101.2772 %
Concentration per Run 1	0.5078 ppm	103.9126 %	107.1696 %	102.3672 %	102.3538 %	105.7415 %	101.7393 %
Concentration per Run 2	0.5019 ppm	105.0816 %	106.0005 %	101.3506 %	104.4652 %	104.7192 %	100.1431 %
Concentration per Run 3	0.5125 ppm	102.3730 %	107.3764 %	102.3101 %	102.2782 %	105.2078 %	101.9491 %
Concentration RSD	1.0 %	1.3 %	0.7 %	0.6 %	1.2 %	0.5 %	1.0 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556334-03 WG2113541
 Analysis started at: 9/17/2025 6:09:26 PM
 Rack: 2
 Vial: 24
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0013 ppm	0.0297 ppm	0.0028 ppm	0.0200 ppm	0.0171 ppm	0.0001 ppm	14.5878 ppm
Concentration per Run 1	0.0011 ppm	0.0352 ppm	0.0011 ppm	0.0185 ppm	0.0172 ppm	0.0001 ppm	14.5993 ppm
Concentration per Run 2	0.0014 ppm	0.0231 ppm	0.0035 ppm	0.0212 ppm	0.0169 ppm	0.0001 ppm	14.5496 ppm
Concentration per Run 3	0.0014 ppm	0.0307 ppm	0.0036 ppm	0.0202 ppm	0.0171 ppm	0.0000 ppm	14.6146 ppm
Concentration RSD	15.3 %	20.6 %	52.4 %	6.7 %	0.8 %	30.3 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0004 ppm	0.0000 ppm	0.0024 ppm	0.1878 ppm	3.1922 ppm	0.0011 ppm
Concentration per Run 1	-0.0002 ppm	-0.0005 ppm	0.0002 ppm	0.0019 ppm	0.1892 ppm	3.2035 ppm	0.0023 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	-0.0011 ppm	0.0018 ppm	0.1869 ppm	3.1885 ppm	0.0007 ppm
Concentration per Run 3	-0.0001 ppm	-0.0006 ppm	0.0009 ppm	0.0033 ppm	0.1874 ppm	3.1846 ppm	0.0004 ppm
Concentration RSD	38.4 %	83.3 %	3,286.0 %	35.4 %	0.6 %	0.3 %	89.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	2.1687 ppm	0.0637 ppm	0.0048 ppm	35.8151 ppm	0.0009 ppm	-0.0016 ppm	0.0085 ppm
Concentration per Run 1	2.1644 ppm	0.0637 ppm	0.0053 ppm	35.7778 ppm	0.0006 ppm	-0.0026 ppm	0.0070 ppm
Concentration per Run 2	2.1638 ppm	0.0635 ppm	0.0050 ppm	35.8244 ppm	0.0008 ppm	0.0010 ppm	0.0100 ppm
Concentration per Run 3	2.1780 ppm	0.0639 ppm	0.0043 ppm	35.8430 ppm	0.0013 ppm	-0.0031 ppm	0.0083 ppm
Concentration RSD	0.4 %	0.3 %	10.5 %	0.1 %	41.8 %	142.9 %	17.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0031 ppm	1.8656 ppm	0.0081 ppm	0.0932 ppm	-0.0013 ppm	0.0027 ppm	-0.0004 ppm
Concentration per Run 1	-0.0018 ppm	1.8622 ppm	0.0075 ppm	0.0931 ppm	-0.0010 ppm	0.0039 ppm	0.0000 ppm
Concentration per Run 2	-0.0056 ppm	1.8611 ppm	0.0067 ppm	0.0929 ppm	-0.0018 ppm	0.0032 ppm	-0.0007 ppm
Concentration per Run 3	-0.0020 ppm	1.8735 ppm	0.0100 ppm	0.0936 ppm	-0.0010 ppm	0.0011 ppm	-0.0006 ppm
Concentration RSD	68.6 %	0.4 %	21.3 %	0.4 %	37.3 %	54.2 %	88.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0093 ppm	105.9921 %	108.4148 %	104.1217 %	105.7709 %	106.3839 %	103.8106 %
Concentration per Run 1	0.0093 ppm	105.9524 %	108.1469 %	103.4234 %	106.0122 %	106.6756 %	103.0954 %
Concentration per Run 2	0.0092 ppm	105.6091 %	108.3580 %	105.7632 %	104.9826 %	105.7869 %	105.3503 %
Concentration per Run 3	0.0094 ppm	106.4149 %	108.7394 %	103.1786 %	106.3179 %	106.6892 %	102.9860 %
Concentration RSD	1.0 %	0.4 %	0.3 %	1.4 %	0.7 %	0.5 %	1.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113541-3 WG2113541
 Analysis started at: 9/17/2025 6:12:41 PM
 Rack: 2
 Vial: 25
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0506 ppm	2.0432 ppm	0.1279 ppm	1.0335 ppm	1.9858 ppm	0.0507 ppm	24.5205 ppm
Concentration per Run 1	0.0498 ppm	2.0454 ppm	0.1277 ppm	1.0326 ppm	1.9855 ppm	0.0507 ppm	24.4083 ppm
Concentration per Run 2	0.0512 ppm	2.0422 ppm	0.1273 ppm	1.0320 ppm	1.9873 ppm	0.0506 ppm	24.5081 ppm
Concentration per Run 3	0.0507 ppm	2.0419 ppm	0.1287 ppm	1.0358 ppm	1.9847 ppm	0.0507 ppm	24.6450 ppm
Concentration RSD	1.4 %	0.1 %	0.6 %	0.2 %	0.1 %	0.2 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0513 ppm	0.4878 ppm	0.1974 ppm	0.2499 ppm	1.1749 ppm	13.8044 ppm	0.0011 ppm
Concentration per Run 1	0.0515 ppm	0.4881 ppm	0.1974 ppm	0.2482 ppm	1.1788 ppm	13.7959 ppm	0.0009 ppm
Concentration per Run 2	0.0511 ppm	0.4869 ppm	0.1964 ppm	0.2516 ppm	1.1786 ppm	13.8074 ppm	0.0006 ppm
Concentration per Run 3	0.0514 ppm	0.4885 ppm	0.1985 ppm	0.2499 ppm	1.1672 ppm	13.8100 ppm	0.0016 ppm
Concentration RSD	0.3 %	0.2 %	0.6 %	0.7 %	0.6 %	0.1 %	50.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	12.1301 ppm	0.5531 ppm	1.0068 ppm	46.0714 ppm	0.4998 ppm	0.5470 ppm	0.4185 ppm
Concentration per Run 1	12.1387 ppm	0.5540 ppm	1.0013 ppm	45.8991 ppm	0.4986 ppm	0.5485 ppm	0.4110 ppm
Concentration per Run 2	12.0768 ppm	0.5509 ppm	1.0041 ppm	46.1045 ppm	0.4957 ppm	0.5448 ppm	0.4267 ppm
Concentration per Run 3	12.1749 ppm	0.5545 ppm	1.0151 ppm	46.2105 ppm	0.5052 ppm	0.5479 ppm	0.4177 ppm
Concentration RSD	0.4 %	0.4 %	0.7 %	0.3 %	1.0 %	0.4 %	1.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1255 ppm	2.9779 ppm	0.9546 ppm	1.0945 ppm	1.0052 ppm	0.1283 ppm	0.5035 ppm
Concentration per Run 1	0.1226 ppm	2.9732 ppm	0.9506 ppm	1.0950 ppm	1.0040 ppm	0.1305 ppm	0.5031 ppm
Concentration per Run 2	0.1228 ppm	2.9758 ppm	0.9530 ppm	1.0919 ppm	1.0033 ppm	0.1265 ppm	0.5034 ppm
Concentration per Run 3	0.1312 ppm	2.9846 ppm	0.9603 ppm	1.0966 ppm	1.0084 ppm	0.1277 ppm	0.5040 ppm
Concentration RSD	3.9 %	0.2 %	0.5 %	0.2 %	0.3 %	1.6 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5077 ppm	107.0065 %	108.6673 %	103.6223 %	106.4994 %	106.1046 %	103.1463 %
Concentration per Run 1	0.5068 ppm	107.2033 %	108.0532 %	103.4449 %	106.8227 %	105.7559 %	103.4274 %
Concentration per Run 2	0.5069 ppm	107.5889 %	109.5357 %	104.7480 %	107.2369 %	106.6092 %	104.1367 %
Concentration per Run 3	0.5095 ppm	106.2274 %	108.4130 %	102.6740 %	105.4387 %	105.9486 %	101.8747 %
Concentration RSD	0.3 %	0.7 %	0.7 %	1.0 %	0.9 %	0.4 %	1.1 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113541-4 WG2113541
 Analysis started at: 9/17/2025 6:15:57 PM
 Rack: 2
 Vial: 26
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0017 ppm	0.0309 ppm	0.0024 ppm	0.0205 ppm	0.0168 ppm	0.0001 ppm	14.5028 ppm
Concentration per Run 1	0.0019 ppm	0.0297 ppm	0.0006 ppm	0.0192 ppm	0.0170 ppm	0.0001 ppm	14.5638 ppm
Concentration per Run 2	0.0013 ppm	0.0294 ppm	0.0024 ppm	0.0202 ppm	0.0167 ppm	0.0001 ppm	14.4339 ppm
Concentration per Run 3	0.0019 ppm	0.0336 ppm	0.0042 ppm	0.0219 ppm	0.0169 ppm	0.0000 ppm	14.5107 ppm
Concentration RSD	18.7 %	7.6 %	76.6 %	6.7 %	1.0 %	57.5 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0290 ppm	0.0029 ppm	0.3917 ppm	3.1719 ppm	0.0030 ppm
Concentration per Run 1	-0.0001 ppm	0.0008 ppm	0.0303 ppm	0.0021 ppm	0.3888 ppm	3.1686 ppm	0.0041 ppm
Concentration per Run 2	-0.0001 ppm	-0.0004 ppm	0.0282 ppm	0.0029 ppm	0.3916 ppm	3.1559 ppm	0.0027 ppm
Concentration per Run 3	-0.0001 ppm	-0.0006 ppm	0.0285 ppm	0.0038 ppm	0.3946 ppm	3.1913 ppm	0.0021 ppm
Concentration RSD	13.5 %	2,056.3 %	3.7 %	27.6 %	0.7 %	0.6 %	34.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	2.1659 ppm	0.0657 ppm	0.0059 ppm	35.7239 ppm	0.0021 ppm	-0.0043 ppm	0.0033 ppm
Concentration per Run 1	2.1789 ppm	0.0658 ppm	0.0066 ppm	35.7479 ppm	0.0015 ppm	-0.0056 ppm	0.0021 ppm
Concentration per Run 2	2.1648 ppm	0.0659 ppm	0.0054 ppm	35.4364 ppm	0.0006 ppm	-0.0036 ppm	0.0097 ppm
Concentration per Run 3	2.1540 ppm	0.0652 ppm	0.0058 ppm	35.9873 ppm	0.0040 ppm	-0.0038 ppm	-0.0020 ppm
Concentration RSD	0.6 %	0.6 %	10.3 %	0.8 %	83.6 %	24.6 %	182.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0021 ppm	1.8788 ppm	0.0135 ppm	0.0928 ppm	-0.0008 ppm	0.0060 ppm	-0.0009 ppm
Concentration per Run 1	-0.0040 ppm	1.8849 ppm	0.0133 ppm	0.0934 ppm	-0.0007 ppm	0.0084 ppm	-0.0011 ppm
Concentration per Run 2	-0.0046 ppm	1.8841 ppm	0.0137 ppm	0.0919 ppm	-0.0009 ppm	0.0067 ppm	-0.0013 ppm
Concentration per Run 3	0.0024 ppm	1.8673 ppm	0.0134 ppm	0.0932 ppm	-0.0008 ppm	0.0029 ppm	-0.0002 ppm
Concentration RSD	189.4 %	0.5 %	1.5 %	0.9 %	10.5 %	46.9 %	66.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0085 ppm	106.9458 %	109.3180 %	105.3891 %	107.1073 %	107.2943 %	105.2230 %
Concentration per Run 1	0.0084 ppm	106.2441 %	108.4191 %	106.3079 %	106.4296 %	106.8311 %	105.5538 %
Concentration per Run 2	0.0088 ppm	106.7223 %	110.0375 %	104.3193 %	107.1641 %	107.9117 %	104.7714 %
Concentration per Run 3	0.0083 ppm	107.8710 %	109.4975 %	105.5401 %	107.7282 %	107.1402 %	105.3436 %
Concentration RSD	3.2 %	0.8 %	0.8 %	1.0 %	0.6 %	0.5 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113541-5 WG2113541
 Analysis started at: 9/17/2025 6:19:12 PM
 Rack: 2
 Vial: 27
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0425 ppm	1.7387 ppm	0.1046 ppm	0.8720 ppm	1.6846 ppm	0.0429 ppm	22.5761 ppm
Concentration per Run 1	0.0431 ppm	1.7417 ppm	0.1072 ppm	0.8694 ppm	1.6760 ppm	0.0428 ppm	22.4527 ppm
Concentration per Run 2	0.0418 ppm	1.7358 ppm	0.1031 ppm	0.8632 ppm	1.6934 ppm	0.0431 ppm	22.5813 ppm
Concentration per Run 3	0.0427 ppm	1.7385 ppm	0.1033 ppm	0.8835 ppm	1.6843 ppm	0.0428 ppm	22.6945 ppm
Concentration RSD	1.6 %	0.2 %	2.2 %	1.2 %	0.5 %	0.4 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0441 ppm	0.4151 ppm	0.1671 ppm	0.2116 ppm	1.0189 ppm	11.8575 ppm	0.0014 ppm
Concentration per Run 1	0.0438 ppm	0.4130 ppm	0.1659 ppm	0.2116 ppm	1.0155 ppm	11.7871 ppm	0.0021 ppm
Concentration per Run 2	0.0441 ppm	0.4156 ppm	0.1665 ppm	0.2106 ppm	1.0229 ppm	11.9066 ppm	0.0007 ppm
Concentration per Run 3	0.0444 ppm	0.4168 ppm	0.1690 ppm	0.2126 ppm	1.0183 ppm	11.8788 ppm	0.0015 ppm
Concentration RSD	0.7 %	0.5 %	1.0 %	0.5 %	0.4 %	0.5 %	50.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.4278 ppm	0.4760 ppm	0.8372 ppm	43.2429 ppm	0.4275 ppm	0.4488 ppm	0.2657 ppm
Concentration per Run 1	10.3781 ppm	0.4750 ppm	0.8331 ppm	43.0100 ppm	0.4227 ppm	0.4473 ppm	0.2615 ppm
Concentration per Run 2	10.4244 ppm	0.4760 ppm	0.8321 ppm	43.2311 ppm	0.4271 ppm	0.4462 ppm	0.2601 ppm
Concentration per Run 3	10.4810 ppm	0.4769 ppm	0.8464 ppm	43.4877 ppm	0.4328 ppm	0.4528 ppm	0.2754 ppm
Concentration RSD	0.5 %	0.2 %	1.0 %	0.6 %	1.2 %	0.8 %	3.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0996 ppm	2.6061 ppm	0.8119 ppm	0.9212 ppm	0.8363 ppm	0.1050 ppm	0.4284 ppm
Concentration per Run 1	0.0989 ppm	2.5783 ppm	0.7997 ppm	0.9171 ppm	0.8336 ppm	0.1069 ppm	0.4263 ppm
Concentration per Run 2	0.0989 ppm	2.6135 ppm	0.8120 ppm	0.9263 ppm	0.8363 ppm	0.1044 ppm	0.4284 ppm
Concentration per Run 3	0.1011 ppm	2.6264 ppm	0.8239 ppm	0.9200 ppm	0.8389 ppm	0.1037 ppm	0.4304 ppm
Concentration RSD	1.3 %	1.0 %	1.5 %	0.5 %	0.3 %	1.6 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4357 ppm	105.8572 %	109.0631 %	104.8716 %	105.4391 %	107.3193 %	104.5311 %
Concentration per Run 1	0.4310 ppm	105.7996 %	109.2830 %	104.3145 %	105.6312 %	107.6841 %	103.6835 %
Concentration per Run 2	0.4345 ppm	106.8339 %	108.5336 %	105.4596 %	106.0438 %	106.7979 %	105.3762 %
Concentration per Run 3	0.4416 ppm	104.9380 %	109.3728 %	104.8406 %	104.6423 %	107.4758 %	104.5336 %
Concentration RSD	1.2 %	0.9 %	0.4 %	0.5 %	0.7 %	0.4 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113541-6d5 WG2113541
 Analysis started at: 9/17/2025 6:22:27 PM
 Rack: 2
 Vial: 28
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	0.0290 ppm	0.0027 ppm	0.0054 ppm	0.0036 ppm	0.0000 ppm	2.8518 ppm
Concentration per Run 1	0.0015 ppm	0.0286 ppm	0.0003 ppm	0.0065 ppm	0.0034 ppm	0.0000 ppm	2.8270 ppm
Concentration per Run 2	-0.0007 ppm	0.0342 ppm	0.0041 ppm	0.0048 ppm	0.0037 ppm	0.0001 ppm	2.8599 ppm
Concentration per Run 3	0.0006 ppm	0.0241 ppm	0.0037 ppm	0.0047 ppm	0.0035 ppm	0.0001 ppm	2.8684 ppm
Concentration RSD	231.1 %	17.3 %	77.4 %	18.8 %	3.6 %	109.0 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0013 ppm	-0.0007 ppm	0.0008 ppm	0.0412 ppm	0.6700 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0008 ppm	-0.0002 ppm	0.0012 ppm	0.0397 ppm	0.6682 ppm	-0.0002 ppm
Concentration per Run 2	-0.0002 ppm	-0.0016 ppm	-0.0012 ppm	0.0007 ppm	0.0413 ppm	0.6691 ppm	0.0019 ppm
Concentration per Run 3	0.0002 ppm	-0.0016 ppm	-0.0007 ppm	0.0005 ppm	0.0425 ppm	0.6726 ppm	-0.0005 ppm
Concentration RSD	945.1 %	37.1 %	69.9 %	44.2 %	3.4 %	0.3 %	336.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4134 ppm	0.0126 ppm	0.0049 ppm	7.1548 ppm	0.0008 ppm	-0.0021 ppm	0.0339 ppm
Concentration per Run 1	0.4131 ppm	0.0125 ppm	0.0058 ppm	7.1041 ppm	0.0009 ppm	-0.0025 ppm	0.0351 ppm
Concentration per Run 2	0.4149 ppm	0.0126 ppm	0.0034 ppm	7.1650 ppm	0.0004 ppm	-0.0024 ppm	0.0336 ppm
Concentration per Run 3	0.4121 ppm	0.0126 ppm	0.0056 ppm	7.1954 ppm	0.0012 ppm	-0.0014 ppm	0.0331 ppm
Concentration RSD	0.3 %	0.4 %	27.2 %	0.6 %	51.6 %	29.9 %	3.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0002 ppm	0.3595 ppm	0.0290 ppm	0.0184 ppm	-0.0015 ppm	0.0012 ppm	-0.0008 ppm
Concentration per Run 1	0.0012 ppm	0.3593 ppm	0.0308 ppm	0.0183 ppm	-0.0022 ppm	0.0019 ppm	-0.0008 ppm
Concentration per Run 2	-0.0031 ppm	0.3645 ppm	0.0295 ppm	0.0184 ppm	-0.0011 ppm	0.0035 ppm	-0.0007 ppm
Concentration per Run 3	0.0013 ppm	0.3548 ppm	0.0267 ppm	0.0185 ppm	-0.0013 ppm	-0.0019 ppm	-0.0010 ppm
Concentration RSD	1,302.0 %	1.4 %	7.2 %	0.6 %	37.6 %	234.2 %	20.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0019 ppm	103.5847 %	107.6085 %	102.8876 %	103.4469 %	105.7075 %	103.1568 %
Concentration per Run 1	0.0021 ppm	103.5056 %	108.2794 %	102.1683 %	103.0624 %	106.4910 %	102.9413 %
Concentration per Run 2	0.0020 ppm	102.4082 %	107.1133 %	103.3257 %	102.1881 %	105.3899 %	103.5214 %
Concentration per Run 3	0.0015 ppm	104.8403 %	107.4328 %	103.1687 %	105.0903 %	105.2417 %	103.0076 %
Concentration RSD	18.4 %	1.2 %	0.6 %	0.6 %	1.4 %	0.6 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556332-02 WG2113541
 Analysis started at: 9/17/2025 6:26:26 PM
 Rack: 2
 Vial: 34
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0019 ppm	0.0236 ppm	0.0021 ppm	0.0381 ppm	0.0210 ppm	0.0001 ppm	18.5493 ppm
Concentration per Run 1	0.0006 ppm	0.0200 ppm	0.0025 ppm	0.0358 ppm	0.0211 ppm	0.0001 ppm	18.6552 ppm
Concentration per Run 2	0.0026 ppm	0.0211 ppm	0.0017 ppm	0.0411 ppm	0.0208 ppm	0.0000 ppm	18.5246 ppm
Concentration per Run 3	0.0023 ppm	0.0298 ppm	0.0021 ppm	0.0375 ppm	0.0210 ppm	0.0001 ppm	18.4679 ppm
Concentration RSD	57.2 %	22.8 %	17.5 %	7.1 %	0.9 %	63.4 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0014 ppm	0.0011 ppm	0.0052 ppm	0.2384 ppm	8.3690 ppm	0.0024 ppm
Concentration per Run 1	-0.0001 ppm	-0.0017 ppm	0.0015 ppm	0.0052 ppm	0.2412 ppm	8.4716 ppm	0.0019 ppm
Concentration per Run 2	0.0001 ppm	-0.0017 ppm	0.0006 ppm	0.0051 ppm	0.2398 ppm	8.3069 ppm	0.0032 ppm
Concentration per Run 3	0.0000 ppm	-0.0007 ppm	0.0012 ppm	0.0052 ppm	0.2342 ppm	8.3287 ppm	0.0022 ppm
Concentration RSD	889.3 %	43.7 %	40.5 %	0.8 %	1.5 %	1.1 %	28.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.2772 ppm	0.0725 ppm	0.0009 ppm	92.2663 ppm	0.0082 ppm	-0.0030 ppm	-0.0020 ppm
Concentration per Run 1	3.2917 ppm	0.0731 ppm	0.0007 ppm	92.8691 ppm	0.0099 ppm	-0.0030 ppm	-0.0034 ppm
Concentration per Run 2	3.2627 ppm	0.0720 ppm	0.0005 ppm	91.9589 ppm	0.0087 ppm	-0.0035 ppm	0.0020 ppm
Concentration per Run 3	3.2772 ppm	0.0725 ppm	0.0015 ppm	91.9708 ppm	0.0060 ppm	-0.0026 ppm	-0.0045 ppm
Concentration RSD	0.4 %	0.8 %	57.4 %	0.6 %	24.1 %	14.7 %	174.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0005 ppm	2.1121 ppm	0.0012 ppm	0.1330 ppm	-0.0016 ppm	0.0030 ppm	-0.0003 ppm
Concentration per Run 1	-0.0012 ppm	2.1208 ppm	0.0019 ppm	0.1344 ppm	-0.0021 ppm	-0.0007 ppm	-0.0004 ppm
Concentration per Run 2	0.0000 ppm	2.1081 ppm	0.0032 ppm	0.1322 ppm	-0.0013 ppm	0.0052 ppm	-0.0004 ppm
Concentration per Run 3	-0.0002 ppm	2.1074 ppm	-0.0015 ppm	0.1324 ppm	-0.0013 ppm	0.0044 ppm	0.0000 ppm
Concentration RSD	131.6 %	0.4 %	205.1 %	0.9 %	31.4 %	108.2 %	79.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0006 ppm	107.2280 %	107.4898 %	107.1575 %	106.2853 %	104.8992 %	105.9807 %
Concentration per Run 1	-0.0002 ppm	106.8879 %	105.2583 %	107.3662 %	105.5264 %	103.1431 %	106.7080 %
Concentration per Run 2	-0.0010 ppm	107.3826 %	108.8389 %	106.8934 %	106.9590 %	105.8483 %	105.1781 %
Concentration per Run 3	-0.0005 ppm	107.4135 %	108.3723 %	107.2130 %	106.3704 %	105.7061 %	106.0561 %
Concentration RSD	64.7 %	0.3 %	1.8 %	0.2 %	0.7 %	1.5 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556332-05 WG2113541
 Analysis started at: 9/17/2025 6:29:41 PM
 Rack: 2
 Vial: 35
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	0.0189 ppm	0.0020 ppm	0.0486 ppm	0.0252 ppm	0.0001 ppm	20.0242 ppm
Concentration per Run 1	0.0008 ppm	0.0246 ppm	0.0000 ppm	0.0476 ppm	0.0251 ppm	0.0001 ppm	19.9860 ppm
Concentration per Run 2	0.0025 ppm	0.0144 ppm	0.0037 ppm	0.0507 ppm	0.0253 ppm	0.0001 ppm	20.1388 ppm
Concentration per Run 3	-0.0001 ppm	0.0177 ppm	0.0022 ppm	0.0476 ppm	0.0252 ppm	0.0000 ppm	19.9477 ppm
Concentration RSD	121.7 %	27.6 %	94.0 %	3.7 %	0.3 %	26.2 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0005 ppm	0.0029 ppm	0.0062 ppm	0.3458 ppm	10.0633 ppm	0.0024 ppm
Concentration per Run 1	-0.0001 ppm	-0.0004 ppm	0.0021 ppm	0.0071 ppm	0.3456 ppm	10.0404 ppm	0.0022 ppm
Concentration per Run 2	-0.0002 ppm	-0.0006 ppm	0.0033 ppm	0.0063 ppm	0.3441 ppm	10.0561 ppm	0.0037 ppm
Concentration per Run 3	0.0000 ppm	-0.0005 ppm	0.0033 ppm	0.0052 ppm	0.3477 ppm	10.0936 ppm	0.0014 ppm
Concentration RSD	115.2 %	23.0 %	23.5 %	15.6 %	0.5 %	0.3 %	49.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.4254 ppm	0.0537 ppm	0.0005 ppm	94.1575 ppm	0.0137 ppm	0.0007 ppm	-0.0035 ppm
Concentration per Run 1	3.4303 ppm	0.0538 ppm	0.0007 ppm	93.6796 ppm	0.0159 ppm	0.0032 ppm	-0.0096 ppm
Concentration per Run 2	3.4279 ppm	0.0536 ppm	-0.0006 ppm	94.3008 ppm	0.0115 ppm	-0.0007 ppm	-0.0014 ppm
Concentration per Run 3	3.4180 ppm	0.0536 ppm	0.0014 ppm	94.4923 ppm	0.0136 ppm	-0.0004 ppm	0.0006 ppm
Concentration RSD	0.2 %	0.1 %	204.7 %	0.5 %	16.0 %	315.7 %	156.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0003 ppm	2.3998 ppm	0.0021 ppm	0.1527 ppm	-0.0006 ppm	0.0052 ppm	-0.0004 ppm
Concentration per Run 1	-0.0008 ppm	2.3917 ppm	0.0046 ppm	0.1524 ppm	-0.0013 ppm	0.0057 ppm	-0.0004 ppm
Concentration per Run 2	-0.0023 ppm	2.4123 ppm	0.0003 ppm	0.1534 ppm	-0.0006 ppm	0.0051 ppm	-0.0004 ppm
Concentration per Run 3	0.0020 ppm	2.3955 ppm	0.0014 ppm	0.1524 ppm	0.0000 ppm	0.0048 ppm	-0.0005 ppm
Concentration RSD	624.4 %	0.5 %	104.8 %	0.4 %	111.4 %	9.2 %	13.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	106.7068 %	106.5854 %	105.1369 %	106.5328 %	104.0403 %	104.3314 %
Concentration per Run 1	0.0002 ppm	107.1058 %	107.4509 %	104.7892 %	106.7480 %	104.9072 %	104.2250 %
Concentration per Run 2	-0.0002 ppm	106.5636 %	105.9742 %	105.3617 %	106.3641 %	103.6463 %	104.3267 %
Concentration per Run 3	-0.0004 ppm	106.4509 %	106.3312 %	105.2597 %	106.4863 %	103.5674 %	104.4426 %
Concentration RSD	209.2 %	0.3 %	0.7 %	0.3 %	0.2 %	0.7 %	0.1 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
Analysis started at: 9/17/2025 6:38:52 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4915 ppm	0.5167 ppm	0.4981 ppm	0.5017 ppm	0.5055 ppm	0.5181 ppm	0.4983 ppm
Concentration per Run 1	0.4917 ppm	0.5196 ppm	0.4937 ppm	0.5003 ppm	0.5058 ppm	0.5194 ppm	0.4949 ppm
Concentration per Run 2	0.4942 ppm	0.5223 ppm	0.5006 ppm	0.5099 ppm	0.5064 ppm	0.5180 ppm	0.5035 ppm
Concentration per Run 3	0.4885 ppm	0.5082 ppm	0.5000 ppm	0.4948 ppm	0.5044 ppm	0.5168 ppm	0.4965 ppm
Recovery Percentage 1	98.294 %	103.341 %	99.628 %	100.334 %	101.099 %	103.620 %	99.659 %
Concentration RSD	0.6 %	1.5 %	0.8 %	1.5 %	0.2 %	0.2 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5077 ppm	0.5104 ppm	0.5088 ppm	0.5001 ppm	0.5112 ppm	5.2796 ppm	0.5246 ppm
Concentration per Run 1	0.5054 ppm	0.5094 ppm	0.5066 ppm	0.5014 ppm	0.5139 ppm	5.2450 ppm	0.5247 ppm
Concentration per Run 2	0.5165 ppm	0.5181 ppm	0.5163 ppm	0.5064 ppm	0.5098 ppm	5.2761 ppm	0.5252 ppm
Concentration per Run 3	0.5013 ppm	0.5036 ppm	0.5035 ppm	0.4925 ppm	0.5099 ppm	5.3176 ppm	0.5241 ppm
Recovery Percentage 1	101.548 %	102.072 %	101.763 %	100.021 %	102.231 %	105.591 %	104.927 %
Concentration RSD	1.5 %	1.4 %	1.3 %	1.4 %	0.5 %	0.7 %	0.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4848 ppm	0.5093 ppm	0.5019 ppm	10.2754 ppm	0.5129 ppm	0.5125 ppm	0.5156 ppm
Concentration per Run 1	0.4842 ppm	0.5090 ppm	0.5005 ppm	10.2884 ppm	0.5096 ppm	0.5081 ppm	0.5199 ppm
Concentration per Run 2	0.4953 ppm	0.5104 ppm	0.5110 ppm	10.2385 ppm	0.5239 ppm	0.5140 ppm	0.5221 ppm
Concentration per Run 3	0.4750 ppm	0.5085 ppm	0.4942 ppm	10.2994 ppm	0.5053 ppm	0.5153 ppm	0.5049 ppm
Recovery Percentage 1	96.968 %	101.860 %	100.377 %	102.754 %	102.589 %	102.493 %	103.126 %
Concentration RSD	2.1 %	0.2 %	1.7 %	0.3 %	1.9 %	0.7 %	1.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.5030 ppm	5.4641 ppm	0.5089 ppm	0.5090 ppm	0.4972 ppm	0.5053 ppm	0.5112 ppm
Concentration per Run 1	0.4964 ppm	5.4448 ppm	0.5063 ppm	0.5090 ppm	0.4974 ppm	0.5046 ppm	0.5095 ppm
Concentration per Run 2	0.5075 ppm	5.5321 ppm	0.5216 ppm	0.5097 ppm	0.5001 ppm	0.5059 ppm	0.5193 ppm
Concentration per Run 3	0.5051 ppm	5.4154 ppm	0.4988 ppm	0.5083 ppm	0.4941 ppm	0.5054 ppm	0.5047 ppm
Recovery Percentage 1	100.604 %	104.078 %	101.786 %	101.796 %	99.438 %	101.059 %	102.235 %
Concentration RSD	1.2 %	1.1 %	2.3 %	0.1 %	0.6 %	0.1 %	1.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5131 ppm	102.5850 %	105.9705 %	101.3418 %	102.7211 %	104.2897 %	101.3176 %
Concentration per Run 1	0.5091 ppm	102.6276 %	105.5473 %	102.0537 %	102.9571 %	103.4598 %	101.8540 %
Concentration per Run 2	0.5243 ppm	100.9422 %	105.8338 %	101.2322 %	102.0033 %	104.7147 %	101.5436 %
Concentration per Run 3	0.5058 ppm	104.1854 %	106.5304 %	100.7394 %	103.2028 %	104.6945 %	100.5553 %
Recovery Percentage 1	102.617 %						
Concentration RSD	1.9 %	1.6 %	0.5 %	0.7 %	0.6 %	0.7 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 6:42:13 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0017 ppm	0.0247 ppm	0.0022 ppm	0.0014 ppm	0.0002 ppm	0.0001 ppm	-0.0035 ppm
Concentration per Run 1	0.0024 ppm	0.0151 ppm	0.0016 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	-0.0010 ppm
Concentration per Run 2	0.0021 ppm	0.0297 ppm	0.0066 ppm	0.0018 ppm	0.0003 ppm	0.0001 ppm	-0.0060 ppm
Concentration per Run 3	0.0005 ppm	0.0294 ppm	-0.0015 ppm	0.0022 ppm	0.0001 ppm	0.0001 ppm	-0.0034 ppm
Recovery Percentage 1	24.083 %	24.736 %	44.898 %	4.805 %	1.616 %	3.219 %	-3.458 %
Concentration RSD	60.7 %	33.8 %	182.1 %	68.2 %	96.2 %	12.6 %	72.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0010 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm	0.0536 ppm	0.0010 ppm
Concentration per Run 1	0.0002 ppm	-0.0021 ppm	-0.0003 ppm	-0.0012 ppm	-0.0002 ppm	0.0455 ppm	0.0011 ppm
Concentration per Run 2	0.0004 ppm	-0.0014 ppm	0.0008 ppm	0.0004 ppm	0.0023 ppm	0.0685 ppm	0.0006 ppm
Concentration per Run 3	0.0001 ppm	0.0004 ppm	-0.0001 ppm	0.0013 ppm	-0.0010 ppm	0.0468 ppm	0.0012 ppm
Recovery Percentage 1	4.103 %	-5.130 %	1.518 %	1.483 %	0.787 %	2.145 %	19.788 %
Concentration RSD	75.8 %	125.2 %	375.8 %	859.0 %	434.4 %	24.1 %	34.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0095 ppm	0.0001 ppm	0.0020 ppm	-0.0040 ppm	0.0001 ppm	-0.0016 ppm	-0.0054 ppm
Concentration per Run 1	-0.0079 ppm	0.0002 ppm	0.0017 ppm	-0.0030 ppm	-0.0006 ppm	-0.0008 ppm	-0.0025 ppm
Concentration per Run 2	-0.0109 ppm	0.0001 ppm	0.0015 ppm	-0.0052 ppm	-0.0005 ppm	-0.0010 ppm	-0.0086 ppm
Concentration per Run 3	-0.0097 ppm	0.0001 ppm	0.0028 ppm	-0.0039 ppm	0.0013 ppm	-0.0030 ppm	-0.0052 ppm
Recovery Percentage 1	-9.489 %	1.086 %	3.984 %	-0.202 %	0.316 %	-15.867 %	-10.880 %
Concentration RSD	16.0 %	55.9 %	34.9 %	27.5 %	1,353.9 %	79.9 %	56.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0010 ppm	-0.0056 ppm	0.0035 ppm	0.0000 ppm	-0.0013 ppm	0.0018 ppm	-0.0007 ppm
Concentration per Run 1	-0.0012 ppm	-0.0034 ppm	0.0036 ppm	0.0001 ppm	-0.0017 ppm	0.0010 ppm	-0.0006 ppm
Concentration per Run 2	-0.0012 ppm	-0.0063 ppm	0.0027 ppm	0.0001 ppm	-0.0013 ppm	0.0036 ppm	-0.0011 ppm
Concentration per Run 3	-0.0006 ppm	-0.0072 ppm	0.0043 ppm	-0.0001 ppm	-0.0009 ppm	0.0007 ppm	-0.0006 ppm
Recovery Percentage 1	-9.801 %	-1.125 %	7.086 %	0.307 %	-12.858 %	8.794 %	-7.341 %
Concentration RSD	36.2 %	35.6 %	22.5 %	308.8 %	31.1 %	92.0 %	39.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	103.2361 %	105.2256 %	102.5994 %	103.8801 %	104.6354 %	102.9207 %
Concentration per Run 1	-0.0002 ppm	102.8464 %	105.8505 %	102.1325 %	104.2525 %	105.1580 %	102.5003 %
Concentration per Run 2	-0.0001 ppm	103.2715 %	104.2682 %	102.4700 %	103.2733 %	104.0394 %	103.0153 %
Concentration per Run 3	0.0000 ppm	103.5905 %	105.5581 %	103.1957 %	104.1145 %	104.7088 %	103.2466 %
Recovery Percentage 1	-2.613 %						
Concentration RSD	86.9 %	0.4 %	0.8 %	0.5 %	0.5 %	0.5 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2116123-2D2 WG2116123
 Analysis started at: 9/17/2025 6:45:40 PM
 Rack: 2
 Vial: 52
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.2662 ppm	15.2925 ppm	0.6824 ppm	0.6459 ppm	0.7268 ppm	0.5767 ppm	14.2115 ppm
Concentration per Run 1	0.2665 ppm	15.4022 ppm	0.6813 ppm	0.6469 ppm	0.7346 ppm	0.5809 ppm	14.3160 ppm
Concentration per Run 2	0.2641 ppm	15.2517 ppm	0.6820 ppm	0.6444 ppm	0.7196 ppm	0.5744 ppm	14.1549 ppm
Concentration per Run 3	0.2679 ppm	15.2237 ppm	0.6838 ppm	0.6464 ppm	0.7263 ppm	0.5749 ppm	14.1637 ppm
Concentration RSD	0.7 %	0.6 %	0.2 %	0.2 %	1.0 %	0.6 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4311 ppm	0.8587 ppm	0.5576 ppm	0.3183 ppm	18.4449 ppm	5.2395 ppm	0.3368 ppm
Concentration per Run 1	0.4309 ppm	0.8561 ppm	0.5590 ppm	0.3181 ppm	18.6237 ppm	5.2923 ppm	0.3396 ppm
Concentration per Run 2	0.4295 ppm	0.8568 ppm	0.5512 ppm	0.3187 ppm	18.3265 ppm	5.2011 ppm	0.3360 ppm
Concentration per Run 3	0.4329 ppm	0.8632 ppm	0.5626 ppm	0.3181 ppm	18.3844 ppm	5.2251 ppm	0.3346 ppm
Concentration RSD	0.4 %	0.5 %	1.0 %	0.1 %	0.9 %	0.9 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.3281 ppm	1.3854 ppm	0.5230 ppm	7.5867 ppm	0.5477 ppm	0.4965 ppm	0.4628 ppm
Concentration per Run 1	5.3249 ppm	1.3976 ppm	0.5219 ppm	7.6786 ppm	0.5457 ppm	0.5009 ppm	0.4613 ppm
Concentration per Run 2	5.2907 ppm	1.3780 ppm	0.5203 ppm	7.5350 ppm	0.5427 ppm	0.4946 ppm	0.4610 ppm
Concentration per Run 3	5.3689 ppm	1.3807 ppm	0.5269 ppm	7.5464 ppm	0.5547 ppm	0.4941 ppm	0.4662 ppm
Concentration RSD	0.7 %	0.8 %	0.7 %	1.1 %	1.1 %	0.8 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.3425 ppm	9.0135 ppm	0.3399 ppm	0.7282 ppm	1.1856 ppm	0.6716 ppm	0.5591 ppm
Concentration per Run 1	0.3411 ppm	9.0235 ppm	0.3422 ppm	0.7408 ppm	1.1857 ppm	0.6747 ppm	0.5588 ppm
Concentration per Run 2	0.3450 ppm	9.0692 ppm	0.3363 ppm	0.7174 ppm	1.1788 ppm	0.6705 ppm	0.5571 ppm
Concentration per Run 3	0.3414 ppm	8.9477 ppm	0.3411 ppm	0.7263 ppm	1.1922 ppm	0.6696 ppm	0.5615 ppm
Concentration RSD	0.6 %	0.7 %	0.9 %	1.6 %	0.6 %	0.4 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0598 ppm	102.3097 %	104.9980 %	100.2847 %	104.8741 %	106.5362 %	103.6531 %
Concentration per Run 1	1.0579 ppm	102.6279 %	104.1384 %	100.3732 %	104.4825 %	105.9055 %	103.8420 %
Concentration per Run 2	1.0514 ppm	102.9320 %	106.2573 %	99.9152 %	105.9447 %	107.7219 %	103.3256 %
Concentration per Run 3	1.0702 ppm	101.3694 %	104.5984 %	100.5657 %	104.1952 %	105.9814 %	103.7918 %
Concentration RSD	0.9 %	0.8 %	1.1 %	0.3 %	0.9 %	1.0 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2116123-3D2 WG2116123
 Analysis started at: 9/17/2025 6:48:55 PM
 Rack: 2
 Vial: 53
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.2804 ppm	15.8612 ppm	0.7210 ppm	0.6702 ppm	0.7412 ppm	0.5920 ppm	14.8765 ppm
Concentration per Run 1	0.2806 ppm	15.8040 ppm	0.7300 ppm	0.6721 ppm	0.7384 ppm	0.5896 ppm	14.8084 ppm
Concentration per Run 2	0.2801 ppm	15.9367 ppm	0.7153 ppm	0.6642 ppm	0.7415 ppm	0.5924 ppm	14.9092 ppm
Concentration per Run 3	0.2805 ppm	15.8430 ppm	0.7176 ppm	0.6743 ppm	0.7435 ppm	0.5939 ppm	14.9119 ppm
Concentration RSD	0.1 %	0.4 %	1.1 %	0.8 %	0.4 %	0.4 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4530 ppm	0.9018 ppm	0.5906 ppm	0.3379 ppm	18.4174 ppm	5.4043 ppm	0.3486 ppm
Concentration per Run 1	0.4532 ppm	0.9018 ppm	0.5956 ppm	0.3395 ppm	18.3558 ppm	5.4254 ppm	0.3498 ppm
Concentration per Run 2	0.4543 ppm	0.9043 ppm	0.5891 ppm	0.3376 ppm	18.4256 ppm	5.4178 ppm	0.3479 ppm
Concentration per Run 3	0.4516 ppm	0.8992 ppm	0.5870 ppm	0.3365 ppm	18.4708 ppm	5.3697 ppm	0.3481 ppm
Concentration RSD	0.3 %	0.3 %	0.8 %	0.4 %	0.3 %	0.6 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.6016 ppm	1.4643 ppm	0.5571 ppm	7.8683 ppm	0.5792 ppm	0.5240 ppm	0.4976 ppm
Concentration per Run 1	5.6174 ppm	1.4527 ppm	0.5602 ppm	7.8689 ppm	0.5821 ppm	0.5285 ppm	0.5031 ppm
Concentration per Run 2	5.6012 ppm	1.4707 ppm	0.5553 ppm	7.8650 ppm	0.5828 ppm	0.5230 ppm	0.4977 ppm
Concentration per Run 3	5.5862 ppm	1.4694 ppm	0.5559 ppm	7.8711 ppm	0.5729 ppm	0.5205 ppm	0.4921 ppm
Concentration RSD	0.3 %	0.7 %	0.5 %	0.0 %	1.0 %	0.8 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.3636 ppm	8.6887 ppm	0.3560 ppm	0.7360 ppm	1.2131 ppm	0.7223 ppm	0.5973 ppm
Concentration per Run 1	0.3677 ppm	8.6582 ppm	0.3600 ppm	0.7307 ppm	1.2174 ppm	0.7237 ppm	0.5990 ppm
Concentration per Run 2	0.3625 ppm	8.7855 ppm	0.3540 ppm	0.7387 ppm	1.2157 ppm	0.7264 ppm	0.5997 ppm
Concentration per Run 3	0.3605 ppm	8.6223 ppm	0.3539 ppm	0.7386 ppm	1.2061 ppm	0.7168 ppm	0.5931 ppm
Concentration RSD	1.0 %	1.0 %	1.0 %	0.6 %	0.5 %	0.7 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1131 ppm	103.1049 %	105.5448 %	100.1859 %	106.6641 %	107.7640 %	104.0940 %
Concentration per Run 1	1.1160 ppm	102.6275 %	106.1856 %	99.0789 %	106.2526 %	108.1431 %	103.3986 %
Concentration per Run 2	1.1110 ppm	103.4325 %	105.2647 %	101.0357 %	106.7153 %	107.5460 %	104.7648 %
Concentration per Run 3	1.1122 ppm	103.2547 %	105.1841 %	100.4431 %	107.0245 %	107.6031 %	104.1184 %
Concentration RSD	0.2 %	0.4 %	0.5 %	1.0 %	0.4 %	0.3 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
 Analysis started at: 9/17/2025 7:11:03 PM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5005 ppm	0.5272 ppm	0.5009 ppm	0.5072 ppm	0.5115 ppm	0.5249 ppm	0.5093 ppm
Concentration per Run 1	0.5040 ppm	0.5226 ppm	0.4976 ppm	0.5064 ppm	0.5122 ppm	0.5245 ppm	0.5040 ppm
Concentration per Run 2	0.5003 ppm	0.5302 ppm	0.4969 ppm	0.5088 ppm	0.5157 ppm	0.5295 ppm	0.5180 ppm
Concentration per Run 3	0.4971 ppm	0.5287 ppm	0.5083 ppm	0.5063 ppm	0.5066 ppm	0.5207 ppm	0.5059 ppm
Recovery Percentage 1	100.090 %	105.432 %	100.183 %	101.433 %	102.300 %	104.988 %	101.859 %
Concentration RSD	0.7 %	0.8 %	1.3 %	0.3 %	0.9 %	0.8 %	1.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5168 ppm	0.5192 ppm	0.5153 ppm	0.5089 ppm	0.5222 ppm	5.3420 ppm	0.5307 ppm
Concentration per Run 1	0.5165 ppm	0.5190 ppm	0.5204 ppm	0.5087 ppm	0.5225 ppm	5.3368 ppm	0.5319 ppm
Concentration per Run 2	0.5171 ppm	0.5197 ppm	0.5145 ppm	0.5085 ppm	0.5290 ppm	5.3899 ppm	0.5351 ppm
Concentration per Run 3	0.5168 ppm	0.5189 ppm	0.5111 ppm	0.5094 ppm	0.5149 ppm	5.2993 ppm	0.5251 ppm
Recovery Percentage 1	103.363 %	103.847 %	103.070 %	101.776 %	104.435 %	106.839 %	106.132 %
Concentration RSD	0.1 %	0.1 %	0.9 %	0.1 %	1.4 %	0.9 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4892 ppm	0.5174 ppm	0.5096 ppm	10.3598 ppm	0.5241 ppm	0.5180 ppm	0.5198 ppm
Concentration per Run 1	0.4935 ppm	0.5155 ppm	0.5083 ppm	10.3197 ppm	0.5272 ppm	0.5146 ppm	0.5191 ppm
Concentration per Run 2	0.4868 ppm	0.5224 ppm	0.5098 ppm	10.4492 ppm	0.5251 ppm	0.5142 ppm	0.5198 ppm
Concentration per Run 3	0.4872 ppm	0.5142 ppm	0.5107 ppm	10.3106 ppm	0.5199 ppm	0.5251 ppm	0.5204 ppm
Recovery Percentage 1	97.833 %	103.473 %	101.922 %	103.598 %	104.815 %	103.599 %	103.957 %
Concentration RSD	0.8 %	0.8 %	0.2 %	0.7 %	0.7 %	1.2 %	0.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.5034 ppm	5.5365 ppm	0.5169 ppm	0.5146 ppm	0.5050 ppm	0.5093 ppm	0.5193 ppm
Concentration per Run 1	0.4983 ppm	5.5349 ppm	0.5190 ppm	0.5150 ppm	0.5087 ppm	0.5050 ppm	0.5206 ppm
Concentration per Run 2	0.5075 ppm	5.5387 ppm	0.5152 ppm	0.5183 ppm	0.5051 ppm	0.5058 ppm	0.5189 ppm
Concentration per Run 3	0.5044 ppm	5.5359 ppm	0.5166 ppm	0.5104 ppm	0.5014 ppm	0.5170 ppm	0.5185 ppm
Recovery Percentage 1	100.680 %	105.458 %	103.381 %	102.914 %	101.007 %	101.854 %	103.866 %
Concentration RSD	0.9 %	0.0 %	0.4 %	0.8 %	0.7 %	1.3 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5213 ppm	101.7465 %	104.6299 %	100.8086 %	101.3913 %	102.6081 %	100.3716 %
Concentration per Run 1	0.5225 ppm	101.0009 %	104.4074 %	100.8517 %	100.4994 %	102.5485 %	100.5059 %
Concentration per Run 2	0.5236 ppm	102.2751 %	104.1488 %	101.1530 %	101.5110 %	101.9351 %	100.4582 %
Concentration per Run 3	0.5177 ppm	101.9634 %	105.3335 %	100.4210 %	102.1636 %	103.3407 %	100.1506 %
Recovery Percentage 1	104.257 %						
Concentration RSD	0.6 %	0.7 %	0.6 %	0.4 %	0.8 %	0.7 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 7:14:24 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	0.0176 ppm	0.0026 ppm	0.0017 ppm	0.0002 ppm	0.0001 ppm	-0.0061 ppm
Concentration per Run 1	0.0008 ppm	0.0149 ppm	0.0024 ppm	0.0021 ppm	0.0002 ppm	0.0001 ppm	-0.0057 ppm
Concentration per Run 2	0.0016 ppm	0.0256 ppm	0.0030 ppm	0.0008 ppm	0.0003 ppm	0.0001 ppm	-0.0032 ppm
Concentration per Run 3	0.0007 ppm	0.0122 ppm	0.0024 ppm	0.0020 ppm	-0.0001 ppm	0.0000 ppm	-0.0095 ppm
Recovery Percentage 1	15.022 %	17.557 %	51.885 %	5.514 %	1.722 %	1.997 %	-6.137 %
Concentration RSD	47.9 %	40.3 %	12.3 %	43.2 %	120.3 %	63.6 %	51.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0004 ppm	-0.0002 ppm	0.0007 ppm	0.0018 ppm	0.0528 ppm	0.0005 ppm
Concentration per Run 1	-0.0001 ppm	-0.0014 ppm	-0.0006 ppm	0.0010 ppm	0.0021 ppm	0.0704 ppm	0.0007 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0007 ppm	0.0004 ppm	0.0007 ppm	0.0342 ppm	0.0005 ppm
Concentration per Run 3	0.0001 ppm	0.0003 ppm	-0.0006 ppm	0.0007 ppm	0.0025 ppm	0.0538 ppm	0.0002 ppm
Recovery Percentage 1	0.667 %	-1.993 %	-2.024 %	6.551 %	3.500 %	2.112 %	9.287 %
Concentration RSD	246.2 %	216.5 %	369.0 %	46.4 %	55.3 %	34.3 %	55.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0089 ppm	0.0001 ppm	0.0017 ppm	-0.0063 ppm	0.0000 ppm	-0.0029 ppm	-0.0056 ppm
Concentration per Run 1	-0.0098 ppm	0.0001 ppm	0.0018 ppm	-0.0067 ppm	0.0002 ppm	-0.0047 ppm	-0.0042 ppm
Concentration per Run 2	-0.0061 ppm	0.0002 ppm	0.0017 ppm	-0.0085 ppm	0.0007 ppm	-0.0015 ppm	-0.0106 ppm
Concentration per Run 3	-0.0107 ppm	0.0000 ppm	0.0018 ppm	-0.0036 ppm	-0.0011 ppm	-0.0023 ppm	-0.0020 ppm
Recovery Percentage 1	-8.877 %	0.989 %	3.494 %	-0.314 %	-0.165 %	-28.688 %	-11.232 %
Concentration RSD	27.5 %	134.1 %	4.5 %	39.4 %	2,195.4 %	57.6 %	79.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0046 ppm	-0.0042 ppm	0.0027 ppm	0.0000 ppm	-0.0002 ppm	0.0065 ppm	-0.0001 ppm
Concentration per Run 1	-0.0069 ppm	-0.0054 ppm	0.0013 ppm	0.0000 ppm	0.0005 ppm	0.0063 ppm	0.0002 ppm
Concentration per Run 2	-0.0012 ppm	-0.0025 ppm	0.0048 ppm	0.0001 ppm	-0.0010 ppm	0.0061 ppm	-0.0002 ppm
Concentration per Run 3	-0.0057 ppm	-0.0047 ppm	0.0019 ppm	-0.0001 ppm	0.0000 ppm	0.0071 ppm	-0.0002 ppm
Recovery Percentage 1	-46.071 %	-0.835 %	5.317 %	0.052 %	-1.561 %	32.376 %	-0.723 %
Concentration RSD	64.8 %	36.5 %	70.6 %	1,365.6 %	515.8 %	8.1 %	378.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	100.8580 %	103.2373 %	99.3907 %	101.2872 %	102.5118 %	99.7801 %
Concentration per Run 1	0.0000 ppm	101.8362 %	102.2444 %	99.0440 %	102.1397 %	101.6597 %	98.9473 %
Concentration per Run 2	-0.0001 ppm	98.5281 %	103.8832 %	98.7820 %	100.4598 %	103.1152 %	99.5675 %
Concentration per Run 3	-0.0003 ppm	102.2099 %	103.5844 %	100.3461 %	101.2620 %	102.7605 %	100.8255 %
Recovery Percentage 1	-2.166 %						
Concentration RSD	167.4 %	2.0 %	0.8 %	0.8 %	0.8 %	0.7 %	1.0 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556335-02 WG2113541
 Analysis started at: 9/17/2025 7:36:18 PM
 Rack: 2
 Vial: 29
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	0.0301 ppm	0.0024 ppm	0.0491 ppm	0.0213 ppm	0.0000 ppm	15.6739 ppm
Concentration per Run 1	0.0007 ppm	0.0340 ppm	0.0025 ppm	0.0447 ppm	0.0210 ppm	0.0000 ppm	15.6465 ppm
Concentration per Run 2	0.0020 ppm	0.0281 ppm	0.0029 ppm	0.0521 ppm	0.0213 ppm	0.0000 ppm	15.6287 ppm
Concentration per Run 3	0.0005 ppm	0.0281 ppm	0.0018 ppm	0.0506 ppm	0.0215 ppm	0.0001 ppm	15.7465 ppm
Concentration RSD	77.9 %	11.3 %	23.4 %	7.9 %	1.2 %	230.8 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0021 ppm	0.0013 ppm	0.0040 ppm	0.2474 ppm	7.0148 ppm	0.0057 ppm
Concentration per Run 1	0.0001 ppm	-0.0018 ppm	0.0010 ppm	0.0043 ppm	0.2454 ppm	6.9678 ppm	0.0063 ppm
Concentration per Run 2	-0.0003 ppm	-0.0020 ppm	0.0016 ppm	0.0038 ppm	0.2459 ppm	7.0213 ppm	0.0056 ppm
Concentration per Run 3	-0.0002 ppm	-0.0026 ppm	0.0014 ppm	0.0039 ppm	0.2509 ppm	7.0554 ppm	0.0053 ppm
Concentration RSD	150.4 %	19.0 %	22.3 %	7.4 %	1.2 %	0.6 %	8.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.5246 ppm	0.0500 ppm	0.0014 ppm	67.9070 ppm	0.0018 ppm	-0.0037 ppm	-0.0045 ppm
Concentration per Run 1	5.5391 ppm	0.0498 ppm	0.0010 ppm	67.7296 ppm	0.0017 ppm	-0.0032 ppm	-0.0071 ppm
Concentration per Run 2	5.5029 ppm	0.0503 ppm	0.0014 ppm	67.9115 ppm	0.0017 ppm	-0.0032 ppm	0.0004 ppm
Concentration per Run 3	5.5318 ppm	0.0499 ppm	0.0017 ppm	68.0799 ppm	0.0020 ppm	-0.0047 ppm	-0.0067 ppm
Concentration RSD	0.3 %	0.5 %	24.1 %	0.3 %	8.9 %	22.9 %	94.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0022 ppm	1.4691 ppm	0.0002 ppm	0.0974 ppm	-0.0009 ppm	0.0020 ppm	-0.0007 ppm
Concentration per Run 1	-0.0055 ppm	1.4685 ppm	0.0003 ppm	0.0967 ppm	-0.0016 ppm	0.0031 ppm	-0.0014 ppm
Concentration per Run 2	-0.0003 ppm	1.4628 ppm	0.0010 ppm	0.0978 ppm	-0.0007 ppm	-0.0014 ppm	-0.0007 ppm
Concentration per Run 3	-0.0007 ppm	1.4759 ppm	-0.0006 ppm	0.0978 ppm	-0.0002 ppm	0.0044 ppm	0.0001 ppm
Concentration RSD	132.5 %	0.4 %	378.7 %	0.7 %	81.1 %	148.5 %	112.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0047 ppm	103.8867 %	107.5349 %	103.4331 %	103.2541 %	105.1255 %	102.6156 %
Concentration per Run 1	0.0043 ppm	103.6084 %	107.8399 %	103.8376 %	102.5562 %	105.1813 %	103.0096 %
Concentration per Run 2	0.0053 ppm	103.9364 %	107.9351 %	104.2580 %	103.3845 %	105.5453 %	103.1104 %
Concentration per Run 3	0.0046 ppm	104.1153 %	106.8297 %	102.2039 %	103.8217 %	104.6501 %	101.7266 %
Concentration RSD	11.1 %	0.2 %	0.6 %	1.0 %	0.6 %	0.4 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113541-7 WG2113541
 Analysis started at: 9/17/2025 7:39:46 PM
 Rack: 2
 Vial: 30
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0515 ppm	2.0894 ppm	0.1276 ppm	1.0725 ppm	2.0209 ppm	0.0516 ppm	26.3285 ppm
Concentration per Run 1	0.0504 ppm	2.0994 ppm	0.1284 ppm	1.0685 ppm	2.0293 ppm	0.0518 ppm	26.3413 ppm
Concentration per Run 2	0.0513 ppm	2.0602 ppm	0.1286 ppm	1.0771 ppm	1.9993 ppm	0.0511 ppm	26.1688 ppm
Concentration per Run 3	0.0529 ppm	2.1086 ppm	0.1259 ppm	1.0720 ppm	2.0342 ppm	0.0519 ppm	26.4755 ppm
Concentration RSD	2.4 %	1.2 %	1.2 %	0.4 %	0.9 %	0.8 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0525 ppm	0.4950 ppm	0.1986 ppm	0.2582 ppm	1.2464 ppm	17.9806 ppm	0.0069 ppm
Concentration per Run 1	0.0521 ppm	0.4919 ppm	0.1986 ppm	0.2561 ppm	1.2533 ppm	18.0971 ppm	0.0070 ppm
Concentration per Run 2	0.0526 ppm	0.4952 ppm	0.1985 ppm	0.2583 ppm	1.2364 ppm	17.7974 ppm	0.0065 ppm
Concentration per Run 3	0.0528 ppm	0.4980 ppm	0.1988 ppm	0.2601 ppm	1.2496 ppm	18.0473 ppm	0.0073 ppm
Concentration RSD	0.8 %	0.6 %	0.1 %	0.8 %	0.7 %	0.9 %	5.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	15.7496 ppm	0.5490 ppm	1.0057 ppm	80.4731 ppm	0.5011 ppm	0.5408 ppm	0.4598 ppm
Concentration per Run 1	15.6611 ppm	0.5520 ppm	0.9947 ppm	80.2134 ppm	0.5019 ppm	0.5362 ppm	0.4591 ppm
Concentration per Run 2	15.7189 ppm	0.5437 ppm	1.0096 ppm	80.1164 ppm	0.5024 ppm	0.5415 ppm	0.4507 ppm
Concentration per Run 3	15.8688 ppm	0.5513 ppm	1.0130 ppm	81.0895 ppm	0.4990 ppm	0.5447 ppm	0.4696 ppm
Concentration RSD	0.7 %	0.8 %	1.0 %	0.7 %	0.4 %	0.8 %	2.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1228 ppm	2.6054 ppm	0.9568 ppm	1.1065 ppm	1.0153 ppm	0.1309 ppm	0.5142 ppm
Concentration per Run 1	0.1231 ppm	2.5922 ppm	0.9562 ppm	1.1089 ppm	1.0117 ppm	0.1319 ppm	0.5134 ppm
Concentration per Run 2	0.1216 ppm	2.6111 ppm	0.9567 ppm	1.0955 ppm	1.0164 ppm	0.1300 ppm	0.5155 ppm
Concentration per Run 3	0.1238 ppm	2.6130 ppm	0.9576 ppm	1.1153 ppm	1.0179 ppm	0.1309 ppm	0.5137 ppm
Concentration RSD	0.9 %	0.4 %	0.1 %	0.9 %	0.3 %	0.7 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5084 ppm	104.5611 %	105.9908 %	103.3303 %	103.9808 %	103.6181 %	102.3402 %
Concentration per Run 1	0.5093 ppm	104.2092 %	105.6734 %	103.0232 %	103.4545 %	103.3260 %	102.3551 %
Concentration per Run 2	0.5102 ppm	104.4178 %	107.3129 %	103.5221 %	104.1732 %	104.6233 %	102.2558 %
Concentration per Run 3	0.5056 ppm	105.0564 %	104.9862 %	103.4457 %	104.3146 %	102.9051 %	102.4098 %
Concentration RSD	0.5 %	0.4 %	1.1 %	0.3 %	0.4 %	0.9 %	0.1 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113541-8 WG2113541
 Analysis started at: 9/17/2025 7:43:01 PM
 Rack: 2
 Vial: 31
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0013 ppm	0.0277 ppm	0.0025 ppm	0.0540 ppm	0.0220 ppm	0.0000 ppm	16.1821 ppm
Concentration per Run 1	0.0008 ppm	0.0328 ppm	0.0010 ppm	0.0523 ppm	0.0221 ppm	0.0000 ppm	16.2361 ppm
Concentration per Run 2	0.0014 ppm	0.0312 ppm	0.0029 ppm	0.0565 ppm	0.0219 ppm	0.0001 ppm	16.1759 ppm
Concentration per Run 3	0.0017 ppm	0.0192 ppm	0.0035 ppm	0.0531 ppm	0.0220 ppm	0.0000 ppm	16.1344 ppm
Concentration RSD	37.6 %	26.9 %	54.3 %	4.1 %	0.3 %	138.6 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0011 ppm	0.0009 ppm	0.0044 ppm	0.2449 ppm	7.2576 ppm	0.0052 ppm
Concentration per Run 1	-0.0003 ppm	-0.0014 ppm	0.0009 ppm	0.0043 ppm	0.2457 ppm	7.2516 ppm	0.0049 ppm
Concentration per Run 2	-0.0001 ppm	-0.0009 ppm	0.0012 ppm	0.0046 ppm	0.2439 ppm	7.2490 ppm	0.0056 ppm
Concentration per Run 3	-0.0002 ppm	-0.0009 ppm	0.0005 ppm	0.0044 ppm	0.2449 ppm	7.2721 ppm	0.0052 ppm
Concentration RSD	58.8 %	25.9 %	43.7 %	3.0 %	0.4 %	0.2 %	6.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.7223 ppm	0.0512 ppm	0.0065 ppm	70.1598 ppm	0.0012 ppm	-0.0038 ppm	0.0008 ppm
Concentration per Run 1	5.7310 ppm	0.0512 ppm	0.0072 ppm	70.4096 ppm	0.0013 ppm	-0.0057 ppm	-0.0016 ppm
Concentration per Run 2	5.7307 ppm	0.0517 ppm	0.0065 ppm	70.1041 ppm	0.0016 ppm	-0.0029 ppm	0.0049 ppm
Concentration per Run 3	5.7052 ppm	0.0509 ppm	0.0058 ppm	69.9656 ppm	0.0008 ppm	-0.0028 ppm	-0.0008 ppm
Concentration RSD	0.3 %	0.8 %	10.5 %	0.3 %	33.9 %	44.0 %	426.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0015 ppm	1.5211 ppm	0.0114 ppm	0.1005 ppm	-0.0003 ppm	0.0055 ppm	-0.0006 ppm
Concentration per Run 1	-0.0018 ppm	1.5153 ppm	0.0107 ppm	0.1008 ppm	0.0000 ppm	0.0044 ppm	-0.0003 ppm
Concentration per Run 2	-0.0016 ppm	1.5192 ppm	0.0100 ppm	0.1007 ppm	-0.0006 ppm	0.0075 ppm	-0.0013 ppm
Concentration per Run 3	-0.0012 ppm	1.5288 ppm	0.0135 ppm	0.1001 ppm	-0.0001 ppm	0.0046 ppm	-0.0003 ppm
Concentration RSD	18.4 %	0.5 %	15.9 %	0.3 %	124.3 %	31.9 %	94.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0054 ppm	104.8284 %	107.6333 %	103.8784 %	104.3966 %	105.0628 %	102.9480 %
Concentration per Run 1	0.0055 ppm	104.9669 %	107.7767 %	103.5653 %	104.3278 %	105.2596 %	102.4334 %
Concentration per Run 2	0.0054 ppm	104.5828 %	107.9782 %	104.1516 %	103.9212 %	105.9509 %	103.4969 %
Concentration per Run 3	0.0054 ppm	104.9355 %	107.1451 %	103.9182 %	104.9410 %	103.9781 %	102.9136 %
Concentration RSD	1.2 %	0.2 %	0.4 %	0.3 %	0.5 %	1.0 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113541-9 WG2113541
 Analysis started at: 9/17/2025 7:46:16 PM
 Rack: 2
 Vial: 32
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0420 ppm	1.6973 ppm	0.1008 ppm	0.8724 ppm	1.6591 ppm	0.0420 ppm	23.5123 ppm
Concentration per Run 1	0.0430 ppm	1.6954 ppm	0.0993 ppm	0.8724 ppm	1.6567 ppm	0.0421 ppm	23.5270 ppm
Concentration per Run 2	0.0407 ppm	1.6914 ppm	0.1024 ppm	0.8718 ppm	1.6582 ppm	0.0419 ppm	23.4876 ppm
Concentration per Run 3	0.0423 ppm	1.7050 ppm	0.1008 ppm	0.8730 ppm	1.6623 ppm	0.0421 ppm	23.5221 ppm
Concentration RSD	2.7 %	0.4 %	1.5 %	0.1 %	0.2 %	0.3 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0432 ppm	0.4064 ppm	0.1650 ppm	0.2121 ppm	1.0648 ppm	15.4493 ppm	0.0050 ppm
Concentration per Run 1	0.0430 ppm	0.4086 ppm	0.1653 ppm	0.2137 ppm	1.0701 ppm	15.4643 ppm	0.0058 ppm
Concentration per Run 2	0.0432 ppm	0.4059 ppm	0.1647 ppm	0.2120 ppm	1.0627 ppm	15.3878 ppm	0.0048 ppm
Concentration per Run 3	0.0436 ppm	0.4048 ppm	0.1651 ppm	0.2107 ppm	1.0615 ppm	15.4958 ppm	0.0045 ppm
Concentration RSD	0.7 %	0.5 %	0.2 %	0.7 %	0.4 %	0.4 %	12.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	13.4725 ppm	0.4542 ppm	0.8157 ppm	73.7475 ppm	0.4140 ppm	0.4360 ppm	0.2490 ppm
Concentration per Run 1	13.4870 ppm	0.4542 ppm	0.8143 ppm	74.0331 ppm	0.4166 ppm	0.4326 ppm	0.2406 ppm
Concentration per Run 2	13.4531 ppm	0.4541 ppm	0.8145 ppm	73.5151 ppm	0.4142 ppm	0.4421 ppm	0.2512 ppm
Concentration per Run 3	13.4774 ppm	0.4542 ppm	0.8183 ppm	73.6942 ppm	0.4113 ppm	0.4334 ppm	0.2550 ppm
Concentration RSD	0.1 %	0.0 %	0.3 %	0.4 %	0.7 %	1.2 %	3.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0997 ppm	2.1735 ppm	0.7837 ppm	0.9083 ppm	0.8207 ppm	0.1028 ppm	0.4202 ppm
Concentration per Run 1	0.1023 ppm	2.1832 ppm	0.7803 ppm	0.9078 ppm	0.8236 ppm	0.1034 ppm	0.4197 ppm
Concentration per Run 2	0.0960 ppm	2.1704 ppm	0.7819 ppm	0.9078 ppm	0.8187 ppm	0.1040 ppm	0.4195 ppm
Concentration per Run 3	0.1007 ppm	2.1669 ppm	0.7888 ppm	0.9094 ppm	0.8200 ppm	0.1009 ppm	0.4213 ppm
Concentration RSD	3.3 %	0.4 %	0.6 %	0.1 %	0.3 %	1.6 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4175 ppm	105.6535 %	107.7153 %	104.5226 %	104.7397 %	105.3221 %	103.4126 %
Concentration per Run 1	0.4176 ppm	105.2396 %	107.7544 %	104.6890 %	104.2479 %	105.2679 %	103.3559 %
Concentration per Run 2	0.4164 ppm	106.3177 %	107.3695 %	103.8452 %	105.7798 %	104.8679 %	102.8022 %
Concentration per Run 3	0.4185 ppm	105.4032 %	108.0219 %	105.0337 %	104.1914 %	105.8305 %	104.0797 %
Concentration RSD	0.2 %	0.5 %	0.3 %	0.6 %	0.9 %	0.5 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113541-10d5 WG2113541
 Analysis started at: 9/17/2025 7:49:31 PM
 Rack: 2
 Vial: 33
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	0.0172 ppm	0.0016 ppm	0.0111 ppm	0.0044 ppm	0.0000 ppm	3.0267 ppm
Concentration per Run 1	0.0006 ppm	0.0109 ppm	0.0017 ppm	0.0103 ppm	0.0043 ppm	0.0000 ppm	3.0265 ppm
Concentration per Run 2	0.0012 ppm	0.0168 ppm	0.0019 ppm	0.0110 ppm	0.0044 ppm	0.0000 ppm	3.0132 ppm
Concentration per Run 3	0.0003 ppm	0.0237 ppm	0.0014 ppm	0.0121 ppm	0.0044 ppm	0.0001 ppm	3.0404 ppm
Concentration RSD	63.9 %	37.3 %	15.1 %	8.4 %	1.3 %	57.0 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0015 ppm	0.0001 ppm	0.0011 ppm	0.0519 ppm	1.3814 ppm	0.0020 ppm
Concentration per Run 1	0.0001 ppm	-0.0021 ppm	0.0005 ppm	0.0010 ppm	0.0517 ppm	1.3621 ppm	0.0019 ppm
Concentration per Run 2	0.0000 ppm	-0.0017 ppm	0.0005 ppm	0.0003 ppm	0.0514 ppm	1.4005 ppm	0.0023 ppm
Concentration per Run 3	0.0000 ppm	-0.0007 ppm	-0.0006 ppm	0.0021 ppm	0.0527 ppm	1.3818 ppm	0.0017 ppm
Concentration RSD	163.0 %	48.2 %	510.0 %	81.9 %	1.3 %	1.4 %	17.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.0422 ppm	0.0097 ppm	0.0048 ppm	13.2486 ppm	-0.0001 ppm	-0.0061 ppm	0.0299 ppm
Concentration per Run 1	1.0348 ppm	0.0096 ppm	0.0056 ppm	13.3066 ppm	0.0001 ppm	-0.0054 ppm	0.0225 ppm
Concentration per Run 2	1.0457 ppm	0.0096 ppm	0.0055 ppm	13.2038 ppm	0.0006 ppm	-0.0066 ppm	0.0380 ppm
Concentration per Run 3	1.0462 ppm	0.0098 ppm	0.0033 ppm	13.2355 ppm	-0.0011 ppm	-0.0064 ppm	0.0292 ppm
Concentration RSD	0.6 %	1.2 %	26.8 %	0.4 %	575.0 %	10.9 %	26.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0011 ppm	0.2753 ppm	0.0247 ppm	0.0189 ppm	-0.0008 ppm	0.0032 ppm	-0.0009 ppm
Concentration per Run 1	-0.0003 ppm	0.2775 ppm	0.0254 ppm	0.0190 ppm	-0.0003 ppm	0.0082 ppm	-0.0004 ppm
Concentration per Run 2	0.0006 ppm	0.2735 ppm	0.0263 ppm	0.0187 ppm	-0.0012 ppm	0.0037 ppm	-0.0007 ppm
Concentration per Run 3	0.0029 ppm	0.2751 ppm	0.0225 ppm	0.0190 ppm	-0.0009 ppm	-0.0022 ppm	-0.0016 ppm
Concentration RSD	148.0 %	0.7 %	8.0 %	0.9 %	55.2 %	160.2 %	70.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0013 ppm	104.0475 %	105.6376 %	101.3013 %	103.4442 %	103.7469 %	101.2524 %
Concentration per Run 1	0.0013 ppm	103.8828 %	105.5259 %	101.0618 %	103.3993 %	104.1736 %	100.8261 %
Concentration per Run 2	0.0012 ppm	104.1101 %	106.5085 %	101.7164 %	103.2416 %	104.4557 %	101.8619 %
Concentration per Run 3	0.0013 ppm	104.1497 %	104.8784 %	101.1259 %	103.6918 %	102.6114 %	101.0692 %
Concentration RSD	2.3 %	0.1 %	0.8 %	0.4 %	0.2 %	1.0 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556332-08 WG2113541
 Analysis started at: 9/17/2025 7:52:47 PM
 Rack: 2
 Vial: 36
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	0.0223 ppm	0.0021 ppm	0.0468 ppm	0.0253 ppm	0.0000 ppm	20.3753 ppm
Concentration per Run 1	0.0003 ppm	0.0225 ppm	0.0009 ppm	0.0459 ppm	0.0254 ppm	0.0001 ppm	20.3878 ppm
Concentration per Run 2	0.0013 ppm	0.0236 ppm	0.0032 ppm	0.0464 ppm	0.0252 ppm	0.0000 ppm	20.2130 ppm
Concentration per Run 3	0.0002 ppm	0.0209 ppm	0.0022 ppm	0.0482 ppm	0.0252 ppm	0.0001 ppm	20.5251 ppm
Concentration RSD	97.6 %	6.0 %	53.1 %	2.6 %	0.5 %	155.2 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0003 ppm	0.0006 ppm	0.0077 ppm	0.3198 ppm	10.0974 ppm	0.0027 ppm
Concentration per Run 1	-0.0003 ppm	0.0008 ppm	0.0001 ppm	0.0073 ppm	0.3217 ppm	10.0944 ppm	0.0026 ppm
Concentration per Run 2	-0.0002 ppm	-0.0005 ppm	0.0016 ppm	0.0076 ppm	0.3188 ppm	10.0532 ppm	0.0033 ppm
Concentration per Run 3	0.0000 ppm	-0.0011 ppm	0.0000 ppm	0.0082 ppm	0.3188 ppm	10.1445 ppm	0.0021 ppm
Concentration RSD	81.2 %	357.6 %	160.2 %	5.8 %	0.5 %	0.5 %	24.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.4582 ppm	0.0528 ppm	0.0021 ppm	95.0524 ppm	0.0134 ppm	0.0003 ppm	0.0011 ppm
Concentration per Run 1	3.4445 ppm	0.0527 ppm	0.0032 ppm	95.5674 ppm	0.0134 ppm	-0.0004 ppm	0.0019 ppm
Concentration per Run 2	3.4347 ppm	0.0532 ppm	0.0015 ppm	94.4160 ppm	0.0142 ppm	-0.0014 ppm	-0.0024 ppm
Concentration per Run 3	3.4954 ppm	0.0526 ppm	0.0017 ppm	95.1737 ppm	0.0128 ppm	0.0028 ppm	0.0039 ppm
Concentration RSD	0.9 %	0.5 %	43.6 %	0.6 %	5.2 %	705.0 %	282.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0028 ppm	2.4269 ppm	0.0025 ppm	0.1538 ppm	-0.0008 ppm	0.0065 ppm	0.0000 ppm
Concentration per Run 1	-0.0030 ppm	2.4255 ppm	0.0030 ppm	0.1539 ppm	-0.0005 ppm	0.0097 ppm	0.0005 ppm
Concentration per Run 2	-0.0022 ppm	2.4143 ppm	0.0032 ppm	0.1531 ppm	-0.0009 ppm	0.0051 ppm	-0.0007 ppm
Concentration per Run 3	-0.0033 ppm	2.4410 ppm	0.0014 ppm	0.1545 ppm	-0.0012 ppm	0.0047 ppm	0.0002 ppm
Concentration RSD	19.1 %	0.6 %	38.6 %	0.5 %	43.0 %	42.6 %	5,349.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	105.7239 %	106.0356 %	103.2743 %	104.6696 %	103.7378 %	102.4185 %
Concentration per Run 1	0.0001 ppm	106.1710 %	105.8533 %	103.8406 %	104.2485 %	103.1076 %	103.5786 %
Concentration per Run 2	0.0000 ppm	106.4900 %	106.5276 %	102.7277 %	105.7239 %	104.2971 %	101.5539 %
Concentration per Run 3	-0.0001 ppm	104.5105 %	105.7259 %	103.2546 %	104.0364 %	103.8087 %	102.1229 %
Concentration RSD	5,050.4 %	1.0 %	0.4 %	0.5 %	0.9 %	0.6 %	1.0 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556332-11 WG2113541
 Analysis started at: 9/17/2025 7:56:03 PM
 Rack: 2
 Vial: 37
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	0.0182 ppm	0.0014 ppm	0.0011 ppm	0.0002 ppm	0.0000 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0194 ppm	0.0037 ppm	0.0026 ppm	0.0002 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 2	0.0003 ppm	0.0126 ppm	0.0001 ppm	0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run 3	0.0016 ppm	0.0228 ppm	0.0004 ppm	-0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0019 ppm
Concentration RSD	134.5 %	28.5 %	142.2 %	128.8 %	12.0 %	368.1 %	188.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0017 ppm	0.0005 ppm	0.0006 ppm	0.0029 ppm	0.0547 ppm	0.0006 ppm
Concentration per Run 1	-0.0003 ppm	-0.0018 ppm	0.0006 ppm	0.0005 ppm	0.0036 ppm	0.0432 ppm	0.0014 ppm
Concentration per Run 2	-0.0002 ppm	-0.0025 ppm	0.0012 ppm	0.0007 ppm	0.0013 ppm	0.0616 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	-0.0007 ppm	-0.0005 ppm	0.0005 ppm	0.0038 ppm	0.0592 ppm	0.0005 ppm
Concentration RSD	85.7 %	52.8 %	198.5 %	22.8 %	48.8 %	18.3 %	110.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0107 ppm	0.0001 ppm	-0.0006 ppm	0.0076 ppm	0.0002 ppm	-0.0037 ppm	-0.0027 ppm
Concentration per Run 1	-0.0099 ppm	0.0001 ppm	-0.0015 ppm	0.0115 ppm	-0.0004 ppm	-0.0034 ppm	-0.0017 ppm
Concentration per Run 2	-0.0128 ppm	0.0000 ppm	0.0001 ppm	0.0058 ppm	0.0009 ppm	-0.0031 ppm	0.0028 ppm
Concentration per Run 3	-0.0095 ppm	0.0000 ppm	-0.0002 ppm	0.0055 ppm	-0.0001 ppm	-0.0047 ppm	-0.0091 ppm
Concentration RSD	17.1 %	117.0 %	156.8 %	44.6 %	439.7 %	22.8 %	224.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0026 ppm	0.0070 ppm	0.0012 ppm	0.0001 ppm	-0.0016 ppm	0.0056 ppm	-0.0012 ppm
Concentration per Run 1	-0.0025 ppm	0.0072 ppm	-0.0005 ppm	0.0001 ppm	-0.0024 ppm	0.0055 ppm	-0.0017 ppm
Concentration per Run 2	-0.0036 ppm	0.0071 ppm	0.0028 ppm	-0.0001 ppm	-0.0015 ppm	0.0042 ppm	-0.0004 ppm
Concentration per Run 3	-0.0018 ppm	0.0067 ppm	0.0011 ppm	0.0001 ppm	-0.0009 ppm	0.0070 ppm	-0.0014 ppm
Concentration RSD	35.4 %	3.4 %	141.2 %	181.7 %	48.8 %	25.0 %	58.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	103.7785 %	107.4129 %	103.1528 %	104.3079 %	106.1177 %	103.6109 %
Concentration per Run 1	-0.0004 ppm	103.9067 %	107.9440 %	102.9514 %	105.0872 %	106.5617 %	104.1390 %
Concentration per Run 2	-0.0001 ppm	103.7114 %	107.2649 %	102.3420 %	103.8064 %	106.2847 %	102.6796 %
Concentration per Run 3	-0.0001 ppm	103.7176 %	107.0299 %	104.1649 %	104.0302 %	105.5066 %	104.0141 %
Concentration RSD	90.3 %	0.1 %	0.4 %	0.9 %	0.7 %	0.5 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556332-14 WG2113541
 Analysis started at: 9/17/2025 7:59:19 PM
 Rack: 2
 Vial: 38
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	0.0156 ppm	0.0001 ppm	0.0136 ppm	0.0297 ppm	0.0000 ppm	19.1330 ppm
Concentration per Run 1	0.0009 ppm	0.0119 ppm	0.0002 ppm	0.0161 ppm	0.0297 ppm	0.0000 ppm	19.0567 ppm
Concentration per Run 2	0.0011 ppm	0.0177 ppm	0.0007 ppm	0.0118 ppm	0.0299 ppm	0.0000 ppm	19.0946 ppm
Concentration per Run 3	0.0020 ppm	0.0171 ppm	-0.0004 ppm	0.0130 ppm	0.0296 ppm	0.0001 ppm	19.2476 ppm
Concentration RSD	43.7 %	20.7 %	387.1 %	16.4 %	0.6 %	51.7 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	-0.0011 ppm	0.0001 ppm	0.0007 ppm	0.0191 ppm	2.2880 ppm	-0.0005 ppm
Concentration per Run 1	-0.0003 ppm	-0.0002 ppm	-0.0005 ppm	0.0006 ppm	0.0203 ppm	2.2829 ppm	-0.0006 ppm
Concentration per Run 2	-0.0003 ppm	-0.0013 ppm	0.0005 ppm	0.0000 ppm	0.0195 ppm	2.3020 ppm	-0.0014 ppm
Concentration per Run 3	-0.0003 ppm	-0.0017 ppm	0.0001 ppm	0.0014 ppm	0.0176 ppm	2.2792 ppm	0.0004 ppm
Concentration RSD	9.0 %	70.0 %	861.1 %	103.3 %	7.1 %	0.5 %	166.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.5888 ppm	0.0067 ppm	-0.0005 ppm	62.8805 ppm	0.0010 ppm	-0.0018 ppm	0.0015 ppm
Concentration per Run 1	3.5911 ppm	0.0066 ppm	-0.0017 ppm	62.6116 ppm	0.0011 ppm	-0.0009 ppm	-0.0038 ppm
Concentration per Run 2	3.5828 ppm	0.0066 ppm	0.0002 ppm	62.7727 ppm	0.0012 ppm	-0.0022 ppm	0.0065 ppm
Concentration per Run 3	3.5924 ppm	0.0069 ppm	-0.0001 ppm	63.2572 ppm	0.0008 ppm	-0.0023 ppm	0.0018 ppm
Concentration RSD	0.1 %	2.4 %	192.9 %	0.5 %	21.0 %	43.6 %	345.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0040 ppm	1.9443 ppm	0.0009 ppm	0.0936 ppm	-0.0014 ppm	0.0015 ppm	-0.0012 ppm
Concentration per Run 1	-0.0037 ppm	1.9351 ppm	0.0011 ppm	0.0935 ppm	-0.0005 ppm	0.0034 ppm	-0.0008 ppm
Concentration per Run 2	-0.0037 ppm	1.9465 ppm	0.0021 ppm	0.0934 ppm	-0.0021 ppm	0.0011 ppm	-0.0019 ppm
Concentration per Run 3	-0.0046 ppm	1.9512 ppm	-0.0005 ppm	0.0939 ppm	-0.0015 ppm	0.0000 ppm	-0.0009 ppm
Concentration RSD	13.3 %	0.4 %	144.7 %	0.2 %	58.2 %	116.6 %	49.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0020 ppm	103.9546 %	105.2477 %	103.3044 %	103.4967 %	102.9069 %	102.4016 %
Concentration per Run 1	-0.0015 ppm	104.1793 %	105.7120 %	103.0379 %	103.6518 %	103.2424 %	102.2385 %
Concentration per Run 2	-0.0021 ppm	103.1702 %	104.7975 %	103.6677 %	103.2758 %	102.2445 %	102.8059 %
Concentration per Run 3	-0.0025 ppm	104.5143 %	105.2335 %	103.2076 %	103.5626 %	103.2338 %	102.1604 %
Concentration RSD	26.5 %	0.7 %	0.4 %	0.3 %	0.2 %	0.6 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556334-06 WG2113541
 Analysis started at: 9/17/2025 8:02:34 PM
 Rack: 2
 Vial: 39
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	0.0187 ppm	0.0024 ppm	0.0194 ppm	0.0170 ppm	0.0001 ppm	14.7926 ppm
Concentration per Run 1	0.0003 ppm	0.0186 ppm	0.0021 ppm	0.0179 ppm	0.0170 ppm	0.0001 ppm	14.8683 ppm
Concentration per Run 2	0.0011 ppm	0.0173 ppm	0.0009 ppm	0.0205 ppm	0.0170 ppm	0.0000 ppm	14.8289 ppm
Concentration per Run 3	0.0010 ppm	0.0201 ppm	0.0042 ppm	0.0200 ppm	0.0168 ppm	0.0001 ppm	14.6804 ppm
Concentration RSD	51.3 %	7.5 %	67.9 %	7.1 %	0.7 %	40.2 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0009 ppm	0.0000 ppm	0.0028 ppm	0.1688 ppm	3.2102 ppm	0.0011 ppm
Concentration per Run 1	-0.0002 ppm	-0.0011 ppm	0.0002 ppm	0.0026 ppm	0.1719 ppm	3.1929 ppm	0.0021 ppm
Concentration per Run 2	-0.0001 ppm	-0.0004 ppm	-0.0002 ppm	0.0034 ppm	0.1662 ppm	3.2636 ppm	0.0004 ppm
Concentration per Run 3	-0.0001 ppm	-0.0011 ppm	0.0001 ppm	0.0023 ppm	0.1683 ppm	3.1741 ppm	0.0007 ppm
Concentration RSD	56.5 %	50.1 %	485.7 %	20.5 %	1.7 %	1.5 %	85.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	2.1913 ppm	0.0626 ppm	-0.0001 ppm	36.6990 ppm	0.0002 ppm	-0.0025 ppm	-0.0028 ppm
Concentration per Run 1	2.2030 ppm	0.0627 ppm	0.0001 ppm	36.7153 ppm	-0.0002 ppm	-0.0035 ppm	0.0004 ppm
Concentration per Run 2	2.1915 ppm	0.0629 ppm	-0.0001 ppm	36.9903 ppm	0.0005 ppm	-0.0029 ppm	-0.0050 ppm
Concentration per Run 3	2.1793 ppm	0.0623 ppm	-0.0003 ppm	36.3913 ppm	0.0003 ppm	-0.0012 ppm	-0.0036 ppm
Concentration RSD	0.5 %	0.5 %	251.7 %	0.8 %	161.8 %	45.7 %	101.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0018 ppm	1.8928 ppm	0.0007 ppm	0.0944 ppm	-0.0006 ppm	0.0036 ppm	-0.0009 ppm
Concentration per Run 1	-0.0067 ppm	1.8939 ppm	0.0037 ppm	0.0951 ppm	-0.0006 ppm	0.0007 ppm	-0.0012 ppm
Concentration per Run 2	-0.0007 ppm	1.8983 ppm	0.0012 ppm	0.0948 ppm	-0.0005 ppm	0.0036 ppm	-0.0006 ppm
Concentration per Run 3	0.0019 ppm	1.8861 ppm	-0.0026 ppm	0.0934 ppm	-0.0006 ppm	0.0065 ppm	-0.0008 ppm
Concentration RSD	241.3 %	0.3 %	424.0 %	0.9 %	10.4 %	81.1 %	39.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0082 ppm	105.9084 %	107.9144 %	103.8256 %	105.2716 %	105.5540 %	103.1847 %
Concentration per Run 1	0.0081 ppm	105.4913 %	107.0615 %	103.4598 %	104.6905 %	105.7280 %	102.4005 %
Concentration per Run 2	0.0084 ppm	106.0377 %	107.6757 %	103.9857 %	105.6798 %	104.7120 %	103.5364 %
Concentration per Run 3	0.0081 ppm	106.1961 %	109.0060 %	104.0313 %	105.4443 %	106.2220 %	103.6171 %
Concentration RSD	2.0 %	0.3 %	0.9 %	0.3 %	0.5 %	0.7 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556334-09 WG2113541
 Analysis started at: 9/17/2025 8:05:50 PM
 Rack: 2
 Vial: 40
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0012 ppm	0.0188 ppm	0.0023 ppm	0.0030 ppm	0.0004 ppm	0.0000 ppm	0.0138 ppm
Concentration per Run 1	0.0008 ppm	0.0152 ppm	0.0031 ppm	0.0014 ppm	0.0004 ppm	0.0001 ppm	0.0147 ppm
Concentration per Run 2	0.0014 ppm	0.0154 ppm	0.0009 ppm	0.0029 ppm	0.0004 ppm	0.0000 ppm	0.0158 ppm
Concentration per Run 3	0.0013 ppm	0.0258 ppm	0.0030 ppm	0.0048 ppm	0.0003 ppm	0.0000 ppm	0.0108 ppm
Concentration RSD	27.8 %	32.1 %	54.5 %	55.6 %	14.9 %	119.7 %	19.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0013 ppm	0.0002 ppm	0.0003 ppm	0.0040 ppm	0.0654 ppm	0.0009 ppm
Concentration per Run 1	-0.0003 ppm	-0.0017 ppm	0.0001 ppm	0.0010 ppm	0.0053 ppm	0.0631 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	-0.0007 ppm	0.0003 ppm	0.0008 ppm	0.0038 ppm	0.0716 ppm	0.0012 ppm
Concentration per Run 3	-0.0001 ppm	-0.0016 ppm	0.0003 ppm	-0.0010 ppm	0.0029 ppm	0.0615 ppm	0.0006 ppm
Concentration RSD	124.1 %	40.7 %	36.0 %	406.3 %	30.7 %	8.4 %	36.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0053 ppm	0.0002 ppm	0.0002 ppm	0.0154 ppm	-0.0007 ppm	-0.0028 ppm	-0.0025 ppm
Concentration per Run 1	-0.0107 ppm	0.0002 ppm	0.0007 ppm	0.0167 ppm	-0.0003 ppm	-0.0014 ppm	-0.0111 ppm
Concentration per Run 2	-0.0041 ppm	0.0002 ppm	-0.0012 ppm	0.0158 ppm	-0.0003 ppm	-0.0030 ppm	0.0080 ppm
Concentration per Run 3	-0.0011 ppm	0.0003 ppm	0.0012 ppm	0.0137 ppm	-0.0014 ppm	-0.0041 ppm	-0.0043 ppm
Concentration RSD	92.2 %	22.9 %	543.2 %	9.9 %	91.9 %	47.3 %	392.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0022 ppm	0.0067 ppm	0.0016 ppm	0.0000 ppm	-0.0011 ppm	0.0022 ppm	-0.0009 ppm
Concentration per Run 1	-0.0021 ppm	0.0031 ppm	0.0008 ppm	0.0000 ppm	-0.0015 ppm	-0.0014 ppm	-0.0006 ppm
Concentration per Run 2	-0.0009 ppm	0.0072 ppm	0.0021 ppm	-0.0001 ppm	-0.0012 ppm	0.0060 ppm	-0.0010 ppm
Concentration per Run 3	-0.0037 ppm	0.0097 ppm	0.0018 ppm	0.0000 ppm	-0.0007 ppm	0.0021 ppm	-0.0010 ppm
Concentration RSD	63.9 %	50.3 %	42.6 %	414.1 %	37.2 %	167.0 %	24.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	100.8287 %	104.6568 %	102.1052 %	101.2524 %	103.5833 %	102.7166 %
Concentration per Run 1	0.0001 ppm	100.7703 %	104.7418 %	101.0602 %	100.6352 %	103.3602 %	101.3889 %
Concentration per Run 2	0.0000 ppm	101.4931 %	104.3049 %	107.4775 %	102.6496 %	102.9259 %	107.1523 %
Concentration per Run 3	0.0005 ppm	100.2226 %	104.9237 %	97.7778 %	100.4725 %	104.4638 %	99.6085 %
Concentration RSD	158.0 %	0.6 %	0.3 %	4.8 %	1.2 %	0.8 %	3.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
Analysis started at: 9/17/2025 8:29:36 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4845 ppm	0.5091 ppm	0.4907 ppm	0.4879 ppm	0.5035 ppm	0.5179 ppm	0.4950 ppm
Concentration per Run 1	0.4822 ppm	0.4978 ppm	0.4917 ppm	0.4848 ppm	0.5060 ppm	0.5183 ppm	0.4930 ppm
Concentration per Run 2	0.4838 ppm	0.5058 ppm	0.4962 ppm	0.4866 ppm	0.4979 ppm	0.5142 ppm	0.4921 ppm
Concentration per Run 3	0.4874 ppm	0.5237 ppm	0.4842 ppm	0.4924 ppm	0.5067 ppm	0.5210 ppm	0.5000 ppm
Recovery Percentage 1	96.895 %	101.816 %	98.140 %	97.589 %	100.706 %	103.571 %	99.010 %
Concentration RSD	0.6 %	2.6 %	1.2 %	0.8 %	1.0 %	0.7 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4990 ppm	0.5016 ppm	0.4979 ppm	0.4908 ppm	0.5098 ppm	5.2345 ppm	0.5236 ppm
Concentration per Run 1	0.4985 ppm	0.5003 ppm	0.4946 ppm	0.4888 ppm	0.5088 ppm	5.2463 ppm	0.5243 ppm
Concentration per Run 2	0.4984 ppm	0.5002 ppm	0.4978 ppm	0.4928 ppm	0.5084 ppm	5.1890 ppm	0.5187 ppm
Concentration per Run 3	0.5002 ppm	0.5044 ppm	0.5013 ppm	0.4907 ppm	0.5122 ppm	5.2682 ppm	0.5277 ppm
Recovery Percentage 1	99.806 %	100.326 %	99.580 %	98.150 %	101.960 %	104.690 %	104.716 %
Concentration RSD	0.2 %	0.5 %	0.7 %	0.4 %	0.4 %	0.8 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4756 ppm	0.5068 ppm	0.4905 ppm	10.2797 ppm	0.5010 ppm	0.5036 ppm	0.5004 ppm
Concentration per Run 1	0.4724 ppm	0.5067 ppm	0.4910 ppm	10.2665 ppm	0.4974 ppm	0.4966 ppm	0.4944 ppm
Concentration per Run 2	0.4772 ppm	0.5030 ppm	0.4893 ppm	10.2619 ppm	0.5004 ppm	0.5078 ppm	0.4970 ppm
Concentration per Run 3	0.4771 ppm	0.5107 ppm	0.4913 ppm	10.3106 ppm	0.5051 ppm	0.5063 ppm	0.5099 ppm
Recovery Percentage 1	95.118 %	101.355 %	98.101 %	102.797 %	100.199 %	100.715 %	100.087 %
Concentration RSD	0.6 %	0.8 %	0.2 %	0.3 %	0.8 %	1.2 %	1.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4938 ppm	5.3451 ppm	0.4946 ppm	0.5086 ppm	0.4888 ppm	0.4957 ppm	0.5028 ppm
Concentration per Run 1	0.4933 ppm	5.3197 ppm	0.4878 ppm	0.5110 ppm	0.4860 ppm	0.4886 ppm	0.5021 ppm
Concentration per Run 2	0.4965 ppm	5.3239 ppm	0.4985 ppm	0.5036 ppm	0.4895 ppm	0.5013 ppm	0.5019 ppm
Concentration per Run 3	0.4916 ppm	5.3916 ppm	0.4975 ppm	0.5110 ppm	0.4908 ppm	0.4973 ppm	0.5045 ppm
Recovery Percentage 1	98.764 %	101.811 %	98.922 %	101.711 %	97.752 %	99.146 %	100.567 %
Concentration RSD	0.5 %	0.8 %	1.2 %	0.8 %	0.5 %	1.3 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5001 ppm	104.9116 %	106.2317 %	103.1987 %	104.1692 %	104.0682 %	102.8892 %
Concentration per Run 1	0.4952 ppm	105.3269 %	105.7932 %	103.7863 %	104.3214 %	103.8114 %	103.2270 %
Concentration per Run 2	0.5008 ppm	104.3312 %	107.4278 %	102.7035 %	104.0278 %	105.2921 %	102.5286 %
Concentration per Run 3	0.5042 ppm	105.0766 %	105.4742 %	103.1064 %	104.1583 %	103.1013 %	102.9120 %
Recovery Percentage 1	100.011 %						
Concentration RSD	0.9 %	0.5 %	1.0 %	0.5 %	0.1 %	1.1 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 8:32:57 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0012 ppm	0.0119 ppm	0.0008 ppm	0.0008 ppm	0.0002 ppm	0.0001 ppm	-0.0079 ppm
Concentration per Run 1	0.0017 ppm	0.0180 ppm	0.0012 ppm	0.0024 ppm	0.0001 ppm	0.0001 ppm	-0.0080 ppm
Concentration per Run 2	0.0006 ppm	0.0061 ppm	0.0001 ppm	-0.0003 ppm	0.0002 ppm	0.0001 ppm	-0.0126 ppm
Concentration per Run 3	0.0014 ppm	0.0116 ppm	0.0011 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	-0.0030 ppm
Recovery Percentage 1	17.461 %	11.892 %	15.873 %	2.632 %	1.870 %	2.252 %	-7.882 %
Concentration RSD	45.6 %	49.9 %	78.5 %	182.0 %	30.2 %	37.8 %	61.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0005 ppm	0.0015 ppm	0.0355 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	0.0005 ppm	0.0009 ppm	0.0029 ppm	0.0200 ppm	0.0010 ppm
Concentration per Run 2	0.0001 ppm	-0.0011 ppm	-0.0014 ppm	0.0002 ppm	0.0015 ppm	0.0388 ppm	-0.0005 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm	0.0478 ppm	0.0010 ppm
Recovery Percentage 1	0.108 %	-1.434 %	0.121 %	4.825 %	2.939 %	1.421 %	10.640 %
Concentration RSD	2,079.0 %	257.0 %	10,219.5 %	76.2 %	95.7 %	40.0 %	164.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0092 ppm	-0.0001 ppm	0.0024 ppm	-0.0043 ppm	0.0008 ppm	-0.0010 ppm	-0.0054 ppm
Concentration per Run 1	-0.0107 ppm	-0.0001 ppm	0.0024 ppm	-0.0109 ppm	0.0014 ppm	-0.0024 ppm	-0.0026 ppm
Concentration per Run 2	-0.0087 ppm	0.0000 ppm	0.0016 ppm	-0.0005 ppm	0.0014 ppm	-0.0039 ppm	-0.0026 ppm
Concentration per Run 3	-0.0081 ppm	-0.0001 ppm	0.0030 ppm	-0.0015 ppm	-0.0005 ppm	0.0034 ppm	-0.0109 ppm
Recovery Percentage 1	-9.166 %	-0.642 %	4.730 %	-0.215 %	3.152 %	-9.585 %	-10.738 %
Concentration RSD	14.5 %	67.5 %	29.2 %	134.1 %	137.4 %	406.4 %	89.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0015 ppm	-0.0063 ppm	0.0024 ppm	0.0000 ppm	-0.0012 ppm	0.0029 ppm	-0.0003 ppm
Concentration per Run 1	-0.0005 ppm	-0.0064 ppm	0.0013 ppm	0.0000 ppm	-0.0012 ppm	0.0058 ppm	-0.0005 ppm
Concentration per Run 2	-0.0049 ppm	-0.0051 ppm	0.0035 ppm	0.0001 ppm	-0.0014 ppm	0.0030 ppm	-0.0001 ppm
Concentration per Run 3	0.0011 ppm	-0.0075 ppm	0.0026 ppm	-0.0001 ppm	-0.0011 ppm	0.0000 ppm	-0.0002 ppm
Recovery Percentage 1	-14.543 %	-1.267 %	4.885 %	0.181 %	-12.324 %	14.687 %	-2.641 %
Concentration RSD	215.2 %	19.3 %	45.7 %	389.0 %	15.3 %	98.5 %	67.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0003 ppm	100.0473 %	102.0058 %	99.0547 %	100.6360 %	101.4120 %	99.5937 %
Concentration per Run 1	-0.0003 ppm	100.6206 %	100.6563 %	98.6549 %	100.9150 %	99.9746 %	99.3867 %
Concentration per Run 2	-0.0004 ppm	100.8612 %	102.0419 %	99.5051 %	101.0385 %	101.4538 %	100.2824 %
Concentration per Run 3	-0.0003 ppm	98.6602 %	103.3193 %	99.0040 %	99.9545 %	102.8075 %	99.1121 %
Recovery Percentage 1	-6.702 %						
Concentration RSD	25.0 %	1.2 %	1.3 %	0.4 %	0.6 %	1.4 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556334-12 WG2113541
 Analysis started at: 9/17/2025 8:40:11 PM
 Rack: 2
 Vial: 41
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	0.0164 ppm	0.0019 ppm	0.0217 ppm	0.0176 ppm	0.0000 ppm	16.9747 ppm
Concentration per Run 1	0.0010 ppm	0.0131 ppm	0.0011 ppm	0.0234 ppm	0.0176 ppm	0.0000 ppm	16.9970 ppm
Concentration per Run 2	0.0001 ppm	0.0146 ppm	0.0018 ppm	0.0206 ppm	0.0176 ppm	0.0001 ppm	17.1087 ppm
Concentration per Run 3	0.0011 ppm	0.0215 ppm	0.0029 ppm	0.0212 ppm	0.0175 ppm	0.0000 ppm	16.8184 ppm
Concentration RSD	75.1 %	27.3 %	48.0 %	6.7 %	0.5 %	627.0 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0009 ppm	0.0005 ppm	0.0004 ppm	0.1083 ppm	3.5244 ppm	0.0024 ppm
Concentration per Run 1	-0.0002 ppm	0.0007 ppm	0.0004 ppm	-0.0003 ppm	0.1070 ppm	3.5158 ppm	0.0020 ppm
Concentration per Run 2	-0.0002 ppm	-0.0018 ppm	0.0002 ppm	0.0011 ppm	0.1095 ppm	3.5603 ppm	0.0031 ppm
Concentration per Run 3	-0.0001 ppm	-0.0014 ppm	0.0009 ppm	0.0005 ppm	0.1084 ppm	3.4972 ppm	0.0022 ppm
Concentration RSD	49.8 %	153.0 %	79.8 %	157.1 %	1.1 %	0.9 %	24.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	2.4459 ppm	0.0271 ppm	-0.0006 ppm	35.8726 ppm	0.0010 ppm	-0.0014 ppm	-0.0006 ppm
Concentration per Run 1	2.4705 ppm	0.0274 ppm	0.0000 ppm	35.9183 ppm	-0.0006 ppm	-0.0010 ppm	-0.0008 ppm
Concentration per Run 2	2.4091 ppm	0.0271 ppm	-0.0005 ppm	36.0850 ppm	0.0025 ppm	0.0002 ppm	-0.0007 ppm
Concentration per Run 3	2.4582 ppm	0.0267 ppm	-0.0013 ppm	35.6144 ppm	0.0011 ppm	-0.0034 ppm	-0.0005 ppm
Concentration RSD	1.3 %	1.2 %	109.7 %	0.7 %	156.6 %	135.3 %	22.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0005 ppm	1.9756 ppm	-0.0003 ppm	0.1052 ppm	-0.0010 ppm	0.0018 ppm	-0.0012 ppm
Concentration per Run 1	-0.0021 ppm	1.9932 ppm	0.0009 ppm	0.1052 ppm	-0.0011 ppm	-0.0020 ppm	-0.0011 ppm
Concentration per Run 2	-0.0019 ppm	1.9531 ppm	-0.0006 ppm	0.1055 ppm	-0.0012 ppm	0.0031 ppm	-0.0008 ppm
Concentration per Run 3	0.0025 ppm	1.9805 ppm	-0.0011 ppm	0.1049 ppm	-0.0006 ppm	0.0044 ppm	-0.0017 ppm
Concentration RSD	506.2 %	1.0 %	411.7 %	0.3 %	36.2 %	187.0 %	40.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0003 ppm	105.0289 %	107.1048 %	102.4829 %	103.7809 %	104.8190 %	101.2854 %
Concentration per Run 1	-0.0004 ppm	104.2552 %	106.8008 %	102.6749 %	103.0393 %	104.5336 %	101.5129 %
Concentration per Run 2	-0.0002 ppm	106.5240 %	106.3479 %	103.2140 %	105.1584 %	104.0184 %	102.0622 %
Concentration per Run 3	-0.0004 ppm	104.3077 %	108.1656 %	101.5597 %	103.1450 %	105.9049 %	100.2812 %
Concentration RSD	31.2 %	1.2 %	0.9 %	0.8 %	1.2 %	0.9 %	0.9 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556334-15 WG2113541
 Analysis started at: 9/17/2025 8:43:39 PM
 Rack: 2
 Vial: 42
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	0.0303 ppm	0.0018 ppm	0.0180 ppm	0.0213 ppm	0.0000 ppm	10.0626 ppm
Concentration per Run 1	0.0013 ppm	0.0390 ppm	0.0021 ppm	0.0168 ppm	0.0212 ppm	0.0000 ppm	10.0761 ppm
Concentration per Run 2	-0.0002 ppm	0.0249 ppm	0.0030 ppm	0.0189 ppm	0.0211 ppm	0.0000 ppm	10.0185 ppm
Concentration per Run 3	0.0005 ppm	0.0270 ppm	0.0002 ppm	0.0183 ppm	0.0217 ppm	0.0001 ppm	10.0932 ppm
Concentration RSD	132.5 %	25.3 %	79.3 %	5.9 %	1.6 %	163.0 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0004 ppm	0.0068 ppm	0.0016 ppm	0.5814 ppm	2.7440 ppm	0.0019 ppm
Concentration per Run 1	-0.0003 ppm	-0.0001 ppm	0.0068 ppm	0.0017 ppm	0.5813 ppm	2.7540 ppm	0.0014 ppm
Concentration per Run 2	-0.0002 ppm	-0.0006 ppm	0.0071 ppm	0.0013 ppm	0.5766 ppm	2.7070 ppm	0.0033 ppm
Concentration per Run 3	0.0000 ppm	-0.0005 ppm	0.0065 ppm	0.0019 ppm	0.5864 ppm	2.7710 ppm	0.0011 ppm
Concentration RSD	88.5 %	66.9 %	4.5 %	21.0 %	0.8 %	1.2 %	62.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.5583 ppm	0.4518 ppm	0.0001 ppm	37.5527 ppm	0.0000 ppm	-0.0020 ppm	0.0011 ppm
Concentration per Run 1	1.5630 ppm	0.4491 ppm	0.0004 ppm	37.7098 ppm	-0.0009 ppm	-0.0006 ppm	-0.0042 ppm
Concentration per Run 2	1.5541 ppm	0.4502 ppm	-0.0011 ppm	37.3490 ppm	0.0012 ppm	-0.0014 ppm	0.0049 ppm
Concentration per Run 3	1.5579 ppm	0.4559 ppm	0.0010 ppm	37.5994 ppm	-0.0002 ppm	-0.0040 ppm	0.0026 ppm
Concentration RSD	0.3 %	0.8 %	876.9 %	0.5 %	4,430.9 %	90.1 %	438.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0033 ppm	1.7828 ppm	-0.0001 ppm	0.0719 ppm	-0.0006 ppm	0.0030 ppm	-0.0003 ppm
Concentration per Run 1	-0.0033 ppm	1.7797 ppm	0.0002 ppm	0.0717 ppm	-0.0008 ppm	0.0067 ppm	-0.0001 ppm
Concentration per Run 2	-0.0006 ppm	1.7774 ppm	-0.0024 ppm	0.0712 ppm	-0.0005 ppm	-0.0009 ppm	-0.0002 ppm
Concentration per Run 3	-0.0059 ppm	1.7915 ppm	0.0019 ppm	0.0728 ppm	-0.0004 ppm	0.0031 ppm	-0.0005 ppm
Concentration RSD	80.0 %	0.4 %	1,855.8 %	1.1 %	35.6 %	127.5 %	84.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0097 ppm	105.4250 %	107.3638 %	103.7306 %	104.7727 %	105.2875 %	103.5863 %
Concentration per Run 1	0.0095 ppm	105.9699 %	107.6943 %	103.5943 %	104.9500 %	105.3175 %	103.6227 %
Concentration per Run 2	0.0100 ppm	105.0596 %	107.6384 %	104.2137 %	104.9069 %	105.5214 %	103.6504 %
Concentration per Run 3	0.0095 ppm	105.2455 %	106.7588 %	103.3839 %	104.4611 %	105.0236 %	103.4858 %
Concentration RSD	2.5 %	0.5 %	0.5 %	0.4 %	0.3 %	0.2 %	0.1 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: xskipping
Analysis started at: 9/17/2025 8:46:55 PM
Rack: 2
Vial: 43
Comment: <Comment>

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556334-21 WG2113541
 Analysis started at: 9/17/2025 8:50:10 PM
 Rack: 2
 Vial: 44
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0012 ppm	0.0265 ppm	0.0060 ppm	0.0166 ppm	0.0249 ppm	0.0000 ppm	15.6650 ppm
Concentration per Run 1	0.0013 ppm	0.0333 ppm	0.0049 ppm	0.0171 ppm	0.0250 ppm	0.0000 ppm	15.6692 ppm
Concentration per Run 2	0.0017 ppm	0.0245 ppm	0.0060 ppm	0.0153 ppm	0.0249 ppm	0.0000 ppm	15.6227 ppm
Concentration per Run 3	0.0005 ppm	0.0218 ppm	0.0071 ppm	0.0174 ppm	0.0249 ppm	0.0000 ppm	15.7031 ppm
Concentration RSD	51.2 %	22.6 %	18.5 %	6.6 %	0.2 %	121.5 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0034 ppm	0.3001 ppm	3.8828 ppm	0.0037 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0034 ppm	0.3000 ppm	3.8619 ppm	0.0042 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0040 ppm	0.2993 ppm	3.8778 ppm	0.0040 ppm
Concentration per Run 3	-0.0003 ppm	-0.0001 ppm	0.0008 ppm	0.0027 ppm	0.3011 ppm	3.9088 ppm	0.0029 ppm
Concentration RSD	157.4 %	2,540.0 %	4.2 %	20.3 %	0.3 %	0.6 %	18.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.8748 ppm	0.0729 ppm	-0.0002 ppm	38.8678 ppm	0.0016 ppm	-0.0002 ppm	0.0011 ppm
Concentration per Run 1	1.8727 ppm	0.0732 ppm	-0.0001 ppm	38.9224 ppm	0.0024 ppm	0.0008 ppm	0.0019 ppm
Concentration per Run 2	1.8908 ppm	0.0723 ppm	-0.0001 ppm	38.9384 ppm	0.0013 ppm	0.0001 ppm	0.0032 ppm
Concentration per Run 3	1.8608 ppm	0.0731 ppm	-0.0005 ppm	38.7427 ppm	0.0010 ppm	-0.0016 ppm	-0.0017 ppm
Concentration RSD	0.8 %	0.7 %	95.7 %	0.3 %	47.3 %	509.1 %	227.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0060 ppm	2.6141 ppm	0.0001 ppm	0.0878 ppm	-0.0003 ppm	0.0022 ppm	-0.0001 ppm
Concentration per Run 1	-0.0067 ppm	2.6118 ppm	-0.0012 ppm	0.0879 ppm	0.0001 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run 2	-0.0032 ppm	2.6373 ppm	0.0014 ppm	0.0874 ppm	-0.0003 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run 3	-0.0081 ppm	2.5932 ppm	0.0000 ppm	0.0882 ppm	-0.0007 ppm	0.0069 ppm	-0.0002 ppm
Concentration RSD	42.5 %	0.8 %	1,335.8 %	0.5 %	123.3 %	189.9 %	146.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0161 ppm	102.3779 %	105.0549 %	101.6114 %	101.4848 %	102.9851 %	100.8649 %
Concentration per Run 1	0.0156 ppm	102.3538 %	105.3274 %	100.3708 %	102.0753 %	103.4920 %	99.7329 %
Concentration per Run 2	0.0166 ppm	101.5717 %	104.7291 %	102.5546 %	100.5612 %	102.5134 %	101.8595 %
Concentration per Run 3	0.0161 ppm	103.2083 %	105.1083 %	101.9088 %	101.8178 %	102.9497 %	101.0023 %
Concentration RSD	3.1 %	0.8 %	0.3 %	1.1 %	0.8 %	0.5 %	1.1 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: xskipping
Analysis started at: 9/17/2025 8:53:26 PM
Rack: 2
Vial: 45
Comment: <Comment>

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556334-27 WG2113541
 Analysis started at: 9/17/2025 8:56:41 PM
 Rack: 2
 Vial: 46
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	0.0292 ppm	0.0042 ppm	0.0103 ppm	0.0134 ppm	0.0000 ppm	6.7912 ppm
Concentration per Run 1	0.0014 ppm	0.0282 ppm	0.0049 ppm	0.0092 ppm	0.0135 ppm	0.0000 ppm	6.7891 ppm
Concentration per Run 2	0.0015 ppm	0.0232 ppm	0.0041 ppm	0.0089 ppm	0.0134 ppm	0.0000 ppm	6.7657 ppm
Concentration per Run 3	0.0012 ppm	0.0363 ppm	0.0035 ppm	0.0128 ppm	0.0134 ppm	0.0000 ppm	6.8188 ppm
Concentration RSD	11.6 %	22.5 %	16.5 %	21.0 %	0.3 %	968.5 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0007 ppm	0.0082 ppm	0.0015 ppm	0.2671 ppm	2.0554 ppm	0.0011 ppm
Concentration per Run 1	-0.0001 ppm	0.0004 ppm	0.0085 ppm	0.0005 ppm	0.2686 ppm	2.0372 ppm	0.0010 ppm
Concentration per Run 2	-0.0003 ppm	-0.0007 ppm	0.0075 ppm	0.0015 ppm	0.2643 ppm	2.0585 ppm	0.0010 ppm
Concentration per Run 3	-0.0002 ppm	-0.0018 ppm	0.0086 ppm	0.0026 ppm	0.2683 ppm	2.0704 ppm	0.0012 ppm
Concentration RSD	37.3 %	162.7 %	7.3 %	70.6 %	0.9 %	0.8 %	10.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.1723 ppm	0.0777 ppm	-0.0006 ppm	29.5290 ppm	0.0002 ppm	-0.0034 ppm	-0.0046 ppm
Concentration per Run 1	1.1778 ppm	0.0776 ppm	0.0004 ppm	29.4300 ppm	0.0019 ppm	-0.0038 ppm	-0.0049 ppm
Concentration per Run 2	1.1646 ppm	0.0770 ppm	-0.0016 ppm	29.4667 ppm	-0.0002 ppm	-0.0051 ppm	-0.0053 ppm
Concentration per Run 3	1.1745 ppm	0.0784 ppm	-0.0006 ppm	29.6904 ppm	-0.0010 ppm	-0.0012 ppm	-0.0037 ppm
Concentration RSD	0.6 %	0.9 %	166.3 %	0.5 %	630.3 %	58.7 %	18.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0022 ppm	1.2043 ppm	0.0021 ppm	0.0423 ppm	-0.0010 ppm	0.0017 ppm	-0.0005 ppm
Concentration per Run 1	-0.0041 ppm	1.2070 ppm	0.0021 ppm	0.0422 ppm	-0.0013 ppm	0.0029 ppm	-0.0012 ppm
Concentration per Run 2	-0.0023 ppm	1.2016 ppm	0.0021 ppm	0.0420 ppm	-0.0011 ppm	0.0021 ppm	0.0001 ppm
Concentration per Run 3	-0.0002 ppm	1.2043 ppm	0.0021 ppm	0.0428 ppm	-0.0006 ppm	-0.0001 ppm	-0.0004 ppm
Concentration RSD	87.9 %	0.2 %	1.9 %	1.0 %	36.9 %	92.6 %	134.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0007 ppm	105.7076 %	107.2184 %	103.9114 %	104.8887 %	105.1070 %	102.9658 %
Concentration per Run 1	-0.0007 ppm	105.0489 %	107.9037 %	104.7739 %	104.7839 %	105.3613 %	104.1158 %
Concentration per Run 2	-0.0009 ppm	105.9245 %	107.7678 %	102.4056 %	104.6972 %	105.5285 %	101.6096 %
Concentration per Run 3	-0.0005 ppm	106.1494 %	105.9839 %	104.5548 %	105.1849 %	104.4311 %	103.1719 %
Concentration RSD	25.2 %	0.6 %	1.0 %	1.3 %	0.2 %	0.6 %	1.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556335-05 WG2113541
 Analysis started at: 9/17/2025 8:59:57 PM
 Rack: 2
 Vial: 47
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0013 ppm	0.0129 ppm	0.0022 ppm	0.0664 ppm	0.0241 ppm	0.0000 ppm	21.1024 ppm
Concentration per Run 1	0.0016 ppm	0.0175 ppm	0.0048 ppm	0.0671 ppm	0.0240 ppm	0.0000 ppm	20.8740 ppm
Concentration per Run 2	0.0004 ppm	0.0090 ppm	0.0019 ppm	0.0681 ppm	0.0242 ppm	0.0000 ppm	21.4127 ppm
Concentration per Run 3	0.0019 ppm	0.0124 ppm	0.0000 ppm	0.0639 ppm	0.0241 ppm	0.0000 ppm	21.0206 ppm
Concentration RSD	57.9 %	33.3 %	110.1 %	3.3 %	0.5 %	390.4 %	1.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0004 ppm	0.0003 ppm	0.0115 ppm	0.1269 ppm	9.3583 ppm	0.0050 ppm
Concentration per Run 1	0.0002 ppm	-0.0008 ppm	-0.0003 ppm	0.0112 ppm	0.1278 ppm	9.2881 ppm	0.0055 ppm
Concentration per Run 2	0.0003 ppm	0.0006 ppm	0.0004 ppm	0.0123 ppm	0.1262 ppm	9.4431 ppm	0.0038 ppm
Concentration per Run 3	0.0000 ppm	-0.0011 ppm	0.0009 ppm	0.0110 ppm	0.1268 ppm	9.3439 ppm	0.0056 ppm
Concentration RSD	93.5 %	213.1 %	175.4 %	5.9 %	0.6 %	0.8 %	20.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	8.0210 ppm	0.0588 ppm	0.0017 ppm	85.4008 ppm	0.0015 ppm	-0.0028 ppm	0.0001 ppm
Concentration per Run 1	8.0153 ppm	0.0586 ppm	0.0028 ppm	84.7550 ppm	0.0010 ppm	-0.0015 ppm	0.0080 ppm
Concentration per Run 2	8.0545 ppm	0.0589 ppm	0.0014 ppm	86.2455 ppm	0.0013 ppm	-0.0005 ppm	0.0008 ppm
Concentration per Run 3	7.9932 ppm	0.0590 ppm	0.0008 ppm	85.2019 ppm	0.0023 ppm	-0.0063 ppm	-0.0086 ppm
Concentration RSD	0.4 %	0.4 %	60.6 %	0.9 %	43.1 %	113.1 %	14,209.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0037 ppm	1.8049 ppm	0.0004 ppm	0.1253 ppm	-0.0005 ppm	0.0024 ppm	-0.0006 ppm
Concentration per Run 1	-0.0069 ppm	1.8003 ppm	0.0001 ppm	0.1249 ppm	-0.0009 ppm	0.0054 ppm	-0.0008 ppm
Concentration per Run 2	-0.0002 ppm	1.8124 ppm	0.0004 ppm	0.1261 ppm	-0.0003 ppm	0.0059 ppm	-0.0005 ppm
Concentration per Run 3	-0.0041 ppm	1.8020 ppm	0.0006 ppm	0.1249 ppm	-0.0004 ppm	-0.0042 ppm	-0.0004 ppm
Concentration RSD	90.2 %	0.4 %	73.1 %	0.5 %	53.4 %	237.7 %	30.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0101 ppm	106.5602 %	107.0201 %	105.0395 %	105.3598 %	104.7887 %	103.9570 %
Concentration per Run 1	0.0106 ppm	106.2126 %	107.9867 %	103.9753 %	105.4432 %	105.3576 %	103.2360 %
Concentration per Run 2	0.0098 ppm	106.9091 %	105.7835 %	105.8327 %	105.0999 %	103.6859 %	104.0932 %
Concentration per Run 3	0.0098 ppm	106.5589 %	107.2901 %	105.3106 %	105.5363 %	105.3226 %	104.5417 %
Concentration RSD	4.8 %	0.3 %	1.1 %	0.9 %	0.2 %	0.9 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556335-08 WG2113541
 Analysis started at: 9/17/2025 9:03:13 PM
 Rack: 2
 Vial: 48
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	0.0555 ppm	0.0012 ppm	0.0103 ppm	0.0180 ppm	0.0000 ppm	5.6645 ppm
Concentration per Run 1	0.0009 ppm	0.0537 ppm	0.0005 ppm	0.0097 ppm	0.0181 ppm	0.0000 ppm	5.6469 ppm
Concentration per Run 2	0.0011 ppm	0.0624 ppm	0.0015 ppm	0.0133 ppm	0.0179 ppm	0.0000 ppm	5.6161 ppm
Concentration per Run 3	0.0013 ppm	0.0504 ppm	0.0016 ppm	0.0079 ppm	0.0182 ppm	0.0000 ppm	5.7304 ppm
Concentration RSD	17.0 %	11.2 %	48.1 %	26.5 %	0.8 %	222.3 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0002 ppm	0.0009 ppm	0.6553 ppm	2.8563 ppm	-0.0001 ppm
Concentration per Run 1	-0.0001 ppm	-0.0012 ppm	0.0008 ppm	0.0011 ppm	0.6564 ppm	2.8338 ppm	0.0003 ppm
Concentration per Run 2	0.0001 ppm	0.0005 ppm	-0.0012 ppm	0.0001 ppm	0.6535 ppm	2.8433 ppm	-0.0002 ppm
Concentration per Run 3	-0.0004 ppm	-0.0002 ppm	0.0008 ppm	0.0013 ppm	0.6560 ppm	2.8920 ppm	-0.0005 ppm
Concentration RSD	225.5 %	292.1 %	715.8 %	72.5 %	0.2 %	1.1 %	396.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.5839 ppm	0.0608 ppm	0.0002 ppm	14.0171 ppm	-0.0002 ppm	-0.0029 ppm	-0.0032 ppm
Concentration per Run 1	1.5738 ppm	0.0610 ppm	-0.0004 ppm	13.9096 ppm	-0.0015 ppm	-0.0027 ppm	-0.0065 ppm
Concentration per Run 2	1.5925 ppm	0.0600 ppm	0.0000 ppm	13.9659 ppm	0.0001 ppm	-0.0045 ppm	-0.0003 ppm
Concentration per Run 3	1.5854 ppm	0.0614 ppm	0.0010 ppm	14.1757 ppm	0.0007 ppm	-0.0015 ppm	-0.0027 ppm
Concentration RSD	0.6 %	1.2 %	364.2 %	1.0 %	492.2 %	51.8 %	99.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0030 ppm	3.7270 ppm	0.0017 ppm	0.0426 ppm	-0.0002 ppm	0.0004 ppm	-0.0007 ppm
Concentration per Run 1	-0.0040 ppm	3.7122 ppm	0.0024 ppm	0.0424 ppm	0.0001 ppm	0.0003 ppm	-0.0003 ppm
Concentration per Run 2	-0.0020 ppm	3.7184 ppm	0.0023 ppm	0.0422 ppm	-0.0007 ppm	-0.0003 ppm	-0.0009 ppm
Concentration per Run 3	-0.0030 ppm	3.7502 ppm	0.0002 ppm	0.0430 ppm	0.0000 ppm	0.0012 ppm	-0.0009 ppm
Concentration RSD	33.0 %	0.5 %	74.9 %	1.0 %	191.5 %	203.9 %	44.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0010 ppm	102.5762 %	105.8657 %	101.1742 %	101.9885 %	103.9895 %	100.5319 %
Concentration per Run 1	0.0010 ppm	102.8629 %	105.9787 %	101.7325 %	102.3785 %	104.0806 %	101.3455 %
Concentration per Run 2	0.0007 ppm	102.4881 %	106.5847 %	100.7526 %	101.7166 %	104.0547 %	99.8556 %
Concentration per Run 3	0.0014 ppm	102.3777 %	105.0337 %	101.0376 %	101.8703 %	103.8333 %	100.3945 %
Concentration RSD	31.9 %	0.2 %	0.7 %	0.5 %	0.3 %	0.1 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556335-11 WG2113541
 Analysis started at: 9/17/2025 9:06:29 PM
 Rack: 2
 Vial: 49
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0020 ppm	0.0531 ppm	0.0020 ppm	0.0090 ppm	0.0170 ppm	0.0000 ppm	5.4756 ppm
Concentration per Run 1	0.0013 ppm	0.0634 ppm	0.0015 ppm	0.0118 ppm	0.0172 ppm	0.0001 ppm	5.4886 ppm
Concentration per Run 2	0.0018 ppm	0.0502 ppm	0.0030 ppm	0.0067 ppm	0.0170 ppm	0.0000 ppm	5.4888 ppm
Concentration per Run 3	0.0030 ppm	0.0457 ppm	0.0016 ppm	0.0084 ppm	0.0169 ppm	0.0001 ppm	5.4494 ppm
Concentration RSD	44.3 %	17.4 %	41.1 %	28.8 %	0.8 %	68.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.6548 ppm	2.6002 ppm	-0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0012 ppm	0.6536 ppm	2.5856 ppm	-0.0018 ppm
Concentration per Run 2	0.0000 ppm	0.0007 ppm	0.0006 ppm	0.0005 ppm	0.6558 ppm	2.6162 ppm	-0.0002 ppm
Concentration per Run 3	-0.0003 ppm	-0.0010 ppm	-0.0005 ppm	-0.0003 ppm	0.6551 ppm	2.5988 ppm	0.0008 ppm
Concentration RSD	149.9 %	5,035.2 %	268.1 %	173.7 %	0.2 %	0.6 %	324.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.5262 ppm	0.0592 ppm	-0.0001 ppm	13.5421 ppm	0.0001 ppm	-0.0006 ppm	-0.0014 ppm
Concentration per Run 1	1.5298 ppm	0.0592 ppm	0.0009 ppm	13.5959 ppm	0.0013 ppm	-0.0024 ppm	-0.0048 ppm
Concentration per Run 2	1.5236 ppm	0.0595 ppm	-0.0008 ppm	13.5554 ppm	-0.0010 ppm	0.0013 ppm	0.0007 ppm
Concentration per Run 3	1.5252 ppm	0.0588 ppm	-0.0003 ppm	13.4750 ppm	-0.0001 ppm	-0.0007 ppm	-0.0001 ppm
Concentration RSD	0.2 %	0.6 %	931.0 %	0.5 %	2,087.3 %	315.5 %	211.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0022 ppm	3.5905 ppm	-0.0007 ppm	0.0412 ppm	-0.0002 ppm	0.0009 ppm	-0.0007 ppm
Concentration per Run 1	-0.0042 ppm	3.5854 ppm	0.0004 ppm	0.0415 ppm	-0.0002 ppm	0.0031 ppm	-0.0010 ppm
Concentration per Run 2	-0.0021 ppm	3.5704 ppm	-0.0006 ppm	0.0413 ppm	0.0004 ppm	-0.0019 ppm	-0.0005 ppm
Concentration per Run 3	-0.0002 ppm	3.6156 ppm	-0.0020 ppm	0.0407 ppm	-0.0007 ppm	0.0015 ppm	-0.0006 ppm
Concentration RSD	90.2 %	0.6 %	163.8 %	1.0 %	304.8 %	297.5 %	36.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	106.0078 %	108.7227 %	103.6056 %	106.0715 %	106.5147 %	103.4692 %
Concentration per Run 1	0.0006 ppm	106.1092 %	108.4799 %	103.6111 %	106.1322 %	106.5617 %	103.4591 %
Concentration per Run 2	0.0009 ppm	107.2092 %	108.2321 %	103.3769 %	106.6442 %	106.0508 %	103.0814 %
Concentration per Run 3	0.0006 ppm	104.7051 %	109.4561 %	103.8289 %	105.4381 %	106.9314 %	103.8671 %
Concentration RSD	27.5 %	1.2 %	0.6 %	0.2 %	0.6 %	0.4 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556335-14 WG2113541
 Analysis started at: 9/17/2025 9:09:45 PM
 Rack: 2
 Vial: 50
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.0208 ppm	0.0013 ppm	0.0024 ppm	0.0004 ppm	0.0000 ppm	0.0029 ppm
Concentration per Run 1	0.0015 ppm	0.0287 ppm	0.0028 ppm	0.0008 ppm	0.0004 ppm	0.0000 ppm	0.0034 ppm
Concentration per Run 2	0.0002 ppm	0.0171 ppm	-0.0008 ppm	0.0045 ppm	0.0003 ppm	0.0001 ppm	0.0055 ppm
Concentration per Run 3	0.0010 ppm	0.0165 ppm	0.0019 ppm	0.0018 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	73.3 %	33.0 %	143.7 %	80.9 %	10.3 %	105.6 %	93.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0010 ppm	0.0007 ppm	0.0003 ppm	0.0036 ppm	0.0493 ppm	-0.0002 ppm
Concentration per Run 1	-0.0002 ppm	-0.0007 ppm	0.0015 ppm	-0.0002 ppm	0.0029 ppm	0.0350 ppm	-0.0002 ppm
Concentration per Run 2	-0.0002 ppm	-0.0013 ppm	-0.0003 ppm	0.0007 ppm	0.0032 ppm	0.0530 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	-0.0010 ppm	0.0010 ppm	0.0005 ppm	0.0047 ppm	0.0598 ppm	-0.0009 ppm
Concentration RSD	69.5 %	33.0 %	122.9 %	140.6 %	27.4 %	26.0 %	345.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0034 ppm	0.0001 ppm	-0.0005 ppm	0.0112 ppm	-0.0010 ppm	-0.0028 ppm	0.0011 ppm
Concentration per Run 1	-0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0136 ppm	-0.0005 ppm	-0.0032 ppm	0.0016 ppm
Concentration per Run 2	-0.0046 ppm	0.0002 ppm	-0.0001 ppm	0.0101 ppm	0.0007 ppm	-0.0041 ppm	-0.0025 ppm
Concentration per Run 3	-0.0047 ppm	0.0001 ppm	-0.0012 ppm	0.0099 ppm	-0.0030 ppm	-0.0009 ppm	0.0041 ppm
Concentration RSD	64.5 %	51.8 %	140.8 %	18.9 %	198.3 %	60.8 %	313.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0005 ppm	0.0073 ppm	0.0010 ppm	0.0001 ppm	-0.0010 ppm	0.0014 ppm	-0.0004 ppm
Concentration per Run 1	0.0015 ppm	0.0084 ppm	-0.0001 ppm	0.0001 ppm	-0.0010 ppm	-0.0010 ppm	-0.0005 ppm
Concentration per Run 2	0.0001 ppm	0.0056 ppm	0.0024 ppm	0.0000 ppm	-0.0012 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run 3	-0.0030 ppm	0.0080 ppm	0.0006 ppm	0.0001 ppm	-0.0008 ppm	0.0035 ppm	-0.0007 ppm
Concentration RSD	484.7 %	20.1 %	135.6 %	46.5 %	18.9 %	160.3 %	83.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0003 ppm	104.7770 %	107.1943 %	103.0558 %	104.9086 %	106.6742 %	103.2646 %
Concentration per Run 1	-0.0004 ppm	104.6700 %	106.5876 %	102.9678 %	104.8195 %	106.7479 %	103.2659 %
Concentration per Run 2	-0.0004 ppm	104.1809 %	107.8214 %	103.9000 %	104.4339 %	106.7306 %	103.9146 %
Concentration per Run 3	-0.0002 ppm	105.4801 %	107.1738 %	102.2998 %	105.4723 %	106.5439 %	102.6133 %
Concentration RSD	37.6 %	0.6 %	0.6 %	0.8 %	0.5 %	0.1 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
 Analysis started at: 9/17/2025 9:13:09 PM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5007 ppm	0.5079 ppm	0.4979 ppm	0.5064 ppm	0.5102 ppm	0.5243 ppm	0.5028 ppm
Concentration per Run 1	0.5013 ppm	0.5066 ppm	0.4974 ppm	0.5053 ppm	0.5058 ppm	0.5179 ppm	0.5000 ppm
Concentration per Run 2	0.5016 ppm	0.5117 ppm	0.4950 ppm	0.5106 ppm	0.5164 ppm	0.5321 ppm	0.5039 ppm
Concentration per Run 3	0.4990 ppm	0.5054 ppm	0.5015 ppm	0.5035 ppm	0.5083 ppm	0.5228 ppm	0.5046 ppm
Recovery Percentage 1	100.131 %	101.577 %	99.589 %	101.290 %	102.037 %	104.854 %	100.560 %
Concentration RSD	0.3 %	0.7 %	0.7 %	0.7 %	1.1 %	1.4 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5162 ppm	0.5199 ppm	0.5182 ppm	0.5126 ppm	0.5202 ppm	5.3174 ppm	0.5294 ppm
Concentration per Run 1	0.5162 ppm	0.5214 ppm	0.5216 ppm	0.5144 ppm	0.5161 ppm	5.2842 ppm	0.5256 ppm
Concentration per Run 2	0.5181 ppm	0.5206 ppm	0.5149 ppm	0.5127 ppm	0.5245 ppm	5.3826 ppm	0.5388 ppm
Concentration per Run 3	0.5143 ppm	0.5178 ppm	0.5183 ppm	0.5105 ppm	0.5201 ppm	5.2853 ppm	0.5237 ppm
Recovery Percentage 1	103.235 %	103.986 %	103.649 %	102.513 %	104.046 %	106.348 %	105.871 %
Concentration RSD	0.4 %	0.4 %	0.6 %	0.4 %	0.8 %	1.1 %	1.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4899 ppm	0.5130 ppm	0.5072 ppm	10.4385 ppm	0.5200 ppm	0.5186 ppm	0.5256 ppm
Concentration per Run 1	0.4927 ppm	0.5051 ppm	0.5073 ppm	10.3454 ppm	0.5158 ppm	0.5190 ppm	0.5281 ppm
Concentration per Run 2	0.4938 ppm	0.5198 ppm	0.5060 ppm	10.5873 ppm	0.5224 ppm	0.5142 ppm	0.5253 ppm
Concentration per Run 3	0.4833 ppm	0.5142 ppm	0.5083 ppm	10.3828 ppm	0.5219 ppm	0.5226 ppm	0.5234 ppm
Recovery Percentage 1	97.987 %	102.609 %	101.441 %	104.385 %	104.001 %	103.723 %	105.125 %
Concentration RSD	1.2 %	1.4 %	0.2 %	1.2 %	0.7 %	0.8 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4969 ppm	5.5312 ppm	0.5161 ppm	0.5149 ppm	0.5083 ppm	0.5137 ppm	0.5211 ppm
Concentration per Run 1	0.4924 ppm	5.5343 ppm	0.5132 ppm	0.5089 ppm	0.5110 ppm	0.5186 ppm	0.5227 ppm
Concentration per Run 2	0.4993 ppm	5.5566 ppm	0.5180 ppm	0.5231 ppm	0.5075 ppm	0.5070 ppm	0.5217 ppm
Concentration per Run 3	0.4991 ppm	5.5026 ppm	0.5170 ppm	0.5128 ppm	0.5063 ppm	0.5156 ppm	0.5191 ppm
Recovery Percentage 1	99.379 %	105.355 %	103.212 %	102.986 %	101.656 %	102.739 %	104.228 %
Concentration RSD	0.8 %	0.5 %	0.5 %	1.4 %	0.5 %	1.2 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5212 ppm	100.6093 %	104.1156 %	100.5069 %	100.7006 %	101.8194 %	100.0041 %
Concentration per Run 1	0.5199 ppm	100.5465 %	104.9657 %	100.3757 %	100.3860 %	102.0236 %	99.9070 %
Concentration per Run 2	0.5211 ppm	100.6778 %	103.0128 %	101.0099 %	100.8149 %	100.9613 %	100.3449 %
Concentration per Run 3	0.5228 ppm	100.6035 %	104.3683 %	100.1350 %	100.9008 %	102.4733 %	99.7605 %
Recovery Percentage 1	104.249 %						
Concentration RSD	0.3 %	0.1 %	1.0 %	0.4 %	0.3 %	0.8 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
Analysis started at: 9/17/2025 9:16:25 PM
Rack: 0
Vial: 4
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.0101 ppm	0.0025 ppm	0.0014 ppm	0.0002 ppm	0.0000 ppm	-0.0031 ppm
Concentration per Run 1	0.0006 ppm	0.0105 ppm	0.0035 ppm	-0.0006 ppm	0.0002 ppm	0.0001 ppm	-0.0016 ppm
Concentration per Run 2	0.0006 ppm	0.0100 ppm	0.0021 ppm	0.0021 ppm	0.0002 ppm	0.0000 ppm	-0.0051 ppm
Concentration per Run 3	0.0014 ppm	0.0097 ppm	0.0019 ppm	0.0027 ppm	0.0002 ppm	0.0000 ppm	-0.0024 ppm
Recovery Percentage 1	12.474 %	10.077 %	49.957 %	4.692 %	1.942 %	0.899 %	-3.050 %
Concentration RSD	51.8 %	4.0 %	33.8 %	122.9 %	10.4 %	86.8 %	60.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0014 ppm	0.0011 ppm	0.0001 ppm	0.0353 ppm	0.0001 ppm
Concentration per Run 1	0.0001 ppm	-0.0005 ppm	0.0014 ppm	-0.0001 ppm	-0.0007 ppm	0.0317 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0013 ppm	0.0018 ppm	-0.0006 ppm	0.0371 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0013 ppm	0.0013 ppm	0.0015 ppm	0.0017 ppm	0.0372 ppm	-0.0002 ppm
Recovery Percentage 1	0.083 %	1.404 %	13.551 %	10.801 %	0.263 %	1.413 %	2.139 %
Concentration RSD	1,115.5 %	320.0 %	2.7 %	96.9 %	1,019.0 %	9.0 %	256.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0087 ppm	0.0001 ppm	0.0019 ppm	0.0001 ppm	0.0003 ppm	-0.0043 ppm	-0.0035 ppm
Concentration per Run 1	-0.0073 ppm	0.0002 ppm	0.0023 ppm	0.0007 ppm	0.0006 ppm	-0.0057 ppm	-0.0079 ppm
Concentration per Run 2	-0.0116 ppm	-0.0001 ppm	0.0015 ppm	-0.0009 ppm	-0.0007 ppm	-0.0036 ppm	-0.0019 ppm
Concentration per Run 3	-0.0073 ppm	0.0001 ppm	0.0019 ppm	0.0006 ppm	0.0010 ppm	-0.0035 ppm	-0.0007 ppm
Recovery Percentage 1	-8.734 %	0.733 %	3.792 %	0.007 %	1.292 %	-42.808 %	-6.993 %
Concentration RSD	28.8 %	174.9 %	22.8 %	677.5 %	277.6 %	29.5 %	110.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0010 ppm	-0.0070 ppm	0.0003 ppm	0.0001 ppm	-0.0003 ppm	0.0052 ppm	-0.0003 ppm
Concentration per Run 1	0.0019 ppm	-0.0058 ppm	-0.0013 ppm	0.0000 ppm	-0.0001 ppm	0.0024 ppm	-0.0004 ppm
Concentration per Run 2	-0.0025 ppm	-0.0081 ppm	0.0016 ppm	0.0002 ppm	-0.0006 ppm	0.0065 ppm	0.0000 ppm
Concentration per Run 3	-0.0025 ppm	-0.0072 ppm	0.0005 ppm	0.0001 ppm	-0.0002 ppm	0.0066 ppm	-0.0007 ppm
Recovery Percentage 1	-10.369 %	-1.403 %	0.515 %	1.023 %	-2.805 %	25.927 %	-3.455 %
Concentration RSD	247.8 %	16.5 %	563.9 %	96.4 %	97.4 %	45.8 %	94.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0003 ppm	102.2745 %	104.3384 %	102.3544 %	102.8713 %	103.6114 %	102.6402 %
Concentration per Run 1	-0.0003 ppm	102.1833 %	104.6026 %	102.3318 %	103.0633 %	104.2081 %	102.3298 %
Concentration per Run 2	-0.0005 ppm	102.1323 %	104.9918 %	101.5990 %	102.7320 %	104.0694 %	102.2507 %
Concentration per Run 3	0.0000 ppm	102.5078 %	103.4207 %	103.1324 %	102.8185 %	102.5567 %	103.3401 %
Recovery Percentage 1	-5.735 %						
Concentration RSD	87.2 %	0.2 %	0.8 %	0.7 %	0.2 %	0.9 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556335-17 WG2113541
 Analysis started at: 9/17/2025 9:21:00 PM
 Rack: 2
 Vial: 51
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	0.0166 ppm	0.0023 ppm	0.0739 ppm	0.0220 ppm	0.0000 ppm	20.9510 ppm
Concentration per Run 1	0.0007 ppm	0.0167 ppm	0.0027 ppm	0.0733 ppm	0.0220 ppm	0.0000 ppm	20.8540 ppm
Concentration per Run 2	0.0015 ppm	0.0173 ppm	0.0004 ppm	0.0732 ppm	0.0219 ppm	0.0000 ppm	20.8688 ppm
Concentration per Run 3	0.0020 ppm	0.0158 ppm	0.0037 ppm	0.0751 ppm	0.0222 ppm	0.0000 ppm	21.1304 ppm
Concentration RSD	46.3 %	4.6 %	74.0 %	1.5 %	0.6 %	180.0 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	0.0002 ppm	0.0006 ppm	0.0069 ppm	0.1265 ppm	9.5844 ppm	0.0049 ppm
Concentration per Run 1	0.0002 ppm	0.0021 ppm	0.0011 ppm	0.0070 ppm	0.1224 ppm	9.5286 ppm	0.0037 ppm
Concentration per Run 2	0.0001 ppm	-0.0008 ppm	0.0005 ppm	0.0070 ppm	0.1279 ppm	9.5571 ppm	0.0049 ppm
Concentration per Run 3	0.0003 ppm	-0.0005 ppm	0.0001 ppm	0.0069 ppm	0.1293 ppm	9.6675 ppm	0.0062 ppm
Concentration RSD	36.5 %	645.1 %	82.4 %	1.1 %	2.9 %	0.8 %	25.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	8.8737 ppm	0.0611 ppm	0.0021 ppm	88.4272 ppm	0.0022 ppm	-0.0025 ppm	-0.0010 ppm
Concentration per Run 1	8.8890 ppm	0.0609 ppm	0.0018 ppm	88.2971 ppm	0.0031 ppm	-0.0038 ppm	0.0010 ppm
Concentration per Run 2	8.7905 ppm	0.0611 ppm	0.0018 ppm	87.8491 ppm	0.0020 ppm	-0.0033 ppm	-0.0019 ppm
Concentration per Run 3	8.9416 ppm	0.0612 ppm	0.0026 ppm	89.1354 ppm	0.0016 ppm	-0.0004 ppm	-0.0022 ppm
Concentration RSD	0.9 %	0.3 %	22.5 %	0.7 %	34.4 %	74.4 %	174.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0011 ppm	1.9223 ppm	0.0008 ppm	0.1247 ppm	-0.0004 ppm	0.0068 ppm	-0.0002 ppm
Concentration per Run 1	0.0049 ppm	1.9230 ppm	0.0021 ppm	0.1244 ppm	-0.0003 ppm	0.0031 ppm	0.0005 ppm
Concentration per Run 2	-0.0046 ppm	1.9121 ppm	0.0000 ppm	0.1243 ppm	-0.0001 ppm	0.0058 ppm	-0.0001 ppm
Concentration per Run 3	0.0030 ppm	1.9320 ppm	0.0002 ppm	0.1254 ppm	-0.0007 ppm	0.0116 ppm	-0.0009 ppm
Concentration RSD	465.4 %	0.5 %	144.9 %	0.5 %	84.3 %	63.7 %	381.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0150 ppm	105.4783 %	106.8424 %	103.9670 %	104.4723 %	104.6215 %	102.6899 %
Concentration per Run 1	0.0149 ppm	104.6493 %	107.3239 %	104.2345 %	103.1109 %	105.2553 %	103.0036 %
Concentration per Run 2	0.0151 ppm	106.3239 %	107.5413 %	103.1154 %	105.7336 %	104.7665 %	102.1607 %
Concentration per Run 3	0.0149 ppm	105.4618 %	105.6621 %	104.5512 %	104.5723 %	103.8427 %	102.9054 %
Concentration RSD	0.9 %	0.8 %	1.0 %	0.7 %	1.3 %	0.7 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556334-18 WG2113541
 Analysis started at: 9/17/2025 9:24:23 PM
 Rack: 2
 Vial: 54
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0013 ppm	0.0080 ppm	0.0047 ppm	0.1184 ppm	0.0201 ppm	0.0000 ppm	32.3582 ppm
Concentration per Run 1	0.0006 ppm	0.0147 ppm	0.0047 ppm	0.1204 ppm	0.0199 ppm	0.0000 ppm	32.4446 ppm
Concentration per Run 2	0.0022 ppm	0.0058 ppm	0.0054 ppm	0.1145 ppm	0.0203 ppm	0.0000 ppm	32.2590 ppm
Concentration per Run 3	0.0011 ppm	0.0034 ppm	0.0040 ppm	0.1203 ppm	0.0202 ppm	0.0000 ppm	32.3710 ppm
Concentration RSD	63.7 %	75.4 %	14.9 %	2.8 %	1.0 %	829.7 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0031 ppm	0.0043 ppm	0.1150 ppm	11.4340 ppm	0.0040 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0043 ppm	0.0035 ppm	0.1154 ppm	11.3630 ppm	0.0043 ppm
Concentration per Run 2	-0.0001 ppm	0.0007 ppm	0.0029 ppm	0.0047 ppm	0.1126 ppm	11.4262 ppm	0.0038 ppm
Concentration per Run 3	-0.0003 ppm	-0.0002 ppm	0.0023 ppm	0.0047 ppm	0.1171 ppm	11.5127 ppm	0.0040 ppm
Concentration RSD	143.2 %	225.0 %	33.9 %	16.1 %	2.0 %	0.7 %	6.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	11.3477 ppm	0.1340 ppm	0.0042 ppm	120.5356 ppm	0.0024 ppm	-0.0020 ppm	-0.0037 ppm
Concentration per Run 1	11.4186 ppm	0.1333 ppm	0.0039 ppm	120.9786 ppm	0.0010 ppm	-0.0013 ppm	0.0012 ppm
Concentration per Run 2	11.3069 ppm	0.1343 ppm	0.0053 ppm	119.2156 ppm	0.0017 ppm	-0.0066 ppm	-0.0054 ppm
Concentration per Run 3	11.3177 ppm	0.1345 ppm	0.0035 ppm	121.4126 ppm	0.0045 ppm	0.0020 ppm	-0.0070 ppm
Concentration RSD	0.5 %	0.5 %	21.8 %	1.0 %	76.3 %	219.8 %	117.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0021 ppm	3.4493 ppm	0.0004 ppm	0.1709 ppm	-0.0008 ppm	0.0044 ppm	-0.0001 ppm
Concentration per Run 1	-0.0017 ppm	3.4594 ppm	0.0003 ppm	0.1695 ppm	-0.0009 ppm	0.0061 ppm	0.0002 ppm
Concentration per Run 2	-0.0029 ppm	3.4421 ppm	0.0021 ppm	0.1716 ppm	-0.0003 ppm	0.0075 ppm	0.0005 ppm
Concentration per Run 3	-0.0018 ppm	3.4463 ppm	-0.0011 ppm	0.1715 ppm	-0.0011 ppm	-0.0004 ppm	-0.0011 ppm
Concentration RSD	30.8 %	0.3 %	361.8 %	0.7 %	57.5 %	94.9 %	602.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0255 ppm	105.5890 %	105.7463 %	104.0285 %	104.7345 %	102.8736 %	102.9584 %
Concentration per Run 1	0.0260 ppm	104.5949 %	105.3997 %	104.5357 %	103.8111 %	102.3824 %	103.1135 %
Concentration per Run 2	0.0253 ppm	106.1280 %	105.9681 %	102.9399 %	104.8715 %	103.2920 %	102.1885 %
Concentration per Run 3	0.0253 ppm	106.0442 %	105.8712 %	104.6099 %	105.5207 %	102.9463 %	103.5731 %
Concentration RSD	1.5 %	0.8 %	0.3 %	0.9 %	0.8 %	0.4 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556334-24 WG2113541
 Analysis started at: 9/17/2025 9:27:39 PM
 Rack: 2
 Vial: 55
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	0.0103 ppm	0.0059 ppm	0.0161 ppm	0.0138 ppm	0.0000 ppm	13.8663 ppm
Concentration per Run 1	0.0014 ppm	0.0163 ppm	0.0056 ppm	0.0162 ppm	0.0139 ppm	0.0000 ppm	13.8168 ppm
Concentration per Run 2	0.0005 ppm	0.0113 ppm	0.0070 ppm	0.0148 ppm	0.0139 ppm	0.0000 ppm	13.9232 ppm
Concentration per Run 3	0.0014 ppm	0.0034 ppm	0.0050 ppm	0.0175 ppm	0.0137 ppm	-0.0001 ppm	13.8590 ppm
Concentration RSD	45.0 %	62.8 %	17.0 %	8.4 %	1.0 %	334.5 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0019 ppm	0.0907 ppm	3.4358 ppm	0.0009 ppm
Concentration per Run 1	-0.0002 ppm	-0.0007 ppm	0.0006 ppm	0.0036 ppm	0.0905 ppm	3.4577 ppm	-0.0003 ppm
Concentration per Run 2	-0.0003 ppm	0.0011 ppm	0.0001 ppm	0.0010 ppm	0.0903 ppm	3.4453 ppm	0.0005 ppm
Concentration per Run 3	-0.0002 ppm	0.0007 ppm	-0.0006 ppm	0.0012 ppm	0.0913 ppm	3.4045 ppm	0.0024 ppm
Concentration RSD	24.5 %	264.6 %	2,153.0 %	73.0 %	0.6 %	0.8 %	159.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.9913 ppm	0.1134 ppm	0.0000 ppm	49.7088 ppm	-0.0003 ppm	-0.0048 ppm	-0.0022 ppm
Concentration per Run 1	1.9911 ppm	0.1133 ppm	-0.0001 ppm	49.5008 ppm	-0.0005 ppm	-0.0071 ppm	-0.0054 ppm
Concentration per Run 2	2.0002 ppm	0.1145 ppm	-0.0002 ppm	49.8699 ppm	-0.0016 ppm	-0.0043 ppm	0.0009 ppm
Concentration per Run 3	1.9825 ppm	0.1125 ppm	0.0002 ppm	49.7558 ppm	0.0011 ppm	-0.0029 ppm	-0.0021 ppm
Concentration RSD	0.4 %	0.9 %	404.8 %	0.4 %	434.1 %	44.0 %	146.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0014 ppm	2.5292 ppm	0.0000 ppm	0.0915 ppm	-0.0005 ppm	0.0051 ppm	-0.0006 ppm
Concentration per Run 1	-0.0039 ppm	2.5244 ppm	0.0004 ppm	0.0916 ppm	-0.0002 ppm	0.0003 ppm	-0.0004 ppm
Concentration per Run 2	0.0035 ppm	2.5520 ppm	0.0005 ppm	0.0918 ppm	-0.0009 ppm	0.0073 ppm	-0.0009 ppm
Concentration per Run 3	-0.0038 ppm	2.5111 ppm	-0.0010 ppm	0.0911 ppm	-0.0004 ppm	0.0075 ppm	-0.0005 ppm
Concentration RSD	300.6 %	0.8 %	19,059.8 %	0.4 %	78.4 %	80.8 %	41.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0004 ppm	106.4134 %	107.8753 %	105.1943 %	105.1395 %	105.7518 %	104.3554 %
Concentration per Run 1	0.0000 ppm	106.7725 %	108.7421 %	104.9868 %	105.1134 %	106.7586 %	104.0496 %
Concentration per Run 2	-0.0004 ppm	105.3598 %	108.2186 %	105.4676 %	104.5897 %	106.1418 %	104.6487 %
Concentration per Run 3	-0.0008 ppm	107.1080 %	106.6653 %	105.1286 %	105.7155 %	104.3550 %	104.3678 %
Concentration RSD	106.1 %	0.9 %	1.0 %	0.2 %	0.5 %	1.2 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
 Analysis started at: 9/17/2025 9:33:05 PM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4832 ppm	0.4978 ppm	0.4906 ppm	0.4928 ppm	0.4972 ppm	0.5123 ppm	0.4911 ppm
Concentration per Run 1	0.4805 ppm	0.4909 ppm	0.4855 ppm	0.4902 ppm	0.4949 ppm	0.5118 ppm	0.4910 ppm
Concentration per Run 2	0.4840 ppm	0.5039 ppm	0.4937 ppm	0.4902 ppm	0.4974 ppm	0.5124 ppm	0.4898 ppm
Concentration per Run 3	0.4851 ppm	0.4987 ppm	0.4925 ppm	0.4979 ppm	0.4992 ppm	0.5127 ppm	0.4924 ppm
Recovery Percentage 1	96.639 %	99.565 %	98.115 %	98.553 %	99.435 %	102.456 %	98.214 %
Concentration RSD	0.5 %	1.3 %	0.9 %	0.9 %	0.4 %	0.1 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4993 ppm	0.5024 ppm	0.5012 ppm	0.4945 ppm	0.5049 ppm	5.2014 ppm	0.5188 ppm
Concentration per Run 1	0.4976 ppm	0.4994 ppm	0.4985 ppm	0.4948 ppm	0.5022 ppm	5.1763 ppm	0.5187 ppm
Concentration per Run 2	0.5018 ppm	0.5058 ppm	0.5012 ppm	0.4960 ppm	0.5045 ppm	5.2020 ppm	0.5172 ppm
Concentration per Run 3	0.4985 ppm	0.5021 ppm	0.5039 ppm	0.4926 ppm	0.5080 ppm	5.2261 ppm	0.5204 ppm
Recovery Percentage 1	99.859 %	100.488 %	100.239 %	98.897 %	100.978 %	104.029 %	103.751 %
Concentration RSD	0.4 %	0.6 %	0.5 %	0.3 %	0.6 %	0.5 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4786 ppm	0.5052 ppm	0.4905 ppm	10.1500 ppm	0.5012 ppm	0.5070 ppm	0.5047 ppm
Concentration per Run 1	0.4800 ppm	0.5041 ppm	0.4905 ppm	10.1375 ppm	0.4983 ppm	0.5043 ppm	0.5021 ppm
Concentration per Run 2	0.4821 ppm	0.5056 ppm	0.4926 ppm	10.1551 ppm	0.5004 ppm	0.5134 ppm	0.5058 ppm
Concentration per Run 3	0.4737 ppm	0.5058 ppm	0.4883 ppm	10.1574 ppm	0.5049 ppm	0.5033 ppm	0.5063 ppm
Recovery Percentage 1	95.721 %	101.031 %	98.091 %	101.500 %	100.240 %	101.401 %	100.947 %
Concentration RSD	0.9 %	0.2 %	0.4 %	0.1 %	0.7 %	1.1 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4902 ppm	5.3501 ppm	0.4956 ppm	0.5038 ppm	0.4918 ppm	0.4992 ppm	0.5050 ppm
Concentration per Run 1	0.4832 ppm	5.3340 ppm	0.4969 ppm	0.5038 ppm	0.4894 ppm	0.4991 ppm	0.5055 ppm
Concentration per Run 2	0.4941 ppm	5.3624 ppm	0.4923 ppm	0.5026 ppm	0.4938 ppm	0.5026 ppm	0.5070 ppm
Concentration per Run 3	0.4932 ppm	5.3539 ppm	0.4975 ppm	0.5048 ppm	0.4923 ppm	0.4959 ppm	0.5026 ppm
Recovery Percentage 1	98.033 %	101.907 %	99.112 %	100.752 %	98.360 %	99.838 %	101.003 %
Concentration RSD	1.2 %	0.3 %	0.6 %	0.2 %	0.5 %	0.7 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5029 ppm	103.1613 %	105.3216 %	101.7847 %	102.3212 %	103.3878 %	101.1756 %
Concentration per Run 1	0.5007 ppm	103.7611 %	105.5631 %	101.8487 %	102.6735 %	103.7599 %	100.7098 %
Concentration per Run 2	0.5022 ppm	103.1237 %	105.6349 %	101.7646 %	102.2918 %	103.4378 %	101.4718 %
Concentration per Run 3	0.5057 ppm	102.5990 %	104.7668 %	101.7407 %	101.9981 %	102.9658 %	101.3453 %
Recovery Percentage 1	100.574 %						
Concentration RSD	0.5 %	0.6 %	0.5 %	0.1 %	0.3 %	0.4 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 9:36:23 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.0148 ppm	0.0003 ppm	0.0017 ppm	0.0001 ppm	0.0001 ppm	-0.0021 ppm
Concentration per Run 1	0.0010 ppm	0.0050 ppm	-0.0001 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm	-0.0010 ppm
Concentration per Run 2	0.0005 ppm	0.0243 ppm	-0.0001 ppm	0.0017 ppm	0.0001 ppm	0.0001 ppm	-0.0043 ppm
Concentration per Run 3	0.0013 ppm	0.0150 ppm	0.0012 ppm	0.0029 ppm	0.0001 ppm	0.0001 ppm	-0.0011 ppm
Recovery Percentage 1	13.532 %	14.799 %	6.684 %	5.669 %	1.248 %	2.300 %	-2.140 %
Concentration RSD	41.3 %	65.3 %	231.8 %	69.1 %	19.4 %	2.2 %	87.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0010 ppm	0.0008 ppm	0.0010 ppm	0.0001 ppm	0.0431 ppm	0.0015 ppm
Concentration per Run 1	0.0002 ppm	-0.0010 ppm	0.0011 ppm	-0.0001 ppm	0.0005 ppm	0.0543 ppm	0.0019 ppm
Concentration per Run 2	0.0003 ppm	-0.0005 ppm	0.0006 ppm	0.0008 ppm	-0.0007 ppm	0.0217 ppm	0.0003 ppm
Concentration per Run 3	-0.0005 ppm	-0.0014 ppm	0.0008 ppm	0.0022 ppm	0.0004 ppm	0.0532 ppm	0.0025 ppm
Recovery Percentage 1	0.261 %	-4.851 %	8.370 %	9.711 %	0.127 %	1.723 %	30.938 %
Concentration RSD	3,442.7 %	47.0 %	35.7 %	115.4 %	993.9 %	43.1 %	71.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0068 ppm	0.0003 ppm	0.0017 ppm	0.0044 ppm	0.0004 ppm	-0.0023 ppm	-0.0056 ppm
Concentration per Run 1	-0.0055 ppm	0.0003 ppm	0.0015 ppm	0.0076 ppm	0.0017 ppm	-0.0017 ppm	-0.0071 ppm
Concentration per Run 2	-0.0039 ppm	0.0005 ppm	0.0013 ppm	0.0066 ppm	0.0018 ppm	-0.0011 ppm	0.0003 ppm
Concentration per Run 3	-0.0110 ppm	0.0002 ppm	0.0024 ppm	-0.0011 ppm	-0.0023 ppm	-0.0041 ppm	-0.0101 ppm
Recovery Percentage 1	-6.807 %	3.303 %	3.473 %	0.220 %	1.584 %	-22.861 %	-11.228 %
Concentration RSD	55.2 %	49.7 %	32.6 %	108.4 %	595.0 %	68.2 %	95.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0005 ppm	-0.0028 ppm	0.0021 ppm	0.0001 ppm	-0.0004 ppm	0.0016 ppm	-0.0005 ppm
Concentration per Run 1	0.0004 ppm	-0.0046 ppm	0.0018 ppm	0.0001 ppm	-0.0005 ppm	0.0019 ppm	-0.0001 ppm
Concentration per Run 2	0.0017 ppm	0.0002 ppm	0.0033 ppm	0.0000 ppm	0.0001 ppm	0.0049 ppm	-0.0003 ppm
Concentration per Run 3	-0.0008 ppm	-0.0039 ppm	0.0012 ppm	0.0000 ppm	-0.0010 ppm	-0.0020 ppm	-0.0011 ppm
Recovery Percentage 1	4.667 %	-0.552 %	4.187 %	0.609 %	-4.450 %	7.952 %	-5.047 %
Concentration RSD	265.9 %	94.0 %	53.1 %	115.6 %	124.1 %	216.4 %	106.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	100.9341 %	103.4491 %	99.1430 %	101.3045 %	102.9546 %	99.3527 %
Concentration per Run 1	-0.0001 ppm	101.7471 %	103.0187 %	98.5665 %	101.8506 %	102.7086 %	98.8290 %
Concentration per Run 2	0.0006 ppm	100.0577 %	103.4621 %	100.2883 %	100.5367 %	103.1629 %	100.5785 %
Concentration per Run 3	0.0003 ppm	100.9976 %	103.8666 %	98.5741 %	101.5262 %	102.9922 %	98.6508 %
Recovery Percentage 1	5.038 %						
Concentration RSD	140.1 %	0.8 %	0.4 %	1.0 %	0.7 %	0.2 %	1.1 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113740-1 WG2113740
 Analysis started at: 9/17/2025 9:41:59 PM
 Rack: 2
 Vial: 56
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	0.0108 ppm	0.0003 ppm	0.0019 ppm	0.0002 ppm	0.0000 ppm	-0.0010 ppm
Concentration per Run 1	0.0005 ppm	0.0166 ppm	-0.0034 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0034 ppm
Concentration per Run 2	0.0007 ppm	0.0057 ppm	0.0023 ppm	0.0028 ppm	0.0003 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run 3	0.0000 ppm	0.0101 ppm	0.0022 ppm	0.0028 ppm	0.0002 ppm	0.0000 ppm	0.0027 ppm
Concentration RSD	96.6 %	50.9 %	953.5 %	79.9 %	45.1 %	230.5 %	329.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0013 ppm	0.0037 ppm	0.0012 ppm	0.0252 ppm	0.0380 ppm	0.0009 ppm
Concentration per Run 1	0.0001 ppm	-0.0012 ppm	0.0036 ppm	0.0007 ppm	0.0248 ppm	0.0509 ppm	0.0015 ppm
Concentration per Run 2	0.0000 ppm	-0.0012 ppm	0.0040 ppm	0.0021 ppm	0.0254 ppm	0.0083 ppm	0.0008 ppm
Concentration per Run 3	-0.0001 ppm	-0.0015 ppm	0.0035 ppm	0.0007 ppm	0.0254 ppm	0.0550 ppm	0.0006 ppm
Concentration RSD	791.9 %	12.8 %	7.4 %	68.1 %	1.4 %	68.0 %	49.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0067 ppm	0.0003 ppm	-0.0008 ppm	-0.0011 ppm	-0.0001 ppm	-0.0015 ppm	-0.0015 ppm
Concentration per Run 1	-0.0068 ppm	0.0003 ppm	-0.0017 ppm	-0.0019 ppm	-0.0012 ppm	-0.0006 ppm	-0.0044 ppm
Concentration per Run 2	-0.0076 ppm	0.0001 ppm	-0.0001 ppm	-0.0014 ppm	0.0010 ppm	-0.0006 ppm	0.0020 ppm
Concentration per Run 3	-0.0058 ppm	0.0006 ppm	-0.0005 ppm	0.0000 ppm	-0.0003 ppm	-0.0033 ppm	-0.0021 ppm
Concentration RSD	13.3 %	63.8 %	109.4 %	90.9 %	731.2 %	104.2 %	214.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0011 ppm	0.0020 ppm	0.0004 ppm	0.0000 ppm	-0.0007 ppm	0.0036 ppm	-0.0003 ppm
Concentration per Run 1	0.0004 ppm	-0.0024 ppm	-0.0001 ppm	0.0001 ppm	-0.0006 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run 2	-0.0029 ppm	0.0042 ppm	-0.0008 ppm	0.0001 ppm	-0.0017 ppm	0.0049 ppm	-0.0005 ppm
Concentration per Run 3	-0.0008 ppm	0.0042 ppm	0.0022 ppm	0.0000 ppm	0.0002 ppm	0.0047 ppm	-0.0003 ppm
Concentration RSD	151.5 %	191.2 %	372.1 %	14.2 %	141.6 %	59.1 %	60.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	103.1409 %	106.9857 %	102.0549 %	103.6410 %	106.0102 %	101.9928 %
Concentration per Run 1	0.0001 ppm	103.2678 %	106.1895 %	101.4183 %	103.5789 %	105.3511 %	101.7426 %
Concentration per Run 2	-0.0001 ppm	103.4199 %	106.0714 %	102.6307 %	103.8623 %	105.1896 %	102.3232 %
Concentration per Run 3	-0.0002 ppm	102.7351 %	108.6963 %	102.1157 %	103.4818 %	107.4899 %	101.9126 %
Concentration RSD	273.7 %	0.3 %	1.4 %	0.6 %	0.2 %	1.2 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113740-2 WG2113740
 Analysis started at: 9/17/2025 9:45:26 PM
 Rack: 2
 Vial: 57
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0492 ppm	2.0398 ppm	0.1212 ppm	0.9820 ppm	1.9710 ppm	0.0502 ppm	9.9243 ppm
Concentration per Run 1	0.0496 ppm	2.0519 ppm	0.1224 ppm	0.9791 ppm	1.9795 ppm	0.0504 ppm	10.0026 ppm
Concentration per Run 2	0.0486 ppm	2.0262 ppm	0.1202 ppm	0.9815 ppm	1.9706 ppm	0.0501 ppm	9.8585 ppm
Concentration per Run 3	0.0492 ppm	2.0414 ppm	0.1210 ppm	0.9854 ppm	1.9630 ppm	0.0502 ppm	9.9117 ppm
Concentration RSD	1.0 %	0.6 %	0.9 %	0.3 %	0.4 %	0.3 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0521 ppm	0.4829 ppm	0.1963 ppm	0.2393 ppm	0.9961 ppm	10.3299 ppm	0.0009 ppm
Concentration per Run 1	0.0524 ppm	0.4844 ppm	0.1969 ppm	0.2401 ppm	1.0000 ppm	10.4107 ppm	0.0017 ppm
Concentration per Run 2	0.0516 ppm	0.4780 ppm	0.1943 ppm	0.2369 ppm	0.9952 ppm	10.3288 ppm	0.0011 ppm
Concentration per Run 3	0.0525 ppm	0.4863 ppm	0.1976 ppm	0.2408 ppm	0.9930 ppm	10.2502 ppm	-0.0001 ppm
Concentration RSD	1.0 %	0.9 %	0.9 %	0.9 %	0.4 %	0.8 %	102.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.7152 ppm	0.4921 ppm	0.9740 ppm	10.2628 ppm	0.4864 ppm	0.5310 ppm	0.3684 ppm
Concentration per Run 1	9.7534 ppm	0.4943 ppm	0.9744 ppm	10.3393 ppm	0.4875 ppm	0.5309 ppm	0.3691 ppm
Concentration per Run 2	9.6257 ppm	0.4898 ppm	0.9663 ppm	10.1922 ppm	0.4846 ppm	0.5300 ppm	0.3591 ppm
Concentration per Run 3	9.7667 ppm	0.4923 ppm	0.9812 ppm	10.2569 ppm	0.4873 ppm	0.5321 ppm	0.3768 ppm
Concentration RSD	0.8 %	0.5 %	0.8 %	0.7 %	0.3 %	0.2 %	2.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1171 ppm	1.0299 ppm	0.9398 ppm	0.9803 ppm	0.9852 ppm	0.1231 ppm	0.5028 ppm
Concentration per Run 1	0.1154 ppm	1.0302 ppm	0.9437 ppm	0.9796 ppm	0.9875 ppm	0.1228 ppm	0.5040 ppm
Concentration per Run 2	0.1186 ppm	1.0197 ppm	0.9316 ppm	0.9807 ppm	0.9793 ppm	0.1245 ppm	0.4978 ppm
Concentration per Run 3	0.1173 ppm	1.0400 ppm	0.9443 ppm	0.9805 ppm	0.9887 ppm	0.1220 ppm	0.5067 ppm
Concentration RSD	1.4 %	1.0 %	0.8 %	0.1 %	0.5 %	1.1 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4941 ppm	104.0275 %	107.1549 %	103.0981 %	103.2725 %	104.9936 %	102.0454 %
Concentration per Run 1	0.4945 ppm	104.2312 %	107.4823 %	102.9723 %	103.4127 %	105.5025 %	102.1002 %
Concentration per Run 2	0.4922 ppm	104.2767 %	107.3728 %	102.9205 %	103.6511 %	105.3698 %	101.7733 %
Concentration per Run 3	0.4955 ppm	103.5746 %	106.6097 %	103.4015 %	102.7537 %	104.1087 %	102.2627 %
Concentration RSD	0.4 %	0.4 %	0.4 %	0.3 %	0.5 %	0.7 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556713-01 WG2113740
 Analysis started at: 9/17/2025 9:48:42 PM
 Rack: 2
 Vial: 58
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	0.0113 ppm	0.0007 ppm	0.0742 ppm	0.0625 ppm	0.0000 ppm	79.3143 ppm
Concentration per Run 1	0.0003 ppm	0.0126 ppm	0.0013 ppm	0.0729 ppm	0.0624 ppm	0.0001 ppm	79.0706 ppm
Concentration per Run 2	0.0014 ppm	0.0099 ppm	0.0014 ppm	0.0739 ppm	0.0629 ppm	0.0000 ppm	79.5820 ppm
Concentration per Run 3	0.0012 ppm	0.0113 ppm	-0.0007 ppm	0.0759 ppm	0.0623 ppm	0.0000 ppm	79.2902 ppm
Concentration RSD	64.2 %	11.7 %	185.4 %	2.0 %	0.5 %	108.5 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0007 ppm	-0.0010 ppm	0.0007 ppm	0.0017 ppm	0.0207 ppm	2.1804 ppm	0.0062 ppm
Concentration per Run 1	-0.0007 ppm	-0.0005 ppm	0.0009 ppm	0.0014 ppm	0.0207 ppm	2.1878 ppm	0.0064 ppm
Concentration per Run 2	-0.0009 ppm	-0.0007 ppm	0.0011 ppm	0.0024 ppm	0.0229 ppm	2.1556 ppm	0.0071 ppm
Concentration per Run 3	-0.0006 ppm	-0.0017 ppm	0.0001 ppm	0.0014 ppm	0.0186 ppm	2.1978 ppm	0.0052 ppm
Concentration RSD	17.0 %	68.1 %	80.6 %	32.2 %	10.3 %	1.0 %	15.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	18.7579 ppm	0.0271 ppm	0.0037 ppm	67.3809 ppm	0.0009 ppm	-0.0008 ppm	0.0082 ppm
Concentration per Run 1	18.8585 ppm	0.0266 ppm	0.0050 ppm	67.0535 ppm	0.0015 ppm	-0.0015 ppm	0.0090 ppm
Concentration per Run 2	18.7303 ppm	0.0276 ppm	0.0024 ppm	67.7555 ppm	0.0016 ppm	-0.0026 ppm	0.0090 ppm
Concentration per Run 3	18.6847 ppm	0.0272 ppm	0.0036 ppm	67.3338 ppm	-0.0005 ppm	0.0015 ppm	0.0067 ppm
Concentration RSD	0.5 %	1.9 %	34.8 %	0.5 %	134.6 %	247.5 %	15.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0028 ppm	2.7080 ppm	0.0061 ppm	0.4508 ppm	0.0004 ppm	0.0030 ppm	-0.0007 ppm
Concentration per Run 1	-0.0035 ppm	2.7231 ppm	0.0049 ppm	0.4501 ppm	0.0004 ppm	0.0013 ppm	-0.0015 ppm
Concentration per Run 2	-0.0018 ppm	2.7087 ppm	0.0088 ppm	0.4519 ppm	0.0007 ppm	0.0025 ppm	-0.0004 ppm
Concentration per Run 3	-0.0032 ppm	2.6921 ppm	0.0046 ppm	0.4503 ppm	-0.0001 ppm	0.0051 ppm	-0.0003 ppm
Concentration RSD	32.0 %	0.6 %	38.4 %	0.2 %	109.0 %	65.7 %	95.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0018 ppm	107.1551 %	107.3803 %	104.8152 %	106.7522 %	104.9707 %	103.7648 %
Concentration per Run 1	-0.0019 ppm	106.5924 %	107.7585 %	104.6868 %	105.9444 %	105.8372 %	103.3933 %
Concentration per Run 2	-0.0019 ppm	106.5661 %	106.9930 %	104.4502 %	106.1836 %	104.1803 %	103.5020 %
Concentration per Run 3	-0.0017 ppm	108.3069 %	107.3893 %	105.3087 %	108.1285 %	104.8946 %	104.3990 %
Concentration RSD	7.9 %	0.9 %	0.4 %	0.4 %	1.1 %	0.8 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113740-3 WG2113740
 Analysis started at: 9/17/2025 9:51:58 PM
 Rack: 2
 Vial: 59
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0501 ppm	2.0648 ppm	0.1242 ppm	1.0637 ppm	2.0426 ppm	0.0509 ppm	88.1798 ppm
Concentration per Run 1	0.0495 ppm	2.0630 ppm	0.1227 ppm	1.0565 ppm	2.0440 ppm	0.0508 ppm	88.0055 ppm
Concentration per Run 2	0.0508 ppm	2.0712 ppm	0.1277 ppm	1.0661 ppm	2.0544 ppm	0.0510 ppm	88.8192 ppm
Concentration per Run 3	0.0501 ppm	2.0603 ppm	0.1222 ppm	1.0684 ppm	2.0293 ppm	0.0507 ppm	87.7148 ppm
Concentration RSD	1.2 %	0.3 %	2.5 %	0.6 %	0.6 %	0.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0505 ppm	0.4782 ppm	0.1936 ppm	0.2516 ppm	1.0236 ppm	12.5873 ppm	0.0068 ppm
Concentration per Run 1	0.0504 ppm	0.4810 ppm	0.1919 ppm	0.2518 ppm	1.0237 ppm	12.6382 ppm	0.0066 ppm
Concentration per Run 2	0.0503 ppm	0.4761 ppm	0.1938 ppm	0.2516 ppm	1.0267 ppm	12.6080 ppm	0.0061 ppm
Concentration per Run 3	0.0508 ppm	0.4775 ppm	0.1952 ppm	0.2514 ppm	1.0204 ppm	12.5156 ppm	0.0076 ppm
Concentration RSD	0.5 %	0.5 %	0.8 %	0.1 %	0.3 %	0.5 %	11.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	28.3567 ppm	0.5165 ppm	0.9677 ppm	77.1869 ppm	0.4824 ppm	0.5343 ppm	0.3783 ppm
Concentration per Run 1	28.3245 ppm	0.5178 ppm	0.9659 ppm	76.9824 ppm	0.4776 ppm	0.5295 ppm	0.3715 ppm
Concentration per Run 2	28.2738 ppm	0.5187 ppm	0.9673 ppm	77.7016 ppm	0.4842 ppm	0.5370 ppm	0.3762 ppm
Concentration per Run 3	28.4717 ppm	0.5131 ppm	0.9700 ppm	76.8766 ppm	0.4855 ppm	0.5362 ppm	0.3871 ppm
Concentration RSD	0.4 %	0.6 %	0.2 %	0.6 %	0.9 %	0.8 %	2.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1191 ppm	3.7435 ppm	0.9274 ppm	1.4312 ppm	0.9859 ppm	0.1250 ppm	0.5039 ppm
Concentration per Run 1	0.1163 ppm	3.7390 ppm	0.9198 ppm	1.4318 ppm	0.9837 ppm	0.1202 ppm	0.5052 ppm
Concentration per Run 2	0.1242 ppm	3.7492 ppm	0.9287 ppm	1.4362 ppm	0.9867 ppm	0.1274 ppm	0.5036 ppm
Concentration per Run 3	0.1168 ppm	3.7423 ppm	0.9336 ppm	1.4254 ppm	0.9872 ppm	0.1274 ppm	0.5027 ppm
Concentration RSD	3.7 %	0.1 %	0.8 %	0.4 %	0.2 %	3.3 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4798 ppm	106.0693 %	106.4588 %	103.4812 %	105.0621 %	103.9855 %	102.4985 %
Concentration per Run 1	0.4767 ppm	106.1327 %	106.7260 %	104.6312 %	104.6899 %	104.2752 %	103.0715 %
Concentration per Run 2	0.4796 ppm	106.7747 %	105.0707 %	103.1332 %	106.3234 %	102.5757 %	102.5272 %
Concentration per Run 3	0.4831 ppm	105.3004 %	107.5796 %	102.6792 %	104.1730 %	105.1057 %	101.8968 %
Concentration RSD	0.7 %	0.7 %	1.2 %	1.0 %	1.1 %	1.2 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113740-4 WG2113740
 Analysis started at: 9/17/2025 9:55:14 PM
 Rack: 2
 Vial: 60
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.0872 ppm	0.0022 ppm	0.0777 ppm	0.0647 ppm	0.0000 ppm	79.7431 ppm
Concentration per Run 1	0.0007 ppm	0.0916 ppm	0.0051 ppm	0.0790 ppm	0.0642 ppm	0.0000 ppm	79.4535 ppm
Concentration per Run 2	0.0015 ppm	0.0792 ppm	-0.0007 ppm	0.0777 ppm	0.0647 ppm	-0.0001 ppm	79.7339 ppm
Concentration per Run 3	0.0006 ppm	0.0909 ppm	0.0022 ppm	0.0765 ppm	0.0652 ppm	0.0000 ppm	80.0420 ppm
Concentration RSD	52.2 %	8.0 %	134.8 %	1.6 %	0.8 %	856.5 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0004 ppm	-0.0001 ppm	0.0003 ppm	0.0018 ppm	0.0506 ppm	2.1831 ppm	0.0066 ppm
Concentration per Run 1	-0.0004 ppm	-0.0004 ppm	0.0004 ppm	0.0013 ppm	0.0513 ppm	2.1727 ppm	0.0066 ppm
Concentration per Run 2	-0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0016 ppm	0.0487 ppm	2.1750 ppm	0.0074 ppm
Concentration per Run 3	-0.0005 ppm	0.0000 ppm	0.0003 ppm	0.0024 ppm	0.0518 ppm	2.2016 ppm	0.0058 ppm
Concentration RSD	22.4 %	622.2 %	18.4 %	30.9 %	3.2 %	0.7 %	12.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	19.0518 ppm	0.0276 ppm	0.0058 ppm	67.9395 ppm	0.0014 ppm	-0.0033 ppm	0.0103 ppm
Concentration per Run 1	19.1111 ppm	0.0272 ppm	0.0059 ppm	67.7339 ppm	0.0001 ppm	-0.0051 ppm	0.0048 ppm
Concentration per Run 2	18.9881 ppm	0.0277 ppm	0.0054 ppm	67.8218 ppm	0.0019 ppm	-0.0043 ppm	0.0085 ppm
Concentration per Run 3	19.0561 ppm	0.0279 ppm	0.0061 ppm	68.2628 ppm	0.0021 ppm	-0.0005 ppm	0.0176 ppm
Concentration RSD	0.3 %	1.2 %	6.7 %	0.4 %	78.4 %	74.3 %	63.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0014 ppm	2.7644 ppm	0.0111 ppm	0.4533 ppm	0.0007 ppm	0.0019 ppm	-0.0007 ppm
Concentration per Run 1	-0.0005 ppm	2.7590 ppm	0.0140 ppm	0.4497 ppm	0.0014 ppm	0.0022 ppm	-0.0007 ppm
Concentration per Run 2	-0.0044 ppm	2.7684 ppm	0.0094 ppm	0.4530 ppm	0.0001 ppm	0.0058 ppm	-0.0004 ppm
Concentration per Run 3	0.0006 ppm	2.7658 ppm	0.0100 ppm	0.4572 ppm	0.0007 ppm	-0.0022 ppm	-0.0009 ppm
Concentration RSD	185.5 %	0.2 %	22.3 %	0.8 %	86.3 %	205.8 %	42.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0018 ppm	103.3476 %	104.7498 %	101.1272 %	102.4412 %	102.2340 %	100.2298 %
Concentration per Run 1	0.0013 ppm	103.2108 %	105.0979 %	101.3977 %	102.9438 %	102.3712 %	100.4833 %
Concentration per Run 2	0.0021 ppm	103.5009 %	104.3792 %	100.2137 %	102.3169 %	101.9482 %	99.3506 %
Concentration per Run 3	0.0019 ppm	103.3312 %	104.7724 %	101.7703 %	102.0628 %	102.3826 %	100.8555 %
Concentration RSD	25.1 %	0.1 %	0.3 %	0.8 %	0.4 %	0.2 %	0.8 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113740-5 WG2113740
 Analysis started at: 9/17/2025 9:58:30 PM
 Rack: 3
 Vial: 1
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0527 ppm	2.1531 ppm	0.1277 ppm	1.1150 ppm	2.1292 ppm	0.0529 ppm	89.8729 ppm
Concentration per Run 1	0.0533 ppm	2.1536 ppm	0.1294 ppm	1.1225 ppm	2.1282 ppm	0.0529 ppm	89.4592 ppm
Concentration per Run 2	0.0527 ppm	2.1500 ppm	0.1287 ppm	1.1152 ppm	2.1351 ppm	0.0529 ppm	90.1607 ppm
Concentration per Run 3	0.0522 ppm	2.1557 ppm	0.1250 ppm	1.1072 ppm	2.1243 ppm	0.0530 ppm	89.9988 ppm
Concentration RSD	1.0 %	0.1 %	1.9 %	0.7 %	0.3 %	0.1 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0531 ppm	0.5023 ppm	0.2019 ppm	0.2634 ppm	1.0584 ppm	13.0390 ppm	0.0061 ppm
Concentration per Run 1	0.0532 ppm	0.5017 ppm	0.2038 ppm	0.2629 ppm	1.0619 ppm	13.0145 ppm	0.0058 ppm
Concentration per Run 2	0.0531 ppm	0.5040 ppm	0.2027 ppm	0.2631 ppm	1.0541 ppm	13.0945 ppm	0.0059 ppm
Concentration per Run 3	0.0530 ppm	0.5013 ppm	0.1994 ppm	0.2642 ppm	1.0592 ppm	13.0080 ppm	0.0067 ppm
Concentration RSD	0.2 %	0.3 %	1.1 %	0.3 %	0.4 %	0.4 %	8.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	29.0562 ppm	0.5385 ppm	1.0193 ppm	78.0538 ppm	0.5000 ppm	0.5456 ppm	0.3442 ppm
Concentration per Run 1	28.9940 ppm	0.5373 ppm	1.0189 ppm	77.7524 ppm	0.5064 ppm	0.5512 ppm	0.3382 ppm
Concentration per Run 2	29.1917 ppm	0.5376 ppm	1.0179 ppm	78.7794 ppm	0.4984 ppm	0.5438 ppm	0.3439 ppm
Concentration per Run 3	28.9827 ppm	0.5405 ppm	1.0211 ppm	77.6295 ppm	0.4953 ppm	0.5419 ppm	0.3505 ppm
Concentration RSD	0.4 %	0.3 %	0.2 %	0.8 %	1.1 %	0.9 %	1.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1222 ppm	3.6665 ppm	0.9866 ppm	1.4792 ppm	1.0339 ppm	0.1278 ppm	0.5280 ppm
Concentration per Run 1	0.1219 ppm	3.6515 ppm	0.9935 ppm	1.4816 ppm	1.0348 ppm	0.1280 ppm	0.5292 ppm
Concentration per Run 2	0.1204 ppm	3.6726 ppm	0.9900 ppm	1.4792 ppm	1.0390 ppm	0.1310 ppm	0.5286 ppm
Concentration per Run 3	0.1244 ppm	3.6753 ppm	0.9763 ppm	1.4767 ppm	1.0279 ppm	0.1244 ppm	0.5261 ppm
Concentration RSD	1.7 %	0.4 %	0.9 %	0.2 %	0.5 %	2.6 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5059 ppm	103.3497 %	103.0125 %	101.2063 %	102.3886 %	101.3066 %	99.9567 %
Concentration per Run 1	0.5091 ppm	102.4817 %	103.9600 %	101.0371 %	101.6397 %	102.0731 %	99.3114 %
Concentration per Run 2	0.5049 ppm	103.7649 %	102.4020 %	100.9134 %	102.3894 %	100.2595 %	100.3212 %
Concentration per Run 3	0.5036 ppm	103.8025 %	102.6755 %	101.6685 %	103.1368 %	101.5873 %	100.2377 %
Concentration RSD	0.6 %	0.7 %	0.8 %	0.4 %	0.7 %	0.9 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: WG2113740-6d5 WG2113740
 Analysis started at: 9/17/2025 10:01:47 PM
 Rack: 3
 Vial: 2
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	0.0141 ppm	0.0003 ppm	0.0181 ppm	0.0129 ppm	0.0000 ppm	16.2437 ppm
Concentration per Run 1	0.0010 ppm	0.0190 ppm	0.0010 ppm	0.0186 ppm	0.0129 ppm	0.0000 ppm	16.2303 ppm
Concentration per Run 2	0.0020 ppm	0.0183 ppm	-0.0004 ppm	0.0169 ppm	0.0129 ppm	0.0000 ppm	16.3096 ppm
Concentration per Run 3	0.0014 ppm	0.0049 ppm	0.0002 ppm	0.0188 ppm	0.0129 ppm	0.0000 ppm	16.1912 ppm
Concentration RSD	36.4 %	56.5 %	246.6 %	6.0 %	0.2 %	287.6 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0013 ppm	-0.0001 ppm	0.0016 ppm	0.0110 ppm	0.4885 ppm	0.0025 ppm
Concentration per Run 1	-0.0004 ppm	-0.0015 ppm	-0.0003 ppm	0.0002 ppm	0.0107 ppm	0.4693 ppm	0.0031 ppm
Concentration per Run 2	-0.0002 ppm	-0.0011 ppm	-0.0003 ppm	0.0025 ppm	0.0114 ppm	0.4991 ppm	0.0028 ppm
Concentration per Run 3	-0.0001 ppm	-0.0015 ppm	0.0004 ppm	0.0020 ppm	0.0109 ppm	0.4970 ppm	0.0017 ppm
Concentration RSD	71.0 %	18.0 %	652.2 %	75.0 %	3.1 %	3.4 %	29.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.7941 ppm	0.0055 ppm	0.0048 ppm	13.7099 ppm	0.0009 ppm	-0.0028 ppm	0.0262 ppm
Concentration per Run 1	3.7873 ppm	0.0056 ppm	0.0054 ppm	13.7405 ppm	0.0010 ppm	-0.0015 ppm	0.0296 ppm
Concentration per Run 2	3.7974 ppm	0.0055 ppm	0.0051 ppm	13.7248 ppm	0.0026 ppm	-0.0020 ppm	0.0254 ppm
Concentration per Run 3	3.7976 ppm	0.0054 ppm	0.0038 ppm	13.6644 ppm	-0.0010 ppm	-0.0048 ppm	0.0236 ppm
Concentration RSD	0.2 %	1.9 %	18.3 %	0.3 %	207.1 %	63.8 %	11.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0000 ppm	0.5343 ppm	0.0218 ppm	0.0909 ppm	-0.0002 ppm	0.0021 ppm	-0.0006 ppm
Concentration per Run 1	0.0026 ppm	0.5361 ppm	0.0227 ppm	0.0910 ppm	-0.0006 ppm	0.0051 ppm	-0.0010 ppm
Concentration per Run 2	-0.0021 ppm	0.5366 ppm	0.0222 ppm	0.0905 ppm	0.0005 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run 3	-0.0005 ppm	0.5303 ppm	0.0205 ppm	0.0913 ppm	-0.0004 ppm	0.0009 ppm	-0.0006 ppm
Concentration RSD	147,358.9 %	0.7 %	5.1 %	0.5 %	347.0 %	125.9 %	77.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	105.4272 %	106.7632 %	104.7597 %	104.6050 %	104.6931 %	104.4069 %
Concentration per Run 1	0.0001 ppm	105.5983 %	106.8282 %	105.0520 %	104.7236 %	105.1177 %	104.6689 %
Concentration per Run 2	-0.0003 ppm	105.4642 %	106.2902 %	104.2582 %	104.8739 %	104.1524 %	104.2324 %
Concentration per Run 3	-0.0001 ppm	105.2191 %	107.1713 %	104.9688 %	104.2177 %	104.8091 %	104.3195 %
Concentration RSD	167.1 %	0.2 %	0.4 %	0.4 %	0.3 %	0.5 %	0.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556321-02 WG2113740
 Analysis started at: 9/17/2025 10:05:03 PM
 Rack: 3
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.0156 ppm	0.0027 ppm	0.0325 ppm	0.0470 ppm	0.0000 ppm	19.4782 ppm
Concentration per Run 1	0.0007 ppm	0.0157 ppm	0.0041 ppm	0.0332 ppm	0.0467 ppm	0.0000 ppm	19.3285 ppm
Concentration per Run 2	0.0010 ppm	0.0182 ppm	0.0017 ppm	0.0322 ppm	0.0474 ppm	0.0000 ppm	19.6782 ppm
Concentration per Run 3	0.0009 ppm	0.0130 ppm	0.0021 ppm	0.0321 ppm	0.0469 ppm	0.0000 ppm	19.4279 ppm
Concentration RSD	17.9 %	16.8 %	47.7 %	1.8 %	0.8 %	1,359.4 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0008 ppm	0.1179 ppm	3.0735 ppm	0.0020 ppm
Concentration per Run 1	0.0000 ppm	-0.0011 ppm	0.0005 ppm	0.0002 ppm	0.1172 ppm	3.0427 ppm	0.0027 ppm
Concentration per Run 2	-0.0004 ppm	0.0012 ppm	0.0008 ppm	0.0007 ppm	0.1197 ppm	3.0815 ppm	0.0012 ppm
Concentration per Run 3	-0.0003 ppm	0.0000 ppm	0.0007 ppm	0.0016 ppm	0.1166 ppm	3.0964 ppm	0.0020 ppm
Concentration RSD	108.8 %	2,483.0 %	18.7 %	85.3 %	1.4 %	0.9 %	37.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	2.5704 ppm	0.3577 ppm	0.0026 ppm	38.6026 ppm	-0.0001 ppm	-0.0026 ppm	0.0044 ppm
Concentration per Run 1	2.5795 ppm	0.3535 ppm	0.0034 ppm	38.2129 ppm	0.0000 ppm	-0.0006 ppm	-0.0004 ppm
Concentration per Run 2	2.5643 ppm	0.3624 ppm	0.0011 ppm	39.0616 ppm	0.0006 ppm	-0.0063 ppm	0.0090 ppm
Concentration per Run 3	2.5675 ppm	0.3570 ppm	0.0033 ppm	38.5332 ppm	-0.0009 ppm	-0.0010 ppm	0.0047 ppm
Concentration RSD	0.3 %	1.3 %	49.4 %	1.1 %	638.3 %	122.0 %	106.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0031 ppm	0.1641 ppm	0.0027 ppm	0.1042 ppm	-0.0007 ppm	0.0035 ppm	-0.0001 ppm
Concentration per Run 1	-0.0025 ppm	0.1684 ppm	0.0025 ppm	0.1034 ppm	-0.0016 ppm	0.0016 ppm	-0.0003 ppm
Concentration per Run 2	-0.0014 ppm	0.1573 ppm	0.0048 ppm	0.1053 ppm	-0.0005 ppm	0.0074 ppm	0.0004 ppm
Concentration per Run 3	-0.0052 ppm	0.1667 ppm	0.0007 ppm	0.1039 ppm	0.0000 ppm	0.0016 ppm	-0.0006 ppm
Concentration RSD	64.1 %	3.6 %	77.1 %	0.9 %	116.2 %	95.5 %	361.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	106.1764 %	107.9169 %	104.4534 %	105.6726 %	105.4879 %	103.9622 %
Concentration per Run 1	0.0000 ppm	104.6420 %	109.0076 %	103.1616 %	104.3045 %	106.1503 %	103.2706 %
Concentration per Run 2	-0.0007 ppm	107.3120 %	106.2964 %	104.8199 %	106.8136 %	104.1294 %	104.5248 %
Concentration per Run 3	0.0001 ppm	106.5751 %	108.4467 %	105.3788 %	105.8995 %	106.1839 %	104.0913 %
Concentration RSD	215.1 %	1.3 %	1.3 %	1.1 %	1.2 %	1.1 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556321-04 WG2113740
 Analysis started at: 9/17/2025 10:08:20 PM
 Rack: 3
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0012 ppm	0.0198 ppm	0.0032 ppm	0.0105 ppm	0.0032 ppm	0.0000 ppm	1.1241 ppm
Concentration per Run 1	0.0015 ppm	0.0197 ppm	0.0027 ppm	0.0112 ppm	0.0033 ppm	0.0000 ppm	1.1197 ppm
Concentration per Run 2	0.0015 ppm	0.0170 ppm	0.0036 ppm	0.0102 ppm	0.0031 ppm	0.0000 ppm	1.1257 ppm
Concentration per Run 3	0.0007 ppm	0.0226 ppm	0.0034 ppm	0.0101 ppm	0.0034 ppm	0.0001 ppm	1.1270 ppm
Concentration RSD	39.2 %	14.1 %	14.6 %	5.6 %	4.1 %	128.6 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	-0.0002 ppm	0.0008 ppm	0.0019 ppm	0.1076 ppm	0.6906 ppm	0.0012 ppm
Concentration per Run 1	-0.0003 ppm	-0.0007 ppm	0.0018 ppm	0.0028 ppm	0.1078 ppm	0.6865 ppm	0.0007 ppm
Concentration per Run 2	-0.0003 ppm	-0.0004 ppm	0.0001 ppm	0.0004 ppm	0.1065 ppm	0.6777 ppm	0.0008 ppm
Concentration per Run 3	-0.0003 ppm	0.0006 ppm	0.0004 ppm	0.0024 ppm	0.1084 ppm	0.7075 ppm	0.0021 ppm
Concentration RSD	6.7 %	398.8 %	118.4 %	67.1 %	0.9 %	2.2 %	66.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4398 ppm	0.0052 ppm	0.0004 ppm	4.5737 ppm	-0.0002 ppm	-0.0019 ppm	0.0032 ppm
Concentration per Run 1	0.4432 ppm	0.0054 ppm	0.0001 ppm	4.5514 ppm	-0.0012 ppm	-0.0031 ppm	0.0067 ppm
Concentration per Run 2	0.4400 ppm	0.0053 ppm	0.0000 ppm	4.5510 ppm	0.0006 ppm	-0.0006 ppm	-0.0005 ppm
Concentration per Run 3	0.4363 ppm	0.0050 ppm	0.0012 ppm	4.6188 ppm	0.0002 ppm	-0.0019 ppm	0.0035 ppm
Concentration RSD	0.8 %	3.8 %	149.3 %	0.9 %	619.4 %	66.7 %	112.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0059 ppm	0.0944 ppm	0.0019 ppm	0.0069 ppm	-0.0006 ppm	0.0044 ppm	-0.0003 ppm
Concentration per Run 1	-0.0064 ppm	0.0959 ppm	0.0050 ppm	0.0069 ppm	-0.0009 ppm	0.0046 ppm	0.0002 ppm
Concentration per Run 2	-0.0078 ppm	0.0932 ppm	0.0003 ppm	0.0069 ppm	-0.0009 ppm	0.0047 ppm	0.0001 ppm
Concentration per Run 3	-0.0034 ppm	0.0942 ppm	0.0004 ppm	0.0068 ppm	0.0001 ppm	0.0040 ppm	-0.0010 ppm
Concentration RSD	38.4 %	1.4 %	142.1 %	0.5 %	108.1 %	8.6 %	260.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0017 ppm	102.7889 %	105.8124 %	100.9241 %	102.3732 %	104.3419 %	100.5190 %
Concentration per Run 1	0.0019 ppm	102.8098 %	106.2344 %	101.1548 %	102.3872 %	104.6079 %	101.5222 %
Concentration per Run 2	0.0013 ppm	102.8819 %	105.4009 %	100.5795 %	102.5649 %	104.0240 %	99.4956 %
Concentration per Run 3	0.0017 ppm	102.6751 %	105.8019 %	101.0381 %	102.1676 %	104.3939 %	100.5392 %
Concentration RSD	17.2 %	0.1 %	0.4 %	0.3 %	0.2 %	0.3 %	1.0 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2557018-01d20 WG2113740
 Analysis started at: 9/17/2025 10:11:36 PM
 Rack: 3
 Vial: 5
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0019 ppm	0.0167 ppm	0.0013 ppm	0.0056 ppm	0.0005 ppm	0.0000 ppm	0.1680 ppm
Concentration per Run 1	0.0018 ppm	0.0174 ppm	0.0028 ppm	0.0067 ppm	0.0005 ppm	0.0000 ppm	0.1709 ppm
Concentration per Run 2	0.0024 ppm	0.0179 ppm	-0.0002 ppm	0.0048 ppm	0.0006 ppm	0.0000 ppm	0.1684 ppm
Concentration per Run 3	0.0016 ppm	0.0149 ppm	0.0012 ppm	0.0054 ppm	0.0005 ppm	0.0000 ppm	0.1646 ppm
Concentration RSD	19.7 %	9.6 %	117.4 %	17.4 %	16.3 %	360.6 %	1.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0005 ppm	0.0000 ppm	0.0022 ppm	0.0099 ppm	0.1680 ppm	0.0001 ppm
Concentration per Run 1	0.0001 ppm	-0.0009 ppm	0.0006 ppm	0.0034 ppm	0.0094 ppm	0.1597 ppm	0.0001 ppm
Concentration per Run 2	0.0002 ppm	0.0008 ppm	-0.0003 ppm	0.0017 ppm	0.0090 ppm	0.1636 ppm	0.0002 ppm
Concentration per Run 3	-0.0003 ppm	-0.0015 ppm	-0.0002 ppm	0.0016 ppm	0.0112 ppm	0.1807 ppm	-0.0002 ppm
Concentration RSD	17,603.0 %	230.2 %	4,471.7 %	46.7 %	12.1 %	6.7 %	289.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0259 ppm	0.0002 ppm	0.0004 ppm	2.1208 ppm	-0.0014 ppm	-0.0006 ppm	0.0024 ppm
Concentration per Run 1	0.0266 ppm	0.0004 ppm	0.0006 ppm	2.1226 ppm	0.0005 ppm	0.0024 ppm	0.0097 ppm
Concentration per Run 2	0.0255 ppm	0.0003 ppm	0.0012 ppm	2.1118 ppm	-0.0018 ppm	-0.0023 ppm	-0.0001 ppm
Concentration per Run 3	0.0255 ppm	0.0000 ppm	-0.0006 ppm	2.1280 ppm	-0.0029 ppm	-0.0018 ppm	-0.0022 ppm
Concentration RSD	2.6 %	73.2 %	225.9 %	0.4 %	123.3 %	455.1 %	258.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	0.0556 ppm	0.0090 ppm	0.0014 ppm	-0.0012 ppm	0.0002 ppm	-0.0008 ppm
Concentration per Run 1	0.0012 ppm	0.0562 ppm	0.0086 ppm	0.0013 ppm	-0.0018 ppm	0.0028 ppm	-0.0012 ppm
Concentration per Run 2	0.0036 ppm	0.0558 ppm	0.0110 ppm	0.0014 ppm	-0.0011 ppm	0.0007 ppm	-0.0007 ppm
Concentration per Run 3	0.0014 ppm	0.0548 ppm	0.0075 ppm	0.0015 ppm	-0.0008 ppm	-0.0029 ppm	-0.0006 ppm
Concentration RSD	63.2 %	1.3 %	19.9 %	8.7 %	40.8 %	1,349.9 %	43.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	101.6470 %	105.5533 %	101.4110 %	101.0667 %	103.6658 %	101.5950 %
Concentration per Run 1	0.0000 ppm	102.6343 %	104.9944 %	100.7926 %	101.9938 %	103.5114 %	101.1538 %
Concentration per Run 2	0.0007 ppm	100.2484 %	106.2967 %	101.2181 %	99.4791 %	104.1737 %	101.4618 %
Concentration per Run 3	0.0014 ppm	102.0582 %	105.3687 %	102.2223 %	101.7272 %	103.3122 %	102.1693 %
Concentration RSD	93.8 %	1.2 %	0.6 %	0.7 %	1.4 %	0.4 %	0.5 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
Analysis started at: 9/17/2025 10:24:17 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4844 ppm	0.4988 ppm	0.4925 ppm	0.4856 ppm	0.4955 ppm	0.5077 ppm	0.4869 ppm
Concentration per Run 1	0.4855 ppm	0.4943 ppm	0.4912 ppm	0.4904 ppm	0.4928 ppm	0.5040 ppm	0.4875 ppm
Concentration per Run 2	0.4847 ppm	0.4999 ppm	0.4966 ppm	0.4853 ppm	0.4979 ppm	0.5116 ppm	0.4845 ppm
Concentration per Run 3	0.4829 ppm	0.5023 ppm	0.4896 ppm	0.4810 ppm	0.4958 ppm	0.5073 ppm	0.4886 ppm
Recovery Percentage 1	96.876 %	99.767 %	98.491 %	97.111 %	99.105 %	101.533 %	97.372 %
Concentration RSD	0.3 %	0.8 %	0.7 %	1.0 %	0.5 %	0.7 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4992 ppm	0.5014 ppm	0.4992 ppm	0.4926 ppm	0.5012 ppm	5.1572 ppm	0.5186 ppm
Concentration per Run 1	0.5043 ppm	0.5010 ppm	0.5032 ppm	0.4976 ppm	0.4992 ppm	5.1457 ppm	0.5192 ppm
Concentration per Run 2	0.4939 ppm	0.4983 ppm	0.4968 ppm	0.4901 ppm	0.5044 ppm	5.1660 ppm	0.5183 ppm
Concentration per Run 3	0.4993 ppm	0.5049 ppm	0.4975 ppm	0.4902 ppm	0.4999 ppm	5.1600 ppm	0.5183 ppm
Recovery Percentage 1	99.837 %	100.278 %	99.838 %	98.529 %	100.230 %	103.145 %	103.720 %
Concentration RSD	1.0 %	0.7 %	0.7 %	0.9 %	0.6 %	0.2 %	0.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4752 ppm	0.4990 ppm	0.4924 ppm	10.0821 ppm	0.5010 ppm	0.5080 ppm	0.5050 ppm
Concentration per Run 1	0.4798 ppm	0.4966 ppm	0.4937 ppm	10.0878 ppm	0.5058 ppm	0.5105 ppm	0.5125 ppm
Concentration per Run 2	0.4716 ppm	0.5026 ppm	0.4912 ppm	10.1362 ppm	0.5004 ppm	0.5064 ppm	0.5034 ppm
Concentration per Run 3	0.4741 ppm	0.4979 ppm	0.4924 ppm	10.0224 ppm	0.4968 ppm	0.5070 ppm	0.4992 ppm
Recovery Percentage 1	95.032 %	99.802 %	98.484 %	100.821 %	100.200 %	101.591 %	101.001 %
Concentration RSD	0.9 %	0.6 %	0.3 %	0.6 %	0.9 %	0.4 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4936 ppm	5.3416 ppm	0.4952 ppm	0.5007 ppm	0.4909 ppm	0.5042 ppm	0.5029 ppm
Concentration per Run 1	0.4898 ppm	5.3832 ppm	0.4987 ppm	0.4971 ppm	0.4927 ppm	0.5045 ppm	0.5070 ppm
Concentration per Run 2	0.4958 ppm	5.3025 ppm	0.4939 ppm	0.5036 ppm	0.4891 ppm	0.5043 ppm	0.4986 ppm
Concentration per Run 3	0.4953 ppm	5.3390 ppm	0.4931 ppm	0.5014 ppm	0.4910 ppm	0.5040 ppm	0.5030 ppm
Recovery Percentage 1	98.729 %	101.744 %	99.044 %	100.137 %	98.188 %	100.850 %	100.575 %
Concentration RSD	0.7 %	0.8 %	0.6 %	0.7 %	0.4 %	0.0 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4995 ppm	103.2996 %	106.4241 %	101.7213 %	102.3347 %	104.4577 %	101.1180 %
Concentration per Run 1	0.5042 ppm	103.4285 %	106.3443 %	101.2536 %	102.5914 %	104.2320 %	100.5924 %
Concentration per Run 2	0.4994 ppm	102.7139 %	106.7595 %	102.4104 %	101.6922 %	104.5387 %	101.9304 %
Concentration per Run 3	0.4948 ppm	103.7564 %	106.1684 %	101.4999 %	102.7204 %	104.6025 %	100.8313 %
Recovery Percentage 1	99.896 %						
Concentration RSD	0.9 %	0.5 %	0.3 %	0.6 %	0.5 %	0.2 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 10:27:38 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	0.0140 ppm	-0.0010 ppm	0.0001 ppm	0.0003 ppm	0.0001 ppm	-0.0051 ppm
Concentration per Run 1	0.0017 ppm	0.0074 ppm	-0.0009 ppm	0.0000 ppm	0.0004 ppm	0.0001 ppm	-0.0058 ppm
Concentration per Run 2	0.0000 ppm	0.0135 ppm	-0.0016 ppm	0.0007 ppm	0.0002 ppm	0.0001 ppm	-0.0061 ppm
Concentration per Run 3	0.0005 ppm	0.0210 ppm	-0.0007 ppm	-0.0004 ppm	0.0002 ppm	0.0001 ppm	-0.0033 ppm
Recovery Percentage 1	10.417 %	13.993 %	-20.838 %	0.357 %	2.757 %	2.600 %	-5.057 %
Concentration RSD	125.5 %	48.7 %	44.0 %	508.5 %	42.4 %	37.3 %	30.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0006 ppm	0.0001 ppm	0.0009 ppm	0.0008 ppm	0.0362 ppm	0.0009 ppm
Concentration per Run 1	-0.0002 ppm	-0.0020 ppm	0.0009 ppm	0.0016 ppm	-0.0009 ppm	0.0215 ppm	0.0007 ppm
Concentration per Run 2	-0.0003 ppm	0.0005 ppm	-0.0002 ppm	0.0008 ppm	0.0011 ppm	0.0482 ppm	0.0005 ppm
Concentration per Run 3	0.0003 ppm	-0.0003 ppm	-0.0005 ppm	0.0003 ppm	0.0022 ppm	0.0390 ppm	0.0015 ppm
Recovery Percentage 1	-1.628 %	-2.999 %	0.552 %	9.016 %	1.559 %	1.449 %	17.468 %
Concentration RSD	365.8 %	210.9 %	1,333.4 %	70.8 %	202.8 %	37.4 %	62.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0071 ppm	0.0004 ppm	0.0011 ppm	-0.0029 ppm	-0.0004 ppm	-0.0040 ppm	-0.0007 ppm
Concentration per Run 1	-0.0062 ppm	0.0005 ppm	0.0009 ppm	-0.0012 ppm	-0.0013 ppm	-0.0037 ppm	-0.0007 ppm
Concentration per Run 2	-0.0094 ppm	0.0003 ppm	0.0012 ppm	0.0000 ppm	0.0008 ppm	-0.0030 ppm	-0.0053 ppm
Concentration per Run 3	-0.0056 ppm	0.0004 ppm	0.0013 ppm	-0.0074 ppm	-0.0008 ppm	-0.0054 ppm	0.0040 ppm
Recovery Percentage 1	-7.090 %	4.083 %	2.275 %	-0.143 %	-1.629 %	-40.455 %	-1.411 %
Concentration RSD	28.7 %	19.1 %	16.2 %	138.4 %	271.1 %	30.6 %	660.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0016 ppm	-0.0037 ppm	0.0019 ppm	0.0001 ppm	-0.0008 ppm	0.0014 ppm	-0.0004 ppm
Concentration per Run 1	-0.0031 ppm	0.0002 ppm	0.0028 ppm	0.0001 ppm	-0.0009 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 2	-0.0009 ppm	-0.0047 ppm	-0.0001 ppm	0.0000 ppm	-0.0007 ppm	0.0012 ppm	-0.0001 ppm
Concentration per Run 3	-0.0009 ppm	-0.0066 ppm	0.0029 ppm	0.0001 ppm	-0.0007 ppm	0.0027 ppm	-0.0010 ppm
Recovery Percentage 1	-16.264 %	-0.744 %	3.748 %	0.722 %	-7.902 %	7.069 %	-3.505 %
Concentration RSD	77.7 %	94.5 %	91.2 %	81.0 %	14.7 %	82.5 %	153.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	102.7596 %	106.4557 %	101.0263 %	103.5183 %	105.1507 %	101.7516 %
Concentration per Run 1	0.0003 ppm	102.4749 %	106.0472 %	100.8370 %	103.8685 %	104.7996 %	102.0527 %
Concentration per Run 2	0.0005 ppm	103.2040 %	106.9871 %	101.9755 %	103.5920 %	105.6793 %	102.1110 %
Concentration per Run 3	0.0008 ppm	102.6000 %	106.3329 %	100.2665 %	103.0944 %	104.9731 %	101.0912 %
Recovery Percentage 1	10.691 %						
Concentration RSD	44.5 %	0.4 %	0.5 %	0.9 %	0.4 %	0.4 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2557022-01d20 WG2113740
 Analysis started at: 9/17/2025 10:32:28 PM
 Rack: 3
 Vial: 6
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	0.0186 ppm	0.0027 ppm	0.0017 ppm	0.0022 ppm	0.0000 ppm	1.7032 ppm
Concentration per Run 1	0.0012 ppm	0.0209 ppm	0.0024 ppm	0.0022 ppm	0.0022 ppm	0.0000 ppm	1.7043 ppm
Concentration per Run 2	0.0014 ppm	0.0195 ppm	0.0019 ppm	-0.0008 ppm	0.0022 ppm	0.0000 ppm	1.6991 ppm
Concentration per Run 3	0.0007 ppm	0.0155 ppm	0.0038 ppm	0.0038 ppm	0.0022 ppm	0.0000 ppm	1.7063 ppm
Concentration RSD	35.3 %	14.9 %	35.8 %	134.3 %	1.9 %	373.0 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0015 ppm	0.0005 ppm	0.0042 ppm	0.0048 ppm	0.4393 ppm	0.0013 ppm
Concentration per Run 1	-0.0001 ppm	-0.0015 ppm	-0.0003 ppm	0.0038 ppm	0.0032 ppm	0.4431 ppm	0.0009 ppm
Concentration per Run 2	-0.0002 ppm	-0.0013 ppm	0.0008 ppm	0.0047 ppm	0.0052 ppm	0.4507 ppm	0.0019 ppm
Concentration per Run 3	-0.0002 ppm	-0.0018 ppm	0.0009 ppm	0.0041 ppm	0.0059 ppm	0.4241 ppm	0.0011 ppm
Concentration RSD	45.6 %	19.0 %	138.5 %	10.4 %	29.4 %	3.1 %	42.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5102 ppm	0.0003 ppm	-0.0002 ppm	6.3672 ppm	-0.0004 ppm	-0.0025 ppm	0.0007 ppm
Concentration per Run 1	0.5130 ppm	0.0003 ppm	-0.0009 ppm	6.3762 ppm	0.0005 ppm	-0.0037 ppm	0.0046 ppm
Concentration per Run 2	0.5061 ppm	0.0005 ppm	0.0010 ppm	6.3603 ppm	-0.0004 ppm	-0.0016 ppm	-0.0015 ppm
Concentration per Run 3	0.5113 ppm	0.0001 ppm	-0.0006 ppm	6.3651 ppm	-0.0012 ppm	-0.0022 ppm	-0.0012 ppm
Concentration RSD	0.7 %	55.5 %	534.1 %	0.1 %	232.2 %	43.2 %	516.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0045 ppm	0.3395 ppm	0.0024 ppm	0.0133 ppm	-0.0012 ppm	0.0008 ppm	-0.0007 ppm
Concentration per Run 1	-0.0086 ppm	0.3371 ppm	0.0011 ppm	0.0134 ppm	-0.0013 ppm	-0.0027 ppm	0.0002 ppm
Concentration per Run 2	-0.0044 ppm	0.3379 ppm	0.0020 ppm	0.0133 ppm	-0.0017 ppm	0.0031 ppm	-0.0013 ppm
Concentration per Run 3	-0.0007 ppm	0.3436 ppm	0.0040 ppm	0.0132 ppm	-0.0006 ppm	0.0020 ppm	-0.0011 ppm
Concentration RSD	87.3 %	1.1 %	62.0 %	0.6 %	47.0 %	399.6 %	111.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0012 ppm	103.4248 %	105.1286 %	101.5556 %	102.3934 %	103.3224 %	101.5180 %
Concentration per Run 1	0.0010 ppm	102.6751 %	104.7748 %	102.1477 %	101.4948 %	102.9773 %	101.7514 %
Concentration per Run 2	0.0011 ppm	104.0090 %	104.7376 %	100.6275 %	103.0521 %	102.7961 %	100.6950 %
Concentration per Run 3	0.0015 ppm	103.5904 %	105.8734 %	101.8915 %	102.6334 %	104.1937 %	102.1077 %
Concentration RSD	23.6 %	0.7 %	0.6 %	0.8 %	0.8 %	0.7 %	0.7 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
Analysis started at: 9/17/2025 10:37:51 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4841 ppm	0.4965 ppm	0.4851 ppm	0.4864 ppm	0.4941 ppm	0.5094 ppm	0.4868 ppm
Concentration per Run 1	0.4834 ppm	0.4969 ppm	0.4807 ppm	0.4838 ppm	0.4933 ppm	0.5095 ppm	0.4859 ppm
Concentration per Run 2	0.4883 ppm	0.4953 ppm	0.4896 ppm	0.4957 ppm	0.4934 ppm	0.5079 ppm	0.4844 ppm
Concentration per Run 3	0.4807 ppm	0.4973 ppm	0.4851 ppm	0.4798 ppm	0.4956 ppm	0.5107 ppm	0.4900 ppm
Recovery Percentage 1	96.829 %	99.302 %	97.019 %	97.290 %	98.824 %	101.873 %	97.350 %
Concentration RSD	0.8 %	0.2 %	0.9 %	1.7 %	0.3 %	0.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4963 ppm	0.4991 ppm	0.5001 ppm	0.4917 ppm	0.5017 ppm	5.1708 ppm	0.5143 ppm
Concentration per Run 1	0.4962 ppm	0.4991 ppm	0.5014 ppm	0.4904 ppm	0.5025 ppm	5.1480 ppm	0.5157 ppm
Concentration per Run 2	0.5002 ppm	0.5043 ppm	0.5051 ppm	0.4965 ppm	0.4981 ppm	5.1669 ppm	0.5126 ppm
Concentration per Run 3	0.4925 ppm	0.4939 ppm	0.4939 ppm	0.4881 ppm	0.5046 ppm	5.1974 ppm	0.5146 ppm
Recovery Percentage 1	99.253 %	99.819 %	100.022 %	98.335 %	100.343 %	103.415 %	102.860 %
Concentration RSD	0.8 %	1.0 %	1.1 %	0.9 %	0.7 %	0.5 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4723 ppm	0.5011 ppm	0.4892 ppm	10.1491 ppm	0.4995 ppm	0.5064 ppm	0.5013 ppm
Concentration per Run 1	0.4744 ppm	0.5037 ppm	0.4887 ppm	10.1721 ppm	0.5031 ppm	0.5052 ppm	0.5017 ppm
Concentration per Run 2	0.4764 ppm	0.4968 ppm	0.4934 ppm	10.1309 ppm	0.5053 ppm	0.5092 ppm	0.4967 ppm
Concentration per Run 3	0.4660 ppm	0.5028 ppm	0.4854 ppm	10.1442 ppm	0.4902 ppm	0.5050 ppm	0.5054 ppm
Recovery Percentage 1	94.454 %	100.218 %	97.835 %	101.491 %	99.906 %	101.290 %	100.252 %
Concentration RSD	1.2 %	0.7 %	0.8 %	0.2 %	1.6 %	0.5 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4888 ppm	5.3213 ppm	0.4935 ppm	0.5000 ppm	0.4903 ppm	0.4994 ppm	0.5008 ppm
Concentration per Run 1	0.4906 ppm	5.3200 ppm	0.4964 ppm	0.4990 ppm	0.4897 ppm	0.4956 ppm	0.5015 ppm
Concentration per Run 2	0.4909 ppm	5.3539 ppm	0.5014 ppm	0.4998 ppm	0.4932 ppm	0.5051 ppm	0.5036 ppm
Concentration per Run 3	0.4848 ppm	5.2901 ppm	0.4827 ppm	0.5011 ppm	0.4880 ppm	0.4975 ppm	0.4974 ppm
Recovery Percentage 1	97.759 %	101.358 %	98.698 %	99.992 %	98.062 %	99.877 %	100.169 %
Concentration RSD	0.7 %	0.6 %	2.0 %	0.2 %	0.5 %	1.0 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4970 ppm	103.7434 %	107.0292 %	101.9990 %	102.7348 %	104.5409 %	101.6682 %
Concentration per Run 1	0.5016 ppm	103.6753 %	107.4204 %	102.4401 %	103.1141 %	104.6491 %	101.8097 %
Concentration per Run 2	0.5036 ppm	103.1912 %	107.3351 %	101.7238 %	102.4345 %	104.9039 %	102.2104 %
Concentration per Run 3	0.4859 ppm	104.3637 %	106.3322 %	101.8332 %	102.6558 %	104.0696 %	100.9845 %
Recovery Percentage 1	99.405 %						
Concentration RSD	2.0 %	0.6 %	0.6 %	0.4 %	0.3 %	0.4 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 10:41:10 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.0133 ppm	0.0009 ppm	0.0019 ppm	0.0002 ppm	0.0001 ppm	-0.0008 ppm
Concentration per Run 1	0.0013 ppm	0.0156 ppm	0.0040 ppm	-0.0005 ppm	0.0003 ppm	0.0001 ppm	-0.0005 ppm
Concentration per Run 2	0.0010 ppm	0.0141 ppm	-0.0019 ppm	0.0017 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 3	0.0005 ppm	0.0102 ppm	0.0006 ppm	0.0045 ppm	0.0002 ppm	0.0001 ppm	-0.0020 ppm
Recovery Percentage 1	13.501 %	13.306 %	17.988 %	6.334 %	2.339 %	2.469 %	-0.828 %
Concentration RSD	40.7 %	20.8 %	331.0 %	133.2 %	33.7 %	82.7 %	125.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0015 ppm	0.0008 ppm	0.0003 ppm	0.0009 ppm	0.0294 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0017 ppm	0.0006 ppm	0.0001 ppm	-0.0015 ppm	0.0204 ppm	-0.0006 ppm
Concentration per Run 2	-0.0001 ppm	-0.0016 ppm	0.0013 ppm	0.0007 ppm	0.0006 ppm	0.0381 ppm	0.0006 ppm
Concentration per Run 3	-0.0002 ppm	-0.0013 ppm	0.0005 ppm	0.0000 ppm	0.0037 ppm	0.0295 ppm	0.0005 ppm
Recovery Percentage 1	-2.082 %	-7.607 %	7.911 %	2.918 %	1.858 %	1.175 %	3.068 %
Concentration RSD	79.8 %	13.1 %	54.8 %	126.3 %	280.3 %	30.2 %	443.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0095 ppm	0.0003 ppm	0.0022 ppm	-0.0012 ppm	0.0007 ppm	-0.0033 ppm	0.0000 ppm
Concentration per Run 1	-0.0091 ppm	0.0003 ppm	0.0032 ppm	-0.0049 ppm	0.0016 ppm	-0.0022 ppm	-0.0054 ppm
Concentration per Run 2	-0.0091 ppm	0.0002 ppm	0.0022 ppm	0.0037 ppm	0.0004 ppm	-0.0035 ppm	0.0000 ppm
Concentration per Run 3	-0.0102 ppm	0.0004 ppm	0.0011 ppm	-0.0024 ppm	0.0001 ppm	-0.0041 ppm	0.0053 ppm
Recovery Percentage 1	-9.462 %	2.950 %	4.317 %	-0.061 %	2.832 %	-32.676 %	-0.096 %
Concentration RSD	6.6 %	29.2 %	48.0 %	368.3 %	113.3 %	28.6 %	11,224.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0025 ppm	-0.0024 ppm	0.0019 ppm	0.0000 ppm	-0.0003 ppm	0.0039 ppm	0.0000 ppm
Concentration per Run 1	-0.0022 ppm	-0.0040 ppm	0.0031 ppm	0.0001 ppm	0.0002 ppm	0.0051 ppm	0.0008 ppm
Concentration per Run 2	-0.0024 ppm	-0.0023 ppm	0.0008 ppm	0.0001 ppm	-0.0008 ppm	0.0024 ppm	-0.0003 ppm
Concentration per Run 3	-0.0028 ppm	-0.0008 ppm	0.0018 ppm	-0.0001 ppm	-0.0005 ppm	0.0042 ppm	-0.0006 ppm
Recovery Percentage 1	-24.548 %	-0.477 %	3.723 %	0.364 %	-3.428 %	19.530 %	-0.493 %
Concentration RSD	11.5 %	66.3 %	62.5 %	336.6 %	146.3 %	34.5 %	1,592.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	103.0246 %	105.5811 %	100.6867 %	102.7348 %	105.1640 %	101.2574 %
Concentration per Run 1	0.0009 ppm	103.9050 %	105.3457 %	100.4708 %	101.9975 %	104.3575 %	100.4798 %
Concentration per Run 2	0.0006 ppm	103.2889 %	106.4875 %	100.3294 %	104.1591 %	106.0817 %	100.8683 %
Concentration per Run 3	0.0004 ppm	101.8798 %	104.9101 %	101.2598 %	102.0479 %	105.0527 %	102.4240 %
Recovery Percentage 1	12.542 %						
Concentration RSD	37.8 %	1.0 %	0.8 %	0.5 %	1.2 %	0.8 %	1.0 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556210-01d2 WG2114201
 Analysis started at: 9/17/2025 10:56:42 PM
 Rack: 3
 Vial: 7
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	70.4784 ppm	0.0676 ppm	0.0077 ppm	0.4092 ppm	0.0029 ppm	11.5208 ppm
Concentration per Run 1	0.0005 ppm	70.7034 ppm	0.0703 ppm	0.0075 ppm	0.4119 ppm	0.0029 ppm	11.5694 ppm
Concentration per Run 2	-0.0005 ppm	70.5032 ppm	0.0682 ppm	0.0092 ppm	0.4076 ppm	0.0029 ppm	11.5026 ppm
Concentration per Run 3	0.0006 ppm	70.2285 ppm	0.0645 ppm	0.0063 ppm	0.4081 ppm	0.0029 ppm	11.4904 ppm
Concentration RSD	273.1 %	0.3 %	4.3 %	18.8 %	0.6 %	1.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0645 ppm	0.1900 ppm	0.2491 ppm	219.0057 ppm	6.8661 ppm	0.0585 ppm
Concentration per Run 1	-0.0003 ppm	0.0636 ppm	0.1889 ppm	0.2492 ppm	219.7543 ppm	6.9109 ppm	0.0591 ppm
Concentration per Run 2	-0.0001 ppm	0.0640 ppm	0.1918 ppm	0.2497 ppm	218.6354 ppm	6.8484 ppm	0.0577 ppm
Concentration per Run 3	0.0001 ppm	0.0660 ppm	0.1893 ppm	0.2483 ppm	218.6273 ppm	6.8390 ppm	0.0586 ppm
Concentration RSD	239.0 %	2.0 %	0.8 %	0.3 %	0.3 %	0.6 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	19.4533 ppm	3.5239 ppm	0.0029 ppm	0.5212 ppm	0.1372 ppm	0.2908 ppm	-0.0154 ppm
Concentration per Run 1	19.4287 ppm	3.5400 ppm	0.0027 ppm	0.5256 ppm	0.1368 ppm	0.2917 ppm	-0.0070 ppm
Concentration per Run 2	19.5408 ppm	3.5199 ppm	0.0029 ppm	0.5204 ppm	0.1399 ppm	0.2899 ppm	-0.0161 ppm
Concentration per Run 3	19.3906 ppm	3.5118 ppm	0.0031 ppm	0.5178 ppm	0.1349 ppm	0.2908 ppm	-0.0229 ppm
Concentration RSD	0.4 %	0.4 %	5.7 %	0.8 %	1.8 %	0.3 %	52.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0031 ppm	4.9345 ppm	0.0311 ppm	0.0553 ppm	3.0158 ppm	0.0011 ppm	0.2391 ppm
Concentration per Run 1	-0.0012 ppm	4.9195 ppm	0.0332 ppm	0.0555 ppm	2.9965 ppm	-0.0030 ppm	0.2386 ppm
Concentration per Run 2	-0.0044 ppm	4.9557 ppm	0.0278 ppm	0.0550 ppm	3.0365 ppm	0.0025 ppm	0.2393 ppm
Concentration per Run 3	-0.0037 ppm	4.9283 ppm	0.0323 ppm	0.0554 ppm	3.0145 ppm	0.0037 ppm	0.2394 ppm
Concentration RSD	53.4 %	0.4 %	9.3 %	0.5 %	0.7 %	330.8 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3947 ppm	106.4718 %	109.5314 %	101.9105 %	119.0653 %	121.5978 %	116.4536 %
Concentration per Run 1	0.3923 ppm	106.8491 %	110.1075 %	101.5998 %	118.6451 %	122.7039 %	116.0940 %
Concentration per Run 2	0.3969 ppm	105.7223 %	108.9785 %	102.2283 %	118.5098 %	120.8942 %	116.9036 %
Concentration per Run 3	0.3949 ppm	106.8439 %	109.5083 %	101.9034 %	120.0411 %	121.1952 %	116.3630 %
Concentration RSD	0.6 %	0.6 %	0.5 %	0.3 %	0.7 %	0.8 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556210-02d2 WG2114201
 Analysis started at: 9/17/2025 11:00:12 PM
 Rack: 3
 Vial: 8
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0011 ppm	74.8664 ppm	0.0539 ppm	0.0520 ppm	0.5478 ppm	0.0027 ppm	411.0000 ppm
Concentration per Run 1	-0.0012 ppm	74.7629 ppm	0.0525 ppm	0.0500 ppm	0.5503 ppm	0.0027 ppm	410.0863 ppm
Concentration per Run 2	-0.0002 ppm	74.4302 ppm	0.0534 ppm	0.0509 ppm	0.5433 ppm	0.0027 ppm	409.6830 ppm
Concentration per Run 3	-0.0019 ppm	75.4062 ppm	0.0559 ppm	0.0549 ppm	0.5499 ppm	0.0027 ppm	413.2306 ppm
Concentration RSD	79.3 %	0.7 %	3.3 %	5.0 %	0.7 %	0.9 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0026 ppm	0.0722 ppm	0.5886 ppm	0.4393 ppm	224.1762 ppm	7.5029 ppm	0.0492 ppm
Concentration per Run 1	-0.0027 ppm	0.0717 ppm	0.5876 ppm	0.4414 ppm	224.0011 ppm	7.5263 ppm	0.0506 ppm
Concentration per Run 2	-0.0028 ppm	0.0728 ppm	0.5909 ppm	0.4406 ppm	223.1359 ppm	7.4430 ppm	0.0473 ppm
Concentration per Run 3	-0.0025 ppm	0.0722 ppm	0.5872 ppm	0.4359 ppm	225.3917 ppm	7.5395 ppm	0.0496 ppm
Concentration RSD	4.8 %	0.8 %	0.3 %	0.7 %	0.5 %	0.7 %	3.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	66.0242 ppm	3.8101 ppm	0.1779 ppm	1.7844 ppm	0.1394 ppm	0.2280 ppm	-0.0123 ppm
Concentration per Run 1	66.1166 ppm	3.7908 ppm	0.1798 ppm	1.7745 ppm	0.1403 ppm	0.2281 ppm	-0.0121 ppm
Concentration per Run 2	66.2777 ppm	3.7822 ppm	0.1747 ppm	1.7816 ppm	0.1400 ppm	0.2275 ppm	-0.0164 ppm
Concentration per Run 3	65.6783 ppm	3.8572 ppm	0.1791 ppm	1.7971 ppm	0.1378 ppm	0.2285 ppm	-0.0085 ppm
Concentration RSD	0.5 %	1.1 %	1.6 %	0.6 %	1.0 %	0.2 %	32.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0016 ppm	51.9081 [SIC 200]	0.0202 ppm	0.9193 ppm	3.7294 ppm	0.0010 ppm	0.5596 ppm
Concentration per Run 1	0.0033 ppm	52.0216 ppm	0.0208 ppm	0.9226 ppm	3.7336 ppm	0.0018 ppm	0.5607 ppm
Concentration per Run 2	-0.0007 ppm	52.0303 ppm	0.0178 ppm	0.9105 ppm	3.7391 ppm	0.0027 ppm	0.5592 ppm
Concentration per Run 3	-0.0073 ppm	51.6724 ppm	0.0220 ppm	0.9249 ppm	3.7155 ppm	-0.0014 ppm	0.5589 ppm
Concentration RSD	335.0 %	0.4 %	10.8 %	0.8 %	0.3 %	209.0 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7469 ppm	104.3557 %	108.0606 %	97.2284 %	115.4325 %	118.8733 %	111.8646 %
Concentration per Run 1	0.7485 ppm	104.2197 %	108.1947 %	97.8845 %	115.5111 %	119.2780 %	112.2372 %
Concentration per Run 2	0.7475 ppm	104.0264 %	108.4097 %	96.9295 %	114.7912 %	118.9994 %	111.8411 %
Concentration per Run 3	0.7448 ppm	104.8210 %	107.5774 %	96.8712 %	115.9952 %	118.3425 %	111.5154 %
Concentration RSD	0.3 %	0.4 %	0.4 %	0.6 %	0.5 %	0.4 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556210-03d2 WG2114201
 Analysis started at: 9/17/2025 11:03:28 PM
 Rack: 3
 Vial: 9
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	81.7807 ppm	0.0733 ppm	0.0096 ppm	0.5477 ppm	0.0036 ppm	17.5366 ppm
Concentration per Run 1	-0.0002 ppm	82.0048 ppm	0.0727 ppm	0.0076 ppm	0.5484 ppm	0.0037 ppm	17.6908 ppm
Concentration per Run 2	0.0011 ppm	81.8830 ppm	0.0726 ppm	0.0091 ppm	0.5489 ppm	0.0036 ppm	17.4535 ppm
Concentration per Run 3	0.0003 ppm	81.4544 ppm	0.0746 ppm	0.0121 ppm	0.5460 ppm	0.0036 ppm	17.4654 ppm
Concentration RSD	162.4 %	0.4 %	1.5 %	24.0 %	0.3 %	1.6 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0730 ppm	0.2157 ppm	0.3274 ppm	262.8477 ppm	9.0289 ppm	0.0655 ppm
Concentration per Run 1	-0.0001 ppm	0.0759 ppm	0.2182 ppm	0.3274 ppm	263.6628 ppm	9.0219 ppm	0.0662 ppm
Concentration per Run 2	0.0001 ppm	0.0713 ppm	0.2141 ppm	0.3257 ppm	262.3674 ppm	9.0600 ppm	0.0646 ppm
Concentration per Run 3	-0.0003 ppm	0.0719 ppm	0.2150 ppm	0.3290 ppm	262.5130 ppm	9.0049 ppm	0.0657 ppm
Concentration RSD	170.1 %	3.4 %	1.0 %	0.5 %	0.3 %	0.3 %	1.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	22.1467 ppm	4.8087 ppm	0.0038 ppm	0.5832 ppm	0.1568 ppm	0.4676 ppm	-0.0104 ppm
Concentration per Run 1	22.2494 ppm	4.8416 ppm	0.0039 ppm	0.5892 ppm	0.1585 ppm	0.4629 ppm	-0.0078 ppm
Concentration per Run 2	22.0141 ppm	4.7834 ppm	0.0035 ppm	0.5794 ppm	0.1545 ppm	0.4663 ppm	-0.0132 ppm
Concentration per Run 3	22.1765 ppm	4.8011 ppm	0.0040 ppm	0.5810 ppm	0.1574 ppm	0.4736 ppm	-0.0100 ppm
Concentration RSD	0.5 %	0.6 %	6.9 %	0.9 %	1.3 %	1.2 %	26.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0015 ppm	4.1021 ppm	0.0471 ppm	0.0841 ppm	3.6403 ppm	0.0045 ppm	0.2740 ppm
Concentration per Run 1	-0.0003 ppm	4.1303 ppm	0.0479 ppm	0.0838 ppm	3.6601 ppm	0.0018 ppm	0.2757 ppm
Concentration per Run 2	-0.0031 ppm	4.0638 ppm	0.0476 ppm	0.0844 ppm	3.6305 ppm	0.0028 ppm	0.2711 ppm
Concentration per Run 3	-0.0010 ppm	4.1123 ppm	0.0460 ppm	0.0840 ppm	3.6304 ppm	0.0087 ppm	0.2751 ppm
Concentration RSD	96.1 %	0.8 %	2.2 %	0.4 %	0.5 %	84.1 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5772 ppm	106.8055 %	110.4638 %	103.0047 %	121.8611 %	126.2671 %	121.6923 %
Concentration per Run 1	0.5820 ppm	104.8812 %	109.5226 %	103.5574 %	119.1362 %	125.1879 %	121.9833 %
Concentration per Run 2	0.5710 ppm	108.7727 %	110.8427 %	101.5860 %	124.0135 %	127.2995 %	119.9192 %
Concentration per Run 3	0.5786 ppm	106.7624 %	111.0262 %	103.8708 %	122.4337 %	126.3140 %	123.1746 %
Concentration RSD	1.0 %	1.8 %	0.7 %	1.2 %	2.0 %	0.8 %	1.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556210-04d2 WG2114201
 Analysis started at: 9/17/2025 11:06:45 PM
 Rack: 3
 Vial: 10
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	52.7113 ppm	0.0265 ppm	0.0300 ppm	0.2929 ppm	0.0017 ppm	789.5915 ppm
Concentration per Run 1	0.0001 ppm	52.8002 ppm	0.0255 ppm	0.0304 ppm	0.2941 ppm	0.0017 ppm	790.5954 ppm
Concentration per Run 2	0.0003 ppm	52.8738 ppm	0.0291 ppm	0.0290 ppm	0.2939 ppm	0.0016 ppm	795.4636 ppm
Concentration per Run 3	0.0008 ppm	52.4599 ppm	0.0248 ppm	0.0307 ppm	0.2906 ppm	0.0017 ppm	782.7154 ppm
Concentration RSD	84.6 %	0.4 %	8.6 %	3.1 %	0.7 %	1.8 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0043 ppm	0.0259 ppm	0.1656 ppm	0.1068 ppm	82.1521 ppm	9.5807 ppm	0.0311 ppm
Concentration per Run 1	-0.0045 ppm	0.0266 ppm	0.1671 ppm	0.1073 ppm	82.4090 ppm	9.6467 ppm	0.0334 ppm
Concentration per Run 2	-0.0043 ppm	0.0254 ppm	0.1639 ppm	0.1065 ppm	82.2117 ppm	9.5865 ppm	0.0302 ppm
Concentration per Run 3	-0.0041 ppm	0.0259 ppm	0.1658 ppm	0.1067 ppm	81.8356 ppm	9.5088 ppm	0.0298 ppm
Concentration RSD	4.3 %	2.3 %	1.0 %	0.4 %	0.4 %	0.7 %	6.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	27.6587 ppm	1.9051 ppm	0.0038 ppm	1.7247 ppm	0.0726 ppm	0.1400 ppm	-0.0074 ppm
Concentration per Run 1	27.8740 ppm	1.9095 ppm	0.0033 ppm	1.7213 ppm	0.0735 ppm	0.1366 ppm	-0.0110 ppm
Concentration per Run 2	27.6509 ppm	1.9105 ppm	0.0046 ppm	1.7433 ppm	0.0713 ppm	0.1407 ppm	-0.0085 ppm
Concentration per Run 3	27.4512 ppm	1.8952 ppm	0.0034 ppm	1.7095 ppm	0.0728 ppm	0.1426 ppm	-0.0027 ppm
Concentration RSD	0.8 %	0.4 %	18.4 %	1.0 %	1.5 %	2.2 %	57.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0010 ppm	5.0064 ppm	0.0141 ppm	1.2225 ppm	2.8764 ppm	0.0019 ppm	0.1297 ppm
Concentration per Run 1	0.0009 ppm	5.0305 ppm	0.0146 ppm	1.2250 ppm	2.8935 ppm	-0.0003 ppm	0.1308 ppm
Concentration per Run 2	-0.0048 ppm	5.0069 ppm	0.0148 ppm	1.2270 ppm	2.8750 ppm	0.0056 ppm	0.1292 ppm
Concentration per Run 3	0.0010 ppm	4.9819 ppm	0.0130 ppm	1.2155 ppm	2.8607 ppm	0.0005 ppm	0.1292 ppm
Concentration RSD	336.3 %	0.5 %	7.0 %	0.5 %	0.6 %	163.4 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2488 ppm	103.6830 %	103.9051 %	97.2943 %	109.1981 %	109.1688 %	105.2813 %
Concentration per Run 1	0.2504 ppm	103.2189 %	104.0668 %	97.8092 %	108.6430 %	109.4097 %	105.2223 %
Concentration per Run 2	0.2480 ppm	103.8239 %	103.4624 %	97.5929 %	109.3964 %	108.7883 %	105.6946 %
Concentration per Run 3	0.2480 ppm	104.0063 %	104.1860 %	96.4809 %	109.5550 %	109.3084 %	104.9269 %
Concentration RSD	0.6 %	0.4 %	0.4 %	0.7 %	0.4 %	0.3 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556210-05d2 WG2114201
 Analysis started at: 9/17/2025 11:10:01 PM
 Rack: 3
 Vial: 11
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	61.5473 ppm	0.0586 ppm	0.0129 ppm	0.4199 ppm	0.0027 ppm	18.0919 ppm
Concentration per Run 1	0.0000 ppm	61.6673 ppm	0.0586 ppm	0.0125 ppm	0.4191 ppm	0.0027 ppm	18.0658 ppm
Concentration per Run 2	0.0007 ppm	61.4155 ppm	0.0604 ppm	0.0137 ppm	0.4212 ppm	0.0027 ppm	18.1124 ppm
Concentration per Run 3	0.0009 ppm	61.5591 ppm	0.0567 ppm	0.0124 ppm	0.4195 ppm	0.0027 ppm	18.0976 ppm
Concentration RSD	90.3 %	0.2 %	3.1 %	5.5 %	0.3 %	1.2 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0594 ppm	0.1709 ppm	0.2838 ppm	246.0865 ppm	7.1040 ppm	0.0545 ppm
Concentration per Run 1	0.0001 ppm	0.0597 ppm	0.1721 ppm	0.2843 ppm	247.5611 ppm	7.1324 ppm	0.0544 ppm
Concentration per Run 2	-0.0005 ppm	0.0592 ppm	0.1690 ppm	0.2844 ppm	245.0582 ppm	7.0817 ppm	0.0542 ppm
Concentration per Run 3	0.0000 ppm	0.0592 ppm	0.1716 ppm	0.2827 ppm	245.6404 ppm	7.0978 ppm	0.0550 ppm
Concentration RSD	180.1 %	0.5 %	1.0 %	0.3 %	0.5 %	0.4 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	19.3064 ppm	3.9090 ppm	0.0018 ppm	0.8103 ppm	0.1238 ppm	0.3553 ppm	-0.0156 ppm
Concentration per Run 1	19.4464 ppm	3.9049 ppm	0.0011 ppm	0.8105 ppm	0.1245 ppm	0.3572 ppm	-0.0118 ppm
Concentration per Run 2	19.1570 ppm	3.9080 ppm	0.0019 ppm	0.8177 ppm	0.1217 ppm	0.3527 ppm	-0.0167 ppm
Concentration per Run 3	19.3159 ppm	3.9140 ppm	0.0023 ppm	0.8027 ppm	0.1252 ppm	0.3560 ppm	-0.0184 ppm
Concentration RSD	0.8 %	0.1 %	36.1 %	0.9 %	1.5 %	0.6 %	21.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0041 ppm	4.9426 ppm	0.0434 ppm	0.0734 ppm	2.9347 ppm	0.0034 ppm	0.2261 ppm
Concentration per Run 1	-0.0051 ppm	4.9638 ppm	0.0437 ppm	0.0741 ppm	2.9525 ppm	0.0028 ppm	0.2280 ppm
Concentration per Run 2	0.0028 ppm	4.8946 ppm	0.0446 ppm	0.0733 ppm	2.9077 ppm	0.0027 ppm	0.2247 ppm
Concentration per Run 3	-0.0099 ppm	4.9694 ppm	0.0419 ppm	0.0729 ppm	2.9441 ppm	0.0045 ppm	0.2257 ppm
Concentration RSD	158.4 %	0.8 %	3.2 %	0.8 %	0.8 %	30.2 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4534 ppm	105.9119 %	109.1077 %	101.8222 %	118.2029 %	120.4683 %	116.4315 %
Concentration per Run 1	0.4594 ppm	105.0362 %	109.1980 %	101.9321 %	117.3678 %	120.8356 %	115.7650 %
Concentration per Run 2	0.4473 ppm	107.1925 %	108.8880 %	102.6914 %	120.3189 %	120.4717 %	117.6299 %
Concentration per Run 3	0.4533 ppm	105.5068 %	109.2370 %	100.8430 %	116.9222 %	120.0975 %	115.8995 %
Concentration RSD	1.3 %	1.1 %	0.2 %	0.9 %	1.6 %	0.3 %	0.9 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556210-06d2 WG2114201
 Analysis started at: 9/17/2025 11:13:17 PM
 Rack: 3
 Vial: 12
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0010 ppm	77.5545 ppm	0.0599 ppm	0.0120 ppm	0.4290 ppm	0.0030 ppm	15.4265 ppm
Concentration per Run 1	-0.0008 ppm	77.8404 ppm	0.0615 ppm	0.0084 ppm	0.4296 ppm	0.0030 ppm	15.5622 ppm
Concentration per Run 2	-0.0009 ppm	77.0958 ppm	0.0613 ppm	0.0129 ppm	0.4273 ppm	0.0030 ppm	15.2750 ppm
Concentration per Run 3	-0.0012 ppm	77.7272 ppm	0.0568 ppm	0.0147 ppm	0.4300 ppm	0.0030 ppm	15.4423 ppm
Concentration RSD	24.0 %	0.5 %	4.4 %	27.1 %	0.3 %	0.8 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0010 ppm	0.0902 ppm	0.1991 ppm	0.2464 ppm	287.7259 ppm	9.0779 ppm	0.0543 ppm
Concentration per Run 1	-0.0012 ppm	0.0905 ppm	0.2006 ppm	0.2469 ppm	287.2264 ppm	9.0948 ppm	0.0553 ppm
Concentration per Run 2	-0.0011 ppm	0.0898 ppm	0.1987 ppm	0.2442 ppm	287.2692 ppm	9.0517 ppm	0.0546 ppm
Concentration per Run 3	-0.0007 ppm	0.0902 ppm	0.1981 ppm	0.2481 ppm	288.6820 ppm	9.0874 ppm	0.0530 ppm
Concentration RSD	25.3 %	0.4 %	0.7 %	0.8 %	0.3 %	0.3 %	2.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	18.9756 ppm	5.1756 ppm	0.0016 ppm	0.6421 ppm	0.1634 ppm	0.2740 ppm	-0.0177 ppm
Concentration per Run 1	19.0988 ppm	5.2078 ppm	0.0018 ppm	0.6452 ppm	0.1672 ppm	0.2723 ppm	-0.0243 ppm
Concentration per Run 2	18.8995 ppm	5.1285 ppm	0.0011 ppm	0.6423 ppm	0.1617 ppm	0.2764 ppm	-0.0118 ppm
Concentration per Run 3	18.9286 ppm	5.1905 ppm	0.0020 ppm	0.6387 ppm	0.1614 ppm	0.2735 ppm	-0.0169 ppm
Concentration RSD	0.6 %	0.8 %	29.7 %	0.5 %	2.0 %	0.8 %	35.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0051 ppm	3.7969 ppm	0.2997 ppm	0.0843 ppm	3.6914 ppm	0.0027 ppm	0.2943 ppm
Concentration per Run 1	-0.0027 ppm	3.8309 ppm	0.3015 ppm	0.0842 ppm	3.7187 ppm	0.0094 ppm	0.2943 ppm
Concentration per Run 2	-0.0074 ppm	3.7677 ppm	0.2991 ppm	0.0842 ppm	3.6637 ppm	-0.0013 ppm	0.2937 ppm
Concentration per Run 3	-0.0050 ppm	3.7920 ppm	0.2986 ppm	0.0845 ppm	3.6919 ppm	-0.0001 ppm	0.2948 ppm
Concentration RSD	47.0 %	0.8 %	0.5 %	0.2 %	0.7 %	219.1 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3569 ppm	106.4992 %	111.4156 %	102.5182 %	118.2856 %	121.7558 %	117.0487 %
Concentration per Run 1	0.3603 ppm	105.4259 %	111.1662 %	101.9747 %	117.1256 %	121.8348 %	116.3238 %
Concentration per Run 2	0.3532 ppm	107.5128 %	111.6523 %	103.2970 %	119.6634 %	121.5928 %	117.7221 %
Concentration per Run 3	0.3571 ppm	106.5588 %	111.4283 %	102.2829 %	118.0678 %	121.8399 %	117.1001 %
Concentration RSD	1.0 %	1.0 %	0.2 %	0.7 %	1.1 %	0.1 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556210-07d2 WG2114201
 Analysis started at: 9/17/2025 11:16:33 PM
 Rack: 3
 Vial: 13
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	61.6460 ppm	0.0743 ppm	0.0078 ppm	0.4020 ppm	0.0034 ppm	25.8737 ppm
Concentration per Run 1	0.0015 ppm	61.6685 ppm	0.0744 ppm	0.0068 ppm	0.4016 ppm	0.0034 ppm	25.8461 ppm
Concentration per Run 2	0.0005 ppm	61.4699 ppm	0.0752 ppm	0.0069 ppm	0.3995 ppm	0.0034 ppm	25.8343 ppm
Concentration per Run 3	0.0006 ppm	61.7996 ppm	0.0732 ppm	0.0098 ppm	0.4049 ppm	0.0033 ppm	25.9406 ppm
Concentration RSD	64.9 %	0.3 %	1.4 %	22.0 %	0.7 %	1.0 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0004 ppm	0.0653 ppm	0.1828 ppm	0.2738 ppm	269.5165 ppm	7.3546 ppm	0.0546 ppm
Concentration per Run 1	-0.0002 ppm	0.0660 ppm	0.1824 ppm	0.2748 ppm	270.0170 ppm	7.3366 ppm	0.0544 ppm
Concentration per Run 2	-0.0007 ppm	0.0657 ppm	0.1826 ppm	0.2712 ppm	268.5601 ppm	7.3635 ppm	0.0540 ppm
Concentration per Run 3	-0.0004 ppm	0.0642 ppm	0.1834 ppm	0.2753 ppm	269.9723 ppm	7.3636 ppm	0.0553 ppm
Concentration RSD	56.9 %	1.5 %	0.3 %	0.8 %	0.3 %	0.2 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	26.0942 ppm	4.2142 ppm	0.0015 ppm	0.7270 ppm	0.1362 ppm	0.3296 ppm	-0.0119 ppm
Concentration per Run 1	26.0557 ppm	4.2204 ppm	0.0017 ppm	0.7322 ppm	0.1352 ppm	0.3266 ppm	-0.0073 ppm
Concentration per Run 2	26.0391 ppm	4.2060 ppm	0.0009 ppm	0.7225 ppm	0.1355 ppm	0.3318 ppm	-0.0123 ppm
Concentration per Run 3	26.1879 ppm	4.2163 ppm	0.0020 ppm	0.7264 ppm	0.1379 ppm	0.3305 ppm	-0.0162 ppm
Concentration RSD	0.3 %	0.2 %	37.6 %	0.7 %	1.1 %	0.8 %	37.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0018 ppm	5.0453 ppm	0.0494 ppm	0.0668 ppm	3.1427 ppm	0.0020 ppm	0.2735 ppm
Concentration per Run 1	-0.0001 ppm	5.0756 ppm	0.0500 ppm	0.0670 ppm	3.1391 ppm	0.0036 ppm	0.2742 ppm
Concentration per Run 2	-0.0017 ppm	5.0180 ppm	0.0490 ppm	0.0665 ppm	3.1365 ppm	0.0047 ppm	0.2725 ppm
Concentration per Run 3	-0.0035 ppm	5.0424 ppm	0.0493 ppm	0.0670 ppm	3.1524 ppm	-0.0025 ppm	0.2738 ppm
Concentration RSD	94.5 %	0.6 %	1.0 %	0.4 %	0.3 %	197.1 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5314 ppm	107.2404 %	110.8823 %	101.8188 %	119.7668 %	122.6789 %	116.3921 %
Concentration per Run 1	0.5304 ppm	107.9094 %	111.4348 %	102.2890 %	120.7548 %	123.0742 %	116.5739 %
Concentration per Run 2	0.5300 ppm	107.0046 %	110.6157 %	101.1172 %	119.2641 %	122.3343 %	115.8699 %
Concentration per Run 3	0.5338 ppm	106.8072 %	110.5965 %	102.0501 %	119.2816 %	122.6283 %	116.7326 %
Concentration RSD	0.4 %	0.5 %	0.4 %	0.6 %	0.7 %	0.3 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556210-08d2 WG2114201
 Analysis started at: 9/17/2025 11:19:49 PM
 Rack: 3
 Vial: 14
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	67.7690 ppm	0.0630 ppm	0.0126 ppm	1.0220 ppm	0.0032 ppm	46.8038 ppm
Concentration per Run 1	0.0021 ppm	67.5685 ppm	0.0615 ppm	0.0131 ppm	1.0232 ppm	0.0032 ppm	46.8726 ppm
Concentration per Run 2	-0.0004 ppm	67.6788 ppm	0.0631 ppm	0.0134 ppm	1.0172 ppm	0.0032 ppm	46.7405 ppm
Concentration per Run 3	0.0010 ppm	68.0597 ppm	0.0645 ppm	0.0112 ppm	1.0256 ppm	0.0032 ppm	46.7983 ppm
Concentration RSD	142.7 %	0.4 %	2.3 %	9.5 %	0.4 %	1.0 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0086 ppm	0.0709 ppm	0.2479 ppm	0.5938 ppm	233.7861 ppm	10.3990 ppm	0.0702 ppm
Concentration per Run 1	0.0085 ppm	0.0699 ppm	0.2458 ppm	0.5951 ppm	234.8882 ppm	10.4429 ppm	0.0698 ppm
Concentration per Run 2	0.0088 ppm	0.0709 ppm	0.2485 ppm	0.5952 ppm	232.4531 ppm	10.3690 ppm	0.0703 ppm
Concentration per Run 3	0.0084 ppm	0.0718 ppm	0.2496 ppm	0.5910 ppm	234.0171 ppm	10.3852 ppm	0.0704 ppm
Concentration RSD	2.6 %	1.3 %	0.8 %	0.4 %	0.5 %	0.4 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	23.5660 ppm	4.3478 ppm	0.0219 ppm	1.4661 ppm	0.1507 ppm	2.5376 ppm	-0.0061 ppm
Concentration per Run 1	23.5745 ppm	4.3499 ppm	0.0210 ppm	1.4741 ppm	0.1470 ppm	2.5620 ppm	-0.0024 ppm
Concentration per Run 2	23.6184 ppm	4.3310 ppm	0.0219 ppm	1.4648 ppm	0.1533 ppm	2.5378 ppm	-0.0032 ppm
Concentration per Run 3	23.5051 ppm	4.3626 ppm	0.0227 ppm	1.4595 ppm	0.1517 ppm	2.5130 ppm	-0.0128 ppm
Concentration RSD	0.2 %	0.4 %	3.9 %	0.5 %	2.2 %	1.0 %	94.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0060 ppm	6.4483 ppm	1.3030 [SIC 20]	0.2240 ppm	3.4889 ppm	0.0039 ppm	0.3145 ppm
Concentration per Run 1	-0.0053 ppm	6.4441 ppm	1.2961 ppm	0.2243 ppm	3.4970 ppm	0.0053 ppm	0.3141 ppm
Concentration per Run 2	-0.0048 ppm	6.4827 ppm	1.3116 ppm	0.2236 ppm	3.4860 ppm	0.0050 ppm	0.3146 ppm
Concentration per Run 3	-0.0079 ppm	6.4179 ppm	1.3013 ppm	0.2242 ppm	3.4836 ppm	0.0014 ppm	0.3147 ppm
Concentration RSD	27.6 %	0.5 %	0.6 %	0.2 %	0.2 %	56.3 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	2.1037 ppm	106.8262 %	109.6062 %	103.2602 %	120.5572 %	123.1341 %	119.1627 %
Concentration per Run 1	2.0868 ppm	107.6910 %	109.2864 %	103.7683 %	121.6081 %	122.7239 %	120.0289 %
Concentration per Run 2	2.1187 ppm	106.5924 %	110.0555 %	103.1732 %	120.5781 %	123.7487 %	118.8340 %
Concentration per Run 3	2.1056 ppm	106.1952 %	109.4767 %	102.8389 %	119.4853 %	122.9295 %	118.6252 %
Concentration RSD	0.8 %	0.7 %	0.4 %	0.5 %	0.9 %	0.4 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556210-09d2 WG2114201
 Analysis started at: 9/17/2025 11:23:06 PM
 Rack: 3
 Vial: 15
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	44.7544 ppm	0.0374 ppm	0.0159 ppm	0.3196 ppm	0.0025 ppm	17.2403 ppm
Concentration per Run 1	0.0020 ppm	44.6882 ppm	0.0391 ppm	0.0151 ppm	0.3185 ppm	0.0025 ppm	17.2179 ppm
Concentration per Run 2	0.0010 ppm	44.8361 ppm	0.0375 ppm	0.0162 ppm	0.3201 ppm	0.0025 ppm	17.2849 ppm
Concentration per Run 3	0.0011 ppm	44.7388 ppm	0.0356 ppm	0.0164 ppm	0.3202 ppm	0.0025 ppm	17.2180 ppm
Concentration RSD	38.3 %	0.2 %	4.7 %	4.4 %	0.3 %	0.4 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0391 ppm	0.1217 ppm	0.2093 ppm	189.9501 ppm	5.9075 ppm	0.0396 ppm
Concentration per Run 1	0.0001 ppm	0.0403 ppm	0.1214 ppm	0.2090 ppm	188.6301 ppm	5.8758 ppm	0.0392 ppm
Concentration per Run 2	-0.0002 ppm	0.0396 ppm	0.1216 ppm	0.2095 ppm	191.3273 ppm	5.9361 ppm	0.0387 ppm
Concentration per Run 3	-0.0001 ppm	0.0374 ppm	0.1219 ppm	0.2094 ppm	189.8930 ppm	5.9106 ppm	0.0407 ppm
Concentration RSD	201.8 %	3.9 %	0.2 %	0.1 %	0.7 %	0.5 %	2.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	16.1754 ppm	3.0593 ppm	0.0025 ppm	0.4814 ppm	0.0893 ppm	0.3779 ppm	-0.0103 ppm
Concentration per Run 1	16.2344 ppm	3.0478 ppm	0.0017 ppm	0.4812 ppm	0.0907 ppm	0.3802 ppm	-0.0054 ppm
Concentration per Run 2	16.1608 ppm	3.0690 ppm	0.0028 ppm	0.4802 ppm	0.0893 ppm	0.3729 ppm	-0.0141 ppm
Concentration per Run 3	16.1310 ppm	3.0610 ppm	0.0029 ppm	0.4828 ppm	0.0879 ppm	0.3805 ppm	-0.0113 ppm
Concentration RSD	0.3 %	0.3 %	26.4 %	0.3 %	1.6 %	1.1 %	43.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0008 ppm	3.4241 ppm	0.0236 ppm	0.0452 ppm	2.1906 ppm	-0.0003 ppm	0.1836 ppm
Concentration per Run 1	-0.0027 ppm	3.4159 ppm	0.0253 ppm	0.0451 ppm	2.1902 ppm	-0.0048 ppm	0.1836 ppm
Concentration per Run 2	-0.0009 ppm	3.4372 ppm	0.0235 ppm	0.0452 ppm	2.1944 ppm	0.0020 ppm	0.1835 ppm
Concentration per Run 3	0.0011 ppm	3.4193 ppm	0.0218 ppm	0.0454 ppm	2.1871 ppm	0.0019 ppm	0.1836 ppm
Concentration RSD	226.5 %	0.3 %	7.5 %	0.3 %	0.2 %	1,310.8 %	0.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4242 ppm	105.5777 %	109.8748 %	101.8245 %	114.6457 %	118.0798 %	113.7567 %
Concentration per Run 1	0.4246 ppm	105.1711 %	110.0102 %	102.3380 %	114.1208 %	118.6889 %	114.5418 %
Concentration per Run 2	0.4252 ppm	105.7014 %	109.9281 %	102.4008 %	114.5225 %	117.4583 %	114.1258 %
Concentration per Run 3	0.4226 ppm	105.8607 %	109.6860 %	100.7347 %	115.2936 %	118.0922 %	112.6026 %
Concentration RSD	0.3 %	0.3 %	0.2 %	0.9 %	0.5 %	0.5 %	0.9 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556210-10d2 WG2114201
 Analysis started at: 9/17/2025 11:26:23 PM
 Rack: 3
 Vial: 16
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	55.1673 ppm	0.0116 ppm	0.0068 ppm	0.3873 ppm	0.0021 ppm	13.1196 ppm
Concentration per Run 1	0.0007 ppm	54.9046 ppm	0.0138 ppm	0.0069 ppm	0.3838 ppm	0.0021 ppm	13.0787 ppm
Concentration per Run 2	0.0011 ppm	55.5565 ppm	0.0107 ppm	0.0061 ppm	0.3905 ppm	0.0022 ppm	13.2248 ppm
Concentration per Run 3	0.0013 ppm	55.0409 ppm	0.0103 ppm	0.0075 ppm	0.3877 ppm	0.0021 ppm	13.0551 ppm
Concentration RSD	29.2 %	0.6 %	16.5 %	10.5 %	0.9 %	2.1 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0006 ppm	0.0638 ppm	0.1594 ppm	0.1685 ppm	140.6603 ppm	16.5088 ppm	0.0514 ppm
Concentration per Run 1	-0.0006 ppm	0.0635 ppm	0.1603 ppm	0.1682 ppm	139.6478 ppm	16.3815 ppm	0.0509 ppm
Concentration per Run 2	-0.0007 ppm	0.0645 ppm	0.1591 ppm	0.1684 ppm	142.1083 ppm	16.6960 ppm	0.0527 ppm
Concentration per Run 3	-0.0004 ppm	0.0634 ppm	0.1586 ppm	0.1690 ppm	140.2248 ppm	16.4490 ppm	0.0506 ppm
Concentration RSD	26.1 %	1.0 %	0.6 %	0.2 %	0.9 %	1.0 %	2.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	22.7117 ppm	3.6447 ppm	0.0007 ppm	0.8623 ppm	0.1359 ppm	0.0270 ppm	-0.0127 ppm
Concentration per Run 1	22.8104 ppm	3.6356 ppm	0.0002 ppm	0.8616 ppm	0.1355 ppm	0.0261 ppm	-0.0143 ppm
Concentration per Run 2	22.6952 ppm	3.6781 ppm	0.0019 ppm	0.8712 ppm	0.1357 ppm	0.0283 ppm	-0.0058 ppm
Concentration per Run 3	22.6296 ppm	3.6202 ppm	0.0001 ppm	0.8541 ppm	0.1366 ppm	0.0265 ppm	-0.0179 ppm
Concentration RSD	0.4 %	0.8 %	139.3 %	1.0 %	0.4 %	4.4 %	48.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0031 ppm	3.4573 ppm	0.0076 ppm	0.0541 ppm	4.2470 ppm	0.0002 ppm	0.2075 ppm
Concentration per Run 1	-0.0071 ppm	3.4728 ppm	0.0084 ppm	0.0536 ppm	4.2677 ppm	-0.0023 ppm	0.2077 ppm
Concentration per Run 2	0.0026 ppm	3.4570 ppm	0.0078 ppm	0.0549 ppm	4.2498 ppm	0.0033 ppm	0.2077 ppm
Concentration per Run 3	-0.0048 ppm	3.4420 ppm	0.0066 ppm	0.0539 ppm	4.2233 ppm	-0.0005 ppm	0.2071 ppm
Concentration RSD	163.1 %	0.4 %	12.3 %	1.3 %	0.5 %	1,698.1 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2481 ppm	107.5326 %	111.9721 %	104.1464 %	119.8323 %	122.8613 %	117.7262 %
Concentration per Run 1	0.2495 ppm	107.5612 %	112.9789 %	104.1872 %	119.6652 %	123.7209 %	118.0531 %
Concentration per Run 2	0.2480 ppm	107.0697 %	110.0633 %	104.0793 %	119.7483 %	121.1160 %	117.9339 %
Concentration per Run 3	0.2466 ppm	107.9667 %	112.8741 %	104.1728 %	120.0834 %	123.7468 %	117.1917 %
Concentration RSD	0.6 %	0.4 %	1.5 %	0.1 %	0.2 %	1.2 %	0.4 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
Analysis started at: 9/17/2025 11:29:40 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4861 ppm	0.5031 ppm	0.4975 ppm	0.4911 ppm	0.4971 ppm	0.5122 ppm	0.4896 ppm
Concentration per Run 1	0.4849 ppm	0.5049 ppm	0.4930 ppm	0.4903 ppm	0.5036 ppm	0.5194 ppm	0.4964 ppm
Concentration per Run 2	0.4853 ppm	0.5027 ppm	0.4991 ppm	0.4915 ppm	0.4900 ppm	0.5043 ppm	0.4803 ppm
Concentration per Run 3	0.4880 ppm	0.5017 ppm	0.5004 ppm	0.4914 ppm	0.4978 ppm	0.5129 ppm	0.4920 ppm
Recovery Percentage 1	97.212 %	100.621 %	99.500 %	98.211 %	99.424 %	102.444 %	97.911 %
Concentration RSD	0.4 %	0.3 %	0.8 %	0.1 %	1.4 %	1.5 %	1.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4995 ppm	0.5055 ppm	0.5009 ppm	0.4960 ppm	0.5144 ppm	5.1792 ppm	0.5169 ppm
Concentration per Run 1	0.4995 ppm	0.5046 ppm	0.5020 ppm	0.4988 ppm	0.5217 ppm	5.2201 ppm	0.5249 ppm
Concentration per Run 2	0.4974 ppm	0.5050 ppm	0.4985 ppm	0.4964 ppm	0.5099 ppm	5.1362 ppm	0.5100 ppm
Concentration per Run 3	0.5018 ppm	0.5068 ppm	0.5021 ppm	0.4927 ppm	0.5117 ppm	5.1814 ppm	0.5157 ppm
Recovery Percentage 1	99.909 %	101.101 %	100.178 %	99.198 %	102.882 %	103.585 %	103.377 %
Concentration RSD	0.4 %	0.2 %	0.4 %	0.6 %	1.2 %	0.8 %	1.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4748 ppm	0.5003 ppm	0.4913 ppm	10.1923 ppm	0.5010 ppm	0.5131 ppm	0.5037 ppm
Concentration per Run 1	0.4778 ppm	0.5056 ppm	0.4917 ppm	10.2695 ppm	0.4953 ppm	0.5120 ppm	0.4964 ppm
Concentration per Run 2	0.4692 ppm	0.4954 ppm	0.4881 ppm	10.0306 ppm	0.5009 ppm	0.5159 ppm	0.5112 ppm
Concentration per Run 3	0.4774 ppm	0.4999 ppm	0.4940 ppm	10.2766 ppm	0.5067 ppm	0.5114 ppm	0.5034 ppm
Recovery Percentage 1	94.958 %	100.065 %	98.252 %	101.923 %	100.191 %	102.618 %	100.730 %
Concentration RSD	1.0 %	1.0 %	0.6 %	1.4 %	1.1 %	0.5 %	1.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4962 ppm	5.3965 ppm	0.4963 ppm	0.5032 ppm	0.4957 ppm	0.5014 ppm	0.5052 ppm
Concentration per Run 1	0.4939 ppm	5.3832 ppm	0.4967 ppm	0.5121 ppm	0.4964 ppm	0.4935 ppm	0.5068 ppm
Concentration per Run 2	0.4984 ppm	5.3897 ppm	0.4971 ppm	0.4959 ppm	0.4926 ppm	0.5069 ppm	0.5045 ppm
Concentration per Run 3	0.4962 ppm	5.4166 ppm	0.4949 ppm	0.5016 ppm	0.4980 ppm	0.5037 ppm	0.5043 ppm
Recovery Percentage 1	99.233 %	102.791 %	99.251 %	100.636 %	99.131 %	100.278 %	101.041 %
Concentration RSD	0.4 %	0.3 %	0.2 %	1.6 %	0.6 %	1.4 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5005 ppm	103.6282 %	106.5566 %	101.5845 %	103.1470 %	104.0772 %	101.3561 %
Concentration per Run 1	0.4991 ppm	103.8727 %	105.7704 %	102.7406 %	103.8850 %	103.8322 %	102.1383 %
Concentration per Run 2	0.5019 ppm	104.1768 %	107.3692 %	100.4380 %	103.5743 %	104.8876 %	100.3775 %
Concentration per Run 3	0.5005 ppm	102.8351 %	106.5302 %	101.5748 %	101.9817 %	103.5118 %	101.5526 %
Recovery Percentage 1	100.100 %						
Concentration RSD	0.3 %	0.7 %	0.8 %	1.1 %	1.0 %	0.7 %	0.9 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 11:32:55 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0012 ppm	0.0106 ppm	0.0011 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 1	0.0013 ppm	0.0139 ppm	0.0007 ppm	-0.0012 ppm	0.0002 ppm	0.0001 ppm	0.0011 ppm
Concentration per Run 2	0.0011 ppm	0.0144 ppm	0.0023 ppm	0.0022 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 3	0.0012 ppm	0.0036 ppm	0.0003 ppm	-0.0013 ppm	0.0001 ppm	0.0000 ppm	-0.0030 ppm
Recovery Percentage 1	16.726 %	10.648 %	21.896 %	-0.440 %	1.329 %	0.839 %	-0.575 %
Concentration RSD	7.9 %	57.1 %	95.1 %	1,501.7 %	34.2 %	83.1 %	375.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0009 ppm	0.0018 ppm	0.0465 ppm	-0.0004 ppm
Concentration per Run 1	0.0002 ppm	-0.0005 ppm	-0.0009 ppm	0.0019 ppm	0.0015 ppm	0.0300 ppm	0.0001 ppm
Concentration per Run 2	-0.0002 ppm	0.0012 ppm	-0.0001 ppm	-0.0005 ppm	0.0011 ppm	0.0619 ppm	-0.0005 ppm
Concentration per Run 3	0.0000 ppm	-0.0012 ppm	0.0010 ppm	0.0013 ppm	0.0029 ppm	0.0475 ppm	-0.0009 ppm
Recovery Percentage 1	-0.148 %	-0.888 %	0.151 %	9.031 %	3.632 %	1.860 %	-8.911 %
Concentration RSD	3,025.8 %	708.0 %	6,073.2 %	139.2 %	51.2 %	34.4 %	118.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0073 ppm	0.0003 ppm	0.0014 ppm	-0.0067 ppm	0.0000 ppm	0.0005 ppm	-0.0063 ppm
Concentration per Run 1	-0.0137 ppm	0.0005 ppm	0.0020 ppm	-0.0045 ppm	0.0006 ppm	-0.0013 ppm	-0.0045 ppm
Concentration per Run 2	-0.0038 ppm	0.0004 ppm	0.0019 ppm	-0.0069 ppm	0.0002 ppm	0.0019 ppm	-0.0064 ppm
Concentration per Run 3	-0.0045 ppm	0.0002 ppm	0.0003 ppm	-0.0087 ppm	-0.0008 ppm	0.0009 ppm	-0.0079 ppm
Recovery Percentage 1	-7.307 %	3.447 %	2.850 %	-0.336 %	-0.030 %	4.945 %	-12.559 %
Concentration RSD	75.5 %	39.7 %	66.7 %	31.3 %	9,692.6 %	337.5 %	27.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0016 ppm	-0.0003 ppm	0.0024 ppm	0.0001 ppm	-0.0006 ppm	0.0003 ppm	-0.0007 ppm
Concentration per Run 1	0.0028 ppm	0.0000 ppm	0.0013 ppm	0.0001 ppm	-0.0002 ppm	0.0024 ppm	-0.0010 ppm
Concentration per Run 2	0.0007 ppm	0.0009 ppm	0.0049 ppm	0.0000 ppm	-0.0005 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run 3	0.0013 ppm	-0.0017 ppm	0.0008 ppm	0.0001 ppm	-0.0012 ppm	-0.0020 ppm	-0.0010 ppm
Recovery Percentage 1	16.158 %	-0.054 %	4.718 %	0.849 %	-6.424 %	1.560 %	-7.143 %
Concentration RSD	66.1 %	488.6 %	93.7 %	64.5 %	82.8 %	708.3 %	69.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	100.1756 %	104.5138 %	99.0520 %	101.1956 %	103.8003 %	99.6469 %
Concentration per Run 1	0.0005 ppm	102.5545 %	104.6270 %	98.5775 %	102.0963 %	103.5058 %	98.9866 %
Concentration per Run 2	0.0006 ppm	97.3965 %	104.5559 %	99.7286 %	99.4852 %	103.9067 %	100.0181 %
Concentration per Run 3	0.0003 ppm	100.5757 %	104.3584 %	98.8501 %	102.0052 %	103.9883 %	99.9361 %
Recovery Percentage 1	9.495 %						
Concentration RSD	25.4 %	2.6 %	0.1 %	0.6 %	1.5 %	0.2 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556282-01d2 WG2114201
 Analysis started at: 9/17/2025 11:36:11 PM
 Rack: 3
 Vial: 17
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	43.9632 ppm	0.0161 ppm	0.0167 ppm	0.2335 ppm	0.0030 ppm	31.1166 ppm
Concentration per Run 1	-0.0005 ppm	44.0042 ppm	0.0126 ppm	0.0154 ppm	0.2337 ppm	0.0030 ppm	31.2087 ppm
Concentration per Run 2	0.0004 ppm	44.2299 ppm	0.0149 ppm	0.0171 ppm	0.2344 ppm	0.0030 ppm	31.2758 ppm
Concentration per Run 3	-0.0002 ppm	43.6554 ppm	0.0207 ppm	0.0176 ppm	0.2324 ppm	0.0029 ppm	30.8653 ppm
Concentration RSD	436.2 %	0.7 %	26.1 %	6.8 %	0.4 %	1.9 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0005 ppm	0.0365 ppm	0.0891 ppm	0.0728 ppm	89.8801 ppm	5.2890 ppm	0.0501 ppm
Concentration per Run 1	-0.0004 ppm	0.0369 ppm	0.0894 ppm	0.0726 ppm	89.9743 ppm	5.3055 ppm	0.0518 ppm
Concentration per Run 2	-0.0005 ppm	0.0371 ppm	0.0891 ppm	0.0731 ppm	90.4622 ppm	5.2969 ppm	0.0498 ppm
Concentration per Run 3	-0.0005 ppm	0.0354 ppm	0.0890 ppm	0.0727 ppm	89.2038 ppm	5.2645 ppm	0.0487 ppm
Concentration RSD	17.4 %	2.5 %	0.3 %	0.4 %	0.7 %	0.4 %	3.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	24.7525 ppm	1.6701 ppm	0.0058 ppm	4.7700 ppm	0.0604 ppm	0.1881 ppm	-0.0032 ppm
Concentration per Run 1	24.6839 ppm	1.6697 ppm	0.0058 ppm	4.7635 ppm	0.0597 ppm	0.1875 ppm	-0.0056 ppm
Concentration per Run 2	25.0106 ppm	1.6810 ppm	0.0051 ppm	4.7815 ppm	0.0624 ppm	0.1868 ppm	-0.0041 ppm
Concentration per Run 3	24.5630 ppm	1.6594 ppm	0.0065 ppm	4.7650 ppm	0.0589 ppm	0.1902 ppm	0.0001 ppm
Concentration RSD	0.9 %	0.6 %	12.1 %	0.2 %	3.0 %	1.0 %	91.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0032 ppm	3.9911 ppm	0.0431 ppm	0.1388 ppm	2.1309 ppm	0.0008 ppm	0.1347 ppm
Concentration per Run 1	-0.0019 ppm	3.9961 ppm	0.0407 ppm	0.1389 ppm	2.1185 ppm	0.0055 ppm	0.1340 ppm
Concentration per Run 2	-0.0053 ppm	4.0244 ppm	0.0442 ppm	0.1393 ppm	2.1547 ppm	-0.0005 ppm	0.1361 ppm
Concentration per Run 3	-0.0024 ppm	3.9528 ppm	0.0445 ppm	0.1383 ppm	2.1195 ppm	-0.0025 ppm	0.1339 ppm
Concentration RSD	56.5 %	0.9 %	4.9 %	0.4 %	1.0 %	503.5 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	4.1731 ppm	105.3270 %	109.8487 %	103.1226 %	118.0784 %	122.0226 %	117.7292 %
Concentration per Run 1	4.1446 ppm	105.9545 %	109.7493 %	102.3967 %	118.4319 %	121.7667 %	117.0198 %
Concentration per Run 2	4.2578 ppm	104.0799 %	109.0584 %	102.8989 %	117.4159 %	122.1895 %	117.6491 %
Concentration per Run 3	4.1170 ppm	105.9467 %	110.7385 %	104.0724 %	118.3872 %	122.1116 %	118.5186 %
Concentration RSD	1.8 %	1.0 %	0.8 %	0.8 %	0.5 %	0.2 %	0.6 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: L2556282-02d2 WG2114201
 Analysis started at: 9/17/2025 11:39:28 PM
 Rack: 3
 Vial: 18
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0006 ppm	62.5329 ppm	0.0290 ppm	0.0184 ppm	0.6206 ppm	0.0049 ppm	11.8100 ppm
Concentration per Run 1	-0.0006 ppm	62.6810 ppm	0.0293 ppm	0.0207 ppm	0.6233 ppm	0.0049 ppm	11.8196 ppm
Concentration per Run 2	-0.0008 ppm	62.8822 ppm	0.0264 ppm	0.0177 ppm	0.6218 ppm	0.0049 ppm	11.8914 ppm
Concentration per Run 3	-0.0004 ppm	62.0356 ppm	0.0314 ppm	0.0169 ppm	0.6168 ppm	0.0048 ppm	11.7189 ppm
Concentration RSD	34.4 %	0.7 %	8.7 %	10.9 %	0.6 %	1.1 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0005 ppm	0.1444 ppm	0.1397 ppm	0.1286 ppm	136.7331 ppm	8.7070 ppm	0.0793 ppm
Concentration per Run 1	-0.0005 ppm	0.1444 ppm	0.1402 ppm	0.1300 ppm	136.6998 ppm	8.7469 ppm	0.0796 ppm
Concentration per Run 2	-0.0008 ppm	0.1446 ppm	0.1409 ppm	0.1294 ppm	137.6754 ppm	8.7407 ppm	0.0790 ppm
Concentration per Run 3	-0.0002 ppm	0.1440 ppm	0.1381 ppm	0.1265 ppm	135.8241 ppm	8.6334 ppm	0.0792 ppm
Concentration RSD	55.4 %	0.2 %	1.1 %	1.5 %	0.7 %	0.7 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	31.5500 ppm	7.9111 ppm	-0.0001 ppm	11.2527 ppm	0.1222 ppm	0.0666 ppm	-0.0060 ppm
Concentration per Run 1	31.6807 ppm	7.9152 ppm	0.0011 ppm	11.2898 ppm	0.1217 ppm	0.0672 ppm	-0.0069 ppm
Concentration per Run 2	31.5851 ppm	7.9391 ppm	-0.0011 ppm	11.2600 ppm	0.1229 ppm	0.0677 ppm	-0.0039 ppm
Concentration per Run 3	31.3841 ppm	7.8791 ppm	-0.0003 ppm	11.2082 ppm	0.1220 ppm	0.0649 ppm	-0.0071 ppm
Concentration RSD	0.5 %	0.4 %	962.6 %	0.4 %	0.5 %	2.2 %	30.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0051 ppm	2.3673 ppm	0.0106 ppm	0.0940 ppm	3.8460 ppm	-0.0001 ppm	0.2173 ppm
Concentration per Run 1	-0.0038 ppm	2.3711 ppm	0.0120 ppm	0.0943 ppm	3.8629 ppm	0.0020 ppm	0.2169 ppm
Concentration per Run 2	-0.0101 ppm	2.3744 ppm	0.0100 ppm	0.0945 ppm	3.8433 ppm	-0.0017 ppm	0.2189 ppm
Concentration per Run 3	-0.0013 ppm	2.3565 ppm	0.0098 ppm	0.0932 ppm	3.8319 ppm	-0.0006 ppm	0.2161 ppm
Concentration RSD	89.6 %	0.4 %	11.2 %	0.8 %	0.4 %	2,410.9 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3122 ppm	105.8994 %	110.2157 %	104.3855 %	140.4010 %	145.3634 %	140.3785 %
Concentration per Run 1	0.3139 ppm	105.8414 %	110.1111 %	104.2801 %	140.0962 %	146.0063 %	140.4190 %
Concentration per Run 2	0.3117 ppm	105.1990 %	109.7222 %	104.0738 %	140.5774 %	144.1992 %	139.9377 %
Concentration per Run 3	0.3109 ppm	106.6579 %	110.8137 %	104.8026 %	140.5295 %	145.8846 %	140.7790 %
Concentration RSD	0.5 %	0.7 %	0.5 %	0.4 %	0.2 %	0.7 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
Analysis started at: 9/17/2025 11:42:45 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4849 ppm	0.5057 ppm	0.4874 ppm	0.4911 ppm	0.4988 ppm	0.5135 ppm	0.4865 ppm
Concentration per Run 1	0.4826 ppm	0.5035 ppm	0.4834 ppm	0.4878 ppm	0.5026 ppm	0.5176 ppm	0.4860 ppm
Concentration per Run 2	0.4849 ppm	0.5104 ppm	0.4872 ppm	0.4939 ppm	0.4949 ppm	0.5102 ppm	0.4850 ppm
Concentration per Run 3	0.4871 ppm	0.5033 ppm	0.4915 ppm	0.4915 ppm	0.4990 ppm	0.5127 ppm	0.4886 ppm
Recovery Percentage 1	96.978 %	101.147 %	97.475 %	98.211 %	99.764 %	102.703 %	97.306 %
Concentration RSD	0.5 %	0.8 %	0.8 %	0.6 %	0.8 %	0.7 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4982 ppm	0.4991 ppm	0.5017 ppm	0.4942 ppm	0.5175 ppm	5.1585 ppm	0.5179 ppm
Concentration per Run 1	0.4998 ppm	0.5015 ppm	0.5015 ppm	0.4956 ppm	0.5265 ppm	5.1934 ppm	0.5218 ppm
Concentration per Run 2	0.4965 ppm	0.4971 ppm	0.5007 ppm	0.4922 ppm	0.5117 ppm	5.1096 ppm	0.5142 ppm
Concentration per Run 3	0.4983 ppm	0.4987 ppm	0.5030 ppm	0.4948 ppm	0.5144 ppm	5.1726 ppm	0.5179 ppm
Recovery Percentage 1	99.645 %	99.819 %	100.348 %	98.836 %	103.506 %	103.171 %	103.587 %
Concentration RSD	0.3 %	0.5 %	0.2 %	0.4 %	1.5 %	0.8 %	0.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4792 ppm	0.5027 ppm	0.4899 ppm	10.1293 ppm	0.5021 ppm	0.5053 ppm	0.5010 ppm
Concentration per Run 1	0.4812 ppm	0.5052 ppm	0.4906 ppm	10.2014 ppm	0.5023 ppm	0.5052 ppm	0.4973 ppm
Concentration per Run 2	0.4795 ppm	0.5009 ppm	0.4885 ppm	10.0031 ppm	0.5023 ppm	0.5062 ppm	0.4975 ppm
Concentration per Run 3	0.4770 ppm	0.5020 ppm	0.4907 ppm	10.1833 ppm	0.5016 ppm	0.5047 ppm	0.5081 ppm
Recovery Percentage 1	95.843 %	100.545 %	97.981 %	101.293 %	100.410 %	101.069 %	100.199 %
Concentration RSD	0.4 %	0.4 %	0.3 %	1.1 %	0.1 %	0.2 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4871 ppm	5.3472 ppm	0.4940 ppm	0.5054 ppm	0.4948 ppm	0.4956 ppm	0.5032 ppm
Concentration per Run 1	0.4880 ppm	5.3566 ppm	0.4934 ppm	0.5094 ppm	0.4928 ppm	0.4948 ppm	0.5040 ppm
Concentration per Run 2	0.4855 ppm	5.3403 ppm	0.4947 ppm	0.5011 ppm	0.4963 ppm	0.4919 ppm	0.5025 ppm
Concentration per Run 3	0.4879 ppm	5.3449 ppm	0.4938 ppm	0.5057 ppm	0.4955 ppm	0.5002 ppm	0.5031 ppm
Recovery Percentage 1	97.426 %	101.852 %	98.795 %	101.074 %	98.965 %	99.127 %	100.644 %
Concentration RSD	0.3 %	0.2 %	0.1 %	0.8 %	0.4 %	0.9 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5026 ppm	103.4741 %	106.8003 %	102.7306 %	103.4625 %	104.9167 %	102.5408 %
Concentration per Run 1	0.5038 ppm	102.9710 %	105.6743 %	103.1664 %	103.1323 %	103.6134 %	102.6449 %
Concentration per Run 2	0.5005 ppm	103.4488 %	107.3895 %	102.2821 %	103.0505 %	105.2522 %	102.5117 %
Concentration per Run 3	0.5035 ppm	104.0024 %	107.3370 %	102.7431 %	104.2046 %	105.8844 %	102.4659 %
Recovery Percentage 1	100.525 %						
Concentration RSD	0.4 %	0.5 %	0.9 %	0.4 %	0.6 %	1.1 %	0.1 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 11:46:00 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	0.0109 ppm	0.0018 ppm	0.0019 ppm	0.0001 ppm	0.0001 ppm	-0.0010 ppm
Concentration per Run 1	0.0002 ppm	0.0092 ppm	0.0009 ppm	0.0041 ppm	0.0000 ppm	0.0001 ppm	0.0031 ppm
Concentration per Run 2	0.0003 ppm	0.0101 ppm	0.0015 ppm	0.0006 ppm	0.0001 ppm	0.0001 ppm	-0.0047 ppm
Concentration per Run 3	0.0014 ppm	0.0134 ppm	0.0029 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	-0.0012 ppm
Recovery Percentage 1	9.130 %	10.894 %	35.641 %	6.181 %	0.894 %	1.406 %	-0.954 %
Concentration RSD	103.0 %	20.2 %	56.9 %	104.3 %	67.7 %	8.5 %	409.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0011 ppm	0.0001 ppm	0.0011 ppm	0.0025 ppm	0.0571 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	-0.0009 ppm	-0.0004 ppm	0.0011 ppm	0.0027 ppm	0.0676 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0011 ppm	0.0008 ppm	0.0011 ppm	0.0030 ppm	0.0495 ppm	0.0001 ppm
Concentration per Run 3	0.0003 ppm	-0.0013 ppm	0.0000 ppm	0.0012 ppm	0.0019 ppm	0.0543 ppm	0.0006 ppm
Recovery Percentage 1	3.048 %	-5.264 %	1.302 %	11.096 %	5.037 %	2.285 %	8.108 %
Concentration RSD	76.1 %	19.0 %	484.5 %	8.1 %	22.4 %	16.5 %	63.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0087 ppm	0.0005 ppm	0.0012 ppm	-0.0097 ppm	-0.0013 ppm	-0.0043 ppm	-0.0018 ppm
Concentration per Run 1	-0.0111 ppm	0.0003 ppm	0.0006 ppm	-0.0077 ppm	-0.0013 ppm	-0.0053 ppm	0.0038 ppm
Concentration per Run 2	-0.0101 ppm	0.0007 ppm	0.0025 ppm	-0.0111 ppm	-0.0015 ppm	-0.0025 ppm	-0.0029 ppm
Concentration per Run 3	-0.0049 ppm	0.0004 ppm	0.0005 ppm	-0.0104 ppm	-0.0009 ppm	-0.0051 ppm	-0.0064 ppm
Recovery Percentage 1	-8.729 %	5.014 %	2.403 %	-0.486 %	-5.047 %	-43.263 %	-3.695 %
Concentration RSD	38.0 %	43.1 %	91.2 %	18.5 %	23.7 %	35.7 %	282.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0005 ppm	-0.0013 ppm	0.0006 ppm	0.0000 ppm	0.0003 ppm	0.0005 ppm	-0.0010 ppm
Concentration per Run 1	0.0024 ppm	0.0018 ppm	0.0004 ppm	-0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0011 ppm
Concentration per Run 2	-0.0017 ppm	-0.0008 ppm	0.0019 ppm	0.0000 ppm	0.0003 ppm	0.0019 ppm	-0.0008 ppm
Concentration per Run 3	0.0009 ppm	-0.0047 ppm	-0.0003 ppm	0.0001 ppm	0.0005 ppm	-0.0007 ppm	-0.0009 ppm
Recovery Percentage 1	5.030 %	-0.252 %	1.280 %	-0.015 %	3.153 %	2.378 %	-9.517 %
Concentration RSD	410.8 %	261.6 %	176.7 %	7,419.3 %	68.0 %	274.0 %	17.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	102.9551 %	106.0488 %	101.3910 %	103.7408 %	105.3095 %	102.3085 %
Concentration per Run 1	0.0006 ppm	101.7075 %	106.9376 %	102.1435 %	103.3977 %	105.9486 %	103.3792 %
Concentration per Run 2	0.0002 ppm	103.8880 %	105.4722 %	100.2077 %	103.7952 %	105.2845 %	101.0115 %
Concentration per Run 3	0.0007 ppm	103.2697 %	105.7367 %	101.8218 %	104.0296 %	104.6955 %	102.5349 %
Recovery Percentage 1	9.925 %						
Concentration RSD	58.4 %	1.1 %	0.7 %	1.0 %	0.3 %	0.6 %	1.2 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCV
Analysis started at: 9/17/2025 11:49:17 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4785 ppm	0.4935 ppm	0.4863 ppm	0.4819 ppm	0.4907 ppm	0.5052 ppm	0.4817 ppm
Concentration per Run 1	0.4795 ppm	0.4957 ppm	0.4881 ppm	0.4786 ppm	0.4965 ppm	0.5079 ppm	0.4815 ppm
Concentration per Run 2	0.4772 ppm	0.4825 ppm	0.4880 ppm	0.4843 ppm	0.4895 ppm	0.5043 ppm	0.4782 ppm
Concentration per Run 3	0.4787 ppm	0.5024 ppm	0.4827 ppm	0.4828 ppm	0.4861 ppm	0.5034 ppm	0.4855 ppm
Recovery Percentage 1	95.692 %	98.702 %	97.253 %	96.381 %	98.142 %	101.042 %	96.350 %
Concentration RSD	0.2 %	2.0 %	0.6 %	0.6 %	1.1 %	0.5 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4899 ppm	0.4938 ppm	0.4933 ppm	0.4882 ppm	0.4978 ppm	5.1131 ppm	0.5122 ppm
Concentration per Run 1	0.4889 ppm	0.4940 ppm	0.4973 ppm	0.4867 ppm	0.4959 ppm	5.1508 ppm	0.5187 ppm
Concentration per Run 2	0.4881 ppm	0.4929 ppm	0.4912 ppm	0.4866 ppm	0.5002 ppm	5.1273 ppm	0.5090 ppm
Concentration per Run 3	0.4927 ppm	0.4945 ppm	0.4915 ppm	0.4912 ppm	0.4974 ppm	5.0612 ppm	0.5090 ppm
Recovery Percentage 1	97.977 %	98.763 %	98.658 %	97.634 %	99.565 %	102.263 %	102.446 %
Concentration RSD	0.5 %	0.2 %	0.7 %	0.5 %	0.4 %	0.9 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4664 ppm	0.4948 ppm	0.4847 ppm	10.0633 ppm	0.4930 ppm	0.5049 ppm	0.4970 ppm
Concentration per Run 1	0.4671 ppm	0.4956 ppm	0.4817 ppm	10.0488 ppm	0.4936 ppm	0.5049 ppm	0.4974 ppm
Concentration per Run 2	0.4628 ppm	0.4913 ppm	0.4845 ppm	10.0517 ppm	0.4932 ppm	0.5044 ppm	0.4990 ppm
Concentration per Run 3	0.4694 ppm	0.4974 ppm	0.4878 ppm	10.0895 ppm	0.4921 ppm	0.5054 ppm	0.4945 ppm
Recovery Percentage 1	93.279 %	98.953 %	96.934 %	100.633 %	98.590 %	100.978 %	99.394 %
Concentration RSD	0.7 %	0.6 %	0.6 %	0.2 %	0.2 %	0.1 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4862 ppm	5.2781 ppm	0.4849 ppm	0.4965 ppm	0.4857 ppm	0.4931 ppm	0.4966 ppm
Concentration per Run 1	0.4856 ppm	5.2583 ppm	0.4847 ppm	0.5013 ppm	0.4858 ppm	0.4950 ppm	0.4961 ppm
Concentration per Run 2	0.4876 ppm	5.2729 ppm	0.4807 ppm	0.4943 ppm	0.4848 ppm	0.4907 ppm	0.4954 ppm
Concentration per Run 3	0.4853 ppm	5.3031 ppm	0.4894 ppm	0.4940 ppm	0.4864 ppm	0.4934 ppm	0.4982 ppm
Recovery Percentage 1	97.234 %	100.535 %	96.986 %	99.307 %	97.131 %	98.614 %	99.315 %
Concentration RSD	0.3 %	0.4 %	0.9 %	0.8 %	0.2 %	0.4 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4925 ppm	104.5075 %	108.3757 %	102.7094 %	103.7384 %	106.1631 %	102.4031 %
Concentration per Run 1	0.4928 ppm	104.2352 %	107.4127 %	102.4404 %	103.8703 %	105.8828 %	102.3404 %
Concentration per Run 2	0.4905 ppm	105.2151 %	109.5019 %	102.8849 %	104.6350 %	106.7566 %	102.7371 %
Concentration per Run 3	0.4942 ppm	104.0721 %	108.2126 %	102.8029 %	102.7099 %	105.8498 %	102.1318 %
Recovery Percentage 1	98.501 %						
Concentration RSD	0.4 %	0.6 %	1.0 %	0.2 %	0.9 %	0.5 %	0.3 %

ICP DataTrace 9

9/18/2025 5:20:25 AM



LabBook: WG2115884_09172025T9.imexp

Sample: CCB
 Analysis started at: 9/17/2025 11:52:33 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0013 ppm	0.0146 ppm	0.0003 ppm	0.0021 ppm	0.0003 ppm	0.0001 ppm	-0.0013 ppm
Concentration per Run 1	0.0016 ppm	0.0105 ppm	-0.0004 ppm	0.0015 ppm	0.0002 ppm	0.0001 ppm	-0.0035 ppm
Concentration per Run 2	0.0014 ppm	0.0190 ppm	0.0014 ppm	0.0028 ppm	0.0003 ppm	0.0001 ppm	-0.0044 ppm
Concentration per Run 3	0.0009 ppm	0.0144 ppm	-0.0001 ppm	0.0022 ppm	0.0003 ppm	0.0001 ppm	0.0039 ppm
Recovery Percentage 1	18.938 %	14.615 %	6.012 %	7.122 %	2.974 %	2.463 %	-1.343 %
Concentration RSD	29.3 %	29.1 %	318.1 %	30.1 %	15.1 %	11.1 %	337.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0006 ppm	0.0001 ppm	0.0012 ppm	0.0014 ppm	0.0267 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0009 ppm	0.0003 ppm	0.0014 ppm	0.0010 ppm	0.0205 ppm	0.0006 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0006 ppm	0.0017 ppm	0.0287 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	-0.0007 ppm	-0.0005 ppm	0.0016 ppm	0.0014 ppm	0.0308 ppm	-0.0004 ppm
Recovery Percentage 1	0.639 %	-3.010 %	1.430 %	12.059 %	2.755 %	1.067 %	4.535 %
Concentration RSD	191.9 %	70.1 %	383.5 %	41.1 %	24.7 %	20.3 %	232.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0090 ppm	0.0006 ppm	0.0012 ppm	-0.0051 ppm	-0.0009 ppm	-0.0019 ppm	-0.0022 ppm
Concentration per Run 1	-0.0071 ppm	0.0008 ppm	0.0022 ppm	-0.0062 ppm	-0.0009 ppm	-0.0007 ppm	0.0007 ppm
Concentration per Run 2	-0.0114 ppm	0.0008 ppm	-0.0001 ppm	-0.0030 ppm	0.0003 ppm	-0.0035 ppm	-0.0033 ppm
Concentration per Run 3	-0.0085 ppm	0.0003 ppm	0.0015 ppm	-0.0063 ppm	-0.0022 ppm	-0.0014 ppm	-0.0041 ppm
Recovery Percentage 1	-9.005 %	6.384 %	2.360 %	-0.257 %	-3.786 %	-18.802 %	-4.444 %
Concentration RSD	24.7 %	50.3 %	102.5 %	36.2 %	129.8 %	75.4 %	116.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0010 ppm	-0.0022 ppm	0.0009 ppm	0.0001 ppm	-0.0003 ppm	0.0022 ppm	-0.0005 ppm
Concentration per Run 1	-0.0007 ppm	-0.0056 ppm	-0.0005 ppm	0.0001 ppm	-0.0008 ppm	0.0040 ppm	-0.0003 ppm
Concentration per Run 2	-0.0004 ppm	0.0014 ppm	0.0014 ppm	0.0002 ppm	-0.0005 ppm	-0.0016 ppm	-0.0005 ppm
Concentration per Run 3	-0.0018 ppm	-0.0023 ppm	0.0018 ppm	0.0000 ppm	0.0003 ppm	0.0041 ppm	-0.0006 ppm
Recovery Percentage 1	-9.877 %	-0.437 %	1.804 %	1.151 %	-3.397 %	10.887 %	-4.516 %
Concentration RSD	76.6 %	160.5 %	133.8 %	60.9 %	170.6 %	150.2 %	34.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	100.5328 %	103.6247 %	99.7112 %	101.3100 %	102.8008 %	100.3381 %
Concentration per Run 1	0.0002 ppm	99.8343 %	104.6566 %	98.5825 %	100.2427 %	103.7160 %	98.8655 %
Concentration per Run 2	0.0004 ppm	99.8689 %	101.9928 %	100.6012 %	101.3098 %	101.3217 %	101.3217 %
Concentration per Run 3	0.0005 ppm	101.8953 %	104.2246 %	99.9498 %	102.3775 %	103.3647 %	100.8270 %
Recovery Percentage 1	7.220 %						
Concentration RSD	43.8 %	1.2 %	1.4 %	1.0 %	1.1 %	1.3 %	1.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: Blank JMF Trace7
 Analysis started at: 9/18/2025 13:04:27
 Comments: <Comment>
 Rack: 0
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.7 %	-0.6 %	0.3 %	0.1 %	0.2 %	-0.3 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	5.3 %	0.1 %	0.3 %	0.0 %	-3.0 %	1.5 %	-0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.3 %	1.0 %	0.3 %	-0.2 %	-0.1 %	0.6 %	-0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	7.3 %	0.0 %	0.8 %	-0.1 %	-0.3 %	-0.2 %	-0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: ICAL
Analysis started at: 9/18/2025 13:08:58
Comments: <Comment>
Rack: 0
Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	0.9738 ppm	25.5074 ppm	0.9993 ppm	1.0067 ppm	1.0191 ppm	1.0188 ppm	10.2237 ppm
Concentration per Run 2	1.0358 ppm	24.7611 ppm	0.9844 ppm	0.9829 ppm	0.9907 ppm	0.9912 ppm	9.9012 ppm
Concentration per Run 3	0.9904 ppm	24.7315 ppm	1.0163 ppm	1.0104 ppm	0.9902 ppm	0.9900 ppm	9.8751 ppm
Concentration RSD	3.2 %	1.8 %	1.6 %	1.5 %	1.7 %	1.6 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	1.0059 ppm	1.0071 ppm	0.9729 ppm	0.9748 ppm	25.4867 ppm	35.6746 ppm	1.0192 ppm
Concentration per Run 2	0.9851 ppm	0.9832 ppm	1.0376 ppm	1.0354 ppm	24.7634 ppm	34.6690 ppm	0.9913 ppm
Concentration per Run 3	1.0091 ppm	1.0097 ppm	0.9895 ppm	0.9898 ppm	24.7500 ppm	34.6564 ppm	0.9896 ppm
Concentration RSD	1.3 %	1.5 %	3.4 %	3.2 %	1.7 %	1.7 %	1.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	9.7216 ppm	1.0196 ppm	1.0053 ppm	25.4648 ppm	1.0082 ppm	1.0056 ppm	1.0054 ppm
Concentration per Run 2	10.3864 ppm	0.9920 ppm	0.9843 ppm	24.7889 ppm	0.9827 ppm	0.9837 ppm	0.9825 ppm
Concentration per Run 3	9.8921 ppm	0.9883 ppm	1.0104 ppm	24.7463 ppm	1.0091 ppm	1.0107 ppm	1.0122 ppm
Concentration RSD	3.5 %	1.7 %	1.4 %	1.6 %	1.5 %	1.4 %	1.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	1.0081 ppm	10.0666 ppm	1.0077 ppm	1.0192 ppm	0.9733 ppm	1.0074 ppm	0.9728 ppm
Concentration per Run 2	0.9822 ppm	9.8302 ppm	0.9829 ppm	0.9913 ppm	1.0375 ppm	0.9803 ppm	1.0376 ppm
Concentration per Run 3	1.0097 ppm	10.1032 ppm	1.0094 ppm	0.9895 ppm	0.9892 ppm	1.0123 ppm	0.9896 ppm
Concentration RSD	1.5 %	1.5 %	1.5 %	1.7 %	3.3 %	1.7 %	3.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0000 ppm	100.2355 %	94.6906 %	94.6743 %	102.2237 %	90.8004 %	96.7405 %
Concentration per Run 1	1.0065 ppm	98.4911 %	96.9913 %	94.3630 %	100.1436 %	90.1999 %	98.7831 %
Concentration per Run 2	0.9858 ppm	101.3584 %	91.5476 %	96.0801 %	103.5054 %	92.1675 %	93.6971 %
Concentration per Run 3	1.0077 ppm	100.8571 %	95.5330 %	93.5796 %	103.0223 %	90.0337 %	97.7413 %
Concentration RSD	1.2 %	1.5 %	3.0 %	1.4 %	1.8 %	1.3 %	2.8 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: ICV
Analysis started at: 9/18/2025 13:13:08
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5007 ppm	0.5072 ppm	0.4902 ppm	0.4786 ppm	0.5028 ppm	0.5187 ppm	0.5225 ppm
Concentration per Run 1	0.4979 ppm	0.5248 ppm	0.4848 ppm	0.4760 ppm	0.5091 ppm	0.5251 ppm	0.5260 ppm
Concentration per Run 2	0.5105 ppm	0.4921 ppm	0.4898 ppm	0.4772 ppm	0.5013 ppm	0.5161 ppm	0.5160 ppm
Concentration per Run 3	0.4938 ppm	0.5046 ppm	0.4961 ppm	0.4825 ppm	0.4980 ppm	0.5149 ppm	0.5255 ppm
Recovery Percentage 1	100.147 %	101.438 %	98.050 %	95.715 %	100.562 %	103.741 %	104.504 %
Concentration RSD	1.7 %	3.3 %	1.2 %	0.7 %	1.1 %	1.1 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4874 ppm	0.4948 ppm	0.5131 ppm	0.5108 ppm	0.5453 ppm	0.5298 ppm	0.5225 ppm
Concentration per Run 1	0.4839 ppm	0.4918 ppm	0.5113 ppm	0.5080 ppm	0.5508 ppm	5.3840 ppm	0.5309 ppm
Concentration per Run 2	0.4861 ppm	0.4934 ppm	0.5232 ppm	0.5193 ppm	0.5436 ppm	5.2846 ppm	0.5200 ppm
Concentration per Run 3	0.4921 ppm	0.4992 ppm	0.5046 ppm	0.5049 ppm	0.5415 ppm	5.2249 ppm	0.5167 ppm
Recovery Percentage 1	97.476 %	98.963 %	102.611 %	102.151 %	109.061 %	105.956 %	104.501 %
Concentration RSD	0.9 %	0.8 %	1.8 %	1.5 %	0.9 %	1.5 %	1.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5190 ppm	0.5233 ppm	0.4795 ppm	10.1921 ppm	0.4978 ppm	0.4976 ppm	0.4969 ppm
Concentration per Run 1	0.5176 ppm	0.5294 ppm	0.4766 ppm	10.3341 ppm	0.4952 ppm	0.4951 ppm	0.4952 ppm
Concentration per Run 2	0.5304 ppm	0.5214 ppm	0.4784 ppm	10.1411 ppm	0.4964 ppm	0.4966 ppm	0.4948 ppm
Concentration per Run 3	0.5089 ppm	0.5192 ppm	0.4837 ppm	10.1012 ppm	0.5019 ppm	0.5010 ppm	0.5007 ppm
Recovery Percentage 1	103.794 %	104.669 %	95.910 %	101.921 %	99.570 %	99.514 %	99.382 %
Concentration RSD	2.1 %	1.0 %	0.8 %	1.2 %	0.7 %	0.6 %	0.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4839 ppm	5.3473 ppm	0.4884 ppm	0.5095 ppm	0.5062 ppm	0.5058 ppm	0.5144 ppm
Concentration per Run 1	0.4808 ppm	5.3097 ppm	0.4870 ppm	0.5160 ppm	0.5040 ppm	0.5033 ppm	0.5123 ppm
Concentration per Run 2	0.4826 ppm	5.3404 ppm	0.4871 ppm	0.5076 ppm	0.5156 ppm	0.5055 ppm	0.5229 ppm
Concentration per Run 3	0.4883 ppm	5.3917 ppm	0.4911 ppm	0.5050 ppm	0.4989 ppm	0.5086 ppm	0.5079 ppm
Recovery Percentage 1	96.778 %	101.853 %	97.679 %	101.905 %	101.241 %	101.161 %	102.875 %
Concentration RSD	0.8 %	0.8 %	0.5 %	1.1 %	1.7 %	0.5 %	1.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4953 ppm	100.7298 %	97.5585 %	98.7447 %	102.2097 %	98.0126 %	99.3634 %
Concentration per Run 1	0.4918 ppm	99.4912 %	97.7818 %	99.4497 %	100.4439 %	98.6406 %	99.9261 %
Concentration per Run 2	0.4937 ppm	101.8673 %	95.8638 %	99.1303 %	103.6156 %	98.2021 %	97.0299 %
Concentration per Run 3	0.5002 ppm	100.8309 %	99.0300 %	97.6541 %	102.5696 %	97.1952 %	101.1343 %
Recovery Percentage 1	99.053 %						
Concentration RSD	0.9 %	1.2 %	1.6 %	1.0 %	1.6 %	0.8 %	2.1 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: ICB
 Analysis started at: 9/18/2025 13:17:22
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0010 ppm	0.0010 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 1	0.0002 ppm	-0.0026 ppm	0.0002 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run 2	0.0003 ppm	0.0008 ppm	-0.0003 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0032 ppm
Concentration per Run 3	0.0000 ppm	0.0047 ppm	0.0031 ppm	0.0009 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm
Recovery Percentage 1	3.621 %	0.959 %	19.597 %	2.989 %	-0.098 %	0.488 %	1.489 %
Concentration RSD	88.1 %	381.2 %	185.7 %	18.8 %	1,054.0 %	125.2 %	108.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0002 ppm	-0.0003 ppm	0.0019 ppm	-0.0006 ppm	-0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	-0.0006 ppm	0.0023 ppm	-0.0129 ppm	-0.0018 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0004 ppm	-0.0004 ppm	0.0023 ppm	-0.0177 ppm	-0.0009 ppm
Concentration per Run 3	-0.0001 ppm	-0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0010 ppm	0.0288 ppm	0.0013 ppm
Recovery Percentage 1	-1.101 %	-2.794 %	1.847 %	-2.782 %	3.743 %	-0.024 %	-4.468 %
Concentration RSD	76.4 %	29.2 %	136.3 %	132.7 %	41.0 %	4,318.5 %	358.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0016 ppm	-0.0001 ppm	0.0005 ppm	-0.0047 ppm	-0.0001 ppm	0.0002 ppm	-0.0005 ppm
Concentration per Run 1	0.0007 ppm	-0.0002 ppm	0.0006 ppm	-0.0020 ppm	-0.0001 ppm	0.0007 ppm	0.0008 ppm
Concentration per Run 2	0.0012 ppm	0.0001 ppm	0.0005 ppm	-0.0047 ppm	0.0001 ppm	-0.0003 ppm	-0.0018 ppm
Concentration per Run 3	0.0030 ppm	-0.0003 ppm	0.0003 ppm	-0.0073 ppm	-0.0003 ppm	0.0001 ppm	-0.0005 ppm
Recovery Percentage 1	1.622 %	-1.330 %	0.991 %	-0.235 %	-0.366 %	1.680 %	-0.991 %
Concentration RSD	75.7 %	146.0 %	33.0 %	56.2 %	250.2 %	294.7 %	262.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.0005 ppm	0.0007 ppm	0.0001 ppm	0.0002 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run 1	0.0005 ppm	0.0004 ppm	0.0014 ppm	0.0002 ppm	0.0006 ppm	0.0017 ppm	-0.0003 ppm
Concentration per Run 2	0.0024 ppm	0.0005 ppm	-0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run 3	0.0010 ppm	0.0005 ppm	0.0009 ppm	0.0002 ppm	0.0001 ppm	0.0011 ppm	-0.0001 ppm
Recovery Percentage 1	13.211 %	0.093 %	1.397 %	1.226 %	1.518 %	6.128 %	-0.417 %
Concentration RSD	72.7 %	17.7 %	115.6 %	86.2 %	253.4 %	37.5 %	654.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	99.0386 %	100.1843 %	99.3099 %	100.2952 %	99.9352 %	101.4032 %
Concentration per Run 1	0.0002 ppm	97.5092 %	98.5008 %	98.8220 %	98.6023 %	99.3624 %	99.5819 %
Concentration per Run 2	0.0001 ppm	99.6612 %	98.6365 %	99.7177 %	101.0399 %	100.7644 %	99.7893 %
Concentration per Run 3	0.0001 ppm	99.9455 %	103.4155 %	99.3900 %	101.2433 %	99.6790 %	104.8385 %
Recovery Percentage 1	2.523 %						
Concentration RSD	32.8 %	1.3 %	2.8 %	0.5 %	1.5 %	0.7 %	2.9 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: ICV
Analysis started at: 9/18/2025 13:28:53
Comments: <Comment>
Rack: 0
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5147 ppm	0.4954 ppm	0.4843 ppm	0.4708 ppm	0.4985 ppm	0.5143 ppm	0.5217 ppm
Concentration per Run 1	0.4980 ppm	0.5025 ppm	0.4848 ppm	0.4717 ppm	0.5041 ppm	0.5206 ppm	0.5179 ppm
Concentration per Run 2	0.4931 ppm	0.4880 ppm	0.4825 ppm	0.4691 ppm	0.4947 ppm	0.5109 ppm	0.5215 ppm
Concentration per Run 3	0.5528 ppm	0.4957 ppm	0.4857 ppm	0.4718 ppm	0.4966 ppm	0.5115 ppm	0.5256 ppm
Recovery Percentage 1	102.932 %	99.082 %	96.866 %	94.169 %	99.691 %	102.865 %	104.338 %
Concentration RSD	6.4 %	1.5 %	0.3 %	0.3 %	1.0 %	1.1 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4811 ppm	0.4877 ppm	0.5275 ppm	0.5238 ppm	0.5204 ppm	5.2106 ppm	0.5200 ppm
Concentration per Run 1	0.4819 ppm	0.4888 ppm	0.5119 ppm	0.5059 ppm	0.5253 ppm	5.2819 ppm	0.5263 ppm
Concentration per Run 2	0.4790 ppm	0.4861 ppm	0.5042 ppm	0.5038 ppm	0.5185 ppm	5.1666 ppm	0.5148 ppm
Concentration per Run 3	0.4822 ppm	0.4881 ppm	0.5662 ppm	0.5618 ppm	0.5176 ppm	5.1832 ppm	0.5191 ppm
Recovery Percentage 1	96.213 %	97.537 %	105.493 %	104.766 %	104.090 %	104.211 %	104.004 %
Concentration RSD	0.4 %	0.3 %	6.4 %	6.3 %	0.8 %	1.2 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5313 ppm	0.5215 ppm	0.4732 ppm	10.1332 ppm	0.4911 ppm	0.4924 ppm	0.4905 ppm
Concentration per Run 1	0.5140 ppm	0.5274 ppm	0.4740 ppm	10.2459 ppm	0.4918 ppm	0.4935 ppm	0.4936 ppm
Concentration per Run 2	0.5092 ppm	0.5180 ppm	0.4713 ppm	10.0585 ppm	0.4889 ppm	0.4901 ppm	0.4891 ppm
Concentration per Run 3	0.5707 ppm	0.5190 ppm	0.4743 ppm	10.0951 ppm	0.4925 ppm	0.4935 ppm	0.4887 ppm
Recovery Percentage 1	106.259 %	104.295 %	94.637 %	101.332 %	98.212 %	98.471 %	98.091 %
Concentration RSD	6.4 %	1.0 %	0.3 %	1.0 %	0.4 %	0.4 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4780 ppm	5.2901 ppm	0.4804 ppm	0.5081 ppm	0.5201 ppm	0.4966 ppm	0.5291 ppm
Concentration per Run 1	0.4796 ppm	5.2961 ppm	0.4796 ppm	0.5141 ppm	0.5037 ppm	0.4980 ppm	0.5122 ppm
Concentration per Run 2	0.4759 ppm	5.2765 ppm	0.4782 ppm	0.5043 ppm	0.4973 ppm	0.4959 ppm	0.5067 ppm
Concentration per Run 3	0.4785 ppm	5.2978 ppm	0.4833 ppm	0.5060 ppm	0.5592 ppm	0.4960 ppm	0.5685 ppm
Recovery Percentage 1	95.600 %	100.765 %	96.072 %	101.625 %	104.020 %	99.324 %	105.824 %
Concentration RSD	0.4 %	0.2 %	0.5 %	1.0 %	6.5 %	0.2 %	6.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4869 ppm	100.1483 %	94.9988 %	99.0623 %	102.6753 %	98.4420 %	97.1796 %
Concentration per Run 1	0.4875 ppm	99.2750 %	97.4829 %	98.9388 %	101.7875 %	98.3101 %	99.4857 %
Concentration per Run 2	0.4849 ppm	100.6521 %	98.7594 %	99.1385 %	102.9841 %	98.7012 %	101.3204 %
Concentration per Run 3	0.4882 ppm	100.5179 %	88.7541 %	99.1097 %	103.2543 %	98.3148 %	90.7328 %
Recovery Percentage 1	97.372 %						
Concentration RSD	0.4 %	0.8 %	5.7 %	0.1 %	0.8 %	0.2 %	5.8 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: ICB
Analysis started at: 9/18/2025 13:33:11
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0054 ppm	-0.0004 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	-0.0019 ppm
Concentration per Run 1	0.0005 ppm	-0.0040 ppm	-0.0008 ppm	0.0006 ppm	0.0002 ppm	0.0000 ppm	-0.0062 ppm
Concentration per Run 2	0.0000 ppm	-0.0073 ppm	-0.0001 ppm	0.0010 ppm	-0.0001 ppm	0.0000 ppm	-0.0020 ppm
Concentration per Run 3	0.0001 ppm	-0.0047 ppm	-0.0004 ppm	0.0010 ppm	0.0000 ppm	0.0001 ppm	0.0025 ppm
Recovery Percentage 1	3.939 %	-5.365 %	-8.255 %	2.856 %	0.114 %	1.170 %	-1.894 %
Concentration RSD	129.4 %	32.1 %	83.5 %	25.1 %	1,186.0 %	75.3 %	231.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0014 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0008 ppm	-0.0001 ppm	0.0031 ppm	-0.0140 ppm	-0.0007 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm	-0.0013 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0004 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0154 ppm	-0.0004 ppm
Recovery Percentage 1	0.678 %	-2.255 %	2.585 %	-0.064 %	2.717 %	0.002 %	-4.064 %
Concentration RSD	127.3 %	84.6 %	180.1 %	2,242.7 %	109.1 %	34,326.9 %	76.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0007 ppm	0.0000 ppm	0.0002 ppm	-0.0011 ppm	-0.0002 ppm	0.0019 ppm	-0.0003 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0078 ppm	-0.0002 ppm	0.0021 ppm	-0.0005 ppm
Concentration per Run 2	0.0007 ppm	-0.0002 ppm	0.0002 ppm	-0.0019 ppm	-0.0002 ppm	0.0017 ppm	-0.0001 ppm
Concentration per Run 3	0.0014 ppm	0.0004 ppm	0.0003 ppm	-0.0094 ppm	-0.0001 ppm	0.0019 ppm	-0.0004 ppm
Recovery Percentage 1	0.656 %	0.492 %	0.476 %	-0.057 %	-0.640 %	19.038 %	-0.670 %
Concentration RSD	115.7 %	628.4 %	35.7 %	757.1 %	41.8 %	12.4 %	71.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run 1	-0.0001 ppm	0.0012 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run 2	-0.0003 ppm	0.0006 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0021 ppm	-0.0001 ppm
Concentration per Run 3	-0.0003 ppm	0.0009 ppm	-0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0002 ppm	0.0000 ppm
Recovery Percentage 1	-2.426 %	0.186 %	0.591 %	0.149 %	-0.708 %	5.936 %	-0.134 %
Concentration RSD	38.4 %	31.7 %	131.6 %	432.0 %	311.7 %	104.1 %	474.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	100.2739 %	98.5210 %	98.1734 %	100.5718 %	98.5731 %	98.4851 %
Concentration per Run 1	0.0002 ppm	99.3960 %	98.2160 %	96.1570 %	99.2859 %	96.4738 %	98.1214 %
Concentration per Run 2	0.0001 ppm	100.5915 %	98.8612 %	98.6094 %	100.7109 %	99.0250 %	98.7877 %
Concentration per Run 3	0.0002 ppm	100.8341 %	98.4860 %	99.7538 %	101.7186 %	100.2206 %	98.5462 %
Recovery Percentage 1	3.080 %						
Concentration RSD	18.7 %	0.8 %	0.3 %	1.9 %	1.2 %	1.9 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: LLOQ
Analysis started at: 9/18/2025 13:37:44
Comments: <Comment>
Rack: 0
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0054 ppm	0.1041 ppm	0.0035 ppm	0.0315 ppm	0.0103 ppm	0.0052 ppm	0.1096 ppm
Concentration per Run 1	0.0053 ppm	0.1039 ppm	0.0043 ppm	0.0313 ppm	0.0102 ppm	0.0054 ppm	0.1141 ppm
Concentration per Run 2	0.0053 ppm	0.1002 ppm	0.0040 ppm	0.0313 ppm	0.0104 ppm	0.0052 ppm	0.1157 ppm
Concentration per Run 3	0.0055 ppm	0.1083 ppm	0.0021 ppm	0.0320 ppm	0.0102 ppm	0.0052 ppm	0.0991 ppm
Recovery Percentage 1	107.005 %	104.113 %	69.466 %	105.074 %	102.612 %	104.833 %	109.643 %
Concentration RSD	2.1 %	3.9 %	34.2 %	1.2 %	1.0 %	2.1 %	8.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0038 ppm	0.0093 ppm	0.0108 ppm	0.0100 ppm	0.0542 ppm	2.5912 ppm	0.0099 ppm
Concentration per Run 1	0.0039 ppm	0.0091 ppm	0.0114 ppm	0.0100 ppm	0.0553 ppm	2.6176 ppm	0.0098 ppm
Concentration per Run 2	0.0038 ppm	0.0094 ppm	0.0105 ppm	0.0099 ppm	0.0539 ppm	2.5660 ppm	0.0092 ppm
Concentration per Run 3	0.0039 ppm	0.0093 ppm	0.0104 ppm	0.0102 ppm	0.0535 ppm	2.5898 ppm	0.0105 ppm
Recovery Percentage 1	95.799 %	92.800 %	107.718 %	100.100 %	108.436 %	103.646 %	98.665 %
Concentration RSD	1.0 %	1.5 %	4.7 %	1.5 %	1.8 %	1.0 %	6.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1083 ppm	0.0104 ppm	0.0467 ppm	1.9914 ppm	0.0186 ppm	0.0103 ppm	0.0464 ppm
Concentration per Run 1	0.1138 ppm	0.0105 ppm	0.0467 ppm	2.0135 ppm	0.0188 ppm	0.0097 ppm	0.0457 ppm
Concentration per Run 2	0.1072 ppm	0.0103 ppm	0.0461 ppm	1.9872 ppm	0.0184 ppm	0.0105 ppm	0.0455 ppm
Concentration per Run 3	0.1038 ppm	0.0104 ppm	0.0473 ppm	1.9735 ppm	0.0187 ppm	0.0108 ppm	0.0480 ppm
Recovery Percentage 1	108.268 %	104.362 %	93.404 %	99.570 %	93.225 %	103.238 %	92.789 %
Concentration RSD	4.7 %	0.9 %	1.3 %	1.0 %	1.2 %	5.4 %	3.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0093 ppm	0.5066 ppm	0.0479 ppm	0.0102 ppm	0.0104 ppm	0.0201 ppm	0.0100 ppm
Concentration per Run 1	0.0103 ppm	0.5074 ppm	0.0484 ppm	0.0104 ppm	0.0108 ppm	0.0191 ppm	0.0104 ppm
Concentration per Run 2	0.0090 ppm	0.5012 ppm	0.0480 ppm	0.0102 ppm	0.0101 ppm	0.0206 ppm	0.0098 ppm
Concentration per Run 3	0.0087 ppm	0.5112 ppm	0.0473 ppm	0.0100 ppm	0.0103 ppm	0.0206 ppm	0.0097 ppm
Recovery Percentage 1	93.480 %	101.325 %	95.764 %	101.632 %	103.970 %	100.559 %	99.799 %
Concentration RSD	9.1 %	1.0 %	1.2 %	1.9 %	3.6 %	4.4 %	3.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0051 ppm	100.1017 %	96.0357 %	99.8710 %	101.9198 %	101.1791 %	98.1412 %
Concentration per Run 1	0.0052 ppm	99.5175 %	91.0548 %	99.5295 %	100.5786 %	100.9880 %	93.5952 %
Concentration per Run 2	0.0051 ppm	100.5019 %	98.2106 %	100.9507 %	102.4730 %	102.3125 %	99.9605 %
Concentration per Run 3	0.0051 ppm	100.2858 %	98.8417 %	99.1329 %	102.7078 %	100.2367 %	100.8680 %
Recovery Percentage 1	102.974 %						
Concentration RSD	1.0 %	0.5 %	4.5 %	1.0 %	1.1 %	1.0 %	4.0 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: ICSA
Analysis started at: 9/18/2025 13:42:15
Comments: <Comment>
Rack: 0
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	513.5390 [SIC 500]	-0.0048 ppm	0.0017 ppm	0.0020 ppm	-0.0001 ppm	477.5481 ppm
Concentration per Run 1	0.0001 ppm	514.2300 ppm	-0.0061 ppm	0.0016 ppm	0.0019 ppm	-0.0001 ppm	481.4690 ppm
Concentration per Run 2	-0.0005 ppm	513.8718 ppm	-0.0040 ppm	0.0012 ppm	0.0020 ppm	-0.0001 ppm	477.3046 ppm
Concentration per Run 3	0.0004 ppm	512.5152 ppm	-0.0042 ppm	0.0024 ppm	0.0020 ppm	-0.0001 ppm	473.8707 ppm
Recovery Percentage 1	-0.036 %	513,539.004 %	-95.754 %	5.748 %	19.699 %	-1.857 %	477,548.100 %
Concentration RSD	26,410.4 %	0.2 %	24.4 %	35.3 %	3.5 %	22.7 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0045 ppm	0.0002 ppm	0.0004 ppm	0.0029 ppm	184.4351 ppm	-0.0454 ppm	-0.0009 ppm
Concentration per Run 1	-0.0047 ppm	0.0003 ppm	0.0006 ppm	0.0029 ppm	185.9552 ppm	-0.0542 ppm	-0.0011 ppm
Concentration per Run 2	-0.0044 ppm	0.0000 ppm	0.0007 ppm	0.0028 ppm	185.0417 ppm	-0.0422 ppm	-0.0003 ppm
Concentration per Run 3	-0.0045 ppm	0.0003 ppm	-0.0001 ppm	0.0029 ppm	182.3083 ppm	-0.0399 ppm	-0.0012 ppm
Recovery Percentage 1	-113.153 %	2.296 %	4.145 %	28.755 %	368,870.129 %	-1.817 %	-8.587 %
Concentration RSD	2.8 %	75.0 %	109.5 %	1.9 %	1.0 %	16.9 %	57.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	503.0984 [SIC 500]	0.0023 ppm	-0.0012 ppm	0.0317 ppm	-0.0120 ppm	-0.0038 ppm	-0.0037 ppm
Concentration per Run 1	539.3344 ppm	0.0023 ppm	-0.0006 ppm	0.0349 ppm	-0.0121 ppm	-0.0045 ppm	-0.0060 ppm
Concentration per Run 2	507.1022 ppm	0.0021 ppm	-0.0013 ppm	0.0227 ppm	-0.0123 ppm	-0.0032 ppm	-0.0035 ppm
Concentration per Run 3	462.8586 ppm	0.0025 ppm	-0.0017 ppm	0.0375 ppm	-0.0117 ppm	-0.0038 ppm	-0.0018 ppm
Recovery Percentage 1	503,098.402 %	23.223 %	-2.430 %	1.584 %	-48.068 %	-38.056 %	-7.483 %
Concentration RSD	7.6 %	7.3 %	46.4 %	24.9 %	2.7 %	17.3 %	56.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0050 ppm	0.0123 ppm	0.0049 ppm	-0.0028 ppm	0.0018 ppm	0.0009 ppm	-0.0018 ppm
Concentration per Run 1	0.0039 ppm	0.0115 ppm	0.0042 ppm	-0.0026 ppm	0.0018 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run 2	0.0059 ppm	0.0122 ppm	0.0036 ppm	-0.0029 ppm	0.0018 ppm	0.0013 ppm	-0.0016 ppm
Concentration per Run 3	0.0053 ppm	0.0133 ppm	0.0069 ppm	-0.0029 ppm	0.0017 ppm	0.0015 ppm	-0.0014 ppm
Recovery Percentage 1	50.281 %	2.465 %	9.730 %	-27.976 %	17.544 %	4.654 %	-17.583 %
Concentration RSD	20.6 %	7.5 %	36.0 %	7.1 %	3.3 %	87.3 %	24.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0009 ppm	94.9427 %	81.3520 %	81.3671 %	96.9075 %	68.8995 %	80.7707 %
Concentration per Run 1	-0.0007 ppm	95.3718 %	75.2917 %	81.0336 %	97.0340 %	68.6784 %	78.3251 %
Concentration per Run 2	-0.0010 ppm	94.8562 %	80.3854 %	82.1309 %	96.7655 %	69.6208 %	83.2164 %
Concentration per Run 3	-0.0010 ppm	94.6002 %	88.3787 %	80.9370 %	96.9229 %	68.3994 %	N/A
Recovery Percentage 1	-17.575 %						
Concentration RSD	16.8 %	0.4 %	8.1 %	0.8 %	0.1 %	0.9 %	4.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: SIC Multi
Analysis started at: 9/18/2025 13:47:13
Comments: <Comment>
Rack: 0
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0024 ppm	0.0363 ppm	-0.0080 ppm	0.0028 ppm	0.0001 ppm	-0.0021 ppm	0.0743 ppm
Concentration per Run 1	-0.0026 ppm	0.0339 ppm	-0.0081 ppm	0.0027 ppm	0.0003 ppm	-0.0022 ppm	0.0811 ppm
Concentration per Run 2	-0.0022 ppm	0.0395 ppm	-0.0082 ppm	0.0030 ppm	0.0000 ppm	-0.0020 ppm	0.0672 ppm
Concentration per Run 3	-0.0024 ppm	0.0356 ppm	-0.0077 ppm	0.0028 ppm	0.0001 ppm	-0.0021 ppm	0.0746 ppm
Recovery Percentage 1	-47.959 %	36.345 %	-160.103 %	9.341 %	1.180 %	-42.179 %	74.282 %
Concentration RSD	7.2 %	7.9 %	3.2 %	6.2 %	115.1 %	4.3 %	9.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0031 ppm	-0.0141 ppm	20.1440 ppm	0.0081 ppm	0.0042 ppm	-0.0085 ppm	-0.0014 ppm
Concentration per Run 1	-0.0031 ppm	-0.0139 ppm	19.4299 ppm	0.0082 ppm	0.0087 ppm	-0.0072 ppm	-0.0016 ppm
Concentration per Run 2	-0.0032 ppm	-0.0142 ppm	20.3160 ppm	0.0080 ppm	0.0036 ppm	-0.0275 ppm	-0.0014 ppm
Concentration per Run 3	-0.0031 ppm	-0.0142 ppm	20.6860 ppm	0.0082 ppm	0.0004 ppm	0.0093 ppm	-0.0013 ppm
Recovery Percentage 1	-78.125 %	-140.775 %	201,439.848 %	81.292 %	8.494 %	-0.339 %	-14.386 %
Concentration RSD	1.2 %	1.0 %	3.2 %	1.2 %	99.3 %	217.6 %	11.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0322 ppm	20.8322 [SIC 40]	-0.0019 ppm	0.0046 ppm	-0.0014 ppm	0.0028 ppm	-0.0311 ppm
Concentration per Run 1	-0.0295 ppm	21.1302 ppm	-0.0018 ppm	0.0116 ppm	-0.0010 ppm	0.0031 ppm	-0.0310 ppm
Concentration per Run 2	-0.0326 ppm	20.3257 ppm	-0.0020 ppm	0.0066 ppm	-0.0019 ppm	0.0026 ppm	-0.0318 ppm
Concentration per Run 3	-0.0345 ppm	21.0407 ppm	-0.0019 ppm	-0.0045 ppm	-0.0012 ppm	0.0026 ppm	-0.0306 ppm
Recovery Percentage 1	-32.191 %	208,322.228 %	-3.741 %	0.229 %	-5.490 %	27.749 %	-62.277 %
Concentration RSD	7.8 %	2.1 %	5.3 %	179.0 %	34.2 %	10.8 %	2.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0059 ppm	0.1696 ppm	-0.0018 ppm	0.0003 ppm	19.8782 ppm	-0.0047 ppm	10.1592 [SIC 10]
Concentration per Run 1	-0.0043 ppm	0.1699 ppm	-0.0014 ppm	0.0003 ppm	19.1305 ppm	-0.0043 ppm	9.7828 ppm
Concentration per Run 2	-0.0058 ppm	0.1709 ppm	-0.0016 ppm	0.0002 ppm	20.0818 ppm	-0.0055 ppm	10.2926 ppm
Concentration per Run 3	-0.0075 ppm	0.1680 ppm	-0.0025 ppm	0.0003 ppm	20.4223 ppm	-0.0044 ppm	10.4022 ppm
Recovery Percentage 1	-58.715 %	33.923 %	-3.699 %	2.879 %	198,781.868 %	-23.529 %	101,592.191 %
Concentration RSD	27.4 %	0.9 %	33.0 %	15.6 %	3.4 %	14.3 %	3.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0037 ppm	98.0579 %	97.8241 %	97.8296 %	100.6640 %	97.3957 %	99.3168 %
Concentration per Run 1	0.0037 ppm	96.7278 %	101.1668 %	98.0937 %	99.0861 %	97.7797 %	103.0201 %
Concentration per Run 2	0.0035 ppm	100.4245 %	96.7082 %	96.7146 %	102.9635 %	96.2534 %	98.2255 %
Concentration per Run 3	0.0038 ppm	97.0214 %	95.5972 %	98.6805 %	99.9423 %	98.1538 %	96.7048 %
Recovery Percentage 1	73.704 %						
Concentration RSD	4.2 %	2.1 %	3.0 %	1.0 %	2.0 %	1.0 %	3.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: LDR Check
 Analysis started at: 9/18/2025 13:52:01
 Comments: <Comment>
 Rack: 0
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0010 ppm	0.0107 ppm	5.7138 ppm	4.9880 ppm	9.6616 ppm	0.0007 ppm	-0.0048 ppm
Concentration per Run 1	0.0012 ppm	0.0070 ppm	5.6962 ppm	4.9867 ppm	9.3686 ppm	0.0006 ppm	0.0050 ppm
Concentration per Run 2	0.0007 ppm	0.0179 ppm	5.6306 ppm	4.9067 ppm	9.9088 ppm	0.0007 ppm	-0.0135 ppm
Concentration per Run 3	0.0011 ppm	0.0074 ppm	5.8146 ppm	5.0707 ppm	9.7074 ppm	0.0007 ppm	-0.0059 ppm
Recovery Percentage 1	0.000 %	0.000 %	114.276 %	99.761 %	96.616 %	0.000 %	0.000 %
Concentration RSD	24.4 %	57.6 %	1.6 %	1.6 %	2.8 %	6.5 %	194.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0006 ppm	0.0027 ppm	0.0003 ppm	19.3741 ppm	-0.0088 ppm	311.1216 ppm	5.0487 ppm
Concentration per Run 1	-0.0007 ppm	0.0025 ppm	0.0008 ppm	19.9024 ppm	-0.0092 ppm	304.3220 ppm	4.9307 ppm
Concentration per Run 2	-0.0006 ppm	0.0026 ppm	0.0002 ppm	19.1162 ppm	-0.0084 ppm	316.0590 ppm	5.1343 ppm
Concentration per Run 3	-0.0006 ppm	0.0029 ppm	0.0001 ppm	19.1036 ppm	-0.0088 ppm	312.9838 ppm	5.0812 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	96.870 %	0.000 %	103.707 %	100.974 %
Concentration RSD	7.2 %	8.4 %	111.6 %	2.4 %	4.5 %	2.0 %	2.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0158 ppm	0.0013 ppm	5.1142 [SIC 20]	482.0225 ppm	10.1739 [SIC 20]	48.7942 ppm	-0.0290 ppm
Concentration per Run 1	-0.0191 ppm	0.0012 ppm	5.1101 ppm	471.3069 ppm	10.1773 ppm	48.7986 ppm	-0.0290 ppm
Concentration per Run 2	-0.0145 ppm	0.0014 ppm	5.0265 ppm	485.7005 ppm	9.9963 ppm	47.9368 ppm	-0.0296 ppm
Concentration per Run 3	-0.0139 ppm	0.0013 ppm	5.2059 ppm	489.0601 ppm	10.3479 ppm	49.6470 ppm	-0.0283 ppm
Recovery Percentage 1	0.000 %	0.000 %	102.284 %	96.405 %	101.739 %	97.588 %	0.000 %
Concentration RSD	17.8 %	8.3 %	1.8 %	2.0 %	1.7 %	1.8 %	2.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	21.5547 [SIC 200]	0.0026 ppm	0.0010 ppm	0.0007 ppm	0.0001 ppm	-0.0110 ppm
Concentration per Run 1	0.0025 ppm	21.5300 ppm	0.0033 ppm	0.0010 ppm	0.0011 ppm	-0.0003 ppm	-0.0112 ppm
Concentration per Run 2	0.0000 ppm	21.2046 ppm	0.0024 ppm	0.0009 ppm	0.0005 ppm	0.0004 ppm	-0.0110 ppm
Concentration per Run 3	-0.0016 ppm	21.9294 ppm	0.0020 ppm	0.0009 ppm	0.0004 ppm	0.0002 ppm	-0.0107 ppm
Recovery Percentage 1	0.000 %	107.773 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	711.6 %	1.7 %	25.8 %	6.7 %	59.8 %	379.1 %	2.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	20.6319 [SIC 20]	96.9391 %	87.1145 %	81.5201 %	99.3519 %	81.7922 %	88.9311 %
Concentration per Run 1	20.6460 ppm	99.2192 %	85.5339 %	81.5268 %	101.2161 %	81.6812 %	86.9570 %
Concentration per Run 2	20.2586 ppm	95.8727 %	87.8092 %	82.7361 %	98.1535 %	83.1481 %	89.9359 %
Concentration per Run 3	20.9912 ppm	95.7253 %	88.0005 %	80.2975 %	98.6861 %	80.5473 %	89.9004 %
Recovery Percentage 1	103.160 %						
Concentration RSD	1.8 %	2.0 %	1.6 %	1.5 %	1.6 %	1.6 %	1.9 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: zLLOQ 0.005ppm
Analysis started at: 9/18/2025 14:28:22
Comments: <Comment>
Rack: 1
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0048 ppm	0.0076 ppm	0.0044 ppm	0.0046 ppm	0.0052 ppm	0.0052 ppm	0.0066 ppm
Concentration per Run 1	0.0047 ppm	0.0036 ppm	0.0042 ppm	0.0049 ppm	0.0054 ppm	0.0053 ppm	0.0096 ppm
Concentration per Run 2	0.0048 ppm	0.0050 ppm	0.0060 ppm	0.0048 ppm	0.0051 ppm	0.0052 ppm	0.0071 ppm
Concentration per Run 3	0.0049 ppm	0.0141 ppm	0.0031 ppm	0.0043 ppm	0.0050 ppm	0.0052 ppm	0.0031 ppm
Recovery Percentage 1	96.284 %	151.653 %	88.602 %	92.760 %	103.462 %	104.841 %	0.000 %
Concentration RSD	1.5 %	74.8 %	33.6 %	6.9 %	3.2 %	1.8 %	49.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0047 ppm	0.0047 ppm	0.0054 ppm	0.0049 ppm	0.0065 ppm	0.0887 ppm	0.0053 ppm
Concentration per Run 1	0.0048 ppm	0.0048 ppm	0.0057 ppm	0.0049 ppm	0.0057 ppm	0.1242 ppm	0.0063 ppm
Concentration per Run 2	0.0047 ppm	0.0045 ppm	0.0053 ppm	0.0047 ppm	0.0075 ppm	0.0497 ppm	0.0039 ppm
Concentration per Run 3	0.0047 ppm	0.0047 ppm	0.0052 ppm	0.0049 ppm	0.0064 ppm	0.0921 ppm	0.0058 ppm
Recovery Percentage 1	94.933 %	93.294 %	107.815 %	97.183 %	130.487 %	0.000 %	0.000 %
Concentration RSD	0.5 %	3.5 %	4.7 %	2.3 %	14.2 %	42.2 %	23.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0082 ppm	0.0053 ppm	0.0047 ppm	0.1299 ppm	0.0051 ppm	0.0061 ppm	0.0039 ppm
Concentration per Run 1	0.0058 ppm	0.0052 ppm	0.0046 ppm	0.1288 ppm	0.0052 ppm	0.0058 ppm	0.0043 ppm
Concentration per Run 2	0.0087 ppm	0.0054 ppm	0.0048 ppm	0.1357 ppm	0.0051 ppm	0.0060 ppm	0.0036 ppm
Concentration per Run 3	0.0101 ppm	0.0053 ppm	0.0047 ppm	0.1250 ppm	0.0050 ppm	0.0065 ppm	0.0037 ppm
Recovery Percentage 1	0.000 %	106.373 %	93.804 %	0.000 %	102.492 %	122.017 %	77.426 %
Concentration RSD	26.5 %	2.0 %	1.9 %	4.2 %	1.3 %	5.8 %	10.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0038 ppm	0.0515 ppm	0.0056 ppm	0.0054 ppm	0.0051 ppm	0.0051 ppm	0.0051 ppm
Concentration per Run 1	0.0043 ppm	0.0514 ppm	0.0056 ppm	0.0054 ppm	0.0052 ppm	0.0066 ppm	0.0051 ppm
Concentration per Run 2	0.0027 ppm	0.0518 ppm	0.0063 ppm	0.0054 ppm	0.0052 ppm	0.0043 ppm	0.0048 ppm
Concentration per Run 3	0.0042 ppm	0.0512 ppm	0.0049 ppm	0.0053 ppm	0.0051 ppm	0.0044 ppm	0.0053 ppm
Recovery Percentage 1	75.039 %	1,029.003 %	112.380 %	107.332 %	102.850 %	102.106 %	101.592 %
Concentration RSD	23.5 %	0.6 %	12.6 %	1.0 %	0.9 %	25.2 %	4.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0050 ppm	99.1782 %	98.6688 %	101.2116 %	99.3677 %	101.1427 %	99.0224 %
Concentration per Run 1	0.0051 ppm	97.6248 %	99.7218 %	100.9347 %	97.2277 %	101.1294 %	99.9483 %
Concentration per Run 2	0.0052 ppm	99.9420 %	98.7007 %	101.3137 %	100.0042 %	101.1100 %	99.8184 %
Concentration per Run 3	0.0048 ppm	99.9678 %	97.5838 %	101.3863 %	100.8713 %	101.1885 %	97.3003 %
Recovery Percentage 1	100.835 %						
Concentration RSD	3.7 %	1.4 %	1.1 %	0.2 %	1.9 %	0.0 %	1.5 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: LLOQ 0.01ppm As Pass
 Analysis started at: 9/18/2025 14:32:53
 Comments: <Comment>
 Rack: 1
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0101 ppm	0.0093 ppm	0.0081 ppm	0.0097 ppm	0.0102 ppm	0.0104 ppm	0.0084 ppm
Concentration per Run 1	0.0098 ppm	0.0068 ppm	0.0093 ppm	0.0100 ppm	0.0104 ppm	0.0104 ppm	0.0092 ppm
Concentration per Run 2	0.0094 ppm	0.0136 ppm	0.0091 ppm	0.0095 ppm	0.0101 ppm	0.0104 ppm	0.0036 ppm
Concentration per Run 3	0.0112 ppm	0.0076 ppm	0.0060 ppm	0.0096 ppm	0.0102 ppm	0.0104 ppm	0.0123 ppm
Recovery Percentage 1	0.000 %	0.000 %	81.047 %	97.070 %	102.461 %	0.000 %	0.000 %
Concentration RSD	9.3 %	39.9 %	22.7 %	2.9 %	1.4 %	0.1 %	53.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0096 ppm	0.0096 ppm	0.0104 ppm	0.0101 ppm	0.0120 ppm	0.1199 ppm	0.0111 ppm
Concentration per Run 1	0.0096 ppm	0.0094 ppm	0.0103 ppm	0.0099 ppm	0.0126 ppm	0.1120 ppm	0.0119 ppm
Concentration per Run 2	0.0097 ppm	0.0099 ppm	0.0101 ppm	0.0100 ppm	0.0115 ppm	0.1129 ppm	0.0108 ppm
Concentration per Run 3	0.0095 ppm	0.0094 ppm	0.0107 ppm	0.0103 ppm	0.0118 ppm	0.1348 ppm	0.0106 ppm
Recovery Percentage 1	0.000 %	95.768 %	103.555 %	100.763 %	0.000 %	0.000 %	110.795 %
Concentration RSD	1.1 %	2.9 %	2.7 %	2.3 %	5.0 %	10.7 %	6.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0111 ppm	0.0106 ppm	0.0093 ppm	0.2118 ppm	0.0096 ppm	0.0107 ppm	0.0094 ppm
Concentration per Run 1	0.0100 ppm	0.0107 ppm	0.0092 ppm	0.2083 ppm	0.0097 ppm	0.0106 ppm	0.0089 ppm
Concentration per Run 2	0.0134 ppm	0.0104 ppm	0.0093 ppm	0.2138 ppm	0.0096 ppm	0.0107 ppm	0.0084 ppm
Concentration per Run 3	0.0099 ppm	0.0106 ppm	0.0093 ppm	0.2132 ppm	0.0096 ppm	0.0109 ppm	0.0108 ppm
Recovery Percentage 1	0.000 %	105.851 %	92.775 %	0.000 %	96.279 %	107.326 %	0.000 %
Concentration RSD	17.9 %	1.5 %	0.4 %	1.4 %	0.8 %	1.8 %	13.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0096 ppm	0.1045 ppm	0.0099 ppm	0.0105 ppm	0.0102 ppm	0.0103 ppm	0.0101 ppm
Concentration per Run 1	0.0104 ppm	0.1043 ppm	0.0092 ppm	0.0105 ppm	0.0103 ppm	0.0106 ppm	0.0101 ppm
Concentration per Run 2	0.0097 ppm	0.1060 ppm	0.0099 ppm	0.0103 ppm	0.0097 ppm	0.0096 ppm	0.0098 ppm
Concentration per Run 3	0.0087 ppm	0.1033 ppm	0.0104 ppm	0.0106 ppm	0.0107 ppm	0.0108 ppm	0.0104 ppm
Recovery Percentage 1	95.765 %	0.000 %	98.511 %	104.524 %	102.424 %	103.374 %	100.918 %
Concentration RSD	8.5 %	1.3 %	6.1 %	1.2 %	4.7 %	5.8 %	2.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0098 ppm	100.0522 %	98.7895 %	99.8536 %	100.4121 %	100.1800 %	101.3313 %
Concentration per Run 1	0.0099 ppm	99.6761 %	99.8924 %	100.4889 %	99.8921 %	100.5048 %	100.1048 %
Concentration per Run 2	0.0098 ppm	99.9910 %	101.4889 %	98.9470 %	100.1969 %	99.2801 %	102.5578 %
Concentration per Run 3	0.0097 ppm	100.4896 %	94.9871 %	100.1248 %	101.1474 %	100.7551 %	N/A
Recovery Percentage 1	97.959 %						
Concentration RSD	1.0 %	0.4 %	3.4 %	0.8 %	0.7 %	0.8 %	1.7 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCV
 Analysis started at: 9/18/2025 15:31:37
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4733 ppm	0.4821 ppm	0.5007 ppm	0.4723 ppm	0.4920 ppm	0.5015 ppm	0.4918 ppm
Concentration per Run 1	0.4714 ppm	0.4950 ppm	0.4949 ppm	0.4643 ppm	0.4982 ppm	0.5087 ppm	0.4963 ppm
Concentration per Run 2	0.4747 ppm	0.4551 ppm	0.4976 ppm	0.4684 ppm	0.4687 ppm	0.4779 ppm	0.4686 ppm
Concentration per Run 3	0.4737 ppm	0.4963 ppm	0.5097 ppm	0.4843 ppm	0.5091 ppm	0.5179 ppm	0.5107 ppm
Recovery Percentage 1	94.651 %	96.424 %	100.149 %	94.468 %	98.404 %	100.296 %	98.368 %
Concentration RSD	0.4 %	4.9 %	1.6 %	2.2 %	4.2 %	4.2 %	4.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5194 ppm	0.4955 ppm	0.5306 ppm	0.4824 ppm	0.5346 ppm	5.0416 ppm	0.4971 ppm
Concentration per Run 1	0.5130 ppm	0.4889 ppm	0.5288 ppm	0.4809 ppm	0.5415 ppm	5.1203 ppm	0.5049 ppm
Concentration per Run 2	0.5133 ppm	0.4903 ppm	0.5310 ppm	0.4839 ppm	0.5066 ppm	4.7841 ppm	0.4731 ppm
Concentration per Run 3	0.5320 ppm	0.5074 ppm	0.5320 ppm	0.4826 ppm	0.5558 ppm	5.2203 ppm	0.5133 ppm
Recovery Percentage 1	103.886 %	99.103 %	106.127 %	96.488 %	106.926 %	100.831 %	99.424 %
Concentration RSD	2.1 %	2.1 %	0.3 %	0.3 %	4.7 %	4.5 %	4.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5313 ppm	0.5149 ppm	0.4968 ppm	9.4616 ppm	0.5219 ppm	0.5219 ppm	0.4824 ppm
Concentration per Run 1	0.5320 ppm	0.5225 ppm	0.4904 ppm	9.5936 ppm	0.5159 ppm	0.5143 ppm	0.4759 ppm
Concentration per Run 2	0.5297 ppm	0.4896 ppm	0.4915 ppm	9.0253 ppm	0.5152 ppm	0.5160 ppm	0.4784 ppm
Concentration per Run 3	0.5321 ppm	0.5327 ppm	0.5086 ppm	9.7658 ppm	0.5345 ppm	0.5355 ppm	0.4928 ppm
Recovery Percentage 1	106.251 %	102.982 %	99.367 %	94.616 %	104.372 %	104.385 %	96.470 %
Concentration RSD	0.3 %	4.4 %	2.0 %	4.1 %	2.1 %	2.3 %	1.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4877 ppm	5.4034 ppm	0.4968 ppm	0.4980 ppm	0.5260 ppm	0.4963 ppm	0.5360 ppm
Concentration per Run 1	0.4824 ppm	5.3242 ppm	0.4926 ppm	0.5045 ppm	0.5251 ppm	0.4894 ppm	0.5346 ppm
Concentration per Run 2	0.4802 ppm	5.3455 ppm	0.4910 ppm	0.4747 ppm	0.5267 ppm	0.4917 ppm	0.5357 ppm
Concentration per Run 3	0.5006 ppm	5.5406 ppm	0.5069 ppm	0.5149 ppm	0.5262 ppm	0.5079 ppm	0.5376 ppm
Recovery Percentage 1	97.544 %	102.923 %	99.369 %	99.603 %	105.197 %	99.262 %	107.191 %
Concentration RSD	2.3 %	2.2 %	1.8 %	4.2 %	0.2 %	2.0 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5347 ppm	100.5692 %	96.5887 %	96.4672 %	106.0516 %	96.2995 %	101.2067 %
Concentration per Run 1	0.5284 ppm	99.2539 %	96.9835 %	97.5485 %	104.3577 %	97.4766 %	101.5929 %
Concentration per Run 2	0.5280 ppm	104.3831 %	96.4677 %	97.0401 %	110.4952 %	97.2786 %	101.0783 %
Concentration per Run 3	0.5476 ppm	98.0705 %	96.3148 %	94.8130 %	103.3019 %	94.1434 %	100.9489 %
Recovery Percentage 1	106.933 %						
Concentration RSD	2.1 %	3.3 %	0.4 %	1.5 %	3.7 %	1.9 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCB
 Analysis started at: 9/18/2025 15:35:50
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0041 ppm	-0.0010 ppm	0.0004 ppm	0.0003 ppm	0.0001 ppm	-0.0007 ppm
Concentration per Run 1	-0.0002 ppm	0.0032 ppm	-0.0015 ppm	0.0004 ppm	0.0003 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run 2	0.0003 ppm	0.0090 ppm	-0.0009 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	-0.0005 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	-0.0046 ppm
Recovery Percentage 1	-0.156 %	4.129 %	-19.663 %	1.180 %	2.737 %	1.285 %	-0.663 %
Concentration RSD	3,934.6 %	109.0 %	52.8 %	29.6 %	15.6 %	69.7 %	561.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0003 ppm	-0.0011 ppm	0.0013 ppm	0.0105 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0008 ppm	0.0013 ppm	-0.0021 ppm	-0.0013 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0011 ppm	0.0002 ppm	0.0072 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0015 ppm	0.0023 ppm	0.0264 ppm	0.0004 ppm
Recovery Percentage 1	-0.302 %	-0.081 %	2.771 %	-11.460 %	2.561 %	0.420 %	0.232 %
Concentration RSD	58.9 %	1,470.6 %	78.0 %	30.4 %	81.3 %	138.4 %	5,054.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0013 ppm	0.0002 ppm	0.0003 ppm	0.0071 ppm	-0.0002 ppm	0.0012 ppm	-0.0009 ppm
Concentration per Run 1	0.0022 ppm	0.0001 ppm	0.0002 ppm	0.0051 ppm	-0.0006 ppm	0.0008 ppm	-0.0004 ppm
Concentration per Run 2	0.0011 ppm	0.0004 ppm	0.0005 ppm	0.0125 ppm	0.0000 ppm	0.0012 ppm	-0.0014 ppm
Concentration per Run 3	0.0005 ppm	0.0001 ppm	0.0003 ppm	0.0035 ppm	-0.0002 ppm	0.0014 ppm	-0.0010 ppm
Recovery Percentage 1	1.262 %	1.750 %	0.640 %	0.353 %	-0.995 %	11.700 %	-1.846 %
Concentration RSD	71.2 %	111.2 %	44.0 %	68.3 %	120.7 %	27.3 %	50.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	0.0004 ppm	0.0011 ppm	0.0003 ppm	0.0000 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run 1	-0.0016 ppm	0.0004 ppm	0.0013 ppm	0.0003 ppm	-0.0002 ppm	0.0014 ppm	0.0001 ppm
Concentration per Run 2	0.0032 ppm	0.0005 ppm	0.0016 ppm	0.0003 ppm	0.0001 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run 3	-0.0008 ppm	0.0004 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm
Recovery Percentage 1	2.665 %	0.089 %	2.172 %	2.822 %	-0.394 %	4.352 %	1.759 %
Concentration RSD	952.7 %	11.1 %	61.6 %	4.6 %	485.2 %	79.8 %	54.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	101.9872 %	95.6544 %	97.2331 %	104.9848 %	97.7983 %	98.9101 %
Concentration per Run 1	0.0001 ppm	101.9957 %	99.2010 %	97.6384 %	105.0957 %	98.2688 %	102.2740 %
Concentration per Run 2	0.0002 ppm	102.0102 %	98.6910 %	96.4190 %	104.6447 %	96.7792 %	101.9676 %
Concentration per Run 3	0.0001 ppm	101.9557 %	89.0712 %	97.6420 %	105.2141 %	98.3470 %	92.4886 %
Recovery Percentage 1	2.619 %						
Concentration RSD	53.0 %	0.0 %	6.0 %	0.7 %	0.3 %	0.9 %	5.6 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2114996-1 WG2114996
 Analysis started at: 9/18/2025 15:57:44
 Comments: <Comment>
 Rack: 1
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0041 ppm	0.0015 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0084 ppm
Concentration per Run 1	0.0003 ppm	0.0047 ppm	-0.0006 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0069 ppm
Concentration per Run 2	0.0003 ppm	0.0033 ppm	0.0030 ppm	0.0005 ppm	0.0003 ppm	0.0000 ppm	0.0050 ppm
Concentration per Run 3	0.0000 ppm	0.0044 ppm	0.0021 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0133 ppm
Concentration RSD	78.5 %	18.1 %	125.7 %	109.2 %	6.8 %	241.4 %	51.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0008 ppm	0.0043 ppm	0.0129 ppm	-0.0009 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0007 ppm	0.0052 ppm	0.0191 ppm	-0.0007 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0008 ppm	0.0034 ppm	0.0031 ppm	-0.0011 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0007 ppm	-0.0009 ppm	0.0043 ppm	0.0166 ppm	-0.0008 ppm
Concentration RSD	122.5 %	211.2 %	64.8 %	10.7 %	20.7 %	66.5 %	25.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0034 ppm	0.0001 ppm	0.0000 ppm	0.0384 ppm	-0.0007 ppm	0.0010 ppm	-0.0006 ppm
Concentration per Run 1	0.0024 ppm	0.0002 ppm	0.0001 ppm	0.0353 ppm	-0.0007 ppm	0.0011 ppm	0.0002 ppm
Concentration per Run 2	0.0040 ppm	0.0003 ppm	0.0001 ppm	0.0367 ppm	-0.0007 ppm	0.0007 ppm	-0.0013 ppm
Concentration per Run 3	0.0039 ppm	-0.0001 ppm	-0.0002 ppm	0.0432 ppm	-0.0006 ppm	0.0013 ppm	-0.0007 ppm
Concentration RSD	26.9 %	131.6 %	3,484.9 %	11.0 %	12.0 %	32.0 %	128.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	0.0194 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 1	-0.0019 ppm	0.0193 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 2	0.0011 ppm	0.0191 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run 3	0.0029 ppm	0.0198 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0005 ppm	-0.0001 ppm
Concentration RSD	345.5 %	1.7 %	205.5 %	25.8 %	277.2 %	137.1 %	845.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	104.1813 %	100.6382 %	99.3746 %	105.8743 %	99.7851 %	103.1642 %
Concentration per Run 1	0.0007 ppm	103.0295 %	100.7388 %	99.8029 %	103.7692 %	99.9145 %	103.0906 %
Concentration per Run 2	0.0006 ppm	108.1777 %	100.6140 %	99.3944 %	110.1052 %	99.9952 %	103.1763 %
Concentration per Run 3	0.0010 ppm	101.3366 %	100.5619 %	98.9265 %	103.7485 %	99.4456 %	103.2258 %
Concentration RSD	23.7 %	3.4 %	0.1 %	0.4 %	3.5 %	0.3 %	0.1 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2114996-2 WG2114996
 Analysis started at: 9/18/2025 16:02:16
 Comments: <Comment>
 Rack: 1
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0489 ppm	2.0259 ppm	0.1261 ppm	0.9463 ppm	1.9966 ppm	0.0507 ppm	10.0058 ppm
Concentration per Run 1	0.0485 ppm	2.0341 ppm	0.1260 ppm	0.9359 ppm	2.0043 ppm	0.0509 ppm	10.0604 ppm
Concentration per Run 2	0.0487 ppm	2.0299 ppm	0.1241 ppm	0.9281 ppm	2.0084 ppm	0.0509 ppm	10.0397 ppm
Concentration per Run 3	0.0494 ppm	2.0138 ppm	0.1281 ppm	0.9750 ppm	1.9772 ppm	0.0502 ppm	9.9175 ppm
Concentration RSD	1.0 %	0.5 %	1.6 %	2.7 %	0.8 %	0.8 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0548 ppm	0.4727 ppm	0.2098 ppm	0.2357 ppm	1.0257 ppm	10.2046 ppm	0.0005 ppm
Concentration per Run 1	0.0542 ppm	0.4679 ppm	0.2107 ppm	0.2360 ppm	1.0297 ppm	10.2337 ppm	0.0009 ppm
Concentration per Run 2	0.0539 ppm	0.4649 ppm	0.2093 ppm	0.2344 ppm	1.0288 ppm	10.2620 ppm	-0.0002 ppm
Concentration per Run 3	0.0563 ppm	0.4852 ppm	0.2094 ppm	0.2368 ppm	1.0185 ppm	10.1182 ppm	0.0009 ppm
Concentration RSD	2.4 %	2.3 %	0.4 %	0.5 %	0.6 %	0.7 %	124.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.6810 ppm	0.5075 ppm	0.9965 ppm	9.6866 ppm	0.5085 ppm	0.5505 ppm	0.4700 ppm
Concentration per Run 1	10.7061 ppm	0.5101 ppm	0.9838 ppm	9.7197 ppm	0.5033 ppm	0.5438 ppm	0.4635 ppm
Concentration per Run 2	10.6399 ppm	0.5113 ppm	0.9789 ppm	9.7393 ppm	0.4991 ppm	0.5420 ppm	0.4610 ppm
Concentration per Run 3	10.6970 ppm	0.5010 ppm	1.0268 ppm	9.6008 ppm	0.5233 ppm	0.5658 ppm	0.4854 ppm
Concentration RSD	0.3 %	1.1 %	2.6 %	0.8 %	2.5 %	2.4 %	2.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1184 ppm	1.0050 ppm	0.9666 ppm	0.9966 ppm	1.0538 ppm	0.1196 ppm	0.5329 ppm
Concentration per Run 1	0.1182 ppm	0.9949 ppm	0.9560 ppm	1.0007 ppm	1.0566 ppm	0.1181 ppm	0.5346 ppm
Concentration per Run 2	0.1149 ppm	0.9840 ppm	0.9492 ppm	1.0025 ppm	1.0526 ppm	0.1176 ppm	0.5326 ppm
Concentration per Run 3	0.1222 ppm	1.0361 ppm	0.9946 ppm	0.9865 ppm	1.0522 ppm	0.1231 ppm	0.5316 ppm
Concentration RSD	3.1 %	2.7 %	2.5 %	0.9 %	0.2 %	2.6 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5253 ppm	101.9621 %	97.2025 %	96.6645 %	106.2827 %	97.3309 %	101.9274 %
Concentration per Run 1	0.5187 ppm	101.1843 %	96.7330 %	97.7610 %	105.3484 %	98.4001 %	101.4082 %
Concentration per Run 2	0.5170 ppm	102.2757 %	97.1546 %	97.7679 %	106.2677 %	98.7244 %	101.8861 %
Concentration per Run 3	0.5401 ppm	102.4265 %	97.7199 %	94.4648 %	107.2321 %	94.8683 %	102.4881 %
Concentration RSD	2.4 %	0.7 %	0.5 %	2.0 %	0.9 %	2.2 %	0.5 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556676-10 WG2114996
 Analysis started at: 9/18/2025 16:06:28
 Comments: <Comment>
 Rack: 1
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0034 ppm	-0.0002 ppm	0.0030 ppm	0.0023 ppm	0.0000 ppm	8.0789 ppm
Concentration per Run 1	0.0003 ppm	-0.0011 ppm	-0.0009 ppm	0.0027 ppm	0.0023 ppm	0.0000 ppm	8.2402 ppm
Concentration per Run 2	0.0003 ppm	0.0075 ppm	0.0002 ppm	0.0032 ppm	0.0024 ppm	0.0000 ppm	7.9708 ppm
Concentration per Run 3	0.0003 ppm	0.0039 ppm	0.0001 ppm	0.0030 ppm	0.0024 ppm	0.0000 ppm	8.0257 ppm
Concentration RSD	5.3 %	127.5 %	292.3 %	9.7 %	1.9 %	505.6 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0004 ppm	0.0002 ppm	-0.0011 ppm	0.9529 ppm	0.9496 ppm	0.0018 ppm
Concentration per Run 1	0.0000 ppm	-0.0004 ppm	0.0002 ppm	-0.0015 ppm	0.9769 ppm	0.9714 ppm	0.0019 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0004 ppm	-0.0009 ppm	0.9376 ppm	0.9307 ppm	0.0022 ppm
Concentration per Run 3	0.0000 ppm	-0.0004 ppm	0.0001 ppm	-0.0009 ppm	0.9443 ppm	0.9468 ppm	0.0013 ppm
Concentration RSD	20.9 %	21.5 %	71.8 %	32.6 %	2.2 %	2.2 %	25.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.6010 ppm	0.0291 ppm	0.0009 ppm	5.7486 ppm	-0.0008 ppm	0.0051 ppm	0.0004 ppm
Concentration per Run 1	3.7381 ppm	0.0298 ppm	0.0009 ppm	5.8537 ppm	-0.0008 ppm	0.0043 ppm	0.0018 ppm
Concentration per Run 2	3.5250 ppm	0.0286 ppm	0.0010 ppm	5.6845 ppm	-0.0005 ppm	0.0060 ppm	-0.0005 ppm
Concentration per Run 3	3.5399 ppm	0.0288 ppm	0.0008 ppm	5.7076 ppm	-0.0011 ppm	0.0051 ppm	-0.0002 ppm
Concentration RSD	3.3 %	2.0 %	9.4 %	1.6 %	34.8 %	16.4 %	351.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	12.5554 ppm	0.0010 ppm	0.0386 ppm	0.0005 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	0.0021 ppm	12.4788 ppm	0.0006 ppm	0.0394 ppm	0.0006 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 2	0.0007 ppm	12.5745 ppm	0.0010 ppm	0.0381 ppm	0.0005 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 3	-0.0009 ppm	12.6131 ppm	0.0013 ppm	0.0382 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm
Concentration RSD	246.0 %	0.6 %	33.4 %	1.9 %	25.1 %	26.6 %	58.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	104.7358 %	96.4452 %	97.3540 %	107.9744 %	98.9413 %	100.6256 %
Concentration per Run 1	0.0013 ppm	102.9150 %	93.2017 %	97.9449 %	105.6715 %	99.4377 %	97.2833 %
Concentration per Run 2	0.0010 ppm	106.0576 %	98.1622 %	97.4060 %	109.6119 %	98.7419 %	102.2957 %
Concentration per Run 3	0.0009 ppm	105.2350 %	97.9717 %	96.7110 %	108.6398 %	98.6443 %	102.2978 %
Concentration RSD	20.4 %	1.6 %	2.9 %	0.6 %	1.9 %	0.4 %	2.9 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2114996-7 WG2114996
 Analysis started at: 9/18/2025 16:10:56
 Comments: <Comment>
 Rack: 1
 Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0515 ppm	2.0975 ppm	0.1314 ppm	1.0082 ppm	2.0721 ppm	0.0530 ppm	18.5268 ppm
Concentration per Run 1	0.0514 ppm	1.9937 ppm	0.1355 ppm	1.0139 ppm	1.9674 ppm	0.0502 ppm	17.6140 ppm
Concentration per Run 2	0.0514 ppm	2.2465 ppm	0.1313 ppm	1.0096 ppm	2.2218 ppm	0.0569 ppm	19.8756 ppm
Concentration per Run 3	0.0516 ppm	2.0523 ppm	0.1274 ppm	1.0009 ppm	2.0270 ppm	0.0518 ppm	18.0908 ppm
Concentration RSD	0.2 %	6.3 %	3.1 %	0.7 %	6.4 %	6.6 %	6.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0572 ppm	0.4904 ppm	0.2161 ppm	0.2465 ppm	2.0314 ppm	11.5211 ppm	0.0011 ppm
Concentration per Run 1	0.0576 ppm	0.4933 ppm	0.2157 ppm	0.2465 ppm	1.9247 ppm	10.9651 ppm	0.0013 ppm
Concentration per Run 2	0.0574 ppm	0.4919 ppm	0.2164 ppm	0.2459 ppm	2.1850 ppm	12.3969 ppm	0.0015 ppm
Concentration per Run 3	0.0566 ppm	0.4860 ppm	0.2163 ppm	0.2472 ppm	1.9844 ppm	11.2014 ppm	0.0004 ppm
Concentration RSD	1.0 %	0.8 %	0.2 %	0.3 %	6.7 %	6.7 %	55.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.7056 ppm	0.5525 ppm	1.0365 ppm	15.9896 ppm	0.5282 ppm	0.5746 ppm	0.4917 ppm
Concentration per Run 1	14.6991 ppm	0.5235 ppm	1.0416 ppm	15.2001 ppm	0.5320 ppm	0.5795 ppm	0.4932 ppm
Concentration per Run 2	14.6760 ppm	0.5930 ppm	1.0387 ppm	17.1174 ppm	0.5287 ppm	0.5754 ppm	0.4933 ppm
Concentration per Run 3	14.7416 ppm	0.5410 ppm	1.0291 ppm	15.6513 ppm	0.5238 ppm	0.5689 ppm	0.4887 ppm
Concentration RSD	0.2 %	6.5 %	0.6 %	6.3 %	0.8 %	0.9 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1261 ppm	14.5145 ppm	1.0059 {SIC 20}	1.0725 ppm	1.0874 ppm	0.1244 ppm	0.5489 ppm
Concentration per Run 1	0.1277 ppm	14.6052 ppm	1.0100 ppm	1.0177 ppm	1.0868 ppm	0.1257 ppm	0.5495 ppm
Concentration per Run 2	0.1264 ppm	14.5319 ppm	1.0098 ppm	1.1504 ppm	1.0861 ppm	0.1251 ppm	0.5477 ppm
Concentration per Run 3	0.1241 ppm	14.4062 ppm	0.9978 ppm	1.0493 ppm	1.0893 ppm	0.1224 ppm	0.5497 ppm
Concentration RSD	1.4 %	0.7 %	0.7 %	6.5 %	0.2 %	1.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5504 ppm	101.1545 %	95.4695 %	93.5060 %	105.6257 %	94.1960 %	100.5086 %
Concentration per Run 1	0.5543 ppm	106.3944 %	95.4118 %	93.0416 %	110.5173 %	93.7097 %	100.3382 %
Concentration per Run 2	0.5517 ppm	93.9278 %	95.5731 %	93.4793 %	98.3413 %	93.8983 %	100.5939 %
Concentration per Run 3	0.5454 ppm	103.1412 %	95.4236 %	93.9972 %	108.0186 %	94.9799 %	100.5938 %
Concentration RSD	0.8 %	6.4 %	0.1 %	0.5 %	6.1 %	0.7 %	0.1 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2114996-8 WG2114996
 Analysis started at: 9/18/2025 16:15:08
 Comments: <Comment>
 Rack: 1
 Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0069 ppm	0.0003 ppm	0.0036 ppm	0.0023 ppm	0.0000 ppm	8.1111 ppm
Concentration per Run 1	0.0001 ppm	0.0082 ppm	0.0005 ppm	0.0039 ppm	0.0023 ppm	0.0000 ppm	8.2371 ppm
Concentration per Run 2	-0.0002 ppm	0.0061 ppm	0.0008 ppm	0.0040 ppm	0.0023 ppm	0.0000 ppm	8.1158 ppm
Concentration per Run 3	0.0004 ppm	0.0063 ppm	-0.0004 ppm	0.0029 ppm	0.0023 ppm	0.0000 ppm	7.9803 ppm
Concentration RSD	285.9 %	16.8 %	217.4 %	16.1 %	2.1 %	231.3 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0004 ppm	0.0004 ppm	-0.0011 ppm	0.9616 ppm	0.9723 ppm	0.0028 ppm
Concentration per Run 1	-0.0001 ppm	-0.0002 ppm	0.0005 ppm	-0.0013 ppm	0.9773 ppm	0.9749 ppm	0.0029 ppm
Concentration per Run 2	0.0000 ppm	-0.0005 ppm	0.0004 ppm	-0.0007 ppm	0.9611 ppm	0.9691 ppm	0.0036 ppm
Concentration per Run 3	-0.0001 ppm	-0.0005 ppm	0.0005 ppm	-0.0014 ppm	0.9464 ppm	0.9729 ppm	0.0017 ppm
Concentration RSD	41.5 %	46.8 %	9.0 %	36.3 %	1.6 %	0.3 %	35.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.7382 ppm	0.0297 ppm	0.0012 ppm	5.7846 ppm	-0.0013 ppm	0.0044 ppm	0.0006 ppm
Concentration per Run 1	3.7663 ppm	0.0303 ppm	0.0013 ppm	5.8805 ppm	-0.0013 ppm	0.0044 ppm	0.0007 ppm
Concentration per Run 2	3.5865 ppm	0.0292 ppm	0.0012 ppm	5.7851 ppm	-0.0011 ppm	0.0044 ppm	0.0001 ppm
Concentration per Run 3	3.8618 ppm	0.0297 ppm	0.0010 ppm	5.6883 ppm	-0.0015 ppm	0.0045 ppm	0.0011 ppm
Concentration RSD	3.7 %	1.8 %	12.8 %	1.7 %	15.6 %	1.8 %	81.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	12.8014 ppm	0.0011 ppm	0.0390 ppm	0.0002 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run 1	0.0010 ppm	12.7451 ppm	0.0017 ppm	0.0395 ppm	0.0003 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 2	0.0004 ppm	12.8773 ppm	0.0007 ppm	0.0392 ppm	0.0002 ppm	0.0014 ppm	-0.0002 ppm
Concentration per Run 3	0.0007 ppm	12.7818 ppm	0.0009 ppm	0.0384 ppm	0.0001 ppm	0.0003 ppm	0.0003 ppm
Concentration RSD	41.4 %	0.5 %	45.8 %	1.4 %	37.9 %	137.8 %	304.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0007 ppm	104.5495 %	94.1329 %	96.2746 %	107.7975 %	97.9707 %	98.3344 %
Concentration per Run 1	0.0008 ppm	103.3535 %	93.4873 %	97.0666 %	105.9238 %	98.7476 %	97.2158 %
Concentration per Run 2	0.0006 ppm	104.5687 %	97.5635 %	95.5317 %	108.1041 %	97.2830 %	101.9846 %
Concentration per Run 3	0.0007 ppm	105.7262 %	91.3479 %	96.2254 %	109.3644 %	97.8815 %	95.8028 %
Concentration RSD	16.4 %	1.1 %	3.4 %	0.8 %	1.6 %	0.8 %	3.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2114996-9 WG2114996
 Analysis started at: 9/18/2025 16:19:36
 Comments: <Comment>
 Rack: 1
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0465 ppm	2.0324 ppm	0.1274 ppm	0.9530 ppm	1.9960 ppm	0.0508 ppm	17.7004 ppm
Concentration per Run 1	0.0471 ppm	2.0356 ppm	0.1263 ppm	0.9555 ppm	1.9874 ppm	0.0506 ppm	17.6671 ppm
Concentration per Run 2	0.0434 ppm	2.0816 ppm	0.1286 ppm	0.9563 ppm	2.0470 ppm	0.0522 ppm	18.1565 ppm
Concentration per Run 3	0.0492 ppm	1.9800 ppm	0.1273 ppm	0.9471 ppm	1.9538 ppm	0.0496 ppm	17.2775 ppm
Concentration RSD	6.3 %	2.5 %	0.9 %	0.5 %	2.4 %	2.6 %	2.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0547 ppm	0.4655 ppm	0.2064 ppm	0.2340 ppm	1.9524 ppm	11.0071 ppm	0.0018 ppm
Concentration per Run 1	0.0549 ppm	0.4674 ppm	0.2084 ppm	0.2353 ppm	1.9433 ppm	10.9604 ppm	0.0027 ppm
Concentration per Run 2	0.0548 ppm	0.4670 ppm	0.1929 ppm	0.2190 ppm	2.0104 ppm	11.3311 ppm	0.0018 ppm
Concentration per Run 3	0.0543 ppm	0.4620 ppm	0.2180 ppm	0.2478 ppm	1.9034 ppm	10.7298 ppm	0.0010 ppm
Concentration RSD	0.6 %	0.7 %	6.1 %	6.2 %	2.8 %	2.8 %	48.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	13.8896 ppm	0.5309 ppm	0.9753 ppm	15.3038 ppm	0.5010 ppm	0.5454 ppm	0.4600 ppm
Concentration per Run 1	13.9808 ppm	0.5295 ppm	0.9769 ppm	15.2431 ppm	0.5033 ppm	0.5461 ppm	0.4596 ppm
Concentration per Run 2	12.9929 ppm	0.5453 ppm	0.9795 ppm	15.7138 ppm	0.5028 ppm	0.5483 ppm	0.4622 ppm
Concentration per Run 3	14.6950 ppm	0.5179 ppm	0.9694 ppm	14.9545 ppm	0.4969 ppm	0.5418 ppm	0.4581 ppm
Concentration RSD	6.2 %	2.6 %	0.5 %	2.5 %	0.7 %	0.6 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1212 ppm	13.6306 ppm	0.9584 ppm	1.0297 ppm	1.0271 ppm	0.1170 ppm	0.5232 ppm
Concentration per Run 1	0.1227 ppm	13.6716 ppm	0.9624 ppm	1.0260 ppm	1.0325 ppm	0.1175 ppm	0.5261 ppm
Concentration per Run 2	0.1224 ppm	13.6836 ppm	0.9624 ppm	1.0565 ppm	0.9607 ppm	0.1169 ppm	0.4901 ppm
Concentration per Run 3	0.1183 ppm	13.5366 ppm	0.9505 ppm	1.0066 ppm	1.0883 ppm	0.1167 ppm	0.5536 ppm
Concentration RSD	2.0 %	0.6 %	0.7 %	2.4 %	6.2 %	0.3 %	6.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5258 ppm	101.5791 %	95.9389 %	93.6392 %	105.3802 %	94.6900 %	97.8922 %
Concentration per Run 1	0.5285 ppm	102.6831 %	95.4200 %	93.9210 %	105.6127 %	94.3315 %	100.3164 %
Concentration per Run 2	0.5271 ppm	98.2354 %	101.6091 %	93.2747 %	102.3508 %	94.4378 %	N/A
Concentration per Run 3	0.5219 ppm	103.8186 %	90.7876 %	93.7219 %	108.1770 %	95.3007 %	95.4680 %
Concentration RSD	0.7 %	2.9 %	5.7 %	0.4 %	2.8 %	0.6 %	3.5 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2114996-10d5 WG2114996
 Analysis started at: 9/18/2025 16:23:49
 Comments: <Comment>
 Rack: 1
 Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0016 ppm	-0.0022 ppm	0.0022 ppm	0.0006 ppm	0.0000 ppm	1.5243 ppm
Concentration per Run 1	0.0006 ppm	0.0050 ppm	-0.0018 ppm	0.0021 ppm	0.0006 ppm	0.0000 ppm	1.5482 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	-0.0027 ppm	0.0024 ppm	0.0005 ppm	0.0000 ppm	1.5086 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	-0.0022 ppm	0.0019 ppm	0.0006 ppm	0.0000 ppm	1.5160 ppm
Concentration RSD	222.0 %	178.6 %	21.8 %	12.1 %	8.5 %	67.3 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0003 ppm	-0.0008 ppm	0.1830 ppm	0.2045 ppm	0.0010 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0011 ppm	0.1848 ppm	0.2052 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0004 ppm	0.1816 ppm	0.2114 ppm	0.0010 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	0.0002 ppm	-0.0008 ppm	0.1826 ppm	0.1967 ppm	0.0018 ppm
Concentration RSD	116.5 %	102.8 %	41.2 %	44.1 %	0.9 %	3.6 %	82.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.6755 ppm	0.0057 ppm	0.0010 ppm	1.0802 ppm	-0.0005 ppm	0.0020 ppm	0.0014 ppm
Concentration per Run 1	0.6650 ppm	0.0059 ppm	0.0012 ppm	1.0929 ppm	-0.0003 ppm	0.0016 ppm	0.0015 ppm
Concentration per Run 2	0.6653 ppm	0.0056 ppm	0.0010 ppm	1.0727 ppm	-0.0006 ppm	0.0019 ppm	0.0007 ppm
Concentration per Run 3	0.6961 ppm	0.0056 ppm	0.0008 ppm	1.0750 ppm	-0.0006 ppm	0.0024 ppm	0.0019 ppm
Concentration RSD	2.6 %	3.2 %	18.7 %	1.0 %	40.6 %	19.5 %	43.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0014 ppm	2.4555 ppm	0.0018 ppm	0.0075 ppm	0.0001 ppm	0.0004 ppm	0.0003 ppm
Concentration per Run 1	-0.0013 ppm	2.3494 ppm	0.0020 ppm	0.0077 ppm	0.0003 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run 2	0.0005 ppm	2.5080 ppm	0.0021 ppm	0.0074 ppm	0.0003 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run 3	-0.0036 ppm	2.5092 ppm	0.0015 ppm	0.0074 ppm	-0.0002 ppm	-0.0002 ppm	0.0004 ppm
Concentration RSD	139.7 %	3.7 %	18.9 %	2.3 %	247.2 %	129.2 %	45.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	102.0660 %	97.9220 %	95.1195 %	106.2646 %	97.4980 %	103.0429 %
Concentration per Run 1	0.0007 ppm	100.7380 %	98.9815 %	97.8380 %	104.6505 %	100.0506 %	104.0970 %
Concentration per Run 2	0.0005 ppm	102.9371 %	99.3606 %	93.0445 %	107.1992 %	95.3444 %	104.5388 %
Concentration per Run 3	0.0006 ppm	102.5230 %	95.4238 %	94.4760 %	106.9439 %	97.0989 %	100.4928 %
Concentration RSD	16.0 %	1.1 %	2.2 %	2.6 %	1.3 %	2.4 %	2.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2557403-01 WG2114996
 Analysis started at: 9/18/2025 16:28:19
 Comments: <Comment>
 Rack: 1
 Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0193 ppm	0.0051 ppm	0.0763 ppm	0.1676 ppm	-0.0001 ppm	294.8808 ppm
Concentration per Run 1	0.0000 ppm	0.0189 ppm	0.0068 ppm	0.0762 ppm	0.1678 ppm	-0.0001 ppm	297.1020 ppm
Concentration per Run 2	-0.0002 ppm	0.0186 ppm	0.0017 ppm	0.0768 ppm	0.1673 ppm	-0.0001 ppm	294.7010 ppm
Concentration per Run 3	-0.0005 ppm	0.0204 ppm	0.0070 ppm	0.0760 ppm	0.1678 ppm	-0.0001 ppm	292.8394 ppm
Concentration RSD	112.7 %	5.1 %	58.7 %	0.6 %	0.2 %	13.8 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0124 ppm	0.0012 ppm	0.0012 ppm	1.8605 ppm	10.4194 ppm	0.0795 ppm
Concentration per Run 1	-0.0001 ppm	0.0125 ppm	0.0012 ppm	0.0013 ppm	1.8654 ppm	10.4427 ppm	0.0804 ppm
Concentration per Run 2	0.0000 ppm	0.0125 ppm	0.0012 ppm	0.0015 ppm	1.8532 ppm	10.3863 ppm	0.0789 ppm
Concentration per Run 3	-0.0001 ppm	0.0122 ppm	0.0013 ppm	0.0008 ppm	1.8630 ppm	10.4292 ppm	0.0792 ppm
Concentration RSD	102.7 %	1.1 %	6.7 %	27.7 %	0.3 %	0.3 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	196.3917 ppm	1.8245 ppm	0.0066 ppm	676.0268 [SIC 500]	0.0265 ppm	0.0102 ppm	-0.0006 ppm
Concentration per Run 1	191.0103 ppm	1.8308 ppm	0.0063 ppm	682.7480 ppm	0.0264 ppm	0.0097 ppm	-0.0016 ppm
Concentration per Run 2	188.4820 ppm	1.8217 ppm	0.0066 ppm	684.7951 ppm	0.0267 ppm	0.0102 ppm	0.0013 ppm
Concentration per Run 3	209.6828 ppm	1.8210 ppm	0.0068 ppm	660.5373 ppm	0.0265 ppm	0.0108 ppm	-0.0014 ppm
Concentration RSD	5.9 %	0.3 %	3.6 %	2.0 %	0.6 %	5.0 %	298.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	20.5487 [SIC 200]	0.0025 ppm	1.2386 ppm	0.0019 ppm	0.0008 ppm	0.0011 ppm
Concentration per Run 1	-0.0013 ppm	20.7244 ppm	0.0016 ppm	1.2436 ppm	0.0022 ppm	0.0002 ppm	0.0014 ppm
Concentration per Run 2	0.0028 ppm	20.4426 ppm	0.0033 ppm	1.2334 ppm	0.0016 ppm	0.0021 ppm	0.0011 ppm
Concentration per Run 3	-0.0008 ppm	20.4790 ppm	0.0026 ppm	1.2386 ppm	0.0018 ppm	0.0002 ppm	0.0008 ppm
Concentration RSD	946.4 %	0.7 %	32.6 %	0.4 %	14.8 %	133.7 %	27.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0798 ppm	98.4213 %	81.3829 %	83.4958 %	103.5051 %	75.7036 %	86.3757 %
Concentration per Run 1	0.0803 ppm	98.6195 %	84.1400 %	83.5390 %	103.2229 %	75.3301 %	89.2660 %
Concentration per Run 2	0.0793 ppm	98.2288 %	84.6986 %	83.4267 %	103.3563 %	75.9824 %	89.9130 %
Concentration per Run 3	0.0797 ppm	98.4155 %	75.3100 %	83.5216 %	103.9360 %	75.7981 %	79.9481 %
Concentration RSD	0.6 %	0.2 %	6.5 %	0.1 %	0.4 %	0.4 %	6.5 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2557403-02 WG2114996
 Analysis started at: 9/18/2025 16:33:14
 Comments: <Comment>
 Rack: 1
 Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0138 ppm	0.0109 ppm	0.0439 ppm	0.0537 ppm	0.0000 ppm	228.3021 ppm
Concentration per Run 1	0.0001 ppm	0.0058 ppm	0.0114 ppm	0.0450 ppm	0.0539 ppm	0.0000 ppm	229.4640 ppm
Concentration per Run 2	0.0002 ppm	0.0146 ppm	0.0108 ppm	0.0431 ppm	0.0539 ppm	-0.0001 ppm	228.8529 ppm
Concentration per Run 3	-0.0003 ppm	0.0210 ppm	0.0105 ppm	0.0436 ppm	0.0532 ppm	0.0000 ppm	226.5894 ppm
Concentration RSD	1,690.7 %	55.2 %	3.9 %	2.2 %	0.7 %	34.2 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0021 ppm	0.0015 ppm	0.0008 ppm	1.8180 ppm	4.7082 ppm	0.0505 ppm
Concentration per Run 1	0.0000 ppm	0.0024 ppm	0.0013 ppm	0.0009 ppm	1.8372 ppm	4.7122 ppm	0.0501 ppm
Concentration per Run 2	-0.0002 ppm	0.0021 ppm	0.0016 ppm	0.0006 ppm	1.8115 ppm	4.7195 ppm	0.0492 ppm
Concentration per Run 3	0.0000 ppm	0.0018 ppm	0.0015 ppm	0.0008 ppm	1.8054 ppm	4.6930 ppm	0.0521 ppm
Concentration RSD	90.4 %	14.0 %	11.0 %	16.4 %	0.9 %	0.3 %	3.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	171.4529 ppm	0.5123 ppm	0.0054 ppm	250.7670 ppm	0.0031 ppm	0.0061 ppm	-0.0013 ppm
Concentration per Run 1	171.8253 ppm	0.5168 ppm	0.0057 ppm	251.9168 ppm	0.0034 ppm	0.0066 ppm	-0.0012 ppm
Concentration per Run 2	172.1285 ppm	0.5116 ppm	0.0051 ppm	252.2734 ppm	0.0034 ppm	0.0058 ppm	-0.0004 ppm
Concentration per Run 3	170.4047 ppm	0.5084 ppm	0.0054 ppm	248.1106 ppm	0.0025 ppm	0.0058 ppm	-0.0021 ppm
Concentration RSD	0.5 %	0.8 %	5.8 %	0.9 %	16.5 %	7.7 %	67.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	11.6656 ppm	0.0009 ppm	1.0111 ppm	0.0013 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 1	0.0035 ppm	11.8885 ppm	0.0015 ppm	1.0183 ppm	0.0007 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 2	-0.0006 ppm	11.5339 ppm	0.0002 ppm	1.0089 ppm	0.0014 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 3	0.0004 ppm	11.5746 ppm	0.0010 ppm	1.0061 ppm	0.0016 ppm	0.0014 ppm	-0.0001 ppm
Concentration RSD	193.3 %	1.7 %	76.8 %	0.6 %	37.9 %	176.6 %	567.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0052 ppm	98.8981 %	87.5002 %	85.4639 %	103.1672 %	79.9674 %	92.4554 %
Concentration per Run 1	0.0054 ppm	98.4862 %	87.6275 %	84.1611 %	102.1472 %	78.6949 %	92.6318 %
Concentration per Run 2	0.0048 ppm	99.0558 %	86.9391 %	86.0517 %	103.5679 %	80.7187 %	91.7394 %
Concentration per Run 3	0.0052 ppm	99.1524 %	87.9340 %	86.1788 %	103.7866 %	80.4885 %	92.9950 %
Concentration RSD	5.6 %	0.4 %	0.6 %	1.3 %	0.9 %	1.4 %	0.7 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCV
 Analysis started at: 9/18/2025 16:41:36
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4661 ppm	0.4926 ppm	0.5093 ppm	0.4710 ppm	0.4942 ppm	0.5052 ppm	0.4979 ppm
Concentration per Run 1	0.4673 ppm	0.4927 ppm	0.5016 ppm	0.4632 ppm	0.4962 ppm	0.5077 ppm	0.4992 ppm
Concentration per Run 2	0.4655 ppm	0.5026 ppm	0.5160 ppm	0.4799 ppm	0.4982 ppm	0.5089 ppm	0.5018 ppm
Concentration per Run 3	0.4653 ppm	0.4824 ppm	0.5103 ppm	0.4698 ppm	0.4882 ppm	0.4990 ppm	0.4928 ppm
Recovery Percentage 1	93.211 %	98.514 %	101.857 %	94.192 %	98.842 %	101.039 %	99.588 %
Concentration RSD	0.2 %	2.0 %	1.4 %	1.8 %	1.1 %	1.1 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5267 ppm	0.4880 ppm	0.5369 ppm	0.4776 ppm	0.5354 ppm	5.1104 ppm	0.4984 ppm
Concentration per Run 1	0.5191 ppm	0.4808 ppm	0.5391 ppm	0.4790 ppm	0.5362 ppm	5.1439 ppm	0.5017 ppm
Concentration per Run 2	0.5367 ppm	0.4977 ppm	0.5345 ppm	0.4758 ppm	0.5389 ppm	5.1471 ppm	0.5009 ppm
Concentration per Run 3	0.5241 ppm	0.4856 ppm	0.5373 ppm	0.4780 ppm	0.5309 ppm	5.0403 ppm	0.4925 ppm
Recovery Percentage 1	105.332 %	97.604 %	107.388 %	95.515 %	107.072 %	102.208 %	99.674 %
Concentration RSD	1.7 %	1.8 %	0.4 %	0.3 %	0.8 %	1.2 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5416 ppm	0.5159 ppm	0.5002 ppm	9.4578 ppm	0.5230 ppm	0.5295 ppm	0.4774 ppm
Concentration per Run 1	0.5417 ppm	0.5173 ppm	0.4919 ppm	9.5136 ppm	0.5154 ppm	0.5213 ppm	0.4699 ppm
Concentration per Run 2	0.5383 ppm	0.5210 ppm	0.5100 ppm	9.5191 ppm	0.5329 ppm	0.5391 ppm	0.4871 ppm
Concentration per Run 3	0.5448 ppm	0.5093 ppm	0.4987 ppm	9.3408 ppm	0.5207 ppm	0.5282 ppm	0.4753 ppm
Recovery Percentage 1	108.321 %	103.173 %	100.041 %	94.578 %	104.597 %	105.907 %	95.486 %
Concentration RSD	0.6 %	1.2 %	1.8 %	1.1 %	1.7 %	1.7 %	1.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4942 ppm	5.4293 ppm	0.4939 ppm	0.5014 ppm	0.5292 ppm	0.4949 ppm	0.5398 ppm
Concentration per Run 1	0.4874 ppm	5.3344 ppm	0.4854 ppm	0.5033 ppm	0.5312 ppm	0.4867 ppm	0.5414 ppm
Concentration per Run 2	0.5038 ppm	5.5371 ppm	0.5034 ppm	0.5048 ppm	0.5265 ppm	0.5044 ppm	0.5373 ppm
Concentration per Run 3	0.4914 ppm	5.4162 ppm	0.4930 ppm	0.4961 ppm	0.5298 ppm	0.4937 ppm	0.5405 ppm
Recovery Percentage 1	98.839 %	103.414 %	98.784 %	100.283 %	105.830 %	98.982 %	107.951 %
Concentration RSD	1.7 %	1.9 %	1.8 %	0.9 %	0.5 %	1.8 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5441 ppm	98.8336 %	95.8670 %	93.9602 %	103.4814 %	95.6402 %	101.4287 %
Concentration per Run 1	0.5366 ppm	98.5744 %	95.7156 %	95.1944 %	102.9998 %	97.0289 %	101.2664 %
Concentration per Run 2	0.5542 ppm	97.6833 %	96.3796 %	92.4415 %	102.3324 %	93.9001 %	101.9236 %
Concentration per Run 3	0.5416 ppm	100.2432 %	95.5058 %	94.2449 %	105.1119 %	95.9916 %	101.0962 %
Recovery Percentage 1	108.825 %						
Concentration RSD	1.7 %	1.3 %	0.5 %	1.5 %	1.4 %	1.7 %	0.4 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCB
Analysis started at: 9/18/2025 16:45:49
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	0.0041 ppm	-0.0005 ppm	0.0008 ppm	0.0003 ppm	0.0000 ppm	-0.0016 ppm
Concentration per Run 1	0.0000 ppm	0.0089 ppm	-0.0018 ppm	0.0007 ppm	0.0004 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 2	0.0008 ppm	0.0047 ppm	0.0014 ppm	0.0009 ppm	0.0004 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run 3	0.0004 ppm	-0.0013 ppm	-0.0009 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	-0.0032 ppm
Recovery Percentage 1	7.546 %	4.121 %	-9.061 %	2.752 %	3.292 %	0.468 %	-1.624 %
Concentration RSD	103.8 %	124.5 %	364.1 %	13.8 %	25.5 %	17.1 %	118.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0009 ppm	0.0013 ppm	0.0530 ppm	0.0014 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0011 ppm	0.0001 ppm	0.0769 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0002 ppm	-0.0009 ppm	0.0019 ppm	0.0511 ppm	0.0015 ppm
Concentration per Run 3	-0.0001 ppm	0.0004 ppm	0.0000 ppm	-0.0007 ppm	0.0019 ppm	0.0308 ppm	0.0026 ppm
Recovery Percentage 1	-1.938 %	0.805 %	1.452 %	-9.103 %	2.597 %	2.118 %	13.767 %
Concentration RSD	62.0 %	322.8 %	104.4 %	17.9 %	83.0 %	43.7 %	95.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0011 ppm	0.0000 ppm	0.0002 ppm	0.0672 ppm	-0.0007 ppm	0.0007 ppm	-0.0002 ppm
Concentration per Run 1	0.0020 ppm	0.0000 ppm	0.0003 ppm	0.0670 ppm	-0.0005 ppm	0.0003 ppm	-0.0006 ppm
Concentration per Run 2	0.0011 ppm	-0.0001 ppm	0.0004 ppm	0.0632 ppm	-0.0006 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 3	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0715 ppm	-0.0010 ppm	0.0019 ppm	-0.0002 ppm
Recovery Percentage 1	1.120 %	-0.276 %	0.424 %	3.362 %	-2.658 %	6.985 %	-0.344 %
Concentration RSD	74.8 %	136.6 %	102.9 %	6.2 %	39.7 %	152.5 %	218.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	0.0007 ppm	0.0006 ppm	0.0003 ppm	-0.0001 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 1	-0.0013 ppm	-0.0001 ppm	0.0012 ppm	0.0003 ppm	0.0001 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run 2	-0.0004 ppm	0.0004 ppm	0.0006 ppm	0.0003 ppm	-0.0003 ppm	-0.0012 ppm	0.0000 ppm
Concentration per Run 3	-0.0006 ppm	0.0019 ppm	-0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0013 ppm	0.0001 ppm
Recovery Percentage 1	-7.480 %	0.147 %	1.116 %	3.111 %	-0.687 %	2.580 %	1.078 %
Concentration RSD	62.4 %	143.5 %	124.1 %	26.5 %	242.9 %	281.0 %	147.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	99.9568 %	97.7929 %	95.0471 %	102.4268 %	96.3031 %	101.4534 %
Concentration per Run 1	0.0003 ppm	99.2439 %	97.6262 %	96.3414 %	101.0337 %	97.4131 %	101.0984 %
Concentration per Run 2	0.0004 ppm	99.9801 %	97.2321 %	95.7908 %	102.5742 %	97.2486 %	100.6524 %
Concentration per Run 3	0.0004 ppm	100.6464 %	98.5204 %	93.0090 %	103.6724 %	94.2475 %	102.6093 %
Recovery Percentage 1	6.871 %						
Concentration RSD	19.5 %	0.7 %	0.7 %	1.9 %	1.3 %	1.9 %	1.0 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: eL2557403-01d5 WG2114996
 Analysis started at: 9/18/2025 17:05:19
 Comments: <Comment>
 Rack: 1
 Vial: 42

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0029 ppm	0.0006 ppm	0.0149 ppm	0.0322 ppm	0.0000 ppm	58.4395 ppm
Concentration per Run 1	0.0001 ppm	-0.0009 ppm	0.0015 ppm	0.0141 ppm	0.0328 ppm	-0.0001 ppm	59.3765 ppm
Concentration per Run 2	0.0002 ppm	0.0079 ppm	-0.0001 ppm	0.0153 ppm	0.0314 ppm	0.0000 ppm	56.9132 ppm
Concentration per Run 3	-0.0001 ppm	0.0017 ppm	0.0005 ppm	0.0151 ppm	0.0325 ppm	0.0001 ppm	59.0288 ppm
Concentration RSD	251.7 %	157.0 %	122.8 %	4.1 %	2.3 %	1,108.5 %	2.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0024 ppm	0.0008 ppm	-0.0002 ppm	0.3655 ppm	1.8862 ppm	0.0154 ppm
Concentration per Run 1	0.0000 ppm	0.0024 ppm	0.0008 ppm	-0.0003 ppm	0.3735 ppm	1.9310 ppm	0.0156 ppm
Concentration per Run 2	-0.0001 ppm	0.0024 ppm	0.0006 ppm	-0.0004 ppm	0.3554 ppm	1.8411 ppm	0.0153 ppm
Concentration per Run 3	-0.0001 ppm	0.0023 ppm	0.0009 ppm	0.0000 ppm	0.3677 ppm	1.8865 ppm	0.0152 ppm
Concentration RSD	67.3 %	1.4 %	23.3 %	82.0 %	2.5 %	2.4 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	36.7742 ppm	0.3584 ppm	0.0013 ppm	131.3764 ppm	0.0042 ppm	0.0032 ppm	-0.0013 ppm
Concentration per Run 1	36.7926 ppm	0.3640 ppm	0.0011 ppm	132.1318 ppm	0.0041 ppm	0.0031 ppm	-0.0018 ppm
Concentration per Run 2	36.7053 ppm	0.3484 ppm	0.0014 ppm	129.0885 ppm	0.0040 ppm	0.0022 ppm	-0.0015 ppm
Concentration per Run 3	36.8247 ppm	0.3629 ppm	0.0014 ppm	132.9089 ppm	0.0044 ppm	0.0043 ppm	-0.0005 ppm
Concentration RSD	0.2 %	2.4 %	11.3 %	1.5 %	4.3 %	33.2 %	54.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	3.6024 ppm	0.0012 ppm	0.2348 ppm	0.0006 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run 1	-0.0003 ppm	3.5320 ppm	0.0014 ppm	0.2383 ppm	0.0005 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 2	0.0016 ppm	3.5999 ppm	0.0007 ppm	0.2286 ppm	0.0006 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run 3	0.0000 ppm	3.6753 ppm	0.0017 ppm	0.2374 ppm	0.0007 ppm	0.0014 ppm	0.0001 ppm
Concentration RSD	237.8 %	2.0 %	39.6 %	2.3 %	14.6 %	317.2 %	309.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0157 ppm	99.5547 %	91.0843 %	91.0271 %	104.6864 %	88.0973 %	96.1514 %
Concentration per Run 1	0.0152 ppm	97.5733 %	90.8407 %	91.4939 %	103.5208 %	88.6929 %	95.9814 %
Concentration per Run 2	0.0157 ppm	102.0451 %	91.4654 %	90.7307 %	106.9662 %	87.9434 %	96.5322 %
Concentration per Run 3	0.0162 ppm	99.0457 %	90.9467 %	90.8568 %	103.5722 %	87.6557 %	95.9406 %
Concentration RSD	3.1 %	2.3 %	0.4 %	0.4 %	1.9 %	0.6 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCV
 Analysis started at: 9/18/2025 17:13:35
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4782 ppm	0.4963 ppm	0.5057 ppm	0.4700 ppm	0.4988 ppm	0.5096 ppm	0.4961 ppm
Concentration per Run 1	0.4717 ppm	0.5148 ppm	0.4928 ppm	0.4573 ppm	0.5151 ppm	0.5271 ppm	0.5147 ppm
Concentration per Run 2	0.4906 ppm	0.4901 ppm	0.5155 ppm	0.4784 ppm	0.4910 ppm	0.5011 ppm	0.4849 ppm
Concentration per Run 3	0.4724 ppm	0.4840 ppm	0.5088 ppm	0.4742 ppm	0.4902 ppm	0.5006 ppm	0.4888 ppm
Recovery Percentage 1	95.647 %	99.260 %	101.140 %	93.995 %	99.751 %	101.921 %	99.225 %
Concentration RSD	2.2 %	3.3 %	2.3 %	2.4 %	2.8 %	3.0 %	3.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5211 ppm	0.4848 ppm	0.5467 ppm	0.4907 ppm	0.5395 ppm	5.1317 ppm	0.5046 ppm
Concentration per Run 1	0.5085 ppm	0.4731 ppm	0.5400 ppm	0.4834 ppm	0.5570 ppm	5.2689 ppm	0.5213 ppm
Concentration per Run 2	0.5299 ppm	0.4930 ppm	0.5602 ppm	0.5028 ppm	0.5334 ppm	5.0583 ppm	0.4960 ppm
Concentration per Run 3	0.5250 ppm	0.4884 ppm	0.5399 ppm	0.4859 ppm	0.5282 ppm	5.0679 ppm	0.4965 ppm
Recovery Percentage 1	104.226 %	96.965 %	109.340 %	98.142 %	107.905 %	102.634 %	100.924 %
Concentration RSD	2.1 %	2.1 %	2.1 %	2.1 %	2.8 %	2.3 %	2.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5503 ppm	0.5209 ppm	0.4973 ppm	9.4851 ppm	0.5186 ppm	0.5275 ppm	0.4766 ppm
Concentration per Run 1	0.5435 ppm	0.5377 ppm	0.4845 ppm	9.7795 ppm	0.5066 ppm	0.5137 ppm	0.4661 ppm
Concentration per Run 2	0.5659 ppm	0.5132 ppm	0.5065 ppm	9.3600 ppm	0.5280 ppm	0.5377 ppm	0.4870 ppm
Concentration per Run 3	0.5414 ppm	0.5119 ppm	0.5010 ppm	9.3157 ppm	0.5214 ppm	0.5310 ppm	0.4766 ppm
Recovery Percentage 1	110.056 %	104.186 %	99.465 %	94.851 %	103.729 %	105.497 %	95.313 %
Concentration RSD	2.5 %	2.8 %	2.3 %	2.7 %	2.1 %	2.3 %	2.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4921 ppm	5.4149 ppm	0.4918 ppm	0.5082 ppm	0.5400 ppm	0.4958 ppm	0.5504 ppm
Concentration per Run 1	0.4793 ppm	5.2765 ppm	0.4787 ppm	0.5246 ppm	0.5333 ppm	0.4850 ppm	0.5437 ppm
Concentration per Run 2	0.5002 ppm	5.5206 ppm	0.5032 ppm	0.5005 ppm	0.5523 ppm	0.5056 ppm	0.5630 ppm
Concentration per Run 3	0.4966 ppm	5.4477 ppm	0.4933 ppm	0.4995 ppm	0.5342 ppm	0.4968 ppm	0.5444 ppm
Recovery Percentage 1	98.410 %	103.141 %	98.350 %	101.639 %	107.992 %	99.166 %	110.080 %
Concentration RSD	2.3 %	2.3 %	2.5 %	2.8 %	2.0 %	2.1 %	2.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5378 ppm	99.0768 %	94.5358 %	94.6700 %	103.9452 %	96.5937 %	100.0274 %
Concentration per Run 1	0.5251 ppm	96.4636 %	95.5610 %	96.7893 %	100.8953 %	98.8404 %	101.0793 %
Concentration per Run 2	0.5461 ppm	100.3798 %	92.4141 %	93.1672 %	105.2375 %	95.0999 %	97.7836 %
Concentration per Run 3	0.5423 ppm	100.3870 %	95.6322 %	94.0536 %	105.7029 %	95.8408 %	101.2192 %
Recovery Percentage 1	107.570 %						
Concentration RSD	2.1 %	2.3 %	1.9 %	2.0 %	2.6 %	2.1 %	1.9 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCB
Analysis started at: 9/18/2025 17:17:48
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0013 ppm	0.0007 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0031 ppm
Concentration per Run 1	0.0002 ppm	-0.0030 ppm	-0.0001 ppm	0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0027 ppm
Concentration per Run 2	0.0004 ppm	0.0010 ppm	-0.0003 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm	0.0073 ppm
Concentration per Run 3	-0.0002 ppm	0.0058 ppm	0.0026 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	-0.0008 ppm
Recovery Percentage 1	2.968 %	1.260 %	14.747 %	2.953 %	0.771 %	0.987 %	3.081 %
Concentration RSD	210.6 %	348.8 %	220.6 %	35.9 %	92.7 %	76.3 %	131.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0010 ppm	0.0011 ppm	0.0375 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0012 ppm	0.0011 ppm	0.0271 ppm	0.0006 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0011 ppm	0.0022 ppm	0.0375 ppm	0.0007 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0008 ppm	0.0000 ppm	0.0478 ppm	0.0002 ppm
Recovery Percentage 1	-1.046 %	-0.611 %	1.543 %	-10.370 %	2.238 %	1.499 %	5.000 %
Concentration RSD	58.8 %	144.1 %	105.4 %	24.5 %	99.5 %	27.6 %	55.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0004 ppm	0.0001 ppm	0.0002 ppm	0.0349 ppm	-0.0004 ppm	0.0013 ppm	-0.0004 ppm
Concentration per Run 1	-0.0004 ppm	0.0000 ppm	0.0004 ppm	0.0363 ppm	-0.0009 ppm	0.0021 ppm	-0.0002 ppm
Concentration per Run 2	0.0010 ppm	0.0000 ppm	0.0001 ppm	0.0424 ppm	0.0001 ppm	0.0006 ppm	-0.0005 ppm
Concentration per Run 3	-0.0017 ppm	0.0003 ppm	0.0001 ppm	0.0261 ppm	-0.0003 ppm	0.0013 ppm	-0.0005 ppm
Recovery Percentage 1	-0.357 %	1.046 %	0.353 %	1.746 %	-1.562 %	13.155 %	-0.798 %
Concentration RSD	372.6 %	173.7 %	108.0 %	23.6 %	128.5 %	56.1 %	43.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0003 ppm	-0.0001 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 1	-0.0002 ppm	-0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0001 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run 2	-0.0009 ppm	0.0000 ppm	0.0009 ppm	0.0003 ppm	-0.0004 ppm	0.0016 ppm	0.0002 ppm
Concentration per Run 3	0.0013 ppm	0.0003 ppm	0.0010 ppm	0.0003 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm
Recovery Percentage 1	0.816 %	0.011 %	1.656 %	3.110 %	-1.387 %	4.233 %	0.826 %
Concentration RSD	1,366.0 %	388.5 %	27.1 %	20.1 %	164.7 %	90.4 %	167.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	101.4018 %	96.6744 %	95.9006 %	104.4935 %	97.6296 %	100.1013 %
Concentration per Run 1	0.0002 ppm	99.0628 %	95.4978 %	96.7525 %	101.6162 %	98.7338 %	98.5238 %
Concentration per Run 2	0.0002 ppm	100.4297 %	97.4087 %	97.3666 %	103.7369 %	98.9621 %	101.0604 %
Concentration per Run 3	0.0003 ppm	104.7130 %	97.1166 %	93.5827 %	108.1274 %	95.1927 %	100.7198 %
Recovery Percentage 1	4.508 %						
Concentration RSD	16.7 %	2.9 %	1.1 %	2.1 %	3.2 %	2.2 %	1.4 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2113539-1 WG2113539
 Analysis started at: 9/18/2025 17:27:16
 Comments: <Comment>
 Rack: 1
 Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0094 ppm	-0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0160 ppm
Concentration per Run 1	0.0002 ppm	0.0095 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0191 ppm
Concentration per Run 2	0.0001 ppm	0.0096 ppm	0.0020 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0188 ppm
Concentration per Run 3	0.0001 ppm	0.0091 ppm	-0.0032 ppm	-0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0101 ppm
Concentration RSD	51.7 %	2.8 %	1,644.7 %	687.1 %	33.4 %	178.3 %	31.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0008 ppm	-0.0007 ppm	0.0311 ppm	0.0305 ppm	-0.0002 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0007 ppm	-0.0008 ppm	0.0320 ppm	0.0243 ppm	-0.0014 ppm
Concentration per Run 2	-0.0001 ppm	-0.0002 ppm	0.0008 ppm	-0.0010 ppm	0.0302 ppm	0.0427 ppm	0.0009 ppm
Concentration per Run 3	-0.0001 ppm	0.0004 ppm	0.0010 ppm	-0.0004 ppm	0.0312 ppm	0.0246 ppm	0.0000 ppm
Concentration RSD	24.3 %	202.6 %	20.3 %	41.8 %	2.8 %	34.6 %	677.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0068 ppm	0.0001 ppm	0.0001 ppm	0.0196 ppm	0.0004 ppm	0.0011 ppm	-0.0007 ppm
Concentration per Run 1	0.0063 ppm	0.0002 ppm	-0.0001 ppm	0.0257 ppm	0.0001 ppm	0.0014 ppm	-0.0004 ppm
Concentration per Run 2	0.0057 ppm	0.0000 ppm	0.0003 ppm	0.0168 ppm	0.0003 ppm	0.0008 ppm	-0.0013 ppm
Concentration per Run 3	0.0083 ppm	0.0002 ppm	0.0001 ppm	0.0164 ppm	0.0009 ppm	0.0010 ppm	-0.0003 ppm
Concentration RSD	19.7 %	65.7 %	148.2 %	26.7 %	104.5 %	28.9 %	82.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0016 ppm	0.0101 ppm	0.0007 ppm	0.0004 ppm	0.0002 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run 1	0.0011 ppm	0.0094 ppm	0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0014 ppm	0.0001 ppm
Concentration per Run 2	0.0021 ppm	0.0103 ppm	0.0017 ppm	0.0004 ppm	0.0003 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 3	0.0016 ppm	0.0106 ppm	0.0002 ppm	0.0004 ppm	0.0001 ppm	0.0005 ppm	-0.0001 ppm
Concentration RSD	30.8 %	6.2 %	128.5 %	3.8 %	66.5 %	54.1 %	605.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0029 ppm	102.6636 %	101.2098 %	97.3919 %	105.8543 %	100.5180 %	105.1619 %
Concentration per Run 1	0.0029 ppm	101.3593 %	98.6148 %	97.7750 %	103.9436 %	100.7602 %	102.2516 %
Concentration per Run 2	0.0027 ppm	102.1143 %	99.2368 %	97.5534 %	105.3969 %	100.6940 %	103.0417 %
Concentration per Run 3	0.0029 ppm	104.5174 %	105.7777 %	96.8473 %	108.2223 %	100.0997 %	110.1924 %
Concentration RSD	3.5 %	1.6 %	3.9 %	0.5 %	2.1 %	0.4 %	4.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2113539-2 WG2113539
 Analysis started at: 9/18/2025 17:31:49
 Comments: <Comment>
 Rack: 1
 Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0477 ppm	2.0890 ppm	0.1312 ppm	0.9554 ppm	2.0292 ppm	0.0513 ppm	10.1097 ppm
Concentration per Run 1	0.0471 ppm	2.1426 ppm	0.1294 ppm	0.9425 ppm	2.0738 ppm	0.0524 ppm	10.3426 ppm
Concentration per Run 2	0.0482 ppm	2.0680 ppm	0.1312 ppm	0.9662 ppm	2.0095 ppm	0.0508 ppm	10.0043 ppm
Concentration per Run 3	0.0478 ppm	2.0562 ppm	0.1331 ppm	0.9574 ppm	2.0042 ppm	0.0506 ppm	9.9822 ppm
Concentration RSD	1.1 %	2.2 %	1.4 %	1.3 %	1.9 %	1.9 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0552 ppm	0.4715 ppm	0.2113 ppm	0.2384 ppm	1.0381 ppm	10.4427 ppm	0.0002 ppm
Concentration per Run 1	0.0546 ppm	0.4678 ppm	0.2106 ppm	0.2372 ppm	1.0553 ppm	10.6868 ppm	0.0004 ppm
Concentration per Run 2	0.0557 ppm	0.4755 ppm	0.2118 ppm	0.2391 ppm	1.0311 ppm	10.3511 ppm	0.0009 ppm
Concentration per Run 3	0.0552 ppm	0.4712 ppm	0.2116 ppm	0.2389 ppm	1.0279 ppm	10.2904 ppm	-0.0007 ppm
Concentration RSD	1.0 %	0.8 %	0.3 %	0.4 %	1.4 %	2.0 %	385.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.8067 ppm	0.5120 ppm	1.0073 ppm	9.9574 ppm	0.5097 ppm	0.5666 ppm	0.4630 ppm
Concentration per Run 1	10.7570 ppm	0.5241 ppm	0.9960 ppm	10.1651 ppm	0.5045 ppm	0.5608 ppm	0.4584 ppm
Concentration per Run 2	10.8428 ppm	0.5067 ppm	1.0160 ppm	9.8731 ppm	0.5141 ppm	0.5707 ppm	0.4653 ppm
Concentration per Run 3	10.8204 ppm	0.5053 ppm	1.0099 ppm	9.8341 ppm	0.5105 ppm	0.5684 ppm	0.4652 ppm
Concentration RSD	0.4 %	2.0 %	1.0 %	1.8 %	0.9 %	0.9 %	0.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1224 ppm	1.1549 ppm	0.9742 ppm	1.0241 ppm	1.0674 ppm	0.1243 ppm	0.5337 ppm
Concentration per Run 1	0.1211 ppm	1.1390 ppm	0.9640 ppm	1.0466 ppm	1.0629 ppm	0.1227 ppm	0.5318 ppm
Concentration per Run 2	0.1230 ppm	1.1663 ppm	0.9826 ppm	1.0139 ppm	1.0696 ppm	0.1269 ppm	0.5356 ppm
Concentration per Run 3	0.1231 ppm	1.1593 ppm	0.9758 ppm	1.0119 ppm	1.0696 ppm	0.1235 ppm	0.5336 ppm
Concentration RSD	0.9 %	1.2 %	1.0 %	1.9 %	0.4 %	1.8 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5312 ppm	102.2878 %	96.8349 %	94.9232 %	105.0097 %	96.4408 %	101.2178 %
Concentration per Run 1	0.5259 ppm	100.8460 %	97.0383 %	96.0406 %	102.7852 %	97.4056 %	101.2304 %
Concentration per Run 2	0.5360 ppm	102.9983 %	96.6912 %	94.1519 %	106.1577 %	95.5343 %	101.0645 %
Concentration per Run 3	0.5318 ppm	103.0190 %	96.7753 %	94.5769 %	106.0863 %	96.3825 %	101.3584 %
Concentration RSD	1.0 %	1.2 %	0.2 %	1.0 %	1.8 %	1.0 %	0.1 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556330-03 WG2113539
 Analysis started at: 9/18/2025 17:35:59
 Comments: <Comment>
 Rack: 1
 Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0060 ppm	0.0010 ppm	0.0059 ppm	0.0063 ppm	0.0000 ppm	3.9510 ppm
Concentration per Run 1	0.0000 ppm	0.0114 ppm	0.0011 ppm	0.0061 ppm	0.0064 ppm	0.0000 ppm	4.0245 ppm
Concentration per Run 2	-0.0001 ppm	0.0045 ppm	0.0024 ppm	0.0062 ppm	0.0062 ppm	0.0000 ppm	3.9201 ppm
Concentration per Run 3	0.0002 ppm	0.0022 ppm	-0.0006 ppm	0.0055 ppm	0.0063 ppm	0.0000 ppm	3.9085 ppm
Concentration RSD	833.6 %	79.3 %	152.1 %	7.0 %	2.2 %	79.0 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0007 ppm	-0.0006 ppm	0.0863 ppm	0.9005 ppm	0.0007 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	0.0006 ppm	-0.0006 ppm	0.0883 ppm	0.9231 ppm	0.0009 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0008 ppm	-0.0006 ppm	0.0855 ppm	0.8821 ppm	0.0013 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0007 ppm	-0.0005 ppm	0.0852 ppm	0.8962 ppm	-0.0001 ppm
Concentration RSD	28.2 %	93.7 %	16.8 %	6.5 %	2.0 %	2.3 %	104.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.1573 ppm	0.0129 ppm	0.0007 ppm	7.8631 ppm	0.0004 ppm	0.0023 ppm	0.0002 ppm
Concentration per Run 1	1.1566 ppm	0.0132 ppm	0.0008 ppm	7.9759 ppm	0.0012 ppm	0.0021 ppm	0.0009 ppm
Concentration per Run 2	1.1349 ppm	0.0129 ppm	0.0009 ppm	7.8159 ppm	0.0001 ppm	0.0023 ppm	0.0004 ppm
Concentration per Run 3	1.1804 ppm	0.0128 ppm	0.0006 ppm	7.7975 ppm	-0.0001 ppm	0.0026 ppm	-0.0006 ppm
Concentration RSD	2.0 %	1.6 %	16.9 %	1.2 %	185.1 %	10.2 %	338.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	2.4747 ppm	0.0006 ppm	0.0372 ppm	0.0002 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run 1	0.0003 ppm	2.4050 ppm	0.0006 ppm	0.0378 ppm	0.0001 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 2	0.0038 ppm	2.5106 ppm	0.0006 ppm	0.0369 ppm	0.0003 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run 3	-0.0007 ppm	2.5085 ppm	0.0005 ppm	0.0370 ppm	0.0002 ppm	0.0021 ppm	0.0003 ppm
Concentration RSD	211.8 %	2.4 %	5.5 %	1.3 %	58.3 %	68.0 %	57.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0025 ppm	102.2741 %	95.6306 %	95.9983 %	105.2908 %	99.0332 %	100.3815 %
Concentration per Run 1	0.0024 ppm	101.2825 %	95.6593 %	98.6841 %	104.0003 %	101.5836 %	100.6168 %
Concentration per Run 2	0.0025 ppm	103.1003 %	97.3350 %	94.9207 %	105.9726 %	97.7018 %	101.6124 %
Concentration per Run 3	0.0026 ppm	102.4394 %	93.8974 %	94.3902 %	105.8995 %	97.8142 %	98.9154 %
Concentration RSD	3.5 %	0.9 %	1.8 %	2.4 %	1.1 %	2.2 %	1.4 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2113539-3 WG2113539
 Analysis started at: 9/18/2025 17:40:27
 Comments: <Comment>
 Rack: 1
 Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0474 ppm	2.0505 ppm	0.1358 ppm	0.9740 ppm	1.9972 ppm	0.0510 ppm	13.6694 ppm
Concentration per Run 1	0.0477 ppm	2.0920 ppm	0.1343 ppm	0.9623 ppm	2.0346 ppm	0.0521 ppm	13.9563 ppm
Concentration per Run 2	0.0474 ppm	2.0354 ppm	0.1392 ppm	0.9930 ppm	1.9851 ppm	0.0507 ppm	13.5667 ppm
Concentration per Run 3	0.0472 ppm	2.0241 ppm	0.1340 ppm	0.9668 ppm	1.9718 ppm	0.0502 ppm	13.4852 ppm
Concentration RSD	0.5 %	1.8 %	2.2 %	1.7 %	1.7 %	1.9 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0555 ppm	0.4706 ppm	0.2116 ppm	0.2370 ppm	1.1011 ppm	11.1274 ppm	-0.0001 ppm
Concentration per Run 1	0.0548 ppm	0.4648 ppm	0.2120 ppm	0.2371 ppm	1.1184 ppm	11.3503 ppm	-0.0009 ppm
Concentration per Run 2	0.0564 ppm	0.4790 ppm	0.2113 ppm	0.2368 ppm	1.0973 ppm	11.0159 ppm	0.0003 ppm
Concentration per Run 3	0.0552 ppm	0.4680 ppm	0.2115 ppm	0.2371 ppm	1.0877 ppm	11.0161 ppm	0.0004 ppm
Concentration RSD	1.5 %	1.6 %	0.2 %	0.1 %	1.4 %	1.7 %	835.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.0021 ppm	0.5177 ppm	0.9990 ppm	17.6634 ppm	0.5098 ppm	0.5653 ppm	0.4660 ppm
Concentration per Run 1	12.0596 ppm	0.5280 ppm	0.9858 ppm	17.9880 ppm	0.5040 ppm	0.5591 ppm	0.4580 ppm
Concentration per Run 2	11.9737 ppm	0.5146 ppm	1.0174 ppm	17.5664 ppm	0.5193 ppm	0.5754 ppm	0.4754 ppm
Concentration per Run 3	11.9729 ppm	0.5107 ppm	0.9939 ppm	17.4357 ppm	0.5063 ppm	0.5615 ppm	0.4646 ppm
Concentration RSD	0.4 %	1.8 %	1.6 %	1.6 %	1.6 %	1.6 %	1.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1264 ppm	3.7249 ppm	0.9722 ppm	1.0394 ppm	1.0671 ppm	0.1219 ppm	0.5363 ppm
Concentration per Run 1	0.1253 ppm	3.6805 ppm	0.9583 ppm	1.0584 ppm	1.0697 ppm	0.1206 ppm	0.5385 ppm
Concentration per Run 2	0.1263 ppm	3.7944 ppm	0.9909 ppm	1.0324 ppm	1.0652 ppm	0.1241 ppm	0.5344 ppm
Concentration per Run 3	0.1275 ppm	3.6998 ppm	0.9676 ppm	1.0274 ppm	1.0663 ppm	0.1210 ppm	0.5361 ppm
Concentration RSD	0.9 %	1.6 %	1.7 %	1.6 %	0.2 %	1.6 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5379 ppm	101.8827 %	95.5348 %	93.7816 %	105.7467 %	95.7418 %	100.7412 %
Concentration per Run 1	0.5312 ppm	100.0353 %	95.3854 %	94.8046 %	102.9905 %	96.8906 %	100.5580 %
Concentration per Run 2	0.5480 ppm	102.6903 %	95.5968 %	91.8834 %	106.5281 %	94.1259 %	100.8222 %
Concentration per Run 3	0.5344 ppm	102.9225 %	95.6222 %	94.6568 %	107.7215 %	96.2088 %	100.8433 %
Concentration RSD	1.7 %	1.6 %	0.1 %	1.8 %	2.3 %	1.5 %	0.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2113539-4 WG2113539
 Analysis started at: 9/18/2025 17:44:38
 Comments: <Comment>
 Rack: 1
 Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0098 ppm	-0.0011 ppm	0.0066 ppm	0.0064 ppm	0.0000 ppm	3.9848 ppm
Concentration per Run 1	0.0001 ppm	0.0109 ppm	-0.0004 ppm	0.0066 ppm	0.0065 ppm	0.0000 ppm	4.0562 ppm
Concentration per Run 2	0.0000 ppm	0.0137 ppm	-0.0024 ppm	0.0066 ppm	0.0064 ppm	0.0000 ppm	3.9397 ppm
Concentration per Run 3	0.0007 ppm	0.0049 ppm	-0.0006 ppm	0.0065 ppm	0.0063 ppm	0.0000 ppm	3.9587 ppm
Concentration RSD	143.6 %	45.3 %	94.5 %	1.0 %	1.4 %	123.4 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0004 ppm	-0.0003 ppm	0.0838 ppm	0.8834 ppm	0.0011 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0005 ppm	-0.0003 ppm	0.0863 ppm	0.9059 ppm	0.0013 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0004 ppm	-0.0002 ppm	0.0838 ppm	0.8753 ppm	0.0026 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0004 ppm	0.0813 ppm	0.8691 ppm	-0.0005 ppm
Concentration RSD	18.9 %	293.1 %	21.1 %	28.6 %	3.0 %	2.2 %	138.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.1363 ppm	0.0130 ppm	0.0009 ppm	7.9649 ppm	0.0004 ppm	0.0019 ppm	0.0008 ppm
Concentration per Run 1	1.1323 ppm	0.0131 ppm	0.0013 ppm	8.1345 ppm	-0.0001 ppm	0.0019 ppm	0.0007 ppm
Concentration per Run 2	1.1391 ppm	0.0129 ppm	0.0007 ppm	7.8970 ppm	0.0008 ppm	0.0023 ppm	0.0017 ppm
Concentration per Run 3	1.1375 ppm	0.0129 ppm	0.0006 ppm	7.8632 ppm	0.0004 ppm	0.0015 ppm	-0.0002 ppm
Concentration RSD	0.3 %	0.8 %	42.5 %	1.9 %	122.4 %	21.0 %	124.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	2.5373 ppm	0.0009 ppm	0.0376 ppm	0.0002 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run 1	-0.0009 ppm	2.5290 ppm	0.0020 ppm	0.0383 ppm	0.0002 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run 2	-0.0006 ppm	2.5627 ppm	0.0004 ppm	0.0375 ppm	0.0004 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run 3	0.0021 ppm	2.5202 ppm	0.0003 ppm	0.0372 ppm	0.0001 ppm	0.0011 ppm	0.0004 ppm
Concentration RSD	811.5 %	0.9 %	106.0 %	1.5 %	62.2 %	28.2 %	54.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0011 ppm	103.1086 %	98.3957 %	95.2114 %	106.3977 %	98.0358 %	103.1810 %
Concentration per Run 1	0.0010 ppm	102.0387 %	98.6210 %	95.9004 %	104.2629 %	98.7161 %	103.3262 %
Concentration per Run 2	0.0013 ppm	104.2676 %	98.0441 %	94.3739 %	107.7715 %	97.0524 %	102.8997 %
Concentration per Run 3	0.0011 ppm	103.0195 %	98.5218 %	95.3599 %	107.1586 %	98.3389 %	103.3171 %
Concentration RSD	14.7 %	1.1 %	0.3 %	0.8 %	1.8 %	0.9 %	0.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2113539-5 WG2113539
 Analysis started at: 9/18/2025 17:49:06
 Comments: <Comment>
 Rack: 1
 Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0459 ppm	1.9846 ppm	0.1246 ppm	0.9235 ppm	1.9305 ppm	0.0493 ppm	13.3224 ppm
Concentration per Run 1	0.0459 ppm	2.0171 ppm	0.1239 ppm	0.9259 ppm	1.9609 ppm	0.0500 ppm	13.5556 ppm
Concentration per Run 2	0.0459 ppm	1.9699 ppm	0.1258 ppm	0.9227 ppm	1.9197 ppm	0.0491 ppm	13.2511 ppm
Concentration per Run 3	0.0459 ppm	1.9669 ppm	0.1240 ppm	0.9218 ppm	1.9110 ppm	0.0488 ppm	13.1605 ppm
Concentration RSD	0.0 %	1.4 %	0.9 %	0.2 %	1.4 %	1.3 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0533 ppm	0.4498 ppm	0.2040 ppm	0.2285 ppm	1.0677 ppm	10.6653 ppm	0.0006 ppm
Concentration per Run 1	0.0536 ppm	0.4513 ppm	0.2051 ppm	0.2292 ppm	1.0849 ppm	10.8408 ppm	0.0007 ppm
Concentration per Run 2	0.0530 ppm	0.4475 ppm	0.2034 ppm	0.2287 ppm	1.0593 ppm	10.5978 ppm	0.0009 ppm
Concentration per Run 3	0.0533 ppm	0.4505 ppm	0.2035 ppm	0.2275 ppm	1.0590 ppm	10.5572 ppm	0.0003 ppm
Concentration RSD	0.5 %	0.4 %	0.5 %	0.4 %	1.4 %	1.4 %	47.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	11.5028 ppm	0.5015 ppm	0.9465 ppm	16.9726 ppm	0.4895 ppm	0.5290 ppm	0.4441 ppm
Concentration per Run 1	11.5297 ppm	0.5096 ppm	0.9462 ppm	17.2566 ppm	0.4913 ppm	0.5308 ppm	0.4457 ppm
Concentration per Run 2	11.4640 ppm	0.4989 ppm	0.9446 ppm	16.8653 ppm	0.4881 ppm	0.5282 ppm	0.4422 ppm
Concentration per Run 3	11.5146 ppm	0.4961 ppm	0.9486 ppm	16.7961 ppm	0.4890 ppm	0.5279 ppm	0.4443 ppm
Concentration RSD	0.3 %	1.4 %	0.2 %	1.5 %	0.3 %	0.3 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1157 ppm	3.4025 ppm	0.9308 ppm	0.9962 ppm	1.0191 ppm	0.1146 ppm	0.5187 ppm
Concentration per Run 1	0.1158 ppm	3.4053 ppm	0.9310 ppm	1.0119 ppm	1.0231 ppm	0.1154 ppm	0.5208 ppm
Concentration per Run 2	0.1159 ppm	3.3997 ppm	0.9291 ppm	0.9903 ppm	1.0170 ppm	0.1148 ppm	0.5181 ppm
Concentration per Run 3	0.1154 ppm	3.4023 ppm	0.9324 ppm	0.9864 ppm	1.0173 ppm	0.1136 ppm	0.5172 ppm
Concentration RSD	0.2 %	0.1 %	0.2 %	1.4 %	0.3 %	0.8 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5170 ppm	101.5251 %	95.6816 %	94.6454 %	105.2793 %	96.5278 %	100.8797 %
Concentration per Run 1	0.5182 ppm	99.8722 %	95.6547 %	94.4781 %	102.7984 %	96.5556 %	100.7208 %
Concentration per Run 2	0.5146 ppm	102.6516 %	96.0432 %	94.8466 %	106.4829 %	96.7726 %	101.2116 %
Concentration per Run 3	0.5181 ppm	102.0516 %	95.3469 %	94.6116 %	106.5567 %	96.2553 %	100.7067 %
Concentration RSD	0.4 %	1.4 %	0.4 %	0.2 %	2.0 %	0.3 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2113539-6d5 WG2113539
 Analysis started at: 9/18/2025 17:53:18
 Comments: <Comment>
 Rack: 1
 Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0064 ppm	0.0011 ppm	0.0031 ppm	0.0014 ppm	0.0000 ppm	0.7867 ppm
Concentration per Run 1	0.0005 ppm	0.0055 ppm	0.0018 ppm	0.0029 ppm	0.0013 ppm	0.0000 ppm	0.7958 ppm
Concentration per Run 2	-0.0002 ppm	0.0066 ppm	0.0000 ppm	0.0035 ppm	0.0015 ppm	0.0000 ppm	0.7838 ppm
Concentration per Run 3	0.0002 ppm	0.0072 ppm	0.0014 ppm	0.0029 ppm	0.0013 ppm	0.0000 ppm	0.7805 ppm
Concentration RSD	201.9 %	13.0 %	88.8 %	11.9 %	9.3 %	563.6 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0011 ppm	0.0217 ppm	0.2080 ppm	0.0009 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0010 ppm	0.0219 ppm	0.1783 ppm	-0.0003 ppm
Concentration per Run 2	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	-0.0012 ppm	0.0228 ppm	0.2434 ppm	0.0017 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0002 ppm	-0.0012 ppm	0.0206 ppm	0.2024 ppm	0.0013 ppm
Concentration RSD	65.6 %	4,760.0 %	41.7 %	9.3 %	5.0 %	15.8 %	119.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.2250 ppm	0.0028 ppm	0.0009 ppm	1.5708 ppm	-0.0002 ppm	0.0012 ppm	0.0016 ppm
Concentration per Run 1	0.2285 ppm	0.0027 ppm	0.0011 ppm	1.5814 ppm	-0.0001 ppm	0.0010 ppm	0.0016 ppm
Concentration per Run 2	0.2221 ppm	0.0031 ppm	0.0008 ppm	1.5678 ppm	0.0001 ppm	0.0016 ppm	0.0019 ppm
Concentration per Run 3	0.2244 ppm	0.0025 ppm	0.0009 ppm	1.5632 ppm	-0.0006 ppm	0.0011 ppm	0.0014 ppm
Concentration RSD	1.4 %	10.2 %	18.1 %	0.6 %	192.9 %	26.5 %	14.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	0.4868 ppm	0.0016 ppm	0.0076 ppm	0.0002 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run 1	0.0022 ppm	0.4879 ppm	0.0012 ppm	0.0077 ppm	0.0000 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run 2	-0.0008 ppm	0.4872 ppm	0.0017 ppm	0.0077 ppm	0.0002 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run 3	0.0006 ppm	0.4855 ppm	0.0017 ppm	0.0075 ppm	0.0002 ppm	0.0003 ppm	-0.0003 ppm
Concentration RSD	220.9 %	0.3 %	18.2 %	1.4 %	75.3 %	47.0 %	141.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	101.6433 %	98.2379 %	97.4148 %	105.8226 %	100.0429 %	103.3879 %
Concentration per Run 1	0.0010 ppm	100.3767 %	98.0249 %	97.1360 %	104.1842 %	99.7954 %	103.2241 %
Concentration per Run 2	0.0010 ppm	102.3344 %	98.3057 %	97.5458 %	106.6583 %	100.0446 %	103.4118 %
Concentration per Run 3	0.0009 ppm	102.2189 %	98.3831 %	97.5625 %	106.6254 %	100.2886 %	103.5278 %
Concentration RSD	5.6 %	1.1 %	0.2 %	0.2 %	1.3 %	0.2 %	0.1 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556323-02 WG2113539
 Analysis started at: 9/18/2025 17:57:47
 Comments: <Comment>
 Rack: 1
 Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0142 ppm	0.0018 ppm	0.0214 ppm	0.0347 ppm	0.0000 ppm	20.2810 ppm
Concentration per Run 1	0.0000 ppm	0.0170 ppm	0.0016 ppm	0.0219 ppm	0.0352 ppm	0.0000 ppm	20.6066 ppm
Concentration per Run 2	-0.0002 ppm	0.0121 ppm	0.0002 ppm	0.0215 ppm	0.0346 ppm	0.0000 ppm	20.1455 ppm
Concentration per Run 3	-0.0002 ppm	0.0135 ppm	0.0036 ppm	0.0210 ppm	0.0344 ppm	0.0000 ppm	20.0908 ppm
Concentration RSD	69.6 %	17.8 %	94.7 %	2.1 %	1.2 %	192.6 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0007 ppm	0.1796 ppm	2.6677 ppm	0.0004 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0011 ppm	0.1808 ppm	2.7055 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0008 ppm	0.0006 ppm	0.1788 ppm	2.6454 ppm	-0.0005 ppm
Concentration per Run 3	-0.0001 ppm	0.0004 ppm	0.0008 ppm	0.0005 ppm	0.1791 ppm	2.6522 ppm	0.0012 ppm
Concentration RSD	95.5 %	83.6 %	20.9 %	37.9 %	0.6 %	1.2 %	203.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.7604 ppm	0.1454 ppm	0.0006 ppm	59.6539 ppm	0.0019 ppm	0.0026 ppm	-0.0009 ppm
Concentration per Run 1	4.7427 ppm	0.1472 ppm	0.0008 ppm	60.5091 ppm	0.0018 ppm	0.0020 ppm	-0.0018 ppm
Concentration per Run 2	4.7716 ppm	0.1447 ppm	0.0007 ppm	59.2018 ppm	0.0019 ppm	0.0033 ppm	-0.0002 ppm
Concentration per Run 3	4.7669 ppm	0.1442 ppm	0.0004 ppm	59.2507 ppm	0.0021 ppm	0.0024 ppm	-0.0008 ppm
Concentration RSD	0.3 %	1.1 %	32.7 %	1.2 %	8.0 %	24.6 %	86.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	2.0880 ppm	0.0010 ppm	0.1185 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 1	0.0017 ppm	2.0854 ppm	0.0017 ppm	0.1201 ppm	0.0003 ppm	0.0003 ppm	0.0005 ppm
Concentration per Run 2	-0.0001 ppm	2.0986 ppm	0.0009 ppm	0.1176 ppm	0.0001 ppm	-0.0001 ppm	0.0005 ppm
Concentration per Run 3	-0.0005 ppm	2.0799 ppm	0.0005 ppm	0.1178 ppm	0.0004 ppm	0.0001 ppm	-0.0004 ppm
Concentration RSD	300.7 %	0.5 %	58.5 %	1.2 %	72.8 %	214.5 %	264.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0090 ppm	101.3983 %	94.9481 %	94.0650 %	105.4249 %	94.4713 %	100.0949 %
Concentration per Run 1	0.0090 ppm	100.9781 %	95.1783 %	94.5845 %	104.1944 %	94.5766 %	100.1205 %
Concentration per Run 2	0.0090 ppm	102.1294 %	94.7851 %	93.3216 %	106.0221 %	94.0778 %	99.8811 %
Concentration per Run 3	0.0089 ppm	101.0874 %	94.8811 %	94.2889 %	106.0582 %	94.7597 %	100.2832 %
Concentration RSD	0.5 %	0.6 %	0.2 %	0.7 %	1.0 %	0.4 %	0.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556323-05 WG2113539
 Analysis started at: 9/18/2025 18:02:16
 Comments: <Comment>
 Rack: 1
 Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0144 ppm	0.0011 ppm	0.0242 ppm	0.0310 ppm	0.0000 ppm	17.4952 ppm
Concentration per Run 1	0.0002 ppm	0.0238 ppm	-0.0009 ppm	0.0237 ppm	0.0315 ppm	0.0000 ppm	17.8072 ppm
Concentration per Run 2	0.0000 ppm	0.0089 ppm	0.0012 ppm	0.0245 ppm	0.0303 ppm	0.0000 ppm	17.0581 ppm
Concentration per Run 3	0.0001 ppm	0.0107 ppm	0.0029 ppm	0.0245 ppm	0.0311 ppm	-0.0001 ppm	17.6203 ppm
Concentration RSD	101.7 %	56.3 %	178.8 %	2.0 %	2.0 %	99.9 %	2.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0041 ppm	0.0010 ppm	0.1884 ppm	2.4828 ppm	0.0020 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0042 ppm	0.0006 ppm	0.1933 ppm	2.5050 ppm	0.0032 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0039 ppm	0.0011 ppm	0.1832 ppm	2.4311 ppm	0.0007 ppm
Concentration per Run 3	-0.0001 ppm	0.0003 ppm	0.0043 ppm	0.0011 ppm	0.1887 ppm	2.5124 ppm	0.0021 ppm
Concentration RSD	34.5 %	64.5 %	5.5 %	32.1 %	2.7 %	1.8 %	61.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.3869 ppm	0.0582 ppm	0.0004 ppm	48.4458 ppm	0.0011 ppm	0.0024 ppm	-0.0003 ppm
Concentration per Run 1	3.5142 ppm	0.0593 ppm	0.0006 ppm	49.2657 ppm	0.0011 ppm	0.0022 ppm	0.0012 ppm
Concentration per Run 2	3.3166 ppm	0.0567 ppm	0.0003 ppm	47.2516 ppm	0.0012 ppm	0.0020 ppm	-0.0012 ppm
Concentration per Run 3	3.3300 ppm	0.0586 ppm	0.0002 ppm	48.8202 ppm	0.0008 ppm	0.0031 ppm	-0.0010 ppm
Concentration RSD	3.3 %	2.3 %	59.7 %	2.2 %	21.4 %	24.6 %	412.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	1.9426 ppm	0.0002 ppm	0.0904 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 1	0.0016 ppm	1.9137 ppm	0.0002 ppm	0.0921 ppm	0.0002 ppm	-0.0007 ppm	0.0000 ppm
Concentration per Run 2	-0.0006 ppm	1.9600 ppm	0.0002 ppm	0.0882 ppm	0.0000 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 3	-0.0001 ppm	1.9540 ppm	0.0003 ppm	0.0909 ppm	0.0003 ppm	-0.0003 ppm	0.0002 ppm
Concentration RSD	408.7 %	1.3 %	33.6 %	2.3 %	94.1 %	980.9 %	58.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0035 ppm	101.2864 %	93.0643 %	93.0136 %	104.9995 %	93.6936 %	98.0922 %
Concentration per Run 1	0.0033 ppm	101.1367 %	89.9330 %	94.3452 %	103.8907 %	95.1355 %	94.8300 %
Concentration per Run 2	0.0034 ppm	103.5756 %	94.6440 %	92.2634 %	107.6503 %	92.8881 %	99.6825 %
Concentration per Run 3	0.0038 ppm	99.1470 %	94.6159 %	92.4323 %	103.4576 %	93.0573 %	99.7640 %
Concentration RSD	6.8 %	2.2 %	2.9 %	1.2 %	2.2 %	1.3 %	2.9 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556323-08 WG2113539
 Analysis started at: 9/18/2025 18:06:43
 Comments: <Comment>
 Rack: 1
 Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0184 ppm	0.0004 ppm	0.0090 ppm	0.0272 ppm	0.0000 ppm	11.9210 ppm
Concentration per Run 1	-0.0002 ppm	0.0155 ppm	0.0002 ppm	0.0090 ppm	0.0275 ppm	0.0001 ppm	12.1345 ppm
Concentration per Run 2	0.0003 ppm	0.0167 ppm	0.0008 ppm	0.0091 ppm	0.0271 ppm	0.0000 ppm	11.8244 ppm
Concentration per Run 3	-0.0004 ppm	0.0228 ppm	0.0001 ppm	0.0090 ppm	0.0269 ppm	0.0000 ppm	11.8041 ppm
Concentration RSD	427.9 %	21.2 %	113.0 %	0.3 %	1.2 %	310.3 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0006 ppm	-0.0008 ppm	1.9508 ppm	1.9665 ppm	-0.0001 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0006 ppm	-0.0007 ppm	1.9801 ppm	1.9745 ppm	-0.0003 ppm
Concentration per Run 2	-0.0001 ppm	0.0007 ppm	0.0009 ppm	-0.0009 ppm	1.9342 ppm	1.9666 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	0.0004 ppm	0.0006 ppm	-0.0007 ppm	1.9381 ppm	1.9586 ppm	0.0006 ppm
Concentration RSD	33.1 %	75.3 %	9.4 %	12.0 %	1.3 %	0.4 %	704.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.8763 ppm	0.3179 ppm	0.0001 ppm	50.4561 ppm	-0.0009 ppm	0.0033 ppm	-0.0008 ppm
Concentration per Run 1	2.8022 ppm	0.3215 ppm	0.0002 ppm	51.1794 ppm	-0.0009 ppm	0.0022 ppm	-0.0005 ppm
Concentration per Run 2	2.9719 ppm	0.3161 ppm	-0.0001 ppm	50.1558 ppm	-0.0007 ppm	0.0036 ppm	-0.0017 ppm
Concentration per Run 3	2.8548 ppm	0.3159 ppm	0.0003 ppm	50.0329 ppm	-0.0009 ppm	0.0040 ppm	-0.0003 ppm
Concentration RSD	3.0 %	1.0 %	138.2 %	1.2 %	12.6 %	27.8 %	92.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	5.4451 ppm	0.0002 ppm	0.0893 ppm	0.0004 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 1	0.0014 ppm	5.4257 ppm	0.0003 ppm	0.0906 ppm	0.0005 ppm	0.0016 ppm	0.0002 ppm
Concentration per Run 2	-0.0004 ppm	5.4094 ppm	-0.0005 ppm	0.0888 ppm	0.0002 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 3	0.0006 ppm	5.5001 ppm	0.0009 ppm	0.0885 ppm	0.0006 ppm	0.0013 ppm	-0.0001 ppm
Concentration RSD	179.2 %	0.9 %	305.9 %	1.3 %	56.3 %	56.4 %	201.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0007 ppm	101.1210 %	93.6855 %	93.4659 %	104.8202 %	94.2454 %	99.1245 %
Concentration per Run 1	0.0006 ppm	99.9138 %	95.6809 %	93.9295 %	103.1894 %	94.6126 %	101.0529 %
Concentration per Run 2	0.0009 ppm	101.7033 %	90.9711 %	94.2284 %	105.4759 %	94.7064 %	97.0609 %
Concentration per Run 3	0.0007 ppm	101.7460 %	94.4046 %	92.2399 %	105.7954 %	93.4173 %	99.2598 %
Concentration RSD	21.0 %	1.0 %	2.6 %	1.1 %	1.4 %	0.8 %	2.0 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCV
Analysis started at: 9/18/2025 18:14:29
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4617 ppm	0.4821 ppm	0.5083 ppm	0.4687 ppm	0.4873 ppm	0.4982 ppm	0.4859 ppm
Concentration per Run 1	0.4613 ppm	0.4882 ppm	0.5074 ppm	0.4691 ppm	0.4954 ppm	0.5067 ppm	0.4934 ppm
Concentration per Run 2	0.4623 ppm	0.4822 ppm	0.5077 ppm	0.4685 ppm	0.4839 ppm	0.4952 ppm	0.4877 ppm
Concentration per Run 3	0.4614 ppm	0.4758 ppm	0.5098 ppm	0.4686 ppm	0.4827 ppm	0.4928 ppm	0.4764 ppm
Recovery Percentage 1	92.332 %	96.414 %	101.660 %	93.745 %	97.464 %	99.639 %	97.171 %
Concentration RSD	0.1 %	1.3 %	0.3 %	0.1 %	1.4 %	1.5 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5208 ppm	0.4823 ppm	0.5307 ppm	0.4748 ppm	0.5263 ppm	4.9724 ppm	0.4930 ppm
Concentration per Run 1	0.5209 ppm	0.4815 ppm	0.5318 ppm	0.4736 ppm	0.5350 ppm	5.0326 ppm	0.4993 ppm
Concentration per Run 2	0.5205 ppm	0.4823 ppm	0.5316 ppm	0.4761 ppm	0.5247 ppm	4.9567 ppm	0.4905 ppm
Concentration per Run 3	0.5211 ppm	0.4831 ppm	0.5287 ppm	0.4746 ppm	0.5194 ppm	4.9280 ppm	0.4891 ppm
Recovery Percentage 1	104.168 %	96.459 %	106.142 %	94.955 %	105.269 %	99.449 %	98.592 %
Concentration RSD	0.1 %	0.2 %	0.3 %	0.3 %	1.5 %	1.1 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5342 ppm	0.5068 ppm	0.4961 ppm	9.2413 ppm	0.5172 ppm	0.5262 ppm	0.4766 ppm
Concentration per Run 1	0.5316 ppm	0.5141 ppm	0.4953 ppm	9.3840 ppm	0.5171 ppm	0.5268 ppm	0.4766 ppm
Concentration per Run 2	0.5345 ppm	0.5036 ppm	0.4960 ppm	9.1768 ppm	0.5169 ppm	0.5265 ppm	0.4767 ppm
Concentration per Run 3	0.5363 ppm	0.5026 ppm	0.4969 ppm	9.1629 ppm	0.5175 ppm	0.5252 ppm	0.4763 ppm
Recovery Percentage 1	106.830 %	101.353 %	99.219 %	92.413 %	103.431 %	105.231 %	95.313 %
Concentration RSD	0.4 %	1.3 %	0.2 %	1.3 %	0.1 %	0.2 %	0.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4898 ppm	5.4012 ppm	0.4898 ppm	0.4962 ppm	0.5240 ppm	0.4924 ppm	0.5336 ppm
Concentration per Run 1	0.4897 ppm	5.3974 ppm	0.4917 ppm	0.5040 ppm	0.5242 ppm	0.4915 ppm	0.5335 ppm
Concentration per Run 2	0.4880 ppm	5.4041 ppm	0.4882 ppm	0.4929 ppm	0.5244 ppm	0.4931 ppm	0.5347 ppm
Concentration per Run 3	0.4916 ppm	5.4022 ppm	0.4895 ppm	0.4917 ppm	0.5233 ppm	0.4928 ppm	0.5326 ppm
Recovery Percentage 1	97.952 %	102.881 %	97.960 %	99.243 %	104.800 %	98.490 %	106.713 %
Concentration RSD	0.4 %	0.1 %	0.4 %	1.4 %	0.1 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5361 ppm	101.3919 %	97.0527 %	94.2205 %	106.1041 %	96.3366 %	102.8537 %
Concentration per Run 1	0.5362 ppm	100.5381 %	96.9757 %	94.5455 %	104.7286 %	96.5569 %	102.6881 %
Concentration per Run 2	0.5359 ppm	101.5532 %	96.8216 %	94.2684 %	106.4551 %	96.3391 %	102.7357 %
Concentration per Run 3	0.5362 ppm	102.0844 %	97.3607 %	93.8474 %	107.1286 %	96.1139 %	103.1374 %
Recovery Percentage 1	107.214 %						
Concentration RSD	0.0 %	0.8 %	0.3 %	0.4 %	1.2 %	0.2 %	0.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCB
 Analysis started at: 9/18/2025 18:18:42
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0046 ppm	-0.0009 ppm	0.0012 ppm	0.0002 ppm	0.0000 ppm	-0.0029 ppm
Concentration per Run 1	0.0002 ppm	0.0084 ppm	0.0008 ppm	0.0010 ppm	0.0002 ppm	0.0000 ppm	-0.0094 ppm
Concentration per Run 2	0.0006 ppm	-0.0055 ppm	-0.0004 ppm	0.0011 ppm	0.0001 ppm	0.0001 ppm	0.0015 ppm
Concentration per Run 3	-0.0002 ppm	0.0109 ppm	-0.0031 ppm	0.0015 ppm	0.0002 ppm	0.0000 ppm	-0.0008 ppm
Recovery Percentage 1	4.003 %	4.627 %	-17.339 %	4.144 %	1.981 %	0.991 %	-2.912 %
Concentration RSD	206.4 %	191.3 %	231.8 %	21.5 %	21.8 %	67.2 %	197.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0012 ppm	0.0007 ppm	0.0335 ppm	0.0004 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	-0.0002 ppm	-0.0016 ppm	0.0009 ppm	0.0328 ppm	0.0017 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0014 ppm	0.0008 ppm	0.0282 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	0.0003 ppm	0.0005 ppm	-0.0004 ppm	0.0004 ppm	0.0394 ppm	-0.0009 ppm
Recovery Percentage 1	-2.130 %	-0.099 %	1.787 %	-11.557 %	1.393 %	1.339 %	3.788 %
Concentration RSD	9.2 %	3,043.6 %	194.0 %	54.4 %	38.7 %	16.8 %	337.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0200 ppm	-0.0007 ppm	0.0019 ppm	-0.0012 ppm
Concentration per Run 1	0.0006 ppm	0.0004 ppm	0.0003 ppm	0.0214 ppm	-0.0004 ppm	0.0010 ppm	-0.0020 ppm
Concentration per Run 2	0.0008 ppm	0.0000 ppm	0.0005 ppm	0.0149 ppm	-0.0004 ppm	0.0025 ppm	-0.0004 ppm
Concentration per Run 3	-0.0015 ppm	0.0002 ppm	0.0003 ppm	0.0237 ppm	-0.0012 ppm	0.0021 ppm	-0.0013 ppm
Recovery Percentage 1	-0.039 %	1.902 %	0.668 %	0.999 %	-2.675 %	18.542 %	-2.392 %
Concentration RSD	3,279.5 %	100.2 %	33.8 %	22.9 %	69.3 %	40.8 %	67.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	-0.0009 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 1	0.0008 ppm	-0.0012 ppm	0.0004 ppm	0.0003 ppm	0.0001 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run 2	0.0019 ppm	-0.0008 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	-0.0006 ppm	0.0003 ppm
Concentration per Run 3	-0.0009 ppm	-0.0007 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0014 ppm	0.0002 ppm
Recovery Percentage 1	5.886 %	-0.185 %	0.607 %	3.436 %	0.480 %	2.537 %	1.180 %
Concentration RSD	240.9 %	28.5 %	33.2 %	20.2 %	183.2 %	205.2 %	185.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	100.4983 %	98.2471 %	95.4658 %	103.6464 %	97.6807 %	102.0488 %
Concentration per Run 1	0.0001 ppm	99.5999 %	97.9507 %	97.5131 %	102.6253 %	100.1247 %	101.6873 %
Concentration per Run 2	0.0004 ppm	101.4993 %	98.2927 %	98.3752 %	104.2535 %	100.1781 %	102.1686 %
Concentration per Run 3	0.0002 ppm	100.3956 %	98.4979 %	90.5092 %	104.0603 %	92.7393 %	102.2904 %
Recovery Percentage 1	4.958 %						
Concentration RSD	51.5 %	0.9 %	0.3 %	4.5 %	0.9 %	4.4 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556331-02 WG2113539
 Analysis started at: 9/18/2025 18:33:03
 Comments: <Comment>
 Rack: 1
 Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0047 ppm	0.0025 ppm	0.0286 ppm	0.0722 ppm	0.0000 ppm	19.7391 ppm
Concentration per Run 1	-0.0002 ppm	0.0046 ppm	0.0040 ppm	0.0283 ppm	0.0736 ppm	0.0000 ppm	20.1592 ppm
Concentration per Run 2	0.0002 ppm	0.0037 ppm	0.0024 ppm	0.0286 ppm	0.0716 ppm	0.0000 ppm	19.5316 ppm
Concentration per Run 3	0.0000 ppm	0.0059 ppm	0.0013 ppm	0.0288 ppm	0.0715 ppm	0.0000 ppm	19.5267 ppm
Concentration RSD	645.0 %	23.6 %	53.3 %	0.9 %	1.6 %	387.4 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0003 ppm	0.6436 ppm	4.4946 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	0.0003 ppm	0.0002 ppm	0.6558 ppm	4.5907 ppm	0.0010 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0005 ppm	0.6387 ppm	4.4496 ppm	-0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0004 ppm	0.6362 ppm	4.4435 ppm	0.0005 ppm
Concentration RSD	34.8 %	26.8 %	78.6 %	50.5 %	1.7 %	1.9 %	176.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.1430 ppm	0.2970 ppm	0.0003 ppm	97.8820 ppm	0.0004 ppm	0.0026 ppm	-0.0017 ppm
Concentration per Run 1	4.1432 ppm	0.3035 ppm	0.0002 ppm	99.7462 ppm	0.0004 ppm	0.0021 ppm	-0.0041 ppm
Concentration per Run 2	4.1405 ppm	0.2941 ppm	0.0004 ppm	96.8703 ppm	0.0006 ppm	0.0024 ppm	-0.0006 ppm
Concentration per Run 3	4.1453 ppm	0.2934 ppm	0.0004 ppm	97.0294 ppm	0.0002 ppm	0.0032 ppm	-0.0003 ppm
Concentration RSD	0.1 %	1.9 %	30.4 %	1.7 %	45.7 %	22.1 %	126.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0006 ppm	3.2922 ppm	0.0001 ppm	0.1266 ppm	0.0003 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 1	-0.0003 ppm	3.2906 ppm	0.0005 ppm	0.1288 ppm	0.0002 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 2	-0.0009 ppm	3.2842 ppm	-0.0006 ppm	0.1254 ppm	0.0004 ppm	0.0014 ppm	0.0001 ppm
Concentration per Run 3	-0.0007 ppm	3.3018 ppm	0.0005 ppm	0.1256 ppm	0.0003 ppm	0.0012 ppm	0.0001 ppm
Concentration RSD	48.3 %	0.3 %	482.6 %	1.5 %	26.7 %	112.8 %	252.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0047 ppm	101.9259 %	95.1932 %	94.9033 %	105.0977 %	94.1362 %	99.9819 %
Concentration per Run 1	0.0047 ppm	101.1124 %	95.1876 %	95.1700 %	103.3578 %	94.4349 %	99.8741 %
Concentration per Run 2	0.0047 ppm	102.1028 %	95.5454 %	94.9102 %	105.4041 %	94.2042 %	100.2967 %
Concentration per Run 3	0.0046 ppm	102.5624 %	94.8467 %	94.6296 %	106.5312 %	93.7694 %	99.7748 %
Concentration RSD	1.4 %	0.7 %	0.4 %	0.3 %	1.5 %	0.4 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2113539-7 WG2113539
 Analysis started at: 9/18/2025 18:37:30
 Comments: <Comment>
 Rack: 1
 Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0485 ppm	2.1418 ppm	0.1367 ppm	1.0223 ppm	2.1431 ppm	0.0534 ppm	30.5075 ppm
Concentration per Run 1	0.0487 ppm	2.1664 ppm	0.1398 ppm	1.0259 ppm	2.1547 ppm	0.0537 ppm	30.8638 ppm
Concentration per Run 2	0.0487 ppm	2.1772 ppm	0.1351 ppm	1.0265 ppm	2.1749 ppm	0.0543 ppm	30.9006 ppm
Concentration per Run 3	0.0482 ppm	2.0819 ppm	0.1350 ppm	1.0146 ppm	2.0996 ppm	0.0521 ppm	29.7582 ppm
Concentration RSD	0.6 %	2.4 %	2.0 %	0.7 %	1.8 %	2.1 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0565 ppm	0.4780 ppm	0.2154 ppm	0.2428 ppm	1.7197 ppm	15.4159 ppm	0.0009 ppm
Concentration per Run 1	0.0566 ppm	0.4795 ppm	0.2152 ppm	0.2416 ppm	1.7337 ppm	15.5391 ppm	0.0007 ppm
Concentration per Run 2	0.0567 ppm	0.4801 ppm	0.2158 ppm	0.2440 ppm	1.7451 ppm	15.6240 ppm	0.0006 ppm
Concentration per Run 3	0.0561 ppm	0.4744 ppm	0.2152 ppm	0.2430 ppm	1.6803 ppm	15.0846 ppm	0.0014 ppm
Concentration RSD	0.6 %	0.7 %	0.2 %	0.5 %	2.0 %	1.9 %	47.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.9127 ppm	0.8226 ppm	1.0294 ppm	110.2378 ppm	0.5148 ppm	0.5688 ppm	0.4819 ppm
Concentration per Run 1	14.9039 ppm	0.8305 ppm	1.0321 ppm	111.0460 ppm	0.5168 ppm	0.5709 ppm	0.4830 ppm
Concentration per Run 2	14.9483 ppm	0.8322 ppm	1.0347 ppm	111.8675 ppm	0.5164 ppm	0.5709 ppm	0.4823 ppm
Concentration per Run 3	14.8858 ppm	0.8051 ppm	1.0214 ppm	107.7998 ppm	0.5113 ppm	0.5647 ppm	0.4803 ppm
Concentration RSD	0.2 %	1.8 %	0.7 %	2.0 %	0.6 %	0.6 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1288 ppm	4.5316 ppm	0.9858 ppm	1.1703 ppm	1.0840 ppm	0.1200 ppm	0.5461 ppm
Concentration per Run 1	0.1312 ppm	4.5467 ppm	0.9872 ppm	1.1789 ppm	1.0826 ppm	0.1204 ppm	0.5452 ppm
Concentration per Run 2	0.1287 ppm	4.5513 ppm	0.9895 ppm	1.1869 ppm	1.0855 ppm	0.1205 ppm	0.5480 ppm
Concentration per Run 3	0.1265 ppm	4.4969 ppm	0.9805 ppm	1.1452 ppm	1.0838 ppm	0.1191 ppm	0.5451 ppm
Concentration RSD	1.8 %	0.7 %	0.5 %	1.9 %	0.1 %	0.6 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5520 ppm	98.1808 %	92.9962 %	93.1684 %	101.8073 %	92.0014 %	97.7048 %
Concentration per Run 1	0.5535 ppm	96.8263 %	93.2364 %	92.9624 %	99.7720 %	91.7375 %	97.7359 %
Concentration per Run 2	0.5545 ppm	96.7050 %	92.8903 %	92.9821 %	100.8905 %	91.6188 %	97.6653 %
Concentration per Run 3	0.5479 ppm	101.0112 %	92.8618 %	93.5607 %	104.7596 %	92.6480 %	97.7133 %
Concentration RSD	0.6 %	2.5 %	0.2 %	0.4 %	2.6 %	0.6 %	0.0 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2113539-8 WG2113539
 Analysis started at: 9/18/2025 18:41:42
 Comments: <Comment>
 Rack: 1
 Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0113 ppm	0.0036 ppm	0.0304 ppm	0.0712 ppm	0.0000 ppm	19.4465 ppm
Concentration per Run 1	0.0000 ppm	0.0099 ppm	0.0040 ppm	0.0301 ppm	0.0724 ppm	0.0000 ppm	19.8911 ppm
Concentration per Run 2	-0.0001 ppm	0.0225 ppm	0.0047 ppm	0.0303 ppm	0.0707 ppm	0.0000 ppm	19.2349 ppm
Concentration per Run 3	0.0003 ppm	0.0016 ppm	0.0020 ppm	0.0309 ppm	0.0704 ppm	0.0001 ppm	19.2135 ppm
Concentration RSD	282.5 %	92.8 %	39.3 %	1.5 %	1.5 %	101.6 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0004 ppm	0.0005 ppm	0.0006 ppm	0.6345 ppm	4.4729 ppm	0.0018 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0004 ppm	0.6445 ppm	4.5586 ppm	0.0019 ppm
Concentration per Run 2	0.0000 ppm	0.0005 ppm	0.0006 ppm	0.0006 ppm	0.6312 ppm	4.4171 ppm	0.0019 ppm
Concentration per Run 3	0.0000 ppm	0.0004 ppm	0.0002 ppm	0.0007 ppm	0.6277 ppm	4.4430 ppm	0.0015 ppm
Concentration RSD	1,473.5 %	60.5 %	45.9 %	28.7 %	1.4 %	1.7 %	14.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.1302 ppm	0.2931 ppm	0.0012 ppm	96.0583 ppm	-0.0004 ppm	0.0032 ppm	-0.0002 ppm
Concentration per Run 1	4.1308 ppm	0.2985 ppm	0.0014 ppm	97.8651 ppm	-0.0004 ppm	0.0026 ppm	0.0003 ppm
Concentration per Run 2	4.1198 ppm	0.2911 ppm	0.0011 ppm	95.2248 ppm	-0.0004 ppm	0.0029 ppm	0.0003 ppm
Concentration per Run 3	4.1400 ppm	0.2899 ppm	0.0011 ppm	95.0850 ppm	-0.0005 ppm	0.0041 ppm	-0.0012 ppm
Concentration RSD	0.2 %	1.6 %	14.1 %	1.6 %	7.0 %	25.4 %	468.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	3.3281 ppm	0.0010 ppm	0.1253 ppm	0.0003 ppm	0.0012 ppm	-0.0001 ppm
Concentration per Run 1	-0.0007 ppm	3.2618 ppm	0.0009 ppm	0.1276 ppm	0.0003 ppm	0.0021 ppm	-0.0001 ppm
Concentration per Run 2	0.0018 ppm	3.3366 ppm	0.0011 ppm	0.1241 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 3	-0.0018 ppm	3.3858 ppm	0.0010 ppm	0.1241 ppm	0.0004 ppm	0.0013 ppm	0.0000 ppm
Concentration RSD	839.0 %	1.9 %	10.5 %	1.6 %	29.9 %	64.8 %	100.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0032 ppm	101.4275 %	94.7181 %	92.6231 %	105.3160 %	92.2383 %	99.8207 %
Concentration per Run 1	0.0032 ppm	100.0602 %	94.7524 %	94.6700 %	103.3632 %	94.0162 %	99.6671 %
Concentration per Run 2	0.0032 ppm	102.2119 %	94.9377 %	92.1806 %	106.2058 %	92.1628 %	100.0720 %
Concentration per Run 3	0.0031 ppm	102.0104 %	94.4642 %	91.0187 %	106.3791 %	90.5358 %	99.7230 %
Concentration RSD	1.8 %	1.2 %	0.3 %	2.0 %	1.6 %	1.9 %	0.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2113539-9 WG2113539
 Analysis started at: 9/18/2025 18:46:10
 Comments: <Comment>
 Rack: 1
 Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0463 ppm	2.0109 ppm	0.1272 ppm	0.9800 ppm	2.0189 ppm	0.0503 ppm	28.8329 ppm
Concentration per Run 1	0.0466 ppm	2.0578 ppm	0.1261 ppm	0.9778 ppm	2.0625 ppm	0.0515 ppm	29.4755 ppm
Concentration per Run 2	0.0462 ppm	1.9921 ppm	0.1277 ppm	0.9798 ppm	1.9960 ppm	0.0496 ppm	28.5216 ppm
Concentration per Run 3	0.0462 ppm	1.9827 ppm	0.1277 ppm	0.9825 ppm	1.9980 ppm	0.0497 ppm	28.5017 ppm
Concentration RSD	0.5 %	2.0 %	0.7 %	0.2 %	1.9 %	2.1 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0550 ppm	0.4613 ppm	0.2073 ppm	0.2328 ppm	1.6164 ppm	14.3942 ppm	0.0018 ppm
Concentration per Run 1	0.0549 ppm	0.4614 ppm	0.2070 ppm	0.2325 ppm	1.6514 ppm	14.6886 ppm	0.0009 ppm
Concentration per Run 2	0.0549 ppm	0.4611 ppm	0.2076 ppm	0.2328 ppm	1.5982 ppm	14.2912 ppm	0.0021 ppm
Concentration per Run 3	0.0551 ppm	0.4614 ppm	0.2074 ppm	0.2330 ppm	1.5996 ppm	14.2027 ppm	0.0023 ppm
Concentration RSD	0.2 %	0.0 %	0.2 %	0.1 %	1.9 %	1.8 %	41.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.3598 ppm	0.7760 ppm	0.9856 ppm	103.6285 ppm	0.4984 ppm	0.5389 ppm	0.4606 ppm
Concentration per Run 1	14.3529 ppm	0.7937 ppm	0.9823 ppm	105.8347 ppm	0.4980 ppm	0.5390 ppm	0.4580 ppm
Concentration per Run 2	14.3722 ppm	0.7672 ppm	0.9855 ppm	102.5288 ppm	0.4977 ppm	0.5383 ppm	0.4598 ppm
Concentration per Run 3	14.3545 ppm	0.7670 ppm	0.9889 ppm	102.5219 ppm	0.4994 ppm	0.5393 ppm	0.4641 ppm
Concentration RSD	0.1 %	2.0 %	0.3 %	1.8 %	0.2 %	0.1 %	0.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1210 ppm	4.2289 ppm	0.9548 ppm	1.0933 ppm	1.0364 ppm	0.1139 ppm	0.5276 ppm
Concentration per Run 1	0.1226 ppm	4.2230 ppm	0.9535 ppm	1.1165 ppm	1.0337 ppm	0.1140 ppm	0.5263 ppm
Concentration per Run 2	0.1188 ppm	4.2257 ppm	0.9562 ppm	1.0818 ppm	1.0390 ppm	0.1140 ppm	0.5274 ppm
Concentration per Run 3	0.1217 ppm	4.2380 ppm	0.9546 ppm	1.0817 ppm	1.0365 ppm	0.1137 ppm	0.5290 ppm
Concentration RSD	1.6 %	0.2 %	0.1 %	1.8 %	0.3 %	0.1 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5382 ppm	101.0280 %	93.5242 %	93.2546 %	104.4373 %	92.5847 %	98.5463 %
Concentration per Run 1	0.5380 ppm	100.1039 %	93.6905 %	93.4582 %	102.4950 %	92.6892 %	98.5381 %
Concentration per Run 2	0.5386 ppm	101.4954 %	93.4860 %	92.9715 %	105.1959 %	92.6691 %	98.4834 %
Concentration per Run 3	0.5379 ppm	101.4846 %	93.3962 %	93.3341 %	105.6210 %	92.3958 %	98.6173 %
Concentration RSD	0.1 %	0.8 %	0.2 %	0.3 %	1.6 %	0.2 %	0.1 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2113539-10d5 WG2113539
 Analysis started at: 9/18/2025 18:50:23
 Comments: <Comment>
 Rack: 1
 Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0055 ppm	0.0013 ppm	0.0077 ppm	0.0149 ppm	0.0000 ppm	4.0031 ppm
Concentration per Run 1	0.0000 ppm	-0.0015 ppm	-0.0014 ppm	0.0077 ppm	0.0151 ppm	0.0000 ppm	4.0495 ppm
Concentration per Run 2	0.0001 ppm	0.0043 ppm	0.0033 ppm	0.0077 ppm	0.0146 ppm	0.0000 ppm	3.9525 ppm
Concentration per Run 3	0.0003 ppm	0.0137 ppm	0.0020 ppm	0.0076 ppm	0.0149 ppm	0.0000 ppm	4.0072 ppm
Concentration RSD	133.9 %	139.1 %	187.5 %	0.6 %	1.9 %	537.6 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0005 ppm	-0.0006 ppm	0.1346 ppm	0.9146 ppm	0.0008 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0006 ppm	0.1364 ppm	0.9479 ppm	0.0000 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	-0.0005 ppm	0.1315 ppm	0.8973 ppm	0.0013 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0005 ppm	-0.0005 ppm	0.1359 ppm	0.8985 ppm	0.0012 ppm
Concentration RSD	51.2 %	258.7 %	5.1 %	6.3 %	2.0 %	3.2 %	91.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.8536 ppm	0.0604 ppm	0.0011 ppm	19.3670 ppm	-0.0005 ppm	0.0016 ppm	0.0014 ppm
Concentration per Run 1	0.8466 ppm	0.0611 ppm	0.0013 ppm	19.5736 ppm	-0.0010 ppm	0.0010 ppm	0.0018 ppm
Concentration per Run 2	0.8608 ppm	0.0600 ppm	0.0010 ppm	19.1522 ppm	-0.0007 ppm	0.0015 ppm	0.0021 ppm
Concentration per Run 3	0.8534 ppm	0.0602 ppm	0.0009 ppm	19.3752 ppm	0.0002 ppm	0.0023 ppm	0.0004 ppm
Concentration RSD	0.8 %	0.9 %	17.4 %	1.1 %	120.2 %	43.1 %	62.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0020 ppm	0.6538 ppm	0.0013 ppm	0.0260 ppm	0.0001 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run 1	0.0040 ppm	0.6507 ppm	0.0021 ppm	0.0265 ppm	0.0001 ppm	0.0012 ppm	0.0003 ppm
Concentration per Run 2	0.0008 ppm	0.6589 ppm	0.0008 ppm	0.0256 ppm	0.0001 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 3	0.0010 ppm	0.6519 ppm	0.0008 ppm	0.0261 ppm	0.0002 ppm	0.0006 ppm	-0.0002 ppm
Concentration RSD	90.0 %	0.7 %	58.4 %	1.7 %	28.3 %	66.8 %	193.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0016 ppm	99.4694 %	95.3123 %	94.3506 %	103.2348 %	95.5013 %	100.4328 %
Concentration per Run 1	0.0017 ppm	98.8212 %	95.3913 %	94.7236 %	102.1144 %	95.7099 %	100.4486 %
Concentration per Run 2	0.0016 ppm	100.2984 %	95.0032 %	93.9237 %	104.8239 %	95.1145 %	100.0994 %
Concentration per Run 3	0.0016 ppm	99.2886 %	95.5422 %	94.4046 %	102.7662 %	95.6795 %	100.7505 %
Concentration RSD	4.0 %	0.8 %	0.3 %	0.4 %	1.4 %	0.4 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556330-06 WG2113539
 Analysis started at: 9/18/2025 18:54:53
 Comments: <Comment>
 Rack: 1
 Vial: 27

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0025 ppm	0.0024 ppm	0.0061 ppm	0.0062 ppm	0.0000 ppm	3.9412 ppm
Concentration per Run 1	0.0000 ppm	0.0041 ppm	0.0027 ppm	0.0058 ppm	0.0065 ppm	0.0000 ppm	3.9959 ppm
Concentration per Run 2	0.0006 ppm	-0.0066 ppm	0.0035 ppm	0.0061 ppm	0.0060 ppm	0.0000 ppm	3.9143 ppm
Concentration per Run 3	0.0001 ppm	0.0100 ppm	0.0009 ppm	0.0063 ppm	0.0062 ppm	0.0000 ppm	3.9134 ppm
Concentration RSD	144.9 %	336.5 %	57.7 %	3.6 %	3.6 %	1,898.6 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0007 ppm	0.0817 ppm	0.8786 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0003 ppm	-0.0007 ppm	0.0824 ppm	0.8716 ppm	-0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0000 ppm	-0.0004 ppm	0.0802 ppm	0.8834 ppm	-0.0003 ppm
Concentration per Run 3	-0.0001 ppm	0.0003 ppm	-0.0001 ppm	-0.0010 ppm	0.0824 ppm	0.8807 ppm	0.0010 ppm
Concentration RSD	69.7 %	555.0 %	278.3 %	41.6 %	1.6 %	0.7 %	846.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.1479 ppm	0.0129 ppm	0.0003 ppm	7.8227 ppm	-0.0008 ppm	0.0018 ppm	-0.0002 ppm
Concentration per Run 1	1.1266 ppm	0.0129 ppm	0.0005 ppm	7.9295 ppm	-0.0009 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run 2	1.1036 ppm	0.0127 ppm	0.0002 ppm	7.7418 ppm	-0.0007 ppm	0.0025 ppm	-0.0008 ppm
Concentration per Run 3	1.2135 ppm	0.0132 ppm	0.0003 ppm	7.7968 ppm	-0.0008 ppm	0.0018 ppm	0.0002 ppm
Concentration RSD	5.0 %	1.9 %	45.5 %	1.2 %	12.5 %	38.7 %	282.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	2.4874 ppm	0.0003 ppm	0.0371 ppm	0.0002 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run 1	-0.0036 ppm	2.4837 ppm	0.0002 ppm	0.0375 ppm	0.0002 ppm	0.0023 ppm	0.0000 ppm
Concentration per Run 2	-0.0002 ppm	2.4766 ppm	0.0004 ppm	0.0368 ppm	0.0001 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run 3	0.0017 ppm	2.5020 ppm	0.0003 ppm	0.0369 ppm	0.0002 ppm	0.0006 ppm	0.0000 ppm
Concentration RSD	382.2 %	0.5 %	40.3 %	1.0 %	49.2 %	165.3 %	58.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0009 ppm	101.8833 %	96.4062 %	95.3368 %	105.1622 %	97.9112 %	101.4237 %
Concentration per Run 1	0.0008 ppm	101.3407 %	98.0228 %	95.8564 %	103.8957 %	98.1494 %	102.6552 %
Concentration per Run 2	0.0009 ppm	102.2872 %	99.8900 %	95.4840 %	105.9828 %	98.3006 %	104.9768 %
Concentration per Run 3	0.0010 ppm	102.0220 %	91.3058 %	94.6699 %	105.6081 %	97.2835 %	96.6393 %
Concentration RSD	11.2 %	0.5 %	4.7 %	0.6 %	1.1 %	0.6 %	4.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556330-09 WG2113539
 Analysis started at: 9/18/2025 18:59:19
 Comments: <Comment>
 Rack: 1
 Vial: 28

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0051 ppm	-0.0009 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0128 ppm
Concentration per Run 1	0.0002 ppm	-0.0040 ppm	0.0007 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0074 ppm
Concentration per Run 2	0.0000 ppm	0.0151 ppm	-0.0021 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0186 ppm
Concentration per Run 3	0.0000 ppm	0.0041 ppm	-0.0013 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0126 ppm
Concentration RSD	187.6 %	188.7 %	159.7 %	17.4 %	44.9 %	119.3 %	43.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0002 ppm	0.0109 ppm	-0.0008 ppm	0.0793 ppm	0.0238 ppm	-0.0002 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0113 ppm	-0.0007 ppm	0.0805 ppm	0.0170 ppm	-0.0007 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0106 ppm	-0.0008 ppm	0.0781 ppm	0.0205 ppm	0.0011 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0108 ppm	-0.0009 ppm	0.0793 ppm	0.0339 ppm	-0.0009 ppm
Concentration RSD	60.6 %	41.4 %	2.9 %	16.9 %	1.6 %	37.5 %	703.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0046 ppm	0.0013 ppm	0.0001 ppm	0.0290 ppm	0.0012 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run 1	0.0066 ppm	0.0015 ppm	0.0001 ppm	0.0327 ppm	0.0015 ppm	0.0008 ppm	-0.0002 ppm
Concentration per Run 2	0.0037 ppm	0.0012 ppm	0.0000 ppm	0.0233 ppm	0.0011 ppm	0.0013 ppm	-0.0002 ppm
Concentration per Run 3	0.0034 ppm	0.0011 ppm	0.0001 ppm	0.0310 ppm	0.0010 ppm	0.0014 ppm	0.0004 ppm
Concentration RSD	38.8 %	12.3 %	72.4 %	17.3 %	20.8 %	27.4 %	2,043.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	0.0138 ppm	0.0006 ppm	0.0004 ppm	0.0001 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 1	-0.0008 ppm	0.0138 ppm	0.0003 ppm	0.0004 ppm	-0.0001 ppm	0.0010 ppm	0.0004 ppm
Concentration per Run 2	0.0018 ppm	0.0138 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run 3	0.0011 ppm	0.0137 ppm	0.0013 ppm	0.0005 ppm	0.0002 ppm	0.0012 ppm	0.0000 ppm
Concentration RSD	185.9 %	0.4 %	97.5 %	17.1 %	300.3 %	182.1 %	438.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	102.1283 %	98.5546 %	97.9460 %	104.7155 %	100.7458 %	102.5315 %
Concentration per Run 1	0.0008 ppm	101.5846 %	97.9928 %	97.9239 %	103.4204 %	100.4907 %	102.2160 %
Concentration per Run 2	0.0008 ppm	102.0755 %	98.8440 %	97.4949 %	104.9422 %	100.1064 %	102.5831 %
Concentration per Run 3	0.0009 ppm	102.7247 %	98.8271 %	98.4192 %	105.7839 %	101.6404 %	102.7954 %
Concentration RSD	5.0 %	0.6 %	0.5 %	0.5 %	1.1 %	0.8 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556330-12 WG2113539
 Analysis started at: 9/18/2025 19:06:43
 Comments: <Comment>
 Rack: 1
 Vial: 29

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0297 ppm	0.0021 ppm	0.0109 ppm	0.0088 ppm	0.0000 ppm	7.5108 ppm
Concentration per Run 1	-0.0001 ppm	0.0273 ppm	0.0026 ppm	0.0111 ppm	0.0089 ppm	0.0000 ppm	7.5914 ppm
Concentration per Run 2	0.0003 ppm	0.0333 ppm	0.0025 ppm	0.0104 ppm	0.0087 ppm	0.0000 ppm	7.4653 ppm
Concentration per Run 3	0.0000 ppm	0.0285 ppm	0.0012 ppm	0.0111 ppm	0.0088 ppm	0.0000 ppm	7.4757 ppm
Concentration RSD	414.1 %	10.8 %	38.4 %	3.7 %	1.5 %	169.3 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0003 ppm	-0.0006 ppm	0.3858 ppm	1.8884 ppm	0.0001 ppm
Concentration per Run 1	-0.0001 ppm	0.0005 ppm	0.0000 ppm	-0.0005 ppm	0.3908 ppm	1.9307 ppm	0.0005 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0006 ppm	-0.0006 ppm	0.3843 ppm	1.8599 ppm	0.0006 ppm
Concentration per Run 3	-0.0001 ppm	0.0004 ppm	0.0004 ppm	-0.0008 ppm	0.3824 ppm	1.8746 ppm	-0.0007 ppm
Concentration RSD	13.3 %	83.3 %	103.0 %	28.1 %	1.1 %	2.0 %	551.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.7625 ppm	0.0405 ppm	0.0002 ppm	34.9272 ppm	-0.0001 ppm	0.0016 ppm	-0.0008 ppm
Concentration per Run 1	2.7684 ppm	0.0412 ppm	0.0001 ppm	35.2656 ppm	-0.0004 ppm	0.0014 ppm	-0.0001 ppm
Concentration per Run 2	2.7679 ppm	0.0399 ppm	0.0002 ppm	34.8063 ppm	0.0000 ppm	0.0009 ppm	-0.0018 ppm
Concentration per Run 3	2.7513 ppm	0.0405 ppm	0.0001 ppm	34.7096 ppm	0.0000 ppm	0.0024 ppm	-0.0005 ppm
Concentration RSD	0.4 %	1.6 %	27.4 %	0.9 %	119.9 %	48.2 %	109.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	2.2128 ppm	0.0006 ppm	0.0750 ppm	0.0003 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run 1	0.0026 ppm	2.2074 ppm	0.0001 ppm	0.0757 ppm	0.0003 ppm	0.0006 ppm	0.0005 ppm
Concentration per Run 2	0.0004 ppm	2.2139 ppm	0.0017 ppm	0.0749 ppm	0.0002 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 3	-0.0004 ppm	2.2171 ppm	0.0000 ppm	0.0746 ppm	0.0003 ppm	0.0029 ppm	0.0000 ppm
Concentration RSD	182.4 %	0.2 %	151.5 %	0.8 %	25.0 %	103.9 %	133.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	100.1235 %	95.3441 %	95.5595 %	104.9907 %	97.2346 %	101.3082 %
Concentration per Run 1	0.0008 ppm	99.5731 %	95.1534 %	95.6927 %	103.8209 %	97.6259 %	101.0573 %
Concentration per Run 2	0.0010 ppm	100.5155 %	95.3516 %	95.5534 %	106.0714 %	97.1945 %	101.3956 %
Concentration per Run 3	0.0012 ppm	100.2820 %	95.5274 %	95.4324 %	105.0799 %	96.8834 %	101.4719 %
Concentration RSD	18.9 %	0.5 %	0.2 %	0.1 %	1.1 %	0.4 %	0.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556330-15 WG2113539
 Analysis started at: 9/18/2025 19:11:10
 Comments: <Comment>
 Rack: 1
 Vial: 30

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0078 ppm	-0.0010 ppm	0.0320 ppm	0.0331 ppm	0.0000 ppm	20.6609 ppm
Concentration per Run 1	0.0003 ppm	0.0040 ppm	-0.0021 ppm	0.0321 ppm	0.0334 ppm	0.0000 ppm	20.8976 ppm
Concentration per Run 2	-0.0003 ppm	0.0100 ppm	0.0005 ppm	0.0323 ppm	0.0330 ppm	0.0000 ppm	20.6209 ppm
Concentration per Run 3	0.0001 ppm	0.0094 ppm	-0.0014 ppm	0.0316 ppm	0.0330 ppm	0.0001 ppm	20.4643 ppm
Concentration RSD	1,280.0 %	42.9 %	131.1 %	1.0 %	0.8 %	81.1 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.0007 ppm	0.0064 ppm	7.3645 ppm	0.0012 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0007 ppm	0.0058 ppm	7.4505 ppm	0.0011 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0006 ppm	0.0009 ppm	0.0071 ppm	7.3439 ppm	0.0015 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0007 ppm	0.0007 ppm	0.0064 ppm	7.2992 ppm	0.0011 ppm
Concentration RSD	31.8 %	431.7 %	10.4 %	13.4 %	9.6 %	1.1 %	17.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.8144 ppm	0.0025 ppm	0.0001 ppm	91.3419 ppm	0.0001 ppm	0.0030 ppm	-0.0009 ppm
Concentration per Run 1	3.8253 ppm	0.0025 ppm	0.0002 ppm	92.3187 ppm	0.0004 ppm	0.0035 ppm	-0.0005 ppm
Concentration per Run 2	3.8094 ppm	0.0028 ppm	0.0000 ppm	90.9650 ppm	-0.0002 ppm	0.0026 ppm	-0.0004 ppm
Concentration per Run 3	3.8086 ppm	0.0022 ppm	0.0001 ppm	90.7422 ppm	0.0000 ppm	0.0028 ppm	-0.0018 ppm
Concentration RSD	0.2 %	11.2 %	108.2 %	0.9 %	535.0 %	16.6 %	88.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0020 ppm	3.0860 ppm	0.0001 ppm	0.1189 ppm	0.0002 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 1	0.0009 ppm	3.0702 ppm	0.0000 ppm	0.1203 ppm	0.0003 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 2	0.0018 ppm	3.1096 ppm	0.0005 ppm	0.1183 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 3	0.0033 ppm	3.0782 ppm	-0.0002 ppm	0.1181 ppm	0.0002 ppm	-0.0001 ppm	0.0003 ppm
Concentration RSD	59.5 %	0.7 %	304.1 %	1.0 %	28.3 %	115.4 %	165.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0057 ppm	101.6595 %	94.4498 %	93.2920 %	105.4523 %	93.3309 %	99.4890 %
Concentration per Run 1	0.0056 ppm	101.1779 %	94.5485 %	93.9217 %	104.4770 %	93.8858 %	99.4625 %
Concentration per Run 2	0.0058 ppm	101.6917 %	94.1938 %	92.7327 %	105.3966 %	92.6290 %	99.2300 %
Concentration per Run 3	0.0056 ppm	102.1090 %	94.6069 %	93.2215 %	106.4833 %	93.4779 %	99.7745 %
Concentration RSD	2.0 %	0.5 %	0.2 %	0.6 %	1.0 %	0.7 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556330-18 WG2113539
 Analysis started at: 9/18/2025 19:15:39
 Comments: <Comment>
 Rack: 1
 Vial: 31

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	0.0058 ppm	0.0020 ppm	0.0344 ppm	0.0217 ppm	0.0000 ppm	13.9924 ppm
Concentration per Run 1	0.0004 ppm	0.0066 ppm	0.0024 ppm	0.0345 ppm	0.0220 ppm	0.0000 ppm	14.2117 ppm
Concentration per Run 2	0.0005 ppm	0.0020 ppm	0.0000 ppm	0.0345 ppm	0.0215 ppm	0.0000 ppm	13.8438 ppm
Concentration per Run 3	0.0003 ppm	0.0087 ppm	0.0037 ppm	0.0342 ppm	0.0215 ppm	0.0000 ppm	13.9217 ppm
Concentration RSD	22.2 %	59.2 %	92.3 %	0.5 %	1.3 %	6,233.9 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0011 ppm	0.0000 ppm	0.1116 ppm	2.8886 ppm	0.0005 ppm
Concentration per Run 1	-0.0001 ppm	0.0003 ppm	0.0010 ppm	0.0000 ppm	0.1136 ppm	2.9463 ppm	0.0003 ppm
Concentration per Run 2	-0.0001 ppm	0.0004 ppm	0.0009 ppm	0.0000 ppm	0.1091 ppm	2.8601 ppm	-0.0003 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0013 ppm	0.0001 ppm	0.1121 ppm	2.8594 ppm	0.0016 ppm
Concentration RSD	44.6 %	140.8 %	16.1 %	41.5 %	2.1 %	1.7 %	192.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.8283 ppm	0.0590 ppm	0.0005 ppm	43.7355 ppm	0.0003 ppm	0.0023 ppm	-0.0005 ppm
Concentration per Run 1	2.8190 ppm	0.0595 ppm	0.0006 ppm	44.4070 ppm	0.0002 ppm	0.0021 ppm	0.0004 ppm
Concentration per Run 2	2.8263 ppm	0.0590 ppm	0.0003 ppm	43.2649 ppm	0.0004 ppm	0.0024 ppm	-0.0018 ppm
Concentration per Run 3	2.8396 ppm	0.0584 ppm	0.0004 ppm	43.5347 ppm	0.0003 ppm	0.0025 ppm	-0.0001 ppm
Concentration RSD	0.4 %	0.9 %	29.7 %	1.4 %	37.8 %	9.4 %	222.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	3.6830 ppm	0.0006 ppm	0.1003 ppm	0.0002 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run 1	0.0029 ppm	3.7111 ppm	0.0005 ppm	0.1021 ppm	0.0002 ppm	0.0004 ppm	0.0003 ppm
Concentration per Run 2	-0.0019 ppm	3.6723 ppm	0.0014 ppm	0.0992 ppm	0.0002 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 3	0.0001 ppm	3.6656 ppm	0.0000 ppm	0.0997 ppm	0.0003 ppm	0.0008 ppm	0.0003 ppm
Concentration RSD	654.0 %	0.7 %	115.7 %	1.5 %	12.2 %	45.5 %	29.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0061 ppm	101.8111 %	95.1646 %	92.5695 %	105.8111 %	94.2002 %	100.7519 %
Concentration per Run 1	0.0059 ppm	100.6413 %	95.4547 %	92.0840 %	104.3107 %	93.7686 %	101.0260 %
Concentration per Run 2	0.0062 ppm	102.5713 %	95.3336 %	92.8792 %	106.7598 %	94.4171 %	100.9240 %
Concentration per Run 3	0.0060 ppm	102.2206 %	94.7055 %	92.7453 %	106.3628 %	94.4149 %	100.3055 %
Concentration RSD	2.3 %	1.0 %	0.4 %	0.5 %	1.2 %	0.4 %	0.4 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCV
 Analysis started at: 9/18/2025 19:20:07
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4575 ppm	0.4830 ppm	0.5108 ppm	0.4700 ppm	0.4827 ppm	0.4936 ppm	0.4774 ppm
Concentration per Run 1	0.4576 ppm	0.4888 ppm	0.5021 ppm	0.4625 ppm	0.4883 ppm	0.4995 ppm	0.4843 ppm
Concentration per Run 2	0.4580 ppm	0.4818 ppm	0.5037 ppm	0.4646 ppm	0.4789 ppm	0.4891 ppm	0.4692 ppm
Concentration per Run 3	0.4570 ppm	0.4785 ppm	0.5268 ppm	0.4827 ppm	0.4809 ppm	0.4922 ppm	0.4788 ppm
Recovery Percentage 1	91.506 %	96.609 %	102.169 %	93.991 %	96.541 %	98.724 %	95.486 %
Concentration RSD	0.1 %	1.1 %	2.7 %	2.4 %	1.0 %	1.1 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5236 ppm	0.4815 ppm	0.5297 ppm	0.4719 ppm	0.5086 ppm	4.9562 ppm	0.4896 ppm
Concentration per Run 1	0.5156 ppm	0.4740 ppm	0.5289 ppm	0.4717 ppm	0.5154 ppm	5.0080 ppm	0.4959 ppm
Concentration per Run 2	0.5184 ppm	0.4761 ppm	0.5309 ppm	0.4726 ppm	0.5031 ppm	4.9279 ppm	0.4865 ppm
Concentration per Run 3	0.5369 ppm	0.4945 ppm	0.5293 ppm	0.4715 ppm	0.5073 ppm	4.9327 ppm	0.4864 ppm
Recovery Percentage 1	104.728 %	96.306 %	105.942 %	94.390 %	101.722 %	99.124 %	97.926 %
Concentration RSD	2.2 %	2.3 %	0.2 %	0.1 %	1.2 %	0.9 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5333 ppm	0.5008 ppm	0.4986 ppm	9.1254 ppm	0.5186 ppm	0.5302 ppm	0.4775 ppm
Concentration per Run 1	0.5315 ppm	0.5069 ppm	0.4908 ppm	9.2300 ppm	0.5112 ppm	0.5216 ppm	0.4683 ppm
Concentration per Run 2	0.5343 ppm	0.4963 ppm	0.4933 ppm	9.0424 ppm	0.5135 ppm	0.5245 ppm	0.4730 ppm
Concentration per Run 3	0.5341 ppm	0.4992 ppm	0.5117 ppm	9.1037 ppm	0.5313 ppm	0.5444 ppm	0.4912 ppm
Recovery Percentage 1	106.657 %	100.164 %	99.721 %	91.254 %	103.728 %	106.033 %	95.497 %
Concentration RSD	0.3 %	1.1 %	2.3 %	1.0 %	2.1 %	2.3 %	2.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4944 ppm	5.4329 ppm	0.4902 ppm	0.4924 ppm	0.5236 ppm	0.4955 ppm	0.5323 ppm
Concentration per Run 1	0.4888 ppm	5.3468 ppm	0.4811 ppm	0.4979 ppm	0.5228 ppm	0.4892 ppm	0.5312 ppm
Concentration per Run 2	0.4890 ppm	5.3760 ppm	0.4860 ppm	0.4883 ppm	0.5250 ppm	0.4903 ppm	0.5340 ppm
Concentration per Run 3	0.5054 ppm	5.5759 ppm	0.5036 ppm	0.4909 ppm	0.5229 ppm	0.5071 ppm	0.5317 ppm
Recovery Percentage 1	98.879 %	103.484 %	98.050 %	98.474 %	104.712 %	99.107 %	106.462 %
Concentration RSD	1.9 %	2.3 %	2.4 %	1.0 %	0.2 %	2.0 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5399 ppm	100.3428 %	96.2787 %	93.2363 %	105.7438 %	95.8016 %	102.4073 %
Concentration per Run 1	0.5324 ppm	99.7509 %	96.5769 %	94.6032 %	104.9574 %	97.0209 %	102.6977 %
Concentration per Run 2	0.5341 ppm	100.7052 %	96.0519 %	94.1197 %	106.0747 %	96.7837 %	102.1654 %
Concentration per Run 3	0.5532 ppm	100.5724 %	96.2072 %	90.9860 %	106.1992 %	93.6002 %	102.3588 %
Recovery Percentage 1	107.980 %						
Concentration RSD	2.1 %	0.5 %	0.3 %	2.1 %	0.6 %	2.0 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCB
 Analysis started at: 9/18/2025 19:24:21
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0075 ppm	-0.0004 ppm	0.0007 ppm	0.0002 ppm	0.0000 ppm	-0.0050 ppm
Concentration per Run 1	0.0001 ppm	0.0095 ppm	-0.0025 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	-0.0084 ppm
Concentration per Run 2	-0.0008 ppm	0.0063 ppm	0.0009 ppm	0.0006 ppm	0.0002 ppm	0.0000 ppm	-0.0060 ppm
Concentration per Run 3	0.0000 ppm	0.0068 ppm	0.0003 ppm	0.0008 ppm	0.0002 ppm	0.0000 ppm	-0.0005 ppm
Recovery Percentage 1	-4.359 %	7.549 %	-8.578 %	2.347 %	1.676 %	-0.227 %	-4.958 %
Concentration RSD	211.5 %	22.5 %	426.6 %	15.7 %	30.3 %	94.5 %	81.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0012 ppm	0.0017 ppm	0.0281 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0012 ppm	0.0022 ppm	0.0007 ppm	-0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0001 ppm	-0.0009 ppm	0.0014 ppm	0.0309 ppm	-0.0004 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0014 ppm	0.0015 ppm	0.0528 ppm	0.0015 ppm
Recovery Percentage 1	-1.627 %	0.478 %	1.017 %	-11.668 %	3.375 %	1.125 %	1.182 %
Concentration RSD	90.8 %	422.7 %	10.3 %	21.5 %	24.2 %	93.0 %	983.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0003 ppm	-0.0001 ppm	0.0002 ppm	0.0336 ppm	-0.0006 ppm	0.0010 ppm	0.0004 ppm
Concentration per Run 1	-0.0015 ppm	-0.0003 ppm	0.0003 ppm	0.0389 ppm	-0.0004 ppm	0.0011 ppm	-0.0002 ppm
Concentration per Run 2	-0.0005 ppm	-0.0001 ppm	0.0003 ppm	0.0256 ppm	-0.0009 ppm	0.0015 ppm	0.0012 ppm
Concentration per Run 3	0.0030 ppm	0.0000 ppm	0.0001 ppm	0.0364 ppm	-0.0004 ppm	0.0005 ppm	0.0002 ppm
Recovery Percentage 1	0.341 %	-1.252 %	0.484 %	1.680 %	-2.250 %	10.437 %	0.787 %
Concentration RSD	700.2 %	124.8 %	47.3 %	21.0 %	47.2 %	52.0 %	180.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	-0.0004 ppm	0.0008 ppm	0.0003 ppm	0.0001 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run 1	0.0027 ppm	-0.0001 ppm	0.0013 ppm	0.0003 ppm	-0.0001 ppm	0.0022 ppm	0.0000 ppm
Concentration per Run 2	-0.0006 ppm	-0.0005 ppm	0.0011 ppm	0.0003 ppm	0.0003 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 3	-0.0001 ppm	-0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0017 ppm	0.0001 ppm
Recovery Percentage 1	6.819 %	-0.080 %	1.658 %	2.622 %	1.225 %	7.811 %	0.689 %
Concentration RSD	265.1 %	56.3 %	80.0 %	7.3 %	159.9 %	46.0 %	48.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	101.1062 %	96.9871 %	95.3546 %	103.8760 %	98.1332 %	101.1058 %
Concentration per Run 1	0.0003 ppm	100.2535 %	97.5554 %	95.7316 %	102.4751 %	98.4244 %	101.5485 %
Concentration per Run 2	0.0003 ppm	101.2398 %	100.6937 %	95.3853 %	104.2416 %	98.1657 %	104.9852 %
Concentration per Run 3	0.0000 ppm	101.8252 %	92.7121 %	94.9470 %	104.9113 %	97.8096 %	96.7837 %
Recovery Percentage 1	3.525 %						
Concentration RSD	107.9 %	0.8 %	4.1 %	0.4 %	1.2 %	0.3 %	4.1 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556324-01 WG2113539
 Analysis started at: 9/18/2025 19:40:04
 Comments: <Comment>
 Rack: 1
 Vial: 32

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0109 ppm	0.0021 ppm	0.0141 ppm	0.0123 ppm	0.0000 ppm	9.3543 ppm
Concentration per Run 1	-0.0002 ppm	0.0122 ppm	0.0013 ppm	0.0137 ppm	0.0122 ppm	0.0000 ppm	9.3275 ppm
Concentration per Run 2	0.0003 ppm	0.0094 ppm	0.0039 ppm	0.0143 ppm	0.0125 ppm	0.0000 ppm	9.5283 ppm
Concentration per Run 3	0.0004 ppm	0.0112 ppm	0.0012 ppm	0.0143 ppm	0.0121 ppm	0.0000 ppm	9.2070 ppm
Concentration RSD	177.4 %	13.1 %	71.4 %	2.3 %	1.6 %	34.6 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0012 ppm	-0.0003 ppm	0.3824 ppm	2.3268 ppm	-0.0007 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0014 ppm	-0.0004 ppm	0.3818 ppm	2.2922 ppm	-0.0012 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0013 ppm	-0.0004 ppm	0.3915 ppm	2.3738 ppm	-0.0008 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0009 ppm	-0.0002 ppm	0.3739 ppm	2.3145 ppm	-0.0001 ppm
Concentration RSD	48.6 %	5,102.4 %	23.2 %	41.4 %	2.3 %	1.8 %	74.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.8848 ppm	0.0531 ppm	0.0000 ppm	42.7547 ppm	0.0001 ppm	0.0026 ppm	-0.0011 ppm
Concentration per Run 1	2.8910 ppm	0.0530 ppm	0.0000 ppm	42.4963 ppm	-0.0001 ppm	0.0036 ppm	-0.0022 ppm
Concentration per Run 2	2.8770 ppm	0.0540 ppm	-0.0002 ppm	43.6808 ppm	0.0003 ppm	0.0022 ppm	-0.0003 ppm
Concentration per Run 3	2.8864 ppm	0.0523 ppm	0.0001 ppm	42.0871 ppm	0.0001 ppm	0.0020 ppm	-0.0008 ppm
Concentration RSD	0.2 %	1.6 %	704.6 %	1.9 %	219.8 %	32.6 %	90.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	2.1759 ppm	0.0003 ppm	0.0831 ppm	0.0001 ppm	0.0014 ppm	0.0002 ppm
Concentration per Run 1	-0.0038 ppm	2.1544 ppm	-0.0001 ppm	0.0827 ppm	0.0002 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run 2	0.0016 ppm	2.1910 ppm	0.0009 ppm	0.0849 ppm	0.0002 ppm	0.0017 ppm	0.0002 ppm
Concentration per Run 3	0.0007 ppm	2.1823 ppm	0.0001 ppm	0.0818 ppm	0.0000 ppm	0.0009 ppm	0.0003 ppm
Concentration RSD	558.5 %	0.9 %	161.4 %	2.0 %	114.3 %	30.0 %	42.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0015 ppm	101.7399 %	96.3471 %	95.2668 %	105.8060 %	96.3610 %	101.4928 %
Concentration per Run 1	0.0015 ppm	102.9825 %	96.0882 %	96.2235 %	106.4811 %	97.1947 %	101.1089 %
Concentration per Run 2	0.0015 ppm	99.5764 %	96.5874 %	94.7433 %	103.6162 %	95.8003 %	101.7974 %
Concentration per Run 3	0.0016 ppm	102.6609 %	96.3656 %	94.8335 %	107.3208 %	96.0879 %	101.5721 %
Concentration RSD	2.2 %	1.8 %	0.3 %	0.9 %	1.8 %	0.8 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556324-04 WG2113539
 Analysis started at: 9/18/2025 19:44:31
 Comments: <Comment>
 Rack: 1
 Vial: 33

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0048 ppm	0.0010 ppm	0.0296 ppm	0.0124 ppm	0.0000 ppm	16.7687 ppm
Concentration per Run 1	0.0002 ppm	0.0013 ppm	0.0007 ppm	0.0300 ppm	0.0128 ppm	0.0000 ppm	17.0843 ppm
Concentration per Run 2	-0.0003 ppm	0.0144 ppm	0.0008 ppm	0.0295 ppm	0.0121 ppm	0.0000 ppm	16.6762 ppm
Concentration per Run 3	0.0001 ppm	-0.0014 ppm	0.0015 ppm	0.0291 ppm	0.0123 ppm	0.0000 ppm	16.5456 ppm
Concentration RSD	4.855.8 %	176.9 %	45.1 %	1.5 %	2.9 %	371.2 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0005 ppm	-0.0001 ppm	0.3248 ppm	3.5385 ppm	0.0012 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0006 ppm	-0.0002 ppm	0.3306 ppm	3.6150 ppm	0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0006 ppm	-0.0003 ppm	0.3244 ppm	3.4993 ppm	0.0014 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.3195 ppm	3.5011 ppm	0.0014 ppm
Concentration RSD	32.2 %	46.0 %	61.3 %	146.7 %	1.7 %	1.9 %	33.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.0504 ppm	0.0619 ppm	0.0004 ppm	47.9529 ppm	0.0001 ppm	0.0014 ppm	-0.0009 ppm
Concentration per Run 1	3.0585 ppm	0.0625 ppm	0.0003 ppm	48.6875 ppm	0.0001 ppm	0.0016 ppm	-0.0009 ppm
Concentration per Run 2	3.0428 ppm	0.0615 ppm	0.0004 ppm	47.7148 ppm	0.0003 ppm	0.0007 ppm	-0.0009 ppm
Concentration per Run 3	3.0498 ppm	0.0616 ppm	0.0006 ppm	47.4566 ppm	0.0000 ppm	0.0020 ppm	-0.0010 ppm
Concentration RSD	0.3 %	0.9 %	40.5 %	1.4 %	141.0 %	48.3 %	5.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0016 ppm	2.3232 ppm	-0.0004 ppm	0.0890 ppm	0.0002 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run 1	0.0003 ppm	2.3222 ppm	-0.0002 ppm	0.0901 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 2	-0.0017 ppm	2.3302 ppm	-0.0012 ppm	0.0887 ppm	0.0002 ppm	0.0023 ppm	0.0002 ppm
Concentration per Run 3	-0.0032 ppm	2.3172 ppm	0.0003 ppm	0.0882 ppm	0.0003 ppm	0.0012 ppm	-0.0003 ppm
Concentration RSD	111.1 %	0.3 %	215.7 %	1.1 %	6.4 %	75.8 %	271.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0026 ppm	102.4742 %	96.0796 %	95.4195 %	105.3056 %	96.3375 %	100.6236 %
Concentration per Run 1	0.0025 ppm	101.1984 %	96.1762 %	95.6625 %	103.3891 %	96.5132 %	100.5439 %
Concentration per Run 2	0.0026 ppm	103.0869 %	95.9720 %	95.5378 %	106.0687 %	96.1061 %	100.5909 %
Concentration per Run 3	0.0025 ppm	103.1372 %	96.0906 %	95.0581 %	106.4592 %	96.3931 %	100.7360 %
Concentration RSD	2.9 %	1.1 %	0.1 %	0.3 %	1.6 %	0.2 %	0.1 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556324-07 WG2113539
 Analysis started at: 9/18/2025 20:00:45
 Comments: <Comment>
 Rack: 1
 Vial: 34

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0085 ppm	0.0030 ppm	0.0200 ppm	0.0123 ppm	0.0000 ppm	12.1617 ppm
Concentration per Run 1	0.0001 ppm	0.0061 ppm	0.0041 ppm	0.0201 ppm	0.0124 ppm	0.0000 ppm	12.3386 ppm
Concentration per Run 2	-0.0005 ppm	0.0056 ppm	0.0035 ppm	0.0194 ppm	0.0123 ppm	0.0000 ppm	12.1385 ppm
Concentration per Run 3	-0.0002 ppm	0.0137 ppm	0.0015 ppm	0.0205 ppm	0.0123 ppm	0.0000 ppm	12.0081 ppm
Concentration RSD	158.2 %	53.8 %	44.0 %	2.7 %	0.7 %	942.9 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	-0.0001 ppm	0.3698 ppm	2.7396 ppm	0.0012 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm	0.3765 ppm	2.7945 ppm	0.0021 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0004 ppm	0.3681 ppm	2.7153 ppm	-0.0003 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0000 ppm	0.3648 ppm	2.7090 ppm	0.0018 ppm
Concentration RSD	28.2 %	26.8 %	36.4 %	153.7 %	1.6 %	1.7 %	109.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.8868 ppm	0.0670 ppm	0.0003 ppm	43.0501 ppm	0.0001 ppm	0.0021 ppm	-0.0003 ppm
Concentration per Run 1	2.8983 ppm	0.0681 ppm	0.0003 ppm	43.6244 ppm	0.0002 ppm	0.0024 ppm	0.0002 ppm
Concentration per Run 2	2.8851 ppm	0.0663 ppm	0.0002 ppm	42.8880 ppm	0.0001 ppm	0.0015 ppm	0.0010 ppm
Concentration per Run 3	2.8769 ppm	0.0667 ppm	0.0002 ppm	42.6379 ppm	0.0000 ppm	0.0023 ppm	-0.0023 ppm
Concentration RSD	0.4 %	1.4 %	17.8 %	1.2 %	170.9 %	25.2 %	517.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	2.2203 ppm	0.0001 ppm	0.0829 ppm	0.0001 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run 1	0.0001 ppm	2.2469 ppm	0.0005 ppm	0.0840 ppm	-0.0002 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run 2	0.0008 ppm	2.1959 ppm	0.0002 ppm	0.0824 ppm	0.0004 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run 3	-0.0001 ppm	2.2181 ppm	-0.0004 ppm	0.0823 ppm	0.0002 ppm	0.0011 ppm	0.0001 ppm
Concentration RSD	159.0 %	1.2 %	447.2 %	1.2 %	283.7 %	9.5 %	1,758.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0020 ppm	101.1619 %	95.3783 %	94.4674 %	105.0617 %	95.6756 %	100.5044 %
Concentration per Run 1	0.0021 ppm	100.5834 %	95.2962 %	93.5808 %	104.0722 %	94.6864 %	100.3929 %
Concentration per Run 2	0.0020 ppm	101.1724 %	95.3875 %	95.4128 %	105.0114 %	96.6445 %	100.5119 %
Concentration per Run 3	0.0019 ppm	101.7300 %	95.4512 %	94.4086 %	106.1016 %	95.6959 %	100.6085 %
Concentration RSD	4.0 %	0.6 %	0.1 %	1.0 %	1.0 %	1.0 %	0.1 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556331-05 WG2113539
 Analysis started at: 9/18/2025 20:05:14
 Comments: <Comment>
 Rack: 1
 Vial: 35

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0162 ppm	0.0009 ppm	0.0144 ppm	0.0512 ppm	0.0000 ppm	11.7356 ppm
Concentration per Run 1	0.0000 ppm	0.0236 ppm	0.0011 ppm	0.0140 ppm	0.0525 ppm	0.0000 ppm	12.0366 ppm
Concentration per Run 2	0.0000 ppm	0.0174 ppm	0.0016 ppm	0.0146 ppm	0.0507 ppm	0.0000 ppm	11.5946 ppm
Concentration per Run 3	0.0001 ppm	0.0076 ppm	0.0001 ppm	0.0146 ppm	0.0505 ppm	0.0000 ppm	11.5756 ppm
Concentration RSD	138.4 %	49.7 %	77.2 %	2.2 %	2.1 %	255.0 %	2.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0011 ppm	-0.0006 ppm	0.1297 ppm	3.0390 ppm	0.0011 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0010 ppm	-0.0007 ppm	0.1341 ppm	3.1004 ppm	0.0010 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0014 ppm	-0.0004 ppm	0.1281 ppm	3.0288 ppm	0.0009 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0009 ppm	-0.0008 ppm	0.1268 ppm	2.9878 ppm	0.0013 ppm
Concentration RSD	95.8 %	140.5 %	23.1 %	32.4 %	3.0 %	1.9 %	15.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.8729 ppm	0.0276 ppm	0.0000 ppm	47.8286 ppm	-0.0004 ppm	0.0026 ppm	-0.0005 ppm
Concentration per Run 1	2.8807 ppm	0.0279 ppm	0.0000 ppm	48.9482 ppm	-0.0006 ppm	0.0025 ppm	-0.0002 ppm
Concentration per Run 2	2.8738 ppm	0.0277 ppm	0.0001 ppm	47.2597 ppm	0.0000 ppm	0.0016 ppm	-0.0011 ppm
Concentration per Run 3	2.8642 ppm	0.0271 ppm	-0.0001 ppm	47.2779 ppm	-0.0005 ppm	0.0036 ppm	-0.0002 ppm
Concentration RSD	0.3 %	1.4 %	1,148.3 %	2.0 %	89.1 %	38.3 %	98.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0021 ppm	4.8421 ppm	0.0005 ppm	0.0909 ppm	0.0001 ppm	0.0006 ppm	0.0004 ppm
Concentration per Run 1	0.0033 ppm	4.8162 ppm	0.0012 ppm	0.0928 ppm	0.0001 ppm	-0.0002 ppm	0.0006 ppm
Concentration per Run 2	0.0010 ppm	4.8880 ppm	-0.0001 ppm	0.0899 ppm	0.0002 ppm	0.0015 ppm	0.0000 ppm
Concentration per Run 3	0.0020 ppm	4.8220 ppm	0.0003 ppm	0.0901 ppm	0.0001 ppm	0.0005 ppm	0.0005 ppm
Concentration RSD	53.8 %	0.8 %	144.9 %	1.8 %	41.2 %	145.7 %	81.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0018 ppm	100.7133 %	95.0238 %	93.7166 %	103.8505 %	94.5985 %	99.7512 %
Concentration per Run 1	0.0016 ppm	98.9569 %	94.8427 %	94.2211 %	101.2461 %	95.1147 %	99.4247 %
Concentration per Run 2	0.0018 ppm	101.7127 %	95.2635 %	92.7617 %	105.3276 %	93.5851 %	100.0431 %
Concentration per Run 3	0.0019 ppm	101.4703 %	94.9652 %	94.1670 %	104.9778 %	95.0957 %	99.7856 %
Concentration RSD	6.8 %	1.5 %	0.2 %	0.9 %	2.2 %	0.9 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556331-08 WG2113539
 Analysis started at: 9/18/2025 20:09:44
 Comments: <Comment>
 Rack: 1
 Vial: 36

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0254 ppm	0.0019 ppm	0.0101 ppm	0.0517 ppm	0.0000 ppm	12.4086 ppm
Concentration per Run 1	0.0000 ppm	0.0292 ppm	0.0021 ppm	0.0103 ppm	0.0526 ppm	0.0000 ppm	12.6392 ppm
Concentration per Run 2	0.0003 ppm	0.0252 ppm	0.0019 ppm	0.0100 ppm	0.0513 ppm	0.0000 ppm	12.3002 ppm
Concentration per Run 3	0.0003 ppm	0.0217 ppm	0.0017 ppm	0.0101 ppm	0.0512 ppm	0.0000 ppm	12.2864 ppm
Concentration RSD	80.3 %	14.7 %	10.0 %	1.9 %	1.5 %	51.3 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0010 ppm	0.0006 ppm	-0.0004 ppm	0.2957 ppm	2.8769 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0012 ppm	0.0008 ppm	-0.0002 ppm	0.3001 ppm	2.9087 ppm	0.0006 ppm
Concentration per Run 2	-0.0001 ppm	0.0008 ppm	0.0008 ppm	-0.0007 ppm	0.2948 ppm	2.8399 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	0.0009 ppm	0.0002 ppm	-0.0004 ppm	0.2922 ppm	2.8820 ppm	-0.0001 ppm
Concentration RSD	26.2 %	20.1 %	55.4 %	53.3 %	1.4 %	1.2 %	119.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.3408 ppm	0.3520 ppm	0.0002 ppm	43.6158 ppm	-0.0009 ppm	0.0037 ppm	-0.0004 ppm
Concentration per Run 1	3.3281 ppm	0.3580 ppm	0.0002 ppm	44.3334 ppm	-0.0004 ppm	0.0036 ppm	-0.0027 ppm
Concentration per Run 2	3.3541 ppm	0.3497 ppm	0.0002 ppm	43.3538 ppm	-0.0013 ppm	0.0032 ppm	0.0022 ppm
Concentration per Run 3	3.3401 ppm	0.3485 ppm	0.0002 ppm	43.1601 ppm	-0.0008 ppm	0.0044 ppm	-0.0006 ppm
Concentration RSD	0.4 %	1.5 %	11.4 %	1.4 %	51.2 %	17.0 %	653.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	6.6607 ppm	0.0003 ppm	0.0784 ppm	0.0004 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 1	-0.0027 ppm	6.8081 ppm	0.0004 ppm	0.0798 ppm	0.0005 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 2	0.0003 ppm	6.5869 ppm	0.0001 ppm	0.0779 ppm	0.0003 ppm	-0.0016 ppm	0.0001 ppm
Concentration per Run 3	0.0023 ppm	6.5871 ppm	0.0002 ppm	0.0777 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm
Concentration RSD	10,639.3 %	1.9 %	60.8 %	1.5 %	27.3 %	396.4 %	125.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0031 ppm	100.7642 %	95.1896 %	91.8740 %	104.5422 %	92.9353 %	100.6759 %
Concentration per Run 1	0.0032 ppm	100.0604 %	95.5822 %	90.3719 %	103.0475 %	91.3054 %	100.9003 %
Concentration per Run 2	0.0030 ppm	101.3326 %	94.8932 %	92.9637 %	105.3878 %	93.9142 %	100.3676 %
Concentration per Run 3	0.0030 ppm	100.8995 %	95.0934 %	92.2863 %	105.1912 %	93.5864 %	100.7599 %
Concentration RSD	4.5 %	0.6 %	0.4 %	1.5 %	1.2 %	1.5 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556331-11 WG2113539
 Analysis started at: 9/18/2025 20:14:13
 Comments: <Comment>
 Rack: 1
 Vial: 37

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0228 ppm	0.0024 ppm	0.0092 ppm	0.0515 ppm	0.0000 ppm	12.2565 ppm
Concentration per Run 1	0.0002 ppm	0.0223 ppm	0.0009 ppm	0.0087 ppm	0.0525 ppm	0.0000 ppm	12.5028 ppm
Concentration per Run 2	0.0000 ppm	0.0205 ppm	0.0033 ppm	0.0089 ppm	0.0514 ppm	0.0000 ppm	12.2057 ppm
Concentration per Run 3	-0.0004 ppm	0.0255 ppm	0.0030 ppm	0.0102 ppm	0.0507 ppm	0.0000 ppm	12.0610 ppm
Concentration RSD	323.4 %	11.2 %	55.8 %	8.6 %	1.8 %	421.0 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0007 ppm	0.0007 ppm	-0.0008 ppm	0.2894 ppm	2.8485 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0007 ppm	0.0004 ppm	-0.0008 ppm	0.2939 ppm	2.9046 ppm	0.0005 ppm
Concentration per Run 2	-0.0001 ppm	0.0008 ppm	0.0011 ppm	-0.0009 ppm	0.2885 ppm	2.8406 ppm	0.0005 ppm
Concentration per Run 3	-0.0001 ppm	0.0006 ppm	0.0006 ppm	-0.0008 ppm	0.2859 ppm	2.8003 ppm	-0.0011 ppm
Concentration RSD	56.9 %	13.2 %	48.8 %	11.1 %	1.4 %	1.8 %	3,125.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.2953 ppm	0.3423 ppm	-0.0001 ppm	43.2328 ppm	-0.0010 ppm	0.0032 ppm	-0.0004 ppm
Concentration per Run 1	3.2960 ppm	0.3500 ppm	-0.0002 ppm	44.1113 ppm	-0.0011 ppm	0.0037 ppm	0.0011 ppm
Concentration per Run 2	3.3059 ppm	0.3396 ppm	-0.0001 ppm	43.0255 ppm	-0.0012 ppm	0.0025 ppm	-0.0010 ppm
Concentration per Run 3	3.2841 ppm	0.3372 ppm	-0.0002 ppm	42.5617 ppm	-0.0008 ppm	0.0034 ppm	-0.0013 ppm
Concentration RSD	0.3 %	2.0 %	35.5 %	1.8 %	17.3 %	18.7 %	325.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0008 ppm	6.2886 ppm	0.0006 ppm	0.0778 ppm	0.0003 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 1	-0.0002 ppm	6.3409 ppm	0.0007 ppm	0.0794 ppm	0.0004 ppm	0.0018 ppm	0.0002 ppm
Concentration per Run 2	-0.0019 ppm	6.2175 ppm	0.0004 ppm	0.0775 ppm	0.0002 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 3	-0.0002 ppm	6.3073 ppm	0.0009 ppm	0.0766 ppm	0.0004 ppm	-0.0001 ppm	0.0001 ppm
Concentration RSD	130.0 %	1.0 %	38.6 %	1.9 %	24.5 %	130.0 %	37.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0028 ppm	101.1148 %	95.2713 %	95.4937 %	104.5926 %	96.9384 %	100.8113 %
Concentration per Run 1	0.0027 ppm	100.6801 %	95.3378 %	94.8032 %	103.3011 %	96.2027 %	100.7780 %
Concentration per Run 2	0.0028 ppm	101.2929 %	95.1140 %	96.2514 %	104.7566 %	97.7742 %	100.5982 %
Concentration per Run 3	0.0027 ppm	101.3715 %	95.3621 %	95.4266 %	105.7201 %	96.8384 %	101.0576 %
Concentration RSD	2.5 %	0.4 %	0.1 %	0.8 %	1.2 %	0.8 %	0.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556331-14 WG2113539
 Analysis started at: 9/18/2025 20:21:15
 Comments: <Comment>
 Rack: 1
 Vial: 38

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0113 ppm	-0.0003 ppm	-0.0003 ppm	0.0004 ppm	0.0000 ppm	0.0129 ppm
Concentration per Run 1	-0.0003 ppm	0.0080 ppm	0.0005 ppm	-0.0003 ppm	0.0005 ppm	0.0000 ppm	0.0102 ppm
Concentration per Run 2	0.0002 ppm	0.0129 ppm	-0.0019 ppm	-0.0004 ppm	0.0003 ppm	0.0000 ppm	0.0157 ppm
Concentration per Run 3	0.0002 ppm	0.0132 ppm	0.0003 ppm	-0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0127 ppm
Concentration RSD	1,990.8 %	25.9 %	376.6 %	61.3 %	43.3 %	2,029.2 %	21.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0010 ppm	0.0024 ppm	0.0235 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0013 ppm	0.0019 ppm	0.0193 ppm	-0.0005 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0009 ppm	0.0041 ppm	0.0225 ppm	-0.0010 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0005 ppm	-0.0008 ppm	0.0012 ppm	0.0287 ppm	0.0010 ppm
Concentration RSD	75.7 %	1,124.7 %	58.4 %	24.2 %	64.7 %	20.3 %	512.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0019 ppm	0.0002 ppm	-0.0002 ppm	0.0266 ppm	-0.0005 ppm	0.0010 ppm	-0.0045 ppm
Concentration per Run 1	0.0009 ppm	0.0001 ppm	-0.0002 ppm	0.0257 ppm	-0.0005 ppm	0.0011 ppm	0.0004 ppm
Concentration per Run 2	0.0025 ppm	0.0002 ppm	-0.0001 ppm	0.0237 ppm	-0.0003 ppm	0.0012 ppm	-0.0138 ppm
Concentration per Run 3	0.0024 ppm	0.0002 ppm	-0.0002 ppm	0.0303 ppm	-0.0007 ppm	0.0006 ppm	-0.0002 ppm
Concentration RSD	47.5 %	31.1 %	11.1 %	12.6 %	49.9 %	35.4 %	177.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0001 ppm	0.0144 ppm	-0.0002 ppm	0.0003 ppm	-0.0001 ppm	0.0011 ppm	0.0002 ppm
Concentration per Run 1	0.0017 ppm	0.0135 ppm	0.0001 ppm	0.0003 ppm	-0.0004 ppm	0.0005 ppm	0.0005 ppm
Concentration per Run 2	-0.0012 ppm	0.0130 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run 3	-0.0009 ppm	0.0168 ppm	-0.0008 ppm	0.0003 ppm	0.0002 ppm	0.0018 ppm	-0.0001 ppm
Concentration RSD	1,385.1 %	14.3 %	263.0 %	13.2 %	398.3 %	57.9 %	209.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	100.7600 %	98.6436 %	94.4357 %	104.2570 %	97.4675 %	103.0923 %
Concentration per Run 1	0.0001 ppm	99.7958 %	97.5312 %	96.5697 %	102.6396 %	99.6115 %	101.9714 %
Concentration per Run 2	0.0005 ppm	100.5755 %	101.5420 %	96.7967 %	104.2784 %	99.7541 %	106.1904 %
Concentration per Run 3	0.0004 ppm	101.9086 %	96.8576 %	89.9406 %	105.8530 %	93.0371 %	101.1150 %
Concentration RSD	62.9 %	1.1 %	2.6 %	4.1 %	1.5 %	3.9 %	2.6 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556331-17 WG2113539
 Analysis started at: 9/18/2025 20:34:56
 Comments: <Comment>
 Rack: 1
 Vial: 39

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0137 ppm	0.0048 ppm	0.0779 ppm	0.0230 ppm	0.0000 ppm	21.7264 ppm
Concentration per Run 1	0.0003 ppm	-0.0003 ppm	0.0056 ppm	0.0778 ppm	0.0234 ppm	0.0000 ppm	22.0233 ppm
Concentration per Run 2	-0.0002 ppm	0.0114 ppm	0.0051 ppm	0.0781 ppm	0.0228 ppm	0.0000 ppm	21.6299 ppm
Concentration per Run 3	0.0005 ppm	0.0301 ppm	0.0037 ppm	0.0779 ppm	0.0227 ppm	0.0000 ppm	21.5259 ppm
Concentration RSD	208.1 %	111.6 %	20.7 %	0.2 %	1.6 %	100.7 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0004 ppm	0.0004 ppm	0.0010 ppm	0.0052 ppm	0.1489 ppm	9.9272 ppm	0.0067 ppm
Concentration per Run 1	0.0004 ppm	0.0006 ppm	0.0009 ppm	0.0052 ppm	0.1527 ppm	10.1093 ppm	0.0063 ppm
Concentration per Run 2	0.0004 ppm	0.0003 ppm	0.0009 ppm	0.0053 ppm	0.1474 ppm	9.8776 ppm	0.0071 ppm
Concentration per Run 3	0.0004 ppm	0.0003 ppm	0.0011 ppm	0.0052 ppm	0.1465 ppm	9.7947 ppm	0.0068 ppm
Concentration RSD	5.5 %	36.8 %	14.6 %	1.0 %	2.3 %	1.6 %	6.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.5201 ppm	0.1050 ppm	0.0029 ppm	88.8500 ppm	0.0022 ppm	0.0033 ppm	-0.0002 ppm
Concentration per Run 1	10.1728 ppm	0.1065 ppm	0.0029 ppm	90.1786 ppm	0.0025 ppm	0.0035 ppm	0.0001 ppm
Concentration per Run 2	10.8467 ppm	0.1042 ppm	0.0028 ppm	88.3748 ppm	0.0020 ppm	0.0036 ppm	-0.0016 ppm
Concentration per Run 3	10.5407 ppm	0.1042 ppm	0.0030 ppm	87.9967 ppm	0.0020 ppm	0.0029 ppm	0.0010 ppm
Concentration RSD	3.2 %	1.3 %	2.6 %	1.3 %	13.8 %	11.2 %	856.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0027 ppm	2.0653 ppm	0.0005 ppm	0.1291 ppm	0.0002 ppm	0.0018 ppm	0.0004 ppm
Concentration per Run 1	0.0023 ppm	2.0673 ppm	0.0000 ppm	0.1311 ppm	0.0002 ppm	0.0021 ppm	0.0003 ppm
Concentration per Run 2	0.0027 ppm	2.0656 ppm	0.0008 ppm	0.1285 ppm	0.0003 ppm	0.0013 ppm	0.0004 ppm
Concentration per Run 3	0.0031 ppm	2.0629 ppm	0.0008 ppm	0.1278 ppm	0.0001 ppm	0.0021 ppm	0.0006 ppm
Concentration RSD	14.1 %	0.1 %	89.8 %	1.3 %	44.1 %	25.2 %	29.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0201 ppm	100.7451 %	93.8851 %	93.1682 %	104.9586 %	93.1726 %	98.9552 %
Concentration per Run 1	0.0200 ppm	99.3386 %	96.8142 %	93.3720 %	103.3906 %	93.1217 %	102.2903 %
Concentration per Run 2	0.0202 ppm	101.1173 %	91.4438 %	93.0654 %	105.1666 %	93.0774 %	96.2483 %
Concentration per Run 3	0.0202 ppm	101.7795 %	93.3973 %	93.0671 %	106.3186 %	93.3188 %	98.3269 %
Concentration RSD	0.6 %	1.3 %	2.9 %	0.2 %	1.4 %	0.1 %	3.1 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556331-20 WG2113539
 Analysis started at: 9/18/2025 20:39:22
 Comments: <Comment>
 Rack: 1
 Vial: 40

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0146 ppm	0.0051 ppm	0.0851 ppm	0.0212 ppm	0.0000 ppm	23.2944 ppm
Concentration per Run 1	-0.0003 ppm	0.0095 ppm	0.0049 ppm	0.0839 ppm	0.0214 ppm	0.0000 ppm	23.6649 ppm
Concentration per Run 2	0.0004 ppm	0.0138 ppm	0.0048 ppm	0.0865 ppm	0.0212 ppm	0.0000 ppm	23.1984 ppm
Concentration per Run 3	0.0004 ppm	0.0204 ppm	0.0056 ppm	0.0849 ppm	0.0209 ppm	0.0000 ppm	23.0198 ppm
Concentration RSD	255.6 %	37.6 %	8.6 %	1.5 %	1.2 %	139.7 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0003 ppm	0.0005 ppm	0.0015 ppm	0.0056 ppm	0.1380 ppm	10.6513 ppm	0.0068 ppm
Concentration per Run 1	0.0003 ppm	0.0006 ppm	0.0012 ppm	0.0055 ppm	0.1404 ppm	10.8256 ppm	0.0069 ppm
Concentration per Run 2	0.0004 ppm	0.0004 ppm	0.0018 ppm	0.0057 ppm	0.1379 ppm	10.6284 ppm	0.0059 ppm
Concentration per Run 3	0.0003 ppm	0.0005 ppm	0.0015 ppm	0.0056 ppm	0.1358 ppm	10.4998 ppm	0.0076 ppm
Concentration RSD	13.1 %	19.9 %	19.1 %	1.8 %	1.7 %	1.5 %	12.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	11.7341 ppm	0.1030 ppm	0.0031 ppm	91.8884 ppm	0.0021 ppm	0.0031 ppm	-0.0005 ppm
Concentration per Run 1	11.7510 ppm	0.1054 ppm	0.0031 ppm	93.2007 ppm	0.0026 ppm	0.0033 ppm	-0.0009 ppm
Concentration per Run 2	11.7321 ppm	0.1025 ppm	0.0031 ppm	91.6204 ppm	0.0017 ppm	0.0036 ppm	-0.0001 ppm
Concentration per Run 3	11.7192 ppm	0.1011 ppm	0.0032 ppm	90.8442 ppm	0.0020 ppm	0.0023 ppm	-0.0005 ppm
Concentration RSD	0.1 %	2.2 %	1.4 %	1.3 %	20.2 %	22.7 %	78.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	2.3997 ppm	0.0003 ppm	0.1338 ppm	0.0004 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run 1	-0.0031 ppm	2.3680 ppm	0.0007 ppm	0.1356 ppm	0.0004 ppm	0.0003 ppm	0.0004 ppm
Concentration per Run 2	0.0041 ppm	2.4341 ppm	0.0003 ppm	0.1335 ppm	0.0004 ppm	0.0005 ppm	0.0004 ppm
Concentration per Run 3	-0.0004 ppm	2.3969 ppm	0.0000 ppm	0.1325 ppm	0.0003 ppm	-0.0001 ppm	0.0004 ppm
Concentration RSD	2,131.3 %	1.4 %	115.8 %	1.2 %	13.7 %	127.2 %	7.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0307 ppm	101.6115 %	93.7983 %	91.2220 %	105.3549 %	91.9084 %	99.0879 %
Concentration per Run 1	0.0304 ppm	100.3873 %	93.9116 %	92.6545 %	103.7161 %	93.0276 %	99.0631 %
Concentration per Run 2	0.0311 ppm	102.1319 %	93.7595 %	90.1553 %	105.9819 %	90.6575 %	99.1743 %
Concentration per Run 3	0.0305 ppm	102.3154 %	93.7239 %	90.8563 %	106.3666 %	92.0402 %	99.0264 %
Concentration RSD	1.1 %	1.0 %	0.1 %	1.4 %	1.4 %	1.3 %	0.1 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556331-23 WG2113539
 Analysis started at: 9/18/2025 20:43:48
 Comments: <Comment>
 Rack: 1
 Vial: 41

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0175 ppm	0.0060 ppm	0.0911 ppm	0.0192 ppm	0.0000 ppm	24.9265 ppm
Concentration per Run 1	-0.0001 ppm	0.0184 ppm	0.0063 ppm	0.0914 ppm	0.0197 ppm	-0.0001 ppm	25.3782 ppm
Concentration per Run 2	0.0002 ppm	0.0123 ppm	0.0050 ppm	0.0915 ppm	0.0190 ppm	0.0000 ppm	24.6160 ppm
Concentration per Run 3	0.0001 ppm	0.0217 ppm	0.0066 ppm	0.0903 ppm	0.0189 ppm	0.0001 ppm	24.7854 ppm
Concentration RSD	285.2 %	27.3 %	14.5 %	0.7 %	2.4 %	690.4 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0004 ppm	0.0003 ppm	0.0009 ppm	0.0058 ppm	0.1042 ppm	11.3341 ppm	0.0046 ppm
Concentration per Run 1	0.0003 ppm	0.0000 ppm	0.0007 ppm	0.0062 ppm	0.1050 ppm	11.4928 ppm	0.0041 ppm
Concentration per Run 2	0.0004 ppm	0.0002 ppm	0.0008 ppm	0.0056 ppm	0.1061 ppm	11.2318 ppm	0.0035 ppm
Concentration per Run 3	0.0004 ppm	0.0005 ppm	0.0011 ppm	0.0056 ppm	0.1014 ppm	11.2777 ppm	0.0062 ppm
Concentration RSD	21.1 %	93.4 %	22.9 %	5.8 %	2.4 %	1.2 %	30.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.9808 ppm	0.0735 ppm	0.0031 ppm	95.9899 ppm	0.0022 ppm	0.0033 ppm	-0.0002 ppm
Concentration per Run 1	13.0083 ppm	0.0749 ppm	0.0030 ppm	97.6578 ppm	0.0022 ppm	0.0032 ppm	0.0000 ppm
Concentration per Run 2	12.9928 ppm	0.0727 ppm	0.0031 ppm	94.9556 ppm	0.0018 ppm	0.0029 ppm	-0.0002 ppm
Concentration per Run 3	12.9412 ppm	0.0728 ppm	0.0032 ppm	95.3564 ppm	0.0024 ppm	0.0037 ppm	-0.0004 ppm
Concentration RSD	0.3 %	1.6 %	3.3 %	1.5 %	14.0 %	12.1 %	93.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0001 ppm	2.6277 ppm	0.0005 ppm	0.1400 ppm	0.0003 ppm	0.0004 ppm	0.0006 ppm
Concentration per Run 1	0.0011 ppm	2.6410 ppm	0.0002 ppm	0.1423 ppm	0.0003 ppm	-0.0002 ppm	0.0005 ppm
Concentration per Run 2	0.0005 ppm	2.6316 ppm	0.0005 ppm	0.1389 ppm	0.0002 ppm	0.0006 ppm	0.0005 ppm
Concentration per Run 3	-0.0018 ppm	2.6103 ppm	0.0008 ppm	0.1389 ppm	0.0004 ppm	0.0009 ppm	0.0008 ppm
Concentration RSD	2,816.1 %	0.6 %	66.2 %	1.4 %	39.9 %	133.5 %	23.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0268 ppm	100.2882 %	93.1286 %	92.5408 %	104.2855 %	92.6123 %	98.7376 %
Concentration per Run 1	0.0270 ppm	99.2442 %	92.9478 %	92.3782 %	102.6097 %	92.2926 %	98.4513 %
Concentration per Run 2	0.0269 ppm	101.5230 %	93.2109 %	92.4729 %	105.8336 %	92.4731 %	98.7878 %
Concentration per Run 3	0.0264 ppm	100.0975 %	93.2271 %	92.7714 %	104.4133 %	93.0712 %	98.9736 %
Concentration RSD	1.1 %	1.1 %	0.2 %	0.2 %	1.5 %	0.4 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCV
 Analysis started at: 9/18/2025 20:59:47
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4644 ppm	0.4863 ppm	0.5051 ppm	0.4672 ppm	0.4899 ppm	0.5009 ppm	0.4887 ppm
Concentration per Run 1	0.4645 ppm	0.4921 ppm	0.5037 ppm	0.4635 ppm	0.4923 ppm	0.5040 ppm	0.4920 ppm
Concentration per Run 2	0.4649 ppm	0.4775 ppm	0.4975 ppm	0.4608 ppm	0.4859 ppm	0.4969 ppm	0.4838 ppm
Concentration per Run 3	0.4637 ppm	0.4894 ppm	0.5141 ppm	0.4774 ppm	0.4916 ppm	0.5017 ppm	0.4903 ppm
Recovery Percentage 1	92.874 %	97.264 %	101.016 %	93.449 %	97.987 %	100.173 %	97.744 %
Concentration RSD	0.1 %	1.6 %	1.7 %	1.9 %	0.7 %	0.7 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5247 ppm	0.4827 ppm	0.5368 ppm	0.4782 ppm	0.5167 ppm	5.0016 ppm	0.4951 ppm
Concentration per Run 1	0.5211 ppm	0.4793 ppm	0.5377 ppm	0.4783 ppm	0.5195 ppm	5.0390 ppm	0.4958 ppm
Concentration per Run 2	0.5176 ppm	0.4765 ppm	0.5378 ppm	0.4792 ppm	0.5100 ppm	4.9771 ppm	0.4930 ppm
Concentration per Run 3	0.5353 ppm	0.4922 ppm	0.5350 ppm	0.4770 ppm	0.5206 ppm	4.9886 ppm	0.4965 ppm
Recovery Percentage 1	104.936 %	96.535 %	107.364 %	95.632 %	103.338 %	100.031 %	99.012 %
Concentration RSD	1.8 %	1.7 %	0.3 %	0.2 %	1.1 %	0.7 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5397 ppm	0.5078 ppm	0.4978 ppm	9.3401 ppm	0.5177 ppm	0.5282 ppm	0.4747 ppm
Concentration per Run 1	0.5425 ppm	0.5099 ppm	0.4944 ppm	9.3882 ppm	0.5142 ppm	0.5258 ppm	0.4717 ppm
Concentration per Run 2	0.5396 ppm	0.5036 ppm	0.4909 ppm	9.2601 ppm	0.5102 ppm	0.5206 ppm	0.4695 ppm
Concentration per Run 3	0.5371 ppm	0.5100 ppm	0.5081 ppm	9.3721 ppm	0.5286 ppm	0.5382 ppm	0.4828 ppm
Recovery Percentage 1	107.947 %	101.563 %	99.559 %	93.401 %	103.533 %	105.638 %	94.934 %
Concentration RSD	0.5 %	0.7 %	1.8 %	0.7 %	1.9 %	1.7 %	1.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4902 ppm	5.3992 ppm	0.4901 ppm	0.4979 ppm	0.5272 ppm	0.4929 ppm	0.5358 ppm
Concentration per Run 1	0.4838 ppm	5.3562 ppm	0.4870 ppm	0.5011 ppm	0.5283 ppm	0.4904 ppm	0.5376 ppm
Concentration per Run 2	0.4857 ppm	5.3272 ppm	0.4836 ppm	0.4938 ppm	0.5276 ppm	0.4853 ppm	0.5364 ppm
Concentration per Run 3	0.5010 ppm	5.5140 ppm	0.4997 ppm	0.4988 ppm	0.5257 ppm	0.5031 ppm	0.5332 ppm
Recovery Percentage 1	98.033 %	102.841 %	98.018 %	99.577 %	105.437 %	98.583 %	107.150 %
Concentration RSD	1.9 %	1.9 %	1.7 %	0.8 %	0.3 %	1.9 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5401 ppm	99.7841 %	96.3373 %	94.5736 %	104.0626 %	96.3117 %	101.6031 %
Concentration per Run 1	0.5360 ppm	99.6805 %	96.0055 %	95.4146 %	103.8504 %	97.1111 %	101.2925 %
Concentration per Run 2	0.5329 ppm	100.3882 %	96.4972 %	95.4755 %	104.8292 %	97.4200 %	101.7932 %
Concentration per Run 3	0.5513 ppm	99.2837 %	96.5090 %	92.8307 %	103.5082 %	94.4040 %	101.7238 %
Recovery Percentage 1	108.011 %						
Concentration RSD	1.8 %	0.6 %	0.3 %	1.6 %	0.7 %	1.7 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCB
Analysis started at: 9/18/2025 21:04:00
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0048 ppm	0.0027 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0091 ppm	0.0044 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	-0.0052 ppm
Concentration per Run 2	0.0001 ppm	0.0049 ppm	0.0022 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0127 ppm
Concentration per Run 3	-0.0002 ppm	0.0005 ppm	0.0014 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0078 ppm
Recovery Percentage 1	-0.188 %	4.843 %	53.629 %	0.819 %	1.464 %	0.176 %	-0.075 %
Concentration RSD	1,678.0 %	88.6 %	57.0 %	172.9 %	1.6 %	340.8 %	14,863.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0009 ppm	0.0024 ppm	0.0592 ppm	-0.0006 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0013 ppm	0.0024 ppm	0.0646 ppm	0.0003 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0008 ppm	0.0019 ppm	0.0780 ppm	-0.0018 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0006 ppm	0.0028 ppm	0.0351 ppm	-0.0004 ppm
Recovery Percentage 1	-2.173 %	0.759 %	1.043 %	-9.150 %	4.756 %	2.370 %	-6.268 %
Concentration RSD	21.9 %	187.9 %	48.6 %	39.4 %	18.5 %	37.1 %	172.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0003 ppm	-0.0001 ppm	0.0001 ppm	0.0419 ppm	-0.0004 ppm	0.0013 ppm	-0.0007 ppm
Concentration per Run 1	0.0027 ppm	0.0002 ppm	0.0001 ppm	0.0436 ppm	-0.0004 ppm	0.0015 ppm	-0.0012 ppm
Concentration per Run 2	0.0008 ppm	-0.0004 ppm	0.0000 ppm	0.0486 ppm	-0.0002 ppm	0.0014 ppm	-0.0005 ppm
Concentration per Run 3	-0.0027 ppm	-0.0001 ppm	0.0003 ppm	0.0335 ppm	-0.0007 ppm	0.0011 ppm	-0.0004 ppm
Recovery Percentage 1	0.293 %	-0.886 %	0.283 %	2.095 %	-1.625 %	13.314 %	-1.462 %
Concentration RSD	932.1 %	332.3 %	109.7 %	18.3 %	61.9 %	13.2 %	57.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	-0.0004 ppm	0.0004 ppm	0.0004 ppm	-0.0002 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0012 ppm	0.0006 ppm	0.0003 ppm	-0.0002 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 2	0.0030 ppm	-0.0003 ppm	0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run 3	0.0004 ppm	0.0002 ppm	0.0003 ppm	0.0004 ppm	-0.0002 ppm	0.0015 ppm	0.0003 ppm
Recovery Percentage 1	11.491 %	-0.084 %	0.840 %	3.904 %	-1.586 %	5.980 %	0.583 %
Concentration RSD	138.6 %	167.6 %	40.2 %	13.3 %	65.3 %	40.5 %	405.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	97.7695 %	97.5409 %	93.9170 %	100.6558 %	96.9521 %	101.6733 %
Concentration per Run 1	0.0002 ppm	100.2898 %	97.8185 %	96.0226 %	102.7619 %	99.4668 %	101.8611 %
Concentration per Run 2	0.0002 ppm	93.1276 %	97.3842 %	93.1674 %	96.3171 %	96.3580 %	101.5317 %
Concentration per Run 3	0.0002 ppm	99.8911 %	97.4201 %	92.5609 %	102.8883 %	95.0316 %	101.6273 %
Recovery Percentage 1	4.033 %						
Concentration RSD	18.1 %	4.1 %	0.2 %	2.0 %	3.7 %	2.3 %	0.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2112811-1 WG2112811
 Analysis started at: 9/18/2025 21:47:13
 Comments: <Comment>
 Rack: 1
 Vial: 43

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0088 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0256 ppm
Concentration per Run 1	0.0002 ppm	0.0115 ppm	0.0006 ppm	-0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0316 ppm
Concentration per Run 2	0.0001 ppm	0.0057 ppm	-0.0005 ppm	-0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0184 ppm
Concentration per Run 3	-0.0001 ppm	0.0094 ppm	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0266 ppm
Concentration RSD	236.2 %	33.4 %	3,065.3 %	18,843.6 %	30.6 %	450.7 %	26.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0006 ppm	0.0052 ppm	0.0135 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0005 ppm	0.0061 ppm	0.0238 ppm	0.0000 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0004 ppm	0.0043 ppm	0.0276 ppm	-0.0005 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	-0.0008 ppm	0.0051 ppm	-0.0110 ppm	0.0004 ppm
Concentration RSD	20.3 %	654.2 %	90.9 %	38.1 %	17.7 %	157.6 %	967.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0065 ppm	0.0004 ppm	0.0002 ppm	0.0216 ppm	-0.0001 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run 1	0.0070 ppm	0.0005 ppm	0.0000 ppm	0.0171 ppm	-0.0001 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run 2	0.0053 ppm	0.0004 ppm	0.0002 ppm	0.0258 ppm	-0.0002 ppm	0.0002 ppm	0.0005 ppm
Concentration per Run 3	0.0071 ppm	0.0003 ppm	0.0003 ppm	0.0221 ppm	0.0001 ppm	0.0011 ppm	0.0000 ppm
Concentration RSD	15.2 %	20.9 %	94.5 %	20.1 %	184.4 %	73.4 %	326.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	0.0108 ppm	0.0007 ppm	0.0004 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 1	-0.0017 ppm	0.0110 ppm	0.0000 ppm	0.0004 ppm	-0.0001 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run 2	-0.0011 ppm	0.0104 ppm	0.0007 ppm	0.0003 ppm	-0.0001 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 3	0.0022 ppm	0.0109 ppm	0.0014 ppm	0.0004 ppm	0.0000 ppm	-0.0004 ppm	0.0001 ppm
Concentration RSD	953.2 %	2.7 %	102.1 %	6.1 %	63.5 %	323.5 %	29.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0025 ppm	100.2683 %	96.6285 %	95.9832 %	103.2104 %	99.7007 %	100.6933 %
Concentration per Run 1	0.0023 ppm	100.2823 %	98.3951 %	97.5981 %	102.3691 %	101.0803 %	102.4371 %
Concentration per Run 2	0.0028 ppm	100.5255 %	98.1909 %	95.9880 %	103.8391 %	100.0080 %	102.1605 %
Concentration per Run 3	0.0024 ppm	99.9970 %	93.2995 %	94.3637 %	103.4229 %	98.0138 %	97.4822 %
Concentration RSD	8.8 %	0.3 %	3.0 %	1.7 %	0.7 %	1.6 %	2.8 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2112811-2 WG2112811
 Analysis started at: 9/18/2025 21:51:43
 Comments: <Comment>
 Rack: 1
 Vial: 44

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0488 ppm	2.0800 ppm	0.1371 ppm	0.9669 ppm	2.0220 ppm	0.0519 ppm	9.9378 ppm
Concentration per Run 1	0.0493 ppm	2.1013 ppm	0.1375 ppm	0.9691 ppm	2.0468 ppm	0.0524 ppm	10.0411 ppm
Concentration per Run 2	0.0489 ppm	2.0317 ppm	0.1368 ppm	0.9672 ppm	1.9770 ppm	0.0509 ppm	9.7448 ppm
Concentration per Run 3	0.0483 ppm	2.1070 ppm	0.1369 ppm	0.9643 ppm	2.0422 ppm	0.0523 ppm	10.0273 ppm
Concentration RSD	1.0 %	2.0 %	0.3 %	0.3 %	1.9 %	1.7 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0567 ppm	0.4720 ppm	0.2148 ppm	0.2385 ppm	1.0429 ppm	10.4359 ppm	0.0004 ppm
Concentration per Run 1	0.0568 ppm	0.4728 ppm	0.2160 ppm	0.2402 ppm	1.0581 ppm	10.5655 ppm	0.0010 ppm
Concentration per Run 2	0.0567 ppm	0.4727 ppm	0.2163 ppm	0.2393 ppm	1.0232 ppm	10.2232 ppm	0.0007 ppm
Concentration per Run 3	0.0564 ppm	0.4705 ppm	0.2121 ppm	0.2360 ppm	1.0475 ppm	10.5190 ppm	-0.0005 ppm
Concentration RSD	0.4 %	0.3 %	1.1 %	0.9 %	1.7 %	1.8 %	203.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	11.1062 ppm	0.5138 ppm	1.0231 ppm	9.8081 ppm	0.5181 ppm	0.5810 ppm	0.4747 ppm
Concentration per Run 1	11.1751 ppm	0.5216 ppm	1.0231 ppm	9.9289 ppm	0.5191 ppm	0.5823 ppm	0.4759 ppm
Concentration per Run 2	11.2006 ppm	0.5033 ppm	1.0234 ppm	9.5864 ppm	0.5188 ppm	0.5818 ppm	0.4734 ppm
Concentration per Run 3	10.9428 ppm	0.5166 ppm	1.0229 ppm	9.9090 ppm	0.5162 ppm	0.5789 ppm	0.4748 ppm
Concentration RSD	1.3 %	1.8 %	0.0 %	2.0 %	0.3 %	0.3 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1252 ppm	1.1425 ppm	0.9842 ppm	1.0239 ppm	1.0865 ppm	0.1239 ppm	0.5426 ppm
Concentration per Run 1	0.1247 ppm	1.1437 ppm	0.9830 ppm	1.0365 ppm	1.0925 ppm	0.1234 ppm	0.5458 ppm
Concentration per Run 2	0.1267 ppm	1.1437 ppm	0.9850 ppm	1.0011 ppm	1.0957 ppm	0.1249 ppm	0.5465 ppm
Concentration per Run 3	0.1241 ppm	1.1400 ppm	0.9846 ppm	1.0340 ppm	1.0714 ppm	0.1235 ppm	0.5354 ppm
Concentration RSD	1.1 %	0.2 %	0.1 %	1.9 %	1.2 %	0.7 %	1.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5470 ppm	98.6639 %	95.2398 %	91.7645 %	103.0534 %	94.9808 %	99.9266 %
Concentration per Run 1	0.5478 ppm	98.5651 %	94.8555 %	91.8088 %	102.1604 %	94.9398 %	99.9311 %
Concentration per Run 2	0.5477 ppm	100.2642 %	94.4487 %	91.5406 %	104.7478 %	94.9237 %	99.9220 %
Concentration per Run 3	0.5457 ppm	97.1624 %	96.4152 %	91.9443 %	102.2520 %	95.0789 %	N/A
Concentration RSD	0.2 %	1.6 %	1.1 %	0.2 %	1.4 %	0.1 %	0.0 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556566-01 WG2112811
 Analysis started at: 9/18/2025 21:55:56
 Comments: <Comment>
 Rack: 1
 Vial: 45

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	0.0392 ppm	0.0021 ppm	0.0060 ppm	0.0302 ppm	0.0000 ppm	57.9383 ppm
Concentration per Run 1	-0.0007 ppm	0.0349 ppm	0.0024 ppm	0.0065 ppm	0.0309 ppm	0.0000 ppm	59.2650 ppm
Concentration per Run 2	-0.0002 ppm	0.0385 ppm	0.0017 ppm	0.0058 ppm	0.0298 ppm	0.0000 ppm	57.2904 ppm
Concentration per Run 3	-0.0005 ppm	0.0442 ppm	0.0023 ppm	0.0057 ppm	0.0299 ppm	0.0000 ppm	57.2596 ppm
Concentration RSD	46.6 %	11.9 %	18.1 %	6.7 %	2.0 %	745.6 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0023 ppm	-0.0003 ppm	-0.0001 ppm	0.1140 ppm	3.3302 ppm	0.0030 ppm
Concentration per Run 1	0.0001 ppm	0.0024 ppm	-0.0003 ppm	-0.0001 ppm	0.1142 ppm	3.4094 ppm	0.0030 ppm
Concentration per Run 2	0.0000 ppm	0.0023 ppm	-0.0005 ppm	-0.0001 ppm	0.1131 ppm	3.2939 ppm	0.0029 ppm
Concentration per Run 3	0.0001 ppm	0.0024 ppm	-0.0002 ppm	-0.0001 ppm	0.1146 ppm	3.2871 ppm	0.0032 ppm
Concentration RSD	69.1 %	2.2 %	52.8 %	15.8 %	0.7 %	2.1 %	4.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	22.2898 ppm	7.4366 ppm	0.0009 ppm	15.5204 ppm	0.0075 ppm	0.0053 ppm	-0.0003 ppm
Concentration per Run 1	22.3552 ppm	7.5909 ppm	0.0011 ppm	15.8770 ppm	0.0072 ppm	0.0050 ppm	0.0011 ppm
Concentration per Run 2	22.2011 ppm	7.3588 ppm	0.0009 ppm	15.3411 ppm	0.0080 ppm	0.0054 ppm	-0.0002 ppm
Concentration per Run 3	22.3131 ppm	7.3600 ppm	0.0009 ppm	15.3429 ppm	0.0074 ppm	0.0056 ppm	-0.0020 ppm
Concentration RSD	0.4 %	1.8 %	11.8 %	2.0 %	5.5 %	5.9 %	455.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0012 ppm	8.4384 ppm	0.0001 ppm	0.3972 ppm	0.0034 ppm	-0.0012 ppm	-0.0045 ppm
Concentration per Run 1	0.0005 ppm	8.4141 ppm	0.0008 ppm	0.4052 ppm	0.0032 ppm	-0.0015 ppm	-0.0047 ppm
Concentration per Run 2	-0.0030 ppm	8.4367 ppm	0.0000 ppm	0.3930 ppm	0.0033 ppm	-0.0021 ppm	-0.0045 ppm
Concentration per Run 3	-0.0012 ppm	8.4644 ppm	-0.0007 ppm	0.3934 ppm	0.0036 ppm	0.0001 ppm	-0.0042 ppm
Concentration RSD	143.9 %	0.3 %	1,221.8 %	1.8 %	5.8 %	94.9 %	5.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0032 ppm	100.4148 %	94.3634 %	90.2117 %	103.7103 %	91.8210 %	99.5780 %
Concentration per Run 1	0.0031 ppm	99.4996 %	94.1088 %	90.9735 %	101.7860 %	92.2483 %	99.1615 %
Concentration per Run 2	0.0031 ppm	101.1100 %	94.7946 %	90.0431 %	104.7342 %	91.7026 %	100.1000 %
Concentration per Run 3	0.0033 ppm	100.6347 %	94.1868 %	89.6184 %	104.6108 %	91.5122 %	99.4723 %
Concentration RSD	3.0 %	0.8 %	0.4 %	0.8 %	1.6 %	0.4 %	0.5 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2112811-3 WG2112811
 Analysis started at: 9/18/2025 22:00:25
 Comments: <Comment>
 Rack: 1
 Vial: 46

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0496 ppm	2.1570 ppm	0.1420 ppm	1.0209 ppm	2.0571 ppm	0.0522 ppm	68.7634 ppm
Concentration per Run 1	0.0499 ppm	2.1636 ppm	0.1428 ppm	1.0217 ppm	2.0606 ppm	0.0524 ppm	68.8332 ppm
Concentration per Run 2	0.0497 ppm	2.1032 ppm	0.1415 ppm	1.0192 ppm	2.0064 ppm	0.0509 ppm	67.0778 ppm
Concentration per Run 3	0.0492 ppm	2.2042 ppm	0.1417 ppm	1.0219 ppm	2.1043 ppm	0.0533 ppm	70.3791 ppm
Concentration RSD	0.7 %	2.4 %	0.5 %	0.1 %	2.4 %	2.3 %	2.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0580 ppm	0.4804 ppm	0.2151 ppm	0.2424 ppm	1.1584 ppm	13.8712 ppm	0.0031 ppm
Concentration per Run 1	0.0580 ppm	0.4799 ppm	0.2153 ppm	0.2424 ppm	1.1620 ppm	13.8877 ppm	0.0030 ppm
Concentration per Run 2	0.0579 ppm	0.4802 ppm	0.2154 ppm	0.2424 ppm	1.1300 ppm	13.5842 ppm	0.0036 ppm
Concentration per Run 3	0.0581 ppm	0.4810 ppm	0.2147 ppm	0.2424 ppm	1.1832 ppm	14.1415 ppm	0.0026 ppm
Concentration RSD	0.1 %	0.1 %	0.2 %	0.0 %	2.3 %	2.0 %	17.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	34.0482 ppm	8.1086 ppm	1.0493 ppm	25.6842 ppm	0.5301 ppm	0.5883 ppm	0.5061 ppm
Concentration per Run 1	34.0843 ppm	8.1261 ppm	1.0481 ppm	25.7301 ppm	0.5298 ppm	0.5893 ppm	0.5081 ppm
Concentration per Run 2	34.1664 ppm	7.9087 ppm	1.0498 ppm	25.0455 ppm	0.5297 ppm	0.5874 ppm	0.5059 ppm
Concentration per Run 3	33.8939 ppm	8.2910 ppm	1.0500 ppm	26.2771 ppm	0.5307 ppm	0.5883 ppm	0.5044 ppm
Concentration RSD	0.4 %	2.4 %	0.1 %	2.4 %	0.1 %	0.2 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1300 ppm	9.8465 ppm	1.0019 {SIC 20}	1.4282 ppm	1.0893 ppm	0.1212 ppm	0.5436 ppm
Concentration per Run 1	0.1308 ppm	9.8599 ppm	1.0013 ppm	1.4306 ppm	1.0893 ppm	0.1221 ppm	0.5434 ppm
Concentration per Run 2	0.1305 ppm	9.8288 ppm	1.0020 ppm	1.3927 ppm	1.0924 ppm	0.1200 ppm	0.5454 ppm
Concentration per Run 3	0.1287 ppm	9.8509 ppm	1.0022 ppm	1.4613 ppm	1.0860 ppm	0.1216 ppm	0.5420 ppm
Concentration RSD	0.9 %	0.2 %	0.0 %	2.4 %	0.3 %	0.9 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5587 ppm	98.1434 %	92.2072 %	88.7289 %	102.5945 %	89.5373 %	97.6840 %
Concentration per Run 1	0.5584 ppm	98.9960 %	92.2890 %	88.9914 %	102.4271 %	89.7755 %	97.6671 %
Concentration per Run 2	0.5582 ppm	100.1713 %	91.8620 %	88.5200 %	104.6779 %	89.4660 %	97.3702 %
Concentration per Run 3	0.5596 ppm	95.2629 %	92.4706 %	88.6754 %	100.6784 %	89.3704 %	98.0148 %
Concentration RSD	0.1 %	2.6 %	0.3 %	0.3 %	2.0 %	0.2 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2112811-4 WG2112811
 Analysis started at: 9/18/2025 22:04:38
 Comments: <Comment>
 Rack: 1
 Vial: 47

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	0.0408 ppm	0.0026 ppm	0.0064 ppm	0.0307 ppm	0.0000 ppm	58.6914 ppm
Concentration per Run 1	-0.0004 ppm	0.0400 ppm	0.0030 ppm	0.0069 ppm	0.0305 ppm	0.0000 ppm	58.3122 ppm
Concentration per Run 2	-0.0004 ppm	0.0342 ppm	0.0023 ppm	0.0065 ppm	0.0297 ppm	0.0000 ppm	56.8903 ppm
Concentration per Run 3	-0.0006 ppm	0.0482 ppm	0.0026 ppm	0.0057 ppm	0.0319 ppm	0.0000 ppm	60.8718 ppm
Concentration RSD	28.3 %	17.2 %	14.4 %	9.4 %	3.7 %	51.1 %	3.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0024 ppm	0.0000 ppm	0.0000 ppm	0.1201 ppm	3.3877 ppm	0.0025 ppm
Concentration per Run 1	0.0001 ppm	0.0024 ppm	-0.0002 ppm	-0.0001 ppm	0.1199 ppm	3.3431 ppm	0.0027 ppm
Concentration per Run 2	0.0001 ppm	0.0025 ppm	0.0001 ppm	0.0001 ppm	0.1169 ppm	3.3164 ppm	0.0028 ppm
Concentration per Run 3	0.0001 ppm	0.0025 ppm	-0.0001 ppm	0.0001 ppm	0.1234 ppm	3.5035 ppm	0.0020 ppm
Concentration RSD	37.0 %	1.4 %	486.1 %	2,962.2 %	2.7 %	3.0 %	16.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	22.4961 ppm	7.5878 ppm	0.0010 ppm	15.6602 ppm	0.0070 ppm	0.0065 ppm	-0.0007 ppm
Concentration per Run 1	22.5037 ppm	7.5488 ppm	0.0011 ppm	15.5473 ppm	0.0069 ppm	0.0062 ppm	0.0005 ppm
Concentration per Run 2	22.5479 ppm	7.3474 ppm	0.0011 ppm	15.1560 ppm	0.0073 ppm	0.0070 ppm	-0.0007 ppm
Concentration per Run 3	22.4367 ppm	7.8672 ppm	0.0007 ppm	16.2772 ppm	0.0068 ppm	0.0064 ppm	-0.0018 ppm
Concentration RSD	0.2 %	3.5 %	19.1 %	3.6 %	3.6 %	6.4 %	169.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0037 ppm	8.4166 ppm	0.0016 ppm	0.4052 ppm	0.0034 ppm	-0.0021 ppm	-0.0054 ppm
Concentration per Run 1	-0.0065 ppm	8.2608 ppm	0.0014 ppm	0.4022 ppm	0.0034 ppm	-0.0037 ppm	-0.0058 ppm
Concentration per Run 2	-0.0022 ppm	8.5939 ppm	0.0014 ppm	0.3923 ppm	0.0035 ppm	-0.0018 ppm	-0.0056 ppm
Concentration per Run 3	-0.0025 ppm	8.3952 ppm	0.0021 ppm	0.4213 ppm	0.0032 ppm	-0.0008 ppm	-0.0049 ppm
Concentration RSD	64.2 %	2.0 %	24.6 %	3.6 %	4.0 %	70.6 %	9.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0027 ppm	97.4986 %	93.4603 %	90.0736 %	101.5598 %	91.6158 %	98.9981 %
Concentration per Run 1	0.0028 ppm	98.4783 %	93.6367 %	91.5154 %	101.8352 %	93.3947 %	99.0661 %
Concentration per Run 2	0.0029 ppm	99.8092 %	93.2938 %	88.4099 %	103.8866 %	89.8553 %	98.8246 %
Concentration per Run 3	0.0025 ppm	94.2083 %	93.4505 %	90.2954 %	98.9576 %	91.5974 %	99.1035 %
Concentration RSD	8.0 %	3.0 %	0.2 %	1.7 %	2.4 %	1.9 %	0.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2112811-5 WG2112811
 Analysis started at: 9/18/2025 22:09:07
 Comments: <Comment>
 Rack: 1
 Vial: 48

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0476 ppm	2.1554 ppm	0.1317 ppm	0.9819 ppm	2.0710 ppm	0.0524 ppm	66.6269 ppm
Concentration per Run 1	0.0478 ppm	2.2421 ppm	0.1289 ppm	0.9806 ppm	2.1475 ppm	0.0545 ppm	68.4687 ppm
Concentration per Run 2	0.0470 ppm	2.1241 ppm	0.1330 ppm	0.9804 ppm	2.0408 ppm	0.0515 ppm	65.6963 ppm
Concentration per Run 3	0.0481 ppm	2.1001 ppm	0.1331 ppm	0.9847 ppm	2.0249 ppm	0.0513 ppm	65.7158 ppm
Concentration RSD	1.2 %	3.5 %	1.8 %	0.2 %	3.2 %	3.4 %	2.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0561 ppm	0.4635 ppm	0.2156 ppm	0.2433 ppm	1.1530 ppm	13.6464 ppm	0.0025 ppm
Concentration per Run 1	0.0560 ppm	0.4627 ppm	0.2166 ppm	0.2431 ppm	1.1961 ppm	14.1252 ppm	0.0025 ppm
Concentration per Run 2	0.0562 ppm	0.4637 ppm	0.2151 ppm	0.2426 ppm	1.1335 ppm	13.5029 ppm	0.0026 ppm
Concentration per Run 3	0.0562 ppm	0.4640 ppm	0.2152 ppm	0.2442 ppm	1.1295 ppm	13.3110 ppm	0.0025 ppm
Concentration RSD	0.2 %	0.1 %	0.4 %	0.3 %	3.2 %	3.1 %	3.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	33.0454 ppm	7.7412 ppm	1.0068 ppm	25.1119 ppm	0.5134 ppm	0.5596 ppm	0.4686 ppm
Concentration per Run 1	33.0965 ppm	7.9532 ppm	1.0024 ppm	25.8911 ppm	0.5119 ppm	0.5582 ppm	0.4639 ppm
Concentration per Run 2	33.0650 ppm	7.6291 ppm	1.0079 ppm	24.7620 ppm	0.5134 ppm	0.5611 ppm	0.4705 ppm
Concentration per Run 3	32.9746 ppm	7.6415 ppm	1.0102 ppm	24.6827 ppm	0.5150 ppm	0.5595 ppm	0.4714 ppm
Concentration RSD	0.2 %	2.4 %	0.4 %	2.7 %	0.3 %	0.3 %	0.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1197 ppm	9.2934 ppm	0.9720 ppm	1.4088 ppm	1.0827 ppm	0.1142 ppm	0.5446 ppm
Concentration per Run 1	0.1175 ppm	9.1794 ppm	0.9678 ppm	1.4557 ppm	1.0841 ppm	0.1141 ppm	0.5454 ppm
Concentration per Run 2	0.1176 ppm	9.3008 ppm	0.9720 ppm	1.3873 ppm	1.0835 ppm	0.1150 ppm	0.5447 ppm
Concentration per Run 3	0.1242 ppm	9.4001 ppm	0.9763 ppm	1.3833 ppm	1.0804 ppm	0.1136 ppm	0.5439 ppm
Concentration RSD	3.2 %	1.2 %	0.4 %	2.9 %	0.2 %	0.7 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5410 ppm	98.6188 %	91.7469 %	89.0038 %	102.0001 %	90.1581 %	97.1562 %
Concentration per Run 1	0.5397 ppm	96.9539 %	91.9837 %	89.9986 %	99.5341 %	91.4143 %	97.2471 %
Concentration per Run 2	0.5416 ppm	99.3803 %	91.4824 %	88.6423 %	103.0874 %	89.8597 %	96.8781 %
Concentration per Run 3	0.5418 ppm	99.5221 %	91.7746 %	88.3705 %	103.3789 %	89.2004 %	97.3434 %
Concentration RSD	0.2 %	1.5 %	0.3 %	1.0 %	2.1 %	1.3 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: WG2112811-6D5 WG2112811
 Analysis started at: 9/18/2025 22:13:21
 Comments: <Comment>
 Rack: 1
 Vial: 49

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	0.0100 ppm	-0.0001 ppm	0.0031 ppm	0.0059 ppm	0.0000 ppm	10.9257 ppm
Concentration per Run 1	-0.0003 ppm	0.0113 ppm	-0.0016 ppm	0.0033 ppm	0.0061 ppm	0.0001 ppm	11.2247 ppm
Concentration per Run 2	-0.0006 ppm	0.0136 ppm	0.0020 ppm	0.0031 ppm	0.0059 ppm	0.0000 ppm	10.7393 ppm
Concentration per Run 3	-0.0005 ppm	0.0049 ppm	-0.0006 ppm	0.0030 ppm	0.0058 ppm	0.0000 ppm	10.8131 ppm
Concentration RSD	28.4 %	45.2 %	2,705.7 %	4.9 %	2.6 %	228.8 %	2.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0005 ppm	0.0002 ppm	-0.0010 ppm	0.0249 ppm	0.6520 ppm	0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0005 ppm	0.0004 ppm	-0.0012 ppm	0.0247 ppm	0.6689 ppm	0.0017 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0001 ppm	-0.0008 ppm	0.0232 ppm	0.6511 ppm	0.0012 ppm
Concentration per Run 3	-0.0001 ppm	0.0007 ppm	0.0000 ppm	-0.0010 ppm	0.0268 ppm	0.6360 ppm	-0.0011 ppm
Concentration RSD	27.4 %	41.3 %	111.9 %	19.8 %	7.3 %	2.5 %	266.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.3055 ppm	1.4257 ppm	0.0010 ppm	2.8898 ppm	0.0009 ppm	0.0014 ppm	0.0009 ppm
Concentration per Run 1	4.2909 ppm	1.4659 ppm	0.0013 ppm	2.9551 ppm	0.0007 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run 2	4.3077 ppm	1.4012 ppm	0.0009 ppm	2.8560 ppm	0.0009 ppm	0.0024 ppm	0.0026 ppm
Concentration per Run 3	4.3179 ppm	1.4100 ppm	0.0008 ppm	2.8582 ppm	0.0010 ppm	0.0007 ppm	0.0000 ppm
Concentration RSD	0.3 %	2.5 %	25.5 %	2.0 %	15.9 %	63.9 %	171.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0004 ppm	1.6080 ppm	0.0015 ppm	0.0763 ppm	0.0008 ppm	0.0007 ppm	-0.0003 ppm
Concentration per Run 1	-0.0003 ppm	1.5694 ppm	0.0015 ppm	0.0784 ppm	0.0007 ppm	0.0003 ppm	-0.0004 ppm
Concentration per Run 2	0.0000 ppm	1.6463 ppm	0.0007 ppm	0.0753 ppm	0.0008 ppm	0.0007 ppm	-0.0003 ppm
Concentration per Run 3	-0.0010 ppm	1.6083 ppm	0.0022 ppm	0.0754 ppm	0.0008 ppm	0.0012 ppm	-0.0002 ppm
Concentration RSD	127.5 %	2.4 %	48.1 %	2.3 %	11.5 %	59.0 %	39.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0011 ppm	97.4952 %	94.8114 %	91.1196 %	101.6843 %	94.1637 %	100.4100 %
Concentration per Run 1	0.0011 ppm	94.6650 %	94.9238 %	92.3383 %	98.4109 %	95.3448 %	100.5418 %
Concentration per Run 2	0.0012 ppm	99.2879 %	94.5787 %	89.1310 %	103.7980 %	91.9887 %	100.1509 %
Concentration per Run 3	0.0011 ppm	98.5328 %	94.9316 %	91.8895 %	102.8439 %	95.1574 %	100.5374 %
Concentration RSD	5.7 %	2.5 %	0.2 %	1.9 %	2.8 %	2.0 %	0.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556566-02 WG2112811
 Analysis started at: 9/18/2025 22:17:48
 Comments: <Comment>
 Rack: 1
 Vial: 50

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0913 ppm	0.0195 ppm	0.0031 ppm	0.0289 ppm	0.0000 ppm	91.1177 ppm
Concentration per Run 1	0.0003 ppm	0.0943 ppm	0.0217 ppm	0.0026 ppm	0.0293 ppm	0.0000 ppm	92.9124 ppm
Concentration per Run 2	0.0000 ppm	0.0968 ppm	0.0180 ppm	0.0034 ppm	0.0287 ppm	0.0000 ppm	90.6037 ppm
Concentration per Run 3	0.0000 ppm	0.0829 ppm	0.0189 ppm	0.0035 ppm	0.0285 ppm	0.0000 ppm	89.8371 ppm
Concentration RSD	185.6 %	8.1 %	9.8 %	15.6 %	1.4 %	131.8 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0043 ppm	0.0007 ppm	-0.0002 ppm	0.3709 ppm	5.7647 ppm	0.0054 ppm
Concentration per Run 1	0.0000 ppm	0.0042 ppm	0.0009 ppm	-0.0006 ppm	0.3742 ppm	5.8655 ppm	0.0057 ppm
Concentration per Run 2	-0.0001 ppm	0.0043 ppm	0.0003 ppm	0.0005 ppm	0.3704 ppm	5.7342 ppm	0.0055 ppm
Concentration per Run 3	-0.0001 ppm	0.0044 ppm	0.0009 ppm	-0.0004 ppm	0.3682 ppm	5.6944 ppm	0.0051 ppm
Concentration RSD	39.6 %	3.4 %	53.0 %	357.0 %	0.8 %	1.6 %	5.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	22.7403 ppm	2.7355 ppm	0.0020 ppm	15.2202 ppm	0.0104 ppm	0.0072 ppm	0.0004 ppm
Concentration per Run 1	23.0516 ppm	2.7883 ppm	0.0021 ppm	15.4913 ppm	0.0102 ppm	0.0062 ppm	0.0003 ppm
Concentration per Run 2	21.6279 ppm	2.7184 ppm	0.0020 ppm	15.1249 ppm	0.0104 ppm	0.0077 ppm	0.0007 ppm
Concentration per Run 3	23.5415 ppm	2.6999 ppm	0.0018 ppm	15.0443 ppm	0.0105 ppm	0.0079 ppm	0.0001 ppm
Concentration RSD	4.4 %	1.7 %	5.9 %	1.6 %	1.4 %	12.9 %	96.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	13.5633 ppm	-0.0006 ppm	0.3322 ppm	0.0008 ppm	-0.0001 ppm	-0.0009 ppm
Concentration per Run 1	0.0033 ppm	13.3359 ppm	-0.0011 ppm	0.3381 ppm	0.0011 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run 2	0.0023 ppm	13.3724 ppm	-0.0004 ppm	0.3300 ppm	0.0005 ppm	-0.0001 ppm	-0.0009 ppm
Concentration per Run 3	-0.0034 ppm	13.9815 ppm	-0.0004 ppm	0.3287 ppm	0.0010 ppm	0.0000 ppm	-0.0009 ppm
Concentration RSD	503.8 %	2.7 %	69.5 %	1.5 %	34.9 %	38.3 %	1.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0026 ppm	99.2979 %	93.8119 %	88.9278 %	103.7399 %	89.8187 %	99.9601 %
Concentration per Run 1	0.0025 ppm	97.7526 %	92.7300 %	90.2055 %	101.4456 %	91.2498 %	98.5951 %
Concentration per Run 2	0.0026 ppm	99.9430 %	98.2614 %	90.0620 %	104.2618 %	90.8718 %	104.8147 %
Concentration per Run 3	0.0026 ppm	100.1980 %	90.4444 %	86.5159 %	105.5123 %	87.3346 %	96.4707 %
Concentration RSD	3.1 %	1.4 %	4.3 %	2.4 %	2.0 %	2.4 %	4.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556566-03 WG2112811
 Analysis started at: 9/18/2025 22:22:15
 Comments: <Comment>
 Rack: 1
 Vial: 51

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0117 ppm	0.0212 ppm	0.0027 ppm	0.0037 ppm	0.0000 ppm	19.3540 ppm
Concentration per Run 1	0.0003 ppm	0.0096 ppm	0.0209 ppm	0.0026 ppm	0.0038 ppm	0.0000 ppm	19.8853 ppm
Concentration per Run 2	-0.0002 ppm	0.0162 ppm	0.0223 ppm	0.0028 ppm	0.0038 ppm	0.0000 ppm	19.0963 ppm
Concentration per Run 3	-0.0004 ppm	0.0093 ppm	0.0204 ppm	0.0028 ppm	0.0034 ppm	0.0000 ppm	19.0805 ppm
Concentration RSD	365.8 %	33.3 %	4.5 %	4.2 %	6.0 %	39.1 %	2.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0010 ppm	-0.0009 ppm	0.0210 ppm	3.0397 ppm	0.0014 ppm
Concentration per Run 1	-0.0001 ppm	-0.0005 ppm	0.0012 ppm	-0.0009 ppm	0.0221 ppm	3.1191 ppm	0.0026 ppm
Concentration per Run 2	-0.0001 ppm	-0.0004 ppm	0.0007 ppm	-0.0010 ppm	0.0204 ppm	2.9984 ppm	0.0017 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0010 ppm	-0.0008 ppm	0.0205 ppm	3.0015 ppm	0.0001 ppm
Concentration RSD	36.5 %	163.7 %	27.3 %	15.7 %	4.6 %	2.3 %	88.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.3588 ppm	0.3263 ppm	0.0008 ppm	7.7377 ppm	-0.0004 ppm	0.0047 ppm	-0.0004 ppm
Concentration per Run 1	4.3319 ppm	0.3352 ppm	0.0008 ppm	7.9554 ppm	-0.0007 ppm	0.0044 ppm	-0.0005 ppm
Concentration per Run 2	4.3747 ppm	0.3222 ppm	0.0009 ppm	7.6345 ppm	-0.0006 ppm	0.0054 ppm	-0.0008 ppm
Concentration per Run 3	4.3696 ppm	0.3215 ppm	0.0007 ppm	7.6232 ppm	-0.0001 ppm	0.0043 ppm	0.0001 ppm
Concentration RSD	0.5 %	2.4 %	12.5 %	2.4 %	75.2 %	13.2 %	108.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0015 ppm	10.0234 ppm	0.0003 ppm	0.2282 ppm	0.0003 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 1	0.0019 ppm	9.9753 ppm	0.0005 ppm	0.2343 ppm	0.0000 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run 2	0.0027 ppm	10.0281 ppm	0.0005 ppm	0.2252 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 3	0.0001 ppm	10.0669 ppm	-0.0002 ppm	0.2251 ppm	0.0003 ppm	0.0013 ppm	0.0002 ppm
Concentration RSD	86.3 %	0.5 %	150.6 %	2.3 %	108.7 %	83.4 %	98.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0015 ppm	98.7927 %	94.7518 %	92.1122 %	102.4206 %	95.3460 %	100.2302 %
Concentration per Run 1	0.0014 ppm	96.5215 %	95.2060 %	92.5064 %	99.7928 %	95.9234 %	100.6018 %
Concentration per Run 2	0.0016 ppm	100.1308 %	94.5825 %	92.1804 %	103.7659 %	95.1786 %	100.1603 %
Concentration per Run 3	0.0015 ppm	99.7257 %	94.4669 %	91.6498 %	103.7031 %	94.9360 %	99.9284 %
Concentration RSD	6.7 %	2.0 %	0.4 %	0.5 %	2.2 %	0.5 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556566-04 WG2112811
 Analysis started at: 9/18/2025 22:26:42
 Comments: <Comment>
 Rack: 1
 Vial: 52

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0104 ppm	0.0030 ppm	0.0323 ppm	0.0332 ppm	0.0000 ppm	27.2628 ppm
Concentration per Run 1	0.0001 ppm	0.0165 ppm	0.0037 ppm	0.0329 ppm	0.0346 ppm	0.0000 ppm	28.4016 ppm
Concentration per Run 2	0.0001 ppm	0.0081 ppm	0.0031 ppm	0.0315 ppm	0.0326 ppm	0.0000 ppm	26.6660 ppm
Concentration per Run 3	-0.0001 ppm	0.0065 ppm	0.0020 ppm	0.0323 ppm	0.0324 ppm	0.0000 ppm	26.7208 ppm
Concentration RSD	484.4 %	51.6 %	29.3 %	2.1 %	3.6 %	420.4 %	3.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0006 ppm	0.0006 ppm	-0.0002 ppm	10.8299 ppm	6.5541 ppm	-0.0008 ppm
Concentration per Run 1	-0.0002 ppm	0.0004 ppm	0.0007 ppm	-0.0003 ppm	11.2565 ppm	6.7926 ppm	-0.0005 ppm
Concentration per Run 2	-0.0002 ppm	0.0006 ppm	0.0003 ppm	-0.0003 ppm	10.5992 ppm	6.4599 ppm	-0.0008 ppm
Concentration per Run 3	-0.0002 ppm	0.0009 ppm	0.0007 ppm	-0.0001 ppm	10.6340 ppm	6.4098 ppm	-0.0010 ppm
Concentration RSD	13.8 %	37.3 %	45.7 %	51.5 %	3.4 %	3.2 %	37.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.0960 ppm	0.9772 ppm	0.0001 ppm	29.7829 ppm	0.0020 ppm	0.0038 ppm	-0.0005 ppm
Concentration per Run 1	7.1156 ppm	1.0157 ppm	-0.0001 ppm	31.0015 ppm	0.0020 ppm	0.0034 ppm	0.0005 ppm
Concentration per Run 2	7.0966 ppm	0.9564 ppm	0.0002 ppm	29.1276 ppm	0.0016 ppm	0.0047 ppm	-0.0005 ppm
Concentration per Run 3	7.0758 ppm	0.9594 ppm	0.0001 ppm	29.2194 ppm	0.0024 ppm	0.0033 ppm	-0.0016 ppm
Concentration RSD	0.3 %	3.4 %	192.1 %	3.5 %	21.5 %	20.7 %	203.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0006 ppm	5.6062 ppm	0.0006 ppm	0.1462 ppm	0.0004 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run 1	0.0001 ppm	5.7252 ppm	0.0003 ppm	0.1523 ppm	0.0004 ppm	-0.0008 ppm	-0.0003 ppm
Concentration per Run 2	-0.0020 ppm	5.5515 ppm	0.0009 ppm	0.1431 ppm	0.0004 ppm	0.0019 ppm	-0.0003 ppm
Concentration per Run 3	0.0002 ppm	5.5419 ppm	0.0006 ppm	0.1433 ppm	0.0005 ppm	0.0007 ppm	0.0000 ppm
Concentration RSD	216.8 %	1.8 %	54.2 %	3.6 %	11.9 %	234.6 %	76.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0017 ppm	97.5868 %	93.3823 %	89.2743 %	101.7739 %	91.4793 %	99.3779 %
Concentration per Run 1	0.0016 ppm	95.2165 %	93.3979 %	98.5754 %	98.5754 %	90.0295 %	99.2209 %
Concentration per Run 2	0.0016 ppm	99.1676 %	93.1009 %	89.9545 %	103.6486 %	91.9461 %	99.2083 %
Concentration per Run 3	0.0018 ppm	98.3764 %	93.6481 %	90.0816 %	103.0978 %	92.4624 %	99.7044 %
Concentration RSD	5.1 %	2.1 %	0.3 %	1.4 %	2.7 %	1.4 %	0.3 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCV
Analysis started at: 9/18/2025 22:47:44
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4744 ppm	0.4825 ppm	0.5164 ppm	0.4699 ppm	0.4827 ppm	0.4963 ppm	0.4832 ppm
Concentration per Run 1	0.4844 ppm	0.4930 ppm	0.5116 ppm	0.4647 ppm	0.4956 ppm	0.5104 ppm	0.5051 ppm
Concentration per Run 2	0.4708 ppm	0.4820 ppm	0.5178 ppm	0.4692 ppm	0.4845 ppm	0.4982 ppm	0.4804 ppm
Concentration per Run 3	0.4679 ppm	0.4725 ppm	0.5199 ppm	0.4757 ppm	0.4679 ppm	0.4803 ppm	0.4642 ppm
Recovery Percentage 1	94.871 %	96.504 %	103.288 %	93.972 %	96.532 %	99.265 %	96.645 %
Concentration RSD	1.9 %	2.1 %	0.8 %	1.2 %	2.9 %	3.1 %	4.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5298 ppm	0.4819 ppm	0.5524 ppm	0.4898 ppm	0.5120 ppm	4.9700 ppm	0.4897 ppm
Concentration per Run 1	0.5243 ppm	0.4763 ppm	0.5650 ppm	0.4998 ppm	0.5262 ppm	5.1032 ppm	0.5014 ppm
Concentration per Run 2	0.5297 ppm	0.4819 ppm	0.5484 ppm	0.4857 ppm	0.5121 ppm	4.9986 ppm	0.4931 ppm
Concentration per Run 3	0.5354 ppm	0.4876 ppm	0.5437 ppm	0.4839 ppm	0.4976 ppm	4.8081 ppm	0.4746 ppm
Recovery Percentage 1	105.960 %	96.381 %	110.473 %	97.956 %	102.393 %	99.399 %	97.945 %
Concentration RSD	1.1 %	1.2 %	2.0 %	1.8 %	2.8 %	3.0 %	2.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5562 ppm	0.5019 ppm	0.5005 ppm	9.1179 ppm	0.5202 ppm	0.5337 ppm	0.4762 ppm
Concentration per Run 1	0.5662 ppm	0.5162 ppm	0.4941 ppm	9.3544 ppm	0.5137 ppm	0.5284 ppm	0.4702 ppm
Concentration per Run 2	0.5490 ppm	0.5038 ppm	0.5005 ppm	9.1488 ppm	0.5197 ppm	0.5327 ppm	0.4755 ppm
Concentration per Run 3	0.5533 ppm	0.4857 ppm	0.5067 ppm	8.8506 ppm	0.5272 ppm	0.5399 ppm	0.4829 ppm
Recovery Percentage 1	111.232 %	100.376 %	100.091 %	91.179 %	104.038 %	106.733 %	95.233 %
Concentration RSD	1.6 %	3.1 %	1.3 %	2.8 %	1.3 %	1.1 %	1.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4936 ppm	5.4471 ppm	0.4926 ppm	0.4923 ppm	0.5439 ppm	0.4945 ppm	0.5526 ppm
Concentration per Run 1	0.4884 ppm	5.3832 ppm	0.4865 ppm	0.5054 ppm	0.5558 ppm	0.4886 ppm	0.5643 ppm
Concentration per Run 2	0.4924 ppm	5.4470 ppm	0.4930 ppm	0.4941 ppm	0.5389 ppm	0.4943 ppm	0.5474 ppm
Concentration per Run 3	0.5001 ppm	5.5111 ppm	0.4983 ppm	0.4773 ppm	0.5372 ppm	0.5005 ppm	0.5461 ppm
Recovery Percentage 1	98.727 %	103.755 %	98.523 %	98.453 %	108.789 %	98.892 %	110.514 %
Concentration RSD	1.2 %	1.2 %	1.2 %	2.9 %	1.9 %	1.2 %	1.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5475 ppm	99.8607 %	94.0682 %	92.8721 %	104.7899 %	95.9155 %	99.5327 %
Concentration per Run 1	0.5416 ppm	97.7382 %	92.2845 %	93.9058 %	101.9834 %	97.0862 %	97.1719 %
Concentration per Run 2	0.5473 ppm	98.7962 %	94.6845 %	92.6204 %	104.0490 %	95.8168 %	100.2847 %
Concentration per Run 3	0.5535 ppm	103.0476 %	95.2355 %	92.0903 %	108.3374 %	94.8434 %	101.1415 %
Recovery Percentage 1	109.492 %						
Concentration RSD	1.1 %	2.8 %	1.7 %	1.0 %	3.1 %	1.2 %	2.1 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCB
 Analysis started at: 9/18/2025 22:51:57
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0055 ppm	0.0009 ppm	0.0005 ppm	0.0002 ppm	0.0001 ppm	0.0011 ppm
Concentration per Run 1	0.0006 ppm	0.0102 ppm	0.0012 ppm	0.0006 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 2	0.0002 ppm	0.0088 ppm	0.0001 ppm	0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0027 ppm
Concentration per Run 3	-0.0004 ppm	-0.0026 ppm	0.0013 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0005 ppm
Recovery Percentage 1	2.866 %	5.464 %	17.401 %	1.695 %	1.653 %	1.384 %	1.057 %
Concentration RSD	346.2 %	127.8 %	79.2 %	40.3 %	32.3 %	19.1 %	134.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0012 ppm	0.0023 ppm	0.0294 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0013 ppm	0.0025 ppm	0.0043 ppm	-0.0002 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0014 ppm	0.0028 ppm	0.0142 ppm	0.0013 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0009 ppm	0.0015 ppm	0.0697 ppm	0.0009 ppm
Recovery Percentage 1	-0.991 %	1.047 %	1.961 %	-11.836 %	4.516 %	1.175 %	6.473 %
Concentration RSD	45.8 %	82.8 %	74.7 %	20.8 %	29.9 %	120.0 %	121.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0012 ppm	0.0001 ppm	0.0003 ppm	0.0134 ppm	-0.0005 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run 1	0.0015 ppm	-0.0001 ppm	0.0003 ppm	0.0180 ppm	-0.0006 ppm	0.0015 ppm	0.0009 ppm
Concentration per Run 2	-0.0007 ppm	0.0003 ppm	0.0002 ppm	0.0151 ppm	-0.0005 ppm	0.0006 ppm	-0.0003 ppm
Concentration per Run 3	0.0029 ppm	-0.0001 ppm	0.0003 ppm	0.0071 ppm	-0.0006 ppm	0.0019 ppm	-0.0005 ppm
Recovery Percentage 1	1.222 %	0.709 %	0.535 %	0.670 %	-2.155 %	13.408 %	0.066 %
Concentration RSD	148.6 %	338.3 %	14.1 %	42.0 %	12.6 %	48.8 %	2,329.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0006 ppm	-0.0003 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 1	0.0027 ppm	0.0000 ppm	0.0011 ppm	0.0003 ppm	0.0002 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run 2	-0.0031 ppm	-0.0007 ppm	0.0013 ppm	0.0002 ppm	-0.0002 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run 3	-0.0014 ppm	-0.0003 ppm	0.0005 ppm	0.0004 ppm	0.0000 ppm	0.0012 ppm	0.0000 ppm
Recovery Percentage 1	-6.087 %	-0.061 %	1.894 %	2.881 %	-0.130 %	6.357 %	0.654 %
Concentration RSD	486.3 %	113.5 %	44.8 %	25.5 %	1,575.0 %	12.1 %	311.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	98.4377 %	95.9455 %	92.8777 %	101.8757 %	96.8363 %	100.6441 %
Concentration per Run 1	0.0003 ppm	97.3133 %	96.0048 %	93.3685 %	100.0599 %	97.4042 %	100.5778 %
Concentration per Run 2	0.0001 ppm	99.4117 %	96.2991 %	92.6643 %	102.9587 %	96.4388 %	101.1082 %
Concentration per Run 3	0.0000 ppm	98.5881 %	95.5325 %	92.6003 %	102.6084 %	96.6659 %	100.2463 %
Recovery Percentage 1	3.077 %						
Concentration RSD	72.1 %	1.1 %	0.4 %	0.5 %	1.6 %	0.5 %	0.4 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCV
Analysis started at: 9/18/2025 22:56:49
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4674 ppm	0.4981 ppm	0.5167 ppm	0.4707 ppm	0.4951 ppm	0.5070 ppm	0.4882 ppm
Concentration per Run 1	0.4695 ppm	0.5057 ppm	0.5118 ppm	0.4666 ppm	0.5048 ppm	0.5182 ppm	0.5027 ppm
Concentration per Run 2	0.4669 ppm	0.5000 ppm	0.5174 ppm	0.4713 ppm	0.4903 ppm	0.5011 ppm	0.4803 ppm
Concentration per Run 3	0.4658 ppm	0.4887 ppm	0.5208 ppm	0.4741 ppm	0.4904 ppm	0.5016 ppm	0.4815 ppm
Recovery Percentage 1	93.478 %	99.630 %	103.336 %	94.139 %	99.029 %	101.395 %	97.630 %
Concentration RSD	0.4 %	1.7 %	0.9 %	0.8 %	1.7 %	1.9 %	2.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5313 ppm	0.4807 ppm	0.5442 ppm	0.4835 ppm	0.5221 ppm	5.0048 ppm	0.5028 ppm
Concentration per Run 1	0.5275 ppm	0.4776 ppm	0.5437 ppm	0.4854 ppm	0.5330 ppm	5.0803 ppm	0.5121 ppm
Concentration per Run 2	0.5316 ppm	0.4809 ppm	0.5441 ppm	0.4830 ppm	0.5181 ppm	4.9755 ppm	0.4989 ppm
Concentration per Run 3	0.5349 ppm	0.4837 ppm	0.5448 ppm	0.4820 ppm	0.5153 ppm	4.9586 ppm	0.4973 ppm
Recovery Percentage 1	106.260 %	96.144 %	108.847 %	96.700 %	104.428 %	100.097 %	100.557 %
Concentration RSD	0.7 %	0.6 %	0.1 %	0.4 %	1.8 %	1.3 %	1.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5501 ppm	0.5112 ppm	0.5017 ppm	9.3279 ppm	0.5224 ppm	0.5364 ppm	0.4757 ppm
Concentration per Run 1	0.5537 ppm	0.5221 ppm	0.4982 ppm	9.5229 ppm	0.5191 ppm	0.5328 ppm	0.4724 ppm
Concentration per Run 2	0.5502 ppm	0.5055 ppm	0.5015 ppm	9.2366 ppm	0.5223 ppm	0.5360 ppm	0.4755 ppm
Concentration per Run 3	0.5465 ppm	0.5061 ppm	0.5054 ppm	9.2242 ppm	0.5260 ppm	0.5403 ppm	0.4792 ppm
Recovery Percentage 1	110.023 %	102.249 %	100.341 %	93.279 %	104.490 %	107.274 %	95.142 %
Concentration RSD	0.7 %	1.8 %	0.7 %	1.8 %	0.7 %	0.7 %	0.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4968 ppm	5.4546 ppm	0.4914 ppm	0.5034 ppm	0.5360 ppm	0.4937 ppm	0.5452 ppm
Concentration per Run 1	0.4925 ppm	5.4137 ppm	0.4865 ppm	0.5136 ppm	0.5370 ppm	0.4903 ppm	0.5451 ppm
Concentration per Run 2	0.5011 ppm	5.4569 ppm	0.4911 ppm	0.4984 ppm	0.5361 ppm	0.4949 ppm	0.5455 ppm
Concentration per Run 3	0.4967 ppm	5.4932 ppm	0.4966 ppm	0.4982 ppm	0.5348 ppm	0.4960 ppm	0.5450 ppm
Recovery Percentage 1	99.357 %	103.898 %	98.281 %	100.681 %	107.197 %	98.744 %	109.042 %
Concentration RSD	0.9 %	0.7 %	1.0 %	1.7 %	0.2 %	0.6 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5493 ppm	98.7187 %	95.3107 %	92.4485 %	103.1490 %	95.6409 %	101.0839 %
Concentration per Run 1	0.5450 ppm	97.6518 %	95.2914 %	93.4849 %	101.0864 %	96.3544 %	101.1041 %
Concentration per Run 2	0.5497 ppm	99.3040 %	95.1899 %	92.2083 %	104.1984 %	95.6692 %	100.9953 %
Concentration per Run 3	0.5532 ppm	99.2002 %	95.4507 %	91.6523 %	104.1621 %	94.8992 %	101.1525 %
Recovery Percentage 1	109.860 %						
Concentration RSD	0.8 %	0.9 %	0.1 %	1.0 %	1.7 %	0.8 %	0.1 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCB
 Analysis started at: 9/18/2025 23:01:02
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0034 ppm	0.0007 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 1	-0.0003 ppm	0.0059 ppm	0.0018 ppm	0.0012 ppm	0.0002 ppm	0.0000 ppm	-0.0045 ppm
Concentration per Run 2	-0.0002 ppm	-0.0016 ppm	-0.0005 ppm	0.0007 ppm	0.0002 ppm	0.0001 ppm	0.0044 ppm
Concentration per Run 3	0.0002 ppm	0.0058 ppm	0.0006 ppm	0.0009 ppm	0.0004 ppm	0.0000 ppm	0.0054 ppm
Recovery Percentage 1	-1.500 %	3.390 %	13.327 %	3.163 %	2.335 %	0.696 %	1.751 %
Concentration RSD	355.6 %	126.8 %	173.7 %	27.1 %	45.9 %	69.8 %	312.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	-0.0010 ppm	0.0011 ppm	0.0212 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0002 ppm	-0.0010 ppm	0.0011 ppm	0.0351 ppm	0.0001 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0005 ppm	-0.0010 ppm	0.0011 ppm	0.0057 ppm	0.0001 ppm
Concentration per Run 3	-0.0001 ppm	-0.0004 ppm	0.0000 ppm	-0.0010 ppm	0.0012 ppm	0.0228 ppm	-0.0007 ppm
Recovery Percentage 1	-1.966 %	-2.030 %	2.012 %	-9.950 %	2.272 %	0.848 %	-1.756 %
Concentration RSD	48.4 %	109.0 %	134.8 %	3.7 %	8.9 %	69.6 %	251.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0120 ppm	-0.0010 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run 1	-0.0005 ppm	-0.0002 ppm	0.0005 ppm	0.0096 ppm	-0.0010 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 2	-0.0004 ppm	0.0003 ppm	0.0001 ppm	0.0054 ppm	-0.0007 ppm	0.0019 ppm	0.0002 ppm
Concentration per Run 3	0.0010 ppm	0.0003 ppm	0.0001 ppm	0.0212 ppm	-0.0013 ppm	0.0007 ppm	-0.0006 ppm
Recovery Percentage 1	0.021 %	1.221 %	0.498 %	0.601 %	-3.969 %	9.246 %	-0.127 %
Concentration RSD	4,122.9 %	259.4 %	100.4 %	68.0 %	33.6 %	93.3 %	802.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	0.0006 ppm	0.0011 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 1	0.0013 ppm	0.0001 ppm	0.0010 ppm	0.0003 ppm	0.0001 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run 2	0.0002 ppm	0.0004 ppm	0.0006 ppm	0.0004 ppm	-0.0002 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run 3	0.0009 ppm	0.0014 ppm	0.0016 ppm	0.0003 ppm	0.0002 ppm	-0.0002 ppm	0.0003 ppm
Recovery Percentage 1	8.064 %	0.122 %	2.106 %	3.273 %	0.121 %	0.389 %	1.481 %
Concentration RSD	69.1 %	108.7 %	46.5 %	15.8 %	1,731.3 %	958.4 %	177.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	94.4707 %	95.1127 %	91.8731 %	98.6713 %	94.6179 %	100.2186 %
Concentration per Run 1	0.0002 ppm	96.5074 %	94.7177 %	92.3393 %	100.0583 %	95.0929 %	99.8030 %
Concentration per Run 2	0.0001 ppm	97.3658 %	95.0704 %	91.9640 %	101.7609 %	94.6227 %	100.2068 %
Concentration per Run 3	0.0000 ppm	89.5387 %	95.5501 %	91.3160 %	94.1948 %	94.1380 %	100.6459 %
Recovery Percentage 1	2.232 %						
Concentration RSD	71.3 %	4.5 %	0.4 %	0.6 %	4.0 %	0.5 %	0.4 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556566-05 WG2112811
 Analysis started at: 9/18/2025 23:12:29
 Comments: <Comment>
 Rack: 1
 Vial: 53

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0284 ppm	0.0020 ppm	0.0265 ppm	0.0278 ppm	0.0000 ppm	17.1050 ppm
Concentration per Run 1	0.0000 ppm	0.0261 ppm	0.0019 ppm	0.0266 ppm	0.0281 ppm	0.0000 ppm	17.3337 ppm
Concentration per Run 2	0.0002 ppm	0.0326 ppm	0.0033 ppm	0.0267 ppm	0.0278 ppm	0.0000 ppm	16.9860 ppm
Concentration per Run 3	0.0001 ppm	0.0266 ppm	0.0008 ppm	0.0263 ppm	0.0276 ppm	0.0000 ppm	16.9953 ppm
Concentration RSD	158.3 %	12.7 %	61.4 %	0.7 %	0.9 %	87.6 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0009 ppm	-0.0002 ppm	0.0705 ppm	5.7244 ppm	-0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0005 ppm	-0.0003 ppm	0.0706 ppm	5.8026 ppm	-0.0011 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0013 ppm	-0.0001 ppm	0.0708 ppm	5.6820 ppm	-0.0002 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0010 ppm	-0.0003 ppm	0.0702 ppm	5.6887 ppm	-0.0007 ppm
Concentration RSD	14.1 %	53.1 %	42.4 %	44.3 %	0.4 %	1.2 %	70.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.7581 ppm	0.0279 ppm	0.0000 ppm	26.9569 ppm	0.0015 ppm	0.0036 ppm	-0.0003 ppm
Concentration per Run 1	2.7864 ppm	0.0284 ppm	0.0002 ppm	27.2568 ppm	0.0015 ppm	0.0038 ppm	0.0003 ppm
Concentration per Run 2	2.7451 ppm	0.0275 ppm	-0.0002 ppm	26.8003 ppm	0.0015 ppm	0.0033 ppm	0.0002 ppm
Concentration per Run 3	2.7429 ppm	0.0278 ppm	0.0000 ppm	26.8138 ppm	0.0015 ppm	0.0038 ppm	-0.0014 ppm
Concentration RSD	0.9 %	1.5 %	2,623.4 %	1.0 %	1.0 %	7.1 %	319.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	5.2089 ppm	0.0004 ppm	0.0713 ppm	0.0010 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 1	0.0024 ppm	5.1920 ppm	0.0007 ppm	0.0721 ppm	0.0010 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run 2	-0.0007 ppm	5.2544 ppm	0.0005 ppm	0.0707 ppm	0.0008 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run 3	0.0011 ppm	5.1802 ppm	0.0002 ppm	0.0710 ppm	0.0010 ppm	0.0016 ppm	0.0004 ppm
Concentration RSD	170.8 %	0.8 %	58.4 %	1.0 %	12.2 %	44.7 %	181.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0016 ppm	99.3326 %	94.4212 %	91.8453 %	104.5731 %	94.5002 %	100.7294 %
Concentration per Run 1	0.0017 ppm	98.3134 %	93.7797 %	92.3347 %	103.2898 %	94.9541 %	100.0816 %
Concentration per Run 2	0.0017 ppm	99.9042 %	94.9131 %	91.1045 %	105.3734 %	93.6184 %	101.2359 %
Concentration per Run 3	0.0014 ppm	99.7801 %	94.5708 %	92.0969 %	105.0563 %	94.9281 %	100.8707 %
Concentration RSD	11.6 %	0.9 %	0.6 %	0.7 %	1.1 %	0.8 %	0.6 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556566-06 WG2112811
 Analysis started at: 9/18/2025 23:16:55
 Comments: <Comment>
 Rack: 1
 Vial: 54

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.8206 ppm	0.0043 ppm	0.0051 ppm	0.0713 ppm	0.0000 ppm	181.0229 ppm
Concentration per Run 1	-0.0003 ppm	0.8325 ppm	0.0072 ppm	0.0054 ppm	0.0729 ppm	0.0000 ppm	185.5010 ppm
Concentration per Run 2	0.0007 ppm	0.8136 ppm	0.0025 ppm	0.0052 ppm	0.0705 ppm	0.0001 ppm	178.6904 ppm
Concentration per Run 3	0.0001 ppm	0.8156 ppm	0.0032 ppm	0.0046 ppm	0.0705 ppm	0.0000 ppm	178.8774 ppm
Concentration RSD	330.5 %	1.3 %	58.1 %	9.0 %	1.9 %	196.4 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0016 ppm	0.0009 ppm	0.0483 ppm	5.1806 ppm	0.0086 ppm
Concentration per Run 1	-0.0002 ppm	0.0004 ppm	0.0018 ppm	0.0012 ppm	0.0492 ppm	5.2960 ppm	0.0080 ppm
Concentration per Run 2	-0.0001 ppm	-0.0002 ppm	0.0015 ppm	0.0007 ppm	0.0476 ppm	5.1233 ppm	0.0085 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0016 ppm	0.0008 ppm	0.0483 ppm	5.1226 ppm	0.0093 ppm
Concentration RSD	29.7 %	219.8 %	9.0 %	29.0 %	1.7 %	1.9 %	7.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.6107 ppm	0.0074 ppm	0.0125 ppm	25.1354 ppm	0.0040 ppm	0.0045 ppm	-0.0008 ppm
Concentration per Run 1	0.6055 ppm	0.0076 ppm	0.0130 ppm	25.6850 ppm	0.0041 ppm	0.0035 ppm	-0.0003 ppm
Concentration per Run 2	0.6163 ppm	0.0074 ppm	0.0123 ppm	24.8456 ppm	0.0042 ppm	0.0061 ppm	-0.0007 ppm
Concentration per Run 3	0.6103 ppm	0.0071 ppm	0.0122 ppm	24.8755 ppm	0.0038 ppm	0.0040 ppm	-0.0014 ppm
Concentration RSD	0.9 %	3.7 %	3.8 %	1.9 %	5.2 %	30.3 %	74.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0001 ppm	2.5888 ppm	-0.0003 ppm	0.3632 ppm	0.0029 ppm	0.0004 ppm	0.0009 ppm
Concentration per Run 1	-0.0013 ppm	2.6919 ppm	0.0001 ppm	0.3712 ppm	0.0028 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run 2	0.0012 ppm	2.5512 ppm	-0.0007 ppm	0.3589 ppm	0.0031 ppm	0.0005 ppm	0.0009 ppm
Concentration per Run 3	-0.0001 ppm	2.5234 ppm	-0.0002 ppm	0.3595 ppm	0.0028 ppm	0.0006 ppm	0.0009 ppm
Concentration RSD	1,353.5 %	3.5 %	161.5 %	1.9 %	5.3 %	70.3 %	2.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0011 ppm	97.8510 %	90.6038 %	85.6989 %	100.9041 %	85.6935 %	95.8436 %
Concentration per Run 1	0.0013 ppm	95.6095 %	90.7901 %	83.0455 %	98.2551 %	82.8044 %	95.8632 %
Concentration per Run 2	0.0010 ppm	99.3134 %	90.5555 %	86.6337 %	102.2768 %	86.5594 %	95.7932 %
Concentration per Run 3	0.0011 ppm	98.6302 %	90.4656 %	87.4175 %	102.1806 %	87.7167 %	95.8742 %
Concentration RSD	12.5 %	2.0 %	0.2 %	2.7 %	2.3 %	3.0 %	0.0 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556566-07 WG2112811
 Analysis started at: 9/18/2025 23:21:24
 Comments: <Comment>
 Rack: 1
 Vial: 55

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0083 ppm	0.0020 ppm	0.0346 ppm	0.0201 ppm	0.0000 ppm	23.9523 ppm
Concentration per Run 1	-0.0002 ppm	0.0106 ppm	0.0031 ppm	0.0343 ppm	0.0203 ppm	-0.0001 ppm	24.3776 ppm
Concentration per Run 2	0.0000 ppm	0.0131 ppm	0.0026 ppm	0.0344 ppm	0.0202 ppm	0.0000 ppm	23.8186 ppm
Concentration per Run 3	-0.0001 ppm	0.0011 ppm	0.0002 ppm	0.0351 ppm	0.0197 ppm	0.0001 ppm	23.6608 ppm
Concentration RSD	92.0 %	76.3 %	78.5 %	1.2 %	1.5 %	924.7 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0032 ppm	0.0011 ppm	0.0330 ppm	4.3025 ppm	0.0005 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0033 ppm	0.0012 ppm	0.0330 ppm	4.4090 ppm	-0.0004 ppm
Concentration per Run 2	-0.0001 ppm	-0.0002 ppm	0.0033 ppm	0.0009 ppm	0.0328 ppm	4.2840 ppm	0.0010 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	0.0031 ppm	0.0012 ppm	0.0331 ppm	4.2144 ppm	0.0010 ppm
Concentration RSD	25.3 %	114.9 %	3.1 %	15.1 %	0.3 %	2.3 %	150.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.1645 ppm	0.0282 ppm	0.0002 ppm	57.0222 ppm	0.0003 ppm	0.0025 ppm	-0.0003 ppm
Concentration per Run 1	7.2672 ppm	0.0287 ppm	0.0003 ppm	58.0249 ppm	0.0003 ppm	0.0019 ppm	0.0003 ppm
Concentration per Run 2	7.2621 ppm	0.0280 ppm	0.0005 ppm	56.7647 ppm	0.0004 ppm	0.0038 ppm	-0.0009 ppm
Concentration per Run 3	6.9641 ppm	0.0279 ppm	0.0000 ppm	56.2769 ppm	0.0003 ppm	0.0017 ppm	-0.0003 ppm
Concentration RSD	2.4 %	1.6 %	102.6 %	1.6 %	12.9 %	47.3 %	204.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0008 ppm	5.6301 ppm	0.0004 ppm	0.1765 ppm	0.0003 ppm	0.0014 ppm	0.0002 ppm
Concentration per Run 1	-0.0009 ppm	5.6274 ppm	0.0002 ppm	0.1797 ppm	0.0004 ppm	0.0021 ppm	0.0002 ppm
Concentration per Run 2	-0.0007 ppm	5.6334 ppm	0.0004 ppm	0.1756 ppm	0.0004 ppm	0.0020 ppm	0.0005 ppm
Concentration per Run 3	-0.0009 ppm	5.6295 ppm	0.0006 ppm	0.1742 ppm	0.0002 ppm	0.0000 ppm	-0.0003 ppm
Concentration RSD	11.4 %	0.1 %	46.8 %	1.6 %	45.5 %	83.9 %	262.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0039 ppm	98.3922 %	93.2375 %	89.7990 %	102.5318 %	91.5120 %	99.4052 %
Concentration per Run 1	0.0039 ppm	97.3567 %	92.4619 %	90.0153 %	100.7213 %	91.4453 %	98.3740 %
Concentration per Run 2	0.0041 ppm	98.7932 %	91.8553 %	90.0617 %	103.0252 %	91.6412 %	97.9187 %
Concentration per Run 3	0.0038 ppm	99.0267 %	95.3951 %	89.3199 %	103.8489 %	91.4493 %	101.9228 %
Concentration RSD	4.0 %	0.9 %	2.0 %	0.5 %	1.6 %	0.1 %	2.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556566-08 WG2112811
 Analysis started at: 9/18/2025 23:25:52
 Comments: <Comment>
 Rack: 1
 Vial: 56

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0167 ppm	0.0035 ppm	0.0375 ppm	0.0194 ppm	0.0000 ppm	26.8221 ppm
Concentration per Run 1	-0.0001 ppm	0.0168 ppm	0.0046 ppm	0.0377 ppm	0.0190 ppm	0.0000 ppm	26.4478 ppm
Concentration per Run 2	-0.0002 ppm	0.0148 ppm	0.0022 ppm	0.0375 ppm	0.0195 ppm	-0.0001 ppm	26.7377 ppm
Concentration per Run 3	0.0006 ppm	0.0185 ppm	0.0038 ppm	0.0372 ppm	0.0197 ppm	0.0000 ppm	27.2809 ppm
Concentration RSD	444.3 %	11.0 %	34.7 %	0.8 %	1.9 %	147.0 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0007 ppm	0.0010 ppm	0.0125 ppm	4.6538 ppm	0.0007 ppm
Concentration per Run 1	-0.0001 ppm	0.0003 ppm	0.0010 ppm	0.0013 ppm	0.0119 ppm	4.5813 ppm	0.0012 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0008 ppm	0.0009 ppm	0.0125 ppm	4.6655 ppm	0.0005 ppm
Concentration per Run 3	-0.0001 ppm	0.0005 ppm	0.0003 ppm	0.0009 ppm	0.0132 ppm	4.7145 ppm	0.0003 ppm
Concentration RSD	13.2 %	52.6 %	49.8 %	22.1 %	5.0 %	1.4 %	67.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.7494 ppm	0.0033 ppm	0.0001 ppm	56.4821 ppm	0.0002 ppm	0.0038 ppm	-0.0011 ppm
Concentration per Run 1	7.7334 ppm	0.0033 ppm	0.0002 ppm	55.5931 ppm	0.0004 ppm	0.0031 ppm	-0.0001 ppm
Concentration per Run 2	7.7639 ppm	0.0033 ppm	0.0001 ppm	56.4246 ppm	0.0001 ppm	0.0041 ppm	-0.0012 ppm
Concentration per Run 3	7.7508 ppm	0.0033 ppm	0.0001 ppm	57.4286 ppm	0.0000 ppm	0.0041 ppm	-0.0021 ppm
Concentration RSD	0.2 %	0.5 %	50.9 %	1.6 %	103.6 %	15.1 %	87.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	5.9260 ppm	0.0005 ppm	0.1896 ppm	0.0002 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 1	0.0005 ppm	5.9363 ppm	0.0000 ppm	0.1868 ppm	0.0001 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 2	0.0007 ppm	5.9252 ppm	0.0003 ppm	0.1894 ppm	-0.0001 ppm	0.0003 ppm	0.0004 ppm
Concentration per Run 3	0.0009 ppm	5.9164 ppm	0.0012 ppm	0.1927 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm
Concentration RSD	23.6 %	0.2 %	120.8 %	1.6 %	173.5 %	558.2 %	93.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0019 ppm	95.2969 %	90.4210 %	87.9351 %	98.9547 %	89.7174 %	95.9558 %
Concentration per Run 1	0.0020 ppm	96.8794 %	90.7963 %	87.6528 %	99.8960 %	89.5632 %	96.2123 %
Concentration per Run 2	0.0019 ppm	95.1717 %	90.3318 %	88.0781 %	99.6299 %	89.6597 %	95.9116 %
Concentration per Run 3	0.0018 ppm	93.8396 %	90.1348 %	88.0743 %	97.3381 %	89.9292 %	95.7434 %
Concentration RSD	5.4 %	1.6 %	0.4 %	0.3 %	1.4 %	0.2 %	0.2 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556566-09 WG2112811
 Analysis started at: 9/18/2025 23:30:21
 Comments: <Comment>
 Rack: 1
 Vial: 57

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0324 ppm	0.0012 ppm	0.0206 ppm	0.0144 ppm	0.0000 ppm	20.3492 ppm
Concentration per Run 1	-0.0001 ppm	0.0370 ppm	0.0003 ppm	0.0211 ppm	0.0145 ppm	0.0000 ppm	20.7203 ppm
Concentration per Run 2	0.0005 ppm	0.0320 ppm	0.0017 ppm	0.0205 ppm	0.0144 ppm	0.0000 ppm	20.1997 ppm
Concentration per Run 3	-0.0004 ppm	0.0283 ppm	0.0017 ppm	0.0201 ppm	0.0143 ppm	0.0000 ppm	20.1277 ppm
Concentration RSD	7,165.5 %	13.5 %	64.7 %	2.3 %	0.8 %	177.1 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0008 ppm	-0.0001 ppm	0.2035 ppm	4.1193 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.2072 ppm	4.1923 ppm	0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0010 ppm	-0.0003 ppm	0.2029 ppm	4.0922 ppm	-0.0003 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0009 ppm	0.0001 ppm	0.2005 ppm	4.0736 ppm	0.0008 ppm
Concentration RSD	88.6 %	142.0 %	38.1 %	166.4 %	1.7 %	1.6 %	140.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.9056 ppm	0.6893 ppm	0.0004 ppm	11.3150 ppm	0.0008 ppm	0.0034 ppm	-0.0007 ppm
Concentration per Run 1	2.8315 ppm	0.7025 ppm	0.0004 ppm	11.5166 ppm	0.0005 ppm	0.0031 ppm	-0.0001 ppm
Concentration per Run 2	3.0404 ppm	0.6846 ppm	0.0003 ppm	11.2349 ppm	0.0011 ppm	0.0033 ppm	-0.0012 ppm
Concentration per Run 3	2.8450 ppm	0.6808 ppm	0.0004 ppm	11.1934 ppm	0.0008 ppm	0.0036 ppm	-0.0007 ppm
Concentration RSD	4.0 %	1.7 %	18.3 %	1.6 %	38.4 %	8.2 %	85.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	4.1195 ppm	0.0007 ppm	0.0728 ppm	0.0018 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run 1	0.0005 ppm	4.1304 ppm	0.0012 ppm	0.0740 ppm	0.0018 ppm	-0.0006 ppm	0.0003 ppm
Concentration per Run 2	0.0002 ppm	4.1089 ppm	0.0004 ppm	0.0722 ppm	0.0018 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 3	0.0006 ppm	4.1192 ppm	0.0005 ppm	0.0722 ppm	0.0017 ppm	-0.0004 ppm	0.0001 ppm
Concentration RSD	52.5 %	0.3 %	61.4 %	1.4 %	3.3 %	45.4 %	164.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0039 ppm	99.4146 %	92.2206 %	91.8124 %	103.6683 %	95.6832 %	98.0906 %
Concentration per Run 1	0.0039 ppm	98.1885 %	94.9252 %	91.9038 %	101.9154 %	95.6504 %	100.7782 %
Concentration per Run 2	0.0038 ppm	99.9172 %	88.1314 %	91.7041 %	104.2454 %	95.6323 %	94.0643 %
Concentration per Run 3	0.0040 ppm	100.1380 %	93.6053 %	91.8293 %	104.8441 %	95.7668 %	99.4292 %
Concentration RSD	3.0 %	1.1 %	3.9 %	0.1 %	1.5 %	0.1 %	3.6 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: L2556566-10 WG2112811
 Analysis started at: 9/18/2025 23:34:50
 Comments: <Comment>
 Rack: 1
 Vial: 58

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0223 ppm	0.0052 ppm	0.0703 ppm	0.0613 ppm	0.0000 ppm	33.5992 ppm
Concentration per Run 1	-0.0001 ppm	0.0281 ppm	0.0039 ppm	0.0687 ppm	0.0626 ppm	0.0000 ppm	34.2864 ppm
Concentration per Run 2	-0.0001 ppm	0.0173 ppm	0.0045 ppm	0.0685 ppm	0.0608 ppm	0.0000 ppm	33.3203 ppm
Concentration per Run 3	-0.0003 ppm	0.0216 ppm	0.0071 ppm	0.0738 ppm	0.0603 ppm	0.0000 ppm	33.1911 ppm
Concentration RSD	63.7 %	24.5 %	33.7 %	4.3 %	2.0 %	123.9 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0006 ppm	0.0007 ppm	3.1470 ppm	4.9237 ppm	0.0013 ppm
Concentration per Run 1	-0.0002 ppm	0.0004 ppm	0.0007 ppm	0.0006 ppm	3.2007 ppm	4.9783 ppm	0.0006 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0004 ppm	3.1315 ppm	4.9127 ppm	0.0015 ppm
Concentration per Run 3	0.0000 ppm	0.0005 ppm	0.0006 ppm	0.0010 ppm	3.1088 ppm	4.8801 ppm	0.0017 ppm
Concentration RSD	51.6 %	26.4 %	32.6 %	46.8 %	1.5 %	1.0 %	48.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.9317 ppm	3.0903 ppm	0.0004 ppm	87.1336 ppm	0.0044 ppm	0.0039 ppm	-0.0002 ppm
Concentration per Run 1	7.9369 ppm	3.1491 ppm	0.0006 ppm	88.6663 ppm	0.0045 ppm	0.0028 ppm	0.0003 ppm
Concentration per Run 2	7.9332 ppm	3.0679 ppm	0.0002 ppm	86.6381 ppm	0.0041 ppm	0.0050 ppm	0.0006 ppm
Concentration per Run 3	7.9251 ppm	3.0539 ppm	0.0005 ppm	86.0964 ppm	0.0046 ppm	0.0038 ppm	-0.0014 ppm
Concentration RSD	0.1 %	1.7 %	43.0 %	1.6 %	6.6 %	28.5 %	623.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	6.3186 ppm	0.0009 ppm	0.1979 ppm	0.0014 ppm	-0.0003 ppm	-0.0010 ppm
Concentration per Run 1	0.0009 ppm	6.1614 ppm	0.0006 ppm	0.2015 ppm	0.0016 ppm	-0.0003 ppm	-0.0012 ppm
Concentration per Run 2	-0.0010 ppm	6.1746 ppm	0.0015 ppm	0.1967 ppm	0.0014 ppm	-0.0003 ppm	-0.0008 ppm
Concentration per Run 3	-0.0006 ppm	6.6197 ppm	0.0007 ppm	0.1954 ppm	0.0012 ppm	-0.0004 ppm	-0.0011 ppm
Concentration RSD	456.8 %	4.1 %	55.4 %	1.6 %	15.7 %	10.6 %	18.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0099 ppm	99.2280 %	91.4848 %	87.8207 %	103.9156 %	89.2113 %	97.8724 %
Concentration per Run 1	0.0097 ppm	98.2018 %	91.8737 %	89.8975 %	102.2652 %	91.4330 %	98.3280 %
Concentration per Run 2	0.0097 ppm	99.9117 %	91.2491 %	89.6675 %	104.4787 %	90.8660 %	97.5749 %
Concentration per Run 3	0.0104 ppm	99.5706 %	91.3316 %	83.8972 %	105.0028 %	85.3349 %	97.7143 %
Concentration RSD	4.3 %	0.9 %	0.4 %	3.9 %	1.4 %	3.8 %	0.4 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCV
Analysis started at: 9/18/2025 23:39:18
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4668 ppm	0.4861 ppm	0.5204 ppm	0.4679 ppm	0.4922 ppm	0.5061 ppm	0.4832 ppm
Concentration per Run 1	0.4672 ppm	0.4907 ppm	0.5192 ppm	0.4674 ppm	0.5001 ppm	0.5149 ppm	0.4906 ppm
Concentration per Run 2	0.4646 ppm	0.4921 ppm	0.5201 ppm	0.4672 ppm	0.4909 ppm	0.5041 ppm	0.4839 ppm
Concentration per Run 3	0.4687 ppm	0.4754 ppm	0.5219 ppm	0.4690 ppm	0.4855 ppm	0.4995 ppm	0.4753 ppm
Recovery Percentage 1	93.368 %	97.210 %	104.084 %	93.577 %	98.435 %	101.228 %	96.648 %
Concentration RSD	0.4 %	1.9 %	0.3 %	0.2 %	1.5 %	1.6 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5261 ppm	0.4732 ppm	0.5488 ppm	0.4837 ppm	0.5186 ppm	5.0287 ppm	0.5018 ppm
Concentration per Run 1	0.5263 ppm	0.4735 ppm	0.5468 ppm	0.4834 ppm	0.5285 ppm	5.0878 ppm	0.5095 ppm
Concentration per Run 2	0.5255 ppm	0.4717 ppm	0.5482 ppm	0.4809 ppm	0.5143 ppm	5.0453 ppm	0.5010 ppm
Concentration per Run 3	0.5266 ppm	0.4743 ppm	0.5513 ppm	0.4867 ppm	0.5131 ppm	4.9530 ppm	0.4948 ppm
Recovery Percentage 1	105.226 %	94.636 %	109.752 %	96.740 %	103.727 %	100.574 %	100.357 %
Concentration RSD	0.1 %	0.3 %	0.4 %	0.6 %	1.7 %	1.4 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5305 ppm	0.5099 ppm	0.4983 ppm	9.2478 ppm	0.5179 ppm	0.5341 ppm	0.4689 ppm
Concentration per Run 1	0.5347 ppm	0.5185 ppm	0.4977 ppm	9.4075 ppm	0.5178 ppm	0.5344 ppm	0.4679 ppm
Concentration per Run 2	0.5305 ppm	0.5078 ppm	0.4982 ppm	9.2131 ppm	0.5173 ppm	0.5340 ppm	0.4691 ppm
Concentration per Run 3	0.5264 ppm	0.5034 ppm	0.4990 ppm	9.1227 ppm	0.5187 ppm	0.5339 ppm	0.4698 ppm
Recovery Percentage 1	106.105 %	101.981 %	99.657 %	92.478 %	103.586 %	106.822 %	93.787 %
Concentration RSD	0.8 %	1.5 %	0.1 %	1.6 %	0.1 %	0.0 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4961 ppm	5.4451 ppm	0.4857 ppm	0.5025 ppm	0.5411 ppm	0.4900 ppm	0.5508 ppm
Concentration per Run 1	0.4954 ppm	5.4358 ppm	0.4853 ppm	0.5105 ppm	0.5406 ppm	0.4902 ppm	0.5493 ppm
Concentration per Run 2	0.4955 ppm	5.4430 ppm	0.4861 ppm	0.5011 ppm	0.5396 ppm	0.4874 ppm	0.5508 ppm
Concentration per Run 3	0.4974 ppm	5.4567 ppm	0.4857 ppm	0.4959 ppm	0.5430 ppm	0.4923 ppm	0.5524 ppm
Recovery Percentage 1	99.225 %	103.717 %	97.143 %	100.504 %	108.219 %	97.993 %	110.165 %
Concentration RSD	0.2 %	0.2 %	0.1 %	1.5 %	0.3 %	0.5 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5437 ppm	97.9708 %	93.7272 %	91.5149 %	103.1252 %	95.7112 %	100.3974 %
Concentration per Run 1	0.5440 ppm	96.5537 %	93.9520 %	91.5300 %	101.4648 %	95.6568 %	100.4959 %
Concentration per Run 2	0.5434 ppm	98.5613 %	93.7277 %	91.5715 %	103.6077 %	95.8393 %	100.3951 %
Concentration per Run 3	0.5436 ppm	98.7975 %	93.5019 %	91.4433 %	104.3033 %	95.6377 %	100.3013 %
Recovery Percentage 1	108.735 %						
Concentration RSD	0.1 %	1.3 %	0.2 %	0.1 %	1.4 %	0.1 %	0.1 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCB
Analysis started at: 9/18/2025 23:43:31
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0077 ppm	0.0015 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run 1	0.0004 ppm	0.0052 ppm	0.0000 ppm	0.0007 ppm	0.0003 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run 2	-0.0007 ppm	0.0151 ppm	0.0026 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run 3	0.0002 ppm	0.0027 ppm	0.0019 ppm	0.0012 ppm	0.0002 ppm	0.0000 ppm	0.0029 ppm
Recovery Percentage 1	-0.833 %	7.664 %	30.263 %	2.874 %	2.252 %	-0.004 %	0.870 %
Concentration RSD	1,371.9 %	85.6 %	88.2 %	31.1 %	39.2 %	8,150.5 %	257.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0009 ppm	0.0010 ppm	0.0386 ppm	-0.0001 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	-0.0013 ppm	0.0014 ppm	0.0608 ppm	-0.0013 ppm
Concentration per Run 2	0.0000 ppm	0.0004 ppm	0.0004 ppm	-0.0010 ppm	0.0001 ppm	0.0226 ppm	0.0006 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0006 ppm	0.0014 ppm	0.0322 ppm	0.0003 ppm
Recovery Percentage 1	-1.737 %	0.959 %	2.491 %	-9.492 %	1.970 %	1.542 %	-1.395 %
Concentration RSD	66.7 %	272.4 %	70.5 %	35.6 %	74.9 %	51.6 %	715.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0014 ppm	0.0001 ppm	0.0003 ppm	0.0233 ppm	-0.0007 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run 1	-0.0002 ppm	0.0004 ppm	0.0003 ppm	0.0311 ppm	-0.0008 ppm	0.0021 ppm	-0.0004 ppm
Concentration per Run 2	0.0011 ppm	0.0000 ppm	0.0002 ppm	0.0236 ppm	-0.0012 ppm	0.0014 ppm	0.0001 ppm
Concentration per Run 3	0.0034 ppm	-0.0001 ppm	0.0002 ppm	0.0151 ppm	-0.0002 ppm	0.0009 ppm	0.0011 ppm
Recovery Percentage 1	1.428 %	0.958 %	0.523 %	1.163 %	-2.834 %	14.529 %	0.489 %
Concentration RSD	129.3 %	313.0 %	29.1 %	34.4 %	71.0 %	42.1 %	324.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0009 ppm	0.0012 ppm	0.0009 ppm	0.0003 ppm	-0.0001 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 1	-0.0013 ppm	0.0012 ppm	0.0011 ppm	0.0003 ppm	-0.0004 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run 2	-0.0027 ppm	0.0007 ppm	0.0005 ppm	0.0003 ppm	0.0001 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run 3	0.0013 ppm	0.0017 ppm	0.0013 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage 1	-8.850 %	0.241 %	1.893 %	3.091 %	-1.226 %	2.676 %	-0.318 %
Concentration RSD	229.9 %	41.3 %	45.4 %	11.8 %	195.6 %	118.4 %	495.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	97.3684 %	96.0362 %	90.7786 %	101.0512 %	93.8763 %	101.2252 %
Concentration per Run 1	0.0002 ppm	96.5765 %	95.2631 %	91.0410 %	99.9050 %	94.1826 %	100.1401 %
Concentration per Run 2	0.0001 ppm	97.8730 %	95.2555 %	91.2503 %	101.4665 %	94.1856 %	100.3161 %
Concentration per Run 3	0.0000 ppm	97.6558 %	97.5901 %	90.0445 %	101.7820 %	93.2608 %	103.2195 %
Recovery Percentage 1	1.964 %						
Concentration RSD	119.4 %	0.7 %	1.4 %	0.7 %	1.0 %	0.6 %	1.7 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCV
 Analysis started at: 9/18/2025 23:48:04
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4638 ppm	0.4865 ppm	0.5309 ppm	0.4761 ppm	0.4895 ppm	0.5044 ppm	0.4829 ppm
Concentration per Run 1	0.4616 ppm	0.4903 ppm	0.5313 ppm	0.4775 ppm	0.4955 ppm	0.5108 ppm	0.4916 ppm
Concentration per Run 2	0.4666 ppm	0.4818 ppm	0.5298 ppm	0.4758 ppm	0.4876 ppm	0.5022 ppm	0.4787 ppm
Concentration per Run 3	0.4631 ppm	0.4874 ppm	0.5315 ppm	0.4749 ppm	0.4853 ppm	0.5001 ppm	0.4785 ppm
Recovery Percentage 1	92.758 %	97.307 %	106.171 %	95.214 %	97.892 %	100.873 %	96.581 %
Concentration RSD	0.6 %	0.9 %	0.2 %	0.3 %	1.1 %	1.1 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5366 ppm	0.4792 ppm	0.5471 ppm	0.4805 ppm	0.5173 ppm	4.9897 ppm	0.4992 ppm
Concentration per Run 1	0.5389 ppm	0.4813 ppm	0.5440 ppm	0.4790 ppm	0.5246 ppm	5.0560 ppm	0.5045 ppm
Concentration per Run 2	0.5368 ppm	0.4793 ppm	0.5507 ppm	0.4831 ppm	0.5149 ppm	4.9891 ppm	0.4971 ppm
Concentration per Run 3	0.5341 ppm	0.4769 ppm	0.5466 ppm	0.4793 ppm	0.5125 ppm	4.9241 ppm	0.4959 ppm
Recovery Percentage 1	107.325 %	95.831 %	109.420 %	96.098 %	103.469 %	99.795 %	99.837 %
Concentration RSD	0.5 %	0.5 %	0.6 %	0.5 %	1.2 %	1.3 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5293 ppm	0.5080 ppm	0.5066 ppm	9.1440 ppm	0.5284 ppm	0.5447 ppm	0.4780 ppm
Concentration per Run 1	0.5285 ppm	0.5140 ppm	0.5082 ppm	9.2563 ppm	0.5301 ppm	0.5462 ppm	0.4817 ppm
Concentration per Run 2	0.5327 ppm	0.5065 ppm	0.5072 ppm	9.1011 ppm	0.5291 ppm	0.5450 ppm	0.4776 ppm
Concentration per Run 3	0.5266 ppm	0.5035 ppm	0.5044 ppm	9.0746 ppm	0.5260 ppm	0.5428 ppm	0.4746 ppm
Recovery Percentage 1	105.855 %	101.601 %	101.316 %	91.440 %	105.685 %	108.935 %	95.590 %
Concentration RSD	0.6 %	1.1 %	0.4 %	1.1 %	0.4 %	0.3 %	0.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.5062 ppm	5.5422 ppm	0.4928 ppm	0.4991 ppm	0.5412 ppm	0.4956 ppm	0.5502 ppm
Concentration per Run 1	0.5071 ppm	5.5602 ppm	0.4936 ppm	0.5049 ppm	0.5391 ppm	0.4978 ppm	0.5492 ppm
Concentration per Run 2	0.5045 ppm	5.5450 ppm	0.4938 ppm	0.4976 ppm	0.5443 ppm	0.4965 ppm	0.5526 ppm
Concentration per Run 3	0.5069 ppm	5.5212 ppm	0.4909 ppm	0.4948 ppm	0.5402 ppm	0.4925 ppm	0.5488 ppm
Recovery Percentage 1	101.238 %	105.565 %	98.555 %	99.820 %	108.244 %	99.117 %	110.039 %
Concentration RSD	0.3 %	0.4 %	0.3 %	1.0 %	0.5 %	0.6 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5561 ppm	97.3195 %	93.8727 %	89.5990 %	102.8307 %	93.9297 %	100.8250 %
Concentration per Run 1	0.5582 ppm	95.5968 %	94.4361 %	89.1197 %	100.7149 %	93.6093 %	101.3574 %
Concentration per Run 2	0.5567 ppm	98.5432 %	93.4529 %	89.5770 %	103.8327 %	93.7899 %	100.3228 %
Concentration per Run 3	0.5533 ppm	97.8184 %	93.7290 %	90.1002 %	103.9446 %	94.3900 %	100.7950 %
Recovery Percentage 1	111.215 %						
Concentration RSD	0.5 %	1.6 %	0.5 %	0.5 %	1.8 %	0.4 %	0.5 %

ICP Data Trace 7

9/19/2025 12:08:13



LabBook: WG2116611_09182025T7.imexp

Sample: CCB
Analysis started at: 9/18/2025 23:52:17
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0008 ppm	0.0019 ppm	0.0006 ppm	0.0003 ppm	0.0000 ppm	0.0034 ppm
Concentration per Run 1	0.0001 ppm	-0.0050 ppm	0.0019 ppm	0.0012 ppm	0.0003 ppm	0.0001 ppm	0.0050 ppm
Concentration per Run 2	-0.0001 ppm	-0.0026 ppm	0.0027 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	-0.0046 ppm
Concentration per Run 3	-0.0003 ppm	0.0099 ppm	0.0012 ppm	0.0004 ppm	0.0005 ppm	0.0000 ppm	0.0097 ppm
Recovery Percentage 1	-2.107 %	0.767 %	38.415 %	2.010 %	3.257 %	0.552 %	3.368 %
Concentration RSD	173.9 %	1,044.3 %	37.5 %	88.9 %	35.6 %	129.4 %	216.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0005 ppm	-0.0010 ppm	0.0019 ppm	0.0411 ppm	0.0011 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	-0.0011 ppm	0.0025 ppm	0.0470 ppm	0.0006 ppm
Concentration per Run 2	-0.0001 ppm	-0.0002 ppm	0.0003 ppm	-0.0013 ppm	0.0023 ppm	0.0354 ppm	0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0006 ppm	-0.0007 ppm	0.0007 ppm	0.0407 ppm	0.0025 ppm
Recovery Percentage 1	-2.249 %	-0.151 %	4.607 %	-10.297 %	3.723 %	1.642 %	10.508 %
Concentration RSD	7.5 %	1,443.6 %	39.1 %	29.5 %	52.2 %	14.1 %	118.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0018 ppm	0.0000 ppm	0.0003 ppm	0.0095 ppm	-0.0010 ppm	0.0015 ppm	-0.0007 ppm
Concentration per Run 1	0.0002 ppm	-0.0003 ppm	0.0003 ppm	-0.0012 ppm	-0.0007 ppm	0.0012 ppm	-0.0007 ppm
Concentration per Run 2	0.0017 ppm	0.0001 ppm	0.0004 ppm	0.0123 ppm	-0.0013 ppm	0.0019 ppm	-0.0002 ppm
Concentration per Run 3	0.0034 ppm	0.0003 ppm	0.0001 ppm	0.0175 ppm	-0.0012 ppm	0.0015 ppm	-0.0013 ppm
Recovery Percentage 1	1.762 %	0.440 %	0.509 %	0.477 %	-4.176 %	15.289 %	-1.472 %
Concentration RSD	92.1 %	776.2 %	53.2 %	100.9 %	28.6 %	22.4 %	78.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	0.0016 ppm	0.0007 ppm	0.0003 ppm	-0.0001 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run 1	-0.0009 ppm	0.0022 ppm	0.0004 ppm	0.0003 ppm	-0.0001 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 2	-0.0001 ppm	0.0006 ppm	0.0005 ppm	0.0004 ppm	-0.0001 ppm	-0.0003 ppm	-0.0001 ppm
Concentration per Run 3	-0.0010 ppm	0.0020 ppm	0.0012 ppm	0.0001 ppm	-0.0001 ppm	0.0005 ppm	-0.0003 ppm
Recovery Percentage 1	-6.695 %	0.323 %	1.398 %	2.698 %	-0.878 %	1.389 %	-1.075 %
Concentration RSD	74.9 %	53.7 %	61.1 %	64.1 %	30.4 %	172.0 %	154.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	91.5823 %	93.3545 %	89.8150 %	96.5252 %	93.0870 %	98.9909 %
Concentration per Run 1	0.0002 ppm	92.9911 %	93.1795 %	90.0029 %	97.3564 %	93.3935 %	98.6789 %
Concentration per Run 2	0.0002 ppm	96.0481 %	93.4108 %	91.1336 %	101.1194 %	94.2359 %	99.0912 %
Concentration per Run 3	0.0002 ppm	85.7078 %	93.4732 %	88.3086 %	91.0997 %	91.6315 %	99.2025 %
Recovery Percentage 1	3.714 %						
Concentration RSD	7.3 %	5.8 %	0.2 %	1.6 %	5.2 %	1.4 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: zBlank EFM Trace11
Analysis started at: 9/24/2025 7:03:34 AM
Comment: <Comment>
Rack Number: 0
Vial Numbers: 1

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: Blank EFM Trace11
 Analysis started at: 9/24/2025 7:05:57 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 1

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.1 %	-3.7 %	-0.9 %	0.4 %	1.4 %	-0.2 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	2.5 %	0.3 %	0.0 %	-0.5 %	-1.0 %	-0.1 %	0.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.3 %	-0.5 %	-0.8 %	-0.2 %	-0.3 %	-41.3 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.4 %	0.3 %	6.9 %	16.7 %	-0.2 %	3.0 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: ICAL
 Analysis started at: 9/24/2025 7:08:02 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 2

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run	0.9960 ppm	24.9876 ppm	0.9930 ppm	0.9976 ppm	0.9994 ppm	0.9984 ppm	10.0067 ppm
Concentration per Run	1.0037 ppm	24.9562 ppm	1.0020 ppm	1.0027 ppm	0.9982 ppm	0.9963 ppm	9.9560 ppm
Concentration per Run	1.0003 ppm	25.0562 ppm	1.0050 ppm	0.9997 ppm	1.0024 ppm	1.0052 ppm	10.0373 ppm
Concentration RSD	0.4 %	0.2 %	0.6 %	0.3 %	0.2 %	0.5 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run	0.9938 ppm	0.9969 ppm	0.9951 ppm	0.9902 ppm	24.9495 ppm	34.8941 ppm	0.9956 ppm
Concentration per Run	1.0028 ppm	1.0006 ppm	1.0026 ppm	1.0057 ppm	24.9871 ppm	34.9618 ppm	0.9982 ppm
Concentration per Run	1.0034 ppm	1.0025 ppm	1.0023 ppm	1.0041 ppm	25.0634 ppm	35.1441 ppm	1.0063 ppm
Concentration RSD	0.5 %	0.3 %	0.4 %	0.8 %	0.2 %	0.4 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	9.9723 ppm	1.0005 ppm	1.0036 ppm	25.0534 ppm	0.9971 ppm	0.9993 ppm	0.9996 ppm
Concentration per Run	10.0016 ppm	0.9992 ppm	0.9992 ppm	25.1448 ppm	1.0003 ppm	0.9954 ppm	1.0079 ppm
Concentration per Run	10.0261 ppm	1.0003 ppm	0.9972 ppm	24.8017 ppm	1.0026 ppm	1.0053 ppm	0.9925 ppm
Concentration RSD	0.3 %	0.1 %	0.3 %	0.7 %	0.3 %	0.5 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	0.9931 ppm	9.9477 ppm	0.9988 ppm	1.0007 ppm	0.9913 ppm	0.9984 ppm	0.9934 ppm
Concentration per Run	0.9997 ppm	10.0111 ppm	1.0017 ppm	0.9965 ppm	1.0057 ppm	0.9956 ppm	1.0023 ppm
Concentration per Run	1.0072 ppm	10.0412 ppm	0.9995 ppm	1.0028 ppm	1.0030 ppm	1.0060 ppm	1.0043 ppm
Concentration RSD	0.7 %	0.5 %	0.2 %	0.3 %	0.8 %	0.5 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0000 ppm	96.4625 %	100.4862 %	95.8874 %	93.9558 %	99.8808 %	96.1521 %
Concentration per Run	1.0002 ppm	96.0782 %	100.3192 %	96.1047 %	93.5550 %	100.1300 %	96.4111 %
Concentration per Run	0.9999 ppm	96.5546 %	100.0539 %	96.1043 %	94.1611 %	100.7300 %	96.3372 %
Concentration per Run	0.9999 ppm	96.7549 %	101.0854 %	95.4533 %	94.1514 %	98.7824 %	95.7078 %
Concentration RSD	0.0 %	0.4 %	0.5 %	0.4 %	0.4 %	1.0 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: ICV
 Analysis started at: 9/24/2025 7:10:06 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4893 ppm	0.4825 ppm	0.4800 ppm	0.4877 ppm	0.4935 ppm	0.5077 ppm	0.4984 ppm
Concentration per Run	0.4873 ppm	0.4894 ppm	0.4794 ppm	0.4862 ppm	0.4926 ppm	0.5084 ppm	0.5002 ppm
Concentration per Run	0.4891 ppm	0.4774 ppm	0.4821 ppm	0.4853 ppm	0.4940 ppm	0.5094 ppm	0.4991 ppm
Concentration per Run	0.4914 ppm	0.4807 ppm	0.4784 ppm	0.4916 ppm	0.4938 ppm	0.5054 ppm	0.4960 ppm
Recovery Percentage	97.852 %	96.498 %	95.994 %	97.539 %	98.697 %	101.545 %	99.689 %
Concentration RSD	0.4 %	1.3 %	0.4 %	0.7 %	0.2 %	0.4 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4995 ppm	0.5051 ppm	0.4993 ppm	0.5115 ppm	0.4973 ppm	5.1941 ppm	0.5099 ppm
Concentration per Run	0.4991 ppm	0.5058 ppm	0.4986 ppm	0.5095 ppm	0.4956 ppm	5.2077 ppm	0.5058 ppm
Concentration per Run	0.4988 ppm	0.5006 ppm	0.4987 ppm	0.5111 ppm	0.4991 ppm	5.2207 ppm	0.5118 ppm
Concentration per Run	0.5007 ppm	0.5090 ppm	0.5005 ppm	0.5140 ppm	0.4973 ppm	5.1539 ppm	0.5120 ppm
Recovery Percentage	99.904 %	101.024 %	99.851 %	102.304 %	99.468 %	103.881 %	101.976 %
Concentration RSD	0.2 %	0.8 %	0.2 %	0.4 %	0.4 %	0.7 %	0.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4987 ppm	0.5055 ppm	0.4865 ppm	10.0643 ppm	0.5089 ppm	0.5028 ppm	0.5026 ppm
Concentration per Run	0.4983 ppm	0.5067 ppm	0.4847 ppm	10.1358 ppm	0.5099 ppm	0.5065 ppm	0.5023 ppm
Concentration per Run	0.5014 ppm	0.5062 ppm	0.4840 ppm	10.0760 ppm	0.5088 ppm	0.5002 ppm	0.5041 ppm
Concentration per Run	0.4963 ppm	0.5037 ppm	0.4908 ppm	9.9810 ppm	0.5079 ppm	0.5017 ppm	0.5013 ppm
Recovery Percentage	99.732 %	101.108 %	97.300 %	100.643 %	101.771 %	100.563 %	100.515 %
Concentration RSD	0.5 %	0.3 %	0.8 %	0.8 %	0.2 %	0.6 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4872 ppm	5.3291 ppm	0.4911 ppm	0.4956 ppm	0.4941 ppm	0.5079 ppm	0.5006 ppm
Concentration per Run	0.4887 ppm	5.3213 ppm	0.4884 ppm	0.4934 ppm	0.4921 ppm	0.5109 ppm	0.5004 ppm
Concentration per Run	0.4913 ppm	5.3158 ppm	0.4963 ppm	0.4969 ppm	0.4932 ppm	0.5090 ppm	0.4990 ppm
Concentration per Run	0.4818 ppm	5.3501 ppm	0.4886 ppm	0.4964 ppm	0.4971 ppm	0.5037 ppm	0.5023 ppm
Recovery Percentage	97.449 %	101.506 %	98.220 %	99.111 %	98.829 %	101.576 %	100.110 %
Concentration RSD	1.0 %	0.3 %	0.9 %	0.4 %	0.5 %	0.7 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5010 ppm	99.1101 %	104.5776 %	101.7676 %	96.8997 %	102.8417 %	100.7506 %
Concentration per Run	0.5013 ppm	98.1033 %	104.4071 %	100.8192 %	95.5754 %	103.1131 %	99.9165 %
Concentration per Run	0.4978 ppm	97.8209 %	104.0564 %	101.9167 %	95.8310 %	102.5225 %	100.8773 %
Concentration per Run	0.5039 ppm	101.4063 %	105.2693 %	102.5669 %	99.2927 %	102.8896 %	101.4582 %
Recovery Percentage	100.201 %						
Concentration RSD	0.6 %	2.0 %	0.6 %	0.9 %	2.1 %	0.3 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: ICB
 Analysis started at: 9/24/2025 7:12:11 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0030 ppm	-0.0004 ppm	0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0129 ppm
Concentration per Run	0.0000 ppm	0.0031 ppm	-0.0014 ppm	0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0137 ppm
Concentration per Run	0.0002 ppm	-0.0016 ppm	0.0012 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0134 ppm
Concentration per Run	0.0005 ppm	-0.0105 ppm	-0.0010 ppm	-0.0003 ppm	0.0003 ppm	0.0001 ppm	0.0115 ppm
Recovery Percentage	3.372 %	-2.992 %	-7.952 %	1.279 %	1.591 %	1.851 %	12.852 %
Concentration RSD	119.2 %	230.9 %	347.7 %	225.6 %	71.8 %	17.9 %	9.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0019 ppm	0.0354 ppm	-0.0002 ppm
Concentration per Run	-0.0001 ppm	-0.0004 ppm	0.0002 ppm	-0.0001 ppm	0.0012 ppm	0.0629 ppm	-0.0011 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0003 ppm	0.0001 ppm	0.0019 ppm	0.0339 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0005 ppm	0.0004 ppm	0.0027 ppm	0.0093 ppm	-0.0009 ppm
Recovery Percentage	-0.721 %	-1.497 %	-0.148 %	1.358 %	3.826 %	1.415 %	-4.163 %
Concentration RSD	154.5 %	92.9 %	2,779.8 %	201.9 %	39.7 %	75.8 %	655.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0013 ppm	0.0004 ppm	0.0005 ppm	0.0023 ppm	-0.0009 ppm	0.0008 ppm	0.0017 ppm
Concentration per Run	0.0017 ppm	0.0002 ppm	0.0001 ppm	0.0049 ppm	-0.0003 ppm	0.0009 ppm	-0.0003 ppm
Concentration per Run	0.0015 ppm	0.0005 ppm	0.0002 ppm	-0.0017 ppm	-0.0016 ppm	0.0004 ppm	0.0043 ppm
Concentration per Run	0.0005 ppm	0.0006 ppm	0.0011 ppm	0.0037 ppm	-0.0010 ppm	0.0010 ppm	0.0011 ppm
Recovery Percentage	1.263 %	4.326 %	0.914 %	0.115 %	-3.798 %	7.816 %	3.462 %
Concentration RSD	50.6 %	40.3 %	120.1 %	154.3 %	66.9 %	40.0 %	134.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0019 ppm	0.0003 ppm	0.0003 ppm	-0.0002 ppm	0.0003 ppm	-0.0005 ppm	-0.0002 ppm
Concentration per Run	-0.0015 ppm	0.0015 ppm	0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0007 ppm	-0.0024 ppm	-0.0001 ppm	-0.0003 ppm	0.0004 ppm	-0.0020 ppm	-0.0002 ppm
Concentration per Run	-0.0049 ppm	0.0017 ppm	0.0004 ppm	-0.0002 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm
Recovery Percentage	-18.943 %	0.059 %	0.582 %	-1.567 %	2.749 %	-2.538 %	-1.551 %
Concentration RSD	149.7 %	776.8 %	133.9 %	132.2 %	59.9 %	264.8 %	28.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	99.6589 %	102.3428 %	100.9023 %	99.1665 %	101.1242 %	101.0358 %
Concentration per Run	0.0012 ppm	99.6205 %	102.9306 %	101.0674 %	99.2464 %	100.5155 %	101.1888 %
Concentration per Run	0.0000 ppm	99.4593 %	103.4279 %	100.3298 %	98.9605 %	101.0903 %	100.5479 %
Concentration per Run	0.0004 ppm	99.8968 %	100.6698 %	101.3098 %	99.2926 %	101.7668 %	101.3707 %
Recovery Percentage	10.967 %						
Concentration RSD	108.9 %	0.2 %	1.4 %	0.5 %	0.2 %	0.6 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LLOQ
 Analysis started at: 9/24/2025 7:24:33 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 5

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0056 ppm	0.1092 ppm	0.0033 ppm	0.0343 ppm	0.0108 ppm	0.0055 ppm	0.1191 ppm
Concentration per Run	0.0050 ppm	0.1016 ppm	0.0062 ppm	0.0328 ppm	0.0108 ppm	0.0055 ppm	0.1137 ppm
Concentration per Run	0.0057 ppm	0.1239 ppm	0.0029 ppm	0.0363 ppm	0.0107 ppm	0.0055 ppm	0.1202 ppm
Concentration per Run	0.0060 ppm	0.1022 ppm	0.0008 ppm	0.0339 ppm	0.0109 ppm	0.0055 ppm	0.1235 ppm
Recovery Percentage	111.682 %	109.229 %	65.875 %	114.407 %	108.074 %	109.804 %	119.139 %
Concentration RSD	8.8 %	11.7 %	83.8 %	5.1 %	1.2 %	0.6 %	4.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0042 ppm	0.0103 ppm	0.0108 ppm	0.0110 ppm	0.0629 ppm	2.7672 ppm	0.0108 ppm
Concentration per Run	0.0042 ppm	0.0106 ppm	0.0110 ppm	0.0114 ppm	0.0632 ppm	2.7588 ppm	0.0113 ppm
Concentration per Run	0.0042 ppm	0.0105 ppm	0.0113 ppm	0.0105 ppm	0.0597 ppm	2.7660 ppm	0.0111 ppm
Concentration per Run	0.0043 ppm	0.0097 ppm	0.0102 ppm	0.0109 ppm	0.0659 ppm	2.7769 ppm	0.0099 ppm
Recovery Percentage	105.956 %	102.584 %	108.393 %	109.572 %	125.887 %	110.689 %	107.823 %
Concentration RSD	1.6 %	4.6 %	5.0 %	4.2 %	5.0 %	0.3 %	7.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.1102 ppm	0.0108 ppm	0.0526 ppm	2.1634 ppm	0.0215 ppm	0.0124 ppm	0.0556 ppm
Concentration per Run	0.1083 ppm	0.0107 ppm	0.0518 ppm	2.1641 ppm	0.0206 ppm	0.0121 ppm	0.0570 ppm
Concentration per Run	0.1135 ppm	0.0107 ppm	0.0539 ppm	2.1580 ppm	0.0216 ppm	0.0129 ppm	0.0529 ppm
Concentration per Run	0.1088 ppm	0.0110 ppm	0.0522 ppm	2.1683 ppm	0.0222 ppm	0.0122 ppm	0.0569 ppm
Recovery Percentage	110.199 %	107.983 %	105.274 %	108.172 %	85.827 %	123.686 %	111.150 %
Concentration RSD	2.6 %	1.4 %	2.1 %	0.2 %	3.8 %	3.5 %	4.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0097 ppm	0.5557 ppm	0.0547 ppm	0.0106 ppm	0.0111 ppm	0.0201 ppm	0.0105 ppm
Concentration per Run	0.0080 ppm	0.5534 ppm	0.0553 ppm	0.0106 ppm	0.0112 ppm	0.0211 ppm	0.0108 ppm
Concentration per Run	0.0093 ppm	0.5526 ppm	0.0530 ppm	0.0105 ppm	0.0111 ppm	0.0191 ppm	0.0105 ppm
Concentration per Run	0.0119 ppm	0.5612 ppm	0.0558 ppm	0.0106 ppm	0.0109 ppm	0.0202 ppm	0.0103 ppm
Recovery Percentage	97.059 %	111.141 %	109.416 %	105.747 %	110.720 %	100.534 %	105.401 %
Concentration RSD	20.5 %	0.9 %	2.7 %	0.8 %	1.8 %	5.0 %	2.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0065 ppm	98.9279 %	101.6922 %	100.8504 %	97.4179 %	99.9700 %	99.9214 %
Concentration per Run	0.0066 ppm	97.0138 %	103.7729 %	100.1917 %	95.5210 %	101.6715 %	99.4728 %
Concentration per Run	0.0063 ppm	99.6376 %	101.1381 %	100.7449 %	97.8299 %	99.8355 %	99.7235 %
Concentration per Run	0.0066 ppm	100.1323 %	100.1656 %	101.6146 %	98.9028 %	98.4032 %	100.5680 %
Recovery Percentage	129.535 %						
Concentration RSD	3.0 %	1.7 %	1.8 %	0.7 %	1.8 %	1.6 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: ICSA
Analysis started at: 9/24/2025 7:26:43 AM
Comment: LDR +/-10%
Rack Number: 0
Vial Numbers: 6

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0013 ppm	541.7858 [SIC 1000]	-0.0068 ppm	0.0041 ppm	0.0019 ppm	0.0001 ppm	515.0908 ppm
Concentration per Run	0.0010 ppm	538.1866 ppm	-0.0091 ppm	0.0015 ppm	0.0019 ppm	0.0001 ppm	512.2603 ppm
Concentration per Run	0.0012 ppm	539.1784 ppm	-0.0041 ppm	0.0066 ppm	0.0018 ppm	0.0002 ppm	512.8710 ppm
Concentration per Run	0.0016 ppm	547.9924 ppm	-0.0071 ppm	0.0042 ppm	0.0019 ppm	0.0001 ppm	520.1411 ppm
Recovery Percentage	17.865 %		-135.137 %	13.679 %	18.716 %	2.707 %	
Concentration RSD	25.5 %	1.0 %	37.2 %	63.1 %	4.0 %	55.4 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0064 ppm	-0.0005 ppm	0.0005 ppm	0.0038 ppm	202.5073 ppm	0.0774 ppm	0.0058 ppm
Concentration per Run	-0.0064 ppm	-0.0005 ppm	0.0004 ppm	0.0040 ppm	201.4676 ppm	0.0906 ppm	0.0103 ppm
Concentration per Run	-0.0065 ppm	-0.0004 ppm	0.0012 ppm	0.0034 ppm	200.9254 ppm	0.0723 ppm	0.0031 ppm
Concentration per Run	-0.0064 ppm	-0.0006 ppm	0.0000 ppm	0.0039 ppm	205.1289 ppm	0.0693 ppm	0.0040 ppm
Recovery Percentage	-128.579 %	-2.462 %	5.470 %	37.514 %		3.097 %	115.777 %
Concentration RSD	0.6 %	20.7 %	106.7 %	7.4 %	1.1 %	14.8 %	67.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	518.1680 [SIC 1000]	-0.0028 ppm	0.0003 ppm	0.0148 ppm	0.0016 ppm	-0.0040 ppm	-0.0004 ppm
Concentration per Run	513.3080 ppm	-0.0028 ppm	0.0003 ppm	0.0203 ppm	0.0014 ppm	-0.0033 ppm	-0.0009 ppm
Concentration per Run	516.9755 ppm	-0.0027 ppm	0.0002 ppm	0.0116 ppm	0.0017 ppm	-0.0043 ppm	0.0005 ppm
Concentration per Run	524.2205 ppm	-0.0029 ppm	0.0003 ppm	0.0125 ppm	0.0018 ppm	-0.0044 ppm	-0.0008 ppm
Recovery Percentage		-27.868 %	0.515 %	0.741 %	6.449 %	-40.104 %	-0.829 %
Concentration RSD	1.1 %	2.9 %	23.7 %	32.3 %	13.5 %	16.3 %	182.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0025 ppm	0.0085 ppm	0.0000 ppm	0.0058 ppm	0.0009 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run	0.0089 ppm	0.0104 ppm	0.0006 ppm	0.0059 ppm	0.0010 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run	-0.0021 ppm	0.0079 ppm	0.0004 ppm	0.0058 ppm	0.0010 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	0.0007 ppm	0.0072 ppm	-0.0011 ppm	0.0057 ppm	0.0008 ppm	-0.0013 ppm	0.0000 ppm
Recovery Percentage	24.965 %	1.702 %	-0.062 %	58.008 %	9.284 %	-1.404 %	-0.163 %
Concentration RSD	228.0 %	19.6 %	2,939.4 %	1.4 %	13.8 %	327.6 %	352.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0073 ppm	87.0673 %	96.6459 %	80.5427 %	84.8847 %	96.9090 %	87.6147 %
Concentration per Run	-0.0078 ppm	88.0547 %	97.5469 %	80.5230 %	85.9643 %	96.9179 %	87.5287 %
Concentration per Run	-0.0073 ppm	87.2368 %	97.1596 %	80.6410 %	85.3338 %	97.0344 %	87.6576 %
Concentration per Run	-0.0069 ppm	85.9104 %	95.2311 %	80.4641 %	83.3561 %	96.7748 %	87.6577 %
Recovery Percentage	-146.395 %						
Concentration RSD	5.6 %	1.2 %	1.3 %	0.1 %	1.6 %	0.1 %	0.1 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: SIC Multi
Analysis started at: 9/24/2025 7:36:10 AM
Comment: LDR +/-10%
Rack Number: 0
Vial Numbers: 7

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0006 ppm	0.0133 ppm	-0.0013 ppm	0.0036 ppm	0.0003 ppm	0.0001 ppm	-0.0297 ppm
Concentration per Run	-0.0008 ppm	0.0044 ppm	0.0003 ppm	0.0040 ppm	0.0004 ppm	0.0002 ppm	-0.0314 ppm
Concentration per Run	0.0007 ppm	0.0103 ppm	-0.0044 ppm	0.0035 ppm	0.0003 ppm	0.0006 ppm	-0.0355 ppm
Concentration per Run	-0.0016 ppm	0.0252 ppm	0.0002 ppm	0.0032 ppm	0.0003 ppm	-0.0005 ppm	-0.0221 ppm
Recovery Percentage	-8.563 %	13.272 %	-25.265 %	11.848 %	3.495 %	3.287 %	-29.667 %
Concentration RSD	196.3 %	80.7 %	213.5 %	11.1 %	26.1 %	431.2 %	23.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0056 ppm	22.1577 ppm	-0.0021 ppm	0.0103 ppm	0.0439 ppm	0.0013 ppm
Concentration per Run	0.0000 ppm	-0.0056 ppm	22.0559 ppm	-0.0017 ppm	0.0102 ppm	0.0453 ppm	0.0015 ppm
Concentration per Run	0.0001 ppm	-0.0051 ppm	22.2465 ppm	-0.0024 ppm	0.0094 ppm	0.0481 ppm	0.0016 ppm
Concentration per Run	-0.0002 ppm	-0.0059 ppm	22.1708 ppm	-0.0021 ppm	0.0112 ppm	0.0383 ppm	0.0009 ppm
Recovery Percentage	-0.869 %	-27.774 %	221,577.371 %	-20.665 %	20.582 %	1.756 %	26.811 %
Concentration RSD	358.7 %	7.4 %	0.4 %	16.6 %	8.8 %	11.4 %	29.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0300 ppm	21.8996 [SIC 80]	-0.0006 ppm	0.0134 ppm	-0.0005 ppm	-0.0002 ppm	-0.0416 ppm
Concentration per Run	-0.0264 ppm	21.7836 ppm	-0.0015 ppm	0.0190 ppm	-0.0004 ppm	0.0001 ppm	-0.0506 ppm
Concentration per Run	-0.0305 ppm	21.9869 ppm	-0.0003 ppm	0.0055 ppm	-0.0009 ppm	-0.0009 ppm	-0.0359 ppm
Concentration per Run	-0.0330 ppm	21.9284 ppm	-0.0001 ppm	0.0158 ppm	-0.0002 ppm	0.0003 ppm	-0.0383 ppm
Recovery Percentage	-29.999 %	218,996.358 %	-1.284 %	0.672 %	-2.004 %	-1.698 %	-83.244 %
Concentration RSD	11.1 %	0.5 %	118.0 %	52.3 %	78.5 %	394.3 %	19.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0065 ppm	0.3749 ppm	0.0063 ppm	0.0003 ppm	21.7418 ppm	0.0082 ppm	10.9946 [SIC xx]
Concentration per Run	-0.0055 ppm	0.3264 ppm	0.0062 ppm	0.0004 ppm	21.6549 ppm	0.0106 ppm	10.9592 ppm
Concentration per Run	-0.0020 ppm	0.3759 ppm	0.0056 ppm	0.0002 ppm	21.7906 ppm	0.0093 ppm	11.0056 ppm
Concentration per Run	-0.0119 ppm	0.4226 ppm	0.0070 ppm	0.0002 ppm	21.7801 ppm	0.0048 ppm	11.0189 ppm
Recovery Percentage	-64.827 %	74.985 %	12.617 %	2.636 %	217,418.368 %	41.235 %	109,945.869 %
Concentration RSD	77.6 %	12.8 %	11.1 %	52.9 %	0.3 %	36.5 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0020 ppm	95.6512 %	100.3575 %	97.9545 %	93.9037 %	97.5007 %	96.8359 %
Concentration per Run	0.0023 ppm	96.2528 %	100.2806 %	98.9887 %	94.4645 %	97.2934 %	97.6870 %
Concentration per Run	0.0015 ppm	95.3367 %	100.3854 %	97.3087 %	93.6552 %	99.4180 %	96.0635 %
Concentration per Run	0.0021 ppm	95.3641 %	100.4064 %	97.5661 %	93.5914 %	95.7906 %	96.7571 %
Recovery Percentage	39.212 %						
Concentration RSD	21.9 %	0.5 %	0.1 %	0.9 %	0.5 %	1.9 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LDR Check
Analysis started at: 9/24/2025 7:38:25 AM
Comment: LDR +/-10%
Rack Number: 0
Vial Numbers: 8

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0007 ppm	0.0347 ppm	6.1119 ppm	5.4859 [SIC 50]	10.5835 [SIC 50]	0.0002 ppm	0.0207 ppm
Concentration per Run	0.0010 ppm	0.0334 ppm	6.1100 ppm	5.3998 ppm	10.6269 ppm	0.0002 ppm	0.0150 ppm
Concentration per Run	0.0008 ppm	0.0314 ppm	6.1186 ppm	5.5347 ppm	10.5884 ppm	0.0003 ppm	0.0229 ppm
Concentration per Run	0.0002 ppm	0.0392 ppm	6.1070 ppm	5.5233 ppm	10.5351 ppm	0.0002 ppm	0.0242 ppm
Recovery Percentage			122.238 %	109.719 %	105.835 %		
Concentration RSD	66.5 %	11.7 %	0.1 %	1.4 %	0.4 %	9.3 %	23.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0004 ppm	-0.0025 ppm	0.0013 ppm	21.2835 [SIC 100]	0.0029 ppm	337.9004 ppm	5.3611 ppm
Concentration per Run	0.0004 ppm	-0.0019 ppm	0.0018 ppm	21.0598 ppm	0.0021 ppm	338.5216 ppm	5.3574 ppm
Concentration per Run	0.0003 ppm	-0.0028 ppm	0.0018 ppm	21.4012 ppm	0.0032 ppm	338.3203 ppm	5.3754 ppm
Concentration per Run	0.0005 ppm	-0.0029 ppm	0.0003 ppm	21.3896 ppm	0.0034 ppm	336.8593 ppm	5.3505 ppm
Recovery Percentage	0.000 %	0.000 %		106.418 %		112.633 %	
Concentration RSD	31.3 %	23.2 %	66.0 %	0.9 %	24.4 %	0.3 %	0.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0009 ppm	0.0008 ppm	5.6338 [SIC xx]	510.6877 [SIC 800]	11.0662 [SIC 100]	55.4060 ppm	0.0036 ppm
Concentration per Run	-0.0002 ppm	0.0011 ppm	5.5607 ppm	513.6105 ppm	10.9217 ppm	55.6576 ppm	0.0028 ppm
Concentration per Run	0.0037 ppm	0.0006 ppm	5.6537 ppm	509.1041 ppm	11.1408 ppm	55.6636 ppm	0.0051 ppm
Concentration per Run	-0.0008 ppm	0.0008 ppm	5.6871 ppm	509.3485 ppm	11.1361 ppm	54.8966 ppm	0.0029 ppm
Recovery Percentage		0.000 %	112.677 %	102.138 %	110.662 %	110.812 %	0.000 %
Concentration RSD	264.3 %	31.1 %	1.2 %	0.5 %	1.1 %	0.8 %	36.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0025 ppm	23.1287 [SIC 100]	-0.0001 ppm	0.0006 ppm	0.0100 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run	-0.0068 ppm	22.8024 ppm	0.0003 ppm	0.0006 ppm	0.0112 ppm	-0.0013 ppm	0.0003 ppm
Concentration per Run	-0.0015 ppm	23.2780 ppm	0.0010 ppm	0.0005 ppm	0.0100 ppm	-0.0015 ppm	0.0005 ppm
Concentration per Run	0.0010 ppm	23.3058 ppm	-0.0018 ppm	0.0006 ppm	0.0089 ppm	0.0024 ppm	0.0003 ppm
Recovery Percentage	0.000 %	115.644 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	161.7 %	1.2 %	1,121.6 %	12.5 %	11.4 %	1,581.7 %	37.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	22.1329 ppm	86.3816 %	102.2888 %	85.0176 %	83.8508 %	99.9283 %	87.3674 %
Concentration per Run	21.7626 ppm	87.7125 %	100.6487 %	84.5082 %	84.4804 %	98.8306 %	86.7784 %
Concentration per Run	22.2777 ppm	85.6032 %	102.8957 %	84.5861 %	83.5993 %	100.2822 %	86.9498 %
Concentration per Run	22.3585 ppm	85.8291 %	103.3221 %	85.9586 %	83.4725 %	100.6722 %	88.3739 %
Recovery Percentage	110.665 %						
Concentration RSD	1.5 %	1.3 %	1.4 %	1.0 %	0.7 %	1.0 %	1.0 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LLOQ .005
 Analysis started at: 9/24/2025 8:11:09 AM
 Comment: <Comment>
 Rack Number: 4
 Vial Numbers: 1

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0060 ppm	0.0042 ppm	0.0053 ppm	0.0050 ppm	0.0056 ppm	0.0055 ppm	0.0120 ppm
Concentration per Run	0.0062 ppm	0.0002 ppm	0.0054 ppm	0.0031 ppm	0.0057 ppm	0.0056 ppm	0.0082 ppm
Concentration per Run	0.0059 ppm	0.0054 ppm	0.0047 ppm	0.0047 ppm	0.0056 ppm	0.0054 ppm	0.0106 ppm
Concentration per Run	0.0059 ppm	0.0071 ppm	0.0058 ppm	0.0072 ppm	0.0056 ppm	0.0054 ppm	0.0172 ppm
Recovery Percentage	119.599 %	0.000 %	106.305 %	0.000 %	0.000 %	109.589 %	0.000 %
Concentration RSD	3.1 %	85.3 %	10.8 %	41.0 %	0.9 %	1.8 %	38.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0056 ppm	0.0059 ppm	0.0053 ppm	0.0054 ppm	0.0060 ppm	0.1118 ppm	0.0054 ppm
Concentration per Run	0.0055 ppm	0.0056 ppm	0.0056 ppm	0.0055 ppm	0.0047 ppm	0.0989 ppm	0.0076 ppm
Concentration per Run	0.0056 ppm	0.0052 ppm	0.0051 ppm	0.0058 ppm	0.0068 ppm	0.1456 ppm	0.0046 ppm
Concentration per Run	0.0056 ppm	0.0070 ppm	0.0054 ppm	0.0048 ppm	0.0064 ppm	0.0910 ppm	0.0041 ppm
Recovery Percentage	111.104 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	1.5 %	16.2 %	4.9 %	9.3 %	19.2 %	26.4 %	34.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0069 ppm	0.0056 ppm	0.0063 ppm	0.1161 ppm	0.0053 ppm	0.0063 ppm	0.0088 ppm
Concentration per Run	0.0061 ppm	0.0056 ppm	0.0061 ppm	0.1184 ppm	0.0056 ppm	0.0065 ppm	0.0100 ppm
Concentration per Run	0.0082 ppm	0.0056 ppm	0.0052 ppm	0.1139 ppm	0.0058 ppm	0.0057 ppm	0.0082 ppm
Concentration per Run	0.0065 ppm	0.0058 ppm	0.0076 ppm	0.1159 ppm	0.0045 ppm	0.0066 ppm	0.0083 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	16.2 %	2.0 %	19.7 %	2.0 %	13.3 %	7.8 %	11.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0042 ppm	0.0573 ppm	0.0045 ppm	0.0054 ppm	0.0055 ppm	0.0061 ppm	0.0052 ppm
Concentration per Run	0.0057 ppm	0.0563 ppm	0.0045 ppm	0.0056 ppm	0.0053 ppm	0.0063 ppm	0.0049 ppm
Concentration per Run	0.0017 ppm	0.0595 ppm	0.0039 ppm	0.0052 ppm	0.0056 ppm	0.0049 ppm	0.0054 ppm
Concentration per Run	0.0051 ppm	0.0562 ppm	0.0050 ppm	0.0053 ppm	0.0058 ppm	0.0071 ppm	0.0054 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	51.2 %	3.3 %	12.3 %	4.3 %	4.6 %	18.5 %	5.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0056 ppm	96.3777 %	101.8219 %	98.7176 %	96.5284 %	101.6294 %	98.9080 %
Concentration per Run	0.0057 ppm	97.5786 %	99.6155 %	98.5582 %	97.6575 %	101.3593 %	98.7160 %
Concentration per Run	0.0054 ppm	96.4638 %	102.8188 %	99.2664 %	96.9653 %	102.3091 %	99.5496 %
Concentration per Run	0.0058 ppm	95.0907 %	103.0314 %	98.3280 %	94.9623 %	101.2197 %	98.4585 %
Recovery Percentage	112.796 %						
Concentration RSD	4.4 %	1.3 %	1.9 %	0.5 %	1.5 %	0.6 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LLOQ .01
 Analysis started at: 9/24/2025 8:13:24 AM
 Comment: <Comment>
 Rack Number: 4
 Vial Numbers: 2

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0113 ppm	0.0064 ppm	0.0078 ppm	0.0089 ppm	0.0109 ppm	0.0109 ppm	0.0176 ppm
Concentration per Run	0.0107 ppm	0.0123 ppm	0.0079 ppm	0.0095 ppm	0.0110 ppm	0.0111 ppm	0.0207 ppm
Concentration per Run	0.0120 ppm	0.0016 ppm	0.0070 ppm	0.0086 ppm	0.0109 ppm	0.0107 ppm	0.0139 ppm
Concentration per Run	0.0112 ppm	0.0053 ppm	0.0086 ppm	0.0087 ppm	0.0110 ppm	0.0109 ppm	0.0184 ppm
Recovery Percentage	0.000 %	0.000 %	78.334 %	89.157 %	109.430 %	0.000 %	0.000 %
Concentration RSD	5.7 %	84.9 %	10.7 %	5.9 %	0.5 %	1.5 %	19.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0110 ppm	0.0110 ppm	0.0113 ppm	0.0110 ppm	0.0115 ppm	0.1339 ppm	0.0113 ppm
Concentration per Run	0.0111 ppm	0.0110 ppm	0.0108 ppm	0.0107 ppm	0.0110 ppm	0.1049 ppm	0.0118 ppm
Concentration per Run	0.0108 ppm	0.0103 ppm	0.0118 ppm	0.0107 ppm	0.0121 ppm	0.1264 ppm	0.0099 ppm
Concentration per Run	0.0112 ppm	0.0116 ppm	0.0114 ppm	0.0115 ppm	0.0113 ppm	0.1704 ppm	0.0122 ppm
Recovery Percentage	0.000 %	109.503 %	113.104 %	109.867 %	0.000 %	0.000 %	112.957 %
Concentration RSD	2.0 %	6.1 %	4.6 %	4.3 %	4.9 %	25.0 %	11.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0106 ppm	0.0110 ppm	0.0118 ppm	0.2295 ppm	0.0112 ppm	0.0126 ppm	0.0097 ppm
Concentration per Run	0.0112 ppm	0.0109 ppm	0.0118 ppm	0.2313 ppm	0.0115 ppm	0.0124 ppm	0.0101 ppm
Concentration per Run	0.0099 ppm	0.0113 ppm	0.0120 ppm	0.2228 ppm	0.0100 ppm	0.0130 ppm	0.0068 ppm
Concentration per Run	0.0107 ppm	0.0108 ppm	0.0116 ppm	0.2342 ppm	0.0120 ppm	0.0124 ppm	0.0122 ppm
Recovery Percentage	0.000 %	109.785 %	117.944 %	0.000 %	111.530 %	126.015 %	0.000 %
Concentration RSD	6.4 %	2.3 %	1.9 %	2.6 %	9.5 %	2.5 %	28.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0072 ppm	0.1175 ppm	0.0118 ppm	0.0108 ppm	0.0111 ppm	0.0124 ppm	0.0105 ppm
Concentration per Run	0.0082 ppm	0.1176 ppm	0.0117 ppm	0.0109 ppm	0.0116 ppm	0.0136 ppm	0.0103 ppm
Concentration per Run	0.0058 ppm	0.1167 ppm	0.0128 ppm	0.0108 ppm	0.0113 ppm	0.0130 ppm	0.0107 ppm
Concentration per Run	0.0074 ppm	0.1180 ppm	0.0110 ppm	0.0108 ppm	0.0105 ppm	0.0108 ppm	0.0105 ppm
Recovery Percentage	71.547 %	0.000 %	118.364 %	108.252 %	111.083 %	124.485 %	105.015 %
Concentration RSD	17.2 %	0.6 %	8.0 %	0.4 %	5.2 %	11.9 %	2.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0112 ppm	96.7554 %	102.7060 %	99.2672 %	96.8305 %	101.7504 %	99.2991 %
Concentration per Run	0.0111 ppm	96.3901 %	101.0180 %	98.5882 %	96.1444 %	99.4998 %	98.5035 %
Concentration per Run	0.0113 ppm	96.6977 %	103.3206 %	98.9355 %	96.6661 %	103.1218 %	99.0476 %
Concentration per Run	0.0112 ppm	97.1786 %	103.7793 %	100.2779 %	97.6809 %	102.6296 %	100.3462 %
Recovery Percentage	112.044 %						
Concentration RSD	0.8 %	0.4 %	1.4 %	0.9 %	0.8 %	1.9 %	1.0 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LLOQ .05
 Analysis started at: 9/24/2025 8:15:29 AM
 Comment: <Comment>
 Rack Number: 4
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0505 ppm	0.0483 ppm	0.0454 ppm	0.0487 ppm	0.0499 ppm	0.0501 ppm	0.0534 ppm
Concentration per Run	0.0512 ppm	0.0399 ppm	0.0446 ppm	0.0488 ppm	0.0496 ppm	0.0500 ppm	0.0594 ppm
Concentration per Run	0.0510 ppm	0.0493 ppm	0.0476 ppm	0.0478 ppm	0.0498 ppm	0.0500 ppm	0.0461 ppm
Concentration per Run	0.0494 ppm	0.0558 ppm	0.0438 ppm	0.0495 ppm	0.0502 ppm	0.0503 ppm	0.0547 ppm
Recovery Percentage	0.000 %	96.662 %	0.000 %	0.000 %	0.000 %	0.000 %	106.841 %
Concentration RSD	1.9 %	16.6 %	4.4 %	1.7 %	0.6 %	0.4 %	12.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0502 ppm	0.0511 ppm	0.0496 ppm	0.0506 ppm	0.0540 ppm	0.5408 ppm	0.0513 ppm
Concentration per Run	0.0501 ppm	0.0510 ppm	0.0505 ppm	0.0507 ppm	0.0537 ppm	0.5394 ppm	0.0518 ppm
Concentration per Run	0.0504 ppm	0.0513 ppm	0.0504 ppm	0.0510 ppm	0.0524 ppm	0.5562 ppm	0.0496 ppm
Concentration per Run	0.0502 ppm	0.0512 ppm	0.0479 ppm	0.0501 ppm	0.0561 ppm	0.5267 ppm	0.0524 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	108.098 %	21.632 %	0.000 %
Concentration RSD	0.3 %	0.3 %	3.0 %	0.9 %	3.5 %	2.7 %	2.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0508 ppm	0.0506 ppm	0.0496 ppm	1.0250 ppm	0.0521 ppm	0.0517 ppm	0.0524 ppm
Concentration per Run	0.0520 ppm	0.0504 ppm	0.0496 ppm	1.0209 ppm	0.0519 ppm	0.0509 ppm	0.0560 ppm
Concentration per Run	0.0488 ppm	0.0505 ppm	0.0500 ppm	1.0170 ppm	0.0530 ppm	0.0519 ppm	0.0511 ppm
Concentration per Run	0.0517 ppm	0.0509 ppm	0.0490 ppm	1.0372 ppm	0.0514 ppm	0.0525 ppm	0.0501 ppm
Recovery Percentage	101.610 %	0.000 %	0.000 %	102.504 %	0.000 %	0.000 %	104.806 %
Concentration RSD	3.5 %	0.5 %	1.0 %	1.0 %	1.6 %	1.6 %	6.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0494 ppm	0.5353 ppm	0.0513 ppm	0.0497 ppm	0.0497 ppm	0.0507 ppm	0.0497 ppm
Concentration per Run	0.0428 ppm	0.5300 ppm	0.0508 ppm	0.0497 ppm	0.0494 ppm	0.0489 ppm	0.0502 ppm
Concentration per Run	0.0520 ppm	0.5386 ppm	0.0514 ppm	0.0495 ppm	0.0501 ppm	0.0499 ppm	0.0498 ppm
Concentration per Run	0.0535 ppm	0.5372 ppm	0.0517 ppm	0.0499 ppm	0.0495 ppm	0.0532 ppm	0.0492 ppm
Recovery Percentage	0.000 %	107.054 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	11.7 %	0.9 %	0.9 %	0.3 %	0.7 %	4.4 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0508 ppm	100.1573 %	106.2677 %	103.1897 %	98.8378 %	103.5980 %	102.1804 %
Concentration per Run	0.0507 ppm	99.9442 %	106.7097 %	103.4786 %	99.0109 %	103.8982 %	102.3880 %
Concentration per Run	0.0507 ppm	99.9866 %	108.1227 %	103.3217 %	98.5934 %	104.3061 %	102.3820 %
Concentration per Run	0.0511 ppm	100.5412 %	103.9706 %	102.7688 %	98.9090 %	102.5898 %	101.7711 %
Recovery Percentage	101.630 %						
Concentration RSD	0.5 %	0.3 %	2.0 %	0.4 %	0.2 %	0.9 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LDR As 5
 Analysis started at: 9/24/2025 8:17:33 AM
 Comment: <Comment>
 Rack Number: 4
 Vial Numbers: 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0034 ppm	4.8936 ppm	-0.0011 ppm	0.0002 ppm	0.0001 ppm	0.0066 ppm
Concentration per Run	-0.0004 ppm	0.0008 ppm	4.9229 ppm	-0.0014 ppm	0.0002 ppm	0.0001 ppm	0.0018 ppm
Concentration per Run	0.0002 ppm	0.0010 ppm	4.8431 ppm	-0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0081 ppm
Concentration per Run	0.0000 ppm	-0.0120 ppm	4.9150 ppm	-0.0019 ppm	0.0001 ppm	0.0000 ppm	0.0099 ppm
Concentration RSD	548.1 %	218.9 %	0.9 %	77.1 %	29.1 %	98.5 %	64.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0006 ppm	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0337 ppm	-0.0021 ppm
Concentration per Run	0.0000 ppm	-0.0015 ppm	0.0001 ppm	-0.0001 ppm	-0.0002 ppm	0.0273 ppm	-0.0001 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0023 ppm	0.0636 ppm	-0.0039 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	-0.0003 ppm	0.0000 ppm	0.0013 ppm	0.0103 ppm	-0.0023 ppm
Concentration RSD	621.0 %	124.7 %	310.5 %	372.0 %	446.1 %	80.8 %	92.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0004 ppm	0.0002 ppm	0.0006 ppm	0.0044 ppm	0.0000 ppm	0.0017 ppm	-0.0054 ppm
Concentration per Run	0.0031 ppm	0.0001 ppm	0.0006 ppm	0.0120 ppm	0.0000 ppm	0.0013 ppm	-0.0067 ppm
Concentration per Run	-0.0015 ppm	0.0001 ppm	0.0009 ppm	0.0054 ppm	0.0005 ppm	0.0021 ppm	-0.0011 ppm
Concentration per Run	-0.0003 ppm	0.0002 ppm	0.0001 ppm	-0.0042 ppm	-0.0004 ppm	0.0017 ppm	-0.0083 ppm
Concentration RSD	539.2 %	29.6 %	71.1 %	185.5 %	1,832.8 %	24.6 %	70.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0001 ppm	-0.0011 ppm	0.0007 ppm	-0.0001 ppm	-0.0001 ppm	0.0015 ppm	0.0000 ppm
Concentration per Run	0.0031 ppm	-0.0002 ppm	0.0008 ppm	-0.0002 ppm	0.0001 ppm	0.0032 ppm	0.0003 ppm
Concentration per Run	-0.0033 ppm	-0.0023 ppm	0.0016 ppm	0.0000 ppm	0.0001 ppm	0.0016 ppm	-0.0005 ppm
Concentration per Run	0.0005 ppm	-0.0008 ppm	-0.0002 ppm	-0.0001 ppm	-0.0006 ppm	-0.0004 ppm	0.0003 ppm
Concentration RSD	3,804.1 %	97.5 %	128.5 %	90.5 %	294.5 %	122.6 %	992.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	99.5877 %	104.5795 %	101.2762 %	97.6957 %	102.3217 %	99.7803 %
Concentration per Run	0.0000 ppm	100.2335 %	104.8814 %	101.2732 %	98.3832 %	100.8415 %	99.9589 %
Concentration per Run	0.0001 ppm	99.2064 %	103.1527 %	102.0398 %	97.4004 %	102.0698 %	100.4236 %
Concentration per Run	0.0000 ppm	99.3233 %	105.7043 %	100.5157 %	97.3034 %	104.0539 %	98.9583 %
Concentration RSD	166.3 %	0.6 %	1.2 %	0.8 %	0.6 %	1.6 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LDR Ni 10
 Analysis started at: 9/24/2025 8:19:38 AM
 Comment: <Comment>
 Rack Number: 4
 Vial Numbers: 5

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	-0.0033 ppm	-0.0004 ppm	-0.0014 ppm	0.0003 ppm	0.0001 ppm	0.0070 ppm
Concentration per Run	-0.0002 ppm	-0.0005 ppm	-0.0016 ppm	-0.0029 ppm	0.0002 ppm	0.0001 ppm	0.0046 ppm
Concentration per Run	0.0005 ppm	0.0025 ppm	-0.0001 ppm	-0.0005 ppm	0.0003 ppm	0.0000 ppm	0.0108 ppm
Concentration per Run	0.0006 ppm	-0.0120 ppm	0.0007 ppm	-0.0008 ppm	0.0003 ppm	0.0001 ppm	0.0057 ppm
Concentration RSD	137.0 %	228.5 %	314.0 %	91.1 %	27.3 %	78.8 %	47.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0007 ppm	-0.0007 ppm	0.0000 ppm	0.0011 ppm	0.0326 ppm	-0.0009 ppm
Concentration per Run	-0.0002 ppm	-0.0011 ppm	0.0000 ppm	0.0002 ppm	0.0010 ppm	0.0550 ppm	-0.0028 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	-0.0014 ppm	-0.0002 ppm	0.0011 ppm	-0.0015 ppm	0.0000 ppm
Concentration per Run	-0.0001 ppm	-0.0013 ppm	-0.0008 ppm	-0.0001 ppm	0.0011 ppm	0.0442 ppm	0.0002 ppm
Concentration RSD	38.9 %	105.6 %	99.6 %	506.7 %	7.0 %	92.2 %	192.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0006 ppm	0.0001 ppm	0.0013 ppm	0.0100 ppm	10.5374 [SIC 100]	0.0001 ppm	-0.0051 ppm
Concentration per Run	0.0018 ppm	0.0002 ppm	0.0018 ppm	0.0092 ppm	10.5957 ppm	0.0003 ppm	-0.0008 ppm
Concentration per Run	-0.0017 ppm	0.0000 ppm	0.0012 ppm	0.0028 ppm	10.5093 ppm	0.0009 ppm	-0.0081 ppm
Concentration per Run	0.0017 ppm	0.0002 ppm	0.0010 ppm	0.0180 ppm	10.5073 ppm	-0.0010 ppm	-0.0064 ppm
Concentration RSD	327.4 %	129.1 %	32.9 %	76.7 %	0.5 %	1,508.0 %	74.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0009 ppm	-0.0009 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run	0.0042 ppm	0.0017 ppm	0.0015 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0006 ppm	-0.0030 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm	-0.0004 ppm
Concentration per Run	-0.0022 ppm	-0.0014 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm	-0.0002 ppm
Concentration RSD	364.8 %	269.5 %	65.6 %	105.4 %	155.3 %	280.6 %	114.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	105.0313 %	109.7322 %	106.3840 %	104.6126 %	110.2698 %	106.9162 %
Concentration per Run	0.0002 ppm	104.1556 %	110.1796 %	106.1508 %	103.4125 %	110.2173 %	106.6002 %
Concentration per Run	0.0002 ppm	105.1306 %	109.9297 %	107.0096 %	104.3661 %	110.6169 %	107.4900 %
Concentration per Run	0.0006 ppm	105.8078 %	109.0872 %	105.9916 %	106.0593 %	109.9752 %	106.6585 %
Concentration RSD	74.2 %	0.8 %	0.5 %	0.5 %	1.3 %	0.3 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LDR Zn 20
 Analysis started at: 9/24/2025 8:21:42 AM
 Comment: <Comment>
 Rack Number: 4
 Vial Numbers: 6

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	-0.0022 ppm	0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0001 ppm	0.0078 ppm
Concentration per Run	0.0005 ppm	-0.0035 ppm	0.0009 ppm	-0.0013 ppm	0.0007 ppm	0.0001 ppm	0.0078 ppm
Concentration per Run	0.0003 ppm	-0.0001 ppm	-0.0005 ppm	0.0005 ppm	0.0008 ppm	0.0001 ppm	0.0048 ppm
Concentration per Run	0.0007 ppm	-0.0031 ppm	0.0000 ppm	0.0007 ppm	0.0009 ppm	0.0001 ppm	0.0110 ppm
Concentration RSD	37.2 %	84.3 %	475.2 %	2,879.3 %	10.3 %	5.8 %	39.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0005 ppm	0.0000 ppm	0.0004 ppm	0.0014 ppm	0.0246 ppm	-0.0002 ppm
Concentration per Run	0.0002 ppm	-0.0005 ppm	0.0001 ppm	0.0004 ppm	0.0010 ppm	0.0299 ppm	-0.0013 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0012 ppm	0.0285 ppm	0.0017 ppm
Concentration per Run	0.0002 ppm	-0.0011 ppm	0.0000 ppm	0.0006 ppm	0.0020 ppm	0.0154 ppm	-0.0009 ppm
Concentration RSD	16.4 %	94.9 %	180.6 %	54.4 %	38.1 %	32.5 %	837.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0031 ppm	0.0003 ppm	0.0009 ppm	0.0139 ppm	0.0006 ppm	0.0008 ppm	-0.0007 ppm
Concentration per Run	0.0045 ppm	0.0003 ppm	0.0015 ppm	0.0061 ppm	0.0010 ppm	-0.0001 ppm	-0.0028 ppm
Concentration per Run	0.0045 ppm	0.0002 ppm	0.0003 ppm	0.0221 ppm	-0.0003 ppm	0.0016 ppm	0.0011 ppm
Concentration per Run	0.0004 ppm	0.0004 ppm	0.0010 ppm	0.0133 ppm	0.0012 ppm	0.0010 ppm	-0.0006 ppm
Concentration RSD	75.3 %	36.3 %	67.2 %	57.8 %	130.0 %	107.4 %	265.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0004 ppm	-0.0010 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	-0.0008 ppm	-0.0002 ppm
Concentration per Run	0.0006 ppm	-0.0013 ppm	-0.0013 ppm	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run	0.0005 ppm	-0.0033 ppm	0.0012 ppm	0.0001 ppm	0.0003 ppm	-0.0006 ppm	-0.0003 ppm
Concentration per Run	0.0000 ppm	0.0015 ppm	0.0011 ppm	0.0001 ppm	-0.0002 ppm	-0.0024 ppm	-0.0003 ppm
Concentration RSD	82.5 %	232.0 %	409.0 %	71.8 %	301.0 %	164.0 %	129.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	20.2973 ppm	102.6886 %	109.8505 %	105.2846 %	102.2446 %	108.6275 %	105.9815 %
Concentration per Run	20.3220 ppm	101.7875 %	109.3294 %	105.1017 %	101.4533 %	108.4635 %	105.9594 %
Concentration per Run	20.4735 ppm	102.2873 %	110.6242 %	104.7922 %	101.6241 %	109.0834 %	105.3648 %
Concentration per Run	20.0964 ppm	103.9912 %	109.5980 %	105.9601 %	103.6564 %	108.3357 %	106.6203 %
Concentration RSD	0.9 %	1.1 %	0.6 %	0.6 %	1.2 %	0.4 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LDR Cr 20
 Analysis started at: 9/24/2025 8:23:47 AM
 Comment: <Comment>
 Rack Number: 4
 Vial Numbers: 7

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	0.0005 ppm	-0.0014 ppm	-0.0012 ppm	0.0002 ppm	0.0001 ppm	-0.0390 ppm
Concentration per Run	0.0006 ppm	0.0046 ppm	-0.0018 ppm	-0.0015 ppm	0.0000 ppm	0.0000 ppm	-0.0420 ppm
Concentration per Run	-0.0001 ppm	-0.0034 ppm	-0.0008 ppm	-0.0007 ppm	0.0005 ppm	0.0001 ppm	-0.0346 ppm
Concentration per Run	0.0010 ppm	0.0004 ppm	-0.0016 ppm	-0.0015 ppm	0.0000 ppm	0.0001 ppm	-0.0405 ppm
Concentration RSD	121.8 %	742.8 %	40.0 %	36.1 %	159.9 %	36.7 %	9.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0009 ppm	20.2555 ppm	-0.0012 ppm	0.0008 ppm	0.0130 ppm	-0.0028 ppm
Concentration per Run	-0.0003 ppm	-0.0007 ppm	20.1850 ppm	-0.0011 ppm	0.0007 ppm	-0.0064 ppm	-0.0034 ppm
Concentration per Run	-0.0002 ppm	-0.0010 ppm	20.2121 ppm	-0.0011 ppm	0.0017 ppm	0.0252 ppm	-0.0034 ppm
Concentration per Run	-0.0002 ppm	-0.0010 ppm	20.3693 ppm	-0.0013 ppm	-0.0001 ppm	0.0203 ppm	-0.0015 ppm
Concentration RSD	32.1 %	17.7 %	0.5 %	8.7 %	118.0 %	130.5 %	38.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0019 ppm	-0.0006 ppm	0.0015 ppm	0.0044 ppm	0.0003 ppm	0.0012 ppm	-0.0357 ppm
Concentration per Run	-0.0010 ppm	-0.0006 ppm	0.0014 ppm	0.0054 ppm	0.0001 ppm	0.0009 ppm	-0.0279 ppm
Concentration per Run	-0.0033 ppm	-0.0007 ppm	0.0016 ppm	0.0069 ppm	0.0005 ppm	0.0017 ppm	-0.0397 ppm
Concentration per Run	-0.0014 ppm	-0.0006 ppm	0.0014 ppm	0.0008 ppm	0.0001 ppm	0.0009 ppm	-0.0395 ppm
Concentration RSD	64.5 %	7.6 %	8.7 %	72.6 %	86.8 %	40.1 %	18.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0011 ppm	0.0045 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0017 ppm	-0.0005 ppm
Concentration per Run	-0.0020 ppm	0.0012 ppm	0.0007 ppm	0.0001 ppm	-0.0003 ppm	-0.0018 ppm	-0.0006 ppm
Concentration per Run	0.0033 ppm	0.0068 ppm	0.0001 ppm	-0.0001 ppm	0.0006 ppm	-0.0014 ppm	0.0001 ppm
Concentration per Run	0.0021 ppm	0.0056 ppm	-0.0008 ppm	0.0000 ppm	0.0001 ppm	-0.0019 ppm	-0.0010 ppm
Concentration RSD	251.5 %	65.4 %	3,819.1 %	562.7 %	379.0 %	14.7 %	112.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0019 ppm	103.5578 %	108.7048 %	106.0351 %	101.4184 %	105.9817 %	105.2081 %
Concentration per Run	0.0024 ppm	103.3849 %	107.9414 %	106.1866 %	101.2940 %	106.5434 %	105.2848 %
Concentration per Run	0.0017 ppm	104.1673 %	108.7363 %	105.2963 %	101.7625 %	106.1226 %	104.5050 %
Concentration per Run	0.0017 ppm	103.1210 %	109.4366 %	106.6226 %	101.1988 %	105.2791 %	105.8345 %
Concentration RSD	20.5 %	0.5 %	0.7 %	0.6 %	0.3 %	0.6 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LDR Pb 50
 Analysis started at: 9/24/2025 8:25:52 AM
 Comment: <Comment>
 Rack Number: 4
 Vial Numbers: 8

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0047 ppm	-0.0008 ppm	-0.0015 ppm	0.0001 ppm	0.0001 ppm	0.0051 ppm
Concentration per Run	-0.0003 ppm	0.0015 ppm	-0.0012 ppm	-0.0008 ppm	0.0003 ppm	0.0001 ppm	0.0072 ppm
Concentration per Run	0.0002 ppm	-0.0059 ppm	-0.0003 ppm	-0.0017 ppm	0.0003 ppm	0.0001 ppm	0.0076 ppm
Concentration per Run	0.0005 ppm	-0.0097 ppm	-0.0008 ppm	-0.0021 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm
Concentration RSD	241.0 %	121.7 %	61.0 %	45.2 %	211.1 %	85.7 %	75.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0006 ppm	0.0011 ppm	0.0002 ppm	-0.0005 ppm	0.0147 ppm	-0.0018 ppm
Concentration per Run	0.0000 ppm	-0.0008 ppm	0.0018 ppm	0.0003 ppm	0.0010 ppm	0.0015 ppm	-0.0007 ppm
Concentration per Run	-0.0001 ppm	-0.0008 ppm	0.0007 ppm	-0.0001 ppm	-0.0013 ppm	0.0344 ppm	-0.0027 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0008 ppm	0.0004 ppm	-0.0013 ppm	0.0080 ppm	-0.0021 ppm
Concentration RSD	170.3 %	50.7 %	55.6 %	121.9 %	252.9 %	119.0 %	57.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0006 ppm	0.0001 ppm	0.0009 ppm	0.0117 ppm	-0.0004 ppm	51.2227 ppm	0.0022 ppm
Concentration per Run	-0.0026 ppm	0.0000 ppm	0.0004 ppm	0.0113 ppm	0.0001 ppm	51.6954 ppm	0.0060 ppm
Concentration per Run	0.0022 ppm	0.0002 ppm	0.0011 ppm	0.0211 ppm	-0.0016 ppm	51.0765 ppm	0.0008 ppm
Concentration per Run	-0.0014 ppm	0.0001 ppm	0.0012 ppm	0.0027 ppm	0.0003 ppm	50.8962 ppm	-0.0004 ppm
Concentration RSD	433.3 %	74.4 %	47.8 %	79.0 %	252.7 %	0.8 %	158.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0022 ppm	-0.0011 ppm	0.0015 ppm	-0.0001 ppm	0.0002 ppm	0.0003 ppm	-0.0003 ppm
Concentration per Run	-0.0022 ppm	-0.0018 ppm	0.0019 ppm	0.0000 ppm	0.0008 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run	-0.0056 ppm	-0.0028 ppm	0.0014 ppm	-0.0002 ppm	-0.0001 ppm	-0.0009 ppm	-0.0005 ppm
Concentration per Run	0.0013 ppm	0.0012 ppm	0.0011 ppm	-0.0002 ppm	-0.0001 ppm	0.0024 ppm	-0.0002 ppm
Concentration RSD	157.9 %	189.7 %	29.5 %	67.4 %	294.9 %	657.5 %	54.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0008 ppm	102.4004 %	108.6685 %	104.8968 %	101.3233 %	108.1252 %	105.1576 %
Concentration per Run	0.0009 ppm	103.3248 %	108.3846 %	104.5559 %	101.9952 %	106.5353 %	104.8467 %
Concentration per Run	0.0006 ppm	101.9082 %	109.3520 %	104.8657 %	101.0063 %	108.5740 %	105.1872 %
Concentration per Run	0.0010 ppm	101.9682 %	108.2689 %	105.2687 %	100.9683 %	109.2663 %	105.4389 %
Concentration RSD	27.0 %	0.8 %	0.5 %	0.3 %	0.6 %	1.3 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LDR K 300
 Analysis started at: 9/24/2025 8:27:56 AM
 Comment: <Comment>
 Rack Number: 4
 Vial Numbers: 9

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0094 ppm	-0.0004 ppm	-0.0035 ppm	0.0020 ppm	0.0002 ppm	0.0236 ppm
Concentration per Run	0.0007 ppm	0.0224 ppm	-0.0016 ppm	-0.0050 ppm	0.0019 ppm	0.0001 ppm	0.0210 ppm
Concentration per Run	-0.0006 ppm	0.0094 ppm	0.0022 ppm	-0.0028 ppm	0.0019 ppm	0.0002 ppm	0.0254 ppm
Concentration per Run	0.0003 ppm	-0.0037 ppm	-0.0017 ppm	-0.0027 ppm	0.0021 ppm	0.0002 ppm	0.0243 ppm
Concentration RSD	605.6 %	139.5 %	619.4 %	36.1 %	5.7 %	12.5 %	9.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0003 ppm	-0.0002 ppm	0.0010 ppm	0.0106 ppm	309.5691 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0004 ppm	0.0011 ppm	0.0081 ppm	307.5095 ppm	0.0023 ppm
Concentration per Run	0.0003 ppm	-0.0001 ppm	0.0001 ppm	0.0014 ppm	0.0132 ppm	310.0339 ppm	-0.0007 ppm
Concentration per Run	0.0003 ppm	-0.0005 ppm	-0.0011 ppm	0.0004 ppm	0.0107 ppm	311.1638 ppm	-0.0022 ppm
Concentration RSD	107.2 %	55.1 %	356.6 %	53.8 %	23.9 %	0.6 %	1,155.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0080 ppm	0.0006 ppm	0.0010 ppm	0.0156 ppm	0.0007 ppm	0.0036 ppm	0.0010 ppm
Concentration per Run	0.0080 ppm	0.0006 ppm	0.0007 ppm	0.0155 ppm	0.0015 ppm	0.0045 ppm	0.0024 ppm
Concentration per Run	0.0081 ppm	0.0005 ppm	0.0015 ppm	0.0170 ppm	0.0005 ppm	0.0037 ppm	0.0021 ppm
Concentration per Run	0.0078 ppm	0.0007 ppm	0.0007 ppm	0.0142 ppm	0.0002 ppm	0.0026 ppm	-0.0016 ppm
Concentration RSD	2.4 %	11.1 %	48.3 %	9.0 %	89.6 %	26.6 %	227.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0001 ppm	-0.0005 ppm	0.0001 ppm	0.0010 ppm	0.0006 ppm	0.0008 ppm	0.0004 ppm
Concentration per Run	0.0025 ppm	-0.0010 ppm	-0.0006 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run	-0.0031 ppm	-0.0029 ppm	0.0006 ppm	0.0011 ppm	0.0009 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run	0.0010 ppm	0.0026 ppm	0.0003 ppm	0.0009 ppm	0.0007 ppm	0.0018 ppm	0.0006 ppm
Concentration RSD	2,712.8 %	625.4 %	555.1 %	9.5 %	79.6 %	107.2 %	72.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0082 ppm	99.4290 %	105.6960 %	98.8948 %	95.9050 %	103.5200 %	99.7884 %
Concentration per Run	0.0078 ppm	100.2102 %	105.1127 %	99.0446 %	96.5016 %	101.6978 %	99.9140 %
Concentration per Run	0.0085 ppm	99.4408 %	106.2648 %	98.9122 %	95.8145 %	105.0737 %	99.9663 %
Concentration per Run	0.0085 ppm	98.6361 %	105.7103 %	98.7275 %	95.3987 %	103.7885 %	99.4851 %
Concentration RSD	4.8 %	0.8 %	0.5 %	0.2 %	0.6 %	1.6 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 8:35:10 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4999 ppm	0.4841 ppm	0.4826 ppm	0.4958 ppm	0.4948 ppm	0.5045 ppm	0.4972 ppm
Concentration per Run	0.4965 ppm	0.4825 ppm	0.4812 ppm	0.4918 ppm	0.4954 ppm	0.5018 ppm	0.4961 ppm
Concentration per Run	0.5040 ppm	0.4948 ppm	0.4814 ppm	0.5000 ppm	0.4960 ppm	0.5057 ppm	0.5004 ppm
Concentration per Run	0.4992 ppm	0.4749 ppm	0.4851 ppm	0.4955 ppm	0.4930 ppm	0.5061 ppm	0.4950 ppm
Recovery Percentage	99.987 %	96.812 %	96.512 %	99.152 %	98.967 %	100.909 %	99.435 %
Concentration RSD	0.8 %	2.1 %	0.5 %	0.8 %	0.3 %	0.5 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5081 ppm	0.5142 ppm	0.5043 ppm	0.5198 ppm	0.4934 ppm	5.1736 ppm	0.5045 ppm
Concentration per Run	0.5026 ppm	0.5098 ppm	0.4982 ppm	0.5151 ppm	0.4946 ppm	5.1853 ppm	0.5061 ppm
Concentration per Run	0.5133 ppm	0.5189 ppm	0.5082 ppm	0.5228 ppm	0.4941 ppm	5.1653 ppm	0.5049 ppm
Concentration per Run	0.5084 ppm	0.5138 ppm	0.5066 ppm	0.5215 ppm	0.4915 ppm	5.1702 ppm	0.5024 ppm
Recovery Percentage	101.617 %	102.833 %	100.862 %	103.958 %	98.680 %	103.472 %	100.895 %
Concentration RSD	1.1 %	0.9 %	1.1 %	0.8 %	0.3 %	0.2 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5031 ppm	0.5060 ppm	0.4941 ppm	10.0212 ppm	0.5210 ppm	0.5054 ppm	0.5124 ppm
Concentration per Run	0.4997 ppm	0.5029 ppm	0.4889 ppm	9.9578 ppm	0.5157 ppm	0.5052 ppm	0.5035 ppm
Concentration per Run	0.5073 ppm	0.5071 ppm	0.4997 ppm	10.0627 ppm	0.5252 ppm	0.5025 ppm	0.5240 ppm
Concentration per Run	0.5023 ppm	0.5079 ppm	0.4937 ppm	10.0431 ppm	0.5221 ppm	0.5085 ppm	0.5096 ppm
Recovery Percentage	100.626 %	101.190 %	98.820 %	100.212 %	104.200 %	101.085 %	102.474 %
Concentration RSD	0.8 %	0.5 %	1.1 %	0.6 %	0.9 %	0.6 %	2.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4905 ppm	5.4315 ppm	0.4973 ppm	0.4986 ppm	0.5025 ppm	0.5092 ppm	0.5090 ppm
Concentration per Run	0.4868 ppm	5.3626 ppm	0.4914 ppm	0.4995 ppm	0.4982 ppm	0.5073 ppm	0.5037 ppm
Concentration per Run	0.4923 ppm	5.4847 ppm	0.4994 ppm	0.5002 ppm	0.5064 ppm	0.5088 ppm	0.5135 ppm
Concentration per Run	0.4925 ppm	5.4472 ppm	0.5011 ppm	0.4962 ppm	0.5028 ppm	0.5114 ppm	0.5099 ppm
Recovery Percentage	98.107 %	103.457 %	99.459 %	99.727 %	100.499 %	101.832 %	101.806 %
Concentration RSD	0.7 %	1.2 %	1.0 %	0.4 %	0.8 %	0.4 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5107 ppm	99.9947 %	104.8559 %	102.3482 %	97.1833 %	102.2653 %	101.2917 %
Concentration per Run	0.5065 ppm	101.0824 %	104.9289 %	102.6714 %	98.2670 %	101.0727 %	101.6402 %
Concentration per Run	0.5155 ppm	98.7718 %	104.6905 %	103.2461 %	96.2242 %	103.2137 %	102.2722 %
Concentration per Run	0.5099 ppm	100.1298 %	104.9484 %	101.1272 %	97.0587 %	102.5095 %	99.9627 %
Recovery Percentage	102.130 %						
Concentration RSD	0.9 %	1.2 %	0.1 %	1.1 %	1.1 %	1.1 %	1.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 8:37:21 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0063 ppm	0.0004 ppm	0.0012 ppm	0.0000 ppm	0.0001 ppm	0.0089 ppm
Concentration per Run	0.0002 ppm	-0.0109 ppm	0.0029 ppm	0.0035 ppm	-0.0001 ppm	0.0000 ppm	0.0080 ppm
Concentration per Run	-0.0003 ppm	0.0046 ppm	-0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0076 ppm
Concentration per Run	0.0006 ppm	-0.0126 ppm	-0.0015 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0112 ppm
Recovery Percentage	2.480 %	-6.284 %	8.510 %	3.888 %	0.170 %	1.594 %	8.942 %
Concentration RSD	266.8 %	150.7 %	529.0 %	179.4 %	534.4 %	73.2 %	21.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0008 ppm	0.0000 ppm	-0.0002 ppm	0.0013 ppm	0.0596 ppm	-0.0010 ppm
Concentration per Run	-0.0002 ppm	-0.0007 ppm	0.0002 ppm	0.0002 ppm	0.0006 ppm	0.0728 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	-0.0010 ppm	-0.0005 ppm	0.0012 ppm	0.0685 ppm	-0.0008 ppm
Concentration per Run	-0.0001 ppm	-0.0011 ppm	0.0007 ppm	-0.0002 ppm	0.0020 ppm	0.0373 ppm	-0.0020 ppm
Recovery Percentage	-1.688 %	-4.114 %	-0.028 %	-1.998 %	2.565 %	2.382 %	-20.297 %
Concentration RSD	112.2 %	32.5 %	31,298.9 %	170.4 %	54.7 %	32.5 %	87.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0012 ppm	0.0026 ppm	-0.0001 ppm	0.0004 ppm	0.0019 ppm
Concentration per Run	-0.0023 ppm	0.0003 ppm	0.0012 ppm	0.0018 ppm	0.0003 ppm	0.0005 ppm	0.0035 ppm
Concentration per Run	0.0012 ppm	0.0004 ppm	0.0011 ppm	0.0042 ppm	0.0001 ppm	0.0001 ppm	0.0024 ppm
Concentration per Run	0.0010 ppm	0.0003 ppm	0.0012 ppm	0.0018 ppm	-0.0006 ppm	0.0005 ppm	-0.0003 ppm
Recovery Percentage	-0.018 %	3.315 %	2.337 %	0.131 %	-0.237 %	3.731 %	3.763 %
Concentration RSD	11,129.8 %	23.5 %	7.9 %	52.5 %	742.2 %	56.3 %	103.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0006 ppm	-0.0005 ppm	0.0006 ppm	0.0000 ppm	0.0003 ppm	-0.0010 ppm	-0.0001 ppm
Concentration per Run	0.0019 ppm	0.0008 ppm	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	-0.0018 ppm	-0.0001 ppm
Concentration per Run	0.0015 ppm	0.0001 ppm	0.0012 ppm	0.0000 ppm	0.0004 ppm	-0.0002 ppm	-0.0002 ppm
Concentration per Run	-0.0015 ppm	-0.0024 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	-0.0009 ppm	0.0001 ppm
Recovery Percentage	6.377 %	-0.104 %	1.229 %	-0.483 %	3.264 %	-5.010 %	-0.669 %
Concentration RSD	296.1 %	321.3 %	111.6 %	70.8 %	95.8 %	80.3 %	249.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0011 ppm	98.2786 %	100.8940 %	99.8337 %	97.7999 %	98.5860 %	99.8920 %
Concentration per Run	0.0011 ppm	98.6270 %	102.0464 %	99.6189 %	97.9960 %	99.7759 %	99.7036 %
Concentration per Run	0.0014 ppm	98.3727 %	99.4729 %	100.1169 %	98.0117 %	97.4662 %	100.2617 %
Concentration per Run	0.0008 ppm	97.8362 %	101.1627 %	99.7652 %	97.3921 %	98.5159 %	99.7109 %
Recovery Percentage	22.100 %						
Concentration RSD	26.8 %	0.4 %	1.3 %	0.3 %	0.4 %	1.2 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118041-1 WG2118041
 Analysis started at: 9/24/2025 8:49:02 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 1

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0006 ppm	0.0271 ppm	-0.0008 ppm	-0.0004 ppm	0.0006 ppm	0.0000 ppm	0.0457 ppm
Concentration per Run	-0.0007 ppm	0.0254 ppm	-0.0018 ppm	-0.0021 ppm	0.0005 ppm	0.0000 ppm	0.0452 ppm
Concentration per Run	-0.0005 ppm	0.0238 ppm	0.0012 ppm	0.0025 ppm	0.0005 ppm	0.0000 ppm	0.0478 ppm
Concentration per Run	-0.0005 ppm	0.0321 ppm	-0.0018 ppm	-0.0016 ppm	0.0008 ppm	0.0001 ppm	0.0442 ppm
Concentration RSD	19.7 %	16.2 %	223.8 %	599.9 %	25.7 %	43.6 %	4.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0011 ppm	0.0009 ppm	0.0811 ppm	0.0256 ppm	-0.0004 ppm
Concentration per Run	-0.0002 ppm	-0.0004 ppm	0.0009 ppm	0.0006 ppm	0.0837 ppm	0.0190 ppm	-0.0017 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0015 ppm	0.0011 ppm	0.0812 ppm	0.0230 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0008 ppm	0.0009 ppm	0.0011 ppm	0.0783 ppm	0.0348 ppm	0.0003 ppm
Concentration RSD	161.3 %	140.9 %	34.0 %	31.1 %	3.4 %	32.0 %	288.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0158 ppm	0.0014 ppm	0.0007 ppm	0.0114 ppm	-0.0012 ppm	0.0039 ppm	0.0002 ppm
Concentration per Run	0.0153 ppm	0.0017 ppm	0.0010 ppm	0.0035 ppm	-0.0018 ppm	0.0039 ppm	-0.0026 ppm
Concentration per Run	0.0187 ppm	0.0015 ppm	0.0010 ppm	0.0154 ppm	-0.0019 ppm	0.0041 ppm	-0.0010 ppm
Concentration per Run	0.0135 ppm	0.0010 ppm	0.0001 ppm	0.0152 ppm	0.0002 ppm	0.0037 ppm	0.0042 ppm
Concentration RSD	16.8 %	22.7 %	78.1 %	60.0 %	104.7 %	5.0 %	1,762.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0006 ppm	0.0399 ppm	0.0111 ppm	0.0001 ppm	0.0018 ppm	-0.0012 ppm	0.0000 ppm
Concentration per Run	0.0006 ppm	0.0399 ppm	0.0123 ppm	0.0000 ppm	0.0020 ppm	-0.0016 ppm	0.0005 ppm
Concentration per Run	0.0034 ppm	0.0418 ppm	0.0105 ppm	0.0000 ppm	0.0021 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run	-0.0059 ppm	0.0382 ppm	0.0106 ppm	0.0001 ppm	0.0012 ppm	-0.0009 ppm	-0.0005 ppm
Concentration RSD	761.3 %	4.4 %	8.9 %	154.0 %	25.8 %	37.4 %	2,459.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0020 ppm	96.1183 %	98.6641 %	96.7380 %	95.4388 %	97.2195 %	97.9309 %
Concentration per Run	0.0016 ppm	95.9560 %	98.3628 %	96.2572 %	95.3387 %	98.2152 %	97.5901 %
Concentration per Run	0.0022 ppm	96.1783 %	98.3191 %	96.8041 %	95.5441 %	96.7395 %	97.9525 %
Concentration per Run	0.0022 ppm	96.2207 %	99.3103 %	97.1527 %	95.4337 %	96.7039 %	98.2500 %
Concentration RSD	18.9 %	0.1 %	0.6 %	0.5 %	0.1 %	0.9 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118041-2d2 WG2118041
 Analysis started at: 9/24/2025 8:51:13 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 2

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0552 ppm	2.2883 ppm	0.1340 ppm	1.1159 ppm	2.2370 ppm	0.0576 ppm	11.7311 ppm
Concentration per Run	0.0539 ppm	2.2607 ppm	0.1330 ppm	1.0998 ppm	2.1993 ppm	0.0567 ppm	11.5756 ppm
Concentration per Run	0.0557 ppm	2.2978 ppm	0.1322 ppm	1.1179 ppm	2.2455 ppm	0.0579 ppm	11.7614 ppm
Concentration per Run	0.0558 ppm	2.3065 ppm	0.1368 ppm	1.1298 ppm	2.2662 ppm	0.0582 ppm	11.8564 ppm
Concentration RSD	2.0 %	1.1 %	1.8 %	1.4 %	1.5 %	1.4 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0588 ppm	0.5569 ppm	0.2236 ppm	0.2827 ppm	1.1508 ppm	11.7327 ppm	0.0013 ppm
Concentration per Run	0.0582 ppm	0.5521 ppm	0.2219 ppm	0.2806 ppm	1.1329 ppm	11.5346 ppm	0.0019 ppm
Concentration per Run	0.0592 ppm	0.5606 ppm	0.2251 ppm	0.2841 ppm	1.1590 ppm	11.7872 ppm	0.0004 ppm
Concentration per Run	0.0591 ppm	0.5581 ppm	0.2238 ppm	0.2835 ppm	1.1604 ppm	11.8764 ppm	0.0016 ppm
Concentration RSD	1.0 %	0.8 %	0.7 %	0.7 %	1.3 %	1.5 %	63.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	11.2989 ppm	0.5689 ppm	1.1236 [SIC xx]	11.5541 ppm	0.5700 ppm	0.5906 ppm	0.5774 ppm
Concentration per Run	11.1661 ppm	0.5640 ppm	1.1083 ppm	11.5247 ppm	0.5630 ppm	0.5870 ppm	0.5750 ppm
Concentration per Run	11.2701 ppm	0.5702 ppm	1.1293 ppm	11.5458 ppm	0.5731 ppm	0.5898 ppm	0.5754 ppm
Concentration per Run	11.4603 ppm	0.5724 ppm	1.1331 ppm	11.5917 ppm	0.5737 ppm	0.5950 ppm	0.5817 ppm
Concentration RSD	1.3 %	0.8 %	1.2 %	0.3 %	1.1 %	0.7 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1327 ppm	1.2909 ppm	1.1076 [SIC xx]	1.1094 ppm	1.1235 ppm	0.1351 ppm	0.5759 ppm
Concentration per Run	0.1354 ppm	1.2776 ppm	1.1038 ppm	1.0944 ppm	1.1090 ppm	0.1311 ppm	0.5707 ppm
Concentration per Run	0.1348 ppm	1.2877 ppm	1.1064 ppm	1.1117 ppm	1.1221 ppm	0.1365 ppm	0.5783 ppm
Concentration per Run	0.1278 ppm	1.3073 ppm	1.1125 ppm	1.1222 ppm	1.1395 ppm	0.1377 ppm	0.5785 ppm
Concentration RSD	3.2 %	1.2 %	0.4 %	1.3 %	1.4 %	2.6 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5644 ppm	97.0870 %	102.4795 %	99.0576 %	94.5597 %	100.9756 %	99.3234 %
Concentration per Run	0.5582 ppm	97.5742 %	103.8371 %	99.7395 %	95.1678 %	102.1871 %	99.9102 %
Concentration per Run	0.5672 ppm	96.4570 %	102.2940 %	99.0571 %	94.1105 %	101.2736 %	99.3260 %
Concentration per Run	0.5679 ppm	97.2298 %	101.3075 %	98.3762 %	94.4007 %	99.4662 %	98.7341 %
Concentration RSD	1.0 %	0.6 %	1.2 %	0.7 %	0.6 %	1.4 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2556299-02d2 WG2118041
 Analysis started at: 9/24/2025 8:53:18 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 8

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	39.9782 ppm	0.1057 ppm	0.0451 ppm	0.4653 ppm	0.0025 ppm	335.4901 ppm
Concentration per Run	0.0007 ppm	39.8933 ppm	0.1060 ppm	0.0441 ppm	0.4638 ppm	0.0025 ppm	335.4799 ppm
Concentration per Run	0.0020 ppm	39.9804 ppm	0.1072 ppm	0.0455 ppm	0.4668 ppm	0.0026 ppm	335.1501 ppm
Concentration per Run	0.0000 ppm	40.0610 ppm	0.1039 ppm	0.0457 ppm	0.4653 ppm	0.0025 ppm	335.8403 ppm
Concentration RSD	116.3 %	0.2 %	1.6 %	1.9 %	0.3 %	2.2 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0005 ppm	0.0279 ppm	0.1505 ppm	0.5949 ppm	79.7146 ppm	4.2524 ppm	0.0716 ppm
Concentration per Run	-0.0004 ppm	0.0272 ppm	0.1510 ppm	0.5931 ppm	79.8532 ppm	4.2621 ppm	0.0734 ppm
Concentration per Run	-0.0004 ppm	0.0291 ppm	0.1501 ppm	0.5941 ppm	79.7849 ppm	4.2432 ppm	0.0713 ppm
Concentration per Run	-0.0005 ppm	0.0276 ppm	0.1505 ppm	0.5973 ppm	79.5057 ppm	4.2517 ppm	0.0702 ppm
Concentration RSD	11.2 %	3.5 %	0.3 %	0.4 %	0.2 %	0.2 %	2.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	53.1396 ppm	0.9931 ppm	0.0890 ppm	1.3363 ppm	0.0651 ppm	0.1450 ppm	0.0048 ppm
Concentration per Run	52.9675 ppm	0.9934 ppm	0.0881 ppm	1.3389 ppm	0.0654 ppm	0.1453 ppm	0.0005 ppm
Concentration per Run	53.1110 ppm	0.9928 ppm	0.0891 ppm	1.3356 ppm	0.0650 ppm	0.1434 ppm	0.0085 ppm
Concentration per Run	53.3403 ppm	0.9930 ppm	0.0897 ppm	1.3345 ppm	0.0650 ppm	0.1463 ppm	0.0055 ppm
Concentration RSD	0.4 %	0.0 %	0.9 %	0.2 %	0.3 %	1.0 %	84.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0031 ppm	10.4932 [SIC 100]	0.0293 ppm	1.2540 ppm	1.9218 ppm	0.0007 ppm	0.1139 ppm
Concentration per Run	0.0083 ppm	10.5669 ppm	0.0304 ppm	1.2548 ppm	1.9107 ppm	0.0002 ppm	0.1138 ppm
Concentration per Run	-0.0002 ppm	10.4967 ppm	0.0286 ppm	1.2551 ppm	1.9275 ppm	0.0008 ppm	0.1132 ppm
Concentration per Run	0.0013 ppm	10.4162 ppm	0.0289 ppm	1.2522 ppm	1.9271 ppm	0.0012 ppm	0.1147 ppm
Concentration RSD	145.8 %	0.7 %	3.2 %	0.1 %	0.5 %	67.9 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.6802 ppm	99.5355 %	108.7411 %	95.2506 %	98.2107 %	108.4132 %	101.6672 %
Concentration per Run	1.6739 ppm	99.2905 %	108.3710 %	95.1264 %	97.8822 %	108.3298 %	101.6162 %
Concentration per Run	1.6807 ppm	99.5179 %	108.7657 %	95.9073 %	98.0831 %	108.2850 %	102.2039 %
Concentration per Run	1.6859 ppm	99.7980 %	109.0867 %	94.7179 %	98.6668 %	108.6247 %	101.1815 %
Concentration RSD	0.4 %	0.3 %	0.3 %	0.6 %	0.4 %	0.2 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2556299-04d2 WG2118041
 Analysis started at: 9/24/2025 8:55:22 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 9

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	35.0597 ppm	0.0222 ppm	0.0100 ppm	0.1543 ppm	0.0012 ppm	235.9669 ppm
Concentration per Run	0.0009 ppm	34.9256 ppm	0.0215 ppm	0.0116 ppm	0.1531 ppm	0.0012 ppm	234.7429 ppm
Concentration per Run	0.0010 ppm	35.3444 ppm	0.0230 ppm	0.0074 ppm	0.1559 ppm	0.0012 ppm	237.7243 ppm
Concentration per Run	0.0002 ppm	34.9090 ppm	0.0220 ppm	0.0109 ppm	0.1537 ppm	0.0012 ppm	235.4335 ppm
Concentration RSD	62.6 %	0.7 %	3.5 %	22.8 %	1.0 %	1.0 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0024 ppm	0.0068 ppm	0.1193 ppm	0.0491 ppm	78.6366 ppm	1.3779 ppm	0.0324 ppm
Concentration per Run	-0.0024 ppm	0.0070 ppm	0.1181 ppm	0.0493 ppm	78.0173 ppm	1.3560 ppm	0.0284 ppm
Concentration per Run	-0.0024 ppm	0.0067 ppm	0.1203 ppm	0.0490 ppm	79.5153 ppm	1.4212 ppm	0.0351 ppm
Concentration per Run	-0.0023 ppm	0.0066 ppm	0.1195 ppm	0.0491 ppm	78.3771 ppm	1.3566 ppm	0.0337 ppm
Concentration RSD	3.1 %	3.2 %	0.9 %	0.2 %	1.0 %	2.7 %	10.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	21.7800 ppm	0.3101 ppm	0.0074 ppm	0.2918 ppm	0.1666 ppm	0.1466 ppm	-0.0035 ppm
Concentration per Run	21.8178 ppm	0.3083 ppm	0.0067 ppm	0.3004 ppm	0.1664 ppm	0.1472 ppm	-0.0021 ppm
Concentration per Run	21.7541 ppm	0.3124 ppm	0.0073 ppm	0.2880 ppm	0.1662 ppm	0.1479 ppm	-0.0035 ppm
Concentration per Run	21.7682 ppm	0.3097 ppm	0.0081 ppm	0.2871 ppm	0.1673 ppm	0.1447 ppm	-0.0047 ppm
Concentration RSD	0.2 %	0.7 %	9.7 %	2.6 %	0.3 %	1.2 %	38.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0026 ppm	8.3153 ppm	0.0113 ppm	0.6760 ppm	0.8674 ppm	0.0019 ppm	0.1098 ppm
Concentration per Run	-0.0035 ppm	8.3570 ppm	0.0118 ppm	0.6719 ppm	0.8681 ppm	0.0026 ppm	0.1105 ppm
Concentration per Run	-0.0051 ppm	8.3001 ppm	0.0101 ppm	0.6838 ppm	0.8674 ppm	-0.0003 ppm	0.1089 ppm
Concentration per Run	0.0006 ppm	8.2889 ppm	0.0119 ppm	0.6723 ppm	0.8668 ppm	0.0034 ppm	0.1101 ppm
Concentration RSD	111.3 %	0.4 %	9.0 %	1.0 %	0.1 %	100.9 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1354 ppm	99.4213 %	108.4176 %	96.5042 %	96.7202 %	108.6058 %	100.8820 %
Concentration per Run	0.1355 ppm	98.7163 %	107.4733 %	96.2208 %	95.5065 %	110.8857 %	100.6090 %
Concentration per Run	0.1346 ppm	99.7294 %	108.1359 %	96.7288 %	97.0066 %	106.6616 %	100.9637 %
Concentration per Run	0.1361 ppm	99.8182 %	109.6435 %	96.5631 %	97.6476 %	108.2701 %	101.0732 %
Concentration RSD	0.6 %	0.6 %	1.0 %	0.3 %	1.1 %	2.0 %	0.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557050-08d2 WG2118041
 Analysis started at: 9/24/2025 8:57:27 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 10

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	0.5535 ppm	-0.0004 ppm	-0.0004 ppm	0.0141 ppm	0.0001 ppm	0.4904 ppm
Concentration per Run	0.0005 ppm	0.5592 ppm	-0.0012 ppm	0.0008 ppm	0.0141 ppm	0.0000 ppm	0.4914 ppm
Concentration per Run	0.0003 ppm	0.5558 ppm	0.0012 ppm	0.0008 ppm	0.0141 ppm	0.0001 ppm	0.4920 ppm
Concentration per Run	0.0006 ppm	0.5457 ppm	-0.0011 ppm	-0.0027 ppm	0.0141 ppm	0.0001 ppm	0.4879 ppm
Concentration RSD	39.3 %	1.3 %	371.4 %	529.6 %	0.3 %	35.3 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0011 ppm	0.0081 ppm	0.0010 ppm	1.7283 ppm	0.1129 ppm	0.0020 ppm
Concentration per Run	-0.0001 ppm	-0.0019 ppm	0.0084 ppm	0.0010 ppm	1.7250 ppm	0.1070 ppm	0.0044 ppm
Concentration per Run	-0.0002 ppm	-0.0007 ppm	0.0082 ppm	0.0007 ppm	1.7459 ppm	0.1245 ppm	0.0002 ppm
Concentration per Run	-0.0001 ppm	-0.0006 ppm	0.0077 ppm	0.0012 ppm	1.7140 ppm	0.1073 ppm	0.0015 ppm
Concentration RSD	32.3 %	64.4 %	4.7 %	27.8 %	0.9 %	8.9 %	105.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.1012 ppm	0.0178 ppm	0.0019 ppm	0.0625 ppm	0.0223 ppm	0.0099 ppm	-0.0038 ppm
Concentration per Run	0.1045 ppm	0.0177 ppm	0.0018 ppm	0.0678 ppm	0.0216 ppm	0.0108 ppm	-0.0072 ppm
Concentration per Run	0.0983 ppm	0.0180 ppm	0.0024 ppm	0.0608 ppm	0.0222 ppm	0.0095 ppm	-0.0046 ppm
Concentration per Run	0.1007 ppm	0.0178 ppm	0.0016 ppm	0.0588 ppm	0.0231 ppm	0.0094 ppm	0.0003 ppm
Concentration RSD	3.1 %	0.9 %	21.1 %	7.6 %	3.5 %	7.9 %	99.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0005 ppm	0.6724 ppm	0.0052 ppm	0.0055 ppm	0.7414 ppm	-0.0001 ppm	0.0068 ppm
Concentration per Run	-0.0027 ppm	0.6682 ppm	0.0054 ppm	0.0055 ppm	0.7323 ppm	0.0009 ppm	0.0068 ppm
Concentration per Run	0.0000 ppm	0.6943 ppm	0.0053 ppm	0.0055 ppm	0.7508 ppm	0.0014 ppm	0.0067 ppm
Concentration per Run	0.0013 ppm	0.6546 ppm	0.0048 ppm	0.0055 ppm	0.7411 ppm	-0.0025 ppm	0.0069 ppm
Concentration RSD	421.3 %	3.0 %	6.4 %	0.8 %	1.2 %	3,773.7 %	1.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0034 ppm	103.6852 %	108.3537 %	106.1070 %	102.0241 %	108.5392 %	106.6740 %
Concentration per Run	0.0034 ppm	103.9449 %	108.1045 %	106.6290 %	102.3884 %	108.6182 %	107.1455 %
Concentration per Run	0.0031 ppm	102.9294 %	107.9714 %	105.5731 %	100.9621 %	108.4349 %	106.2619 %
Concentration per Run	0.0036 ppm	104.1813 %	108.9852 %	106.1188 %	102.7217 %	108.5646 %	106.6146 %
Concentration RSD	7.2 %	0.6 %	0.5 %	0.5 %	0.9 %	0.1 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558498-02d2 WG2118041
 Analysis started at: 9/24/2025 8:59:32 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0016 ppm	104.8937 ppm	0.1017 ppm	0.0059 ppm	0.6195 ppm	0.0056 ppm	7.8251 ppm
Concentration per Run	0.0020 ppm	105.0989 ppm	0.1012 ppm	0.0044 ppm	0.6233 ppm	0.0056 ppm	7.8255 ppm
Concentration per Run	0.0008 ppm	104.9458 ppm	0.0995 ppm	0.0065 ppm	0.6176 ppm	0.0056 ppm	7.8287 ppm
Concentration per Run	0.0019 ppm	104.6363 ppm	0.1042 ppm	0.0069 ppm	0.6176 ppm	0.0055 ppm	7.8211 ppm
Concentration RSD	41.2 %	0.2 %	2.3 %	22.5 %	0.5 %	0.9 %	0.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0024 ppm	0.0843 ppm	0.1236 ppm	0.0972 ppm	201.9984 ppm	3.7274 ppm	0.1961 ppm
Concentration per Run	0.0021 ppm	0.0827 ppm	0.1232 ppm	0.0977 ppm	203.3921 ppm	3.7797 ppm	0.1978 ppm
Concentration per Run	0.0026 ppm	0.0850 ppm	0.1242 ppm	0.0968 ppm	201.4866 ppm	3.6872 ppm	0.1948 ppm
Concentration per Run	0.0024 ppm	0.0852 ppm	0.1233 ppm	0.0970 ppm	201.1166 ppm	3.7154 ppm	0.1957 ppm
Concentration RSD	10.4 %	1.6 %	0.4 %	0.5 %	0.6 %	1.3 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	24.5975 ppm	12.4005 ppm	0.0027 ppm	0.1360 ppm	0.1383 ppm	0.3093 ppm	-0.0018 ppm
Concentration per Run	24.3935 ppm	12.4356 ppm	0.0022 ppm	0.1378 ppm	0.1366 ppm	0.3091 ppm	-0.0034 ppm
Concentration per Run	24.7286 ppm	12.3890 ppm	0.0032 ppm	0.1318 ppm	0.1400 ppm	0.3108 ppm	-0.0011 ppm
Concentration per Run	24.6703 ppm	12.3769 ppm	0.0027 ppm	0.1384 ppm	0.1383 ppm	0.3080 ppm	-0.0008 ppm
Concentration RSD	0.7 %	0.2 %	18.1 %	2.7 %	1.2 %	0.5 %	80.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0026 ppm	3.5120 ppm	0.0116 ppm	0.0286 ppm	0.3523 ppm	-0.0029 ppm	0.1599 ppm
Concentration per Run	0.0076 ppm	3.4652 ppm	0.0136 ppm	0.0289 ppm	0.3476 ppm	-0.0038 ppm	0.1583 ppm
Concentration per Run	0.0027 ppm	3.5749 ppm	0.0098 ppm	0.0284 ppm	0.3558 ppm	-0.0046 ppm	0.1610 ppm
Concentration per Run	-0.0026 ppm	3.4959 ppm	0.0114 ppm	0.0284 ppm	0.3535 ppm	-0.0005 ppm	0.1604 ppm
Concentration RSD	197.7 %	1.6 %	16.2 %	0.9 %	1.2 %	74.1 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5769 ppm	102.8859 %	108.7923 %	100.6500 %	105.9965 %	112.3415 %	110.3929 %
Concentration per Run	0.5678 ppm	102.8169 %	109.7588 %	101.1054 %	106.2197 %	113.6352 %	110.7851 %
Concentration per Run	0.5836 ppm	103.1164 %	107.9124 %	100.5508 %	106.0765 %	112.0585 %	110.2793 %
Concentration per Run	0.5793 ppm	102.7245 %	108.7058 %	100.2938 %	105.6933 %	111.3308 %	110.1144 %
Concentration RSD	1.4 %	0.2 %	0.9 %	0.4 %	0.3 %	1.0 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118041-3d2 WG2118041
 Analysis started at: 9/24/2025 9:01:36 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0559 ppm	99.9786 ppm	0.1885 ppm	0.8807 ppm	2.7296 ppm	0.0604 ppm	16.6174 ppm
Concentration per Run	0.0554 ppm	99.2201 ppm	0.1873 ppm	0.8750 ppm	2.7056 ppm	0.0598 ppm	16.4957 ppm
Concentration per Run	0.0554 ppm	100.2306 ppm	0.1903 ppm	0.8814 ppm	2.7384 ppm	0.0606 ppm	16.6562 ppm
Concentration per Run	0.0569 ppm	100.4851 ppm	0.1878 ppm	0.8856 ppm	2.7450 ppm	0.0607 ppm	16.7004 ppm
Concentration RSD	1.5 %	0.7 %	0.9 %	0.6 %	0.8 %	0.8 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0571 ppm	0.6030 ppm	0.3203 ppm	0.3509 ppm	162.5602 ppm	13.6362 ppm	0.1940 ppm
Concentration per Run	0.0569 ppm	0.6028 ppm	0.3202 ppm	0.3517 ppm	160.9133 ppm	13.4970 ppm	0.1941 ppm
Concentration per Run	0.0571 ppm	0.6005 ppm	0.3185 ppm	0.3495 ppm	163.1902 ppm	13.6834 ppm	0.1947 ppm
Concentration per Run	0.0572 ppm	0.6057 ppm	0.3222 ppm	0.3516 ppm	163.5771 ppm	13.7283 ppm	0.1932 ppm
Concentration RSD	0.3 %	0.4 %	0.6 %	0.4 %	0.9 %	0.9 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	34.5453 ppm	7.5140 ppm	1.0448 [SIC xx]	11.2648 ppm	0.6611 ppm	0.8268 ppm	0.1891 ppm
Concentration per Run	34.3690 ppm	7.4475 ppm	1.0431 ppm	11.2148 ppm	0.6576 ppm	0.8296 ppm	0.1928 ppm
Concentration per Run	34.6249 ppm	7.5420 ppm	1.0454 ppm	11.2946 ppm	0.6627 ppm	0.8247 ppm	0.1921 ppm
Concentration per Run	34.6419 ppm	7.5525 ppm	1.0460 ppm	11.2850 ppm	0.6630 ppm	0.8261 ppm	0.1824 ppm
Concentration RSD	0.4 %	0.8 %	0.1 %	0.4 %	0.5 %	0.3 %	3.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1174 ppm	7.9177 ppm	0.9396 ppm	1.0918 ppm	0.8210 ppm	0.1260 ppm	0.6892 ppm
Concentration per Run	0.1176 ppm	7.8738 ppm	0.9336 ppm	1.0861 ppm	0.8150 ppm	0.1276 ppm	0.6871 ppm
Concentration per Run	0.1179 ppm	7.9330 ppm	0.9361 ppm	1.0905 ppm	0.8218 ppm	0.1255 ppm	0.6888 ppm
Concentration per Run	0.1169 ppm	7.9463 ppm	0.9489 ppm	1.0987 ppm	0.8261 ppm	0.1250 ppm	0.6915 ppm
Concentration RSD	0.4 %	0.5 %	0.9 %	0.6 %	0.7 %	1.1 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0690 ppm	100.3195 %	106.6868 %	97.1885 %	101.2688 %	109.2024 %	104.9221 %
Concentration per Run	1.0640 ppm	101.3981 %	107.4727 %	97.7918 %	101.7383 %	109.0262 %	105.5746 %
Concentration per Run	1.0710 ppm	99.4242 %	105.8812 %	97.2837 %	100.2561 %	109.3534 %	104.9590 %
Concentration per Run	1.0720 ppm	100.1361 %	106.7066 %	96.4901 %	101.8120 %	109.2276 %	104.2328 %
Concentration RSD	0.4 %	1.0 %	0.7 %	0.7 %	0.9 %	0.2 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118041-4d WG2118041
 Analysis started at: 9/24/2025 9:03:41 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 5

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0024 ppm	105.9758 ppm	0.1068 ppm	0.0075 ppm	0.9576 ppm	0.0058 ppm	7.0868 ppm
Concentration per Run	0.0029 ppm	106.7151 ppm	0.1060 ppm	0.0094 ppm	0.9639 ppm	0.0058 ppm	7.1403 ppm
Concentration per Run	0.0023 ppm	105.5193 ppm	0.1072 ppm	0.0055 ppm	0.9562 ppm	0.0058 ppm	7.0503 ppm
Concentration per Run	0.0019 ppm	105.6930 ppm	0.1070 ppm	0.0076 ppm	0.9526 ppm	0.0058 ppm	7.0698 ppm
Concentration RSD	20.5 %	0.6 %	0.6 %	25.5 %	0.6 %	0.1 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0029 ppm	0.0832 ppm	0.1232 ppm	0.1106 ppm	203.2682 ppm	3.6474 ppm	0.1980 ppm
Concentration per Run	0.0027 ppm	0.0830 ppm	0.1232 ppm	0.1107 ppm	204.5696 ppm	3.7044 ppm	0.1987 ppm
Concentration per Run	0.0031 ppm	0.0836 ppm	0.1233 ppm	0.1105 ppm	203.2717 ppm	3.6390 ppm	0.1985 ppm
Concentration per Run	0.0030 ppm	0.0830 ppm	0.1230 ppm	0.1106 ppm	201.9633 ppm	3.5988 ppm	0.1966 ppm
Concentration RSD	6.5 %	0.4 %	0.1 %	0.1 %	0.6 %	1.5 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	23.6580 ppm	14.9512 ppm	0.0036 ppm	0.1187 ppm	0.1576 ppm	0.3260 ppm	-0.0028 ppm
Concentration per Run	23.5432 ppm	15.0316 ppm	0.0040 ppm	0.1169 ppm	0.1574 ppm	0.3271 ppm	0.0011 ppm
Concentration per Run	23.6605 ppm	14.9082 ppm	0.0034 ppm	0.1172 ppm	0.1578 ppm	0.3271 ppm	-0.0024 ppm
Concentration per Run	23.7701 ppm	14.9138 ppm	0.0032 ppm	0.1220 ppm	0.1578 ppm	0.3237 ppm	-0.0072 ppm
Concentration RSD	0.5 %	0.5 %	11.3 %	2.4 %	0.2 %	0.6 %	147.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0025 ppm	2.8729 ppm	0.0127 ppm	0.0278 ppm	0.3283 ppm	-0.0030 ppm	0.1618 ppm
Concentration per Run	0.0065 ppm	2.8667 ppm	0.0116 ppm	0.0280 ppm	0.3263 ppm	-0.0027 ppm	0.1612 ppm
Concentration per Run	0.0009 ppm	2.8768 ppm	0.0136 ppm	0.0278 ppm	0.3285 ppm	-0.0016 ppm	0.1619 ppm
Concentration per Run	0.0001 ppm	2.8751 ppm	0.0127 ppm	0.0278 ppm	0.3300 ppm	-0.0047 ppm	0.1623 ppm
Concentration RSD	137.6 %	0.2 %	7.9 %	0.4 %	0.6 %	52.6 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5973 ppm	99.2305 %	106.5586 %	97.3954 %	101.8421 %	110.8013 %	106.4825 %
Concentration per Run	0.5947 ppm	99.5082 %	106.0183 %	96.9028 %	101.7527 %	111.0238 %	105.9367 %
Concentration per Run	0.5993 ppm	99.8703 %	106.9746 %	97.0670 %	102.3671 %	111.1369 %	106.1762 %
Concentration per Run	0.5979 ppm	98.3131 %	106.6828 %	98.2163 %	101.4064 %	110.2432 %	107.3347 %
Concentration RSD	0.4 %	0.8 %	0.5 %	0.7 %	0.5 %	0.4 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118041-5d2 WG2118041
 Analysis started at: 9/24/2025 9:05:46 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 6

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0494 ppm	106.4359 ppm	0.2191 ppm	0.9768 ppm	2.5081 ppm	0.0545 ppm	17.7435 ppm
Concentration per Run	0.0493 ppm	106.0516 ppm	0.2155 ppm	0.9739 ppm	2.5219 ppm	0.0546 ppm	17.6963 ppm
Concentration per Run	0.0496 ppm	106.1701 ppm	0.2200 ppm	0.9801 ppm	2.4882 ppm	0.0543 ppm	17.6736 ppm
Concentration per Run	0.0492 ppm	107.0859 ppm	0.2218 ppm	0.9763 ppm	2.5143 ppm	0.0544 ppm	17.8607 ppm
Concentration RSD	0.4 %	0.5 %	1.5 %	0.3 %	0.7 %	0.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0528 ppm	0.5575 ppm	0.3132 ppm	0.3406 ppm	202.5764 ppm	13.9366 ppm	0.1965 ppm
Concentration per Run	0.0528 ppm	0.5567 ppm	0.3131 ppm	0.3406 ppm	202.8262 ppm	14.0072 ppm	0.1967 ppm
Concentration per Run	0.0530 ppm	0.5577 ppm	0.3135 ppm	0.3416 ppm	201.6741 ppm	13.8444 ppm	0.1950 ppm
Concentration per Run	0.0525 ppm	0.5581 ppm	0.3129 ppm	0.3397 ppm	203.2289 ppm	13.9582 ppm	0.1977 ppm
Concentration RSD	0.5 %	0.1 %	0.1 %	0.3 %	0.4 %	0.6 %	0.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	34.4307 ppm	12.7536 ppm	0.9833 ppm	10.2863 ppm	0.6165 ppm	0.8208 ppm	0.4824 ppm
Concentration per Run	34.3303 ppm	12.6876 ppm	0.9788 ppm	10.1954 ppm	0.6162 ppm	0.8210 ppm	0.4829 ppm
Concentration per Run	34.4941 ppm	12.7326 ppm	0.9852 ppm	10.3001 ppm	0.6186 ppm	0.8211 ppm	0.4802 ppm
Concentration per Run	34.4677 ppm	12.8406 ppm	0.9860 ppm	10.3636 ppm	0.6147 ppm	0.8204 ppm	0.4841 ppm
Concentration RSD	0.3 %	0.6 %	0.4 %	0.8 %	0.3 %	0.0 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1184 ppm	4.2657 ppm	0.9802 ppm	0.9994 ppm	1.3432 ppm	0.1138 ppm	0.6535 ppm
Concentration per Run	0.1202 ppm	4.2503 ppm	0.9786 ppm	1.0025 ppm	1.3425 ppm	0.1133 ppm	0.6520 ppm
Concentration per Run	0.1161 ppm	4.2843 ppm	0.9819 ppm	0.9912 ppm	1.3433 ppm	0.1107 ppm	0.6559 ppm
Concentration per Run	0.1190 ppm	4.2626 ppm	0.9800 ppm	1.0044 ppm	1.3437 ppm	0.1175 ppm	0.6527 ppm
Concentration RSD	1.8 %	0.4 %	0.2 %	0.7 %	0.0 %	3.0 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0538 ppm	95.3932 %	100.2769 %	92.4459 %	97.9657 %	103.3810 %	101.2791 %
Concentration per Run	1.0553 ppm	95.7524 %	101.0948 %	92.2603 %	98.4845 %	103.5626 %	101.1271 %
Concentration per Run	1.0551 ppm	95.3822 %	100.4685 %	92.6911 %	97.7328 %	104.2375 %	101.4220 %
Concentration per Run	1.0509 ppm	95.0449 %	99.2673 %	92.3865 %	97.6798 %	102.3427 %	101.2881 %
Concentration RSD	0.2 %	0.4 %	0.9 %	0.2 %	0.5 %	0.9 %	0.1 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118041-6d10 WG2118041
 Analysis started at: 9/24/2025 9:07:51 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 7

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	21.2575 ppm	0.0213 ppm	0.0031 ppm	0.1240 ppm	0.0012 ppm	1.5619 ppm
Concentration per Run	0.0005 ppm	21.2809 ppm	0.0242 ppm	0.0053 ppm	0.1243 ppm	0.0011 ppm	1.5641 ppm
Concentration per Run	0.0001 ppm	21.3549 ppm	0.0206 ppm	0.0018 ppm	0.1241 ppm	0.0012 ppm	1.5738 ppm
Concentration per Run	0.0014 ppm	21.1368 ppm	0.0191 ppm	0.0021 ppm	0.1237 ppm	0.0012 ppm	1.5477 ppm
Concentration RSD	92.7 %	0.5 %	12.3 %	63.2 %	0.2 %	3.8 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0004 ppm	0.0174 ppm	0.0244 ppm	0.0188 ppm	41.7365 ppm	0.7689 ppm	0.0408 ppm
Concentration per Run	0.0004 ppm	0.0176 ppm	0.0240 ppm	0.0191 ppm	41.7870 ppm	0.7448 ppm	0.0437 ppm
Concentration per Run	0.0004 ppm	0.0177 ppm	0.0244 ppm	0.0188 ppm	41.6913 ppm	0.7866 ppm	0.0396 ppm
Concentration per Run	0.0005 ppm	0.0168 ppm	0.0247 ppm	0.0185 ppm	41.7314 ppm	0.7754 ppm	0.0392 ppm
Concentration RSD	5.9 %	2.9 %	1.5 %	1.4 %	0.1 %	2.8 %	6.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.1166 ppm	2.5203 ppm	0.0014 ppm	0.0336 ppm	0.0283 ppm	0.0624 ppm	-0.0033 ppm
Concentration per Run	5.0898 ppm	2.5283 ppm	0.0013 ppm	0.0352 ppm	0.0287 ppm	0.0646 ppm	-0.0015 ppm
Concentration per Run	5.1466 ppm	2.5230 ppm	0.0014 ppm	0.0321 ppm	0.0276 ppm	0.0611 ppm	-0.0016 ppm
Concentration per Run	5.1135 ppm	2.5096 ppm	0.0014 ppm	0.0335 ppm	0.0286 ppm	0.0615 ppm	-0.0067 ppm
Concentration RSD	0.6 %	0.4 %	2.1 %	4.6 %	2.2 %	3.1 %	90.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	0.6970 ppm	0.0036 ppm	0.0055 ppm	0.0691 ppm	-0.0013 ppm	0.0310 ppm
Concentration per Run	0.0014 ppm	0.6995 ppm	0.0049 ppm	0.0054 ppm	0.0674 ppm	-0.0012 ppm	0.0313 ppm
Concentration per Run	-0.0032 ppm	0.6942 ppm	0.0027 ppm	0.0056 ppm	0.0696 ppm	-0.0009 ppm	0.0307 ppm
Concentration per Run	0.0079 ppm	0.6973 ppm	0.0031 ppm	0.0054 ppm	0.0703 ppm	-0.0019 ppm	0.0311 ppm
Concentration RSD	272.5 %	0.4 %	33.1 %	2.0 %	2.2 %	40.5 %	1.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1174 ppm	96.0607 %	103.6202 %	97.2966 %	94.9151 %	104.6780 %	98.4919 %
Concentration per Run	0.1168 ppm	96.3557 %	102.7184 %	97.6896 %	95.4534 %	105.0033 %	98.6272 %
Concentration per Run	0.1172 ppm	95.9066 %	104.0966 %	97.7037 %	94.7376 %	104.7031 %	99.0318 %
Concentration per Run	0.1180 ppm	95.9197 %	104.0455 %	96.4965 %	94.5542 %	104.3275 %	97.8167 %
Concentration RSD	0.5 %	0.3 %	0.8 %	0.7 %	0.5 %	0.3 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 9:09:56 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5063 ppm	0.4745 ppm	0.4881 ppm	0.4933 ppm	0.5003 ppm	0.5114 ppm	0.5065 ppm
Concentration per Run	0.5026 ppm	0.4718 ppm	0.4863 ppm	0.4893 ppm	0.5012 ppm	0.5134 ppm	0.5014 ppm
Concentration per Run	0.5054 ppm	0.4683 ppm	0.4868 ppm	0.4954 ppm	0.5017 ppm	0.5095 ppm	0.5067 ppm
Concentration per Run	0.5110 ppm	0.4833 ppm	0.4913 ppm	0.4953 ppm	0.4979 ppm	0.5115 ppm	0.5114 ppm
Recovery Percentage	101.265 %	94.891 %	97.627 %	98.666 %	100.058 %	102.288 %	101.304 %
Concentration RSD	0.8 %	1.6 %	0.6 %	0.7 %	0.4 %	0.4 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5090 ppm	0.5158 ppm	0.5067 ppm	0.5213 ppm	0.5055 ppm	5.1939 ppm	0.5208 ppm
Concentration per Run	0.5049 ppm	0.5099 ppm	0.4997 ppm	0.5154 ppm	0.5093 ppm	5.2119 ppm	0.5169 ppm
Concentration per Run	0.5087 ppm	0.5181 ppm	0.5072 ppm	0.5212 ppm	0.5052 ppm	5.1861 ppm	0.5225 ppm
Concentration per Run	0.5134 ppm	0.5194 ppm	0.5134 ppm	0.5274 ppm	0.5021 ppm	5.1836 ppm	0.5232 ppm
Recovery Percentage	101.804 %	103.158 %	101.345 %	104.266 %	101.107 %	103.878 %	104.167 %
Concentration RSD	0.8 %	1.0 %	1.4 %	1.2 %	0.7 %	0.3 %	0.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5066 ppm	0.5108 ppm	0.4985 ppm	10.2753 ppm	0.5194 ppm	0.5085 ppm	0.5198 ppm
Concentration per Run	0.5029 ppm	0.5104 ppm	0.4951 ppm	10.3021 ppm	0.5142 ppm	0.5092 ppm	0.5166 ppm
Concentration per Run	0.5056 ppm	0.5076 ppm	0.4989 ppm	10.2080 ppm	0.5209 ppm	0.5059 ppm	0.5120 ppm
Concentration per Run	0.5114 ppm	0.5143 ppm	0.5015 ppm	10.3159 ppm	0.5229 ppm	0.5105 ppm	0.5308 ppm
Recovery Percentage	101.328 %	102.152 %	99.697 %	102.753 %	103.872 %	101.706 %	103.952 %
Concentration RSD	0.9 %	0.7 %	0.6 %	0.6 %	0.9 %	0.5 %	1.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4941 ppm	5.4276 ppm	0.5032 ppm	0.5012 ppm	0.5093 ppm	0.5114 ppm	0.5117 ppm
Concentration per Run	0.4981 ppm	5.3876 ppm	0.4977 ppm	0.5025 ppm	0.5071 ppm	0.5162 ppm	0.5078 ppm
Concentration per Run	0.4921 ppm	5.4178 ppm	0.5055 ppm	0.5024 ppm	0.5068 ppm	0.5064 ppm	0.5104 ppm
Concentration per Run	0.4920 ppm	5.4774 ppm	0.5064 ppm	0.4988 ppm	0.5142 ppm	0.5115 ppm	0.5168 ppm
Recovery Percentage	98.814 %	103.383 %	100.639 %	100.242 %	101.870 %	102.273 %	102.335 %
Concentration RSD	0.7 %	0.8 %	1.0 %	0.4 %	0.8 %	1.0 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5110 ppm	100.2221 %	100.5173 %	100.3951 %	98.0039 %	98.1971 %	99.6232 %
Concentration per Run	0.5041 ppm	100.5040 %	101.6213 %	100.0122 %	97.8160 %	99.5008 %	99.3441 %
Concentration per Run	0.5134 ppm	100.7999 %	99.8137 %	101.2407 %	99.0058 %	96.8745 %	100.4104 %
Concentration per Run	0.5154 ppm	99.3624 %	100.1170 %	99.9325 %	97.1898 %	98.2160 %	99.1150 %
Recovery Percentage	102.193 %						
Concentration RSD	1.2 %	0.8 %	1.0 %	0.7 %	0.9 %	1.3 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 9:12:00 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	-0.0069 ppm	0.0003 ppm	0.0007 ppm	0.0002 ppm	0.0001 ppm	0.0162 ppm
Concentration per Run	0.0009 ppm	-0.0060 ppm	0.0031 ppm	0.0043 ppm	0.0004 ppm	0.0001 ppm	0.0138 ppm
Concentration per Run	0.0010 ppm	-0.0034 ppm	0.0011 ppm	-0.0014 ppm	0.0001 ppm	0.0001 ppm	0.0165 ppm
Concentration per Run	0.0014 ppm	-0.0111 ppm	-0.0034 ppm	-0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0183 ppm
Recovery Percentage	15.451 %	-6.854 %	5.123 %	2.357 %	1.552 %	1.872 %	16.202 %
Concentration RSD	24.8 %	57.2 %	1,280.5 %	436.4 %	148.6 %	35.2 %	14.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0001 ppm	-0.0002 ppm	0.0017 ppm	-0.0124 ppm	0.0033 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0027 ppm	-0.0114 ppm	0.0037 ppm
Concentration per Run	-0.0001 ppm	-0.0007 ppm	0.0000 ppm	-0.0002 ppm	0.0004 ppm	0.0089 ppm	0.0043 ppm
Concentration per Run	-0.0001 ppm	-0.0003 ppm	0.0002 ppm	-0.0004 ppm	0.0020 ppm	-0.0346 ppm	0.0019 ppm
Recovery Percentage	-1.921 %	-1.691 %	1.173 %	-1.516 %	3.422 %	-0.496 %	66.125 %
Concentration RSD	25.2 %	90.0 %	51.9 %	172.3 %	68.9 %	175.6 %	36.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0009 ppm	0.0003 ppm	0.0011 ppm	0.0085 ppm	-0.0009 ppm	0.0012 ppm	-0.0053 ppm
Concentration per Run	-0.0010 ppm	0.0005 ppm	0.0016 ppm	0.0136 ppm	-0.0013 ppm	0.0011 ppm	-0.0035 ppm
Concentration per Run	-0.0034 ppm	0.0000 ppm	0.0008 ppm	0.0091 ppm	0.0001 ppm	0.0008 ppm	-0.0066 ppm
Concentration per Run	0.0017 ppm	0.0003 ppm	0.0008 ppm	0.0028 ppm	-0.0016 ppm	0.0019 ppm	-0.0057 ppm
Recovery Percentage	-0.908 %	2.695 %	2.128 %	0.425 %	-3.751 %	12.465 %	-10.568 %
Concentration RSD	283.0 %	101.5 %	45.6 %	63.7 %	94.2 %	46.6 %	30.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0018 ppm	0.0058 ppm	0.0007 ppm	-0.0003 ppm	0.0002 ppm	-0.0004 ppm	-0.0004 ppm
Concentration per Run	0.0015 ppm	0.0065 ppm	0.0016 ppm	-0.0003 ppm	0.0000 ppm	-0.0018 ppm	-0.0006 ppm
Concentration per Run	0.0016 ppm	0.0049 ppm	-0.0008 ppm	-0.0004 ppm	0.0004 ppm	0.0015 ppm	-0.0002 ppm
Concentration per Run	0.0023 ppm	0.0059 ppm	0.0012 ppm	-0.0002 ppm	0.0001 ppm	-0.0011 ppm	-0.0005 ppm
Recovery Percentage	18.450 %	1.154 %	1.327 %	-3.265 %	1.840 %	-2.200 %	-4.272 %
Concentration RSD	23.7 %	14.6 %	195.3 %	34.8 %	100.0 %	393.7 %	50.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	95.8196 %	98.5548 %	98.7553 %	95.6261 %	99.1902 %	98.9745 %
Concentration per Run	0.0006 ppm	94.8774 %	98.2415 %	98.4880 %	94.5088 %	98.8978 %	98.7711 %
Concentration per Run	0.0004 ppm	95.2075 %	98.3503 %	98.8535 %	95.1758 %	99.1190 %	98.9330 %
Concentration per Run	0.0006 ppm	97.3739 %	99.0727 %	98.9244 %	97.1936 %	99.5539 %	99.2195 %
Recovery Percentage	10.470 %						
Concentration RSD	23.6 %	1.4 %	0.5 %	0.2 %	1.5 %	0.3 %	0.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: xL2558498-03d2 WG2118041
 Analysis started at: 9/24/2025 9:15:29 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 11

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0175 ppm	0.0040 ppm	-0.0023 ppm	0.0706 ppm	0.0000 ppm	0.0001 ppm	-0.0014 ppm
Concentration per Run	-0.0368 ppm	0.0036 ppm	-0.0035 ppm	0.1180 ppm	0.0001 ppm	0.0001 ppm	-0.0019 ppm
Concentration per Run	-0.0097 ppm	0.0051 ppm	-0.0074 ppm	0.0578 ppm	-0.0001 ppm	0.0001 ppm	-0.0008 ppm
Concentration per Run	-0.0061 ppm	0.0034 ppm	0.0039 ppm	0.0361 ppm	0.0000 ppm	0.0002 ppm	-0.0017 ppm
Concentration RSD	95.6 %	23.3 %	245.7 %	60.1 %	316.5 %	11.0 %	42.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0007 ppm	0.0145 ppm	0.0222 ppm	-0.0026 ppm	0.0009 ppm	0.0382 ppm	-0.0033 ppm
Concentration per Run	-0.0004 ppm	0.0171 ppm	0.0482 ppm	-0.0006 ppm	0.0018 ppm	0.0309 ppm	-0.0037 ppm
Concentration per Run	-0.0017 ppm	0.0165 ppm	0.0134 ppm	-0.0052 ppm	0.0003 ppm	0.0415 ppm	-0.0033 ppm
Concentration per Run	0.0001 ppm	0.0098 ppm	0.0049 ppm	-0.0019 ppm	0.0007 ppm	0.0421 ppm	-0.0031 ppm
Concentration RSD	142.7 %	28.0 %	103.4 %	93.4 %	89.0 %	16.5 %	9.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0204 ppm	0.0004 ppm	-0.0010 ppm	0.0180 ppm	-0.0339 ppm	-0.0025 ppm	0.0473 ppm
Concentration per Run	-0.0237 ppm	0.0004 ppm	-0.0038 ppm	0.0189 ppm	-0.0766 ppm	-0.0033 ppm	0.0142 ppm
Concentration per Run	-0.0107 ppm	0.0005 ppm	0.0019 ppm	0.0183 ppm	-0.0113 ppm	-0.0025 ppm	0.0846 ppm
Concentration per Run	-0.0269 ppm	0.0005 ppm	-0.0012 ppm	0.0170 ppm	-0.0139 ppm	-0.0016 ppm	0.0431 ppm
Concentration RSD	41.9 %	2.2 %	274.4 %	5.5 %	109.0 %	35.4 %	74.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0163 ppm	0.0435 ppm	-0.0068 ppm	-0.0001 ppm	-0.0265 ppm	0.0034 ppm	0.0035 ppm
Concentration per Run	-0.0265 ppm	0.1022 ppm	-0.0013 ppm	-0.0001 ppm	-0.0563 ppm	0.0053 ppm	0.0091 ppm
Concentration per Run	-0.0192 ppm	0.0097 ppm	-0.0225 ppm	-0.0001 ppm	-0.0138 ppm	0.0022 ppm	0.0015 ppm
Concentration per Run	-0.0032 ppm	0.0185 ppm	0.0032 ppm	-0.0001 ppm	-0.0094 ppm	0.0027 ppm	-0.0001 ppm
Concentration RSD	73.2 %	117.4 %	201.1 %	33.0 %	97.8 %	48.5 %	140.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0004 ppm	10.1043 %	242.3987 %	46.1004 %	9.6956 %	242.8595 %	45.6145 %
Concentration per Run	-0.0027 ppm	3.9573 %	229.1165 %	27.6715 %	3.5942 %	228.7732 %	27.3349 %
Concentration per Run	0.0026 ppm	9.7281 %	242.2808 %	36.8336 %	9.4980 %	242.7617 %	36.1683 %
Concentration per Run	-0.0013 ppm	16.6276 %	255.7989 %	73.7959 %	15.9947 %	257.0436 %	73.3404 %
Concentration RSD	643.1 %	62.8 %	5.5 %	53.0 %	64.0 %	5.8 %	53.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558498-04d2 WG2118041
 Analysis started at: 9/24/2025 9:17:34 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 12

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	65.6121 ppm	0.0795 ppm	0.0090 ppm	0.5187 ppm	0.0024 ppm	3.1647 ppm
Concentration per Run	0.0020 ppm	65.0480 ppm	0.0768 ppm	0.0086 ppm	0.5083 ppm	0.0023 ppm	3.1454 ppm
Concentration per Run	0.0005 ppm	65.4750 ppm	0.0787 ppm	0.0107 ppm	0.5215 ppm	0.0023 ppm	3.1544 ppm
Concentration per Run	0.0017 ppm	66.3134 ppm	0.0830 ppm	0.0078 ppm	0.5263 ppm	0.0025 ppm	3.1942 ppm
Concentration RSD	57.7 %	1.0 %	4.0 %	16.4 %	1.8 %	4.0 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0022 ppm	0.0547 ppm	0.0729 ppm	0.0446 ppm	125.2448 ppm	3.2285 ppm	0.1047 ppm
Concentration per Run	0.0022 ppm	0.0540 ppm	0.0728 ppm	0.0445 ppm	123.2549 ppm	3.1589 ppm	0.1049 ppm
Concentration per Run	0.0022 ppm	0.0552 ppm	0.0731 ppm	0.0450 ppm	125.1888 ppm	3.2620 ppm	0.1033 ppm
Concentration per Run	0.0021 ppm	0.0549 ppm	0.0729 ppm	0.0444 ppm	127.2908 ppm	3.2646 ppm	0.1059 ppm
Concentration RSD	3.1 %	1.1 %	0.2 %	0.7 %	1.6 %	1.9 %	1.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	13.8961 ppm	10.8349 ppm	0.0028 ppm	0.1136 ppm	0.0721 ppm	0.2151 ppm	-0.0015 ppm
Concentration per Run	13.6997 ppm	10.6975 ppm	0.0026 ppm	0.1143 ppm	0.0730 ppm	0.2145 ppm	0.0005 ppm
Concentration per Run	13.9228 ppm	10.8298 ppm	0.0027 ppm	0.1021 ppm	0.0703 ppm	0.2162 ppm	-0.0065 ppm
Concentration per Run	14.0659 ppm	10.9773 ppm	0.0033 ppm	0.1244 ppm	0.0730 ppm	0.2146 ppm	0.0016 ppm
Concentration RSD	1.3 %	1.3 %	13.1 %	9.9 %	2.1 %	0.4 %	301.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0029 ppm	4.5268 ppm	0.0109 ppm	0.0190 ppm	0.3749 ppm	-0.0020 ppm	0.1124 ppm
Concentration per Run	0.0041 ppm	4.4656 ppm	0.0100 ppm	0.0186 ppm	0.3679 ppm	-0.0010 ppm	0.1109 ppm
Concentration per Run	0.0012 ppm	4.5773 ppm	0.0116 ppm	0.0189 ppm	0.3778 ppm	-0.0043 ppm	0.1132 ppm
Concentration per Run	0.0033 ppm	4.5376 ppm	0.0111 ppm	0.0194 ppm	0.3790 ppm	-0.0007 ppm	0.1130 ppm
Concentration RSD	51.1 %	1.3 %	7.8 %	2.1 %	1.6 %	99.3 %	1.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4038 ppm	98.7050 %	105.0588 %	97.8346 %	97.1987 %	105.4490 %	101.1785 %
Concentration per Run	0.3993 ppm	99.2404 %	106.7171 %	97.2476 %	97.7765 %	105.5875 %	100.3824 %
Concentration per Run	0.4065 ppm	98.4600 %	104.4311 %	96.9375 %	97.1427 %	105.2577 %	100.1719 %
Concentration per Run	0.4055 ppm	98.4146 %	104.0282 %	99.3188 %	96.6770 %	105.5017 %	102.9813 %
Concentration RSD	1.0 %	0.5 %	1.4 %	1.3 %	0.6 %	0.2 %	1.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558498-05d2 WG2118041
 Analysis started at: 9/24/2025 9:19:38 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 13

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0028 ppm	67.8218 ppm	0.2656 ppm	0.0153 ppm	0.8680 ppm	0.0031 ppm	14.4153 ppm
Concentration per Run	0.0033 ppm	67.8309 ppm	0.2654 ppm	0.0143 ppm	0.8682 ppm	0.0030 ppm	14.4713 ppm
Concentration per Run	0.0027 ppm	67.5981 ppm	0.2668 ppm	0.0161 ppm	0.8680 ppm	0.0031 ppm	14.3144 ppm
Concentration per Run	0.0023 ppm	68.0365 ppm	0.2646 ppm	0.0156 ppm	0.8679 ppm	0.0030 ppm	14.4602 ppm
Concentration RSD	17.6 %	0.3 %	0.4 %	6.2 %	0.0 %	1.6 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0069 ppm	0.0706 ppm	0.0835 ppm	0.0904 ppm	146.6199 ppm	4.6462 ppm	0.1060 ppm
Concentration per Run	0.0069 ppm	0.0701 ppm	0.0841 ppm	0.0895 ppm	146.7478 ppm	4.6533 ppm	0.1055 ppm
Concentration per Run	0.0070 ppm	0.0707 ppm	0.0827 ppm	0.0911 ppm	146.5186 ppm	4.6762 ppm	0.1055 ppm
Concentration per Run	0.0069 ppm	0.0709 ppm	0.0835 ppm	0.0905 ppm	146.5934 ppm	4.6091 ppm	0.1070 ppm
Concentration RSD	1.2 %	0.6 %	0.8 %	0.8 %	0.1 %	0.7 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	11.2679 ppm	18.0001 ppm	0.0045 ppm	0.1376 ppm	0.0685 ppm	1.0396 ppm	-0.0015 ppm
Concentration per Run	11.2621 ppm	18.1019 ppm	0.0042 ppm	0.1398 ppm	0.0674 ppm	1.0435 ppm	0.0024 ppm
Concentration per Run	11.3101 ppm	17.9881 ppm	0.0041 ppm	0.1395 ppm	0.0702 ppm	1.0443 ppm	-0.0033 ppm
Concentration per Run	11.2313 ppm	17.9104 ppm	0.0052 ppm	0.1336 ppm	0.0679 ppm	1.0309 ppm	-0.0037 ppm
Concentration RSD	0.4 %	0.5 %	13.0 %	2.5 %	2.2 %	0.7 %	224.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0044 ppm	6.2833 ppm	0.0181 ppm	0.0486 ppm	0.4467 ppm	-0.0021 ppm	0.1499 ppm
Concentration per Run	0.0064 ppm	6.2893 ppm	0.0186 ppm	0.0488 ppm	0.4442 ppm	-0.0030 ppm	0.1490 ppm
Concentration per Run	0.0025 ppm	6.2663 ppm	0.0176 ppm	0.0486 ppm	0.4477 ppm	-0.0048 ppm	0.1503 ppm
Concentration per Run	0.0044 ppm	6.2942 ppm	0.0180 ppm	0.0485 ppm	0.4482 ppm	0.0014 ppm	0.1504 ppm
Concentration RSD	44.4 %	0.2 %	2.9 %	0.3 %	0.5 %	148.4 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8204 ppm	98.8394 %	104.3636 %	97.2881 %	97.7271 %	102.9194 %	101.8366 %
Concentration per Run	0.8163 ppm	98.4107 %	104.7768 %	96.6448 %	96.9854 %	103.5206 %	101.1327 %
Concentration per Run	0.8195 ppm	99.1833 %	104.1913 %	96.7108 %	98.0726 %	103.5889 %	101.2032 %
Concentration per Run	0.8255 ppm	98.9242 %	104.1226 %	98.5088 %	98.1234 %	101.6488 %	103.1740 %
Concentration RSD	0.6 %	0.4 %	0.3 %	1.1 %	0.7 %	1.1 %	1.1 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558498-06d2 WG2118041
 Analysis started at: 9/24/2025 9:21:43 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 14

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	120.3896 ppm	0.0795 ppm	0.0051 ppm	0.4711 ppm	0.0034 ppm	1.2115 ppm
Concentration per Run	0.0009 ppm	120.3508 ppm	0.0806 ppm	0.0060 ppm	0.4724 ppm	0.0034 ppm	1.2110 ppm
Concentration per Run	0.0017 ppm	120.0034 ppm	0.0761 ppm	0.0059 ppm	0.4703 ppm	0.0034 ppm	1.2136 ppm
Concentration per Run	0.0015 ppm	120.8145 ppm	0.0819 ppm	0.0035 ppm	0.4707 ppm	0.0034 ppm	1.2098 ppm
Concentration RSD	28.9 %	0.3 %	3.8 %	27.9 %	0.2 %	1.4 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0007 ppm	0.1018 ppm	0.1022 ppm	0.0530 ppm	189.3564 ppm	2.3709 ppm	0.1686 ppm
Concentration per Run	0.0008 ppm	0.1028 ppm	0.1034 ppm	0.0539 ppm	190.1025 ppm	2.3854 ppm	0.1714 ppm
Concentration per Run	0.0005 ppm	0.1012 ppm	0.1019 ppm	0.0528 ppm	188.9021 ppm	2.3796 ppm	0.1674 ppm
Concentration per Run	0.0007 ppm	0.1014 ppm	0.1015 ppm	0.0522 ppm	189.0645 ppm	2.3476 ppm	0.1671 ppm
Concentration RSD	23.8 %	0.9 %	1.0 %	1.7 %	0.3 %	0.9 %	1.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	14.7599 ppm	15.7903 ppm	0.0036 ppm	0.0936 ppm	0.1073 ppm	0.1615 ppm	-0.0054 ppm
Concentration per Run	14.8199 ppm	15.7793 ppm	0.0036 ppm	0.1003 ppm	0.1087 ppm	0.1630 ppm	-0.0081 ppm
Concentration per Run	14.8217 ppm	15.7671 ppm	0.0037 ppm	0.0906 ppm	0.1065 ppm	0.1612 ppm	-0.0023 ppm
Concentration per Run	14.6381 ppm	15.8245 ppm	0.0035 ppm	0.0900 ppm	0.1066 ppm	0.1603 ppm	-0.0059 ppm
Concentration RSD	0.7 %	0.2 %	2.1 %	6.2 %	1.2 %	0.8 %	54.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0032 ppm	2.4156 ppm	0.0078 ppm	0.0149 ppm	0.2784 ppm	-0.0010 ppm	0.1761 ppm
Concentration per Run	0.0078 ppm	2.4841 ppm	0.0085 ppm	0.0150 ppm	0.2811 ppm	-0.0019 ppm	0.1769 ppm
Concentration per Run	-0.0022 ppm	2.3993 ppm	0.0065 ppm	0.0147 ppm	0.2805 ppm	0.0000 ppm	0.1763 ppm
Concentration per Run	0.0041 ppm	2.3635 ppm	0.0083 ppm	0.0149 ppm	0.2736 ppm	-0.0012 ppm	0.1751 ppm
Concentration RSD	154.9 %	2.6 %	13.9 %	1.0 %	1.5 %	91.7 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6045 ppm	97.6139 %	98.1639 %	93.7215 %	96.0848 %	98.0132 %	98.3585 %
Concentration per Run	0.6113 ppm	97.0791 %	98.1947 %	93.8660 %	95.5368 %	97.9737 %	98.5841 %
Concentration per Run	0.6042 ppm	97.4991 %	97.8430 %	93.1329 %	95.7883 %	98.2507 %	97.7541 %
Concentration per Run	0.5980 ppm	98.2634 %	98.4539 %	94.1656 %	96.9292 %	97.8150 %	98.7372 %
Concentration RSD	1.1 %	0.6 %	0.3 %	0.6 %	0.8 %	0.2 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558558-01d2 WG2118041
 Analysis started at: 9/24/2025 9:23:47 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 15

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0032 ppm	125.4055 ppm	0.1155 ppm	0.1684 ppm	0.4683 ppm	0.0070 ppm	27.7747 ppm
Concentration per Run	0.0040 ppm	125.0929 ppm	0.1158 ppm	0.1655 ppm	0.4675 ppm	0.0070 ppm	27.8363 ppm
Concentration per Run	0.0027 ppm	125.6130 ppm	0.1192 ppm	0.1692 ppm	0.4674 ppm	0.0070 ppm	27.6569 ppm
Concentration per Run	0.0030 ppm	125.5106 ppm	0.1114 ppm	0.1705 ppm	0.4700 ppm	0.0070 ppm	27.8308 ppm
Concentration RSD	21.6 %	0.2 %	3.4 %	1.5 %	0.3 %	0.4 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0006 ppm	0.0946 ppm	0.2461 ppm	0.3252 ppm	262.2887 ppm	23.7553 ppm	0.2711 ppm
Concentration per Run	0.0005 ppm	0.0926 ppm	0.2435 ppm	0.3223 ppm	260.8464 ppm	23.6632 ppm	0.2737 ppm
Concentration per Run	0.0005 ppm	0.0963 ppm	0.2472 ppm	0.3257 ppm	262.5975 ppm	23.7456 ppm	0.2697 ppm
Concentration per Run	0.0007 ppm	0.0950 ppm	0.2475 ppm	0.3277 ppm	263.4222 ppm	23.8571 ppm	0.2699 ppm
Concentration RSD	18.1 %	2.0 %	0.9 %	0.9 %	0.5 %	0.4 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	60.2109 ppm	7.5528 ppm	0.0056 ppm	48.4922 ppm	0.2302 ppm	0.9292 ppm	-0.0035 ppm
Concentration per Run	59.9331 ppm	7.5302 ppm	0.0060 ppm	48.3378 ppm	0.2271 ppm	0.9290 ppm	-0.0064 ppm
Concentration per Run	60.0841 ppm	7.5580 ppm	0.0046 ppm	48.5797 ppm	0.2327 ppm	0.9287 ppm	-0.0033 ppm
Concentration per Run	60.6155 ppm	7.5701 ppm	0.0062 ppm	48.5591 ppm	0.2308 ppm	0.9298 ppm	-0.0007 ppm
Concentration RSD	0.6 %	0.3 %	15.4 %	0.3 %	1.2 %	0.1 %	83.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0044 ppm	6.3484 ppm	0.0598 ppm	0.2859 ppm	2.0880 ppm	0.0000 ppm	0.3117 ppm
Concentration per Run	0.0013 ppm	6.3295 ppm	0.0604 ppm	0.2852 ppm	2.0709 ppm	-0.0015 ppm	0.3101 ppm
Concentration per Run	0.0086 ppm	6.3445 ppm	0.0584 ppm	0.2861 ppm	2.0862 ppm	0.0004 ppm	0.3115 ppm
Concentration per Run	0.0032 ppm	6.3712 ppm	0.0606 ppm	0.2863 ppm	2.1068 ppm	0.0010 ppm	0.3134 ppm
Concentration RSD	87.2 %	0.3 %	2.1 %	0.2 %	0.9 %	5,497.6 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8668 ppm	93.9912 %	101.6695 %	91.5226 %	100.6604 %	109.2958 %	105.6206 %
Concentration per Run	0.8595 ppm	93.7167 %	100.9185 %	92.1545 %	99.9108 %	108.2149 %	106.5335 %
Concentration per Run	0.8694 ppm	94.1725 %	102.9056 %	91.1754 %	101.1653 %	111.1025 %	105.2994 %
Concentration per Run	0.8715 ppm	94.0845 %	101.1843 %	91.2380 %	100.9052 %	108.5700 %	105.0290 %
Concentration RSD	0.7 %	0.3 %	1.1 %	0.6 %	0.7 %	1.4 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558558-02d2 WG2118041
 Analysis started at: 9/24/2025 9:25:52 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 16

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0019 ppm	53.4198 ppm	0.0477 ppm	0.0639 ppm	0.2639 ppm	0.0068 ppm	21.5283 ppm
Concentration per Run	0.0025 ppm	54.0901 ppm	0.0461 ppm	0.0659 ppm	0.2667 ppm	0.0069 ppm	21.7637 ppm
Concentration per Run	0.0012 ppm	52.9559 ppm	0.0477 ppm	0.0622 ppm	0.2624 ppm	0.0067 ppm	21.3880 ppm
Concentration per Run	0.0021 ppm	53.2133 ppm	0.0492 ppm	0.0637 ppm	0.2625 ppm	0.0067 ppm	21.4334 ppm
Concentration RSD	32.3 %	1.1 %	3.3 %	2.9 %	0.9 %	1.2 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0775 ppm	0.2351 ppm	0.1936 ppm	426.9501 ppm	10.9608 ppm	0.0857 ppm
Concentration per Run	0.0001 ppm	0.0769 ppm	0.2338 ppm	0.1929 ppm	432.1854 ppm	11.1492 ppm	0.0860 ppm
Concentration per Run	0.0000 ppm	0.0773 ppm	0.2338 ppm	0.1940 ppm	423.2815 ppm	10.8809 ppm	0.0847 ppm
Concentration per Run	-0.0001 ppm	0.0783 ppm	0.2376 ppm	0.1940 ppm	425.3836 ppm	10.8522 ppm	0.0865 ppm
Concentration RSD	1,319.9 %	0.9 %	0.9 %	0.3 %	1.1 %	1.5 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	22.8939 ppm	7.6788 ppm	0.0037 ppm	15.3561 ppm	0.1205 ppm	0.1269 ppm	-0.0075 ppm
Concentration per Run	23.0037 ppm	7.7851 ppm	0.0036 ppm	15.4338 ppm	0.1201 ppm	0.1291 ppm	-0.0093 ppm
Concentration per Run	22.7447 ppm	7.6089 ppm	0.0037 ppm	15.2616 ppm	0.1205 ppm	0.1266 ppm	0.0013 ppm
Concentration per Run	22.9331 ppm	7.6425 ppm	0.0039 ppm	15.3730 ppm	0.1208 ppm	0.1251 ppm	-0.0144 ppm
Concentration RSD	0.6 %	1.2 %	4.6 %	0.6 %	0.3 %	1.6 %	107.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0013 ppm	4.1878 ppm	0.0123 ppm	0.1059 ppm	1.9030 ppm	-0.0021 ppm	0.4927 ppm
Concentration per Run	0.0006 ppm	4.2113 ppm	0.0124 ppm	0.1073 ppm	1.9160 ppm	-0.0010 ppm	0.4948 ppm
Concentration per Run	0.0072 ppm	4.1656 ppm	0.0116 ppm	0.1053 ppm	1.8909 ppm	-0.0029 ppm	0.4906 ppm
Concentration per Run	-0.0038 ppm	4.1866 ppm	0.0128 ppm	0.1051 ppm	1.9022 ppm	-0.0022 ppm	0.4928 ppm
Concentration RSD	413.8 %	0.5 %	5.1 %	1.2 %	0.7 %	46.5 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4440 ppm	97.2634 %	101.7470 %	93.5304 %	101.9927 %	108.0637 %	106.0779 %
Concentration per Run	0.4444 ppm	96.7681 %	100.1314 %	93.6415 %	101.0244 %	107.8842 %	106.3802 %
Concentration per Run	0.4426 ppm	98.2586 %	103.5815 %	92.7542 %	102.7895 %	107.9330 %	105.2183 %
Concentration per Run	0.4451 ppm	96.7634 %	101.5282 %	94.1954 %	102.1642 %	108.3737 %	106.6354 %
Concentration RSD	0.3 %	0.9 %	1.7 %	0.8 %	0.9 %	0.2 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558604-01d2 WG2118041
 Analysis started at: 9/24/2025 9:27:56 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 17

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0084 ppm	127.8920 ppm	0.0593 ppm	0.0130 ppm	0.6657 ppm	0.0112 ppm	27.0862 ppm
Concentration per Run	0.0080 ppm	126.8929 ppm	0.0603 ppm	0.0120 ppm	0.6586 ppm	0.0111 ppm	26.9456 ppm
Concentration per Run	0.0084 ppm	128.1610 ppm	0.0603 ppm	0.0145 ppm	0.6671 ppm	0.0112 ppm	27.0252 ppm
Concentration per Run	0.0087 ppm	128.6220 ppm	0.0573 ppm	0.0124 ppm	0.6714 ppm	0.0113 ppm	27.2878 ppm
Concentration RSD	4.1 %	0.7 %	2.9 %	10.4 %	1.0 %	0.9 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0023 ppm	0.0593 ppm	0.1685 ppm	0.3910 ppm	190.9711 ppm	16.0273 ppm	0.2186 ppm
Concentration per Run	0.0023 ppm	0.0589 ppm	0.1690 ppm	0.3876 ppm	189.2337 ppm	15.9170 ppm	0.2197 ppm
Concentration per Run	0.0023 ppm	0.0593 ppm	0.1694 ppm	0.3952 ppm	191.0861 ppm	16.0668 ppm	0.2196 ppm
Concentration per Run	0.0023 ppm	0.0598 ppm	0.1672 ppm	0.3901 ppm	192.5934 ppm	16.0981 ppm	0.2164 ppm
Concentration RSD	0.4 %	0.7 %	0.7 %	1.0 %	0.9 %	0.6 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	30.7113 ppm	3.5655 ppm	0.0103 ppm	0.7462 ppm	0.1230 ppm	0.2850 ppm	-0.0028 ppm
Concentration per Run	30.6977 ppm	3.5277 ppm	0.0097 ppm	0.7374 ppm	0.1244 ppm	0.2833 ppm	-0.0064 ppm
Concentration per Run	30.6993 ppm	3.5783 ppm	0.0101 ppm	0.7532 ppm	0.1212 ppm	0.2855 ppm	0.0002 ppm
Concentration per Run	30.7369 ppm	3.5904 ppm	0.0110 ppm	0.7481 ppm	0.1235 ppm	0.2861 ppm	-0.0021 ppm
Concentration RSD	0.1 %	0.9 %	6.5 %	1.1 %	1.3 %	0.5 %	121.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0033 ppm	5.6052 ppm	0.0421 ppm	0.1235 ppm	6.3807 ppm	-0.0014 ppm	0.2649 ppm
Concentration per Run	0.0066 ppm	5.6317 ppm	0.0418 ppm	0.1224 ppm	6.3508 ppm	-0.0048 ppm	0.2645 ppm
Concentration per Run	-0.0023 ppm	5.5959 ppm	0.0428 ppm	0.1239 ppm	6.3831 ppm	0.0006 ppm	0.2653 ppm
Concentration per Run	0.0056 ppm	5.5879 ppm	0.0416 ppm	0.1242 ppm	6.4081 ppm	0.0001 ppm	0.2649 ppm
Concentration RSD	147.6 %	0.4 %	1.6 %	0.7 %	0.5 %	217.0 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1150 ppm	98.9245 %	104.6320 %	97.5700 %	107.2961 %	115.5236 %	113.9751 %
Concentration per Run	1.1165 ppm	97.8507 %	106.6354 %	98.5739 %	105.8586 %	117.2053 %	115.0921 %
Concentration per Run	1.1148 ppm	99.6485 %	104.1939 %	97.2369 %	108.0066 %	114.8965 %	113.5366 %
Concentration per Run	1.1136 ppm	99.2742 %	103.0668 %	96.8991 %	108.0230 %	114.4690 %	113.2965 %
Concentration RSD	0.1 %	1.0 %	1.7 %	0.9 %	1.2 %	1.3 %	0.9 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558604-02d2 WG2118041
 Analysis started at: 9/24/2025 9:30:01 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 18

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	164.4545 ppm	0.0664 ppm	0.0032 ppm	1.0214 ppm	0.0069 ppm	24.3262 ppm
Concentration per Run	0.0016 ppm	165.5248 ppm	0.0658 ppm	0.0021 ppm	1.0259 ppm	0.0069 ppm	24.4964 ppm
Concentration per Run	-0.0003 ppm	164.1974 ppm	0.0684 ppm	0.0056 ppm	1.0259 ppm	0.0069 ppm	24.2513 ppm
Concentration per Run	0.0008 ppm	163.6413 ppm	0.0648 ppm	0.0019 ppm	1.0125 ppm	0.0069 ppm	24.2309 ppm
Concentration RSD	141.3 %	0.6 %	2.8 %	64.8 %	0.8 %	0.4 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.1234 ppm	0.2869 ppm	0.2373 ppm	290.1962 ppm	65.5787 ppm	0.3473 ppm
Concentration per Run	0.0001 ppm	0.1234 ppm	0.2850 ppm	0.2364 ppm	292.8894 ppm	65.5827 ppm	0.3511 ppm
Concentration per Run	0.0000 ppm	0.1227 ppm	0.2865 ppm	0.2368 ppm	289.1333 ppm	65.8235 ppm	0.3450 ppm
Concentration per Run	0.0002 ppm	0.1241 ppm	0.2891 ppm	0.2387 ppm	288.5660 ppm	65.3298 ppm	0.3456 ppm
Concentration RSD	119.1 %	0.6 %	0.7 %	0.5 %	0.8 %	0.4 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	76.0617 ppm	4.8100 ppm	0.0112 ppm	2.3468 ppm	0.2293 ppm	0.0855 ppm	-0.0036 ppm
Concentration per Run	75.4077 ppm	4.8372 ppm	0.0109 ppm	2.3466 ppm	0.2288 ppm	0.0861 ppm	0.0015 ppm
Concentration per Run	76.1571 ppm	4.7847 ppm	0.0116 ppm	2.3566 ppm	0.2297 ppm	0.0842 ppm	-0.0067 ppm
Concentration per Run	76.6203 ppm	4.8082 ppm	0.0111 ppm	2.3372 ppm	0.2293 ppm	0.0863 ppm	-0.0058 ppm
Concentration RSD	0.8 %	0.5 %	3.2 %	0.4 %	0.2 %	1.4 %	122.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0011 ppm	7.2153 ppm	0.0171 ppm	0.1534 ppm	13.5944 ppm	0.0068 ppm	0.4947 ppm
Concentration per Run	-0.0020 ppm	7.1703 ppm	0.0187 ppm	0.1539 ppm	13.4890 ppm	0.0077 ppm	0.4907 ppm
Concentration per Run	-0.0007 ppm	7.2358 ppm	0.0162 ppm	0.1540 ppm	13.6300 ppm	0.0068 ppm	0.4959 ppm
Concentration per Run	-0.0005 ppm	7.2399 ppm	0.0165 ppm	0.1523 ppm	13.6644 ppm	0.0059 ppm	0.4975 ppm
Concentration RSD	72.2 %	0.5 %	8.0 %	0.6 %	0.7 %	13.0 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7299 ppm	96.4647 %	103.1418 %	93.9307 %	98.7414 %	111.5236 %	103.5452 %
Concentration per Run	0.7249 ppm	96.3624 %	103.2263 %	93.9206 %	98.3543 %	112.0883 %	103.4931 %
Concentration per Run	0.7308 ppm	96.8189 %	103.0119 %	94.6915 %	99.4154 %	111.8242 %	104.5523 %
Concentration per Run	0.7340 ppm	96.2128 %	103.1873 %	93.1800 %	98.4546 %	110.6583 %	102.5901 %
Concentration RSD	0.6 %	0.3 %	0.1 %	0.8 %	0.6 %	0.7 %	0.9 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558630-01d2 WG2118041
 Analysis started at: 9/24/2025 9:32:05 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 19

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	63.7500 ppm	0.0338 ppm	0.0106 ppm	0.6922 ppm	0.0035 ppm	25.0949 ppm
Concentration per Run	0.0005 ppm	64.1234 ppm	0.0319 ppm	0.0120 ppm	0.7034 ppm	0.0035 ppm	25.2991 ppm
Concentration per Run	0.0018 ppm	64.2335 ppm	0.0333 ppm	0.0106 ppm	0.6916 ppm	0.0036 ppm	25.1658 ppm
Concentration per Run	0.0020 ppm	62.8932 ppm	0.0363 ppm	0.0092 ppm	0.6815 ppm	0.0035 ppm	24.8199 ppm
Concentration RSD	58.3 %	1.2 %	6.6 %	13.3 %	1.6 %	1.3 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0014 ppm	0.0417 ppm	0.1954 ppm	0.4905 ppm	110.6014 ppm	4.7469 ppm	0.0824 ppm
Concentration per Run	0.0013 ppm	0.0417 ppm	0.1950 ppm	0.4913 ppm	112.8096 ppm	4.8393 ppm	0.0842 ppm
Concentration per Run	0.0014 ppm	0.0417 ppm	0.1956 ppm	0.4893 ppm	110.4727 ppm	4.7363 ppm	0.0819 ppm
Concentration per Run	0.0014 ppm	0.0417 ppm	0.1957 ppm	0.4910 ppm	108.5219 ppm	4.6651 ppm	0.0813 ppm
Concentration RSD	7.0 %	0.1 %	0.2 %	0.2 %	1.9 %	1.8 %	1.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	19.3841 ppm	1.7057 ppm	0.0038 ppm	0.9108 ppm	0.1090 ppm	0.9226 ppm	-0.0019 ppm
Concentration per Run	19.5030 ppm	1.7252 ppm	0.0039 ppm	0.9059 ppm	0.1089 ppm	0.9308 ppm	0.0010 ppm
Concentration per Run	19.2243 ppm	1.7164 ppm	0.0033 ppm	0.9438 ppm	0.1086 ppm	0.9213 ppm	-0.0044 ppm
Concentration per Run	19.4251 ppm	1.6754 ppm	0.0041 ppm	0.8826 ppm	0.1093 ppm	0.9156 ppm	-0.0022 ppm
Concentration RSD	0.7 %	1.6 %	11.5 %	3.4 %	0.3 %	0.8 %	144.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0038 ppm	2.1968 ppm	0.0354 ppm	0.1320 ppm	1.8032 ppm	0.0007 ppm	0.1853 ppm
Concentration per Run	0.0013 ppm	2.2033 ppm	0.0347 ppm	0.1348 ppm	1.8185 ppm	0.0000 ppm	0.1863 ppm
Concentration per Run	0.0073 ppm	2.1784 ppm	0.0369 ppm	0.1320 ppm	1.7830 ppm	0.0013 ppm	0.1837 ppm
Concentration per Run	0.0028 ppm	2.2086 ppm	0.0346 ppm	0.1293 ppm	1.8080 ppm	0.0008 ppm	0.1858 ppm
Concentration RSD	81.2 %	0.7 %	3.6 %	2.1 %	1.0 %	90.2 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8137 ppm	98.2849 %	102.5930 %	96.9680 %	100.4595 %	106.7024 %	104.5009 %
Concentration per Run	0.8103 ppm	97.7741 %	101.2471 %	96.3945 %	99.7696 %	103.0668 %	103.9480 %
Concentration per Run	0.8138 ppm	98.9545 %	101.1079 %	97.0245 %	100.7012 %	110.2073 %	104.4870 %
Concentration per Run	0.8170 ppm	98.1262 %	105.4239 %	97.4852 %	100.9076 %	106.8330 %	105.0679 %
Concentration RSD	0.4 %	0.6 %	2.4 %	0.6 %	0.6 %	3.3 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558630-02d2 WG2118041
 Analysis started at: 9/24/2025 9:34:10 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 20

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	57.2974 ppm	0.0275 ppm	0.0105 ppm	0.4903 ppm	0.0031 ppm	25.1150 ppm
Concentration per Run	0.0014 ppm	56.8392 ppm	0.0269 ppm	0.0119 ppm	0.4833 ppm	0.0031 ppm	24.9526 ppm
Concentration per Run	0.0013 ppm	57.0624 ppm	0.0275 ppm	0.0109 ppm	0.4914 ppm	0.0030 ppm	25.0306 ppm
Concentration per Run	0.0015 ppm	57.9906 ppm	0.0281 ppm	0.0089 ppm	0.4961 ppm	0.0032 ppm	25.3616 ppm
Concentration RSD	8.5 %	1.1 %	2.1 %	14.2 %	1.3 %	3.4 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0013 ppm	0.0362 ppm	0.1729 ppm	0.3843 ppm	98.0042 ppm	4.1496 ppm	0.0722 ppm
Concentration per Run	0.0013 ppm	0.0370 ppm	0.1737 ppm	0.3857 ppm	96.4717 ppm	4.0793 ppm	0.0722 ppm
Concentration per Run	0.0012 ppm	0.0364 ppm	0.1724 ppm	0.3837 ppm	98.3254 ppm	4.1766 ppm	0.0694 ppm
Concentration per Run	0.0012 ppm	0.0354 ppm	0.1725 ppm	0.3834 ppm	99.2155 ppm	4.1928 ppm	0.0749 ppm
Concentration RSD	3.7 %	2.2 %	0.4 %	0.3 %	1.4 %	1.5 %	3.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	17.1292 ppm	1.3230 ppm	0.0031 ppm	0.8803 ppm	0.0983 ppm	0.7611 ppm	0.0007 ppm
Concentration per Run	17.0825 ppm	1.3145 ppm	0.0038 ppm	0.9032 ppm	0.0996 ppm	0.7544 ppm	0.0026 ppm
Concentration per Run	17.1744 ppm	1.3167 ppm	0.0026 ppm	0.8622 ppm	0.0980 ppm	0.7602 ppm	-0.0043 ppm
Concentration per Run	17.1307 ppm	1.3378 ppm	0.0028 ppm	0.8753 ppm	0.0974 ppm	0.7687 ppm	0.0039 ppm
Concentration RSD	0.3 %	1.0 %	20.8 %	2.4 %	1.2 %	0.9 %	638.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0005 ppm	6.0089 ppm	0.0304 ppm	0.1181 ppm	1.7203 ppm	-0.0007 ppm	0.1625 ppm
Concentration per Run	0.0038 ppm	5.9987 ppm	0.0321 ppm	0.1162 ppm	1.7143 ppm	-0.0009 ppm	0.1625 ppm
Concentration per Run	-0.0047 ppm	6.0096 ppm	0.0314 ppm	0.1180 ppm	1.7413 ppm	-0.0014 ppm	0.1624 ppm
Concentration per Run	-0.0006 ppm	6.0184 ppm	0.0278 ppm	0.1200 ppm	1.7054 ppm	0.0001 ppm	0.1626 ppm
Concentration RSD	845.7 %	0.2 %	7.6 %	1.6 %	1.1 %	106.1 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7466 ppm	97.1765 %	103.8507 %	96.4917 %	98.4482 %	107.8710 %	103.1001 %
Concentration per Run	0.7506 ppm	96.7453 %	103.1897 %	97.0416 %	98.2962 %	111.0015 %	103.6585 %
Concentration per Run	0.7462 ppm	96.9846 %	105.3648 %	96.7504 %	98.1405 %	106.5504 %	103.1918 %
Concentration per Run	0.7429 ppm	97.7995 %	102.9977 %	95.6831 %	98.9081 %	106.0611 %	102.4500 %
Concentration RSD	0.5 %	0.6 %	1.3 %	0.7 %	0.4 %	2.5 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 9:36:15 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5061 ppm	0.4851 ppm	0.4892 ppm	0.4964 ppm	0.4977 ppm	0.5099 ppm	0.5049 ppm
Concentration per Run	0.5015 ppm	0.4914 ppm	0.4907 ppm	0.4903 ppm	0.4939 ppm	0.5079 ppm	0.4995 ppm
Concentration per Run	0.5108 ppm	0.4854 ppm	0.4852 ppm	0.4992 ppm	0.4982 ppm	0.5124 ppm	0.5116 ppm
Concentration per Run	0.5059 ppm	0.4786 ppm	0.4919 ppm	0.4997 ppm	0.5010 ppm	0.5094 ppm	0.5036 ppm
Recovery Percentage	101.211 %	97.020 %	97.850 %	99.280 %	99.537 %	101.979 %	100.982 %
Concentration RSD	0.9 %	1.3 %	0.7 %	1.1 %	0.7 %	0.4 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5071 ppm	0.5144 ppm	0.5060 ppm	0.5234 ppm	0.5072 ppm	5.1854 ppm	0.5150 ppm
Concentration per Run	0.5010 ppm	0.5079 ppm	0.4973 ppm	0.5153 ppm	0.5063 ppm	5.1669 ppm	0.5140 ppm
Concentration per Run	0.5123 ppm	0.5194 ppm	0.5116 ppm	0.5289 ppm	0.5080 ppm	5.2192 ppm	0.5144 ppm
Concentration per Run	0.5078 ppm	0.5158 ppm	0.5090 ppm	0.5262 ppm	0.5072 ppm	5.1702 ppm	0.5166 ppm
Recovery Percentage	101.411 %	102.874 %	101.197 %	104.687 %	101.432 %	103.708 %	103.000 %
Concentration RSD	1.1 %	1.1 %	1.5 %	1.4 %	0.2 %	0.6 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5060 ppm	0.5098 ppm	0.4972 ppm	10.0826 ppm	0.5197 ppm	0.5094 ppm	0.5125 ppm
Concentration per Run	0.5003 ppm	0.5063 ppm	0.4946 ppm	10.0705 ppm	0.5118 ppm	0.5100 ppm	0.5027 ppm
Concentration per Run	0.5120 ppm	0.5099 ppm	0.5019 ppm	10.0470 ppm	0.5254 ppm	0.5087 ppm	0.5276 ppm
Concentration per Run	0.5059 ppm	0.5132 ppm	0.4951 ppm	10.1302 ppm	0.5220 ppm	0.5096 ppm	0.5073 ppm
Recovery Percentage	101.208 %	101.953 %	99.442 %	100.826 %	103.945 %	101.883 %	102.502 %
Concentration RSD	1.2 %	0.7 %	0.8 %	0.4 %	1.4 %	0.1 %	2.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4992 ppm	5.4510 ppm	0.5036 ppm	0.4992 ppm	0.5086 ppm	0.5138 ppm	0.5118 ppm
Concentration per Run	0.5007 ppm	5.3826 ppm	0.4977 ppm	0.4943 ppm	0.5049 ppm	0.5116 ppm	0.5063 ppm
Concentration per Run	0.4995 ppm	5.5042 ppm	0.5088 ppm	0.5001 ppm	0.5136 ppm	0.5101 ppm	0.5163 ppm
Concentration per Run	0.4973 ppm	5.4662 ppm	0.5043 ppm	0.5033 ppm	0.5073 ppm	0.5197 ppm	0.5129 ppm
Recovery Percentage	99.839 %	103.828 %	100.727 %	99.845 %	101.725 %	102.765 %	102.368 %
Concentration RSD	0.3 %	1.1 %	1.1 %	0.9 %	0.9 %	1.0 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5106 ppm	101.6917 %	109.0444 %	102.7906 %	99.0308 %	106.8192 %	102.2496 %
Concentration per Run	0.5038 ppm	102.7785 %	109.7616 %	103.3621 %	99.8013 %	107.2662 %	102.8874 %
Concentration per Run	0.5165 ppm	100.0728 %	109.5277 %	101.9400 %	97.5627 %	106.8417 %	101.3601 %
Concentration per Run	0.5114 ppm	102.2239 %	107.8439 %	103.0696 %	99.7285 %	106.3496 %	102.5012 %
Recovery Percentage	102.120 %						
Concentration RSD	1.3 %	1.4 %	1.0 %	0.7 %	1.3 %	0.4 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 9:38:19 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	-0.0059 ppm	-0.0012 ppm	-0.0011 ppm	0.0002 ppm	0.0001 ppm	0.0179 ppm
Concentration per Run	0.0020 ppm	-0.0018 ppm	0.0010 ppm	-0.0026 ppm	0.0003 ppm	0.0001 ppm	0.0194 ppm
Concentration per Run	0.0006 ppm	-0.0085 ppm	-0.0035 ppm	-0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0195 ppm
Concentration per Run	0.0008 ppm	-0.0075 ppm	-0.0010 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0149 ppm
Recovery Percentage	16.179 %	-5.922 %	-23.188 %	-3.667 %	1.919 %	2.522 %	17.920 %
Concentration RSD	64.1 %	61.4 %	198.4 %	124.4 %	71.7 %	9.3 %	14.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0005 ppm	0.0000 ppm	-0.0002 ppm	0.0054 ppm	0.0413 ppm	-0.0016 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0006 ppm	-0.0003 ppm	0.0059 ppm	0.0418 ppm	-0.0012 ppm
Concentration per Run	0.0000 ppm	-0.0013 ppm	-0.0009 ppm	-0.0001 ppm	0.0046 ppm	0.0436 ppm	-0.0010 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0002 ppm	0.0058 ppm	0.0385 ppm	-0.0025 ppm
Recovery Percentage	-0.711 %	-2.452 %	0.054 %	-2.140 %	10.830 %	1.652 %	-31.149 %
Concentration RSD	98.2 %	140.8 %	14,584.4 %	42.3 %	12.6 %	6.3 %	52.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0009 ppm	0.0004 ppm	0.0011 ppm	0.0111 ppm	-0.0004 ppm	0.0011 ppm	-0.0028 ppm
Concentration per Run	-0.0026 ppm	0.0002 ppm	0.0013 ppm	0.0108 ppm	0.0004 ppm	0.0011 ppm	-0.0014 ppm
Concentration per Run	0.0010 ppm	0.0005 ppm	0.0012 ppm	0.0073 ppm	-0.0012 ppm	0.0014 ppm	-0.0038 ppm
Concentration per Run	-0.0010 ppm	0.0004 ppm	0.0009 ppm	0.0152 ppm	-0.0003 ppm	0.0007 ppm	-0.0032 ppm
Recovery Percentage	-0.859 %	3.691 %	2.277 %	0.555 %	-1.533 %	10.515 %	-5.574 %
Concentration RSD	206.8 %	35.6 %	16.6 %	36.0 %	205.7 %	36.7 %	45.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0019 ppm	0.0063 ppm	0.0002 ppm	-0.0001 ppm	0.0007 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run	-0.0032 ppm	0.0055 ppm	-0.0008 ppm	-0.0001 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run	-0.0008 ppm	0.0060 ppm	-0.0001 ppm	-0.0003 ppm	-0.0003 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run	-0.0018 ppm	0.0075 ppm	0.0015 ppm	-0.0001 ppm	0.0012 ppm	0.0002 ppm	-0.0001 ppm
Recovery Percentage	-19.275 %	1.263 %	0.378 %	-1.368 %	6.529 %	0.359 %	-1.865 %
Concentration RSD	61.1 %	17.0 %	644.7 %	97.6 %	121.9 %	140.8 %	116.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	105.0508 %	110.5360 %	107.2372 %	104.4220 %	109.5165 %	107.8140 %
Concentration per Run	0.0009 ppm	104.0505 %	110.3815 %	107.0037 %	103.5414 %	109.4800 %	107.3451 %
Concentration per Run	0.0002 ppm	106.3844 %	110.5494 %	107.0828 %	105.6858 %	108.8503 %	107.8094 %
Concentration per Run	0.0008 ppm	104.7175 %	110.6772 %	107.6252 %	104.0388 %	110.2191 %	108.2874 %
Recovery Percentage	12.341 %						
Concentration RSD	60.8 %	1.1 %	0.1 %	0.3 %	1.1 %	0.6 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: xL2558498-03d2 WG2118041
 Analysis started at: 9/24/2025 9:47:59 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 11

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0083 ppm	0.0038 ppm	0.0017 ppm	0.0228 ppm	-0.0001 ppm	0.0001 ppm	-0.0020 ppm
Concentration per Run	-0.0106 ppm	0.0003 ppm	0.0025 ppm	0.0307 ppm	-0.0001 ppm	0.0001 ppm	-0.0021 ppm
Concentration per Run	-0.0085 ppm	0.0069 ppm	0.0016 ppm	0.0233 ppm	-0.0001 ppm	0.0001 ppm	-0.0021 ppm
Concentration per Run	-0.0057 ppm	0.0042 ppm	0.0010 ppm	0.0144 ppm	-0.0001 ppm	0.0002 ppm	-0.0017 ppm
Concentration RSD	29.5 %	88.0 %	44.8 %	35.7 %	36.5 %	19.5 %	11.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0006 ppm	0.0061 ppm	0.0084 ppm	-0.0033 ppm	0.0014 ppm	0.0493 ppm	-0.0048 ppm
Concentration per Run	-0.0019 ppm	0.0112 ppm	0.0162 ppm	-0.0036 ppm	0.0012 ppm	0.0312 ppm	-0.0055 ppm
Concentration per Run	0.0003 ppm	0.0048 ppm	0.0073 ppm	-0.0045 ppm	0.0010 ppm	0.0529 ppm	-0.0040 ppm
Concentration per Run	-0.0001 ppm	0.0022 ppm	0.0015 ppm	-0.0017 ppm	0.0019 ppm	0.0637 ppm	-0.0049 ppm
Concentration RSD	207.8 %	76.1 %	88.6 %	45.0 %	32.1 %	33.6 %	16.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0006 ppm	0.0004 ppm	-0.0014 ppm	0.0177 ppm	-0.0130 ppm	0.0008 ppm	0.0218 ppm
Concentration per Run	0.0066 ppm	0.0003 ppm	-0.0027 ppm	0.0180 ppm	-0.0186 ppm	0.0003 ppm	0.0428 ppm
Concentration per Run	-0.0017 ppm	0.0005 ppm	-0.0013 ppm	0.0167 ppm	-0.0115 ppm	0.0008 ppm	-0.0002 ppm
Concentration per Run	-0.0030 ppm	0.0004 ppm	-0.0003 ppm	0.0185 ppm	-0.0090 ppm	0.0012 ppm	0.0228 ppm
Concentration RSD	831.6 %	23.9 %	83.6 %	5.1 %	38.2 %	57.2 %	98.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0037 ppm	0.0061 ppm	0.0005 ppm	-0.0001 ppm	-0.0115 ppm	0.0004 ppm	0.0033 ppm
Concentration per Run	-0.0134 ppm	-0.0014 ppm	0.0001 ppm	-0.0001 ppm	-0.0144 ppm	0.0020 ppm	0.0045 ppm
Concentration per Run	-0.0027 ppm	0.0090 ppm	-0.0030 ppm	0.0000 ppm	-0.0134 ppm	-0.0004 ppm	0.0033 ppm
Concentration per Run	0.0049 ppm	0.0108 ppm	0.0043 ppm	-0.0001 ppm	-0.0068 ppm	-0.0005 ppm	0.0023 ppm
Concentration RSD	245.6 %	107.6 %	811.5 %	57.4 %	35.9 %	357.6 %	33.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0003 ppm	19.4144 %	269.2493 %	109.7958 %	18.4410 %	263.6601 %	109.6905 %
Concentration per Run	-0.0006 ppm	11.6645 %	256.7761 %	48.0089 %	11.5833 %	249.4421 %	46.6836 %
Concentration per Run	-0.0006 ppm	17.5593 %	269.1205 %	109.5193 %	16.8521 %	266.6153 %	110.2303 %
Concentration per Run	0.0004 ppm	29.0195 %	281.8512 %	171.8593 %	26.8877 %	274.9231 %	172.1577 %
Concentration RSD	197.7 %	45.5 %	4.7 %	56.4 %	42.2 %	4.9 %	57.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LDR Fe 450
 Analysis started at: 9/24/2025 9:50:10 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 21

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0015 ppm	0.0018 ppm	-0.0013 ppm	0.0007 ppm	0.0005 ppm	0.0000 ppm	0.0063 ppm
Concentration per Run	0.0008 ppm	-0.0052 ppm	-0.0028 ppm	0.0007 ppm	0.0006 ppm	0.0000 ppm	0.0046 ppm
Concentration per Run	0.0022 ppm	0.0053 ppm	-0.0009 ppm	-0.0007 ppm	0.0004 ppm	0.0000 ppm	0.0066 ppm
Concentration per Run	0.0015 ppm	0.0052 ppm	-0.0001 ppm	0.0021 ppm	0.0006 ppm	0.0000 ppm	0.0077 ppm
Concentration RSD	47.8 %	339.3 %	110.3 %	204.1 %	25.2 %	283.9 %	25.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	-0.0010 ppm	-0.0015 ppm	-0.0063 ppm	415.5339 ppm	0.0512 ppm	-0.0019 ppm
Concentration per Run	-0.0002 ppm	-0.0012 ppm	-0.0014 ppm	-0.0071 ppm	415.2250 ppm	0.0337 ppm	-0.0020 ppm
Concentration per Run	-0.0005 ppm	-0.0005 ppm	-0.0014 ppm	-0.0048 ppm	412.6482 ppm	0.0672 ppm	-0.0019 ppm
Concentration per Run	-0.0004 ppm	-0.0011 ppm	-0.0018 ppm	-0.0069 ppm	418.7285 ppm	0.0526 ppm	-0.0018 ppm
Concentration RSD	37.6 %	40.7 %	17.2 %	20.0 %	0.7 %	32.9 %	4.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0002 ppm	-0.0036 ppm	-0.0012 ppm	0.0077 ppm	0.0017 ppm	-0.0015 ppm	0.0012 ppm
Concentration per Run	-0.0048 ppm	-0.0037 ppm	-0.0006 ppm	0.0071 ppm	0.0019 ppm	-0.0014 ppm	-0.0010 ppm
Concentration per Run	0.0028 ppm	-0.0034 ppm	-0.0017 ppm	0.0045 ppm	0.0019 ppm	-0.0027 ppm	0.0054 ppm
Concentration per Run	0.0028 ppm	-0.0038 ppm	-0.0014 ppm	0.0114 ppm	0.0012 ppm	-0.0005 ppm	-0.0008 ppm
Concentration RSD	1,821.4 %	6.4 %	48.2 %	45.7 %	26.2 %	73.5 %	296.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0034 ppm	-0.0002 ppm	0.0019 ppm	0.0004 ppm	0.0008 ppm	-0.0008 ppm	-0.0002 ppm
Concentration per Run	0.0024 ppm	0.0011 ppm	0.0029 ppm	0.0002 ppm	0.0006 ppm	-0.0018 ppm	-0.0001 ppm
Concentration per Run	-0.0057 ppm	-0.0010 ppm	0.0025 ppm	0.0005 ppm	0.0008 ppm	-0.0008 ppm	-0.0003 ppm
Concentration per Run	-0.0068 ppm	-0.0006 ppm	0.0002 ppm	0.0005 ppm	0.0009 ppm	0.0001 ppm	-0.0001 ppm
Concentration RSD	149.4 %	670.8 %	79.8 %	40.3 %	23.1 %	116.4 %	45.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0005 ppm	99.4209 %	104.1871 %	97.1937 %	96.2122 %	100.6277 %	99.7048 %
Concentration per Run	-0.0006 ppm	99.4257 %	102.8929 %	97.7416 %	95.7934 %	98.2079 %	100.3692 %
Concentration per Run	-0.0007 ppm	99.7643 %	106.2082 %	96.8309 %	96.7200 %	100.9929 %	99.4318 %
Concentration per Run	-0.0003 ppm	99.0727 %	103.4601 %	97.0085 %	96.1232 %	102.6824 %	99.3134 %
Concentration RSD	34.4 %	0.3 %	1.7 %	0.5 %	0.5 %	2.2 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557414-02d2 WG2116781
 Analysis started at: 9/24/2025 9:52:15 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 22

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0028 ppm	109.4543 ppm	0.3707 ppm	0.0213 ppm	0.4072 ppm	0.0058 ppm	321.3691 ppm
Concentration per Run	0.0039 ppm	108.3265 ppm	0.3661 ppm	0.0208 ppm	0.4028 ppm	0.0056 ppm	319.2424 ppm
Concentration per Run	0.0027 ppm	109.5438 ppm	0.3711 ppm	0.0209 ppm	0.4083 ppm	0.0058 ppm	321.1835 ppm
Concentration per Run	0.0017 ppm	110.4925 ppm	0.3750 ppm	0.0221 ppm	0.4105 ppm	0.0058 ppm	323.6814 ppm
Concentration RSD	39.6 %	1.0 %	1.2 %	3.5 %	1.0 %	1.9 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0103 ppm	0.1093 ppm	0.1860 ppm	0.5148 ppm	292.0757 ppm	5.9510 ppm	0.2990 ppm
Concentration per Run	0.0101 ppm	0.1098 ppm	0.1867 ppm	0.5142 ppm	287.2608 ppm	5.8833 ppm	0.2942 ppm
Concentration per Run	0.0103 ppm	0.1098 ppm	0.1858 ppm	0.5160 ppm	292.8065 ppm	5.9983 ppm	0.3025 ppm
Concentration per Run	0.0104 ppm	0.1084 ppm	0.1854 ppm	0.5143 ppm	296.1598 ppm	5.9714 ppm	0.3004 ppm
Concentration RSD	1.4 %	0.7 %	0.4 %	0.2 %	1.5 %	1.0 %	1.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	131.4960 ppm	6.3984 ppm	0.0098 ppm	8.0913 ppm	0.3157 ppm	0.7464 ppm	-0.0001 ppm
Concentration per Run	130.4098 ppm	6.3098 ppm	0.0097 ppm	7.9844 ppm	0.3141 ppm	0.7373 ppm	-0.0005 ppm
Concentration per Run	132.3375 ppm	6.4074 ppm	0.0097 ppm	8.0951 ppm	0.3201 ppm	0.7491 ppm	0.0003 ppm
Concentration per Run	131.7407 ppm	6.4780 ppm	0.0100 ppm	8.1944 ppm	0.3129 ppm	0.7530 ppm	-0.0002 ppm
Concentration RSD	0.8 %	1.3 %	2.1 %	1.3 %	1.2 %	1.1 %	343.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0010 ppm	6.1901 ppm	0.0288 ppm	0.5741 ppm	0.6917 ppm	-0.0005 ppm	0.3023 ppm
Concentration per Run	0.0020 ppm	6.1578 ppm	0.0270 ppm	0.5663 ppm	0.6867 ppm	-0.0002 ppm	0.3004 ppm
Concentration per Run	0.0010 ppm	6.2219 ppm	0.0316 ppm	0.5767 ppm	0.6940 ppm	0.0013 ppm	0.3048 ppm
Concentration per Run	0.0001 ppm	6.1908 ppm	0.0279 ppm	0.5793 ppm	0.6945 ppm	-0.0026 ppm	0.3017 ppm
Concentration RSD	93.8 %	0.5 %	8.4 %	1.2 %	0.6 %	411.7 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.7685 ppm	95.3152 %	104.1075 %	90.3063 %	100.0424 %	114.8850 %	105.3909 %
Concentration per Run	1.7670 ppm	95.8621 %	106.3502 %	90.9748 %	100.7595 %	115.8675 %	106.1616 %
Concentration per Run	1.7804 ppm	94.4869 %	105.8629 %	89.9844 %	98.6904 %	117.1411 %	104.9929 %
Concentration per Run	1.7582 ppm	95.5965 %	100.1094 %	89.9597 %	100.6773 %	111.6464 %	105.0182 %
Concentration RSD	0.6 %	0.8 %	3.3 %	0.6 %	1.2 %	2.5 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557414-03d2 WG2116781
 Analysis started at: 9/24/2025 9:54:20 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 23

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0018 ppm	98.9070 ppm	0.0850 ppm	0.0247 ppm	0.7559 ppm	0.0056 ppm	486.3536 ppm
Concentration per Run	0.0019 ppm	98.0710 ppm	0.0847 ppm	0.0245 ppm	0.7536 ppm	0.0056 ppm	482.5509 ppm
Concentration per Run	0.0015 ppm	98.7962 ppm	0.0827 ppm	0.0254 ppm	0.7533 ppm	0.0056 ppm	485.6494 ppm
Concentration per Run	0.0019 ppm	99.8539 ppm	0.0876 ppm	0.0243 ppm	0.7607 ppm	0.0056 ppm	490.8604 ppm
Concentration RSD	14.5 %	0.9 %	2.9 %	2.4 %	0.6 %	0.3 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0046 ppm	0.1041 ppm	0.1478 ppm	0.2932 ppm	245.3653 ppm	6.7322 ppm	0.2930 ppm
Concentration per Run	-0.0044 ppm	0.1027 ppm	0.1468 ppm	0.2916 ppm	242.5493 ppm	6.6772 ppm	0.2889 ppm
Concentration per Run	-0.0048 ppm	0.1044 ppm	0.1480 ppm	0.2926 ppm	245.8569 ppm	6.6812 ppm	0.2914 ppm
Concentration per Run	-0.0047 ppm	0.1054 ppm	0.1486 ppm	0.2954 ppm	247.6896 ppm	6.8380 ppm	0.2986 ppm
Concentration RSD	4.1 %	1.3 %	0.6 %	0.7 %	1.1 %	1.4 %	1.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	223.9513 ppm	6.3789 ppm	0.0047 ppm	16.4647 ppm	0.2281 ppm	0.1784 ppm	-0.0002 ppm
Concentration per Run	222.7508 ppm	6.3560 ppm	0.0054 ppm	16.4511 ppm	0.2263 ppm	0.1762 ppm	-0.0032 ppm
Concentration per Run	224.6093 ppm	6.3714 ppm	0.0046 ppm	16.4705 ppm	0.2286 ppm	0.1783 ppm	0.0048 ppm
Concentration per Run	224.4939 ppm	6.4091 ppm	0.0042 ppm	16.4726 ppm	0.2292 ppm	0.1808 ppm	-0.0021 ppm
Concentration RSD	0.5 %	0.4 %	13.2 %	0.1 %	0.7 %	1.3 %	2,665.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0004 ppm	5.0843 ppm	0.0091 ppm	0.9094 ppm	0.5004 ppm	-0.0026 ppm	0.1762 ppm
Concentration per Run	-0.0011 ppm	5.0596 ppm	0.0094 ppm	0.9029 ppm	0.4974 ppm	-0.0017 ppm	0.1751 ppm
Concentration per Run	-0.0030 ppm	5.1065 ppm	0.0092 ppm	0.9084 ppm	0.5017 ppm	-0.0051 ppm	0.1768 ppm
Concentration per Run	0.0027 ppm	5.0868 ppm	0.0086 ppm	0.9168 ppm	0.5022 ppm	-0.0009 ppm	0.1769 ppm
Concentration RSD	651.0 %	0.5 %	4.4 %	0.8 %	0.5 %	86.8 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7365 ppm	90.0106 %	103.2019 %	86.3410 %	94.6518 %	108.6208 %	100.8379 %
Concentration per Run	0.7320 ppm	89.6544 %	103.6052 %	86.5014 %	94.3779 %	109.0844 %	100.8922 %
Concentration per Run	0.7388 ppm	90.0382 %	102.9934 %	87.1155 %	94.5407 %	108.8695 %	101.8027 %
Concentration per Run	0.7386 ppm	90.3391 %	103.0070 %	85.4062 %	95.0368 %	107.9085 %	99.8187 %
Concentration RSD	0.5 %	0.4 %	0.3 %	1.0 %	0.4 %	0.6 %	1.0 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557414-04d2 WG2116781
 Analysis started at: 9/24/2025 9:56:24 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 24

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0012 ppm	102.0688 ppm	0.0736 ppm	0.0163 ppm	0.5649 ppm	0.0057 ppm	143.9430 ppm
Concentration per Run	0.0016 ppm	103.8911 ppm	0.0717 ppm	0.0158 ppm	0.5745 ppm	0.0057 ppm	146.7830 ppm
Concentration per Run	0.0010 ppm	102.0713 ppm	0.0777 ppm	0.0158 ppm	0.5640 ppm	0.0057 ppm	143.9630 ppm
Concentration per Run	0.0009 ppm	100.2439 ppm	0.0714 ppm	0.0174 ppm	0.5561 ppm	0.0056 ppm	141.0829 ppm
Concentration RSD	31.9 %	1.8 %	4.9 %	5.6 %	1.6 %	1.1 %	2.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0008 ppm	0.0985 ppm	0.1488 ppm	0.2807 ppm	256.8333 ppm	6.3813 ppm	0.2457 ppm
Concentration per Run	-0.0007 ppm	0.0983 ppm	0.1496 ppm	0.2812 ppm	261.5003 ppm	6.5181 ppm	0.2567 ppm
Concentration per Run	-0.0009 ppm	0.0981 ppm	0.1484 ppm	0.2813 ppm	257.1077 ppm	6.3524 ppm	0.2410 ppm
Concentration per Run	-0.0008 ppm	0.0991 ppm	0.1483 ppm	0.2797 ppm	251.8918 ppm	6.2733 ppm	0.2393 ppm
Concentration RSD	11.5 %	0.5 %	0.5 %	0.3 %	1.9 %	2.0 %	3.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	86.5621 ppm	7.7370 ppm	0.0057 ppm	9.0029 ppm	0.2442 ppm	0.1390 ppm	-0.0036 ppm
Concentration per Run	86.6474 ppm	7.8876 ppm	0.0056 ppm	9.0082 ppm	0.2448 ppm	0.1405 ppm	-0.0033 ppm
Concentration per Run	86.3202 ppm	7.7516 ppm	0.0062 ppm	9.0025 ppm	0.2424 ppm	0.1377 ppm	-0.0039 ppm
Concentration per Run	86.7187 ppm	7.5717 ppm	0.0054 ppm	8.9981 ppm	0.2454 ppm	0.1388 ppm	-0.0036 ppm
Concentration RSD	0.2 %	2.0 %	7.7 %	0.1 %	0.7 %	1.0 %	7.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0016 ppm	2.9982 ppm	0.0067 ppm	0.4956 ppm	0.6086 ppm	-0.0004 ppm	0.1741 ppm
Concentration per Run	-0.0049 ppm	3.0014 ppm	0.0071 ppm	0.5018 ppm	0.6096 ppm	0.0014 ppm	0.1741 ppm
Concentration per Run	-0.0004 ppm	2.9870 ppm	0.0064 ppm	0.4934 ppm	0.6050 ppm	-0.0003 ppm	0.1735 ppm
Concentration per Run	0.0005 ppm	3.0062 ppm	0.0066 ppm	0.4917 ppm	0.6112 ppm	-0.0023 ppm	0.1748 ppm
Concentration RSD	186.2 %	0.3 %	5.2 %	1.1 %	0.5 %	439.7 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6634 ppm	96.8158 %	104.2888 %	93.0147 %	102.7552 %	113.3075 %	107.2027 %
Concentration per Run	0.6640 ppm	96.9704 %	102.8646 %	92.2986 %	102.3942 %	110.0186 %	106.3485 %
Concentration per Run	0.6612 ppm	96.3916 %	104.3002 %	93.3941 %	102.5947 %	113.7322 %	107.7627 %
Concentration per Run	0.6649 ppm	97.0853 %	105.7016 %	93.3512 %	103.2768 %	116.1718 %	107.4969 %
Concentration RSD	0.3 %	0.4 %	1.4 %	0.7 %	0.5 %	2.7 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557514-04d2 WG2116781
 Analysis started at: 9/24/2025 9:58:29 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 25

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	161.7668 ppm	0.0311 ppm	0.0331 ppm	1.5497 ppm	0.0064 ppm	47.1939 ppm
Concentration per Run	0.0002 ppm	163.0715 ppm	0.0270 ppm	0.0301 ppm	1.5676 ppm	0.0064 ppm	47.4909 ppm
Concentration per Run	0.0013 ppm	160.5562 ppm	0.0342 ppm	0.0346 ppm	1.5255 ppm	0.0064 ppm	46.7890 ppm
Concentration per Run	0.0008 ppm	161.6727 ppm	0.0320 ppm	0.0346 ppm	1.5561 ppm	0.0063 ppm	47.3017 ppm
Concentration RSD	73.6 %	0.8 %	11.8 %	7.9 %	1.4 %	1.0 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0017 ppm	0.0897 ppm	0.2532 ppm	0.1637 ppm	207.1750 ppm	28.5405 ppm	0.1512 ppm
Concentration per Run	0.0017 ppm	0.0890 ppm	0.2518 ppm	0.1636 ppm	210.2179 ppm	28.7187 ppm	0.1560 ppm
Concentration per Run	0.0018 ppm	0.0906 ppm	0.2537 ppm	0.1638 ppm	203.6641 ppm	28.1880 ppm	0.1461 ppm
Concentration per Run	0.0017 ppm	0.0895 ppm	0.2541 ppm	0.1635 ppm	207.6430 ppm	28.7148 ppm	0.1513 ppm
Concentration RSD	4.4 %	0.9 %	0.5 %	0.1 %	1.6 %	1.1 %	3.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	63.2192 ppm	4.8297 ppm	0.0168 ppm	1.1376 ppm	0.1818 ppm	0.1329 ppm	-0.0048 ppm
Concentration per Run	63.2502 ppm	4.8707 ppm	0.0166 ppm	1.1532 ppm	0.1808 ppm	0.1314 ppm	-0.0032 ppm
Concentration per Run	63.1954 ppm	4.7973 ppm	0.0169 ppm	1.1359 ppm	0.1827 ppm	0.1355 ppm	-0.0047 ppm
Concentration per Run	63.2121 ppm	4.8211 ppm	0.0168 ppm	1.1236 ppm	0.1818 ppm	0.1319 ppm	-0.0065 ppm
Concentration RSD	0.0 %	0.8 %	0.9 %	1.3 %	0.5 %	1.7 %	33.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0007 ppm	5.2056 ppm	0.0172 ppm	0.1642 ppm	8.4284 ppm	0.0012 ppm	0.3648 ppm
Concentration per Run	0.0018 ppm	5.2234 ppm	0.0178 ppm	0.1664 ppm	8.4372 ppm	0.0024 ppm	0.3646 ppm
Concentration per Run	0.0061 ppm	5.2073 ppm	0.0166 ppm	0.1610 ppm	8.4101 ppm	0.0004 ppm	0.3647 ppm
Concentration per Run	-0.0059 ppm	5.1861 ppm	0.0171 ppm	0.1651 ppm	8.4380 ppm	0.0009 ppm	0.3651 ppm
Concentration RSD	934.1 %	0.4 %	3.7 %	1.7 %	0.2 %	82.8 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7211 ppm	98.1541 %	104.5718 %	94.8529 %	103.0011 %	111.9756 %	108.5624 %
Concentration per Run	0.7223 ppm	97.8872 %	103.2656 %	95.4546 %	102.9102 %	111.7294 %	109.1437 %
Concentration per Run	0.7218 ppm	98.4854 %	105.4852 %	94.8249 %	102.9086 %	112.9043 %	108.6251 %
Concentration per Run	0.7192 ppm	98.0897 %	104.9645 %	94.2791 %	103.1844 %	111.2932 %	107.9185 %
Concentration RSD	0.2 %	0.3 %	1.1 %	0.6 %	0.2 %	0.7 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557514-05d2 WG2116781
 Analysis started at: 9/24/2025 10:00:34 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 26

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	263.4046 ppm	0.0366 ppm	0.0413 ppm	2.8380 ppm	0.0091 ppm	53.8332 ppm
Concentration per Run	-0.0003 ppm	265.4657 ppm	0.0356 ppm	0.0436 ppm	2.8463 ppm	0.0092 ppm	53.9996 ppm
Concentration per Run	0.0005 ppm	262.1709 ppm	0.0374 ppm	0.0426 ppm	2.8311 ppm	0.0089 ppm	53.4671 ppm
Concentration per Run	0.0009 ppm	262.5771 ppm	0.0369 ppm	0.0378 ppm	2.8368 ppm	0.0091 ppm	54.0330 ppm
Concentration RSD	154.8 %	0.7 %	2.6 %	7.5 %	0.3 %	1.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	0.1383 ppm	0.4154 ppm	0.2522 ppm	312.3751 ppm	48.9279 ppm	0.2344 ppm
Concentration per Run	0.0001 ppm	0.1380 ppm	0.4114 ppm	0.2505 ppm	314.5452 ppm	48.9870 ppm	0.2381 ppm
Concentration per Run	0.0000 ppm	0.1378 ppm	0.4148 ppm	0.2521 ppm	311.7319 ppm	48.6644 ppm	0.2325 ppm
Concentration per Run	0.0004 ppm	0.1390 ppm	0.4200 ppm	0.2539 ppm	310.8481 ppm	49.1324 ppm	0.2325 ppm
Concentration RSD	102.2 %	0.5 %	1.0 %	0.7 %	0.6 %	0.5 %	1.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	108.8684 ppm	6.2017 ppm	0.0140 ppm	2.0508 ppm	0.3145 ppm	0.1021 ppm	-0.0038 ppm
Concentration per Run	108.8816 ppm	6.2072 ppm	0.0140 ppm	2.0658 ppm	0.3121 ppm	0.1022 ppm	-0.0042 ppm
Concentration per Run	108.9509 ppm	6.1695 ppm	0.0143 ppm	2.0429 ppm	0.3155 ppm	0.1012 ppm	-0.0046 ppm
Concentration per Run	108.7727 ppm	6.2284 ppm	0.0136 ppm	2.0438 ppm	0.3159 ppm	0.1029 ppm	-0.0026 ppm
Concentration RSD	0.1 %	0.5 %	2.6 %	0.6 %	0.7 %	0.8 %	27.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0035 ppm	4.1587 ppm	0.0232 ppm	0.2583 ppm	15.3642 ppm	0.0045 ppm	0.5560 ppm
Concentration per Run	-0.0046 ppm	4.1664 ppm	0.0249 ppm	0.2599 ppm	15.3892 ppm	0.0029 ppm	0.5559 ppm
Concentration per Run	0.0020 ppm	4.1527 ppm	0.0230 ppm	0.2579 ppm	15.3571 ppm	0.0057 ppm	0.5545 ppm
Concentration per Run	-0.0078 ppm	4.1569 ppm	0.0218 ppm	0.2572 ppm	15.3464 ppm	0.0047 ppm	0.5576 ppm
Concentration RSD	142.6 %	0.2 %	6.7 %	0.6 %	0.1 %	32.4 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8329 ppm	96.4829 %	104.1042 %	92.5225 %	104.1491 %	112.6237 %	109.5805 %
Concentration per Run	0.8285 ppm	96.8813 %	102.3473 %	92.7437 %	105.3060 %	110.9930 %	109.3910 %
Concentration per Run	0.8336 ppm	96.8801 %	105.5401 %	92.4254 %	104.3130 %	114.1606 %	109.6505 %
Concentration per Run	0.8365 ppm	95.6873 %	104.4253 %	92.3984 %	102.8283 %	112.7174 %	109.7000 %
Concentration RSD	0.5 %	0.7 %	1.6 %	0.2 %	1.2 %	1.4 %	0.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: xL2557514-06d2 WG2116781
 Analysis started at: 9/24/2025 10:02:39 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 27

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0005 ppm	42.8658 ppm	0.0550 ppm	0.0405 ppm	0.4610 ppm	0.0025 ppm	1,217.7803 [SIC 1000]
Concentration per Run	-0.0004 ppm	42.5808 ppm	0.0550 ppm	0.0385 ppm	0.4577 ppm	0.0025 ppm	1,208.4510 ppm
Concentration per Run	-0.0001 ppm	42.9425 ppm	0.0546 ppm	0.0384 ppm	0.4633 ppm	0.0025 ppm	1,226.0479 ppm
Concentration per Run	-0.0010 ppm	43.0742 ppm	0.0555 ppm	0.0445 ppm	0.4620 ppm	0.0025 ppm	1,218.8418 ppm
Concentration RSD	95.5 %	0.6 %	0.8 %	8.6 %	0.6 %	1.0 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0141 ppm	0.0503 ppm	0.1191 ppm	0.1319 ppm	120.2156 ppm	10.7683 ppm	0.1651 ppm
Concentration per Run	-0.0138 ppm	0.0507 ppm	0.1177 ppm	0.1319 ppm	119.3943 ppm	10.7219 ppm	0.1655 ppm
Concentration per Run	-0.0144 ppm	0.0492 ppm	0.1203 ppm	0.1313 ppm	120.8872 ppm	10.7810 ppm	0.1601 ppm
Concentration per Run	-0.0143 ppm	0.0510 ppm	0.1192 ppm	0.1325 ppm	120.3654 ppm	10.8020 ppm	0.1697 ppm
Concentration RSD	2.2 %	1.9 %	1.1 %	0.4 %	0.6 %	0.4 %	2.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	456.5455 ppm	4.5893 ppm	0.0236 ppm	2.0089 ppm	0.1291 ppm	0.1032 ppm	-0.0039 ppm
Concentration per Run	452.9299 ppm	4.5844 ppm	0.0240 ppm	1.9873 ppm	0.1288 ppm	0.1020 ppm	0.0089 ppm
Concentration per Run	457.6560 ppm	4.6020 ppm	0.0235 ppm	2.0291 ppm	0.1298 ppm	0.1035 ppm	-0.0080 ppm
Concentration per Run	459.0505 ppm	4.5815 ppm	0.0231 ppm	2.0104 ppm	0.1288 ppm	0.1042 ppm	-0.0127 ppm
Concentration RSD	0.7 %	0.2 %	1.9 %	1.0 %	0.4 %	1.1 %	289.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0028 ppm	4.7521 ppm	0.0077 ppm	1.4153 ppm	1.8809 ppm	-0.0010 ppm	0.1408 ppm
Concentration per Run	0.0011 ppm	4.7245 ppm	0.0081 ppm	1.4056 ppm	1.8577 ppm	-0.0037 ppm	0.1396 ppm
Concentration per Run	-0.0060 ppm	4.7759 ppm	0.0080 ppm	1.4256 ppm	1.8907 ppm	0.0021 ppm	0.1414 ppm
Concentration per Run	-0.0034 ppm	4.7559 ppm	0.0068 ppm	1.4147 ppm	1.8943 ppm	-0.0015 ppm	0.1415 ppm
Concentration RSD	129.3 %	0.5 %	9.3 %	0.7 %	1.1 %	294.6 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2069 ppm	84.5313 %	97.8602 %	79.5687 %	89.8846 %	105.2388 %	94.8228 %
Concentration per Run	0.2080 ppm	85.2104 %	98.2562 %	79.1314 %	90.4622 %	104.9568 %	94.1604 %
Concentration per Run	0.2050 ppm	84.1024 %	97.0184 %	79.4621 %	89.6562 %	105.3389 %	94.7688 %
Concentration per Run	0.2078 ppm	84.2810 %	98.3059 %	80.1126 %	89.5355 %	105.4207 %	95.5394 %
Concentration RSD	0.8 %	0.7 %	0.7 %	0.6 %	0.6 %	0.2 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558239-01d2 WG2116781
 Analysis started at: 9/24/2025 10:04:44 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 28

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0028 ppm	78.5390 ppm	0.1406 ppm	0.0436 ppm	1.2123 ppm	0.0052 ppm	82.0515 ppm
Concentration per Run	0.0031 ppm	78.6868 ppm	0.1386 ppm	0.0398 ppm	1.2144 ppm	0.0052 ppm	82.1167 ppm
Concentration per Run	0.0030 ppm	78.7672 ppm	0.1396 ppm	0.0468 ppm	1.2134 ppm	0.0051 ppm	82.3466 ppm
Concentration per Run	0.0022 ppm	78.1630 ppm	0.1435 ppm	0.0440 ppm	1.2090 ppm	0.0052 ppm	81.6912 ppm
Concentration RSD	17.9 %	0.4 %	1.8 %	8.1 %	0.2 %	0.6 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0025 ppm	0.0844 ppm	0.2240 ppm	0.4452 ppm	215.9848 ppm	17.7733 ppm	0.1319 ppm
Concentration per Run	0.0026 ppm	0.0840 ppm	0.2235 ppm	0.4441 ppm	215.9333 ppm	17.7813 ppm	0.1331 ppm
Concentration per Run	0.0024 ppm	0.0837 ppm	0.2227 ppm	0.4442 ppm	216.6075 ppm	17.8579 ppm	0.1306 ppm
Concentration per Run	0.0025 ppm	0.0853 ppm	0.2260 ppm	0.4473 ppm	215.4135 ppm	17.6806 ppm	0.1320 ppm
Concentration RSD	4.1 %	1.0 %	0.8 %	0.4 %	0.3 %	0.5 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	35.0333 ppm	2.8290 ppm	0.0114 ppm	3.0854 ppm	0.1804 ppm	7.0415 ppm	0.0112 ppm
Concentration per Run	34.9674 ppm	2.8373 ppm	0.0117 ppm	3.0908 ppm	0.1800 ppm	7.0672 ppm	0.0151 ppm
Concentration per Run	35.0289 ppm	2.8290 ppm	0.0114 ppm	3.0954 ppm	0.1796 ppm	7.0437 ppm	0.0088 ppm
Concentration per Run	35.1035 ppm	2.8208 ppm	0.0113 ppm	3.0701 ppm	0.1816 ppm	7.0138 ppm	0.0097 ppm
Concentration RSD	0.2 %	0.3 %	1.7 %	0.4 %	0.6 %	0.4 %	30.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0034 ppm	9.0933 ppm	0.1113 ppm	0.3115 ppm	3.7408 ppm	0.0007 ppm	0.3365 ppm
Concentration per Run	0.0025 ppm	9.0628 ppm	0.1107 ppm	0.3118 ppm	3.7297 ppm	0.0024 ppm	0.3358 ppm
Concentration per Run	0.0024 ppm	9.0753 ppm	0.1101 ppm	0.3125 ppm	3.7407 ppm	0.0000 ppm	0.3359 ppm
Concentration per Run	0.0053 ppm	9.1416 ppm	0.1130 ppm	0.3102 ppm	3.7519 ppm	-0.0003 ppm	0.3378 ppm
Concentration RSD	48.4 %	0.5 %	1.3 %	0.4 %	0.3 %	199.6 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	4.7167 ppm	99.3635 %	106.1478 %	95.4590 %	103.4940 %	111.3669 %	107.1596 %
Concentration per Run	4.7158 ppm	99.9864 %	105.0702 %	94.8797 %	103.6687 %	110.5371 %	106.4088 %
Concentration per Run	4.6973 ppm	99.9691 %	105.4855 %	95.9164 %	104.1936 %	110.3683 %	107.7484 %
Concentration per Run	4.7370 ppm	98.1351 %	107.8876 %	95.5808 %	102.6197 %	113.1952 %	107.3216 %
Concentration RSD	0.4 %	1.1 %	1.4 %	0.6 %	0.8 %	1.4 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558498-03d2 WG2118041
 Analysis started at: 9/24/2025 10:06:48 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 29

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0017 ppm	62.8317 ppm	0.1165 ppm	0.0066 ppm	0.5174 ppm	0.0024 ppm	4.1909 ppm
Concentration per Run	0.0022 ppm	62.6454 ppm	0.1150 ppm	0.0054 ppm	0.5151 ppm	0.0024 ppm	4.1892 ppm
Concentration per Run	0.0015 ppm	62.9500 ppm	0.1164 ppm	0.0071 ppm	0.5193 ppm	0.0024 ppm	4.2052 ppm
Concentration per Run	0.0013 ppm	62.8997 ppm	0.1183 ppm	0.0072 ppm	0.5177 ppm	0.0024 ppm	4.1782 ppm
Concentration RSD	26.5 %	0.3 %	1.4 %	14.9 %	0.4 %	1.1 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0020 ppm	0.0565 ppm	0.0610 ppm	0.0409 ppm	136.2159 ppm	2.7164 ppm	0.0797 ppm
Concentration per Run	0.0019 ppm	0.0568 ppm	0.0617 ppm	0.0402 ppm	134.8501 ppm	2.7233 ppm	0.0811 ppm
Concentration per Run	0.0021 ppm	0.0570 ppm	0.0608 ppm	0.0413 ppm	137.1968 ppm	2.7080 ppm	0.0788 ppm
Concentration per Run	0.0021 ppm	0.0555 ppm	0.0606 ppm	0.0411 ppm	136.6009 ppm	2.7181 ppm	0.0792 ppm
Concentration RSD	5.4 %	1.5 %	0.9 %	1.4 %	0.9 %	0.3 %	1.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	7.1290 ppm	12.9359 ppm	0.0028 ppm	0.0743 ppm	0.0467 ppm	0.4009 ppm	0.0026 ppm
Concentration per Run	7.1950 ppm	12.8971 ppm	0.0024 ppm	0.0725 ppm	0.0465 ppm	0.3995 ppm	-0.0002 ppm
Concentration per Run	7.1219 ppm	13.0044 ppm	0.0026 ppm	0.0758 ppm	0.0477 ppm	0.4007 ppm	0.0037 ppm
Concentration per Run	7.0699 ppm	12.9062 ppm	0.0034 ppm	0.0745 ppm	0.0461 ppm	0.4026 ppm	0.0044 ppm
Concentration RSD	0.9 %	0.5 %	19.7 %	2.2 %	1.8 %	0.4 %	93.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0031 ppm	3.1586 ppm	0.0104 ppm	0.0226 ppm	0.2948 ppm	-0.0026 ppm	0.1375 ppm
Concentration per Run	0.0006 ppm	3.1939 ppm	0.0105 ppm	0.0224 ppm	0.2993 ppm	-0.0028 ppm	0.1387 ppm
Concentration per Run	0.0058 ppm	3.1566 ppm	0.0114 ppm	0.0229 ppm	0.2936 ppm	-0.0022 ppm	0.1372 ppm
Concentration per Run	0.0028 ppm	3.1252 ppm	0.0091 ppm	0.0224 ppm	0.2916 ppm	-0.0028 ppm	0.1366 ppm
Concentration RSD	85.2 %	1.1 %	11.4 %	1.3 %	1.4 %	13.4 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3322 ppm	98.0905 %	101.6272 %	96.4457 %	95.9736 %	99.0169 %	99.8005 %
Concentration per Run	0.3351 ppm	96.6925 %	101.9967 %	96.7430 %	94.6854 %	100.7160 %	100.2364 %
Concentration per Run	0.3319 ppm	98.9785 %	102.0358 %	96.5569 %	96.8073 %	99.6983 %	99.8790 %
Concentration per Run	0.3295 ppm	98.6006 %	100.8492 %	96.0372 %	96.4281 %	96.6366 %	99.2862 %
Concentration RSD	0.9 %	1.2 %	0.7 %	0.4 %	1.2 %	2.1 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 10:08:53 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4985 ppm	0.4776 ppm	0.4805 ppm	0.4939 ppm	0.4973 ppm	0.5076 ppm	0.5133 ppm
Concentration per Run	0.4958 ppm	0.4790 ppm	0.4781 ppm	0.4876 ppm	0.4998 ppm	0.5068 ppm	0.5114 ppm
Concentration per Run	0.5002 ppm	0.4755 ppm	0.4834 ppm	0.4974 ppm	0.4978 ppm	0.5085 ppm	0.5101 ppm
Concentration per Run	0.4993 ppm	0.4784 ppm	0.4801 ppm	0.4968 ppm	0.4944 ppm	0.5073 ppm	0.5183 ppm
Recovery Percentage	99.690 %	95.522 %	96.108 %	98.785 %	99.465 %	101.510 %	102.654 %
Concentration RSD	0.5 %	0.4 %	0.6 %	1.1 %	0.5 %	0.2 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5076 ppm	0.5156 ppm	0.5049 ppm	0.5148 ppm	0.5064 ppm	5.2421 ppm	0.5144 ppm
Concentration per Run	0.5043 ppm	0.5119 ppm	0.5014 ppm	0.5116 ppm	0.5047 ppm	5.2333 ppm	0.5163 ppm
Concentration per Run	0.5095 ppm	0.5189 ppm	0.5080 ppm	0.5176 ppm	0.5083 ppm	5.2770 ppm	0.5158 ppm
Concentration per Run	0.5091 ppm	0.5161 ppm	0.5053 ppm	0.5153 ppm	0.5063 ppm	5.2159 ppm	0.5111 ppm
Recovery Percentage	101.527 %	103.122 %	100.981 %	102.966 %	101.288 %	104.841 %	102.877 %
Concentration RSD	0.6 %	0.7 %	0.7 %	0.6 %	0.4 %	0.6 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5086 ppm	0.5120 ppm	0.4960 ppm	10.0728 ppm	0.5206 ppm	0.5042 ppm	0.5120 ppm
Concentration per Run	0.5081 ppm	0.5114 ppm	0.4939 ppm	10.1067 ppm	0.5166 ppm	0.5028 ppm	0.5073 ppm
Concentration per Run	0.5102 ppm	0.5125 ppm	0.4965 ppm	10.0930 ppm	0.5229 ppm	0.5029 ppm	0.5220 ppm
Concentration per Run	0.5074 ppm	0.5120 ppm	0.4977 ppm	10.0189 ppm	0.5222 ppm	0.5070 ppm	0.5065 ppm
Recovery Percentage	101.717 %	102.391 %	99.207 %	100.728 %	104.118 %	100.840 %	102.390 %
Concentration RSD	0.3 %	0.1 %	0.4 %	0.5 %	0.7 %	0.5 %	1.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4858 ppm	5.3928 ppm	0.4978 ppm	0.5004 ppm	0.5029 ppm	0.5062 ppm	0.5088 ppm
Concentration per Run	0.4838 ppm	5.3531 ppm	0.4948 ppm	0.5007 ppm	0.5006 ppm	0.5056 ppm	0.5055 ppm
Concentration per Run	0.4858 ppm	5.4158 ppm	0.4971 ppm	0.5007 ppm	0.5050 ppm	0.5061 ppm	0.5107 ppm
Concentration per Run	0.4879 ppm	5.4094 ppm	0.5017 ppm	0.4997 ppm	0.5033 ppm	0.5071 ppm	0.5102 ppm
Recovery Percentage	97.166 %	102.720 %	99.569 %	100.074 %	100.589 %	101.248 %	101.763 %
Concentration RSD	0.4 %	0.6 %	0.7 %	0.1 %	0.4 %	0.2 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5149 ppm	97.0358 %	97.9638 %	98.7952 %	93.9558 %	95.3300 %	97.8418 %
Concentration per Run	0.5119 ppm	97.1911 %	97.1953 %	98.9746 %	94.1055 %	95.2595 %	98.0674 %
Concentration per Run	0.5168 ppm	96.8982 %	97.4906 %	99.0795 %	93.8138 %	95.1727 %	98.1985 %
Concentration per Run	0.5159 ppm	97.0182 %	99.2054 %	98.3313 %	93.9482 %	95.5578 %	97.2596 %
Recovery Percentage	102.970 %						
Concentration RSD	0.5 %	0.2 %	1.1 %	0.4 %	0.2 %	0.2 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 10:10:57 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0010 ppm	-0.0026 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0102 ppm
Concentration per Run	0.0007 ppm	-0.0008 ppm	-0.0006 ppm	-0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0072 ppm
Concentration per Run	-0.0002 ppm	0.0066 ppm	-0.0028 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0073 ppm
Concentration per Run	-0.0001 ppm	-0.0029 ppm	-0.0045 ppm	0.0023 ppm	0.0001 ppm	0.0001 ppm	0.0161 ppm
Recovery Percentage	1.520 %	0.990 %	-52.979 %	0.921 %	0.662 %	0.981 %	10.196 %
Concentration RSD	464.8 %	505.7 %	73.7 %	651.0 %	148.0 %	83.2 %	50.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0010 ppm	0.0002 ppm	-0.0001 ppm	0.0030 ppm	0.0150 ppm	-0.0022 ppm
Concentration per Run	-0.0001 ppm	-0.0007 ppm	0.0010 ppm	0.0002 ppm	0.0033 ppm	0.0078 ppm	-0.0017 ppm
Concentration per Run	0.0000 ppm	-0.0018 ppm	0.0004 ppm	0.0000 ppm	0.0028 ppm	0.0217 ppm	-0.0007 ppm
Concentration per Run	0.0002 ppm	-0.0005 ppm	-0.0008 ppm	-0.0005 ppm	0.0027 ppm	0.0156 ppm	-0.0042 ppm
Recovery Percentage	1.289 %	-5.050 %	2.104 %	-0.973 %	5.936 %	0.601 %	-43.629 %
Concentration RSD	214.0 %	68.3 %	421.3 %	329.0 %	11.0 %	46.6 %	83.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0016 ppm	0.0002 ppm	0.0008 ppm	-0.0006 ppm	0.0000 ppm	0.0012 ppm	-0.0001 ppm
Concentration per Run	-0.0012 ppm	0.0002 ppm	0.0011 ppm	0.0058 ppm	0.0000 ppm	0.0024 ppm	-0.0012 ppm
Concentration per Run	0.0027 ppm	0.0002 ppm	0.0011 ppm	0.0001 ppm	0.0004 ppm	0.0007 ppm	-0.0022 ppm
Concentration per Run	0.0033 ppm	0.0001 ppm	0.0003 ppm	-0.0075 ppm	-0.0003 ppm	0.0004 ppm	0.0029 ppm
Recovery Percentage	1.579 %	1.823 %	1.623 %	-0.028 %	0.122 %	11.664 %	-0.290 %
Concentration RSD	152.4 %	22.5 %	60.0 %	1,182.2 %	1,177.2 %	95.1 %	1,853.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0009 ppm	0.0015 ppm	-0.0005 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run	0.0020 ppm	0.0050 ppm	-0.0012 ppm	-0.0001 ppm	0.0004 ppm	0.0016 ppm	-0.0002 ppm
Concentration per Run	-0.0028 ppm	0.0031 ppm	-0.0002 ppm	-0.0001 ppm	0.0002 ppm	-0.0020 ppm	0.0000 ppm
Concentration per Run	-0.0021 ppm	-0.0034 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0006 ppm	0.0003 ppm
Recovery Percentage	-9.422 %	0.309 %	-0.904 %	-0.793 %	2.434 %	0.350 %	0.228 %
Concentration RSD	275.3 %	284.2 %	144.1 %	40.1 %	50.7 %	2,692.2 %	954.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0009 ppm	94.8676 %	97.7439 %	97.6695 %	93.9553 %	95.1284 %	97.8503 %
Concentration per Run	0.0008 ppm	94.6201 %	98.5225 %	97.7368 %	93.4791 %	97.5549 %	97.9805 %
Concentration per Run	0.0010 ppm	95.2350 %	98.5062 %	97.5489 %	94.6284 %	93.8616 %	97.6440 %
Concentration per Run	0.0009 ppm	94.7476 %	96.2030 %	97.7229 %	93.7584 %	93.9686 %	97.9265 %
Recovery Percentage	17.843 %						
Concentration RSD	10.6 %	0.3 %	1.4 %	0.1 %	0.6 %	2.2 %	0.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118128-1 WG2118128
 Analysis started at: 9/24/2025 10:49:32 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 31

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	-0.0049 ppm	-0.0002 ppm	-0.0021 ppm	0.0005 ppm	0.0001 ppm	0.0273 ppm
Concentration per Run	0.0009 ppm	-0.0045 ppm	-0.0002 ppm	-0.0010 ppm	0.0005 ppm	0.0000 ppm	0.0238 ppm
Concentration per Run	0.0008 ppm	-0.0037 ppm	-0.0010 ppm	-0.0022 ppm	0.0006 ppm	0.0001 ppm	0.0314 ppm
Concentration per Run	0.0007 ppm	-0.0064 ppm	0.0004 ppm	-0.0032 ppm	0.0004 ppm	0.0001 ppm	0.0266 ppm
Concentration RSD	17.4 %	29.0 %	297.0 %	50.7 %	18.6 %	101.7 %	14.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0000 ppm	0.0007 ppm	0.0392 ppm	0.0196 ppm	-0.0017 ppm
Concentration per Run	-0.0001 ppm	-0.0010 ppm	0.0002 ppm	0.0009 ppm	0.0407 ppm	0.0108 ppm	-0.0009 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0006 ppm	0.0395 ppm	0.0050 ppm	-0.0003 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0006 ppm	0.0375 ppm	0.0430 ppm	-0.0039 ppm
Concentration RSD	88.6 %	241.8 %	723.7 %	28.0 %	4.1 %	104.4 %	114.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0039 ppm	0.0009 ppm	0.0006 ppm	0.0132 ppm	-0.0006 ppm	0.0007 ppm	0.0030 ppm
Concentration per Run	0.0059 ppm	0.0006 ppm	0.0005 ppm	0.0166 ppm	-0.0002 ppm	0.0016 ppm	0.0078 ppm
Concentration per Run	0.0020 ppm	0.0011 ppm	0.0006 ppm	0.0105 ppm	-0.0002 ppm	0.0014 ppm	0.0037 ppm
Concentration per Run	0.0038 ppm	0.0011 ppm	0.0007 ppm	0.0126 ppm	-0.0015 ppm	-0.0010 ppm	-0.0024 ppm
Concentration RSD	49.7 %	27.3 %	14.9 %	23.3 %	125.2 %	224.7 %	168.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0023 ppm	0.0161 ppm	0.0147 ppm	-0.0001 ppm	0.0010 ppm	-0.0002 ppm	-0.0003 ppm
Concentration per Run	0.0003 ppm	0.0162 ppm	0.0131 ppm	-0.0002 ppm	0.0013 ppm	-0.0014 ppm	-0.0006 ppm
Concentration per Run	-0.0032 ppm	0.0144 ppm	0.0167 ppm	0.0000 ppm	0.0008 ppm	0.0019 ppm	-0.0003 ppm
Concentration per Run	-0.0038 ppm	0.0177 ppm	0.0142 ppm	-0.0002 ppm	0.0008 ppm	-0.0009 ppm	-0.0001 ppm
Concentration RSD	98.5 %	10.2 %	12.9 %	94.6 %	30.0 %	1,157.1 %	79.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0017 ppm	104.9330 %	109.8577 %	104.6619 %	103.6521 %	108.4423 %	106.4513 %
Concentration per Run	0.0014 ppm	103.9442 %	109.5675 %	104.0491 %	102.1677 %	108.1006 %	105.6942 %
Concentration per Run	0.0018 ppm	104.5669 %	110.2800 %	104.8514 %	103.0312 %	108.3262 %	106.5750 %
Concentration per Run	0.0017 ppm	106.2879 %	109.7256 %	105.0850 %	105.7575 %	108.9000 %	107.0848 %
Concentration RSD	12.6 %	1.2 %	0.3 %	0.5 %	1.8 %	0.4 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118128-2d2 WG2118128
 Analysis started at: 9/24/2025 10:51:48 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 32

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0540 ppm	2.2018 ppm	0.1280 ppm	1.0568 ppm	2.1623 ppm	0.0554 ppm	11.2173 ppm
Concentration per Run	0.0539 ppm	2.2292 ppm	0.1282 ppm	1.0549 ppm	2.1866 ppm	0.0559 ppm	11.3305 ppm
Concentration per Run	0.0541 ppm	2.1908 ppm	0.1286 ppm	1.0554 ppm	2.1600 ppm	0.0553 ppm	11.1921 ppm
Concentration per Run	0.0541 ppm	2.1853 ppm	0.1272 ppm	1.0602 ppm	2.1402 ppm	0.0550 ppm	11.1294 ppm
Concentration RSD	0.3 %	1.1 %	0.5 %	0.3 %	1.1 %	0.8 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0559 ppm	0.5358 ppm	0.2137 ppm	0.2705 ppm	1.1090 ppm	11.1548 ppm	0.0005 ppm
Concentration per Run	0.0560 ppm	0.5345 ppm	0.2144 ppm	0.2704 ppm	1.1160 ppm	11.2398 ppm	0.0015 ppm
Concentration per Run	0.0556 ppm	0.5374 ppm	0.2138 ppm	0.2706 ppm	1.1094 ppm	11.1800 ppm	-0.0021 ppm
Concentration per Run	0.0561 ppm	0.5354 ppm	0.2127 ppm	0.2705 ppm	1.1015 ppm	11.0446 ppm	0.0022 ppm
Concentration RSD	0.5 %	0.3 %	0.4 %	0.0 %	0.7 %	0.9 %	428.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.7321 ppm	0.5473 ppm	1.0682 [SIC xx]	11.0261 ppm	0.5451 ppm	0.5722 ppm	0.5414 ppm
Concentration per Run	10.6968 ppm	0.5512 ppm	1.0696 ppm	11.0092 ppm	0.5453 ppm	0.5749 ppm	0.5431 ppm
Concentration per Run	10.7580 ppm	0.5475 ppm	1.0676 ppm	11.1446 ppm	0.5449 ppm	0.5722 ppm	0.5412 ppm
Concentration per Run	10.7415 ppm	0.5431 ppm	1.0675 ppm	10.9245 ppm	0.5452 ppm	0.5695 ppm	0.5400 ppm
Concentration RSD	0.3 %	0.7 %	0.1 %	1.0 %	0.0 %	0.5 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1231 ppm	1.2321 ppm	1.0563 [SIC xx]	1.0696 ppm	1.0771 ppm	0.1303 ppm	0.5531 ppm
Concentration per Run	0.1205 ppm	1.2348 ppm	1.0601 ppm	1.0805 ppm	1.0760 ppm	0.1331 ppm	0.5522 ppm
Concentration per Run	0.1272 ppm	1.2304 ppm	1.0591 ppm	1.0685 ppm	1.0825 ppm	0.1293 ppm	0.5535 ppm
Concentration per Run	0.1216 ppm	1.2310 ppm	1.0497 ppm	1.0597 ppm	1.0727 ppm	0.1287 ppm	0.5536 ppm
Concentration RSD	2.9 %	0.2 %	0.5 %	1.0 %	0.5 %	1.8 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5430 ppm	98.1163 %	101.3697 %	98.5396 %	95.3648 %	97.9754 %	98.9219 %
Concentration per Run	0.5433 ppm	97.9589 %	101.3365 %	98.0483 %	95.2059 %	97.1038 %	98.3028 %
Concentration per Run	0.5425 ppm	98.2542 %	100.8524 %	98.6879 %	95.4615 %	98.6410 %	99.1411 %
Concentration per Run	0.5432 ppm	98.1359 %	101.9201 %	98.8827 %	95.4269 %	98.1812 %	99.3219 %
Concentration RSD	0.1 %	0.2 %	0.5 %	0.4 %	0.1 %	0.8 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557514-06d4 WG2116781
 Analysis started at: 9/24/2025 10:53:53 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 30

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	19.8850 ppm	0.0229 ppm	0.0183 ppm	0.2141 ppm	0.0012 ppm	584.2076 ppm
Concentration per Run	0.0002 ppm	19.9616 ppm	0.0213 ppm	0.0169 ppm	0.2152 ppm	0.0013 ppm	584.9228 ppm
Concentration per Run	0.0006 ppm	19.7123 ppm	0.0216 ppm	0.0196 ppm	0.2129 ppm	0.0012 ppm	580.3341 ppm
Concentration per Run	0.0000 ppm	19.9812 ppm	0.0259 ppm	0.0182 ppm	0.2142 ppm	0.0012 ppm	587.3659 ppm
Concentration RSD	125.4 %	0.8 %	11.3 %	7.4 %	0.5 %	2.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0064 ppm	0.0244 ppm	0.0558 ppm	0.0615 ppm	57.5493 ppm	4.8989 ppm	0.0706 ppm
Concentration per Run	-0.0063 ppm	0.0249 ppm	0.0557 ppm	0.0615 ppm	57.7202 ppm	4.9316 ppm	0.0722 ppm
Concentration per Run	-0.0065 ppm	0.0247 ppm	0.0564 ppm	0.0621 ppm	57.1594 ppm	4.8785 ppm	0.0801 ppm
Concentration per Run	-0.0064 ppm	0.0236 ppm	0.0554 ppm	0.0608 ppm	57.7683 ppm	4.8866 ppm	0.0595 ppm
Concentration RSD	1.8 %	3.0 %	0.9 %	1.0 %	0.6 %	0.6 %	14.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	217.0758 ppm	2.1804 ppm	0.0116 ppm	0.9339 ppm	0.0635 ppm	0.0480 ppm	-0.0029 ppm
Concentration per Run	216.8692 ppm	2.1831 ppm	0.0123 ppm	0.9319 ppm	0.0627 ppm	0.0482 ppm	-0.0040 ppm
Concentration per Run	217.5850 ppm	2.1684 ppm	0.0109 ppm	0.9334 ppm	0.0637 ppm	0.0485 ppm	-0.0040 ppm
Concentration per Run	216.7732 ppm	2.1896 ppm	0.0116 ppm	0.9363 ppm	0.0641 ppm	0.0474 ppm	-0.0009 ppm
Concentration RSD	0.2 %	0.5 %	6.1 %	0.2 %	1.1 %	1.2 %	61.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0025 ppm	2.1563 ppm	0.0052 ppm	0.6608 ppm	0.8732 ppm	0.0002 ppm	0.0654 ppm
Concentration per Run	0.0013 ppm	2.1562 ppm	0.0057 ppm	0.6642 ppm	0.8726 ppm	0.0002 ppm	0.0647 ppm
Concentration per Run	0.0065 ppm	2.1573 ppm	0.0049 ppm	0.6572 ppm	0.8756 ppm	-0.0007 ppm	0.0659 ppm
Concentration per Run	-0.0004 ppm	2.1553 ppm	0.0050 ppm	0.6611 ppm	0.8715 ppm	0.0012 ppm	0.0656 ppm
Concentration RSD	145.6 %	0.0 %	8.9 %	0.5 %	0.2 %	388.7 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1004 ppm	90.9601 %	99.3757 %	85.4835 %	92.2644 %	101.6306 %	95.0085 %
Concentration per Run	0.0995 ppm	91.4486 %	99.8677 %	85.3416 %	92.5882 %	101.6661 %	94.8108 %
Concentration per Run	0.1016 ppm	90.0818 %	100.2091 %	85.1352 %	91.5178 %	101.9348 %	94.6594 %
Concentration per Run	0.1001 ppm	91.3498 %	98.0503 %	85.9736 %	92.6873 %	101.2908 %	95.5554 %
Concentration RSD	1.1 %	0.8 %	1.2 %	0.5 %	0.7 %	0.3 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558751-32d2 WG2118128
 Analysis started at: 9/24/2025 10:55:58 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 38

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0073 ppm	75.1044 ppm	0.1045 ppm	0.0427 ppm	1.0881 ppm	0.0093 ppm	39.0151 ppm
Concentration per Run	0.0064 ppm	74.5253 ppm	0.1074 ppm	0.0421 ppm	1.0867 ppm	0.0092 ppm	38.8461 ppm
Concentration per Run	0.0069 ppm	74.8987 ppm	0.1024 ppm	0.0438 ppm	1.0835 ppm	0.0092 ppm	38.8833 ppm
Concentration per Run	0.0086 ppm	75.8891 ppm	0.1037 ppm	0.0422 ppm	1.0941 ppm	0.0094 ppm	39.3160 ppm
Concentration RSD	15.9 %	0.9 %	2.5 %	2.2 %	0.5 %	0.8 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0073 ppm	0.1109 ppm	0.1423 ppm	1.8043 ppm	138.2244 ppm	8.8797 ppm	0.1419 ppm
Concentration per Run	0.0072 ppm	0.1086 ppm	0.1413 ppm	1.7873 ppm	137.3505 ppm	8.8933 ppm	0.1419 ppm
Concentration per Run	0.0073 ppm	0.1121 ppm	0.1421 ppm	1.8055 ppm	138.3425 ppm	8.8954 ppm	0.1405 ppm
Concentration per Run	0.0073 ppm	0.1122 ppm	0.1437 ppm	1.8200 ppm	138.9800 ppm	8.8505 ppm	0.1433 ppm
Concentration RSD	1.2 %	1.9 %	0.9 %	0.9 %	0.6 %	0.3 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	28.4535 ppm	2.0368 ppm	0.0075 ppm	3.4133 ppm	0.4819 ppm	3.3086 ppm	0.0062 ppm
Concentration per Run	28.2704 ppm	2.0254 ppm	0.0072 ppm	3.3375 ppm	0.4776 ppm	3.3085 ppm	0.0038 ppm
Concentration per Run	28.4240 ppm	2.0392 ppm	0.0076 ppm	3.3751 ppm	0.4821 ppm	3.3104 ppm	0.0051 ppm
Concentration per Run	28.6661 ppm	2.0459 ppm	0.0076 ppm	3.5272 ppm	0.4860 ppm	3.3068 ppm	0.0096 ppm
Concentration RSD	0.7 %	0.5 %	2.7 %	2.9 %	0.9 %	0.1 %	48.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0079 ppm	5.8318 ppm	0.4232 ppm	0.1865 ppm	2.3092 ppm	0.0013 ppm	0.2010 ppm
Concentration per Run	0.0052 ppm	5.8024 ppm	0.4191 ppm	0.1859 ppm	2.2892 ppm	0.0019 ppm	0.1999 ppm
Concentration per Run	0.0104 ppm	5.8121 ppm	0.4229 ppm	0.1862 ppm	2.3045 ppm	0.0009 ppm	0.2010 ppm
Concentration per Run	0.0081 ppm	5.8810 ppm	0.4276 ppm	0.1873 ppm	2.3338 ppm	0.0010 ppm	0.2022 ppm
Concentration RSD	33.0 %	0.7 %	1.0 %	0.4 %	1.0 %	42.9 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	4.9203 ppm	97.2254 %	102.4837 %	94.7654 %	99.2155 %	106.7808 %	103.2191 %
Concentration per Run	4.8428 ppm	97.0701 %	103.9754 %	94.8110 %	99.1401 %	105.4373 %	103.3094 %
Concentration per Run	4.9189 ppm	97.4828 %	102.9870 %	94.2832 %	99.3420 %	105.8704 %	102.6544 %
Concentration per Run	4.9992 ppm	97.1234 %	100.4888 %	95.2021 %	99.1644 %	109.0346 %	103.6934 %
Concentration RSD	1.6 %	0.2 %	1.8 %	0.5 %	0.1 %	1.8 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558751-33d2 WG2118128
 Analysis started at: 9/24/2025 10:58:03 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 39

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0086 ppm	31.5404 ppm	0.0922 ppm	0.0118 ppm	1.9030 ppm	0.0028 ppm	28.6852 ppm
Concentration per Run	0.0083 ppm	31.5677 ppm	0.0951 ppm	0.0108 ppm	1.9029 ppm	0.0027 ppm	28.7148 ppm
Concentration per Run	0.0094 ppm	31.2624 ppm	0.0892 ppm	0.0115 ppm	1.8848 ppm	0.0028 ppm	28.5771 ppm
Concentration per Run	0.0082 ppm	31.7912 ppm	0.0924 ppm	0.0132 ppm	1.9213 ppm	0.0028 ppm	28.7639 ppm
Concentration RSD	8.2 %	0.8 %	3.2 %	10.2 %	1.0 %	1.3 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0059 ppm	0.0775 ppm	0.1131 ppm	1.1711 ppm	153.2860 ppm	4.8160 ppm	0.0597 ppm
Concentration per Run	0.0060 ppm	0.0764 ppm	0.1127 ppm	1.1679 ppm	153.4836 ppm	4.8035 ppm	0.0605 ppm
Concentration per Run	0.0058 ppm	0.0773 ppm	0.1128 ppm	1.1680 ppm	151.1079 ppm	4.7997 ppm	0.0582 ppm
Concentration per Run	0.0060 ppm	0.0789 ppm	0.1139 ppm	1.1774 ppm	155.2665 ppm	4.8450 ppm	0.0603 ppm
Concentration RSD	1.4 %	1.6 %	0.6 %	0.5 %	1.4 %	0.5 %	2.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	11.3939 ppm	2.1062 ppm	0.0149 ppm	1.2683 ppm	0.1525 ppm	6.4250 ppm	0.0186 ppm
Concentration per Run	11.3849 ppm	2.1110 ppm	0.0141 ppm	1.2711 ppm	0.1524 ppm	6.4699 ppm	0.0164 ppm
Concentration per Run	11.3096 ppm	2.0797 ppm	0.0153 ppm	1.2500 ppm	0.1533 ppm	6.3981 ppm	0.0200 ppm
Concentration per Run	11.4872 ppm	2.1278 ppm	0.0153 ppm	1.2838 ppm	0.1518 ppm	6.4071 ppm	0.0194 ppm
Concentration RSD	0.8 %	1.2 %	4.4 %	1.3 %	0.5 %	0.6 %	10.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0113 ppm	3.9133 ppm	0.4041 ppm	0.2219 ppm	1.7798 ppm	0.0001 ppm	0.1360 ppm
Concentration per Run	0.0109 ppm	3.8903 ppm	0.4006 ppm	0.2220 ppm	1.7699 ppm	0.0018 ppm	0.1347 ppm
Concentration per Run	0.0157 ppm	3.9254 ppm	0.4038 ppm	0.2198 ppm	1.7748 ppm	-0.0004 ppm	0.1355 ppm
Concentration per Run	0.0072 ppm	3.9242 ppm	0.4079 ppm	0.2239 ppm	1.7948 ppm	-0.0012 ppm	0.1378 ppm
Concentration RSD	37.7 %	0.5 %	0.9 %	0.9 %	0.7 %	3,063.8 %	1.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.7026 ppm	98.4329 %	103.5995 %	96.4730 %	96.9891 %	101.3773 %	100.1503 %
Concentration per Run	1.7003 ppm	98.3992 %	102.7647 %	96.0285 %	96.8237 %	101.2647 %	99.7047 %
Concentration per Run	1.6939 ppm	98.1646 %	105.4498 %	96.6048 %	96.5965 %	101.1923 %	100.2151 %
Concentration per Run	1.7137 ppm	98.7348 %	102.5840 %	96.7858 %	97.5471 %	101.6748 %	100.5311 %
Concentration RSD	0.6 %	0.3 %	1.5 %	0.4 %	0.5 %	0.3 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558751-37d2 WG2118128
 Analysis started at: 9/24/2025 11:00:07 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 33

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0056 ppm	76.5532 ppm	0.0818 ppm	0.0456 ppm	2.9280 ppm	0.0052 ppm	41.7997 ppm
Concentration per Run	0.0062 ppm	76.5930 ppm	0.0802 ppm	0.0467 ppm	2.9365 ppm	0.0051 ppm	41.9040 ppm
Concentration per Run	0.0050 ppm	77.0300 ppm	0.0828 ppm	0.0451 ppm	2.9474 ppm	0.0053 ppm	42.0113 ppm
Concentration per Run	0.0055 ppm	76.0365 ppm	0.0822 ppm	0.0449 ppm	2.9000 ppm	0.0052 ppm	41.4837 ppm
Concentration RSD	10.6 %	0.7 %	1.7 %	2.2 %	0.8 %	1.5 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0084 ppm	0.0839 ppm	0.1882 ppm	1.9248 ppm	178.3523 ppm	9.4766 ppm	0.1074 ppm
Concentration per Run	0.0082 ppm	0.0827 ppm	0.1891 ppm	1.9211 ppm	178.5478 ppm	9.5195 ppm	0.1072 ppm
Concentration per Run	0.0084 ppm	0.0834 ppm	0.1869 ppm	1.9235 ppm	179.7750 ppm	9.5309 ppm	0.1089 ppm
Concentration per Run	0.0086 ppm	0.0854 ppm	0.1886 ppm	1.9296 ppm	176.7341 ppm	9.3793 ppm	0.1061 ppm
Concentration RSD	2.5 %	1.7 %	0.6 %	0.2 %	0.9 %	0.9 %	1.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	28.0255 ppm	2.8026 ppm	0.0064 ppm	6.6456 ppm	0.4662 ppm	6.6319 ppm	0.0274 ppm
Concentration per Run	28.2003 ppm	2.8141 ppm	0.0066 ppm	6.6934 ppm	0.4667 ppm	6.6105 ppm	0.0275 ppm
Concentration per Run	28.0146 ppm	2.8043 ppm	0.0057 ppm	6.6304 ppm	0.4653 ppm	6.6684 ppm	0.0230 ppm
Concentration per Run	27.8617 ppm	2.7894 ppm	0.0069 ppm	6.6129 ppm	0.4667 ppm	6.6169 ppm	0.0315 ppm
Concentration RSD	0.6 %	0.4 %	9.9 %	0.6 %	0.2 %	0.5 %	15.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0018 ppm	3.2280 ppm	0.9117 ppm	0.2257 ppm	2.8824 ppm	-0.0012 ppm	0.1979 ppm
Concentration per Run	-0.0011 ppm	3.2557 ppm	0.9155 ppm	0.2264 ppm	2.9070 ppm	-0.0031 ppm	0.1985 ppm
Concentration per Run	0.0011 ppm	3.2185 ppm	0.9111 ppm	0.2273 ppm	2.8858 ppm	-0.0008 ppm	0.1978 ppm
Concentration per Run	0.0053 ppm	3.2097 ppm	0.9084 ppm	0.2235 ppm	2.8544 ppm	0.0002 ppm	0.1974 ppm
Concentration RSD	184.3 %	0.8 %	0.4 %	0.9 %	0.9 %	140.4 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	5.3713 ppm	97.4573 %	102.2289 %	96.3339 %	100.6670 %	108.2039 %	105.6061 %
Concentration per Run	5.3532 ppm	96.4013 %	101.3184 %	96.7217 %	98.9400 %	108.0938 %	106.1531 %
Concentration per Run	5.3802 ppm	97.5791 %	102.9503 %	96.3581 %	100.9617 %	108.1547 %	105.5042 %
Concentration per Run	5.3805 ppm	98.3914 %	102.4180 %	95.9220 %	102.0992 %	108.3633 %	105.1609 %
Concentration RSD	0.3 %	1.0 %	0.8 %	0.4 %	1.6 %	0.1 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118128-3d2 WG2118128
 Analysis started at: 9/24/2025 11:02:12 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 34

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0572 ppm	89.1860 ppm	0.2024 ppm	1.0258 ppm	4.2471 ppm	0.0591 ppm	46.2799 ppm
Concentration per Run	0.0579 ppm	88.5565 ppm	0.2003 ppm	1.0290 ppm	4.1885 ppm	0.0585 ppm	45.9209 ppm
Concentration per Run	0.0568 ppm	88.7468 ppm	0.2027 ppm	1.0274 ppm	4.2440 ppm	0.0590 ppm	46.0217 ppm
Concentration per Run	0.0568 ppm	90.2548 ppm	0.2043 ppm	1.0211 ppm	4.3089 ppm	0.0597 ppm	46.8971 ppm
Concentration RSD	1.1 %	1.0 %	1.0 %	0.4 %	1.4 %	1.0 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0635 ppm	0.6124 ppm	0.3797 ppm	1.5327 ppm	174.9308 ppm	19.3536 ppm	0.1222 ppm
Concentration per Run	0.0637 ppm	0.6106 ppm	0.3798 ppm	1.5236 ppm	172.3553 ppm	19.0691 ppm	0.1213 ppm
Concentration per Run	0.0634 ppm	0.6184 ppm	0.3816 ppm	1.5443 ppm	175.1600 ppm	19.3695 ppm	0.1212 ppm
Concentration per Run	0.0633 ppm	0.6082 ppm	0.3777 ppm	1.5304 ppm	177.2772 ppm	19.6221 ppm	0.1240 ppm
Concentration RSD	0.3 %	0.9 %	0.5 %	0.7 %	1.4 %	1.4 %	1.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	38.2092 ppm	4.4118 ppm	1.0123 [SIC xx]	16.1566 ppm	0.9894 ppm	5.0149 ppm	0.2415 ppm
Concentration per Run	38.3283 ppm	4.3828 ppm	1.0120 ppm	16.0765 ppm	0.9888 ppm	5.0118 ppm	0.2409 ppm
Concentration per Run	38.1905 ppm	4.3931 ppm	1.0156 ppm	16.1588 ppm	0.9956 ppm	5.0015 ppm	0.2435 ppm
Concentration per Run	38.1088 ppm	4.4596 ppm	1.0092 ppm	16.2346 ppm	0.9838 ppm	5.0312 ppm	0.2399 ppm
Concentration RSD	0.3 %	0.9 %	0.3 %	0.5 %	0.6 %	0.3 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1130 ppm	5.6439 ppm	1.2486 [SIC xx]	1.2223 ppm	3.5852 ppm	0.1247 ppm	0.7651 ppm
Concentration per Run	0.1168 ppm	5.6953 ppm	1.2486 ppm	1.2066 ppm	3.5908 ppm	0.1231 ppm	0.7670 ppm
Concentration per Run	0.1108 ppm	5.6171 ppm	1.2456 ppm	1.2211 ppm	3.5818 ppm	0.1255 ppm	0.7672 ppm
Concentration per Run	0.1115 ppm	5.6194 ppm	1.2517 ppm	1.2393 ppm	3.5829 ppm	0.1254 ppm	0.7611 ppm
Concentration RSD	2.9 %	0.8 %	0.2 %	1.3 %	0.1 %	1.1 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	4.7242 ppm	94.4377 %	102.7385 %	92.2544 %	96.4917 %	110.6713 %	100.8470 %
Concentration per Run	4.6826 ppm	94.4695 %	103.2043 %	92.0361 %	96.4748 %	110.8273 %	100.5877 %
Concentration per Run	4.7605 ppm	94.7275 %	102.5913 %	92.7576 %	96.9612 %	110.6894 %	101.3931 %
Concentration per Run	4.7294 ppm	94.1162 %	102.4200 %	91.9694 %	96.0392 %	110.4973 %	100.5602 %
Concentration RSD	0.8 %	0.3 %	0.4 %	0.5 %	0.5 %	0.1 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118128-4d2 WG2118128
 Analysis started at: 9/24/2025 11:04:17 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 35

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0566 ppm	136.6496 ppm	0.2278 ppm	1.0514 ppm	4.5762 ppm	0.0625 ppm	56.0786 ppm
Concentration per Run	0.0569 ppm	137.2345 ppm	0.2257 ppm	1.0441 ppm	4.6020 ppm	0.0629 ppm	55.9611 ppm
Concentration per Run	0.0567 ppm	136.6246 ppm	0.2327 ppm	1.0522 ppm	4.5369 ppm	0.0622 ppm	56.3995 ppm
Concentration per Run	0.0563 ppm	136.0898 ppm	0.2249 ppm	1.0579 ppm	4.5898 ppm	0.0624 ppm	55.8751 ppm
Concentration RSD	0.6 %	0.4 %	1.9 %	0.7 %	0.8 %	0.5 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0644 ppm	0.6099 ppm	0.4713 ppm	2.5996 ppm	212.0784 ppm	37.2865 ppm	0.4228 ppm
Concentration per Run	0.0638 ppm	0.6085 ppm	0.4681 ppm	2.5665 ppm	212.9394 ppm	37.3399 ppm	0.4285 ppm
Concentration per Run	0.0648 ppm	0.6102 ppm	0.4730 ppm	2.6054 ppm	211.4675 ppm	37.2536 ppm	0.4174 ppm
Concentration per Run	0.0646 ppm	0.6109 ppm	0.4727 ppm	2.6270 ppm	211.8282 ppm	37.2660 ppm	0.4226 ppm
Concentration RSD	0.8 %	0.2 %	0.6 %	1.2 %	0.4 %	0.1 %	1.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	77.3091 ppm	4.1606 ppm	1.0072 [SIC xx]	17.8932 ppm	1.4753 ppm	8.2599 ppm	0.2329 ppm
Concentration per Run	76.5781 ppm	4.1705 ppm	1.0004 ppm	18.0453 ppm	1.4574 ppm	8.2208 ppm	0.2312 ppm
Concentration per Run	77.7389 ppm	4.1706 ppm	1.0115 ppm	17.9883 ppm	1.4879 ppm	8.2395 ppm	0.2357 ppm
Concentration per Run	77.6102 ppm	4.1407 ppm	1.0096 ppm	17.6458 ppm	1.4807 ppm	8.3193 ppm	0.2316 ppm
Concentration RSD	0.8 %	0.4 %	0.6 %	1.2 %	1.1 %	0.6 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1166 ppm	9.0215 ppm	1.4213 [SIC xx]	1.2301 ppm	8.0120 ppm	0.1236 ppm	0.8207 ppm
Concentration per Run	0.1165 ppm	8.9185 ppm	1.4029 ppm	1.2373 ppm	7.9124 ppm	0.1243 ppm	0.8134 ppm
Concentration per Run	0.1156 ppm	9.0780 ppm	1.4372 ppm	1.2196 ppm	8.0706 ppm	0.1230 ppm	0.8264 ppm
Concentration per Run	0.1177 ppm	9.0681 ppm	1.4238 ppm	1.2335 ppm	8.0530 ppm	0.1233 ppm	0.8222 ppm
Concentration RSD	0.9 %	1.0 %	1.2 %	0.8 %	1.1 %	0.5 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	6.1200 ppm	96.9948 %	100.7404 %	92.8918 %	100.7917 %	110.4394 %	104.0138 %
Concentration per Run	6.0526 ppm	97.7057 %	99.8771 %	92.8490 %	101.3656 %	111.2780 %	103.5787 %
Concentration per Run	6.1451 ppm	96.3562 %	100.4658 %	93.0613 %	100.3715 %	110.4073 %	104.2868 %
Concentration per Run	6.1622 ppm	96.9224 %	101.8782 %	92.7651 %	100.6382 %	109.6327 %	104.1760 %
Concentration RSD	1.0 %	0.7 %	1.0 %	0.2 %	0.5 %	0.7 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118128-5d2 WG2118128
 Analysis started at: 9/24/2025 11:06:22 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 36

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0649 ppm	76.8850 ppm	0.2069 ppm	1.0299 ppm	4.8254 ppm	0.0559 ppm	51.2954 ppm
Concentration per Run	0.0647 ppm	76.1952 ppm	0.2074 ppm	1.0217 ppm	4.7778 ppm	0.0554 ppm	51.1267 ppm
Concentration per Run	0.0646 ppm	76.9721 ppm	0.2055 ppm	1.0315 ppm	4.8584 ppm	0.0563 ppm	51.5923 ppm
Concentration per Run	0.0655 ppm	77.4878 ppm	0.2079 ppm	1.0364 ppm	4.8400 ppm	0.0561 ppm	51.1672 ppm
Concentration RSD	0.8 %	0.8 %	0.6 %	0.7 %	0.9 %	0.8 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0597 ppm	0.5676 ppm	0.3779 ppm	2.1025 ppm	174.6952 ppm	19.6984 ppm	0.1034 ppm
Concentration per Run	0.0594 ppm	0.5654 ppm	0.3763 ppm	2.0907 ppm	173.2917 ppm	19.5138 ppm	0.1023 ppm
Concentration per Run	0.0594 ppm	0.5702 ppm	0.3784 ppm	2.0986 ppm	175.7924 ppm	19.8346 ppm	0.1045 ppm
Concentration per Run	0.0602 ppm	0.5672 ppm	0.3790 ppm	2.1183 ppm	175.0015 ppm	19.7469 ppm	0.1033 ppm
Concentration RSD	0.8 %	0.4 %	0.4 %	0.7 %	0.7 %	0.8 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	36.7219 ppm	3.2039 ppm	0.9935 ppm	16.7431 ppm	0.9467 ppm	6.9797 ppm	0.5171 ppm
Concentration per Run	36.4228 ppm	3.1741 ppm	0.9896 ppm	16.4732 ppm	0.9424 ppm	6.9683 ppm	0.5170 ppm
Concentration per Run	36.6562 ppm	3.2156 ppm	0.9911 ppm	16.4739 ppm	0.9448 ppm	6.9583 ppm	0.5094 ppm
Concentration per Run	37.0866 ppm	3.2221 ppm	0.9999 ppm	17.2820 ppm	0.9530 ppm	7.0125 ppm	0.5248 ppm
Concentration RSD	0.9 %	0.8 %	0.6 %	2.8 %	0.6 %	0.4 %	1.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1223 ppm	4.3182 ppm	1.8681 [SIC xx]	1.2049 ppm	3.7869 ppm	0.1209 ppm	0.7066 ppm
Concentration per Run	0.1219 ppm	4.2942 ppm	1.8500 ppm	1.1933 ppm	3.7480 ppm	0.1239 ppm	0.7025 ppm
Concentration per Run	0.1238 ppm	4.3093 ppm	1.8657 ppm	1.2140 ppm	3.7665 ppm	0.1183 ppm	0.7055 ppm
Concentration per Run	0.1213 ppm	4.3512 ppm	1.8886 ppm	1.2072 ppm	3.8462 ppm	0.1206 ppm	0.7118 ppm
Concentration RSD	1.1 %	0.7 %	1.0 %	0.9 %	1.4 %	2.3 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	5.7080 ppm	98.3833 %	102.8048 %	95.8285 %	101.1288 %	106.7090 %	105.1205 %
Concentration per Run	5.6598 ppm	98.4608 %	104.3554 %	96.5360 %	101.3924 %	106.3098 %	106.0115 %
Concentration per Run	5.7189 ppm	98.7255 %	103.5814 %	95.4788 %	101.3787 %	104.3425 %	104.5239 %
Concentration per Run	5.7451 ppm	97.9635 %	100.4775 %	95.4707 %	100.6153 %	109.4748 %	104.8261 %
Concentration RSD	0.8 %	0.4 %	2.0 %	0.6 %	0.4 %	2.4 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118128-6d10 WG2118128
 Analysis started at: 9/24/2025 11:08:27 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 37

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0017 ppm	16.4244 ppm	0.0166 ppm	0.0134 ppm	0.6244 ppm	0.0012 ppm	8.9881 ppm
Concentration per Run	0.0018 ppm	16.5041 ppm	0.0134 ppm	0.0120 ppm	0.6281 ppm	0.0012 ppm	9.0615 ppm
Concentration per Run	0.0017 ppm	16.4014 ppm	0.0179 ppm	0.0116 ppm	0.6252 ppm	0.0012 ppm	8.9552 ppm
Concentration per Run	0.0018 ppm	16.3675 ppm	0.0186 ppm	0.0167 ppm	0.6199 ppm	0.0012 ppm	8.9476 ppm
Concentration RSD	3.6 %	0.4 %	16.9 %	21.0 %	0.7 %	1.6 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0017 ppm	0.0182 ppm	0.0390 ppm	0.3965 ppm	39.0004 ppm	2.0605 ppm	0.0222 ppm
Concentration per Run	0.0016 ppm	0.0174 ppm	0.0391 ppm	0.3955 ppm	39.1673 ppm	2.1301 ppm	0.0194 ppm
Concentration per Run	0.0018 ppm	0.0186 ppm	0.0393 ppm	0.3976 ppm	39.0643 ppm	2.0344 ppm	0.0233 ppm
Concentration per Run	0.0017 ppm	0.0186 ppm	0.0388 ppm	0.3964 ppm	38.7697 ppm	2.0168 ppm	0.0240 ppm
Concentration RSD	5.6 %	3.9 %	0.6 %	0.3 %	0.5 %	3.0 %	11.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.9128 ppm	0.5972 ppm	0.0022 ppm	1.3603 ppm	0.0990 ppm	1.3699 ppm	0.0087 ppm
Concentration per Run	5.8838 ppm	0.5996 ppm	0.0024 ppm	1.3517 ppm	0.0990 ppm	1.3649 ppm	0.0092 ppm
Concentration per Run	5.9195 ppm	0.5979 ppm	0.0021 ppm	1.3735 ppm	0.0988 ppm	1.3764 ppm	0.0092 ppm
Concentration per Run	5.9351 ppm	0.5940 ppm	0.0021 ppm	1.3558 ppm	0.0993 ppm	1.3683 ppm	0.0076 ppm
Concentration RSD	0.4 %	0.5 %	7.2 %	0.9 %	0.3 %	0.4 %	10.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0005 ppm	0.6681 ppm	0.1909 ppm	0.0476 ppm	0.5882 ppm	0.0006 ppm	0.0398 ppm
Concentration per Run	-0.0005 ppm	0.6680 ppm	0.1886 ppm	0.0479 ppm	0.5847 ppm	0.0009 ppm	0.0395 ppm
Concentration per Run	0.0010 ppm	0.6634 ppm	0.1931 ppm	0.0477 ppm	0.5891 ppm	0.0006 ppm	0.0400 ppm
Concentration per Run	0.0010 ppm	0.6729 ppm	0.1911 ppm	0.0472 ppm	0.5908 ppm	0.0004 ppm	0.0399 ppm
Concentration RSD	171.7 %	0.7 %	1.2 %	0.7 %	0.5 %	40.1 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1314 ppm	99.5578 %	103.3295 %	99.8673 %	97.8988 %	100.1277 %	101.4306 %
Concentration per Run	1.1258 ppm	99.0815 %	101.9748 %	100.3098 %	97.2497 %	98.2562 %	101.9867 %
Concentration per Run	1.1343 ppm	99.9325 %	102.3536 %	99.5256 %	98.8779 %	100.6560 %	101.1345 %
Concentration per Run	1.1340 ppm	99.6593 %	105.6601 %	99.7666 %	97.5686 %	101.4709 %	101.1707 %
Concentration RSD	0.4 %	0.4 %	2.0 %	0.4 %	0.9 %	1.7 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 11:10:32 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5019 ppm	0.4782 ppm	0.4835 ppm	0.4949 ppm	0.4934 ppm	0.5096 ppm	0.5032 ppm
Concentration per Run	0.5022 ppm	0.4945 ppm	0.4830 ppm	0.4931 ppm	0.4936 ppm	0.5139 ppm	0.5058 ppm
Concentration per Run	0.5019 ppm	0.4704 ppm	0.4826 ppm	0.4975 ppm	0.4952 ppm	0.5066 ppm	0.4997 ppm
Concentration per Run	0.5015 ppm	0.4697 ppm	0.4849 ppm	0.4941 ppm	0.4914 ppm	0.5083 ppm	0.5039 ppm
Recovery Percentage	100.378 %	95.640 %	96.697 %	98.975 %	98.685 %	101.919 %	100.635 %
Concentration RSD	0.1 %	2.9 %	0.3 %	0.5 %	0.4 %	0.8 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5056 ppm	0.5152 ppm	0.5028 ppm	0.5137 ppm	0.4996 ppm	5.1534 ppm	0.5111 ppm
Concentration per Run	0.5046 ppm	0.5122 ppm	0.4990 ppm	0.5114 ppm	0.5045 ppm	5.1967 ppm	0.5127 ppm
Concentration per Run	0.5062 ppm	0.5138 ppm	0.5024 ppm	0.5148 ppm	0.4977 ppm	5.1534 ppm	0.5089 ppm
Concentration per Run	0.5060 ppm	0.5197 ppm	0.5070 ppm	0.5147 ppm	0.4965 ppm	5.1101 ppm	0.5119 ppm
Recovery Percentage	101.119 %	103.041 %	100.560 %	102.731 %	99.911 %	103.068 %	102.227 %
Concentration RSD	0.2 %	0.8 %	0.8 %	0.4 %	0.9 %	0.8 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5058 ppm	0.5072 ppm	0.4978 ppm	9.9645 ppm	0.5204 ppm	0.5089 ppm	0.5096 ppm
Concentration per Run	0.5072 ppm	0.5110 ppm	0.4981 ppm	10.0484 ppm	0.5199 ppm	0.5139 ppm	0.5024 ppm
Concentration per Run	0.5031 ppm	0.5061 ppm	0.4977 ppm	10.0296 ppm	0.5211 ppm	0.5075 ppm	0.5124 ppm
Concentration per Run	0.5071 ppm	0.5046 ppm	0.4975 ppm	9.8156 ppm	0.5201 ppm	0.5053 ppm	0.5139 ppm
Recovery Percentage	101.161 %	101.445 %	99.557 %	99.645 %	104.075 %	101.784 %	101.914 %
Concentration RSD	0.5 %	0.7 %	0.1 %	1.3 %	0.1 %	0.9 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4916 ppm	5.3955 ppm	0.5027 ppm	0.4981 ppm	0.5052 ppm	0.5118 ppm	0.5113 ppm
Concentration per Run	0.4974 ppm	5.3813 ppm	0.5040 ppm	0.4986 ppm	0.5042 ppm	0.5143 ppm	0.5103 ppm
Concentration per Run	0.4883 ppm	5.4123 ppm	0.5033 ppm	0.4999 ppm	0.5066 ppm	0.5145 ppm	0.5113 ppm
Concentration per Run	0.4891 ppm	5.3928 ppm	0.5008 ppm	0.4957 ppm	0.5048 ppm	0.5067 ppm	0.5123 ppm
Recovery Percentage	98.320 %	102.771 %	100.544 %	99.614 %	101.045 %	102.365 %	102.260 %
Concentration RSD	1.0 %	0.3 %	0.3 %	0.4 %	0.2 %	0.9 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5115 ppm	98.6594 %	106.5480 %	100.2478 %	95.4312 %	102.3598 %	99.5079 %
Concentration per Run	0.5098 ppm	98.7617 %	105.9976 %	99.4311 %	95.4047 %	102.2775 %	98.5218 %
Concentration per Run	0.5124 ppm	98.5182 %	106.3194 %	100.0372 %	95.3466 %	103.5207 %	99.4098 %
Concentration per Run	0.5124 ppm	98.6984 %	107.3270 %	101.2752 %	95.5422 %	101.2811 %	100.5920 %
Recovery Percentage	102.309 %						
Concentration RSD	0.3 %	0.1 %	0.7 %	0.9 %	0.1 %	1.1 %	1.0 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 11:12:37 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	-0.0140 ppm	0.0011 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0124 ppm
Concentration per Run	0.0010 ppm	-0.0182 ppm	0.0028 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0151 ppm
Concentration per Run	0.0005 ppm	-0.0104 ppm	-0.0010 ppm	0.0016 ppm	-0.0001 ppm	0.0002 ppm	0.0156 ppm
Concentration per Run	0.0010 ppm	-0.0134 ppm	0.0016 ppm	0.0010 ppm	-0.0001 ppm	0.0001 ppm	0.0064 ppm
Recovery Percentage	11.700 %	-14.000 %	22.554 %	2.786 %	-0.172 %	2.078 %	12.352 %
Concentration RSD	36.2 %	27.8 %	167.9 %	101.2 %	538.7 %	87.4 %	42.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0005 ppm	0.0005 ppm	-0.0003 ppm	0.0004 ppm	-0.0209 ppm	-0.0002 ppm
Concentration per Run	-0.0001 ppm	-0.0009 ppm	0.0008 ppm	-0.0007 ppm	0.0012 ppm	-0.0191 ppm	0.0011 ppm
Concentration per Run	-0.0002 ppm	-0.0003 ppm	0.0005 ppm	-0.0001 ppm	0.0009 ppm	-0.0369 ppm	-0.0025 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0004 ppm	-0.0001 ppm	-0.0010 ppm	-0.0065 ppm	0.0008 ppm
Recovery Percentage	-2.423 %	-2.598 %	5.414 %	-3.287 %	0.752 %	-0.834 %	-4.524 %
Concentration RSD	65.5 %	59.2 %	39.7 %	108.2 %	311.4 %	73.4 %	890.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0012 ppm	0.0002 ppm	0.0012 ppm	-0.0024 ppm	-0.0003 ppm	0.0000 ppm	-0.0013 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0013 ppm	0.0031 ppm	0.0001 ppm	0.0018 ppm	-0.0040 ppm
Concentration per Run	-0.0015 ppm	0.0004 ppm	0.0011 ppm	-0.0050 ppm	-0.0002 ppm	-0.0003 ppm	-0.0022 ppm
Concentration per Run	-0.0023 ppm	0.0002 ppm	0.0013 ppm	-0.0053 ppm	-0.0007 ppm	-0.0015 ppm	0.0023 ppm
Recovery Percentage	-1.237 %	1.591 %	2.457 %	-0.119 %	-1.052 %	-0.199 %	-2.527 %
Concentration RSD	92.0 %	131.7 %	11.7 %	198.5 %	148.1 %	8,316.1 %	257.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0017 ppm	0.0017 ppm	0.0022 ppm	-0.0001 ppm	0.0006 ppm	-0.0016 ppm	0.0000 ppm
Concentration per Run	0.0035 ppm	0.0033 ppm	0.0020 ppm	-0.0001 ppm	0.0007 ppm	-0.0020 ppm	0.0002 ppm
Concentration per Run	0.0017 ppm	0.0020 ppm	0.0026 ppm	-0.0001 ppm	0.0006 ppm	-0.0010 ppm	0.0002 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0020 ppm	-0.0001 ppm	0.0004 ppm	-0.0017 ppm	-0.0003 ppm
Recovery Percentage	17.152 %	0.350 %	4.374 %	-1.016 %	5.636 %	-7.864 %	0.446 %
Concentration RSD	106.2 %	95.1 %	16.5 %	42.6 %	21.3 %	30.4 %	602.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0009 ppm	100.8639 %	102.7159 %	101.9698 %	99.4401 %	101.1096 %	102.5521 %
Concentration per Run	0.0012 ppm	100.7322 %	104.9389 %	101.6758 %	99.0764 %	103.5682 %	102.2653 %
Concentration per Run	0.0007 ppm	100.3188 %	103.0034 %	102.0935 %	98.3423 %	102.1359 %	102.6187 %
Concentration per Run	0.0009 ppm	101.5407 %	100.2052 %	102.1401 %	100.9017 %	97.6246 %	102.7723 %
Recovery Percentage	18.880 %						
Concentration RSD	22.1 %	0.6 %	2.3 %	0.3 %	1.3 %	3.1 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558751-34d2 WG2118128
 Analysis started at: 9/24/2025 11:24:00 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 40

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0144 ppm	61.1751 ppm	0.1222 ppm	0.0189 ppm	2.4496 ppm	0.0050 ppm	55.4063 ppm
Concentration per Run	0.0139 ppm	61.1377 ppm	0.1225 ppm	0.0194 ppm	2.4515 ppm	0.0051 ppm	55.2091 ppm
Concentration per Run	0.0151 ppm	61.2515 ppm	0.1220 ppm	0.0189 ppm	2.4414 ppm	0.0050 ppm	55.6608 ppm
Concentration per Run	0.0142 ppm	61.1360 ppm	0.1223 ppm	0.0184 ppm	2.4558 ppm	0.0050 ppm	55.3490 ppm
Concentration RSD	4.5 %	0.1 %	0.2 %	2.5 %	0.3 %	1.0 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0085 ppm	0.0632 ppm	0.2098 ppm	6.4065 ppm	148.7610 ppm	6.7078 ppm	0.0938 ppm
Concentration per Run	0.0084 ppm	0.0626 ppm	0.2093 ppm	6.3727 ppm	148.7229 ppm	6.7244 ppm	0.0930 ppm
Concentration per Run	0.0087 ppm	0.0635 ppm	0.2097 ppm	6.4241 ppm	148.6371 ppm	6.6832 ppm	0.0924 ppm
Concentration per Run	0.0084 ppm	0.0633 ppm	0.2103 ppm	6.4227 ppm	148.9229 ppm	6.7157 ppm	0.0962 ppm
Concentration RSD	2.2 %	0.8 %	0.2 %	0.5 %	0.1 %	0.3 %	2.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	19.5013 ppm	2.0538 ppm	0.0087 ppm	1.9604 ppm	0.2905 ppm	15.5891 ppm	0.0261 ppm
Concentration per Run	19.2727 ppm	2.0515 ppm	0.0087 ppm	1.9575 ppm	0.2873 ppm	15.5811 ppm	0.0278 ppm
Concentration per Run	19.7290 ppm	2.0621 ppm	0.0086 ppm	1.9512 ppm	0.2922 ppm	15.5303 ppm	0.0258 ppm
Concentration per Run	19.5024 ppm	2.0478 ppm	0.0087 ppm	1.9724 ppm	0.2920 ppm	15.6560 ppm	0.0249 ppm
Concentration RSD	1.2 %	0.4 %	0.9 %	0.6 %	1.0 %	0.4 %	5.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0095 ppm	4.2001 ppm	1.3010 [SIC xx]	0.2649 ppm	2.2959 ppm	0.0001 ppm	0.2078 ppm
Concentration per Run	0.0106 ppm	4.1739 ppm	1.2917 ppm	0.2650 ppm	2.2685 ppm	0.0002 ppm	0.2065 ppm
Concentration per Run	0.0115 ppm	4.2338 ppm	1.3023 ppm	0.2636 ppm	2.3218 ppm	0.0013 ppm	0.2085 ppm
Concentration per Run	0.0063 ppm	4.1928 ppm	1.3089 ppm	0.2661 ppm	2.2974 ppm	-0.0012 ppm	0.2085 ppm
Concentration RSD	29.1 %	0.7 %	0.7 %	0.5 %	1.2 %	1,202.2 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	5.2440 ppm	97.4331 %	102.1979 %	95.1490 %	99.1038 %	103.4551 %	103.3551 %
Concentration per Run	5.2124 ppm	97.9022 %	102.6284 %	94.6913 %	99.6378 %	103.6875 %	102.8642 %
Concentration per Run	5.2719 ppm	96.8068 %	102.1009 %	95.0134 %	98.6244 %	102.7388 %	103.0961 %
Concentration per Run	5.2475 ppm	97.5904 %	101.8644 %	95.7423 %	99.0491 %	103.9390 %	104.1050 %
Concentration RSD	0.6 %	0.6 %	0.4 %	0.6 %	0.5 %	0.6 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558751-35d2 WG2118128
 Analysis started at: 9/24/2025 11:26:17 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 41

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0269 ppm	67.2547 ppm	0.2087 ppm	0.2354 ppm	6.7855 ppm	0.0065 ppm	95.7115 ppm
Concentration per Run	0.0272 ppm	67.2646 ppm	0.2094 ppm	0.2368 ppm	6.7864 ppm	0.0064 ppm	95.8512 ppm
Concentration per Run	0.0266 ppm	67.4426 ppm	0.2056 ppm	0.2363 ppm	6.8280 ppm	0.0065 ppm	96.3416 ppm
Concentration per Run	0.0269 ppm	67.0569 ppm	0.2112 ppm	0.2331 ppm	6.7422 ppm	0.0064 ppm	94.9417 ppm
Concentration RSD	1.0 %	0.3 %	1.4 %	0.9 %	0.6 %	0.5 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0254 ppm	0.1076 ppm	0.2533 ppm	7.6604 ppm	314.9287 ppm	9.7100 ppm	0.1093 ppm
Concentration per Run	0.0253 ppm	0.1082 ppm	0.2529 ppm	7.6594 ppm	314.8419 ppm	9.7139 ppm	0.1102 ppm
Concentration per Run	0.0255 ppm	0.1076 ppm	0.2536 ppm	7.6875 ppm	317.9393 ppm	9.7756 ppm	0.1090 ppm
Concentration per Run	0.0254 ppm	0.1070 ppm	0.2535 ppm	7.6344 ppm	312.0049 ppm	9.6406 ppm	0.1088 ppm
Concentration RSD	0.4 %	0.6 %	0.1 %	0.3 %	0.9 %	0.7 %	0.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	25.6638 ppm	4.4327 ppm	0.0155 ppm	9.7177 ppm	0.4428 ppm	30.0417 ppm	0.4956 ppm
Concentration per Run	25.6676 ppm	4.4279 ppm	0.0157 ppm	9.7854 ppm	0.4431 ppm	30.0521 ppm	0.4964 ppm
Concentration per Run	25.7346 ppm	4.4560 ppm	0.0160 ppm	9.8049 ppm	0.4445 ppm	29.9792 ppm	0.4949 ppm
Concentration per Run	25.5890 ppm	4.4141 ppm	0.0147 ppm	9.5628 ppm	0.4407 ppm	30.0940 ppm	0.4956 ppm
Concentration RSD	0.3 %	0.5 %	4.6 %	1.4 %	0.4 %	0.2 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0103 ppm	4.3457 ppm	2.5605 [SIC xx]	0.5904 ppm	2.1325 ppm	-0.0004 ppm	0.2384 ppm
Concentration per Run	0.0103 ppm	4.3700 ppm	2.5737 ppm	0.5911 ppm	2.1307 ppm	-0.0004 ppm	0.2378 ppm
Concentration per Run	0.0115 ppm	4.3511 ppm	2.5748 ppm	0.5950 ppm	2.1396 ppm	0.0004 ppm	0.2396 ppm
Concentration per Run	0.0092 ppm	4.3160 ppm	2.5329 ppm	0.5851 ppm	2.1272 ppm	-0.0013 ppm	0.2378 ppm
Concentration RSD	11.0 %	0.6 %	0.9 %	0.8 %	0.3 %	184.1 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	15.3922 ppm	97.6160 %	105.4363 %	92.6574 %	99.0427 %	106.4376 %	102.1936 %
Concentration per Run	15.3974 ppm	97.4693 %	105.5887 %	92.6865 %	98.5875 %	106.9983 %	102.3711 %
Concentration per Run	15.4522 ppm	97.5585 %	104.9524 %	92.3501 %	99.1904 %	107.3785 %	101.6207 %
Concentration per Run	15.3271 ppm	97.8202 %	105.7678 %	92.9355 %	99.3504 %	104.9361 %	102.5888 %
Concentration RSD	0.4 %	0.2 %	0.4 %	0.3 %	0.4 %	1.2 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558751-36d2 WG2118128
 Analysis started at: 9/24/2025 11:28:22 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 42

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0073 ppm	93.4602 ppm	0.0947 ppm	0.1022 ppm	2.0411 ppm	0.0153 ppm	124.6483 ppm
Concentration per Run	0.0073 ppm	92.4844 ppm	0.0918 ppm	0.1056 ppm	2.0125 ppm	0.0151 ppm	123.3427 ppm
Concentration per Run	0.0070 ppm	93.0398 ppm	0.0963 ppm	0.1015 ppm	2.0329 ppm	0.0152 ppm	124.3135 ppm
Concentration per Run	0.0074 ppm	94.8563 ppm	0.0959 ppm	0.0995 ppm	2.0780 ppm	0.0155 ppm	126.2888 ppm
Concentration RSD	3.0 %	1.3 %	2.6 %	3.1 %	1.6 %	1.3 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0222 ppm	0.1813 ppm	0.1512 ppm	2.0911 ppm	143.4603 ppm	7.3062 ppm	0.1084 ppm
Concentration per Run	0.0221 ppm	0.1833 ppm	0.1521 ppm	2.0880 ppm	141.5492 ppm	7.2135 ppm	0.1082 ppm
Concentration per Run	0.0221 ppm	0.1812 ppm	0.1511 ppm	2.0965 ppm	143.0681 ppm	7.2816 ppm	0.1081 ppm
Concentration per Run	0.0224 ppm	0.1795 ppm	0.1504 ppm	2.0887 ppm	145.7634 ppm	7.4234 ppm	0.1088 ppm
Concentration RSD	0.7 %	1.0 %	0.6 %	0.2 %	1.5 %	1.5 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	28.1214 ppm	4.3429 ppm	0.0108 ppm	4.2441 ppm	0.4396 ppm	10.3715 ppm	0.0053 ppm
Concentration per Run	28.1513 ppm	4.3131 ppm	0.0106 ppm	4.2193 ppm	0.4416 ppm	10.2881 ppm	0.0086 ppm
Concentration per Run	28.1137 ppm	4.3254 ppm	0.0112 ppm	4.1630 ppm	0.4390 ppm	10.4012 ppm	0.0039 ppm
Concentration per Run	28.0992 ppm	4.3901 ppm	0.0105 ppm	4.3500 ppm	0.4383 ppm	10.4253 ppm	0.0033 ppm
Concentration RSD	0.1 %	1.0 %	3.8 %	2.3 %	0.4 %	0.7 %	55.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0065 ppm	6.2571 ppm	0.2692 ppm	0.3716 ppm	1.9721 ppm	-0.0018 ppm	0.1902 ppm
Concentration per Run	0.0091 ppm	6.3062 ppm	0.2720 ppm	0.3668 ppm	1.9763 ppm	-0.0018 ppm	0.1910 ppm
Concentration per Run	0.0064 ppm	6.2527 ppm	0.2703 ppm	0.3706 ppm	1.9754 ppm	-0.0023 ppm	0.1900 ppm
Concentration per Run	0.0040 ppm	6.2123 ppm	0.2651 ppm	0.3774 ppm	1.9646 ppm	-0.0013 ppm	0.1896 ppm
Concentration RSD	39.8 %	0.8 %	1.3 %	1.4 %	0.3 %	26.8 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	12.4349 ppm	96.4973 %	102.4521 %	93.8703 %	105.7859 %	116.4595 %	110.9534 %
Concentration per Run	12.4336 ppm	96.0709 %	103.8839 %	94.6657 %	105.5111 %	118.4692 %	111.6133 %
Concentration per Run	12.4712 ppm	96.2172 %	103.0111 %	92.9847 %	105.3148 %	113.5880 %	109.9122 %
Concentration per Run	12.3999 ppm	97.2039 %	100.4612 %	93.9606 %	106.5318 %	117.3212 %	111.3347 %
Concentration RSD	0.3 %	0.6 %	1.7 %	0.9 %	0.6 %	2.2 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558751-38d2 WG2118128
 Analysis started at: 9/24/2025 11:30:27 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 43

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0110 ppm	88.6946 ppm	0.0893 ppm	0.0718 ppm	2.1980 ppm	0.0065 ppm	49.2444 ppm
Concentration per Run	0.0107 ppm	88.8797 ppm	0.0890 ppm	0.0711 ppm	2.1790 ppm	0.0064 ppm	49.4050 ppm
Concentration per Run	0.0118 ppm	88.1822 ppm	0.0903 ppm	0.0721 ppm	2.1924 ppm	0.0064 ppm	49.0022 ppm
Concentration per Run	0.0106 ppm	89.0218 ppm	0.0885 ppm	0.0721 ppm	2.2227 ppm	0.0066 ppm	49.3261 ppm
Concentration RSD	6.1 %	0.5 %	1.1 %	0.8 %	1.0 %	1.8 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0223 ppm	0.1010 ppm	0.2588 ppm	1.7385 ppm	247.1017 ppm	15.6333 ppm	0.2285 ppm
Concentration per Run	0.0221 ppm	0.0998 ppm	0.2570 ppm	1.7207 ppm	246.3446 ppm	15.5268 ppm	0.2253 ppm
Concentration per Run	0.0223 ppm	0.1023 ppm	0.2600 ppm	1.7493 ppm	245.9845 ppm	15.5880 ppm	0.2265 ppm
Concentration per Run	0.0224 ppm	0.1010 ppm	0.2592 ppm	1.7455 ppm	248.9759 ppm	15.7852 ppm	0.2337 ppm
Concentration RSD	0.7 %	1.3 %	0.6 %	0.9 %	0.7 %	0.9 %	2.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	37.7369 ppm	4.3692 ppm	0.0076 ppm	4.8653 ppm	0.6050 ppm	7.3531 ppm	0.0258 ppm
Concentration per Run	37.3930 ppm	4.3746 ppm	0.0075 ppm	4.8276 ppm	0.5988 ppm	7.3357 ppm	0.0183 ppm
Concentration per Run	37.8780 ppm	4.3499 ppm	0.0076 ppm	4.8378 ppm	0.6084 ppm	7.3599 ppm	0.0323 ppm
Concentration per Run	37.9397 ppm	4.3830 ppm	0.0078 ppm	4.9304 ppm	0.6077 ppm	7.3638 ppm	0.0268 ppm
Concentration RSD	0.8 %	0.4 %	1.8 %	1.2 %	0.9 %	0.2 %	27.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0002 ppm	4.8789 ppm	0.6248 ppm	0.2251 ppm	3.8216 ppm	-0.0008 ppm	0.2475 ppm
Concentration per Run	-0.0021 ppm	4.8500 ppm	0.6155 ppm	0.2236 ppm	3.7829 ppm	0.0001 ppm	0.2457 ppm
Concentration per Run	-0.0021 ppm	4.9222 ppm	0.6290 ppm	0.2244 ppm	3.8342 ppm	0.0004 ppm	0.2481 ppm
Concentration per Run	0.0048 ppm	4.8645 ppm	0.6298 ppm	0.2272 ppm	3.8477 ppm	-0.0030 ppm	0.2487 ppm
Concentration RSD	1,915.6 %	0.8 %	1.3 %	0.8 %	0.9 %	222.6 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	6.8041 ppm	97.7667 %	102.4571 %	94.3508 %	101.2123 %	110.1105 %	104.9724 %
Concentration per Run	6.7173 ppm	98.6830 %	103.4534 %	94.0873 %	102.0011 %	111.0368 %	104.6234 %
Concentration per Run	6.8596 ppm	97.6356 %	103.6050 %	94.1781 %	101.2793 %	110.2745 %	104.7348 %
Concentration per Run	6.8355 ppm	96.9815 %	100.3128 %	94.7870 %	100.3565 %	109.0204 %	105.5589 %
Concentration RSD	1.1 %	0.9 %	1.8 %	0.4 %	0.8 %	0.9 %	0.5 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2558751-39d2 WG2118128
 Analysis started at: 9/24/2025 11:32:32 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 44

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0360 ppm	77.7077 ppm	0.2924 ppm	0.5749 ppm	7.7611 ppm	0.0056 ppm	210.1512 ppm
Concentration per Run	0.0360 ppm	78.3997 ppm	0.2959 ppm	0.5711 ppm	7.8440 ppm	0.0057 ppm	211.5517 ppm
Concentration per Run	0.0357 ppm	77.1844 ppm	0.2909 ppm	0.5713 ppm	7.6949 ppm	0.0055 ppm	209.1594 ppm
Concentration per Run	0.0362 ppm	77.5392 ppm	0.2903 ppm	0.5823 ppm	7.7442 ppm	0.0056 ppm	209.7424 ppm
Concentration RSD	0.8 %	0.8 %	1.1 %	1.1 %	1.0 %	1.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0946 ppm	0.1271 ppm	0.5361 ppm	7.9782 ppm	444.6406 ppm	14.7028 ppm	0.1232 ppm
Concentration per Run	0.0942 ppm	0.1256 ppm	0.5354 ppm	7.9416 ppm	448.5080 ppm	14.8744 ppm	0.1259 ppm
Concentration per Run	0.0942 ppm	0.1265 ppm	0.5309 ppm	7.9440 ppm	441.9136 ppm	14.5739 ppm	0.1212 ppm
Concentration per Run	0.0955 ppm	0.1291 ppm	0.5419 ppm	8.0491 ppm	443.5004 ppm	14.6601 ppm	0.1225 ppm
Concentration RSD	0.8 %	1.5 %	1.0 %	0.8 %	0.8 %	1.1 %	2.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	40.0477 ppm	5.0489 ppm	0.0390 ppm	13.3156 ppm	0.6022 ppm	44.2414 ppm	0.3361 ppm
Concentration per Run	39.8009 ppm	5.1085 ppm	0.0392 ppm	13.3934 ppm	0.5955 ppm	44.4014 ppm	0.3317 ppm
Concentration per Run	40.0015 ppm	5.0107 ppm	0.0392 ppm	13.3455 ppm	0.6016 ppm	44.3083 ppm	0.3376 ppm
Concentration per Run	40.3405 ppm	5.0275 ppm	0.0384 ppm	13.2079 ppm	0.6096 ppm	44.0146 ppm	0.3390 ppm
Concentration RSD	0.7 %	1.0 %	1.2 %	0.7 %	1.2 %	0.5 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0131 ppm	8.0215 ppm	3.0039 [SIC xx]	1.0052 ppm	2.6350 ppm	-0.0006 ppm	0.3010 ppm
Concentration per Run	0.0110 ppm	7.9975 ppm	3.0042 ppm	1.0154 ppm	2.6123 ppm	-0.0008 ppm	0.2994 ppm
Concentration per Run	0.0091 ppm	8.0115 ppm	2.9797 ppm	0.9965 ppm	2.6452 ppm	0.0007 ppm	0.3007 ppm
Concentration per Run	0.0191 ppm	8.0555 ppm	3.0277 ppm	1.0036 ppm	2.6475 ppm	-0.0018 ppm	0.3028 ppm
Concentration RSD	40.5 %	0.4 %	0.8 %	1.0 %	0.7 %	210.7 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	29.0499 ppm	94.8653 %	104.1414 %	89.1263 %	97.5757 %	106.5920 %	101.2218 %
Concentration per Run	28.9189 ppm	94.4666 %	103.2501 %	89.2687 %	96.7527 %	106.6074 %	101.3080 %
Concentration per Run	28.8579 ppm	95.7045 %	104.5238 %	88.7632 %	98.5889 %	106.1851 %	100.8727 %
Concentration per Run	29.3731 ppm	94.4248 %	104.6503 %	89.3472 %	97.3853 %	106.9836 %	101.4846 %
Concentration RSD	1.0 %	0.8 %	0.7 %	0.4 %	1.0 %	0.4 %	0.3 %

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2558751-40d2 WG2118128
 Analysis started at: 9/24/2025 11:34:36 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 45

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0120 ppm	75.5641 ppm	0.1478 ppm	0.1327 ppm	5.4046 ppm	0.0054 ppm	249.5841 ppm
Concentration per Run	0.0116 ppm	76.2432 ppm	0.1485 ppm	0.1340 ppm	5.4585 ppm	0.0054 ppm	251.7475 ppm
Concentration per Run	0.0115 ppm	75.3591 ppm	0.1453 ppm	0.1306 ppm	5.3787 ppm	0.0053 ppm	248.2493 ppm
Concentration per Run	0.0130 ppm	75.0900 ppm	0.1495 ppm	0.1336 ppm	5.3766 ppm	0.0054 ppm	248.7557 ppm
Concentration RSD	7.2 %	0.8 %	1.5 %	1.4 %	0.9 %	1.5 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0442 ppm	0.0958 ppm	0.3638 ppm	4.5361 ppm	280.2562 ppm	9.6716 ppm	0.1361 ppm
Concentration per Run	0.0445 ppm	0.0965 ppm	0.3634 ppm	4.5628 ppm	282.7611 ppm	9.7993 ppm	0.1400 ppm
Concentration per Run	0.0443 ppm	0.0959 ppm	0.3628 ppm	4.5248 ppm	279.1390 ppm	9.6342 ppm	0.1378 ppm
Concentration per Run	0.0439 ppm	0.0949 ppm	0.3651 ppm	4.5208 ppm	278.8685 ppm	9.5811 ppm	0.1304 ppm
Concentration RSD	0.8 %	0.8 %	0.3 %	0.5 %	0.8 %	1.2 %	3.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	117.3031 ppm	3.7487 ppm	0.0165 ppm	6.2601 ppm	0.4918 ppm	14.4789 ppm	0.1195 ppm
Concentration per Run	118.0339 ppm	3.7751 ppm	0.0167 ppm	6.3021 ppm	0.4933 ppm	14.4381 ppm	0.1225 ppm
Concentration per Run	117.1925 ppm	3.7469 ppm	0.0158 ppm	6.2873 ppm	0.4909 ppm	14.5143 ppm	0.1173 ppm
Concentration per Run	116.6829 ppm	3.7240 ppm	0.0168 ppm	6.1908 ppm	0.4911 ppm	14.4842 ppm	0.1187 ppm
Concentration RSD	0.6 %	0.7 %	3.5 %	1.0 %	0.3 %	0.3 %	2.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0103 ppm	5.0357 ppm	0.9202 ppm	0.6679 ppm	2.3523 ppm	0.0012 ppm	0.2752 ppm
Concentration per Run	0.0115 ppm	5.0323 ppm	0.9209 ppm	0.6746 ppm	2.3669 ppm	0.0031 ppm	0.2767 ppm
Concentration per Run	0.0140 ppm	5.0529 ppm	0.9264 ppm	0.6643 ppm	2.3539 ppm	0.0007 ppm	0.2742 ppm
Concentration per Run	0.0053 ppm	5.0218 ppm	0.9133 ppm	0.6647 ppm	2.3360 ppm	-0.0001 ppm	0.2747 ppm
Concentration RSD	44.0 %	0.3 %	0.7 %	0.9 %	0.7 %	135.8 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	15.7253 ppm	92.2564 %	100.5874 %	87.7589 %	94.5798 %	103.6555 %	98.9193 %
Concentration per Run	15.8493 ppm	92.1359 %	99.6340 %	87.3816 %	94.2640 %	102.9155 %	98.5218 %
Concentration per Run	15.6729 ppm	91.8110 %	100.4396 %	87.5648 %	94.0289 %	104.5319 %	98.6476 %
Concentration per Run	15.6537 ppm	92.8225 %	101.6888 %	88.3303 %	95.4465 %	103.5192 %	99.5884 %
Concentration RSD	0.7 %	0.6 %	1.0 %	0.6 %	0.8 %	0.8 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LDR Zn 30
 Analysis started at: 9/24/2025 11:39:11 AM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 46

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	0.0083 ppm	-0.0006 ppm	0.0006 ppm	0.0012 ppm	0.0001 ppm	0.0213 ppm
Concentration per Run	0.0012 ppm	0.0134 ppm	0.0015 ppm	0.0002 ppm	0.0012 ppm	0.0001 ppm	0.0178 ppm
Concentration per Run	0.0012 ppm	0.0064 ppm	-0.0022 ppm	0.0001 ppm	0.0013 ppm	0.0001 ppm	0.0211 ppm
Concentration per Run	0.0007 ppm	0.0052 ppm	-0.0010 ppm	0.0016 ppm	0.0012 ppm	0.0001 ppm	0.0250 ppm
Concentration RSD	28.0 %	52.7 %	330.9 %	133.3 %	7.7 %	19.7 %	16.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0003 ppm	-0.0006 ppm	-0.0002 ppm	0.0000 ppm	0.0033 ppm	0.0201 ppm	-0.0004 ppm
Concentration per Run	0.0003 ppm	-0.0010 ppm	0.0000 ppm	-0.0002 ppm	0.0025 ppm	0.0153 ppm	-0.0013 ppm
Concentration per Run	0.0003 ppm	-0.0004 ppm	-0.0005 ppm	0.0000 ppm	0.0024 ppm	0.0093 ppm	0.0016 ppm
Concentration per Run	0.0002 ppm	-0.0005 ppm	0.0001 ppm	0.0003 ppm	0.0049 ppm	0.0358 ppm	-0.0015 ppm
Concentration RSD	9.1 %	57.8 %	199.6 %	734.6 %	42.1 %	69.3 %	432.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0030 ppm	0.0005 ppm	0.0009 ppm	0.0039 ppm	-0.0003 ppm	0.0010 ppm	0.0017 ppm
Concentration per Run	0.0058 ppm	0.0004 ppm	0.0011 ppm	0.0064 ppm	0.0007 ppm	0.0009 ppm	0.0039 ppm
Concentration per Run	0.0010 ppm	0.0005 ppm	0.0010 ppm	-0.0041 ppm	-0.0019 ppm	-0.0002 ppm	0.0013 ppm
Concentration per Run	0.0021 ppm	0.0006 ppm	0.0006 ppm	0.0093 ppm	0.0004 ppm	0.0022 ppm	-0.0002 ppm
Concentration RSD	83.8 %	15.2 %	29.8 %	182.4 %	481.7 %	123.4 %	122.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0016 ppm	0.0157 ppm	-0.0004 ppm	0.0001 ppm	0.0008 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run	0.0007 ppm	0.0126 ppm	-0.0010 ppm	0.0001 ppm	0.0009 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run	0.0025 ppm	0.0195 ppm	0.0005 ppm	0.0001 ppm	0.0010 ppm	0.0042 ppm	0.0001 ppm
Concentration per Run	0.0016 ppm	0.0152 ppm	-0.0006 ppm	0.0001 ppm	0.0005 ppm	0.0009 ppm	0.0001 ppm
Concentration RSD	56.3 %	22.2 %	200.6 %	17.2 %	31.9 %	156.9 %	91.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	29.5467 ppm	100.1981 %	105.1850 %	102.4848 %	99.3214 %	101.7243 %	103.2545 %
Concentration per Run	29.3065 ppm	101.2529 %	105.9451 %	102.7438 %	100.0383 %	103.1270 %	103.5469 %
Concentration per Run	29.3790 ppm	100.1700 %	105.4281 %	102.2536 %	99.3647 %	102.0315 %	102.9396 %
Concentration per Run	29.9545 ppm	99.1715 %	104.1819 %	102.4570 %	98.5612 %	100.0144 %	103.2769 %
Concentration RSD	1.2 %	1.0 %	0.9 %	0.2 %	0.7 %	1.6 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 11:41:16 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4950 ppm	0.4858 ppm	0.4821 ppm	0.4901 ppm	0.4943 ppm	0.5052 ppm	0.5040 ppm
Concentration per Run	0.4939 ppm	0.4738 ppm	0.4911 ppm	0.4850 ppm	0.4964 ppm	0.5042 ppm	0.4982 ppm
Concentration per Run	0.4953 ppm	0.4907 ppm	0.4807 ppm	0.4903 ppm	0.4924 ppm	0.5064 ppm	0.5055 ppm
Concentration per Run	0.4959 ppm	0.4928 ppm	0.4745 ppm	0.4949 ppm	0.4941 ppm	0.5048 ppm	0.5085 ppm
Recovery Percentage	99.008 %	97.157 %	96.424 %	98.015 %	98.858 %	101.032 %	100.808 %
Concentration RSD	0.2 %	2.1 %	1.7 %	1.0 %	0.4 %	0.2 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5001 ppm	0.5117 ppm	0.5002 ppm	0.5110 ppm	0.4959 ppm	5.1575 ppm	0.5039 ppm
Concentration per Run	0.4978 ppm	0.5083 ppm	0.4965 ppm	0.5078 ppm	0.4977 ppm	5.1586 ppm	0.4999 ppm
Concentration per Run	0.4993 ppm	0.5137 ppm	0.5013 ppm	0.5119 ppm	0.4987 ppm	5.1398 ppm	0.5078 ppm
Concentration per Run	0.5030 ppm	0.5129 ppm	0.5028 ppm	0.5133 ppm	0.4912 ppm	5.1741 ppm	0.5038 ppm
Recovery Percentage	100.012 %	102.330 %	100.033 %	102.202 %	99.173 %	103.150 %	100.771 %
Concentration RSD	0.5 %	0.6 %	0.7 %	0.6 %	0.8 %	0.3 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5009 ppm	0.5054 ppm	0.4927 ppm	10.0293 ppm	0.5181 ppm	0.5087 ppm	0.5055 ppm
Concentration per Run	0.5021 ppm	0.5023 ppm	0.4895 ppm	9.8989 ppm	0.5153 ppm	0.5115 ppm	0.5039 ppm
Concentration per Run	0.4995 ppm	0.5092 ppm	0.4920 ppm	10.2617 ppm	0.5191 ppm	0.5087 ppm	0.5030 ppm
Concentration per Run	0.5012 ppm	0.5047 ppm	0.4967 ppm	9.9273 ppm	0.5199 ppm	0.5059 ppm	0.5096 ppm
Recovery Percentage	100.181 %	101.088 %	98.545 %	100.293 %	103.623 %	101.743 %	101.100 %
Concentration RSD	0.3 %	0.7 %	0.7 %	2.0 %	0.5 %	0.5 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4920 ppm	5.3635 ppm	0.4960 ppm	0.4991 ppm	0.4971 ppm	0.5080 ppm	0.5058 ppm
Concentration per Run	0.4903 ppm	5.3483 ppm	0.4922 ppm	0.5007 ppm	0.4952 ppm	0.5117 ppm	0.5033 ppm
Concentration per Run	0.4980 ppm	5.3592 ppm	0.4981 ppm	0.4971 ppm	0.4972 ppm	0.5092 ppm	0.5063 ppm
Concentration per Run	0.4877 ppm	5.3829 ppm	0.4977 ppm	0.4994 ppm	0.4990 ppm	0.5031 ppm	0.5078 ppm
Recovery Percentage	98.395 %	102.161 %	99.199 %	99.814 %	99.425 %	101.600 %	101.164 %
Concentration RSD	1.1 %	0.3 %	0.7 %	0.4 %	0.4 %	0.9 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5085 ppm	100.8200 %	103.3603 %	101.2063 %	97.3070 %	99.5858 %	100.3233 %
Concentration per Run	0.5050 ppm	101.5112 %	104.3645 %	100.7019 %	97.8510 %	98.2015 %	99.9525 %
Concentration per Run	0.5089 ppm	100.7977 %	102.0550 %	101.0012 %	97.2880 %	101.7193 %	99.9605 %
Concentration per Run	0.5115 ppm	100.1510 %	103.6613 %	101.9157 %	96.7820 %	98.8366 %	101.0569 %
Recovery Percentage	101.694 %						
Concentration RSD	0.6 %	0.7 %	1.1 %	0.6 %	0.5 %	1.9 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 11:43:21 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	0.0024 ppm	0.0005 ppm	0.0007 ppm	0.0002 ppm	0.0001 ppm	0.0094 ppm
Concentration per Run	0.0006 ppm	0.0117 ppm	-0.0024 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0074 ppm
Concentration per Run	0.0001 ppm	0.0064 ppm	0.0017 ppm	0.0024 ppm	0.0003 ppm	0.0001 ppm	0.0130 ppm
Concentration per Run	0.0003 ppm	-0.0109 ppm	0.0022 ppm	-0.0007 ppm	0.0003 ppm	0.0001 ppm	0.0078 ppm
Recovery Percentage	4.768 %	2.410 %	9.864 %	2.355 %	2.369 %	1.855 %	9.373 %
Concentration RSD	65.7 %	489.7 %	514.6 %	219.4 %	26.1 %	47.9 %	33.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0006 ppm	0.0001 ppm	-0.0005 ppm	0.0009 ppm	-0.0020 ppm	-0.0008 ppm
Concentration per Run	0.0000 ppm	-0.0007 ppm	-0.0002 ppm	-0.0005 ppm	0.0015 ppm	-0.0025 ppm	0.0008 ppm
Concentration per Run	-0.0001 ppm	-0.0010 ppm	0.0001 ppm	-0.0007 ppm	-0.0015 ppm	0.0339 ppm	-0.0016 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	-0.0002 ppm	0.0026 ppm	-0.0373 ppm	-0.0016 ppm
Recovery Percentage	-1.486 %	-2.877 %	1.031 %	-4.621 %	1.754 %	-0.079 %	-15.800 %
Concentration RSD	91.0 %	77.5 %	315.3 %	53.5 %	240.6 %	1,807.7 %	169.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0017 ppm	0.0002 ppm	0.0008 ppm	0.0064 ppm	-0.0004 ppm	-0.0002 ppm	-0.0017 ppm
Concentration per Run	-0.0019 ppm	0.0003 ppm	0.0010 ppm	0.0011 ppm	0.0010 ppm	-0.0003 ppm	-0.0073 ppm
Concentration per Run	-0.0044 ppm	0.0004 ppm	0.0011 ppm	0.0130 ppm	-0.0014 ppm	-0.0009 ppm	0.0006 ppm
Concentration per Run	0.0011 ppm	-0.0001 ppm	0.0005 ppm	0.0050 ppm	-0.0008 ppm	0.0007 ppm	0.0018 ppm
Recovery Percentage	-1.742 %	1.842 %	1.661 %	0.318 %	-1.543 %	-1.721 %	-3.318 %
Concentration RSD	157.9 %	152.3 %	38.9 %	95.3 %	317.4 %	473.9 %	296.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0023 ppm	0.0080 ppm	0.0007 ppm	-0.0001 ppm	0.0007 ppm	-0.0010 ppm	-0.0003 ppm
Concentration per Run	-0.0031 ppm	0.0078 ppm	0.0015 ppm	-0.0001 ppm	0.0008 ppm	-0.0022 ppm	-0.0005 ppm
Concentration per Run	-0.0055 ppm	0.0092 ppm	-0.0003 ppm	-0.0001 ppm	0.0005 ppm	-0.0012 ppm	0.0000 ppm
Concentration per Run	0.0017 ppm	0.0069 ppm	0.0009 ppm	-0.0001 ppm	0.0008 ppm	0.0003 ppm	-0.0003 ppm
Recovery Percentage	-23.269 %	1.593 %	1.457 %	-1.123 %	6.572 %	-5.215 %	-2.610 %
Concentration RSD	156.8 %	14.3 %	129.3 %	14.9 %	25.3 %	119.0 %	81.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	99.0342 %	101.9657 %	101.1813 %	97.3478 %	98.7527 %	101.6798 %
Concentration per Run	0.0005 ppm	98.3300 %	100.8649 %	101.3855 %	96.6983 %	98.9318 %	101.8054 %
Concentration per Run	0.0010 ppm	98.7633 %	103.5462 %	101.2285 %	96.9960 %	98.6368 %	101.8006 %
Concentration per Run	0.0007 ppm	100.0094 %	101.4859 %	100.9300 %	98.3493 %	98.6895 %	101.4334 %
Recovery Percentage	14.862 %						
Concentration RSD	29.1 %	0.9 %	1.4 %	0.2 %	0.9 %	0.2 %	0.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2116757-1 WG2116757
 Analysis started at: 9/24/2025 12:07:38 PM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 47

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	0.0039 ppm	-0.0015 ppm	-0.0008 ppm	0.0004 ppm	0.0000 ppm	0.0157 ppm
Concentration per Run	0.0004 ppm	-0.0069 ppm	0.0007 ppm	-0.0006 ppm	0.0004 ppm	0.0001 ppm	0.0177 ppm
Concentration per Run	-0.0004 ppm	0.0131 ppm	-0.0032 ppm	-0.0013 ppm	0.0004 ppm	0.0000 ppm	0.0166 ppm
Concentration per Run	0.0007 ppm	0.0057 ppm	-0.0019 ppm	-0.0005 ppm	0.0005 ppm	0.0001 ppm	0.0128 ppm
Concentration RSD	240.4 %	256.9 %	135.8 %	50.4 %	16.1 %	72.0 %	16.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0357 ppm	0.0394 ppm	-0.0005 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0353 ppm	0.0574 ppm	-0.0008 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0354 ppm	0.0182 ppm	0.0024 ppm
Concentration per Run	-0.0002 ppm	-0.0007 ppm	0.0000 ppm	-0.0008 ppm	0.0364 ppm	0.0427 ppm	-0.0031 ppm
Concentration RSD	236.8 %	111.9 %	135.1 %	379.6 %	1.6 %	50.1 %	551.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0029 ppm	0.0004 ppm	0.0009 ppm	0.0075 ppm	0.0006 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run	0.0037 ppm	0.0002 ppm	0.0009 ppm	0.0063 ppm	0.0006 ppm	-0.0004 ppm	-0.0024 ppm
Concentration per Run	0.0023 ppm	0.0005 ppm	0.0009 ppm	0.0041 ppm	-0.0002 ppm	-0.0008 ppm	0.0051 ppm
Concentration per Run	0.0027 ppm	0.0005 ppm	0.0009 ppm	0.0121 ppm	0.0014 ppm	0.0007 ppm	-0.0027 ppm
Concentration RSD	25.7 %	35.3 %	1.5 %	55.0 %	134.4 %	503.1 %	139,160.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0020 ppm	0.0130 ppm	0.0101 ppm	-0.0001 ppm	0.0004 ppm	-0.0010 ppm	-0.0002 ppm
Concentration per Run	-0.0029 ppm	0.0133 ppm	0.0101 ppm	-0.0001 ppm	0.0006 ppm	-0.0008 ppm	0.0000 ppm
Concentration per Run	-0.0012 ppm	0.0129 ppm	0.0104 ppm	-0.0001 ppm	0.0004 ppm	-0.0002 ppm	-0.0003 ppm
Concentration per Run	-0.0020 ppm	0.0130 ppm	0.0097 ppm	-0.0001 ppm	0.0003 ppm	-0.0019 ppm	-0.0002 ppm
Concentration RSD	39.7 %	1.8 %	3.6 %	36.3 %	41.4 %	91.1 %	85.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0021 ppm	96.7391 %	104.0449 %	99.8051 %	95.3371 %	100.4681 %	101.4957 %
Concentration per Run	0.0023 ppm	96.5371 %	104.7745 %	99.5318 %	94.9494 %	99.7300 %	101.2584 %
Concentration per Run	0.0021 ppm	97.0539 %	103.4321 %	99.3853 %	95.5742 %	101.2521 %	100.9933 %
Concentration per Run	0.0019 ppm	96.6262 %	103.9282 %	100.4981 %	95.4877 %	100.4223 %	102.2352 %
Concentration RSD	11.2 %	0.3 %	0.7 %	0.6 %	0.4 %	0.8 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2116757-2d2 WG2116757
 Analysis started at: 9/24/2025 12:09:55 PM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 48

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0558 ppm	2.5154 ppm	0.1309 ppm	1.0963 ppm	2.2318 ppm	0.0577 ppm	11.6095 ppm
Concentration per Run	0.0552 ppm	2.5209 ppm	0.1272 ppm	1.0865 ppm	2.2244 ppm	0.0575 ppm	11.5449 ppm
Concentration per Run	0.0565 ppm	2.5163 ppm	0.1314 ppm	1.1007 ppm	2.2183 ppm	0.0574 ppm	11.5724 ppm
Concentration per Run	0.0558 ppm	2.5092 ppm	0.1341 ppm	1.1018 ppm	2.2527 ppm	0.0582 ppm	11.7112 ppm
Concentration RSD	1.1 %	0.2 %	2.7 %	0.8 %	0.8 %	0.7 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0577 ppm	0.5534 ppm	0.2198 ppm	0.2807 ppm	1.1497 ppm	11.5603 ppm	-0.0020 ppm
Concentration per Run	0.0574 ppm	0.5487 ppm	0.2182 ppm	0.2782 ppm	1.1411 ppm	11.5478 ppm	0.0004 ppm
Concentration per Run	0.0579 ppm	0.5551 ppm	0.2186 ppm	0.2805 ppm	1.1440 ppm	11.4488 ppm	-0.0042 ppm
Concentration per Run	0.0579 ppm	0.5565 ppm	0.2227 ppm	0.2835 ppm	1.1640 ppm	11.6843 ppm	-0.0022 ppm
Concentration RSD	0.6 %	0.8 %	1.1 %	0.9 %	1.1 %	1.0 %	117.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	11.0579 ppm	0.5657 ppm	1.1037 [SIC xx]	11.2529 ppm	0.5639 ppm	0.5933 ppm	0.5674 ppm
Concentration per Run	10.9588 ppm	0.5639 ppm	1.0984 ppm	11.1898 ppm	0.5605 ppm	0.5899 ppm	0.5624 ppm
Concentration per Run	11.0910 ppm	0.5658 ppm	1.1088 ppm	11.3604 ppm	0.5630 ppm	0.5987 ppm	0.5685 ppm
Concentration per Run	11.1237 ppm	0.5672 ppm	1.1039 ppm	11.2085 ppm	0.5684 ppm	0.5913 ppm	0.5714 ppm
Concentration RSD	0.8 %	0.3 %	0.5 %	0.8 %	0.7 %	0.8 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1331 ppm	1.0996 ppm	1.0904 [SIC xx]	1.1075 ppm	1.1057 ppm	0.1343 ppm	0.5723 ppm
Concentration per Run	0.1358 ppm	1.0912 ppm	1.0781 ppm	1.1083 ppm	1.0939 ppm	0.1336 ppm	0.5676 ppm
Concentration per Run	0.1301 ppm	1.1031 ppm	1.0990 ppm	1.1002 ppm	1.1089 ppm	0.1337 ppm	0.5733 ppm
Concentration per Run	0.1333 ppm	1.1044 ppm	1.0941 ppm	1.1139 ppm	1.1142 ppm	0.1355 ppm	0.5760 ppm
Concentration RSD	2.2 %	0.7 %	1.0 %	0.6 %	1.0 %	0.8 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5567 ppm	100.3185 %	103.4574 %	99.2983 %	97.1268 %	98.9607 %	99.8939 %
Concentration per Run	0.5512 ppm	101.2837 %	103.8057 %	99.8480 %	98.1610 %	98.3548 %	100.5972 %
Concentration per Run	0.5593 ppm	99.6992 %	104.1611 %	98.8297 %	96.3753 %	100.9368 %	99.5048 %
Concentration per Run	0.5596 ppm	99.9727 %	102.4054 %	99.2171 %	96.8440 %	97.5904 %	99.5796 %
Concentration RSD	0.9 %	0.8 %	0.9 %	0.5 %	1.0 %	1.8 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557295-04d2 WG2116757
 Analysis started at: 9/24/2025 12:12:02 PM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 54

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	34.9673 ppm	0.0838 ppm	0.0022 ppm	0.1888 ppm	0.0013 ppm	2.7405 ppm
Concentration per Run	-0.0005 ppm	34.8541 ppm	0.0851 ppm	0.0042 ppm	0.1887 ppm	0.0012 ppm	2.7356 ppm
Concentration per Run	0.0007 ppm	34.8225 ppm	0.0849 ppm	0.0000 ppm	0.1881 ppm	0.0014 ppm	2.7376 ppm
Concentration per Run	0.0008 ppm	35.2253 ppm	0.0814 ppm	0.0024 ppm	0.1897 ppm	0.0011 ppm	2.7482 ppm
Concentration RSD	216.9 %	0.6 %	2.5 %	95.3 %	0.4 %	12.7 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0149 ppm	0.0669 ppm	0.0722 ppm	67.0242 ppm	16.1900 ppm	0.1703 ppm
Concentration per Run	0.0001 ppm	0.0147 ppm	0.0667 ppm	0.0728 ppm	66.8355 ppm	16.1170 ppm	0.1695 ppm
Concentration per Run	0.0000 ppm	0.0149 ppm	0.0675 ppm	0.0725 ppm	66.7257 ppm	16.1019 ppm	0.1709 ppm
Concentration per Run	0.0000 ppm	0.0151 ppm	0.0665 ppm	0.0713 ppm	67.5113 ppm	16.3509 ppm	0.1704 ppm
Concentration RSD	215.1 %	1.4 %	0.7 %	1.1 %	0.6 %	0.9 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	14.3913 ppm	0.6041 ppm	0.0040 ppm	0.9721 ppm	0.0411 ppm	0.0239 ppm	-0.0003 ppm
Concentration per Run	14.4982 ppm	0.6013 ppm	0.0040 ppm	0.9586 ppm	0.0416 ppm	0.0236 ppm	0.0024 ppm
Concentration per Run	14.3352 ppm	0.6060 ppm	0.0045 ppm	0.9886 ppm	0.0401 ppm	0.0227 ppm	-0.0039 ppm
Concentration per Run	14.3406 ppm	0.6049 ppm	0.0035 ppm	0.9691 ppm	0.0415 ppm	0.0253 ppm	0.0007 ppm
Concentration RSD	0.6 %	0.4 %	12.8 %	1.6 %	2.0 %	5.6 %	1,229.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0021 ppm	6.7408 ppm	0.0090 ppm	0.0090 ppm	2.8309 ppm	0.0015 ppm	0.0893 ppm
Concentration per Run	-0.0016 ppm	6.7912 ppm	0.0088 ppm	0.0090 ppm	2.8472 ppm	0.0039 ppm	0.0895 ppm
Concentration per Run	-0.0084 ppm	6.7192 ppm	0.0097 ppm	0.0090 ppm	2.8244 ppm	-0.0001 ppm	0.0890 ppm
Concentration per Run	0.0039 ppm	6.7119 ppm	0.0085 ppm	0.0091 ppm	2.8211 ppm	0.0006 ppm	0.0894 ppm
Concentration RSD	297.4 %	0.7 %	7.1 %	0.6 %	0.5 %	144.8 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1269 ppm	97.6615 %	100.5286 %	97.0251 %	95.2838 %	99.1082 %	99.2175 %
Concentration per Run	0.1278 ppm	97.0006 %	101.9006 %	97.7219 %	94.5599 %	98.6561 %	99.8707 %
Concentration per Run	0.1263 ppm	98.1332 %	99.2005 %	96.6636 %	95.7949 %	100.5981 %	98.9571 %
Concentration per Run	0.1265 ppm	97.8506 %	100.4846 %	96.6898 %	95.4967 %	98.0705 %	98.8247 %
Concentration RSD	0.7 %	0.6 %	1.3 %	0.6 %	0.7 %	1.3 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557321-01d2 WG2116757
 Analysis started at: 9/24/2025 12:14:06 PM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 55

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0024 ppm	45.4041 ppm	0.0025 ppm	0.0089 ppm	0.2292 ppm	0.0002 ppm	9.8379 ppm
Concentration per Run	0.0033 ppm	45.3465 ppm	0.0040 ppm	0.0069 ppm	0.2296 ppm	0.0001 ppm	9.8827 ppm
Concentration per Run	0.0023 ppm	45.6433 ppm	-0.0012 ppm	0.0103 ppm	0.2308 ppm	0.0002 ppm	9.8845 ppm
Concentration per Run	0.0016 ppm	45.2223 ppm	0.0047 ppm	0.0095 ppm	0.2273 ppm	0.0002 ppm	9.7466 ppm
Concentration RSD	36.6 %	0.5 %	130.3 %	20.2 %	0.8 %	42.9 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	0.0010 ppm	0.0083 ppm	0.3683 ppm	4.9784 ppm	1.3750 ppm	-0.0010 ppm
Concentration per Run	0.0001 ppm	0.0011 ppm	0.0084 ppm	0.3686 ppm	4.9825 ppm	1.4072 ppm	-0.0018 ppm
Concentration per Run	0.0002 ppm	0.0008 ppm	0.0084 ppm	0.3691 ppm	5.0180 ppm	1.3615 ppm	-0.0002 ppm
Concentration per Run	0.0004 ppm	0.0011 ppm	0.0080 ppm	0.3672 ppm	4.9347 ppm	1.3562 ppm	-0.0011 ppm
Concentration RSD	46.4 %	19.9 %	3.0 %	0.3 %	0.8 %	2.0 %	78.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.8340 ppm	0.3300 ppm	0.0050 ppm	2.0437 ppm	0.0104 ppm	0.0199 ppm	0.0023 ppm
Concentration per Run	0.8384 ppm	0.3309 ppm	0.0055 ppm	2.0478 ppm	0.0102 ppm	0.0203 ppm	-0.0032 ppm
Concentration per Run	0.8348 ppm	0.3311 ppm	0.0050 ppm	2.0538 ppm	0.0102 ppm	0.0207 ppm	0.0050 ppm
Concentration per Run	0.8287 ppm	0.3278 ppm	0.0045 ppm	2.0294 ppm	0.0108 ppm	0.0187 ppm	0.0053 ppm
Concentration RSD	0.6 %	0.6 %	9.5 %	0.6 %	3.2 %	5.4 %	205.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0040 ppm	1.2144 ppm	0.0200 ppm	0.0536 ppm	0.0406 ppm	0.0010 ppm	0.0025 ppm
Concentration per Run	0.0018 ppm	1.2131 ppm	0.0201 ppm	0.0536 ppm	0.0408 ppm	0.0001 ppm	0.0029 ppm
Concentration per Run	0.0087 ppm	1.2087 ppm	0.0199 ppm	0.0540 ppm	0.0415 ppm	0.0008 ppm	0.0023 ppm
Concentration per Run	0.0015 ppm	1.2214 ppm	0.0199 ppm	0.0533 ppm	0.0396 ppm	0.0022 ppm	0.0023 ppm
Concentration RSD	102.0 %	0.5 %	0.6 %	0.7 %	2.3 %	103.0 %	14.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4033 ppm	101.3455 %	104.8169 %	100.9794 %	98.4860 %	101.5053 %	102.9932 %
Concentration per Run	1.4076 ppm	100.3594 %	103.8358 %	101.2313 %	97.9619 %	100.5674 %	103.2184 %
Concentration per Run	1.4045 ppm	101.3078 %	104.4177 %	100.8810 %	98.3763 %	101.1026 %	102.9139 %
Concentration per Run	1.3976 ppm	102.3692 %	106.1973 %	100.8260 %	99.1197 %	102.8458 %	102.8472 %
Concentration RSD	0.4 %	1.0 %	1.2 %	0.2 %	0.6 %	1.2 %	0.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557348-01d2 WG2116757
 Analysis started at: 9/24/2025 12:16:11 PM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 56

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0025 ppm	98.8127 ppm	0.0398 ppm	0.0288 ppm	0.8520 ppm	0.0035 ppm	115.6780 ppm
Concentration per Run	0.0029 ppm	97.6578 ppm	0.0381 ppm	0.0285 ppm	0.8479 ppm	0.0034 ppm	114.2776 ppm
Concentration per Run	0.0026 ppm	100.2022 ppm	0.0419 ppm	0.0275 ppm	0.8510 ppm	0.0036 ppm	117.1701 ppm
Concentration per Run	0.0022 ppm	98.5781 ppm	0.0393 ppm	0.0304 ppm	0.8571 ppm	0.0034 ppm	115.5863 ppm
Concentration RSD	14.7 %	1.3 %	4.9 %	5.0 %	0.5 %	2.9 %	1.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0004 ppm	0.0997 ppm	0.3102 ppm	0.3273 ppm	175.4361 ppm	20.0272 ppm	0.1026 ppm
Concentration per Run	0.0004 ppm	0.0990 ppm	0.3068 ppm	0.3232 ppm	173.9853 ppm	19.8457 ppm	0.1036 ppm
Concentration per Run	0.0005 ppm	0.1004 ppm	0.3109 ppm	0.3289 ppm	176.8729 ppm	20.2255 ppm	0.1023 ppm
Concentration per Run	0.0004 ppm	0.0996 ppm	0.3128 ppm	0.3300 ppm	175.4502 ppm	20.0104 ppm	0.1018 ppm
Concentration RSD	7.0 %	0.7 %	1.0 %	1.1 %	0.8 %	1.0 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	53.9589 ppm	4.9627 ppm	0.0102 ppm	7.8512 ppm	0.4880 ppm	0.4299 ppm	-0.0035 ppm
Concentration per Run	53.2932 ppm	4.9035 ppm	0.0098 ppm	7.7108 ppm	0.4830 ppm	0.4287 ppm	-0.0019 ppm
Concentration per Run	54.0486 ppm	5.0293 ppm	0.0105 ppm	8.0165 ppm	0.4906 ppm	0.4296 ppm	-0.0011 ppm
Concentration per Run	54.5349 ppm	4.9553 ppm	0.0102 ppm	7.8262 ppm	0.4904 ppm	0.4315 ppm	-0.0073 ppm
Concentration RSD	1.2 %	1.3 %	3.0 %	2.0 %	0.9 %	0.3 %	98.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0036 ppm	12.7368 [SIC 100]	0.0276 ppm	0.3203 ppm	6.5508 ppm	0.0007 ppm	0.2893 ppm
Concentration per Run	0.0016 ppm	12.6105 ppm	0.0271 ppm	0.3179 ppm	6.4685 ppm	0.0009 ppm	0.2848 ppm
Concentration per Run	0.0043 ppm	12.7780 ppm	0.0279 ppm	0.3208 ppm	6.5648 ppm	0.0014 ppm	0.2904 ppm
Concentration per Run	0.0049 ppm	12.8220 ppm	0.0278 ppm	0.3223 ppm	6.6191 ppm	-0.0002 ppm	0.2927 ppm
Concentration RSD	50.0 %	0.9 %	1.6 %	0.7 %	1.2 %	111.7 %	1.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0478 ppm	97.6005 %	104.2921 %	93.3950 %	98.5461 %	105.2751 %	102.4904 %
Concentration per Run	1.0344 ppm	98.4031 %	103.3382 %	93.0374 %	99.1933 %	102.8696 %	102.0322 %
Concentration per Run	1.0521 ppm	97.7952 %	103.1289 %	93.6126 %	98.6694 %	106.2709 %	102.6932 %
Concentration per Run	1.0569 ppm	96.6033 %	106.4093 %	93.5349 %	97.7757 %	106.6849 %	102.7459 %
Concentration RSD	1.1 %	0.9 %	1.8 %	0.3 %	0.7 %	2.0 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557440-01d2 WG2116757
 Analysis started at: 9/24/2025 12:18:16 PM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 49

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	82.5549 ppm	0.2026 ppm	0.0029 ppm	0.5149 ppm	0.0033 ppm	15.3686 ppm
Concentration per Run	0.0016 ppm	82.2040 ppm	0.1979 ppm	0.0046 ppm	0.5147 ppm	0.0031 ppm	15.2877 ppm
Concentration per Run	0.0007 ppm	83.0059 ppm	0.2041 ppm	0.0024 ppm	0.5160 ppm	0.0034 ppm	15.4662 ppm
Concentration per Run	0.0005 ppm	82.4550 ppm	0.2058 ppm	0.0018 ppm	0.5140 ppm	0.0034 ppm	15.3520 ppm
Concentration RSD	61.0 %	0.5 %	2.1 %	50.4 %	0.2 %	4.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0015 ppm	0.0870 ppm	0.2966 ppm	0.2958 ppm	185.4469 ppm	18.9646 ppm	0.1479 ppm
Concentration per Run	0.0013 ppm	0.0867 ppm	0.2949 ppm	0.2941 ppm	184.9623 ppm	18.8947 ppm	0.1503 ppm
Concentration per Run	0.0015 ppm	0.0858 ppm	0.2963 ppm	0.2963 ppm	186.5266 ppm	19.0831 ppm	0.1486 ppm
Concentration per Run	0.0016 ppm	0.0884 ppm	0.2988 ppm	0.2970 ppm	184.8517 ppm	18.9160 ppm	0.1449 ppm
Concentration RSD	10.7 %	1.5 %	0.7 %	0.5 %	0.5 %	0.5 %	1.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	49.5032 ppm	5.9908 ppm	0.0064 ppm	3.0199 ppm	0.3279 ppm	0.6624 ppm	-0.0058 ppm
Concentration per Run	49.1447 ppm	5.9575 ppm	0.0064 ppm	2.9731 ppm	0.3268 ppm	0.6627 ppm	-0.0053 ppm
Concentration per Run	49.6343 ppm	6.0201 ppm	0.0064 ppm	3.0570 ppm	0.3262 ppm	0.6601 ppm	-0.0062 ppm
Concentration per Run	49.7306 ppm	5.9947 ppm	0.0065 ppm	3.0296 ppm	0.3307 ppm	0.6644 ppm	-0.0057 ppm
Concentration RSD	0.6 %	0.5 %	0.7 %	1.4 %	0.8 %	0.3 %	8.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0003 ppm	5.1718 ppm	0.0152 ppm	0.0723 ppm	4.6016 ppm	0.0011 ppm	0.2269 ppm
Concentration per Run	-0.0021 ppm	5.1317 ppm	0.0145 ppm	0.0722 ppm	4.5497 ppm	0.0013 ppm	0.2250 ppm
Concentration per Run	0.0030 ppm	5.1673 ppm	0.0162 ppm	0.0726 ppm	4.6294 ppm	0.0023 ppm	0.2273 ppm
Concentration per Run	-0.0018 ppm	5.2162 ppm	0.0151 ppm	0.0720 ppm	4.6255 ppm	-0.0003 ppm	0.2284 ppm
Concentration RSD	914.8 %	0.8 %	5.6 %	0.4 %	1.0 %	120.6 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6158 ppm	98.7489 %	105.0205 %	96.9887 %	100.8315 %	105.6507 %	105.6548 %
Concentration per Run	0.6120 ppm	99.0533 %	105.9771 %	97.1416 %	100.9924 %	104.6848 %	105.8663 %
Concentration per Run	0.6150 ppm	98.2955 %	103.8847 %	97.2558 %	100.9438 %	106.3053 %	105.8803 %
Concentration per Run	0.6204 ppm	98.8981 %	105.1998 %	96.5687 %	100.5583 %	105.9619 %	105.2178 %
Concentration RSD	0.7 %	0.4 %	1.0 %	0.4 %	0.2 %	0.8 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2116757-3d2 WG2116757
 Analysis started at: 9/24/2025 12:20:21 PM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 50

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0547 ppm	100.1657 ppm	0.3777 ppm	1.0551 ppm	2.5667 ppm	0.0588 ppm	25.1934 ppm
Concentration per Run	0.0544 ppm	99.9121 ppm	0.3808 ppm	1.0465 ppm	2.5513 ppm	0.0585 ppm	25.1756 ppm
Concentration per Run	0.0547 ppm	100.2186 ppm	0.3815 ppm	1.0499 ppm	2.5704 ppm	0.0587 ppm	25.2280 ppm
Concentration per Run	0.0551 ppm	100.3663 ppm	0.3708 ppm	1.0687 ppm	2.5783 ppm	0.0593 ppm	25.1766 ppm
Concentration RSD	0.6 %	0.2 %	1.6 %	1.1 %	0.5 %	0.7 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0560 ppm	0.6277 ppm	0.5504 ppm	0.5371 ppm	236.7558 ppm	34.5377 ppm	0.1582 ppm
Concentration per Run	0.0559 ppm	0.6293 ppm	0.5482 ppm	0.5362 ppm	235.1644 ppm	34.2382 ppm	0.1593 ppm
Concentration per Run	0.0553 ppm	0.6206 ppm	0.5442 ppm	0.5316 ppm	235.9682 ppm	34.5330 ppm	0.1594 ppm
Concentration per Run	0.0569 ppm	0.6332 ppm	0.5588 ppm	0.5435 ppm	239.1347 ppm	34.8420 ppm	0.1560 ppm
Concentration RSD	1.5 %	1.0 %	1.4 %	1.1 %	0.9 %	0.9 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	71.2231 ppm	5.0350 ppm	1.0581 [SIC xx]	15.5144 ppm	0.9053 ppm	0.8408 ppm	0.2745 ppm
Concentration per Run	70.5973 ppm	5.0121 ppm	1.0512 ppm	15.5719 ppm	0.8996 ppm	0.8404 ppm	0.2699 ppm
Concentration per Run	70.9616 ppm	5.0415 ppm	1.0526 ppm	15.4235 ppm	0.8987 ppm	0.8432 ppm	0.2729 ppm
Concentration per Run	72.1104 ppm	5.0514 ppm	1.0706 ppm	15.5476 ppm	0.9177 ppm	0.8389 ppm	0.2807 ppm
Concentration RSD	1.1 %	0.4 %	1.0 %	0.5 %	1.2 %	0.3 %	2.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1263 ppm	10.9079 [SIC 100]	1.0389 [SIC xx]	1.1223 ppm	6.8626 ppm	0.1312 ppm	0.8247 ppm
Concentration per Run	0.1299 ppm	10.7958 ppm	1.0283 ppm	1.1105 ppm	6.7854 ppm	0.1324 ppm	0.8160 ppm
Concentration per Run	0.1300 ppm	10.8960 ppm	1.0398 ppm	1.1280 ppm	6.8736 ppm	0.1302 ppm	0.8235 ppm
Concentration per Run	0.1190 ppm	11.0319 ppm	1.0485 ppm	1.1282 ppm	6.9288 ppm	0.1311 ppm	0.8345 ppm
Concentration RSD	5.0 %	1.1 %	1.0 %	0.9 %	1.1 %	0.8 %	1.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0383 ppm	98.3118 %	102.7087 %	94.6289 %	100.4605 %	109.3782 %	104.4195 %
Concentration per Run	1.0348 ppm	98.7565 %	102.3653 %	93.8788 %	100.1603 %	109.0647 %	103.6940 %
Concentration per Run	1.0306 ppm	99.2469 %	102.3035 %	94.8939 %	101.8592 %	108.2584 %	104.8058 %
Concentration per Run	1.0494 ppm	96.9318 %	103.4572 %	95.1139 %	99.3619 %	110.8116 %	104.7589 %
Concentration RSD	1.0 %	1.2 %	0.6 %	0.7 %	1.3 %	1.2 %	0.6 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: WG2116757-4d2 WG2116757
 Analysis started at: 9/24/2025 12:22:26 PM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 51

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0012 ppm	85.5309 ppm	0.1766 ppm	0.0042 ppm	0.3679 ppm	0.0030 ppm	17.3312 ppm
Concentration per Run	0.0011 ppm	86.1066 ppm	0.1764 ppm	0.0029 ppm	0.3695 ppm	0.0029 ppm	17.4599 ppm
Concentration per Run	0.0010 ppm	84.9206 ppm	0.1784 ppm	0.0051 ppm	0.3668 ppm	0.0031 ppm	17.1613 ppm
Concentration per Run	0.0015 ppm	85.5654 ppm	0.1750 ppm	0.0047 ppm	0.3675 ppm	0.0029 ppm	17.3724 ppm
Concentration RSD	21.9 %	0.7 %	0.9 %	27.6 %	0.4 %	2.7 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0004 ppm	0.0917 ppm	0.3200 ppm	0.2167 ppm	190.4586 ppm	20.7196 ppm	0.1313 ppm
Concentration per Run	0.0002 ppm	0.0919 ppm	0.3224 ppm	0.2173 ppm	191.7772 ppm	20.9222 ppm	0.1330 ppm
Concentration per Run	0.0005 ppm	0.0908 ppm	0.3184 ppm	0.2167 ppm	188.5892 ppm	20.4532 ppm	0.1294 ppm
Concentration per Run	0.0005 ppm	0.0923 ppm	0.3192 ppm	0.2160 ppm	191.0093 ppm	20.7834 ppm	0.1315 ppm
Concentration RSD	40.6 %	0.9 %	0.7 %	0.3 %	0.9 %	1.2 %	1.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	56.2662 ppm	3.8154 ppm	0.0060 ppm	2.8134 ppm	0.3110 ppm	0.2253 ppm	0.0019 ppm
Concentration per Run	56.9047 ppm	3.8246 ppm	0.0051 ppm	2.7752 ppm	0.3110 ppm	0.2232 ppm	-0.0003 ppm
Concentration per Run	55.8898 ppm	3.8073 ppm	0.0062 ppm	2.8747 ppm	0.3098 ppm	0.2270 ppm	-0.0001 ppm
Concentration per Run	56.0041 ppm	3.8143 ppm	0.0066 ppm	2.7902 ppm	0.3123 ppm	0.2257 ppm	0.0060 ppm
Concentration RSD	1.0 %	0.2 %	12.5 %	1.9 %	0.4 %	0.8 %	189.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0026 ppm	5.6933 ppm	0.0141 ppm	0.0702 ppm	4.2218 ppm	0.0014 ppm	0.2166 ppm
Concentration per Run	0.0036 ppm	5.7536 ppm	0.0117 ppm	0.0711 ppm	4.2778 ppm	0.0022 ppm	0.2181 ppm
Concentration per Run	0.0011 ppm	5.6540 ppm	0.0146 ppm	0.0694 ppm	4.1851 ppm	0.0004 ppm	0.2156 ppm
Concentration per Run	0.0032 ppm	5.6722 ppm	0.0159 ppm	0.0700 ppm	4.2025 ppm	0.0017 ppm	0.2159 ppm
Concentration RSD	51.9 %	0.9 %	15.4 %	1.2 %	1.2 %	66.9 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4520 ppm	98.1580 %	102.0069 %	95.4489 %	99.4052 %	104.5098 %	103.9174 %
Concentration per Run	0.4560 ppm	96.9521 %	102.5313 %	95.5176 %	98.3628 %	102.7615 %	104.1322 %
Concentration per Run	0.4501 ppm	98.7897 %	101.5239 %	95.4355 %	99.5084 %	108.0726 %	103.9453 %
Concentration per Run	0.4498 ppm	98.7322 %	101.9656 %	95.3938 %	100.3443 %	102.6952 %	103.6746 %
Concentration RSD	0.8 %	1.1 %	0.5 %	0.1 %	1.0 %	3.0 %	0.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2116757-5d2 WG2116757
 Analysis started at: 9/24/2025 12:24:31 PM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 52

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0554 ppm	85.9282 ppm	0.3249 ppm	0.9503 ppm	2.3958 ppm	0.0515 ppm	25.3872 ppm
Concentration per Run	0.0549 ppm	86.0142 ppm	0.3272 ppm	0.9471 ppm	2.3991 ppm	0.0516 ppm	25.5486 ppm
Concentration per Run	0.0564 ppm	86.0046 ppm	0.3218 ppm	0.9545 ppm	2.3935 ppm	0.0516 ppm	25.3849 ppm
Concentration per Run	0.0550 ppm	85.7657 ppm	0.3258 ppm	0.9493 ppm	2.3949 ppm	0.0513 ppm	25.2281 ppm
Concentration RSD	1.5 %	0.2 %	0.9 %	0.4 %	0.1 %	0.4 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0509 ppm	0.5529 ppm	0.4916 ppm	0.5444 ppm	188.2244 ppm	29.1046 ppm	0.1466 ppm
Concentration per Run	0.0510 ppm	0.5521 ppm	0.4915 ppm	0.5442 ppm	188.4405 ppm	29.1012 ppm	0.1470 ppm
Concentration per Run	0.0510 ppm	0.5492 ppm	0.4910 ppm	0.5438 ppm	188.4256 ppm	29.1794 ppm	0.1477 ppm
Concentration per Run	0.0507 ppm	0.5573 ppm	0.4923 ppm	0.5452 ppm	187.8072 ppm	29.0332 ppm	0.1450 ppm
Concentration RSD	0.3 %	0.7 %	0.1 %	0.1 %	0.2 %	0.3 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	59.8470 ppm	6.5274 ppm	0.9511 ppm	12.7163 ppm	0.8067 ppm	1.1847 ppm	0.4689 ppm
Concentration per Run	59.5848 ppm	6.5435 ppm	0.9431 ppm	12.7360 ppm	0.8073 ppm	1.1855 ppm	0.4662 ppm
Concentration per Run	60.1120 ppm	6.5310 ppm	0.9517 ppm	12.7009 ppm	0.8035 ppm	1.1817 ppm	0.4662 ppm
Concentration per Run	59.8441 ppm	6.5076 ppm	0.9586 ppm	12.7118 ppm	0.8092 ppm	1.1869 ppm	0.4744 ppm
Concentration RSD	0.4 %	0.3 %	0.8 %	0.1 %	0.4 %	0.2 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1140 ppm	6.3969 ppm	0.9517 ppm	1.0103 ppm	5.6382 ppm	0.1137 ppm	0.7247 ppm
Concentration per Run	0.1141 ppm	6.3917 ppm	0.9487 ppm	1.0110 ppm	5.6208 ppm	0.1140 ppm	0.7231 ppm
Concentration per Run	0.1160 ppm	6.4015 ppm	0.9588 ppm	1.0094 ppm	5.6698 ppm	0.1132 ppm	0.7269 ppm
Concentration per Run	0.1118 ppm	6.3974 ppm	0.9475 ppm	1.0107 ppm	5.6240 ppm	0.1138 ppm	0.7242 ppm
Concentration RSD	1.9 %	0.1 %	0.7 %	0.1 %	0.5 %	0.4 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1019 ppm	96.3008 %	103.9940 %	93.7388 %	97.9644 %	103.9336 %	102.3984 %
Concentration per Run	1.1019 ppm	95.9107 %	104.1775 %	93.6794 %	97.6203 %	104.4380 %	102.3715 %
Concentration per Run	1.0970 ppm	96.3156 %	103.5300 %	93.6262 %	98.0461 %	103.3068 %	102.3910 %
Concentration per Run	1.1068 ppm	96.6759 %	104.2745 %	93.9108 %	98.2268 %	104.0559 %	102.4327 %
Concentration RSD	0.4 %	0.4 %	0.4 %	0.2 %	0.3 %	0.6 %	0.0 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2116757-6d10 WG2116757
 Analysis started at: 9/24/2025 12:26:36 PM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 53

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	17.6006 ppm	0.0415 ppm	0.0011 ppm	0.1084 ppm	0.0008 ppm	3.2242 ppm
Concentration per Run	0.0005 ppm	17.3513 ppm	0.0369 ppm	0.0018 ppm	0.1070 ppm	0.0007 ppm	3.1794 ppm
Concentration per Run	-0.0002 ppm	17.6737 ppm	0.0443 ppm	0.0029 ppm	0.1087 ppm	0.0007 ppm	3.2398 ppm
Concentration per Run	-0.0001 ppm	17.7769 ppm	0.0433 ppm	-0.0015 ppm	0.1096 ppm	0.0008 ppm	3.2533 ppm
Concentration RSD	442.6 %	1.3 %	9.7 %	210.4 %	1.2 %	9.1 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0003 ppm	0.0186 ppm	0.0622 ppm	0.0617 ppm	40.2844 ppm	4.0237 ppm	0.0323 ppm
Concentration per Run	0.0003 ppm	0.0186 ppm	0.0614 ppm	0.0612 ppm	39.7632 ppm	3.9617 ppm	0.0343 ppm
Concentration per Run	0.0002 ppm	0.0190 ppm	0.0621 ppm	0.0617 ppm	40.3200 ppm	4.0458 ppm	0.0320 ppm
Concentration per Run	0.0003 ppm	0.0181 ppm	0.0630 ppm	0.0621 ppm	40.7702 ppm	4.0636 ppm	0.0306 ppm
Concentration RSD	19.1 %	2.5 %	1.3 %	0.7 %	1.3 %	1.4 %	5.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.5587 ppm	1.2953 ppm	0.0019 ppm	0.6511 ppm	0.0713 ppm	0.1391 ppm	-0.0007 ppm
Concentration per Run	10.4802 ppm	1.2794 ppm	0.0022 ppm	0.6600 ppm	0.0714 ppm	0.1390 ppm	0.0001 ppm
Concentration per Run	10.5350 ppm	1.2992 ppm	0.0017 ppm	0.6327 ppm	0.0718 ppm	0.1396 ppm	-0.0023 ppm
Concentration per Run	10.6608 ppm	1.3071 ppm	0.0018 ppm	0.6606 ppm	0.0707 ppm	0.1386 ppm	0.0000 ppm
Concentration RSD	0.9 %	1.1 %	13.3 %	2.4 %	0.8 %	0.3 %	187.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0007 ppm	1.0778 ppm	0.0044 ppm	0.0150 ppm	0.9543 ppm	-0.0005 ppm	0.0463 ppm
Concentration per Run	-0.0017 ppm	1.0718 ppm	0.0041 ppm	0.0148 ppm	0.9442 ppm	-0.0024 ppm	0.0461 ppm
Concentration per Run	-0.0003 ppm	1.0773 ppm	0.0047 ppm	0.0151 ppm	0.9563 ppm	0.0007 ppm	0.0464 ppm
Concentration per Run	-0.0002 ppm	1.0841 ppm	0.0044 ppm	0.0151 ppm	0.9626 ppm	0.0001 ppm	0.0464 ppm
Concentration RSD	115.2 %	0.6 %	6.3 %	1.0 %	1.0 %	307.6 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1306 ppm	101.9660 %	103.3978 %	102.4884 %	99.7291 %	101.8988 %	103.9316 %
Concentration per Run	0.1304 ppm	103.0604 %	104.2292 %	103.1292 %	100.8099 %	105.6174 %	104.2698 %
Concentration per Run	0.1303 ppm	102.4815 %	103.5215 %	102.9759 %	100.1784 %	99.8633 %	104.7522 %
Concentration per Run	0.1312 ppm	100.3561 %	102.4425 %	101.3600 %	98.1991 %	100.2158 %	102.7727 %
Concentration RSD	0.4 %	1.4 %	0.9 %	1.0 %	1.4 %	3.2 %	1.0 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 12:28:41 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4969 ppm	0.4828 ppm	0.4851 ppm	0.4912 ppm	0.4956 ppm	0.5039 ppm	0.5049 ppm
Concentration per Run	0.4920 ppm	0.4906 ppm	0.4852 ppm	0.4852 ppm	0.4936 ppm	0.5035 ppm	0.5117 ppm
Concentration per Run	0.4990 ppm	0.4684 ppm	0.4836 ppm	0.4928 ppm	0.4952 ppm	0.5016 ppm	0.5026 ppm
Concentration per Run	0.4997 ppm	0.4894 ppm	0.4864 ppm	0.4958 ppm	0.4980 ppm	0.5066 ppm	0.5004 ppm
Recovery Percentage	99.380 %	96.567 %	97.010 %	98.248 %	99.122 %	100.788 %	100.982 %
Concentration RSD	0.9 %	2.6 %	0.3 %	1.1 %	0.4 %	0.5 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5035 ppm	0.5121 ppm	0.5006 ppm	0.5115 ppm	0.4970 ppm	5.2023 ppm	0.5089 ppm
Concentration per Run	0.4988 ppm	0.5104 ppm	0.4976 ppm	0.5072 ppm	0.4981 ppm	5.2062 ppm	0.5105 ppm
Concentration per Run	0.5038 ppm	0.5118 ppm	0.5007 ppm	0.5122 ppm	0.4959 ppm	5.1843 ppm	0.5051 ppm
Concentration per Run	0.5078 ppm	0.5140 ppm	0.5033 ppm	0.5151 ppm	0.4970 ppm	5.2164 ppm	0.5111 ppm
Recovery Percentage	100.698 %	102.419 %	100.110 %	102.302 %	99.403 %	104.047 %	101.781 %
Concentration RSD	0.9 %	0.4 %	0.6 %	0.8 %	0.2 %	0.3 %	0.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5048 ppm	0.5040 ppm	0.4949 ppm	9.8903 ppm	0.5181 ppm	0.5078 ppm	0.5079 ppm
Concentration per Run	0.5033 ppm	0.5058 ppm	0.4903 ppm	9.8592 ppm	0.5146 ppm	0.5061 ppm	0.5016 ppm
Concentration per Run	0.5069 ppm	0.5017 ppm	0.4954 ppm	9.8705 ppm	0.5167 ppm	0.5050 ppm	0.4994 ppm
Concentration per Run	0.5043 ppm	0.5044 ppm	0.4991 ppm	9.9412 ppm	0.5230 ppm	0.5122 ppm	0.5228 ppm
Recovery Percentage	100.969 %	100.795 %	98.982 %	98.903 %	103.625 %	101.552 %	101.584 %
Concentration RSD	0.4 %	0.4 %	0.9 %	0.4 %	0.8 %	0.8 %	2.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4885 ppm	5.3699 ppm	0.4967 ppm	0.5009 ppm	0.5008 ppm	0.5087 ppm	0.5093 ppm
Concentration per Run	0.4867 ppm	5.3127 ppm	0.4917 ppm	0.4987 ppm	0.4962 ppm	0.5100 ppm	0.5050 ppm
Concentration per Run	0.4866 ppm	5.3807 ppm	0.4970 ppm	0.5014 ppm	0.5023 ppm	0.5045 ppm	0.5099 ppm
Concentration per Run	0.4921 ppm	5.4164 ppm	0.5015 ppm	0.5026 ppm	0.5038 ppm	0.5117 ppm	0.5129 ppm
Recovery Percentage	97.693 %	102.284 %	99.344 %	100.177 %	100.159 %	101.749 %	101.852 %
Concentration RSD	0.7 %	1.0 %	1.0 %	0.4 %	0.8 %	0.7 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5083 ppm	99.1345 %	102.1396 %	99.6380 %	95.5841 %	96.0464 %	98.8997 %
Concentration per Run	0.5052 ppm	99.4979 %	102.2808 %	100.0773 %	96.0186 %	96.7023 %	99.4502 %
Concentration per Run	0.5088 ppm	98.9831 %	102.4269 %	99.8960 %	95.3999 %	96.5605 %	99.1038 %
Concentration per Run	0.5109 ppm	98.9226 %	101.7109 %	98.9406 %	95.3339 %	94.8764 %	98.1452 %
Recovery Percentage	101.659 %						
Concentration RSD	0.6 %	0.3 %	0.4 %	0.6 %	0.4 %	1.1 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 12:30:46 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	-0.0010 ppm	-0.0012 ppm	0.0009 ppm	0.0002 ppm	0.0001 ppm	0.0069 ppm
Concentration per Run	0.0003 ppm	0.0037 ppm	-0.0003 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0097 ppm
Concentration per Run	0.0006 ppm	-0.0163 ppm	-0.0019 ppm	0.0010 ppm	0.0002 ppm	0.0000 ppm	0.0088 ppm
Concentration per Run	0.0009 ppm	0.0097 ppm	-0.0015 ppm	0.0006 ppm	0.0003 ppm	0.0001 ppm	0.0023 ppm
Recovery Percentage	8.263 %	-0.979 %	-24.170 %	2.872 %	1.639 %	1.457 %	6.911 %
Concentration RSD	50.3 %	1,392.4 %	67.9 %	25.3 %	76.3 %	55.0 %	58.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0002 ppm	-0.0003 ppm	-0.0003 ppm	0.0010 ppm	0.0245 ppm	-0.0015 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	-0.0003 ppm	-0.0010 ppm	0.0001 ppm	0.0086 ppm	-0.0031 ppm
Concentration per Run	-0.0001 ppm	-0.0003 ppm	-0.0003 ppm	-0.0003 ppm	0.0017 ppm	-0.0032 ppm	-0.0009 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0002 ppm	0.0011 ppm	0.0680 ppm	-0.0006 ppm
Recovery Percentage	-1.710 %	-1.055 %	-3.260 %	-3.444 %	1.941 %	0.979 %	-30.461 %
Concentration RSD	61.6 %	235.8 %	3.3 %	166.5 %	84.3 %	155.9 %	90.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0002 ppm	0.0003 ppm	0.0015 ppm	-0.0041 ppm	-0.0007 ppm	0.0005 ppm	-0.0028 ppm
Concentration per Run	-0.0026 ppm	0.0007 ppm	0.0010 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	-0.0026 ppm
Concentration per Run	0.0015 ppm	0.0002 ppm	0.0014 ppm	-0.0067 ppm	-0.0016 ppm	-0.0004 ppm	-0.0062 ppm
Concentration per Run	0.0004 ppm	0.0000 ppm	0.0021 ppm	-0.0056 ppm	-0.0004 ppm	0.0013 ppm	0.0005 ppm
Recovery Percentage	-0.224 %	2.777 %	3.038 %	-0.207 %	-2.638 %	5.201 %	-5.517 %
Concentration RSD	931.6 %	121.3 %	37.4 %	83.5 %	125.3 %	164.3 %	120.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0003 ppm	0.0031 ppm	0.0003 ppm	-0.0002 ppm	0.0007 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	0.0047 ppm	0.0034 ppm	-0.0012 ppm	0.0000 ppm	0.0007 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run	-0.0042 ppm	0.0018 ppm	0.0023 ppm	-0.0004 ppm	0.0009 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run	0.0004 ppm	0.0041 ppm	-0.0002 ppm	-0.0002 ppm	0.0005 ppm	0.0009 ppm	-0.0002 ppm
Recovery Percentage	3.182 %	0.617 %	0.599 %	-2.223 %	6.715 %	5.056 %	-1.054 %
Concentration RSD	1,404.5 %	39.0 %	595.2 %	96.0 %	30.3 %	50.5 %	125.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	99.1223 %	100.6942 %	100.3577 %	97.7178 %	97.6988 %	100.6272 %
Concentration per Run	0.0005 ppm	99.7908 %	101.3748 %	100.2921 %	97.9679 %	98.3728 %	100.5843 %
Concentration per Run	0.0010 ppm	99.1363 %	100.7751 %	100.9062 %	98.3557 %	96.1969 %	101.1795 %
Concentration per Run	0.0007 ppm	98.4399 %	99.9326 %	99.8748 %	96.8298 %	98.5267 %	100.1177 %
Recovery Percentage	14.805 %						
Concentration RSD	32.5 %	0.7 %	0.7 %	0.5 %	0.8 %	1.3 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557433-01d2 WG2116757
 Analysis started at: 9/24/2025 12:56:07 PM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 57

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0137 ppm	139.2174 ppm	0.1685 ppm	0.0692 ppm	1.5205 ppm	0.0117 ppm	230.1515 ppm
Concentration per Run	0.0144 ppm	137.5563 ppm	0.1701 ppm	0.0687 ppm	1.5099 ppm	0.0116 ppm	227.3133 ppm
Concentration per Run	0.0133 ppm	140.2778 ppm	0.1657 ppm	0.0685 ppm	1.5318 ppm	0.0119 ppm	232.5513 ppm
Concentration per Run	0.0135 ppm	139.8182 ppm	0.1696 ppm	0.0705 ppm	1.5199 ppm	0.0117 ppm	230.5900 ppm
Concentration RSD	4.2 %	1.0 %	1.4 %	1.6 %	0.7 %	1.1 %	1.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0132 ppm	0.0867 ppm	0.4378 ppm	4.0685 ppm	269.9985 ppm	17.1986 ppm	0.2019 ppm
Concentration per Run	0.0132 ppm	0.0863 ppm	0.4340 ppm	4.0229 ppm	267.9184 ppm	17.0662 ppm	0.2018 ppm
Concentration per Run	0.0131 ppm	0.0862 ppm	0.4362 ppm	4.0728 ppm	271.9631 ppm	17.3326 ppm	0.2017 ppm
Concentration per Run	0.0133 ppm	0.0877 ppm	0.4433 ppm	4.1099 ppm	270.1142 ppm	17.1969 ppm	0.2023 ppm
Concentration RSD	0.9 %	1.0 %	1.1 %	1.1 %	0.7 %	0.8 %	0.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	81.6334 ppm	4.4648 ppm	0.0136 ppm	7.4759 ppm	0.6644 ppm	7.5514 ppm	0.0056 ppm
Concentration per Run	80.2855 ppm	4.4292 ppm	0.0140 ppm	7.3686 ppm	0.6576 ppm	7.5155 ppm	0.0091 ppm
Concentration per Run	82.3803 ppm	4.4892 ppm	0.0138 ppm	7.5569 ppm	0.6673 ppm	7.5870 ppm	-0.0015 ppm
Concentration per Run	82.2345 ppm	4.4760 ppm	0.0130 ppm	7.5022 ppm	0.6683 ppm	7.5517 ppm	0.0093 ppm
Concentration RSD	1.4 %	0.7 %	3.8 %	1.3 %	0.9 %	0.5 %	110.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0082 ppm	20.6886 [SIC 100]	0.2085 ppm	1.1216 ppm	6.4010 ppm	0.0025 ppm	0.6713 ppm
Concentration per Run	0.0059 ppm	20.3451 ppm	0.2054 ppm	1.1131 ppm	6.2853 ppm	0.0028 ppm	0.6624 ppm
Concentration per Run	0.0023 ppm	20.9070 ppm	0.2097 ppm	1.1281 ppm	6.4740 ppm	0.0012 ppm	0.6769 ppm
Concentration per Run	0.0166 ppm	20.8137 ppm	0.2102 ppm	1.1237 ppm	6.4437 ppm	0.0036 ppm	0.6747 ppm
Concentration RSD	90.2 %	1.5 %	1.3 %	0.7 %	1.6 %	48.8 %	1.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	5.1439 ppm	94.8213 %	102.3155 %	91.1543 %	109.6191 %	122.3577 %	116.0181 %
Concentration per Run	5.0824 ppm	96.5134 %	103.6132 %	91.5700 %	111.2026 %	122.5223 %	116.4403 %
Concentration per Run	5.1676 ppm	94.4330 %	101.8239 %	90.5849 %	109.4140 %	122.9081 %	115.4106 %
Concentration per Run	5.1818 ppm	93.5176 %	101.5095 %	91.3081 %	108.2407 %	121.6428 %	116.2036 %
Concentration RSD	1.0 %	1.6 %	1.1 %	0.6 %	1.4 %	0.5 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557433-02d2 WG2116757
 Analysis started at: 9/24/2025 12:58:18 PM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 58

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	51.0583 ppm	0.0519 ppm	0.0241 ppm	0.6523 ppm	0.0037 ppm	201.6415 ppm
Concentration per Run	0.0011 ppm	50.9443 ppm	0.0500 ppm	0.0246 ppm	0.6497 ppm	0.0038 ppm	201.1369 ppm
Concentration per Run	0.0016 ppm	51.3837 ppm	0.0542 ppm	0.0232 ppm	0.6577 ppm	0.0038 ppm	202.7772 ppm
Concentration per Run	0.0015 ppm	50.8470 ppm	0.0515 ppm	0.0246 ppm	0.6496 ppm	0.0036 ppm	201.0103 ppm
Concentration RSD	19.7 %	0.6 %	4.2 %	3.3 %	0.7 %	2.0 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0010 ppm	0.0742 ppm	0.1428 ppm	0.2483 ppm	121.4889 ppm	13.2247 ppm	0.0916 ppm
Concentration per Run	-0.0012 ppm	0.0739 ppm	0.1419 ppm	0.2485 ppm	120.0260 ppm	13.1491 ppm	0.0911 ppm
Concentration per Run	-0.0010 ppm	0.0751 ppm	0.1432 ppm	0.2472 ppm	123.0848 ppm	13.3590 ppm	0.0919 ppm
Concentration per Run	-0.0009 ppm	0.0736 ppm	0.1432 ppm	0.2492 ppm	121.3557 ppm	13.1658 ppm	0.0918 ppm
Concentration RSD	14.4 %	1.0 %	0.5 %	0.4 %	1.3 %	0.9 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	49.5953 ppm	1.9439 ppm	0.0025 ppm	2.6288 ppm	0.6088 ppm	1.7604 ppm	0.0052 ppm
Concentration per Run	49.4122 ppm	1.9381 ppm	0.0020 ppm	2.6414 ppm	0.6065 ppm	1.7442 ppm	0.0133 ppm
Concentration per Run	49.6549 ppm	1.9540 ppm	0.0020 ppm	2.6374 ppm	0.6086 ppm	1.7592 ppm	-0.0003 ppm
Concentration per Run	49.7187 ppm	1.9395 ppm	0.0035 ppm	2.6077 ppm	0.6115 ppm	1.7777 ppm	0.0027 ppm
Concentration RSD	0.3 %	0.5 %	35.2 %	0.7 %	0.4 %	1.0 %	136.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	11.2374 [SIC 100]	0.3593 ppm	0.2944 ppm	3.1880 ppm	-0.0010 ppm	0.2218 ppm
Concentration per Run	-0.0009 ppm	11.2018 ppm	0.3570 ppm	0.2940 ppm	3.1740 ppm	-0.0009 ppm	0.2207 ppm
Concentration per Run	0.0026 ppm	11.2492 ppm	0.3578 ppm	0.2964 ppm	3.1917 ppm	-0.0003 ppm	0.2222 ppm
Concentration per Run	0.0046 ppm	11.2614 ppm	0.3630 ppm	0.2928 ppm	3.1983 ppm	-0.0017 ppm	0.2225 ppm
Concentration RSD	130.3 %	0.3 %	0.9 %	0.6 %	0.4 %	69.7 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6588 ppm	95.0528 %	98.9568 %	92.1116 %	96.8517 %	103.8789 %	101.0274 %
Concentration per Run	0.6555 ppm	95.1737 %	99.0359 %	92.8521 %	97.2037 %	104.9738 %	101.7573 %
Concentration per Run	0.6595 ppm	94.9468 %	98.0631 %	91.9784 %	96.6252 %	103.4459 %	100.8440 %
Concentration per Run	0.6613 ppm	95.0378 %	99.7713 %	91.5043 %	96.7260 %	103.2169 %	100.4809 %
Concentration RSD	0.5 %	0.1 %	0.9 %	0.7 %	0.3 %	0.9 %	0.7 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2557433-03d2 WG2116757
 Analysis started at: 9/24/2025 1:00:23 PM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 59

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	55.8031 ppm	0.0273 ppm	0.0205 ppm	0.4966 ppm	0.0042 ppm	37.6939 ppm
Concentration per Run	0.0005 ppm	55.8966 ppm	0.0284 ppm	0.0196 ppm	0.4968 ppm	0.0042 ppm	37.6928 ppm
Concentration per Run	0.0011 ppm	55.8267 ppm	0.0278 ppm	0.0211 ppm	0.4949 ppm	0.0042 ppm	37.5027 ppm
Concentration per Run	0.0011 ppm	55.6861 ppm	0.0256 ppm	0.0208 ppm	0.4982 ppm	0.0041 ppm	37.8863 ppm
Concentration RSD	40.6 %	0.2 %	5.4 %	3.9 %	0.3 %	2.1 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0011 ppm	0.0838 ppm	0.1222 ppm	0.2069 ppm	118.6795 ppm	13.8891 ppm	0.1147 ppm
Concentration per Run	0.0011 ppm	0.0823 ppm	0.1210 ppm	0.2053 ppm	118.6623 ppm	13.9237 ppm	0.1151 ppm
Concentration per Run	0.0011 ppm	0.0838 ppm	0.1229 ppm	0.2074 ppm	118.4258 ppm	13.8122 ppm	0.1143 ppm
Concentration per Run	0.0013 ppm	0.0852 ppm	0.1226 ppm	0.2078 ppm	118.9503 ppm	13.9315 ppm	0.1149 ppm
Concentration RSD	10.1 %	1.7 %	0.9 %	0.6 %	0.2 %	0.5 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	55.1104 ppm	4.3254 ppm	0.0018 ppm	1.2781 ppm	0.5642 ppm	0.2746 ppm	-0.0017 ppm
Concentration per Run	55.0534 ppm	4.3202 ppm	0.0012 ppm	1.2808 ppm	0.5616 ppm	0.2741 ppm	-0.0027 ppm
Concentration per Run	55.2125 ppm	4.3445 ppm	0.0021 ppm	1.2925 ppm	0.5661 ppm	0.2735 ppm	-0.0027 ppm
Concentration per Run	55.0652 ppm	4.3114 ppm	0.0021 ppm	1.2610 ppm	0.5648 ppm	0.2761 ppm	0.0002 ppm
Concentration RSD	0.2 %	0.4 %	28.2 %	1.2 %	0.4 %	0.5 %	99.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0009 ppm	7.9322 ppm	0.0104 ppm	0.2109 ppm	2.9746 ppm	0.0001 ppm	0.1819 ppm
Concentration per Run	0.0009 ppm	7.9259 ppm	0.0083 ppm	0.2117 ppm	2.9841 ppm	0.0002 ppm	0.1807 ppm
Concentration per Run	-0.0023 ppm	7.9459 ppm	0.0103 ppm	0.2097 ppm	2.9746 ppm	0.0014 ppm	0.1823 ppm
Concentration per Run	-0.0014 ppm	7.9247 ppm	0.0126 ppm	0.2113 ppm	2.9652 ppm	-0.0013 ppm	0.1826 ppm
Concentration RSD	180.5 %	0.1 %	20.7 %	0.5 %	0.3 %	1,220.5 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5874 ppm	100.4928 %	103.4657 %	98.9789 %	104.4278 %	111.0484 %	109.7948 %
Concentration per Run	0.5866 ppm	99.4626 %	102.6695 %	99.0695 %	103.4496 %	111.5390 %	110.0347 %
Concentration per Run	0.5859 ppm	100.8132 %	103.2371 %	99.1610 %	104.9535 %	113.1263 %	109.8471 %
Concentration per Run	0.5898 ppm	101.2026 %	104.4905 %	98.7063 %	104.8804 %	108.4800 %	109.5026 %
Concentration RSD	0.4 %	0.9 %	0.9 %	0.2 %	0.8 %	2.1 %	0.2 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2557433-04d2 WG2116757
 Analysis started at: 9/24/2025 1:02:28 PM
 Comment: <Comment>
 Rack Number: 1
 Vial Numbers: 60

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	41.9464 ppm	0.0213 ppm	0.0177 ppm	0.4227 ppm	0.0061 ppm	20.6852 ppm
Concentration per Run	0.0001 ppm	41.7864 ppm	0.0208 ppm	0.0182 ppm	0.4225 ppm	0.0062 ppm	20.8372 ppm
Concentration per Run	-0.0004 ppm	42.0567 ppm	0.0214 ppm	0.0182 ppm	0.4255 ppm	0.0061 ppm	20.5782 ppm
Concentration per Run	0.0008 ppm	41.9961 ppm	0.0218 ppm	0.0167 ppm	0.4202 ppm	0.0061 ppm	20.6403 ppm
Concentration RSD	353.1 %	0.3 %	2.3 %	5.0 %	0.6 %	1.1 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0009 ppm	0.0599 ppm	0.1167 ppm	0.2569 ppm	100.9140 ppm	12.9689 ppm	0.0872 ppm
Concentration per Run	0.0009 ppm	0.0601 ppm	0.1154 ppm	0.2563 ppm	100.3968 ppm	12.9761 ppm	0.0884 ppm
Concentration per Run	0.0007 ppm	0.0600 ppm	0.1171 ppm	0.2563 ppm	101.7985 ppm	13.0077 ppm	0.0847 ppm
Concentration per Run	0.0009 ppm	0.0594 ppm	0.1176 ppm	0.2580 ppm	100.5466 ppm	12.9229 ppm	0.0886 ppm
Concentration RSD	16.5 %	0.6 %	1.0 %	0.4 %	0.8 %	0.3 %	2.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	57.2644 ppm	2.8369 ppm	0.0012 ppm	1.2230 ppm	0.4811 ppm	0.1583 ppm	-0.0008 ppm
Concentration per Run	57.2294 ppm	2.8133 ppm	0.0008 ppm	1.2436 ppm	0.4796 ppm	0.1596 ppm	-0.0044 ppm
Concentration per Run	57.4558 ppm	2.8597 ppm	0.0013 ppm	1.2224 ppm	0.4797 ppm	0.1577 ppm	0.0004 ppm
Concentration per Run	57.1080 ppm	2.8376 ppm	0.0014 ppm	1.2030 ppm	0.4841 ppm	0.1576 ppm	0.0017 ppm
Concentration RSD	0.3 %	0.8 %	29.5 %	1.7 %	0.5 %	0.7 %	424.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0033 ppm	5.7823 ppm	0.0096 ppm	0.0707 ppm	2.5070 ppm	-0.0003 ppm	0.1842 ppm
Concentration per Run	-0.0009 ppm	5.7884 ppm	0.0091 ppm	0.0706 ppm	2.5065 ppm	-0.0017 ppm	0.1838 ppm
Concentration per Run	-0.0033 ppm	5.7668 ppm	0.0083 ppm	0.0712 ppm	2.5144 ppm	0.0010 ppm	0.1836 ppm
Concentration per Run	-0.0056 ppm	5.7918 ppm	0.0113 ppm	0.0704 ppm	2.5000 ppm	-0.0002 ppm	0.1851 ppm
Concentration RSD	71.9 %	0.2 %	16.0 %	0.6 %	0.3 %	447.5 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4187 ppm	98.1574 %	105.8954 %	97.9564 %	101.8008 %	113.6442 %	107.5046 %
Concentration per Run	0.4182 ppm	98.0227 %	105.2529 %	98.6458 %	101.1978 %	114.6084 %	108.4607 %
Concentration per Run	0.4180 ppm	97.1475 %	105.2659 %	97.6484 %	100.8365 %	113.8011 %	107.1038 %
Concentration per Run	0.4198 ppm	99.3021 %	107.1674 %	97.5750 %	103.3681 %	112.5229 %	106.9492 %
Concentration RSD	0.2 %	1.1 %	1.0 %	0.6 %	1.3 %	0.9 %	0.8 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2557433-05d2 WG2116757
 Analysis started at: 9/24/2025 1:04:33 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 1

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0023 ppm	79.4548 ppm	0.0528 ppm	0.0283 ppm	0.4392 ppm	0.0056 ppm	21.4619 ppm
Concentration per Run	0.0020 ppm	79.5168 ppm	0.0526 ppm	0.0290 ppm	0.4373 ppm	0.0055 ppm	21.4901 ppm
Concentration per Run	0.0026 ppm	79.4654 ppm	0.0527 ppm	0.0269 ppm	0.4404 ppm	0.0057 ppm	21.4725 ppm
Concentration per Run	0.0022 ppm	79.3823 ppm	0.0531 ppm	0.0292 ppm	0.4400 ppm	0.0055 ppm	21.4230 ppm
Concentration RSD	12.1 %	0.1 %	0.4 %	4.4 %	0.4 %	2.0 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0005 ppm	0.0704 ppm	0.1542 ppm	0.2005 ppm	140.0632 ppm	23.5172 ppm	0.1296 ppm
Concentration per Run	0.0002 ppm	0.0708 ppm	0.1551 ppm	0.2011 ppm	140.1456 ppm	23.4578 ppm	0.1296 ppm
Concentration per Run	0.0005 ppm	0.0693 ppm	0.1533 ppm	0.2002 ppm	140.2893 ppm	23.5505 ppm	0.1302 ppm
Concentration per Run	0.0007 ppm	0.0710 ppm	0.1543 ppm	0.2003 ppm	139.7547 ppm	23.5432 ppm	0.1290 ppm
Concentration RSD	51.9 %	1.3 %	0.6 %	0.3 %	0.2 %	0.2 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	48.6278 ppm	3.8217 ppm	0.0021 ppm	17.0000 ppm	0.7165 ppm	0.1713 ppm	-0.0034 ppm
Concentration per Run	49.0269 ppm	3.8202 ppm	0.0020 ppm	17.0383 ppm	0.7187 ppm	0.1715 ppm	-0.0035 ppm
Concentration per Run	48.6611 ppm	3.8248 ppm	0.0022 ppm	16.9872 ppm	0.7155 ppm	0.1720 ppm	-0.0005 ppm
Concentration per Run	48.1955 ppm	3.8202 ppm	0.0022 ppm	16.9745 ppm	0.7152 ppm	0.1703 ppm	-0.0061 ppm
Concentration RSD	0.9 %	0.1 %	7.0 %	0.2 %	0.3 %	0.5 %	82.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0007 ppm	5.3148 ppm	0.0131 ppm	0.1347 ppm	4.6714 ppm	0.0005 ppm	0.2346 ppm
Concentration per Run	0.0018 ppm	5.3232 ppm	0.0134 ppm	0.1346 ppm	4.7080 ppm	0.0010 ppm	0.2350 ppm
Concentration per Run	-0.0034 ppm	5.3210 ppm	0.0137 ppm	0.1349 ppm	4.6771 ppm	0.0017 ppm	0.2345 ppm
Concentration per Run	-0.0007 ppm	5.3002 ppm	0.0121 ppm	0.1347 ppm	4.6290 ppm	-0.0013 ppm	0.2342 ppm
Concentration RSD	351.0 %	0.2 %	6.5 %	0.1 %	0.9 %	341.3 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5260 ppm	99.4833 %	107.7397 %	98.1440 %	103.3564 %	117.5324 %	109.5491 %
Concentration per Run	0.5277 ppm	97.8094 %	107.6209 %	97.6695 %	101.9193 %	117.3066 %	109.0027 %
Concentration per Run	0.5258 ppm	99.9626 %	107.2537 %	98.6471 %	103.5761 %	116.8936 %	110.4527 %
Concentration per Run	0.5246 ppm	100.6777 %	108.3445 %	98.1154 %	104.5739 %	118.3972 %	109.1920 %
Concentration RSD	0.3 %	1.5 %	0.5 %	0.5 %	1.3 %	0.7 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557433-06d2 WG2116757
 Analysis started at: 9/24/2025 1:06:38 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 2

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	54.2405 ppm	0.0301 ppm	0.0169 ppm	0.4015 ppm	0.0047 ppm	19.3988 ppm
Concentration per Run	0.0007 ppm	54.2739 ppm	0.0314 ppm	0.0167 ppm	0.4018 ppm	0.0047 ppm	19.5015 ppm
Concentration per Run	0.0002 ppm	54.4147 ppm	0.0293 ppm	0.0178 ppm	0.4003 ppm	0.0047 ppm	19.4146 ppm
Concentration per Run	0.0001 ppm	54.0328 ppm	0.0296 ppm	0.0162 ppm	0.4022 ppm	0.0047 ppm	19.2805 ppm
Concentration RSD	100.8 %	0.4 %	3.8 %	4.8 %	0.2 %	0.2 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0006 ppm	0.0712 ppm	0.1262 ppm	0.2031 ppm	128.7262 ppm	12.7457 ppm	0.0877 ppm
Concentration per Run	0.0006 ppm	0.0727 ppm	0.1260 ppm	0.2031 ppm	128.7658 ppm	12.8476 ppm	0.0886 ppm
Concentration per Run	0.0005 ppm	0.0703 ppm	0.1272 ppm	0.2040 ppm	128.5667 ppm	12.7005 ppm	0.0875 ppm
Concentration per Run	0.0006 ppm	0.0707 ppm	0.1255 ppm	0.2020 ppm	128.8462 ppm	12.6890 ppm	0.0870 ppm
Concentration RSD	7.9 %	1.8 %	0.7 %	0.5 %	0.1 %	0.7 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	46.9212 ppm	3.2402 ppm	0.0020 ppm	2.8371 ppm	0.6915 ppm	0.1528 ppm	-0.0045 ppm
Concentration per Run	46.7604 ppm	3.2384 ppm	0.0019 ppm	2.8331 ppm	0.6925 ppm	0.1525 ppm	-0.0034 ppm
Concentration per Run	47.1884 ppm	3.2535 ppm	0.0021 ppm	2.8454 ppm	0.6921 ppm	0.1523 ppm	-0.0054 ppm
Concentration per Run	46.8150 ppm	3.2286 ppm	0.0021 ppm	2.8327 ppm	0.6898 ppm	0.1536 ppm	-0.0048 ppm
Concentration RSD	0.5 %	0.4 %	6.9 %	0.3 %	0.2 %	0.5 %	23.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0018 ppm	6.6792 ppm	0.0081 ppm	0.1013 ppm	2.9082 ppm	-0.0007 ppm	0.1754 ppm
Concentration per Run	-0.0006 ppm	6.6783 ppm	0.0084 ppm	0.1018 ppm	2.8953 ppm	-0.0005 ppm	0.1750 ppm
Concentration per Run	-0.0012 ppm	6.7195 ppm	0.0087 ppm	0.1006 ppm	2.9334 ppm	-0.0017 ppm	0.1770 ppm
Concentration per Run	-0.0035 ppm	6.6398 ppm	0.0072 ppm	0.1017 ppm	2.8959 ppm	0.0001 ppm	0.1742 ppm
Concentration RSD	85.1 %	0.6 %	10.1 %	0.6 %	0.7 %	127.9 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4511 ppm	100.7019 %	105.9102 %	98.6705 %	105.4891 %	115.3387 %	109.8860 %
Concentration per Run	0.4534 ppm	101.3018 %	105.4963 %	99.3156 %	106.1203 %	114.2615 %	110.7776 %
Concentration per Run	0.4517 ppm	99.7789 %	104.9321 %	98.7679 %	104.5336 %	114.7376 %	109.8758 %
Concentration per Run	0.4482 ppm	101.0250 %	107.3022 %	97.9280 %	105.8135 %	117.0170 %	109.0045 %
Concentration RSD	0.6 %	0.8 %	1.2 %	0.7 %	0.8 %	1.3 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557433-07d2 WG2116757
 Analysis started at: 9/24/2025 1:08:43 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	54.0111 ppm	0.0357 ppm	0.0417 ppm	0.6634 ppm	0.0040 ppm	91.3022 ppm
Concentration per Run	0.0011 ppm	54.1022 ppm	0.0358 ppm	0.0428 ppm	0.6645 ppm	0.0041 ppm	91.3733 ppm
Concentration per Run	0.0010 ppm	54.1745 ppm	0.0350 ppm	0.0405 ppm	0.6637 ppm	0.0039 ppm	91.4354 ppm
Concentration per Run	0.0006 ppm	53.7566 ppm	0.0363 ppm	0.0420 ppm	0.6621 ppm	0.0040 ppm	91.0979 ppm
Concentration RSD	27.9 %	0.4 %	1.8 %	2.8 %	0.2 %	2.0 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0006 ppm	0.0708 ppm	0.1302 ppm	0.2259 ppm	135.9020 ppm	15.4567 ppm	0.0872 ppm
Concentration per Run	0.0006 ppm	0.0707 ppm	0.1305 ppm	0.2250 ppm	136.0515 ppm	15.4917 ppm	0.0885 ppm
Concentration per Run	0.0008 ppm	0.0723 ppm	0.1303 ppm	0.2272 ppm	135.9421 ppm	15.4849 ppm	0.0890 ppm
Concentration per Run	0.0004 ppm	0.0693 ppm	0.1297 ppm	0.2256 ppm	135.7122 ppm	15.3934 ppm	0.0840 ppm
Concentration RSD	36.5 %	2.1 %	0.3 %	0.5 %	0.1 %	0.4 %	3.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	56.4447 ppm	3.1719 ppm	0.0017 ppm	1.6192 ppm	0.5558 ppm	0.9345 ppm	-0.0046 ppm
Concentration per Run	56.3515 ppm	3.1773 ppm	0.0021 ppm	1.6436 ppm	0.5564 ppm	0.9279 ppm	-0.0038 ppm
Concentration per Run	56.5982 ppm	3.1772 ppm	0.0008 ppm	1.6143 ppm	0.5569 ppm	0.9387 ppm	-0.0033 ppm
Concentration per Run	56.3843 ppm	3.1611 ppm	0.0022 ppm	1.5997 ppm	0.5541 ppm	0.9370 ppm	-0.0067 ppm
Concentration RSD	0.2 %	0.3 %	46.0 %	1.4 %	0.3 %	0.6 %	39.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0030 ppm	7.7616 ppm	0.0177 ppm	0.4733 ppm	3.0637 ppm	-0.0018 ppm	0.1911 ppm
Concentration per Run	-0.0074 ppm	7.7669 ppm	0.0156 ppm	0.4735 ppm	3.0571 ppm	-0.0028 ppm	0.1917 ppm
Concentration per Run	-0.0050 ppm	7.7499 ppm	0.0189 ppm	0.4718 ppm	3.0686 ppm	-0.0011 ppm	0.1905 ppm
Concentration per Run	0.0032 ppm	7.7678 ppm	0.0186 ppm	0.4745 ppm	3.0654 ppm	-0.0015 ppm	0.1911 ppm
Concentration RSD	183.0 %	0.1 %	10.2 %	0.3 %	0.2 %	51.6 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8136 ppm	98.8808 %	105.7700 %	96.7790 %	103.6849 %	110.1878 %	109.2768 %
Concentration per Run	0.8139 ppm	98.7005 %	105.3990 %	96.6617 %	103.9208 %	112.0240 %	108.9531 %
Concentration per Run	0.8159 ppm	98.4128 %	105.3082 %	96.3748 %	103.4719 %	109.4166 %	108.9123 %
Concentration per Run	0.8109 ppm	99.5291 %	106.6028 %	97.3005 %	103.6621 %	109.1227 %	109.9649 %
Concentration RSD	0.3 %	0.6 %	0.7 %	0.5 %	0.2 %	1.4 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557433-08d2 WG2116757
 Analysis started at: 9/24/2025 1:10:48 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	43.7515 ppm	0.0220 ppm	0.0247 ppm	0.3597 ppm	0.0035 ppm	15.3325 ppm
Concentration per Run	0.0003 ppm	43.5843 ppm	0.0215 ppm	0.0232 ppm	0.3617 ppm	0.0035 ppm	15.3444 ppm
Concentration per Run	-0.0001 ppm	43.8404 ppm	0.0200 ppm	0.0257 ppm	0.3590 ppm	0.0035 ppm	15.3641 ppm
Concentration per Run	0.0002 ppm	43.8299 ppm	0.0246 ppm	0.0253 ppm	0.3584 ppm	0.0035 ppm	15.2890 ppm
Concentration RSD	168.2 %	0.3 %	10.8 %	5.4 %	0.5 %	1.1 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0009 ppm	0.0871 ppm	0.1011 ppm	0.1802 ppm	107.8166 ppm	13.9708 ppm	0.0837 ppm
Concentration per Run	0.0008 ppm	0.0860 ppm	0.0991 ppm	0.1784 ppm	107.7997 ppm	14.0293 ppm	0.0839 ppm
Concentration per Run	0.0009 ppm	0.0876 ppm	0.1022 ppm	0.1809 ppm	107.6555 ppm	13.9011 ppm	0.0837 ppm
Concentration per Run	0.0009 ppm	0.0878 ppm	0.1018 ppm	0.1814 ppm	107.9946 ppm	13.9820 ppm	0.0835 ppm
Concentration RSD	10.5 %	1.1 %	1.7 %	0.9 %	0.2 %	0.5 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	53.7520 ppm	3.5076 ppm	0.0025 ppm	1.5117 ppm	0.4670 ppm	0.0898 ppm	-0.0022 ppm
Concentration per Run	53.1315 ppm	3.5017 ppm	0.0019 ppm	1.5085 ppm	0.4608 ppm	0.0896 ppm	-0.0027 ppm
Concentration per Run	53.9434 ppm	3.5106 ppm	0.0026 ppm	1.5076 ppm	0.4682 ppm	0.0893 ppm	-0.0021 ppm
Concentration per Run	54.1810 ppm	3.5107 ppm	0.0031 ppm	1.5191 ppm	0.4718 ppm	0.0905 ppm	-0.0018 ppm
Concentration RSD	1.0 %	0.1 %	24.9 %	0.4 %	1.2 %	0.7 %	20.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0014 ppm	7.9832 ppm	0.0078 ppm	0.0555 ppm	2.4902 ppm	-0.0006 ppm	0.1657 ppm
Concentration per Run	-0.0006 ppm	7.9080 ppm	0.0095 ppm	0.0560 ppm	2.4637 ppm	0.0003 ppm	0.1635 ppm
Concentration per Run	-0.0052 ppm	7.9959 ppm	0.0080 ppm	0.0551 ppm	2.4984 ppm	-0.0015 ppm	0.1662 ppm
Concentration per Run	0.0017 ppm	8.0457 ppm	0.0059 ppm	0.0553 ppm	2.5084 ppm	-0.0006 ppm	0.1675 ppm
Concentration RSD	255.2 %	0.9 %	23.7 %	0.8 %	0.9 %	140.6 %	1.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4013 ppm	97.3255 %	103.0972 %	97.1399 %	100.0119 %	108.9399 %	105.6538 %
Concentration per Run	0.3954 ppm	98.0890 %	103.6088 %	96.5787 %	100.6567 %	108.8968 %	104.6984 %
Concentration per Run	0.4037 ppm	97.0951 %	103.5144 %	97.5775 %	99.9896 %	110.2216 %	106.2191 %
Concentration per Run	0.4049 ppm	96.7925 %	102.1686 %	97.2634 %	99.3895 %	107.7013 %	106.0441 %
Concentration RSD	1.3 %	0.7 %	0.8 %	0.5 %	0.6 %	1.2 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557440-02d2 WG2116757
 Analysis started at: 9/24/2025 1:12:53 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 5

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	67.8846 ppm	0.1356 ppm	0.0032 ppm	0.3354 ppm	0.0042 ppm	17.1769 ppm
Concentration per Run	0.0010 ppm	68.3166 ppm	0.1387 ppm	0.0025 ppm	0.3385 ppm	0.0041 ppm	17.3323 ppm
Concentration per Run	-0.0001 ppm	67.4645 ppm	0.1321 ppm	0.0032 ppm	0.3330 ppm	0.0041 ppm	16.9399 ppm
Concentration per Run	-0.0008 ppm	67.8726 ppm	0.1360 ppm	0.0039 ppm	0.3347 ppm	0.0043 ppm	17.2586 ppm
Concentration RSD	2.978.3 %	0.6 %	2.5 %	22.1 %	0.8 %	2.6 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0043 ppm	0.0672 ppm	0.2464 ppm	0.7459 ppm	143.5280 ppm	15.2359 ppm	0.1549 ppm
Concentration per Run	0.0046 ppm	0.0665 ppm	0.2460 ppm	0.7458 ppm	145.1072 ppm	15.4451 ppm	0.1574 ppm
Concentration per Run	0.0041 ppm	0.0680 ppm	0.2462 ppm	0.7425 ppm	141.6940 ppm	15.0359 ppm	0.1532 ppm
Concentration per Run	0.0042 ppm	0.0671 ppm	0.2472 ppm	0.7493 ppm	143.7829 ppm	15.2269 ppm	0.1540 ppm
Concentration RSD	5.3 %	1.1 %	0.3 %	0.5 %	1.2 %	1.3 %	1.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	40.2235 ppm	3.7357 ppm	0.0103 ppm	1.3706 ppm	0.2921 ppm	1.2723 ppm	-0.0005 ppm
Concentration per Run	40.2153 ppm	3.7714 ppm	0.0105 ppm	1.3414 ppm	0.2933 ppm	1.2686 ppm	-0.0053 ppm
Concentration per Run	40.0978 ppm	3.6931 ppm	0.0104 ppm	1.3747 ppm	0.2920 ppm	1.2692 ppm	0.0031 ppm
Concentration per Run	40.3574 ppm	3.7425 ppm	0.0099 ppm	1.3958 ppm	0.2910 ppm	1.2792 ppm	0.0008 ppm
Concentration RSD	0.3 %	1.1 %	3.3 %	2.0 %	0.4 %	0.5 %	926.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0011 ppm	7.2514 ppm	0.0328 ppm	0.1138 ppm	4.2026 ppm	-0.0010 ppm	0.2239 ppm
Concentration per Run	0.0002 ppm	7.2301 ppm	0.0321 ppm	0.1151 ppm	4.2019 ppm	-0.0017 ppm	0.2237 ppm
Concentration per Run	-0.0028 ppm	7.2502 ppm	0.0332 ppm	0.1122 ppm	4.1906 ppm	-0.0009 ppm	0.2231 ppm
Concentration per Run	0.0058 ppm	7.2739 ppm	0.0331 ppm	0.1140 ppm	4.2154 ppm	-0.0002 ppm	0.2248 ppm
Concentration RSD	400.8 %	0.3 %	1.9 %	1.3 %	0.3 %	82.0 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.9371 ppm	97.9849 %	103.6968 %	96.5169 %	100.0921 %	107.3264 %	104.8471 %
Concentration per Run	1.9321 ppm	97.2411 %	104.3025 %	96.8484 %	99.1426 %	104.4742 %	105.3706 %
Concentration per Run	1.9417 ppm	98.2265 %	104.6620 %	95.9632 %	100.5055 %	109.0030 %	103.8779 %
Concentration per Run	1.9376 ppm	98.4871 %	102.1260 %	96.7392 %	100.6283 %	108.5020 %	105.2928 %
Concentration RSD	0.2 %	0.7 %	1.3 %	0.5 %	0.8 %	2.3 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557440-03d2 WG2116757
 Analysis started at: 9/24/2025 1:14:58 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 6

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	81.6279 ppm	0.1625 ppm	0.0046 ppm	0.4038 ppm	0.0054 ppm	86.3593 ppm
Concentration per Run	0.0000 ppm	81.5091 ppm	0.1662 ppm	0.0054 ppm	0.4046 ppm	0.0054 ppm	86.4352 ppm
Concentration per Run	0.0000 ppm	82.1665 ppm	0.1607 ppm	0.0058 ppm	0.4046 ppm	0.0055 ppm	86.8240 ppm
Concentration per Run	-0.0004 ppm	81.2081 ppm	0.1606 ppm	0.0025 ppm	0.4020 ppm	0.0054 ppm	85.8186 ppm
Concentration RSD	164.5 %	0.6 %	2.0 %	38.8 %	0.4 %	1.0 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0008 ppm	0.0854 ppm	0.2508 ppm	0.3040 ppm	197.5657 ppm	25.0922 ppm	0.2830 ppm
Concentration per Run	0.0008 ppm	0.0862 ppm	0.2505 ppm	0.3040 ppm	197.2368 ppm	25.0209 ppm	0.2838 ppm
Concentration per Run	0.0008 ppm	0.0852 ppm	0.2497 ppm	0.3039 ppm	198.8441 ppm	25.2716 ppm	0.2831 ppm
Concentration per Run	0.0007 ppm	0.0850 ppm	0.2522 ppm	0.3040 ppm	196.6163 ppm	24.9841 ppm	0.2822 ppm
Concentration RSD	5.3 %	0.8 %	0.5 %	0.0 %	0.6 %	0.6 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	49.8146 ppm	4.9480 ppm	0.0080 ppm	1.3072 ppm	0.2681 ppm	0.5419 ppm	0.0025 ppm
Concentration per Run	50.0404 ppm	4.9377 ppm	0.0073 ppm	1.3010 ppm	0.2689 ppm	0.5422 ppm	-0.0001 ppm
Concentration per Run	49.6074 ppm	4.9767 ppm	0.0079 ppm	1.3248 ppm	0.2669 ppm	0.5428 ppm	0.0044 ppm
Concentration per Run	49.7960 ppm	4.9298 ppm	0.0087 ppm	1.2956 ppm	0.2686 ppm	0.5407 ppm	0.0033 ppm
Concentration RSD	0.4 %	0.5 %	9.0 %	1.2 %	0.4 %	0.2 %	92.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0004 ppm	7.3793 ppm	0.0173 ppm	0.1862 ppm	4.1292 ppm	0.0008 ppm	0.2496 ppm
Concentration per Run	0.0022 ppm	7.4146 ppm	0.0184 ppm	0.1863 ppm	4.1474 ppm	0.0024 ppm	0.2511 ppm
Concentration per Run	-0.0045 ppm	7.3597 ppm	0.0183 ppm	0.1871 ppm	4.1177 ppm	0.0003 ppm	0.2493 ppm
Concentration per Run	0.0036 ppm	7.3637 ppm	0.0153 ppm	0.1851 ppm	4.1225 ppm	-0.0003 ppm	0.2485 ppm
Concentration RSD	959.5 %	0.4 %	10.2 %	0.6 %	0.4 %	180.4 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6264 ppm	99.9140 %	102.0675 %	95.7834 %	103.6093 %	107.0139 %	107.4776 %
Concentration per Run	0.6296 ppm	99.1137 %	102.1733 %	96.5066 %	102.4585 %	105.3154 %	108.2045 %
Concentration per Run	0.6218 ppm	101.2000 %	101.7464 %	95.7697 %	104.9858 %	108.7966 %	107.6690 %
Concentration per Run	0.6279 ppm	99.4282 %	102.2827 %	95.0738 %	103.3838 %	106.9296 %	106.5593 %
Concentration RSD	0.7 %	1.1 %	0.3 %	0.7 %	1.2 %	1.6 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 1:17:03 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4931 ppm	0.4814 ppm	0.4799 ppm	0.4891 ppm	0.4959 ppm	0.5085 ppm	0.5123 ppm
Concentration per Run	0.4941 ppm	0.4827 ppm	0.4841 ppm	0.4927 ppm	0.4984 ppm	0.5133 ppm	0.5135 ppm
Concentration per Run	0.4907 ppm	0.4781 ppm	0.4781 ppm	0.4838 ppm	0.4971 ppm	0.5051 ppm	0.5119 ppm
Concentration per Run	0.4944 ppm	0.4836 ppm	0.4774 ppm	0.4908 ppm	0.4923 ppm	0.5071 ppm	0.5116 ppm
Recovery Percentage	98.615 %	96.290 %	95.976 %	97.815 %	99.184 %	101.705 %	102.467 %
Concentration RSD	0.4 %	0.6 %	0.8 %	1.0 %	0.6 %	0.8 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5014 ppm	0.5092 ppm	0.4987 ppm	0.5098 ppm	0.5028 ppm	5.2133 ppm	0.5111 ppm
Concentration per Run	0.5021 ppm	0.5072 ppm	0.4975 ppm	0.5093 ppm	0.5070 ppm	5.2620 ppm	0.5166 ppm
Concentration per Run	0.4985 ppm	0.5078 ppm	0.4966 ppm	0.5075 ppm	0.4991 ppm	5.1695 ppm	0.5057 ppm
Concentration per Run	0.5036 ppm	0.5126 ppm	0.5021 ppm	0.5126 ppm	0.5023 ppm	5.2084 ppm	0.5111 ppm
Recovery Percentage	100.282 %	101.838 %	99.749 %	101.967 %	100.560 %	104.266 %	102.227 %
Concentration RSD	0.5 %	0.6 %	0.6 %	0.5 %	0.8 %	0.9 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5029 ppm	0.5071 ppm	0.4917 ppm	10.0088 ppm	0.5170 ppm	0.5106 ppm	0.5045 ppm
Concentration per Run	0.5071 ppm	0.5128 ppm	0.4913 ppm	10.1073 ppm	0.5163 ppm	0.5136 ppm	0.5053 ppm
Concentration per Run	0.4977 ppm	0.5023 ppm	0.4902 ppm	9.9369 ppm	0.5168 ppm	0.5113 ppm	0.5014 ppm
Concentration per Run	0.5038 ppm	0.5061 ppm	0.4937 ppm	9.9822 ppm	0.5180 ppm	0.5071 ppm	0.5069 ppm
Recovery Percentage	100.576 %	101.413 %	98.343 %	100.088 %	103.408 %	102.125 %	100.902 %
Concentration RSD	0.9 %	1.0 %	0.4 %	0.9 %	0.2 %	0.6 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4907 ppm	5.3489 ppm	0.4946 ppm	0.5004 ppm	0.4966 ppm	0.5113 ppm	0.5058 ppm
Concentration per Run	0.4902 ppm	5.3434 ppm	0.4937 ppm	0.5028 ppm	0.4969 ppm	0.5148 ppm	0.5044 ppm
Concentration per Run	0.4964 ppm	5.3283 ppm	0.4891 ppm	0.5017 ppm	0.4945 ppm	0.5116 ppm	0.5045 ppm
Concentration per Run	0.4856 ppm	5.3749 ppm	0.5011 ppm	0.4966 ppm	0.4983 ppm	0.5074 ppm	0.5084 ppm
Recovery Percentage	98.150 %	101.883 %	98.928 %	100.079 %	99.314 %	102.252 %	101.151 %
Concentration RSD	1.1 %	0.4 %	1.2 %	0.7 %	0.4 %	0.7 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5067 ppm	100.1661 %	102.0576 %	99.4572 %	96.8840 %	96.7118 %	98.5531 %
Concentration per Run	0.5055 ppm	100.1354 %	101.0969 %	99.8294 %	97.0647 %	96.6060 %	99.0676 %
Concentration per Run	0.5051 ppm	101.0022 %	103.1535 %	98.7091 %	97.4463 %	96.6333 %	97.7645 %
Concentration per Run	0.5094 ppm	99.3608 %	101.9222 %	99.8332 %	96.1410 %	96.8960 %	98.8270 %
Recovery Percentage	101.336 %						
Concentration RSD	0.5 %	0.8 %	1.0 %	0.7 %	0.7 %	0.2 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 1:19:08 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	-0.0002 ppm	-0.0012 ppm	0.0016 ppm	0.0000 ppm	0.0000 ppm	0.0149 ppm
Concentration per Run	0.0010 ppm	-0.0072 ppm	-0.0015 ppm	0.0021 ppm	0.0001 ppm	0.0000 ppm	0.0141 ppm
Concentration per Run	0.0002 ppm	0.0038 ppm	-0.0014 ppm	0.0023 ppm	-0.0001 ppm	0.0000 ppm	0.0141 ppm
Concentration per Run	0.0000 ppm	0.0029 ppm	-0.0006 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0165 ppm
Recovery Percentage	5.714 %	-0.160 %	-23.319 %	5.252 %	0.171 %	1.060 %	14.888 %
Concentration RSD	124.7 %	3,829.2 %	39.2 %	70.0 %	500.3 %	85.6 %	9.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0008 ppm	-0.0085 ppm	-0.0003 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0001 ppm	-0.0001 ppm	0.0007 ppm	-0.0592 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0001 ppm	-0.0003 ppm	0.0013 ppm	0.0098 ppm	-0.0003 ppm
Concentration per Run	-0.0002 ppm	-0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0241 ppm	-0.0003 ppm
Recovery Percentage	-0.641 %	-1.234 %	1.354 %	-1.134 %	1.529 %	-0.338 %	-6.638 %
Concentration RSD	350.0 %	192.6 %	61.0 %	156.0 %	59.3 %	527.1 %	23.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0039 ppm	0.0003 ppm	0.0015 ppm	-0.0016 ppm	-0.0003 ppm	0.0010 ppm	-0.0010 ppm
Concentration per Run	-0.0020 ppm	0.0004 ppm	0.0019 ppm	0.0008 ppm	-0.0001 ppm	0.0010 ppm	-0.0007 ppm
Concentration per Run	-0.0067 ppm	0.0004 ppm	0.0013 ppm	-0.0002 ppm	-0.0012 ppm	0.0003 ppm	0.0009 ppm
Concentration per Run	-0.0031 ppm	0.0001 ppm	0.0013 ppm	-0.0055 ppm	0.0004 ppm	0.0017 ppm	-0.0030 ppm
Recovery Percentage	-3.918 %	2.718 %	3.010 %	-0.081 %	-1.304 %	9.943 %	-1.907 %
Concentration RSD	62.1 %	61.1 %	24.8 %	208.8 %	253.3 %	66.4 %	206.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0027 ppm	0.0043 ppm	0.0004 ppm	-0.0003 ppm	0.0002 ppm	-0.0004 ppm	-0.0002 ppm
Concentration per Run	-0.0082 ppm	0.0055 ppm	-0.0005 ppm	-0.0002 ppm	0.0002 ppm	0.0007 ppm	-0.0004 ppm
Concentration per Run	0.0025 ppm	0.0042 ppm	0.0003 ppm	-0.0002 ppm	0.0002 ppm	-0.0010 ppm	0.0002 ppm
Concentration per Run	-0.0022 ppm	0.0032 ppm	0.0013 ppm	-0.0004 ppm	0.0002 ppm	-0.0010 ppm	-0.0003 ppm
Recovery Percentage	-26.551 %	0.866 %	0.706 %	-2.701 %	2.135 %	-2.164 %	-1.730 %
Concentration RSD	202.1 %	26.9 %	247.6 %	32.4 %	16.9 %	236.0 %	192.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	96.7447 %	98.1641 %	98.4589 %	95.3953 %	95.1855 %	98.7046 %
Concentration per Run	0.0001 ppm	96.3298 %	97.1744 %	98.6108 %	94.9717 %	94.3033 %	98.8065 %
Concentration per Run	0.0008 ppm	96.2285 %	98.9164 %	99.1150 %	94.9569 %	95.3199 %	99.1716 %
Concentration per Run	0.0005 ppm	97.6758 %	98.4016 %	97.6510 %	96.2571 %	95.9334 %	98.1358 %
Recovery Percentage	9.378 %						
Concentration RSD	73.7 %	0.8 %	0.9 %	0.8 %	0.8 %	0.9 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LLOQ .01
 Analysis started at: 9/24/2025 1:22:53 PM
 Comment: <Comment>
 Rack Number: 4
 Vial Numbers: 2

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0116 ppm	0.0140 ppm	0.0105 ppm	0.0116 ppm	0.0109 ppm	0.0108 ppm	0.0172 ppm
Concentration per Run	0.0115 ppm	0.0128 ppm	0.0103 ppm	0.0101 ppm	0.0111 ppm	0.0109 ppm	0.0196 ppm
Concentration per Run	0.0116 ppm	0.0228 ppm	0.0114 ppm	0.0119 ppm	0.0107 ppm	0.0107 ppm	0.0110 ppm
Concentration per Run	0.0116 ppm	0.0063 ppm	0.0099 ppm	0.0126 ppm	0.0107 ppm	0.0109 ppm	0.0212 ppm
Recovery Percentage	0.000 %	0.000 %	105.139 %	115.607 %	108.619 %	0.000 %	0.000 %
Concentration RSD	0.5 %	59.4 %	7.3 %	11.1 %	2.2 %	1.2 %	31.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0108 ppm	0.0108 ppm	0.0105 ppm	0.0106 ppm	0.0130 ppm	0.1440 ppm	0.0100 ppm
Concentration per Run	0.0107 ppm	0.0106 ppm	0.0103 ppm	0.0104 ppm	0.0143 ppm	0.1471 ppm	0.0095 ppm
Concentration per Run	0.0109 ppm	0.0108 ppm	0.0107 ppm	0.0109 ppm	0.0131 ppm	0.1664 ppm	0.0084 ppm
Concentration per Run	0.0107 ppm	0.0110 ppm	0.0106 ppm	0.0104 ppm	0.0116 ppm	0.1187 ppm	0.0120 ppm
Recovery Percentage	0.000 %	107.908 %	105.336 %	105.922 %	0.000 %	0.000 %	99.609 %
Concentration RSD	1.2 %	1.7 %	2.0 %	2.6 %	10.5 %	16.7 %	18.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0099 ppm	0.0111 ppm	0.0117 ppm	0.2190 ppm	0.0119 ppm	0.0114 ppm	0.0108 ppm
Concentration per Run	0.0107 ppm	0.0111 ppm	0.0115 ppm	0.2159 ppm	0.0117 ppm	0.0125 ppm	0.0153 ppm
Concentration per Run	0.0112 ppm	0.0111 ppm	0.0114 ppm	0.2243 ppm	0.0116 ppm	0.0103 ppm	0.0086 ppm
Concentration per Run	0.0078 ppm	0.0111 ppm	0.0121 ppm	0.2166 ppm	0.0123 ppm	0.0116 ppm	0.0084 ppm
Recovery Percentage	0.000 %	111.049 %	116.888 %	0.000 %	118.693 %	114.375 %	0.000 %
Concentration RSD	18.8 %	0.4 %	3.4 %	2.1 %	3.0 %	9.7 %	36.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0114 ppm	0.1181 ppm	0.0108 ppm	0.0109 ppm	0.0110 ppm	0.0116 ppm	0.0105 ppm
Concentration per Run	0.0103 ppm	0.1163 ppm	0.0122 ppm	0.0112 ppm	0.0109 ppm	0.0122 ppm	0.0107 ppm
Concentration per Run	0.0139 ppm	0.1222 ppm	0.0097 ppm	0.0107 ppm	0.0108 ppm	0.0122 ppm	0.0100 ppm
Concentration per Run	0.0100 ppm	0.1158 ppm	0.0107 ppm	0.0108 ppm	0.0112 ppm	0.0105 ppm	0.0108 ppm
Recovery Percentage	114.198 %	0.000 %	108.354 %	108.766 %	109.876 %	116.401 %	104.956 %
Concentration RSD	18.7 %	3.0 %	11.7 %	2.2 %	1.8 %	8.5 %	3.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0110 ppm	101.6728 %	102.1267 %	102.8485 %	100.3097 %	99.1292 %	103.5086 %
Concentration per Run	0.0112 ppm	103.2211 %	101.2268 %	103.3939 %	101.9835 %	99.9795 %	104.0217 %
Concentration per Run	0.0112 ppm	100.6226 %	103.6276 %	102.3300 %	99.3827 %	100.1985 %	103.0295 %
Concentration per Run	0.0106 ppm	101.1746 %	101.5257 %	102.8217 %	99.5629 %	97.2098 %	103.4747 %
Recovery Percentage	109.919 %						
Concentration RSD	3.0 %	1.3 %	1.3 %	0.5 %	1.4 %	1.7 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557440-04d2 WG2116757
 Analysis started at: 9/24/2025 1:24:58 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 7

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0015 ppm	47.0569 ppm	0.1776 ppm	0.0199 ppm	0.2482 ppm	0.0081 ppm	75.0519 ppm
Concentration per Run	-0.0009 ppm	46.6360 ppm	0.1733 ppm	0.0199 ppm	0.2462 ppm	0.0080 ppm	74.4752 ppm
Concentration per Run	-0.0017 ppm	47.0180 ppm	0.1784 ppm	0.0187 ppm	0.2476 ppm	0.0081 ppm	75.2318 ppm
Concentration per Run	-0.0020 ppm	47.5166 ppm	0.1811 ppm	0.0211 ppm	0.2509 ppm	0.0082 ppm	75.4487 ppm
Concentration RSD	36.6 %	0.9 %	2.2 %	6.1 %	1.0 %	1.0 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0005 ppm	0.0630 ppm	0.1300 ppm	0.1427 ppm	160.3367 ppm	12.3299 ppm	0.1233 ppm
Concentration per Run	-0.0004 ppm	0.0622 ppm	0.1283 ppm	0.1402 ppm	158.5966 ppm	12.2813 ppm	0.1220 ppm
Concentration per Run	-0.0004 ppm	0.0636 ppm	0.1317 ppm	0.1437 ppm	160.0355 ppm	12.2640 ppm	0.1219 ppm
Concentration per Run	-0.0006 ppm	0.0631 ppm	0.1302 ppm	0.1443 ppm	162.3780 ppm	12.4442 ppm	0.1261 ppm
Concentration RSD	19.7 %	1.1 %	1.3 %	1.5 %	1.2 %	0.8 %	1.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	36.0611 ppm	5.4990 ppm	0.0098 ppm	1.6983 ppm	0.1262 ppm	0.4463 ppm	0.0016 ppm
Concentration per Run	35.4617 ppm	5.4579 ppm	0.0096 ppm	1.6839 ppm	0.1249 ppm	0.4446 ppm	0.0039 ppm
Concentration per Run	36.2923 ppm	5.4903 ppm	0.0095 ppm	1.6922 ppm	0.1265 ppm	0.4458 ppm	0.0026 ppm
Concentration per Run	36.4293 ppm	5.5487 ppm	0.0104 ppm	1.7188 ppm	0.1273 ppm	0.4487 ppm	-0.0018 ppm
Concentration RSD	1.5 %	0.8 %	5.3 %	1.1 %	1.0 %	0.5 %	189.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0003 ppm	13.9618 [SIC 100]	0.0112 ppm	0.1724 ppm	2.5643 ppm	0.0003 ppm	0.1705 ppm
Concentration per Run	-0.0030 ppm	13.7445 ppm	0.0115 ppm	0.1713 ppm	2.5348 ppm	-0.0014 ppm	0.1682 ppm
Concentration per Run	0.0019 ppm	14.0412 ppm	0.0095 ppm	0.1719 ppm	2.5759 ppm	0.0002 ppm	0.1718 ppm
Concentration per Run	0.0003 ppm	14.0996 ppm	0.0126 ppm	0.1741 ppm	2.5821 ppm	0.0019 ppm	0.1715 ppm
Concentration RSD	906.6 %	1.4 %	14.1 %	0.9 %	1.0 %	647.2 %	1.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3123 ppm	98.2021 %	104.0287 %	96.5247 %	102.3266 %	105.8813 %	107.8140 %
Concentration per Run	0.3081 ppm	99.2313 %	105.6766 %	96.6768 %	103.2025 %	107.3155 %	107.6400 %
Concentration per Run	0.3126 ppm	98.2330 %	104.0058 %	97.0374 %	102.6426 %	105.2627 %	108.6285 %
Concentration per Run	0.3162 ppm	97.1422 %	102.4038 %	95.8600 %	101.1348 %	105.0657 %	107.1734 %
Concentration RSD	1.3 %	1.1 %	1.6 %	0.6 %	1.0 %	1.2 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557440-05d2 WG2116757
 Analysis started at: 9/24/2025 1:27:03 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 8

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	81.8236 ppm	0.1435 ppm	0.0056 ppm	0.3941 ppm	0.0041 ppm	32.6266 ppm
Concentration per Run	0.0004 ppm	80.9220 ppm	0.1424 ppm	0.0050 ppm	0.3869 ppm	0.0040 ppm	32.4802 ppm
Concentration per Run	0.0014 ppm	81.9922 ppm	0.1449 ppm	0.0062 ppm	0.3950 ppm	0.0041 ppm	32.5067 ppm
Concentration per Run	0.0003 ppm	82.5567 ppm	0.1432 ppm	0.0055 ppm	0.4005 ppm	0.0041 ppm	32.8928 ppm
Concentration RSD	85.4 %	1.0 %	0.9 %	10.8 %	1.7 %	1.6 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0010 ppm	0.0946 ppm	0.2989 ppm	0.2384 ppm	166.0068 ppm	25.6219 ppm	0.1772 ppm
Concentration per Run	0.0011 ppm	0.0938 ppm	0.2938 ppm	0.2348 ppm	162.7185 ppm	25.0743 ppm	0.1760 ppm
Concentration per Run	0.0010 ppm	0.0935 ppm	0.3001 ppm	0.2388 ppm	166.5427 ppm	25.7851 ppm	0.1770 ppm
Concentration per Run	0.0011 ppm	0.0964 ppm	0.3027 ppm	0.2415 ppm	168.7593 ppm	26.0062 ppm	0.1786 ppm
Concentration RSD	3.0 %	1.7 %	1.5 %	1.4 %	1.8 %	1.9 %	0.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	48.5242 ppm	2.8117 ppm	0.0068 ppm	2.8373 ppm	0.2910 ppm	0.1577 ppm	-0.0022 ppm
Concentration per Run	48.3384 ppm	2.7863 ppm	0.0071 ppm	2.8143 ppm	0.2875 ppm	0.1586 ppm	-0.0028 ppm
Concentration per Run	48.3795 ppm	2.8041 ppm	0.0068 ppm	2.8535 ppm	0.2920 ppm	0.1577 ppm	-0.0001 ppm
Concentration per Run	48.8548 ppm	2.8448 ppm	0.0064 ppm	2.8441 ppm	0.2936 ppm	0.1570 ppm	-0.0037 ppm
Concentration RSD	0.6 %	1.1 %	5.0 %	0.7 %	1.1 %	0.5 %	83.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0011 ppm	7.5079 ppm	0.0148 ppm	0.1150 ppm	5.6572 ppm	0.0028 ppm	0.2443 ppm
Concentration per Run	0.0063 ppm	7.5042 ppm	0.0163 ppm	0.1125 ppm	5.6382 ppm	0.0030 ppm	0.2433 ppm
Concentration per Run	-0.0023 ppm	7.4906 ppm	0.0132 ppm	0.1157 ppm	5.6488 ppm	0.0031 ppm	0.2440 ppm
Concentration per Run	-0.0008 ppm	7.5290 ppm	0.0150 ppm	0.1167 ppm	5.6846 ppm	0.0023 ppm	0.2454 ppm
Concentration RSD	426.2 %	0.3 %	10.4 %	1.9 %	0.4 %	16.7 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6523 ppm	97.3187 %	102.9100 %	94.2757 %	98.1458 %	106.0061 %	102.0224 %
Concentration per Run	0.6486 ppm	97.1931 %	103.5295 %	93.4755 %	97.8163 %	106.4722 %	101.4027 %
Concentration per Run	0.6518 ppm	97.1593 %	102.5627 %	95.1395 %	97.9859 %	106.4869 %	102.8934 %
Concentration per Run	0.6564 ppm	97.6036 %	102.6376 %	94.2120 %	98.6352 %	105.0593 %	101.7711 %
Concentration RSD	0.6 %	0.3 %	0.5 %	0.9 %	0.4 %	0.8 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557440-06d2 WG2116757
 Analysis started at: 9/24/2025 1:29:09 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 9

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	61.6385 ppm	0.1431 ppm	0.0031 ppm	0.2887 ppm	0.0030 ppm	18.9224 ppm
Concentration per Run	0.0006 ppm	62.1006 ppm	0.1449 ppm	0.0036 ppm	0.2911 ppm	0.0031 ppm	19.1001 ppm
Concentration per Run	0.0001 ppm	61.2025 ppm	0.1434 ppm	0.0057 ppm	0.2863 ppm	0.0030 ppm	18.7717 ppm
Concentration per Run	-0.0001 ppm	61.6123 ppm	0.1412 ppm	0.0001 ppm	0.2887 ppm	0.0030 ppm	18.8956 ppm
Concentration RSD	180.0 %	0.7 %	1.3 %	91.6 %	0.8 %	1.7 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0007 ppm	0.0611 ppm	0.1893 ppm	0.1653 ppm	128.6707 ppm	18.2357 ppm	0.1285 ppm
Concentration per Run	0.0008 ppm	0.0612 ppm	0.1882 ppm	0.1645 ppm	129.4839 ppm	18.4012 ppm	0.1298 ppm
Concentration per Run	0.0005 ppm	0.0602 ppm	0.1872 ppm	0.1637 ppm	127.7527 ppm	18.0984 ppm	0.1280 ppm
Concentration per Run	0.0006 ppm	0.0620 ppm	0.1925 ppm	0.1676 ppm	128.7755 ppm	18.2073 ppm	0.1277 ppm
Concentration RSD	23.4 %	1.5 %	1.5 %	1.2 %	0.7 %	0.8 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	35.1757 ppm	2.0664 ppm	0.0046 ppm	2.3872 ppm	0.1959 ppm	0.1124 ppm	-0.0012 ppm
Concentration per Run	35.0075 ppm	2.0766 ppm	0.0041 ppm	2.3957 ppm	0.1947 ppm	0.1127 ppm	0.0029 ppm
Concentration per Run	35.0584 ppm	2.0543 ppm	0.0046 ppm	2.3649 ppm	0.1952 ppm	0.1123 ppm	0.0009 ppm
Concentration per Run	35.4611 ppm	2.0683 ppm	0.0051 ppm	2.4008 ppm	0.1977 ppm	0.1123 ppm	-0.0075 ppm
Concentration RSD	0.7 %	0.5 %	11.8 %	0.8 %	0.8 %	0.2 %	450.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0009 ppm	7.3907 ppm	0.0107 ppm	0.0809 ppm	3.8976 ppm	0.0015 ppm	0.1691 ppm
Concentration per Run	0.0062 ppm	7.3524 ppm	0.0098 ppm	0.0816 ppm	3.8731 ppm	0.0018 ppm	0.1683 ppm
Concentration per Run	-0.0017 ppm	7.3626 ppm	0.0103 ppm	0.0800 ppm	3.8915 ppm	0.0011 ppm	0.1690 ppm
Concentration per Run	-0.0019 ppm	7.4572 ppm	0.0120 ppm	0.0811 ppm	3.9283 ppm	0.0017 ppm	0.1701 ppm
Concentration RSD	527.1 %	0.8 %	10.7 %	1.0 %	0.7 %	23.7 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4084 ppm	96.6770 %	99.8701 %	95.1328 %	96.4452 %	104.5565 %	101.0463 %
Concentration per Run	0.4054 ppm	97.1598 %	98.4185 %	94.4072 %	96.5801 %	103.2129 %	100.4447 %
Concentration per Run	0.4070 ppm	97.1159 %	99.0257 %	95.4279 %	96.9660 %	103.0853 %	101.3545 %
Concentration per Run	0.4129 ppm	95.7553 %	102.1662 %	95.5632 %	95.7895 %	107.3713 %	101.3398 %
Concentration RSD	1.0 %	0.8 %	2.0 %	0.7 %	0.6 %	2.3 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557440-07d2 WG2116757
 Analysis started at: 9/24/2025 1:31:14 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 10

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0027 ppm	24.2933 ppm	0.5006 ppm	0.0051 ppm	0.1229 ppm	0.0061 ppm	43.3512 ppm
Concentration per Run	-0.0031 ppm	24.3810 ppm	0.4968 ppm	0.0043 ppm	0.1226 ppm	0.0061 ppm	43.5931 ppm
Concentration per Run	-0.0020 ppm	24.1891 ppm	0.5036 ppm	0.0070 ppm	0.1234 ppm	0.0060 ppm	43.2958 ppm
Concentration per Run	-0.0029 ppm	24.3098 ppm	0.5013 ppm	0.0041 ppm	0.1227 ppm	0.0061 ppm	43.1646 ppm
Concentration RSD	20.3 %	0.4 %	0.7 %	31.9 %	0.3 %	1.1 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0019 ppm	0.0254 ppm	0.0424 ppm	0.0836 ppm	101.2844 ppm	6.3157 ppm	0.0731 ppm
Concentration per Run	0.0018 ppm	0.0256 ppm	0.0431 ppm	0.0842 ppm	101.1638 ppm	6.2986 ppm	0.0731 ppm
Concentration per Run	0.0020 ppm	0.0252 ppm	0.0424 ppm	0.0837 ppm	101.1411 ppm	6.3394 ppm	0.0719 ppm
Concentration per Run	0.0019 ppm	0.0254 ppm	0.0417 ppm	0.0829 ppm	101.5484 ppm	6.3091 ppm	0.0743 ppm
Concentration RSD	4.5 %	0.8 %	1.7 %	0.8 %	0.2 %	0.3 %	1.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	15.6279 ppm	5.0770 ppm	0.0065 ppm	1.9922 ppm	0.0505 ppm	0.4052 ppm	-0.0045 ppm
Concentration per Run	15.7416 ppm	5.0816 ppm	0.0071 ppm	1.9772 ppm	0.0520 ppm	0.4052 ppm	-0.0077 ppm
Concentration per Run	15.5290 ppm	5.0666 ppm	0.0054 ppm	1.9972 ppm	0.0491 ppm	0.4043 ppm	0.0004 ppm
Concentration per Run	15.6131 ppm	5.0828 ppm	0.0069 ppm	2.0023 ppm	0.0504 ppm	0.4061 ppm	-0.0060 ppm
Concentration RSD	0.7 %	0.2 %	13.9 %	0.7 %	2.8 %	0.2 %	95.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0057 ppm	7.7132 ppm	0.0072 ppm	0.1238 ppm	1.3982 ppm	-0.0010 ppm	0.0653 ppm
Concentration per Run	-0.0026 ppm	7.8019 ppm	0.0085 ppm	0.1238 ppm	1.4039 ppm	-0.0009 ppm	0.0657 ppm
Concentration per Run	-0.0076 ppm	7.5942 ppm	0.0065 ppm	0.1237 ppm	1.3904 ppm	-0.0005 ppm	0.0642 ppm
Concentration per Run	-0.0069 ppm	7.7434 ppm	0.0067 ppm	0.1239 ppm	1.4002 ppm	-0.0016 ppm	0.0661 ppm
Concentration RSD	47.9 %	1.4 %	15.2 %	0.1 %	0.5 %	54.8 %	1.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4566 ppm	100.5522 %	108.2127 %	98.3324 %	103.8606 %	109.5306 %	107.3130 %
Concentration per Run	0.4597 ppm	99.6110 %	109.2436 %	97.9540 %	102.6245 %	109.8849 %	107.0161 %
Concentration per Run	0.4545 ppm	101.0383 %	109.0193 %	98.5050 %	104.1297 %	110.2268 %	107.2951 %
Concentration per Run	0.4555 ppm	101.0073 %	106.3753 %	98.5383 %	104.8276 %	108.4801 %	107.6278 %
Concentration RSD	0.6 %	0.8 %	1.5 %	0.3 %	1.1 %	0.8 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: eL2558002-01d2 WG2116757
 Analysis started at: 9/24/2025 1:33:19 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 11

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0010 ppm	58.9326 ppm	0.0933 ppm	0.0332 ppm	0.6559 ppm	0.0024 ppm	1,114.7313 [SIC 1000]
Concentration per Run	0.0016 ppm	58.8806 ppm	0.0928 ppm	0.0315 ppm	0.6575 ppm	0.0024 ppm	1,110.5109 ppm
Concentration per Run	0.0000 ppm	58.5803 ppm	0.0929 ppm	0.0342 ppm	0.6515 ppm	0.0024 ppm	1,105.3991 ppm
Concentration per Run	0.0015 ppm	59.3369 ppm	0.0942 ppm	0.0339 ppm	0.6588 ppm	0.0024 ppm	1,128.2838 ppm
Concentration RSD	87.2 %	0.6 %	0.9 %	4.4 %	0.6 %	0.8 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0122 ppm	0.0636 ppm	0.0804 ppm	0.2321 ppm	167.7926 ppm	5.9334 ppm	0.1718 ppm
Concentration per Run	-0.0122 ppm	0.0642 ppm	0.0801 ppm	0.2317 ppm	168.0147 ppm	5.9617 ppm	0.1644 ppm
Concentration per Run	-0.0124 ppm	0.0640 ppm	0.0804 ppm	0.2336 ppm	166.7003 ppm	5.8672 ppm	0.1739 ppm
Concentration per Run	-0.0119 ppm	0.0625 ppm	0.0808 ppm	0.2311 ppm	168.6626 ppm	5.9712 ppm	0.1771 ppm
Concentration RSD	1.9 %	1.4 %	0.4 %	0.6 %	0.6 %	1.0 %	3.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	242.1687 ppm	3.4346 ppm	0.0102 ppm	0.8255 ppm	0.1154 ppm	0.6858 ppm	0.0079 ppm
Concentration per Run	242.5046 ppm	3.4339 ppm	0.0095 ppm	0.8257 ppm	0.1149 ppm	0.6888 ppm	0.0098 ppm
Concentration per Run	243.3382 ppm	3.4098 ppm	0.0105 ppm	0.8259 ppm	0.1171 ppm	0.6907 ppm	0.0061 ppm
Concentration per Run	240.6634 ppm	3.4601 ppm	0.0107 ppm	0.8250 ppm	0.1143 ppm	0.6778 ppm	0.0078 ppm
Concentration RSD	0.6 %	0.7 %	6.6 %	0.1 %	1.3 %	1.0 %	23.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0034 ppm	29.5539 [SIC 100]	0.0276 ppm	1.7866 ppm	1.2376 ppm	0.0019 ppm	0.0877 ppm
Concentration per Run	0.0044 ppm	29.5555 ppm	0.0281 ppm	1.7906 ppm	1.2426 ppm	0.0000 ppm	0.0879 ppm
Concentration per Run	0.0080 ppm	29.5775 ppm	0.0276 ppm	1.7775 ppm	1.2398 ppm	0.0005 ppm	0.0882 ppm
Concentration per Run	-0.0022 ppm	29.5287 ppm	0.0272 ppm	1.7917 ppm	1.2304 ppm	0.0051 ppm	0.0870 ppm
Concentration RSD	150.5 %	0.1 %	1.7 %	0.4 %	0.5 %	150.9 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4344 ppm	88.5989 %	100.7562 %	81.9862 %	90.1957 %	102.2739 %	94.1709 %
Concentration per Run	0.4333 ppm	88.3925 %	100.7105 %	81.7571 %	89.8654 %	101.9815 %	93.8641 %
Concentration per Run	0.4355 ppm	88.3338 %	102.3472 %	81.7816 %	90.0992 %	103.4576 %	94.1716 %
Concentration per Run	0.4344 ppm	89.0704 %	99.2108 %	82.4200 %	90.6224 %	101.3826 %	94.4771 %
Concentration RSD	0.3 %	0.5 %	1.6 %	0.5 %	0.4 %	1.0 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: eL2558002-02d2 WG2116757
 Analysis started at: 9/24/2025 1:35:26 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 12

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	54.0880 ppm	0.0851 ppm	0.0156 ppm	0.5988 ppm	0.0024 ppm	1,068.8521 [SIC 1000]
Concentration per Run	0.0008 ppm	53.9320 ppm	0.0818 ppm	0.0142 ppm	0.5989 ppm	0.0024 ppm	1,069.3580 ppm
Concentration per Run	0.0011 ppm	54.5474 ppm	0.0876 ppm	0.0153 ppm	0.6028 ppm	0.0024 ppm	1,076.0160 ppm
Concentration per Run	0.0005 ppm	53.7846 ppm	0.0859 ppm	0.0172 ppm	0.5947 ppm	0.0025 ppm	1,061.1824 ppm
Concentration RSD	38.4 %	0.7 %	3.5 %	9.8 %	0.7 %	1.9 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0106 ppm	0.0705 ppm	0.0732 ppm	0.2836 ppm	161.9856 ppm	5.0515 ppm	0.2024 ppm
Concentration per Run	-0.0103 ppm	0.0699 ppm	0.0716 ppm	0.2817 ppm	161.5865 ppm	5.0521 ppm	0.2000 ppm
Concentration per Run	-0.0106 ppm	0.0698 ppm	0.0736 ppm	0.2849 ppm	163.3865 ppm	5.0801 ppm	0.2182 ppm
Concentration per Run	-0.0108 ppm	0.0719 ppm	0.0743 ppm	0.2842 ppm	160.9839 ppm	5.0222 ppm	0.1891 ppm
Concentration RSD	2.5 %	1.7 %	2.0 %	0.6 %	0.8 %	0.6 %	7.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	257.0677 ppm	4.0686 ppm	0.0069 ppm	0.5322 ppm	0.1218 ppm	0.5867 ppm	-0.0034 ppm
Concentration per Run	254.6199 ppm	4.0545 ppm	0.0071 ppm	0.5309 ppm	0.1214 ppm	0.5845 ppm	0.0015 ppm
Concentration per Run	258.1602 ppm	4.1031 ppm	0.0066 ppm	0.5397 ppm	0.1205 ppm	0.5892 ppm	-0.0028 ppm
Concentration per Run	258.4229 ppm	4.0483 ppm	0.0071 ppm	0.5260 ppm	0.1234 ppm	0.5863 ppm	-0.0088 ppm
Concentration RSD	0.8 %	0.7 %	3.9 %	1.3 %	1.2 %	0.4 %	152.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0006 ppm	10.3596 [SIC 100]	0.0443 ppm	1.7615 ppm	0.5692 ppm	-0.0011 ppm	0.0662 ppm
Concentration per Run	-0.0085 ppm	10.2741 ppm	0.0451 ppm	1.7600 ppm	0.5657 ppm	-0.0015 ppm	0.0649 ppm
Concentration per Run	0.0017 ppm	10.3823 ppm	0.0428 ppm	1.7729 ppm	0.5708 ppm	-0.0030 ppm	0.0670 ppm
Concentration per Run	0.0050 ppm	10.4223 ppm	0.0450 ppm	1.7515 ppm	0.5711 ppm	0.0013 ppm	0.0666 ppm
Concentration RSD	1,220.6 %	0.7 %	3.0 %	0.6 %	0.5 %	203.0 %	1.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6608 ppm	89.2628 %	100.1548 %	82.1042 %	91.5865 %	102.0650 %	95.0686 %
Concentration per Run	0.6571 ppm	89.8716 %	99.8636 %	82.3109 %	92.0166 %	101.4271 %	95.1541 %
Concentration per Run	0.6586 ppm	89.2387 %	99.4036 %	81.9898 %	91.5897 %	102.3688 %	95.0724 %
Concentration per Run	0.6666 ppm	88.6783 %	101.1973 %	82.0118 %	91.1533 %	102.3992 %	94.9794 %
Concentration RSD	0.8 %	0.7 %	0.9 %	0.2 %	0.5 %	0.5 %	0.1 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 1:37:31 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4972 ppm	0.4930 ppm	0.4835 ppm	0.4922 ppm	0.4957 ppm	0.5071 ppm	0.5272 ppm
Concentration per Run	0.4942 ppm	0.4846 ppm	0.4778 ppm	0.4909 ppm	0.4924 ppm	0.5047 ppm	0.5312 ppm
Concentration per Run	0.4964 ppm	0.4945 ppm	0.4822 ppm	0.4912 ppm	0.4987 ppm	0.5050 ppm	0.5262 ppm
Concentration per Run	0.5010 ppm	0.4999 ppm	0.4904 ppm	0.4945 ppm	0.4959 ppm	0.5114 ppm	0.5241 ppm
Recovery Percentage	99.442 %	98.594 %	96.696 %	98.441 %	99.135 %	101.411 %	105.439 %
Concentration RSD	0.7 %	1.6 %	1.3 %	0.4 %	0.6 %	0.7 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5041 ppm	0.5120 ppm	0.4988 ppm	0.5125 ppm	0.5029 ppm	5.2333 ppm	0.5127 ppm
Concentration per Run	0.5010 ppm	0.5079 ppm	0.4951 ppm	0.5076 ppm	0.5054 ppm	5.2586 ppm	0.5103 ppm
Concentration per Run	0.5052 ppm	0.5155 ppm	0.5033 ppm	0.5159 ppm	0.5001 ppm	5.1825 ppm	0.5150 ppm
Concentration per Run	0.5062 ppm	0.5127 ppm	0.4981 ppm	0.5140 ppm	0.5033 ppm	5.2587 ppm	0.5126 ppm
Recovery Percentage	100.826 %	102.408 %	99.768 %	102.501 %	100.581 %	104.665 %	102.530 %
Concentration RSD	0.5 %	0.7 %	0.8 %	0.9 %	0.5 %	0.8 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5113 ppm	0.5076 ppm	0.4942 ppm	9.9895 ppm	0.5191 ppm	0.5088 ppm	0.5108 ppm
Concentration per Run	0.5167 ppm	0.5069 ppm	0.4916 ppm	9.9398 ppm	0.5154 ppm	0.5078 ppm	0.5036 ppm
Concentration per Run	0.5094 ppm	0.5060 ppm	0.4940 ppm	9.9873 ppm	0.5205 ppm	0.5070 ppm	0.5131 ppm
Concentration per Run	0.5079 ppm	0.5098 ppm	0.4969 ppm	10.0413 ppm	0.5212 ppm	0.5117 ppm	0.5159 ppm
Recovery Percentage	102.266 %	101.512 %	98.836 %	99.895 %	103.811 %	101.766 %	102.169 %
Concentration RSD	0.9 %	0.4 %	0.5 %	0.5 %	0.6 %	0.5 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4879 ppm	5.4198 ppm	0.4996 ppm	0.5010 ppm	0.4997 ppm	0.5069 ppm	0.5096 ppm
Concentration per Run	0.4836 ppm	5.3781 ppm	0.4983 ppm	0.4986 ppm	0.4967 ppm	0.5038 ppm	0.5061 ppm
Concentration per Run	0.4882 ppm	5.4227 ppm	0.4993 ppm	0.5035 ppm	0.4991 ppm	0.5026 ppm	0.5104 ppm
Concentration per Run	0.4920 ppm	5.4585 ppm	0.5012 ppm	0.5008 ppm	0.5033 ppm	0.5144 ppm	0.5121 ppm
Recovery Percentage	97.581 %	103.234 %	99.918 %	100.198 %	99.942 %	101.384 %	101.912 %
Concentration RSD	0.9 %	0.7 %	0.3 %	0.5 %	0.7 %	1.3 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5098 ppm	100.6534 %	103.7600 %	102.3802 %	97.2696 %	99.3599 %	101.7623 %
Concentration per Run	0.5060 ppm	100.4956 %	104.3586 %	101.7978 %	97.1870 %	99.3431 %	101.1338 %
Concentration per Run	0.5119 ppm	101.0305 %	104.5542 %	103.4364 %	97.8490 %	100.4672 %	102.8404 %
Concentration per Run	0.5115 ppm	100.4340 %	102.3671 %	101.9063 %	96.7729 %	98.2693 %	101.3127 %
Recovery Percentage	101.957 %						
Concentration RSD	0.7 %	0.3 %	1.2 %	0.9 %	0.6 %	1.1 %	0.9 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 1:39:37 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	0.0014 ppm	-0.0015 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0176 ppm
Concentration per Run	0.0004 ppm	-0.0101 ppm	-0.0032 ppm	-0.0011 ppm	0.0001 ppm	0.0001 ppm	0.0175 ppm
Concentration per Run	0.0007 ppm	0.0111 ppm	0.0015 ppm	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0162 ppm
Concentration per Run	0.0004 ppm	0.0031 ppm	-0.0029 ppm	0.0033 ppm	0.0001 ppm	0.0001 ppm	0.0192 ppm
Recovery Percentage	7.249 %	1.366 %	-30.712 %	1.415 %	0.623 %	1.833 %	17.630 %
Concentration RSD	38.7 %	785.8 %	173.1 %	592.3 %	107.0 %	35.3 %	8.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0006 ppm	-0.0002 ppm	-0.0005 ppm	0.0013 ppm	0.0173 ppm	-0.0028 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	-0.0005 ppm	-0.0005 ppm	0.0015 ppm	0.0638 ppm	-0.0025 ppm
Concentration per Run	0.0000 ppm	-0.0007 ppm	0.0001 ppm	-0.0006 ppm	0.0021 ppm	0.0041 ppm	-0.0006 ppm
Concentration per Run	-0.0002 ppm	-0.0004 ppm	0.0000 ppm	-0.0003 ppm	0.0003 ppm	-0.0159 ppm	-0.0053 ppm
Recovery Percentage	-0.871 %	-2.763 %	-1.598 %	-4.552 %	2.600 %	0.693 %	-56.696 %
Concentration RSD	260.7 %	29.5 %	205.5 %	29.2 %	71.3 %	239.4 %	83.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0003 ppm	0.0004 ppm	0.0007 ppm	0.0046 ppm	-0.0003 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run	-0.0009 ppm	0.0003 ppm	0.0008 ppm	0.0066 ppm	-0.0007 ppm	0.0002 ppm	0.0015 ppm
Concentration per Run	-0.0005 ppm	0.0004 ppm	0.0004 ppm	0.0059 ppm	0.0002 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0022 ppm	0.0006 ppm	0.0008 ppm	0.0013 ppm	-0.0004 ppm	-0.0010 ppm	0.0010 ppm
Recovery Percentage	0.276 %	4.280 %	1.316 %	0.231 %	-1.216 %	-0.397 %	1.525 %
Concentration RSD	604.9 %	28.0 %	38.7 %	62.4 %	152.6 %	2,145.5 %	113.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0008 ppm	0.0186 ppm	0.0010 ppm	-0.0002 ppm	0.0002 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run	0.0004 ppm	0.0200 ppm	0.0021 ppm	-0.0002 ppm	0.0002 ppm	-0.0011 ppm	0.0002 ppm
Concentration per Run	-0.0022 ppm	0.0169 ppm	0.0002 ppm	-0.0002 ppm	0.0004 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run	-0.0005 ppm	0.0188 ppm	0.0008 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0001 ppm
Recovery Percentage	-7.743 %	3.715 %	2.024 %	-1.549 %	2.270 %	-2.296 %	0.172 %
Concentration RSD	170.3 %	8.4 %	96.1 %	58.4 %	67.4 %	173.6 %	972.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	99.0194 %	102.0064 %	101.0324 %	97.7113 %	99.5387 %	101.3571 %
Concentration per Run	0.0002 ppm	99.3470 %	101.0961 %	100.6520 %	98.4755 %	100.2294 %	100.7768 %
Concentration per Run	0.0008 ppm	98.7439 %	102.4331 %	101.9395 %	97.3151 %	98.9347 %	102.4213 %
Concentration per Run	0.0004 ppm	98.9672 %	102.4899 %	100.5055 %	97.3432 %	99.4519 %	100.8732 %
Recovery Percentage	9.372 %						
Concentration RSD	65.9 %	0.3 %	0.8 %	0.8 %	0.7 %	0.7 %	0.9 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118729-1 WG2118729
 Analysis started at: 9/24/2025 1:50:23 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 15

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	0.0020 ppm	-0.0012 ppm	-0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0159 ppm
Concentration per Run	-0.0003 ppm	0.0031 ppm	-0.0017 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0147 ppm
Concentration per Run	0.0001 ppm	0.0099 ppm	-0.0013 ppm	-0.0016 ppm	0.0000 ppm	0.0001 ppm	0.0130 ppm
Concentration per Run	0.0003 ppm	-0.0070 ppm	-0.0005 ppm	-0.0010 ppm	0.0000 ppm	0.0001 ppm	0.0200 ppm
Concentration RSD	792.6 %	424.3 %	51.6 %	83.7 %	174.7 %	73.6 %	22.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0006 ppm	-0.0003 ppm	-0.0001 ppm	0.0029 ppm	0.0015 ppm	-0.0029 ppm
Concentration per Run	-0.0002 ppm	-0.0008 ppm	-0.0008 ppm	-0.0004 ppm	0.0038 ppm	-0.0064 ppm	-0.0039 ppm
Concentration per Run	-0.0001 ppm	-0.0011 ppm	-0.0003 ppm	0.0001 ppm	0.0025 ppm	0.0312 ppm	-0.0028 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0023 ppm	-0.0202 ppm	-0.0021 ppm
Concentration RSD	46.5 %	103.4 %	143.4 %	269.8 %	29.8 %	1,741.2 %	30.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0034 ppm	0.0002 ppm	0.0009 ppm	0.0022 ppm	0.0005 ppm	0.0007 ppm	-0.0046 ppm
Concentration per Run	0.0041 ppm	0.0002 ppm	0.0011 ppm	-0.0044 ppm	0.0001 ppm	0.0021 ppm	-0.0017 ppm
Concentration per Run	0.0024 ppm	0.0001 ppm	0.0008 ppm	0.0113 ppm	0.0004 ppm	0.0004 ppm	-0.0040 ppm
Concentration per Run	0.0035 ppm	0.0003 ppm	0.0009 ppm	-0.0004 ppm	0.0008 ppm	-0.0002 ppm	-0.0080 ppm
Concentration RSD	25.7 %	33.2 %	15.0 %	376.6 %	76.1 %	162.5 %	68.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0008 ppm	0.0179 ppm	0.0002 ppm	0.0000 ppm	0.0009 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	0.0173 ppm	-0.0001 ppm	0.0001 ppm	0.0009 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run	-0.0034 ppm	0.0203 ppm	0.0009 ppm	-0.0001 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run	0.0008 ppm	0.0162 ppm	-0.0001 ppm	0.0001 ppm	0.0009 ppm	0.0009 ppm	-0.0004 ppm
Concentration RSD	295.0 %	11.7 %	232.6 %	389.7 %	4.0 %	107.0 %	206.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0016 ppm	105.2667 %	105.3797 %	105.3288 %	104.4387 %	102.6706 %	105.7201 %
Concentration per Run	0.0015 ppm	104.8011 %	104.9764 %	107.1224 %	103.5049 %	101.2819 %	107.5361 %
Concentration per Run	0.0018 ppm	105.8881 %	106.1407 %	105.0425 %	105.2823 %	103.2255 %	105.5543 %
Concentration per Run	0.0016 ppm	105.1109 %	105.0220 %	103.8215 %	104.5288 %	103.5045 %	104.0700 %
Concentration RSD	7.6 %	0.5 %	0.6 %	1.6 %	0.9 %	1.2 %	1.6 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118729-2 WG2118729
 Analysis started at: 9/24/2025 1:52:38 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 16

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0496 ppm	1.9961 ppm	0.1152 ppm	1.0134 ppm	1.9435 ppm	0.0500 ppm	10.3932 ppm
Concentration per Run	0.0492 ppm	2.0053 ppm	0.1135 ppm	1.0027 ppm	1.9471 ppm	0.0501 ppm	10.4036 ppm
Concentration per Run	0.0493 ppm	1.9901 ppm	0.1145 ppm	1.0118 ppm	1.9320 ppm	0.0498 ppm	10.3424 ppm
Concentration per Run	0.0502 ppm	1.9930 ppm	0.1175 ppm	1.0259 ppm	1.9513 ppm	0.0500 ppm	10.4334 ppm
Concentration RSD	1.1 %	0.4 %	1.8 %	1.2 %	0.5 %	0.3 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0516 ppm	0.4875 ppm	0.1927 ppm	0.2429 ppm	0.9806 ppm	10.7565 ppm	-0.0002 ppm
Concentration per Run	0.0512 ppm	0.4842 ppm	0.1909 ppm	0.2412 ppm	0.9841 ppm	10.8026 ppm	0.0006 ppm
Concentration per Run	0.0514 ppm	0.4873 ppm	0.1930 ppm	0.2433 ppm	0.9767 ppm	10.6911 ppm	-0.0014 ppm
Concentration per Run	0.0522 ppm	0.4910 ppm	0.1943 ppm	0.2443 ppm	0.9811 ppm	10.7759 ppm	0.0002 ppm
Concentration RSD	1.0 %	0.7 %	0.9 %	0.6 %	0.4 %	0.5 %	546.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.3170 ppm	0.4915 ppm	1.0034 [SIC xx]	10.5063 ppm	0.5011 ppm	0.5150 ppm	0.4758 ppm
Concentration per Run	10.3523 ppm	0.4933 ppm	0.9983 ppm	10.5485 ppm	0.4990 ppm	0.5152 ppm	0.4697 ppm
Concentration per Run	10.2320 ppm	0.4894 ppm	1.0001 ppm	10.4555 ppm	0.5001 ppm	0.5131 ppm	0.4795 ppm
Concentration per Run	10.3666 ppm	0.4919 ppm	1.0118 ppm	10.5150 ppm	0.5042 ppm	0.5167 ppm	0.4782 ppm
Concentration RSD	0.7 %	0.4 %	0.7 %	0.4 %	0.5 %	0.3 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1177 ppm	1.0304 ppm	1.0006 [SIC xx]	1.0093 ppm	0.9975 ppm	0.1169 ppm	0.5031 ppm
Concentration per Run	0.1180 ppm	1.0225 ppm	0.9975 ppm	1.0129 ppm	0.9962 ppm	0.1137 ppm	0.5007 ppm
Concentration per Run	0.1136 ppm	1.0310 ppm	0.9971 ppm	1.0033 ppm	0.9913 ppm	0.1191 ppm	0.5012 ppm
Concentration per Run	0.1214 ppm	1.0376 ppm	1.0071 ppm	1.0118 ppm	1.0049 ppm	0.1179 ppm	0.5073 ppm
Concentration RSD	3.3 %	0.7 %	0.6 %	0.5 %	0.7 %	2.4 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5013 ppm	102.2531 %	106.5805 %	103.0519 %	99.0479 %	102.6645 %	102.5660 %
Concentration per Run	0.4995 ppm	102.7097 %	106.8548 %	102.4374 %	98.8873 %	103.0373 %	101.8279 %
Concentration per Run	0.5001 ppm	102.4632 %	106.8478 %	103.3725 %	99.4275 %	102.8938 %	102.8590 %
Concentration per Run	0.5042 ppm	101.5864 %	106.0389 %	103.3459 %	98.8290 %	102.0624 %	103.0110 %
Concentration RSD	0.5 %	0.6 %	0.4 %	0.5 %	0.3 %	0.5 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2559562-01d5 WG2118729
 Analysis started at: 9/24/2025 1:54:45 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 22

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0007 ppm	0.0007 ppm	0.0038 ppm	0.0536 ppm	0.0010 ppm	0.0001 ppm	56.5289 ppm
Concentration per Run	-0.0005 ppm	-0.0036 ppm	0.0067 ppm	0.0551 ppm	0.0010 ppm	0.0000 ppm	56.9775 ppm
Concentration per Run	-0.0007 ppm	0.0203 ppm	0.0015 ppm	0.0504 ppm	0.0009 ppm	0.0001 ppm	56.2714 ppm
Concentration per Run	-0.0009 ppm	-0.0147 ppm	0.0032 ppm	0.0553 ppm	0.0010 ppm	0.0001 ppm	56.3378 ppm
Concentration RSD	26.8 %	2,740.2 %	68.8 %	5.2 %	6.6 %	48.6 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0007 ppm	0.0001 ppm	0.0022 ppm	0.0010 ppm	0.0031 ppm	753.5975 ppm	0.0052 ppm
Concentration per Run	-0.0007 ppm	-0.0001 ppm	0.0011 ppm	0.0013 ppm	0.0055 ppm	754.0512 ppm	0.0047 ppm
Concentration per Run	-0.0006 ppm	0.0003 ppm	0.0023 ppm	0.0009 ppm	0.0019 ppm	753.6979 ppm	0.0056 ppm
Concentration per Run	-0.0009 ppm	0.0000 ppm	0.0033 ppm	0.0008 ppm	0.0019 ppm	753.0434 ppm	0.0052 ppm
Concentration RSD	18.3 %	300.6 %	48.4 %	22.7 %	66.7 %	0.1 %	8.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	12.3671 ppm	0.0007 ppm	0.0023 ppm	412.8114 ppm	0.0004 ppm	-0.0003 ppm	0.0017 ppm
Concentration per Run	12.2846 ppm	0.0009 ppm	0.0017 ppm	418.8187 ppm	-0.0006 ppm	-0.0003 ppm	0.0005 ppm
Concentration per Run	12.3789 ppm	0.0006 ppm	0.0025 ppm	407.4515 ppm	0.0013 ppm	-0.0007 ppm	0.0032 ppm
Concentration per Run	12.4378 ppm	0.0006 ppm	0.0026 ppm	412.1639 ppm	0.0004 ppm	0.0002 ppm	0.0014 ppm
Concentration RSD	0.6 %	30.4 %	22.0 %	1.4 %	275.8 %	157.7 %	80.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0036 ppm	0.3298 ppm	0.0051 ppm	0.0171 ppm	0.0007 ppm	-0.0012 ppm	-0.0003 ppm
Concentration per Run	-0.0004 ppm	0.3309 ppm	0.0046 ppm	0.0172 ppm	0.0010 ppm	0.0001 ppm	-0.0004 ppm
Concentration per Run	0.0028 ppm	0.3306 ppm	0.0056 ppm	0.0171 ppm	0.0002 ppm	-0.0028 ppm	-0.0004 ppm
Concentration per Run	0.0082 ppm	0.3279 ppm	0.0053 ppm	0.0171 ppm	0.0009 ppm	-0.0010 ppm	-0.0003 ppm
Concentration RSD	121.9 %	0.5 %	9.8 %	0.2 %	60.1 %	119.2 %	9.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0127 ppm	91.9639 %	102.6450 %	87.8635 %	88.6234 %	98.6127 %	93.0467 %
Concentration per Run	0.0130 ppm	92.4367 %	101.7079 %	87.2148 %	88.8372 %	99.5518 %	92.4894 %
Concentration per Run	0.0126 ppm	91.6624 %	102.6206 %	88.0808 %	88.3690 %	96.9305 %	93.3179 %
Concentration per Run	0.0126 ppm	91.7928 %	103.6066 %	88.2949 %	88.6639 %	99.3557 %	93.3328 %
Concentration RSD	1.8 %	0.5 %	0.9 %	0.7 %	0.3 %	1.5 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: zL2559562-01d10 WG2118729
 Analysis started at: 9/24/2025 1:56:52 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 23

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	-0.0017 ppm	0.0007 ppm	0.0280 ppm	0.0006 ppm	0.0001 ppm	29.3697 ppm
Concentration per Run	0.0004 ppm	0.0042 ppm	-0.0006 ppm	0.0286 ppm	0.0008 ppm	0.0001 ppm	29.2766 ppm
Concentration per Run	0.0003 ppm	-0.0030 ppm	0.0017 ppm	0.0293 ppm	0.0005 ppm	0.0000 ppm	29.3630 ppm
Concentration per Run	0.0009 ppm	-0.0064 ppm	0.0011 ppm	0.0262 ppm	0.0005 ppm	0.0000 ppm	29.4696 ppm
Concentration RSD	53.3 %	307.8 %	170.3 %	5.7 %	22.9 %	33.5 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0004 ppm	-0.0008 ppm	0.0015 ppm	0.0007 ppm	0.0024 ppm	393.3501 ppm	0.0016 ppm
Concentration per Run	-0.0003 ppm	-0.0008 ppm	0.0019 ppm	0.0002 ppm	0.0014 ppm	392.1753 ppm	0.0010 ppm
Concentration per Run	-0.0004 ppm	-0.0013 ppm	0.0011 ppm	0.0008 ppm	0.0014 ppm	394.6078 ppm	0.0024 ppm
Concentration per Run	-0.0005 ppm	-0.0002 ppm	0.0016 ppm	0.0009 ppm	0.0044 ppm	393.2673 ppm	0.0015 ppm
Concentration RSD	18.7 %	71.6 %	24.8 %	60.1 %	70.8 %	0.3 %	43.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	6.5566 ppm	0.0005 ppm	0.0014 ppm	216.8318 ppm	-0.0004 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run	6.5672 ppm	0.0006 ppm	0.0012 ppm	217.0663 ppm	-0.0007 ppm	0.0010 ppm	-0.0033 ppm
Concentration per Run	6.5513 ppm	0.0005 ppm	0.0015 ppm	216.8620 ppm	-0.0007 ppm	-0.0003 ppm	0.0036 ppm
Concentration per Run	6.5512 ppm	0.0005 ppm	0.0014 ppm	216.5671 ppm	0.0001 ppm	-0.0006 ppm	0.0053 ppm
Concentration RSD	0.1 %	10.2 %	11.7 %	0.1 %	117.6 %	2,383.6 %	244.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0026 ppm	0.1720 ppm	0.0036 ppm	0.0089 ppm	0.0007 ppm	-0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0037 ppm	0.1722 ppm	0.0051 ppm	0.0090 ppm	0.0010 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run	-0.0013 ppm	0.1721 ppm	0.0025 ppm	0.0090 ppm	0.0009 ppm	-0.0004 ppm	0.0003 ppm
Concentration per Run	0.0055 ppm	0.1717 ppm	0.0031 ppm	0.0089 ppm	0.0002 ppm	-0.0021 ppm	-0.0004 ppm
Concentration RSD	133.6 %	0.2 %	38.6 %	0.3 %	57.7 %	262.6 %	533.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0068 ppm	96.8702 %	106.3962 %	93.8746 %	93.1534 %	101.6942 %	97.5755 %
Concentration per Run	0.0066 ppm	97.3495 %	106.1480 %	93.9842 %	93.5663 %	101.6455 %	97.8377 %
Concentration per Run	0.0070 ppm	96.4647 %	105.8869 %	93.0011 %	92.6699 %	100.8983 %	96.7193 %
Concentration per Run	0.0069 ppm	96.7964 %	107.1538 %	94.6385 %	93.2241 %	102.5388 %	98.1696 %
Concentration RSD	2.6 %	0.5 %	0.6 %	0.9 %	0.5 %	0.8 %	0.8 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2559596-01 WG2118729
 Analysis started at: 9/24/2025 1:58:58 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 17

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	0.2649 ppm	0.0004 ppm	2.2199 ppm	0.1154 ppm	0.0001 ppm	307.1216 ppm
Concentration per Run	0.0009 ppm	0.2541 ppm	0.0008 ppm	2.2196 ppm	0.1160 ppm	0.0001 ppm	308.5848 ppm
Concentration per Run	-0.0001 ppm	0.2553 ppm	0.0014 ppm	2.2251 ppm	0.1159 ppm	0.0001 ppm	307.6654 ppm
Concentration per Run	0.0003 ppm	0.2854 ppm	-0.0010 ppm	2.2151 ppm	0.1143 ppm	0.0001 ppm	305.1147 ppm
Concentration RSD	142.9 %	6.7 %	305.3 %	0.2 %	0.9 %	11.2 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0038 ppm	-0.0007 ppm	0.0001 ppm	0.0010 ppm	5.2305 ppm	220.5520 ppm	0.1273 ppm
Concentration per Run	-0.0037 ppm	-0.0003 ppm	0.0007 ppm	0.0010 ppm	5.2473 ppm	220.5216 ppm	0.1289 ppm
Concentration per Run	-0.0038 ppm	-0.0008 ppm	-0.0005 ppm	0.0011 ppm	5.2588 ppm	221.6683 ppm	0.1278 ppm
Concentration per Run	-0.0039 ppm	-0.0009 ppm	0.0002 ppm	0.0010 ppm	5.1855 ppm	219.4662 ppm	0.1253 ppm
Concentration RSD	2.6 %	43.5 %	510.4 %	6.1 %	0.8 %	0.5 %	1.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	624.2841 [SIC 1000]	0.3760 ppm	0.0043 ppm	3,267.7806 [SIC 800]	0.0001 ppm	-0.0052 ppm	-0.0014 ppm
Concentration per Run	622.3739 ppm	0.3780 ppm	0.0035 ppm	3,318.1926 ppm	0.0002 ppm	-0.0068 ppm	-0.0009 ppm
Concentration per Run	626.9483 ppm	0.3763 ppm	0.0042 ppm	3,265.6898 ppm	-0.0004 ppm	-0.0064 ppm	-0.0010 ppm
Concentration per Run	623.5302 ppm	0.3737 ppm	0.0052 ppm	3,219.4595 ppm	0.0005 ppm	-0.0025 ppm	-0.0024 ppm
Concentration RSD	0.4 %	0.6 %	20.5 %	1.5 %	485.5 %	44.9 %	60.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0033 ppm	11.5503 [SIC 100]	-0.0001 ppm	4.5954 ppm	0.0090 ppm	0.0007 ppm	0.0020 ppm
Concentration per Run	-0.0041 ppm	11.4999 ppm	0.0018 ppm	4.6200 ppm	0.0118 ppm	-0.0022 ppm	0.0019 ppm
Concentration per Run	-0.0025 ppm	11.6135 ppm	-0.0005 ppm	4.6197 ppm	0.0075 ppm	0.0032 ppm	0.0019 ppm
Concentration per Run	-0.0033 ppm	11.5375 ppm	-0.0017 ppm	4.5464 ppm	0.0075 ppm	0.0010 ppm	0.0024 ppm
Concentration RSD	23.4 %	0.5 %	1,209.9 %	0.9 %	27.4 %	411.3 %	13.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3123 ppm	80.9351 %	98.1095 %	74.5417 %	77.8305 %	93.3324 %	81.5715 %
Concentration per Run	0.3108 ppm	81.0771 %	97.0323 %	74.7704 %	78.0394 %	93.3097 %	81.8171 %
Concentration per Run	0.3149 ppm	80.7095 %	98.2711 %	74.4545 %	77.5320 %	92.3714 %	81.3767 %
Concentration per Run	0.3112 ppm	81.0187 %	99.0251 %	74.4003 %	77.9202 %	94.3160 %	81.5207 %
Concentration RSD	0.7 %	0.2 %	1.0 %	0.3 %	0.3 %	1.0 %	0.3 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118729-3 WG2118729
 Analysis started at: 9/24/2025 2:01:03 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 18

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0569 ppm	2.3563 ppm	0.1518 ppm	3.1785 ppm	2.1469 ppm	0.0510 ppm	307.3578 ppm
Concentration per Run	0.0568 ppm	2.3591 ppm	0.1487 ppm	3.1753 ppm	2.1401 ppm	0.0508 ppm	306.3930 ppm
Concentration per Run	0.0570 ppm	2.3527 ppm	0.1557 ppm	3.1990 ppm	2.1555 ppm	0.0511 ppm	309.1800 ppm
Concentration per Run	0.0568 ppm	2.3572 ppm	0.1510 ppm	3.1613 ppm	2.1453 ppm	0.0509 ppm	306.5004 ppm
Concentration RSD	0.2 %	0.1 %	2.3 %	0.6 %	0.4 %	0.3 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0479 ppm	0.4806 ppm	0.1970 ppm	0.2546 ppm	6.0358 ppm	225.4965 ppm	0.1248 ppm
Concentration per Run	0.0478 ppm	0.4804 ppm	0.1966 ppm	0.2548 ppm	6.0093 ppm	224.0936 ppm	0.1228 ppm
Concentration per Run	0.0483 ppm	0.4843 ppm	0.1973 ppm	0.2556 ppm	6.0545 ppm	226.4526 ppm	0.1268 ppm
Concentration per Run	0.0477 ppm	0.4769 ppm	0.1970 ppm	0.2534 ppm	6.0436 ppm	225.9435 ppm	0.1248 ppm
Concentration RSD	0.6 %	0.8 %	0.2 %	0.4 %	0.4 %	0.6 %	1.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	615.3212 [SIC 1000]	0.8550 ppm	1.0625 [SIC xx]	3,068.5704 [SIC 800]	0.4876 ppm	0.5227 ppm	0.5634 ppm
Concentration per Run	615.1259 ppm	0.8549 ppm	1.0646 ppm	3,082.7301 ppm	0.4881 ppm	0.5197 ppm	0.5618 ppm
Concentration per Run	618.3205 ppm	0.8605 ppm	1.0684 ppm	3,090.7400 ppm	0.4900 ppm	0.5235 ppm	0.5716 ppm
Concentration per Run	612.5171 ppm	0.8496 ppm	1.0546 ppm	3,032.2411 ppm	0.4846 ppm	0.5249 ppm	0.5569 ppm
Concentration RSD	0.5 %	0.6 %	0.7 %	1.0 %	0.6 %	0.5 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1262 ppm	12.4531 [SIC 100]	0.9792 ppm	5.4916 ppm	1.0652 ppm	0.1114 ppm	0.5422 ppm
Concentration per Run	0.1170 ppm	12.4830 ppm	0.9752 ppm	5.4763 ppm	1.0661 ppm	0.1087 ppm	0.5426 ppm
Concentration per Run	0.1270 ppm	12.4877 ppm	0.9839 ppm	5.5101 ppm	1.0705 ppm	0.1112 ppm	0.5434 ppm
Concentration per Run	0.1345 ppm	12.3887 ppm	0.9785 ppm	5.4884 ppm	1.0591 ppm	0.1143 ppm	0.5407 ppm
Concentration RSD	6.9 %	0.4 %	0.5 %	0.3 %	0.5 %	2.5 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8138 ppm	81.4867 %	101.1643 %	75.6746 %	78.3187 %	95.1264 %	82.8847 %
Concentration per Run	0.8140 ppm	81.7745 %	101.6938 %	76.0032 %	78.9815 %	95.9298 %	83.1773 %
Concentration per Run	0.8209 ppm	80.8427 %	100.3720 %	75.4165 %	77.6056 %	95.2013 %	82.6263 %
Concentration per Run	0.8064 ppm	81.8430 %	101.4270 %	75.6040 %	78.3690 %	94.2482 %	82.8506 %
Concentration RSD	0.9 %	0.7 %	0.7 %	0.4 %	0.9 %	0.9 %	0.3 %

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LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118729-4 WG2118729
 Analysis started at: 9/24/2025 2:03:09 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 19

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0006 ppm	0.2586 ppm	0.0019 ppm	2.1459 ppm	0.1105 ppm	0.0001 ppm	295.4234 ppm
Concentration per Run	-0.0005 ppm	0.2654 ppm	-0.0001 ppm	2.1414 ppm	0.1100 ppm	0.0001 ppm	293.7369 ppm
Concentration per Run	-0.0004 ppm	0.2677 ppm	0.0038 ppm	2.1717 ppm	0.1102 ppm	0.0001 ppm	294.4498 ppm
Concentration per Run	-0.0008 ppm	0.2428 ppm	0.0018 ppm	2.1245 ppm	0.1112 ppm	0.0000 ppm	298.0835 ppm
Concentration RSD	38.9 %	5.3 %	104.3 %	1.1 %	0.6 %	44.7 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0035 ppm	-0.0001 ppm	0.0008 ppm	0.0010 ppm	5.0038 ppm	211.8355 ppm	0.1216 ppm
Concentration per Run	-0.0036 ppm	-0.0002 ppm	0.0006 ppm	0.0009 ppm	4.9474 ppm	208.5102 ppm	0.1201 ppm
Concentration per Run	-0.0034 ppm	0.0005 ppm	0.0007 ppm	0.0008 ppm	4.9960 ppm	212.2288 ppm	0.1211 ppm
Concentration per Run	-0.0035 ppm	-0.0007 ppm	0.0012 ppm	0.0013 ppm	5.0680 ppm	214.7675 ppm	0.1237 ppm
Concentration RSD	2.1 %	459.1 %	34.2 %	24.3 %	1.2 %	1.5 %	1.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	600.5971 [SIC 1000]	0.3617 ppm	0.0045 ppm	3,025.2404 [SIC 800]	0.0007 ppm	-0.0047 ppm	-0.0014 ppm
Concentration per Run	599.4933 ppm	0.3608 ppm	0.0043 ppm	3,002.7800 ppm	0.0016 ppm	-0.0047 ppm	-0.0023 ppm
Concentration per Run	604.4829 ppm	0.3604 ppm	0.0049 ppm	3,038.8256 ppm	-0.0005 ppm	-0.0041 ppm	-0.0040 ppm
Concentration per Run	597.8151 ppm	0.3640 ppm	0.0044 ppm	3,034.1157 ppm	0.0009 ppm	-0.0052 ppm	0.0021 ppm
Concentration RSD	0.6 %	0.5 %	7.3 %	0.6 %	151.9 %	11.2 %	223.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0021 ppm	11.1225 [SIC 100]	0.0009 ppm	4.3982 ppm	0.0077 ppm	0.0015 ppm	0.0020 ppm
Concentration per Run	0.0059 ppm	11.0976 ppm	-0.0005 ppm	4.3668 ppm	0.0083 ppm	0.0009 ppm	0.0017 ppm
Concentration per Run	-0.0020 ppm	11.2259 ppm	0.0016 ppm	4.3909 ppm	0.0075 ppm	0.0031 ppm	0.0022 ppm
Concentration per Run	-0.0103 ppm	11.0438 ppm	0.0016 ppm	4.4367 ppm	0.0074 ppm	0.0004 ppm	0.0022 ppm
Concentration RSD	378.0 %	0.8 %	133.3 %	0.8 %	6.4 %	93.6 %	15.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3009 ppm	83.0035 %	100.5962 %	77.1203 %	79.7849 %	95.7991 %	84.6685 %
Concentration per Run	0.3004 ppm	83.3032 %	101.6164 %	77.2660 %	80.3510 %	98.0836 %	84.9290 %
Concentration per Run	0.3051 ppm	82.5856 %	100.0007 %	77.0846 %	79.6630 %	94.8879 %	84.5210 %
Concentration per Run	0.2973 ppm	83.1216 %	100.1716 %	77.0102 %	79.3409 %	94.4259 %	84.5554 %
Concentration RSD	1.3 %	0.4 %	0.9 %	0.2 %	0.6 %	2.1 %	0.3 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118729-5 WG2118729
 Analysis started at: 9/24/2025 2:05:14 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 20

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0518 ppm	2.1954 ppm	0.1392 ppm	3.0889 ppm	1.9788 ppm	0.0470 ppm	308.0521 ppm
Concentration per Run	0.0509 ppm	2.1876 ppm	0.1371 ppm	3.0870 ppm	1.9662 ppm	0.0467 ppm	305.4553 ppm
Concentration per Run	0.0530 ppm	2.1966 ppm	0.1397 ppm	3.0950 ppm	1.9721 ppm	0.0470 ppm	308.4962 ppm
Concentration per Run	0.0516 ppm	2.2018 ppm	0.1408 ppm	3.0846 ppm	1.9982 ppm	0.0473 ppm	310.2046 ppm
Concentration RSD	2.1 %	0.3 %	1.4 %	0.2 %	0.9 %	0.6 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0446 ppm	0.4426 ppm	0.1811 ppm	0.2350 ppm	5.9795 ppm	224.9076 ppm	0.1219 ppm
Concentration per Run	0.0444 ppm	0.4425 ppm	0.1804 ppm	0.2345 ppm	5.9492 ppm	222.9132 ppm	0.1228 ppm
Concentration per Run	0.0448 ppm	0.4455 ppm	0.1819 ppm	0.2369 ppm	5.9770 ppm	224.1856 ppm	0.1195 ppm
Concentration per Run	0.0446 ppm	0.4397 ppm	0.1811 ppm	0.2335 ppm	6.0124 ppm	227.6241 ppm	0.1235 ppm
Concentration RSD	0.5 %	0.6 %	0.4 %	0.7 %	0.5 %	1.1 %	1.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	613.4152 [SIC 1000]	0.8247 ppm	0.9745 ppm	3,081.8368 [SIC 800]	0.4489 ppm	0.4915 ppm	0.5036 ppm
Concentration per Run	612.4309 ppm	0.8196 ppm	0.9737 ppm	3,083.9451 ppm	0.4493 ppm	0.4883 ppm	0.5036 ppm
Concentration per Run	615.8671 ppm	0.8256 ppm	0.9763 ppm	3,095.5919 ppm	0.4507 ppm	0.4936 ppm	0.5069 ppm
Concentration per Run	611.9477 ppm	0.8287 ppm	0.9735 ppm	3,065.9735 ppm	0.4466 ppm	0.4928 ppm	0.5003 ppm
Concentration RSD	0.3 %	0.6 %	0.2 %	0.5 %	0.5 %	0.6 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1362 ppm	12.0765 [SIC 100]	0.9087 ppm	5.3891 ppm	0.9828 ppm	0.1069 ppm	0.5000 ppm
Concentration per Run	0.1393 ppm	12.0993 ppm	0.9009 ppm	5.3576 ppm	0.9816 ppm	0.1073 ppm	0.4981 ppm
Concentration per Run	0.1349 ppm	12.1048 ppm	0.9147 ppm	5.3757 ppm	0.9870 ppm	0.1074 ppm	0.5034 ppm
Concentration per Run	0.1344 ppm	12.0254 ppm	0.9107 ppm	5.4339 ppm	0.9799 ppm	0.1059 ppm	0.4984 ppm
Concentration RSD	2.0 %	0.4 %	0.8 %	0.7 %	0.4 %	0.8 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7700 ppm	82.1856 %	99.0954 %	75.8239 %	79.0891 %	96.3074 %	82.9020 %
Concentration per Run	0.7678 ppm	82.3468 %	99.6574 %	75.9740 %	79.6210 %	96.2763 %	83.0986 %
Concentration per Run	0.7743 ppm	81.9742 %	99.0908 %	75.5841 %	78.6060 %	96.5259 %	82.6714 %
Concentration per Run	0.7680 ppm	82.2358 %	98.5380 %	75.9138 %	79.0402 %	96.1199 %	82.9360 %
Concentration RSD	0.5 %	0.2 %	0.6 %	0.3 %	0.6 %	0.2 %	0.3 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118729-6d5 WG2118729
 Analysis started at: 9/24/2025 2:07:20 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 21

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0446 ppm	-0.0002 ppm	0.4216 ppm	0.0218 ppm	0.0001 ppm	61.2790 ppm
Concentration per Run	-0.0006 ppm	0.0470 ppm	0.0004 ppm	0.4196 ppm	0.0219 ppm	0.0001 ppm	61.2453 ppm
Concentration per Run	0.0007 ppm	0.0394 ppm	0.0009 ppm	0.4243 ppm	0.0220 ppm	0.0001 ppm	61.2153 ppm
Concentration per Run	0.0003 ppm	0.0476 ppm	-0.0019 ppm	0.4209 ppm	0.0215 ppm	0.0001 ppm	61.3762 ppm
Concentration RSD	517.5 %	10.3 %	756.2 %	0.6 %	1.2 %	30.9 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0007 ppm	-0.0007 ppm	-0.0003 ppm	0.0005 ppm	1.0164 ppm	41.2611 ppm	0.0221 ppm
Concentration per Run	-0.0007 ppm	-0.0011 ppm	-0.0015 ppm	0.0008 ppm	1.0098 ppm	41.0479 ppm	0.0250 ppm
Concentration per Run	-0.0008 ppm	-0.0003 ppm	0.0002 ppm	0.0005 ppm	1.0243 ppm	41.4772 ppm	0.0196 ppm
Concentration per Run	-0.0007 ppm	-0.0006 ppm	0.0004 ppm	0.0002 ppm	1.0150 ppm	41.2582 ppm	0.0219 ppm
Concentration RSD	7.5 %	60.7 %	384.2 %	60.3 %	0.7 %	0.5 %	12.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	118.0366 ppm	0.0737 ppm	0.0019 ppm	910.8960 [SIC 800]	-0.0002 ppm	-0.0006 ppm	-0.0042 ppm
Concentration per Run	117.4129 ppm	0.0735 ppm	0.0023 ppm	906.7433 ppm	-0.0006 ppm	-0.0010 ppm	-0.0091 ppm
Concentration per Run	119.1294 ppm	0.0739 ppm	0.0019 ppm	914.1612 ppm	0.0004 ppm	-0.0008 ppm	-0.0043 ppm
Concentration per Run	117.5675 ppm	0.0738 ppm	0.0017 ppm	911.7834 ppm	-0.0004 ppm	-0.0001 ppm	0.0009 ppm
Concentration RSD	0.8 %	0.3 %	14.3 %	0.4 %	222.1 %	71.3 %	120.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0023 ppm	1.9941 ppm	0.0020 ppm	0.8742 ppm	0.0022 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run	0.0082 ppm	2.0191 ppm	0.0013 ppm	0.8715 ppm	0.0023 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run	-0.0049 ppm	1.9914 ppm	0.0027 ppm	0.8815 ppm	0.0023 ppm	0.0011 ppm	0.0002 ppm
Concentration per Run	0.0038 ppm	1.9719 ppm	0.0018 ppm	0.8695 ppm	0.0019 ppm	0.0001 ppm	0.0003 ppm
Concentration RSD	284.4 %	1.2 %	37.9 %	0.7 %	10.7 %	84.6 %	208.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0598 ppm	96.3751 %	105.5411 %	92.5665 %	92.3872 %	100.3303 %	98.1690 %
Concentration per Run	0.0592 ppm	95.5778 %	105.9965 %	93.2827 %	91.4192 %	100.9706 %	98.9585 %
Concentration per Run	0.0604 ppm	95.4696 %	104.5180 %	92.0278 %	91.7089 %	99.3189 %	97.6796 %
Concentration per Run	0.0597 ppm	98.0781 %	106.1089 %	92.3891 %	94.0333 %	100.7013 %	97.8690 %
Concentration RSD	1.0 %	1.5 %	0.8 %	0.7 %	1.6 %	0.9 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 2:09:26 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4985 ppm	0.4809 ppm	0.4858 ppm	0.4946 ppm	0.4980 ppm	0.5103 ppm	0.5022 ppm
Concentration per Run	0.4967 ppm	0.4786 ppm	0.4871 ppm	0.4914 ppm	0.5065 ppm	0.5177 ppm	0.5045 ppm
Concentration per Run	0.4964 ppm	0.4843 ppm	0.4864 ppm	0.4941 ppm	0.4940 ppm	0.5068 ppm	0.5012 ppm
Concentration per Run	0.5024 ppm	0.4797 ppm	0.4839 ppm	0.4984 ppm	0.4934 ppm	0.5064 ppm	0.5009 ppm
Recovery Percentage	99.694 %	96.173 %	97.159 %	98.926 %	99.597 %	102.057 %	100.441 %
Concentration RSD	0.7 %	0.6 %	0.4 %	0.7 %	1.5 %	1.3 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4975 ppm	0.5097 ppm	0.4986 ppm	0.5165 ppm	0.4956 ppm	5.3658 ppm	0.5129 ppm
Concentration per Run	0.4962 ppm	0.5070 ppm	0.4962 ppm	0.5155 ppm	0.4995 ppm	5.4113 ppm	0.5174 ppm
Concentration per Run	0.4948 ppm	0.5100 ppm	0.4961 ppm	0.5141 ppm	0.4939 ppm	5.3226 ppm	0.5122 ppm
Concentration per Run	0.5014 ppm	0.5122 ppm	0.5036 ppm	0.5199 ppm	0.4933 ppm	5.3636 ppm	0.5093 ppm
Recovery Percentage	99.501 %	101.950 %	99.722 %	103.300 %	99.117 %	107.316 %	102.589 %
Concentration RSD	0.7 %	0.5 %	0.9 %	0.6 %	0.7 %	0.8 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5072 ppm	0.5052 ppm	0.4912 ppm	10.2334 ppm	0.5149 ppm	0.5086 ppm	0.5143 ppm
Concentration per Run	0.5054 ppm	0.5085 ppm	0.4885 ppm	10.2823 ppm	0.5123 ppm	0.5100 ppm	0.5096 ppm
Concentration per Run	0.5051 ppm	0.5026 ppm	0.4892 ppm	10.1450 ppm	0.5153 ppm	0.5099 ppm	0.5137 ppm
Concentration per Run	0.5110 ppm	0.5045 ppm	0.4959 ppm	10.2729 ppm	0.5171 ppm	0.5058 ppm	0.5196 ppm
Recovery Percentage	101.438 %	101.040 %	98.241 %	102.334 %	102.982 %	101.716 %	102.856 %
Concentration RSD	0.7 %	0.6 %	0.8 %	0.7 %	0.5 %	0.5 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4968 ppm	5.3884 ppm	0.4922 ppm	0.5031 ppm	0.4980 ppm	0.5089 ppm	0.5065 ppm
Concentration per Run	0.4991 ppm	5.3616 ppm	0.4921 ppm	0.5123 ppm	0.4969 ppm	0.5121 ppm	0.5044 ppm
Concentration per Run	0.4956 ppm	5.3728 ppm	0.4876 ppm	0.4985 ppm	0.4956 ppm	0.5084 ppm	0.5051 ppm
Concentration per Run	0.4956 ppm	5.4307 ppm	0.4969 ppm	0.4986 ppm	0.5015 ppm	0.5063 ppm	0.5101 ppm
Recovery Percentage	99.357 %	102.636 %	98.443 %	100.624 %	99.595 %	101.789 %	101.300 %
Concentration RSD	0.4 %	0.7 %	0.9 %	1.6 %	0.6 %	0.6 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5028 ppm	108.6674 %	112.8853 %	109.3698 %	105.1257 %	108.3490 %	108.6577 %
Concentration per Run	0.5000 ppm	108.6635 %	113.3637 %	109.1700 %	104.5546 %	108.3986 %	108.4595 %
Concentration per Run	0.5016 ppm	109.8019 %	113.6834 %	108.7717 %	106.0377 %	108.6760 %	108.1846 %
Concentration per Run	0.5067 ppm	107.5367 %	111.6088 %	110.1677 %	104.7847 %	107.9722 %	109.3291 %
Recovery Percentage	100.556 %						
Concentration RSD	0.7 %	1.0 %	1.0 %	0.7 %	0.8 %	0.3 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 2:11:32 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	-0.0011 ppm	-0.0003 ppm	0.0028 ppm	0.0000 ppm	0.0001 ppm	0.0120 ppm
Concentration per Run	0.0004 ppm	0.0045 ppm	0.0003 ppm	0.0041 ppm	0.0001 ppm	0.0001 ppm	0.0117 ppm
Concentration per Run	0.0005 ppm	-0.0092 ppm	-0.0007 ppm	0.0026 ppm	0.0000 ppm	0.0001 ppm	0.0131 ppm
Concentration per Run	0.0001 ppm	0.0014 ppm	-0.0004 ppm	0.0017 ppm	-0.0001 ppm	0.0001 ppm	0.0112 ppm
Recovery Percentage	4.766 %	-1.079 %	-5.135 %	9.289 %	0.158 %	2.446 %	12.017 %
Concentration RSD	66.8 %	665.6 %	204.0 %	43.5 %	707.0 %	37.2 %	8.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0004 ppm	-0.0003 ppm	0.0003 ppm	0.0007 ppm	0.1665 ppm	0.0001 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	-0.0010 ppm	0.0001 ppm	0.0002 ppm	0.1826 ppm	-0.0014 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0009 ppm	0.1735 ppm	0.0009 ppm
Concentration per Run	-0.0001 ppm	-0.0006 ppm	0.0001 ppm	0.0007 ppm	0.0011 ppm	0.1433 ppm	0.0007 ppm
Recovery Percentage	-0.708 %	-2.083 %	-2.950 %	2.618 %	1.453 %	6.659 %	1.315 %
Concentration RSD	194.5 %	80.8 %	212.8 %	130.6 %	60.9 %	12.4 %	1,994.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0019 ppm	0.0002 ppm	0.0012 ppm	0.5082 ppm	0.0002 ppm	0.0002 ppm	0.0011 ppm
Concentration per Run	0.0020 ppm	0.0002 ppm	0.0009 ppm	0.5168 ppm	-0.0004 ppm	0.0007 ppm	-0.0041 ppm
Concentration per Run	0.0014 ppm	0.0002 ppm	0.0016 ppm	0.5020 ppm	0.0015 ppm	-0.0002 ppm	0.0076 ppm
Concentration per Run	0.0023 ppm	0.0003 ppm	0.0009 ppm	0.5059 ppm	-0.0005 ppm	0.0002 ppm	-0.0001 ppm
Recovery Percentage	1.876 %	2.357 %	2.301 %	25.412 %	0.849 %	2.378 %	2.289 %
Concentration RSD	23.0 %	19.0 %	32.8 %	1.5 %	538.5 %	189.0 %	516.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0017 ppm	0.0021 ppm	-0.0001 ppm	-0.0001 ppm	0.0009 ppm	-0.0011 ppm	-0.0003 ppm
Concentration per Run	-0.0016 ppm	0.0007 ppm	-0.0003 ppm	-0.0002 ppm	0.0008 ppm	-0.0006 ppm	-0.0004 ppm
Concentration per Run	-0.0015 ppm	0.0045 ppm	0.0006 ppm	-0.0002 ppm	0.0009 ppm	-0.0020 ppm	-0.0003 ppm
Concentration per Run	-0.0020 ppm	0.0011 ppm	-0.0007 ppm	0.0001 ppm	0.0010 ppm	-0.0006 ppm	-0.0003 ppm
Recovery Percentage	-17.231 %	0.423 %	-0.291 %	-0.830 %	9.285 %	-5.364 %	-3.254 %
Concentration RSD	15.2 %	98.5 %	481.4 %	200.2 %	13.4 %	75.7 %	6.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	106.2234 %	108.5460 %	107.4203 %	105.0142 %	106.5731 %	108.1562 %
Concentration per Run	0.0004 ppm	107.9797 %	109.8997 %	107.7084 %	106.5513 %	108.0792 %	108.1927 %
Concentration per Run	0.0007 ppm	105.5620 %	109.2239 %	106.8633 %	104.3364 %	106.9488 %	107.6498 %
Concentration per Run	0.0005 ppm	105.1286 %	106.5145 %	107.6891 %	104.1548 %	104.6912 %	108.6262 %
Recovery Percentage	9.974 %						
Concentration RSD	31.0 %	1.4 %	1.7 %	0.4 %	1.3 %	1.6 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558002-01d4 WG2116757
 Analysis started at: 9/24/2025 2:16:33 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 13

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	29.0562 ppm	0.0446 ppm	0.0189 ppm	0.3272 ppm	0.0013 ppm	565.9922 ppm
Concentration per Run	0.0005 ppm	29.0242 ppm	0.0431 ppm	0.0203 ppm	0.3265 ppm	0.0013 ppm	567.5983 ppm
Concentration per Run	0.0016 ppm	29.4114 ppm	0.0447 ppm	0.0166 ppm	0.3310 ppm	0.0012 ppm	567.3516 ppm
Concentration per Run	0.0000 ppm	28.7332 ppm	0.0461 ppm	0.0196 ppm	0.3243 ppm	0.0013 ppm	563.0266 ppm
Concentration RSD	120.9 %	1.2 %	3.4 %	10.3 %	1.0 %	1.7 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0059 ppm	0.0317 ppm	0.0400 ppm	0.1181 ppm	85.2235 ppm	2.9822 ppm	0.0798 ppm
Concentration per Run	-0.0061 ppm	0.0311 ppm	0.0404 ppm	0.1182 ppm	85.1779 ppm	3.0254 ppm	0.0910 ppm
Concentration per Run	-0.0060 ppm	0.0322 ppm	0.0402 ppm	0.1194 ppm	85.8738 ppm	2.9851 ppm	0.0793 ppm
Concentration per Run	-0.0057 ppm	0.0319 ppm	0.0394 ppm	0.1167 ppm	84.6187 ppm	2.9362 ppm	0.0691 ppm
Concentration RSD	3.3 %	1.7 %	1.3 %	1.2 %	0.7 %	1.5 %	13.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	122.5602 ppm	1.7372 ppm	0.0059 ppm	0.7235 ppm	0.0585 ppm	0.3457 ppm	0.0036 ppm
Concentration per Run	123.3299 ppm	1.7389 ppm	0.0062 ppm	0.7222 ppm	0.0585 ppm	0.3472 ppm	0.0026 ppm
Concentration per Run	122.3467 ppm	1.7458 ppm	0.0059 ppm	0.7082 ppm	0.0590 ppm	0.3460 ppm	0.0053 ppm
Concentration per Run	122.0040 ppm	1.7268 ppm	0.0057 ppm	0.7401 ppm	0.0580 ppm	0.3437 ppm	0.0030 ppm
Concentration RSD	0.6 %	0.6 %	4.1 %	2.2 %	0.9 %	0.5 %	40.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0007 ppm	14.6529 [SIC 100]	0.0150 ppm	0.8882 ppm	0.6195 ppm	-0.0011 ppm	0.0438 ppm
Concentration per Run	-0.0001 ppm	14.7013 ppm	0.0156 ppm	0.8883 ppm	0.6228 ppm	-0.0001 ppm	0.0442 ppm
Concentration per Run	-0.0001 ppm	14.6433 ppm	0.0148 ppm	0.8928 ppm	0.6197 ppm	-0.0004 ppm	0.0440 ppm
Concentration per Run	-0.0019 ppm	14.6140 ppm	0.0148 ppm	0.8834 ppm	0.6161 ppm	-0.0028 ppm	0.0433 ppm
Concentration RSD	148.3 %	0.3 %	3.1 %	0.5 %	0.5 %	134.4 %	1.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2219 ppm	97.8612 %	107.7787 %	92.9396 %	97.2413 %	108.6530 %	101.8028 %
Concentration per Run	0.2231 ppm	97.2156 %	108.5053 %	92.4829 %	96.7742 %	107.3650 %	101.4973 %
Concentration per Run	0.2215 ppm	98.3398 %	108.4648 %	92.8120 %	97.4896 %	107.9098 %	101.5948 %
Concentration per Run	0.2210 ppm	98.0282 %	106.3660 %	93.5238 %	97.4602 %	110.6843 %	102.3161 %
Concentration RSD	0.5 %	0.6 %	1.1 %	0.6 %	0.4 %	1.6 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558002-02d4 WG2116757
 Analysis started at: 9/24/2025 2:18:55 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 14

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	24.9655 ppm	0.0360 ppm	0.0093 ppm	0.2791 ppm	0.0012 ppm	510.6182 ppm
Concentration per Run	0.0010 ppm	25.0029 ppm	0.0371 ppm	0.0079 ppm	0.2783 ppm	0.0013 ppm	511.3154 ppm
Concentration per Run	0.0008 ppm	24.9330 ppm	0.0364 ppm	0.0104 ppm	0.2794 ppm	0.0012 ppm	510.1150 ppm
Concentration per Run	0.0004 ppm	24.9605 ppm	0.0344 ppm	0.0095 ppm	0.2795 ppm	0.0012 ppm	510.4242 ppm
Concentration RSD	37.8 %	0.1 %	3.9 %	13.4 %	0.2 %	4.3 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0050 ppm	0.0329 ppm	0.0338 ppm	0.1333 ppm	76.7298 ppm	2.4461 ppm	0.0894 ppm
Concentration per Run	-0.0049 ppm	0.0327 ppm	0.0339 ppm	0.1326 ppm	76.0240 ppm	2.4404 ppm	0.0882 ppm
Concentration per Run	-0.0052 ppm	0.0327 ppm	0.0337 ppm	0.1326 ppm	77.1925 ppm	2.4659 ppm	0.0882 ppm
Concentration per Run	-0.0050 ppm	0.0332 ppm	0.0340 ppm	0.1345 ppm	76.9728 ppm	2.4320 ppm	0.0918 ppm
Concentration RSD	3.2 %	0.9 %	0.5 %	0.8 %	0.8 %	0.7 %	2.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	120.6177 ppm	1.9296 ppm	0.0035 ppm	0.4825 ppm	0.0578 ppm	0.2744 ppm	-0.0016 ppm
Concentration per Run	121.0613 ppm	1.9360 ppm	0.0036 ppm	0.4914 ppm	0.0589 ppm	0.2760 ppm	-0.0029 ppm
Concentration per Run	120.3360 ppm	1.9274 ppm	0.0028 ppm	0.4749 ppm	0.0577 ppm	0.2737 ppm	0.0000 ppm
Concentration per Run	120.4558 ppm	1.9254 ppm	0.0041 ppm	0.4813 ppm	0.0567 ppm	0.2735 ppm	-0.0017 ppm
Concentration RSD	0.3 %	0.3 %	18.0 %	1.7 %	1.9 %	0.5 %	93.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0020 ppm	4.6958 ppm	0.0203 ppm	0.8223 ppm	0.2594 ppm	0.0006 ppm	0.0304 ppm
Concentration per Run	-0.0009 ppm	4.7092 ppm	0.0201 ppm	0.8174 ppm	0.2598 ppm	0.0009 ppm	0.0308 ppm
Concentration per Run	0.0021 ppm	4.6926 ppm	0.0182 ppm	0.8265 ppm	0.2590 ppm	0.0009 ppm	0.0300 ppm
Concentration per Run	0.0048 ppm	4.6856 ppm	0.0227 ppm	0.8230 ppm	0.2595 ppm	0.0000 ppm	0.0303 ppm
Concentration RSD	142.8 %	0.3 %	10.9 %	0.6 %	0.2 %	82.9 %	1.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3115 ppm	99.5278 %	108.1341 %	93.5857 %	99.1652 %	106.0203 %	102.4390 %
Concentration per Run	0.3113 ppm	99.1725 %	106.6618 %	93.5797 %	98.6155 %	104.6552 %	102.4629 %
Concentration per Run	0.3120 ppm	99.6166 %	109.0121 %	93.4208 %	98.7869 %	107.0567 %	102.2415 %
Concentration per Run	0.3112 ppm	99.7944 %	108.7284 %	93.7566 %	100.0933 %	106.3489 %	102.6126 %
Concentration RSD	0.1 %	0.3 %	1.2 %	0.2 %	0.8 %	1.2 %	0.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 2:21:01 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5011 ppm	0.4744 ppm	0.4853 ppm	0.4989 ppm	0.4996 ppm	0.5103 ppm	0.5133 ppm
Concentration per Run	0.4946 ppm	0.4698 ppm	0.4876 ppm	0.4906 ppm	0.4976 ppm	0.5079 ppm	0.5174 ppm
Concentration per Run	0.5045 ppm	0.4702 ppm	0.4864 ppm	0.4977 ppm	0.5042 ppm	0.5164 ppm	0.5139 ppm
Concentration per Run	0.5043 ppm	0.4831 ppm	0.4819 ppm	0.5085 ppm	0.4971 ppm	0.5066 ppm	0.5086 ppm
Recovery Percentage	100.229 %	94.875 %	97.063 %	99.788 %	99.929 %	102.063 %	102.656 %
Concentration RSD	1.1 %	1.6 %	0.6 %	1.8 %	0.8 %	1.0 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5008 ppm	0.5109 ppm	0.4998 ppm	0.5200 ppm	0.4980 ppm	5.2750 ppm	0.5139 ppm
Concentration per Run	0.4946 ppm	0.5085 ppm	0.4954 ppm	0.5141 ppm	0.4949 ppm	5.3024 ppm	0.5097 ppm
Concentration per Run	0.5028 ppm	0.5076 ppm	0.4998 ppm	0.5207 ppm	0.5035 ppm	5.2785 ppm	0.5202 ppm
Concentration per Run	0.5050 ppm	0.5167 ppm	0.5041 ppm	0.5253 ppm	0.4956 ppm	5.2442 ppm	0.5117 ppm
Recovery Percentage	100.156 %	102.186 %	99.952 %	104.004 %	99.596 %	105.500 %	102.778 %
Concentration RSD	1.1 %	1.0 %	0.9 %	1.1 %	1.0 %	0.6 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5082 ppm	0.5069 ppm	0.4936 ppm	10.0625 ppm	0.5169 ppm	0.5090 ppm	0.5122 ppm
Concentration per Run	0.5085 ppm	0.5060 ppm	0.4870 ppm	10.0242 ppm	0.5111 ppm	0.5095 ppm	0.5065 ppm
Concentration per Run	0.5059 ppm	0.5089 ppm	0.4946 ppm	10.1118 ppm	0.5153 ppm	0.5062 ppm	0.5144 ppm
Concentration per Run	0.5102 ppm	0.5059 ppm	0.4992 ppm	10.0515 ppm	0.5242 ppm	0.5112 ppm	0.5155 ppm
Recovery Percentage	101.639 %	101.387 %	98.719 %	100.625 %	103.371 %	101.795 %	102.432 %
Concentration RSD	0.4 %	0.3 %	1.2 %	0.4 %	1.3 %	0.5 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4993 ppm	5.4441 ppm	0.4944 ppm	0.5052 ppm	0.5007 ppm	0.5082 ppm	0.5100 ppm
Concentration per Run	0.4979 ppm	5.3731 ppm	0.4911 ppm	0.5029 ppm	0.4945 ppm	0.5099 ppm	0.5043 ppm
Concentration per Run	0.4985 ppm	5.4710 ppm	0.4955 ppm	0.5106 ppm	0.5035 ppm	0.5059 ppm	0.5107 ppm
Concentration per Run	0.5015 ppm	5.4882 ppm	0.4966 ppm	0.5022 ppm	0.5041 ppm	0.5088 ppm	0.5149 ppm
Recovery Percentage	99.857 %	103.698 %	98.880 %	101.044 %	100.142 %	101.636 %	101.994 %
Concentration RSD	0.4 %	1.1 %	0.6 %	0.9 %	1.1 %	0.4 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5066 ppm	106.6005 %	110.9937 %	107.7686 %	103.0157 %	106.0551 %	107.2043 %
Concentration per Run	0.5022 ppm	107.2533 %	110.9529 %	107.6351 %	103.3944 %	105.9030 %	107.1891 %
Concentration per Run	0.5070 ppm	106.5217 %	110.1712 %	108.3174 %	103.3994 %	104.7482 %	107.6351 %
Concentration per Run	0.5107 ppm	106.0266 %	111.8571 %	107.3534 %	102.2533 %	107.5139 %	106.7888 %
Recovery Percentage	101.322 %						
Concentration RSD	0.8 %	0.6 %	0.8 %	0.5 %	0.6 %	1.3 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 2:23:07 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	0.0018 ppm	-0.0013 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0064 ppm
Concentration per Run	0.0007 ppm	0.0125 ppm	-0.0019 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0039 ppm
Concentration per Run	0.0002 ppm	-0.0071 ppm	-0.0032 ppm	0.0021 ppm	0.0000 ppm	0.0002 ppm	0.0091 ppm
Concentration per Run	0.0008 ppm	0.0001 ppm	0.0012 ppm	0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0061 ppm
Recovery Percentage	7.972 %	1.804 %	-26.335 %	2.843 %	0.628 %	2.824 %	6.386 %
Concentration RSD	63.8 %	549.2 %	171.1 %	134.7 %	216.6 %	34.6 %	41.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0010 ppm	-0.0004 ppm	0.0003 ppm	0.0009 ppm	0.0819 ppm	-0.0027 ppm
Concentration per Run	0.0000 ppm	-0.0008 ppm	-0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0594 ppm	-0.0038 ppm
Concentration per Run	-0.0001 ppm	-0.0011 ppm	-0.0006 ppm	0.0002 ppm	0.0025 ppm	0.1182 ppm	-0.0007 ppm
Concentration per Run	0.0001 ppm	-0.0010 ppm	-0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0681 ppm	-0.0036 ppm
Recovery Percentage	0.055 %	-4.793 %	-4.272 %	2.705 %	1.772 %	3.277 %	-53.666 %
Concentration RSD	2,634.9 %	17.2 %	64.9 %	114.1 %	158.2 %	38.8 %	65.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0004 ppm	0.0002 ppm	0.0012 ppm	0.1580 ppm	0.0006 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run	0.0010 ppm	0.0004 ppm	0.0018 ppm	0.1612 ppm	0.0004 ppm	-0.0002 ppm	0.0019 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	0.0008 ppm	0.1560 ppm	0.0006 ppm	-0.0005 ppm	-0.0002 ppm
Concentration per Run	-0.0024 ppm	0.0002 ppm	0.0011 ppm	0.1567 ppm	0.0007 ppm	0.0009 ppm	-0.0006 ppm
Recovery Percentage	-0.396 %	2.111 %	2.461 %	7.899 %	2.253 %	0.814 %	0.733 %
Concentration RSD	439.3 %	96.2 %	43.4 %	1.8 %	21.3 %	845.8 %	366.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0028 ppm	0.0080 ppm	0.0003 ppm	-0.0001 ppm	0.0010 ppm	-0.0004 ppm	-0.0003 ppm
Concentration per Run	-0.0028 ppm	0.0075 ppm	0.0006 ppm	0.0000 ppm	0.0014 ppm	-0.0019 ppm	-0.0002 ppm
Concentration per Run	-0.0027 ppm	0.0033 ppm	0.0023 ppm	-0.0002 ppm	0.0014 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run	-0.0028 ppm	0.0131 ppm	-0.0019 ppm	-0.0001 ppm	0.0003 ppm	0.0009 ppm	-0.0005 ppm
Recovery Percentage	-27.538 %	1.593 %	0.683 %	-1.128 %	10.468 %	-1.912 %	-2.694 %
Concentration RSD	0.8 %	61.6 %	616.0 %	109.2 %	59.9 %	369.4 %	90.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	106.3504 %	108.0428 %	107.2041 %	105.0578 %	104.7690 %	107.8040 %
Concentration per Run	0.0004 ppm	106.3527 %	108.3820 %	109.1833 %	105.5939 %	105.1625 %	109.8301 %
Concentration per Run	0.0002 ppm	105.7775 %	107.5805 %	107.0197 %	104.1300 %	104.3998 %	107.6484 %
Concentration per Run	0.0001 ppm	106.9210 %	108.1660 %	105.4092 %	105.4495 %	104.7447 %	105.9335 %
Recovery Percentage	4.994 %						
Concentration RSD	61.5 %	0.5 %	0.4 %	1.8 %	0.8 %	0.4 %	1.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2560023-01 WG2118729
 Analysis started at: 9/24/2025 4:23:01 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 24

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	13.3570 ppm	0.0022 ppm	0.0144 ppm	0.0028 ppm	0.0001 ppm	30.1892 ppm
Concentration per Run	-0.0001 ppm	13.2502 ppm	0.0053 ppm	0.0133 ppm	0.0028 ppm	0.0000 ppm	29.6849 ppm
Concentration per Run	0.0014 ppm	13.4175 ppm	0.0009 ppm	0.0172 ppm	0.0028 ppm	0.0001 ppm	30.3274 ppm
Concentration per Run	0.0017 ppm	13.4033 ppm	0.0005 ppm	0.0128 ppm	0.0027 ppm	0.0000 ppm	30.5554 ppm
Concentration RSD	95.2 %	0.7 %	120.2 %	16.8 %	1.9 %	42.9 %	1.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	0.0033 ppm	0.0006 ppm	8.9097 ppm	0.5052 ppm	3.4580 ppm	0.0083 ppm
Concentration per Run	-0.0003 ppm	0.0033 ppm	0.0007 ppm	8.9458 ppm	0.4996 ppm	3.4243 ppm	0.0101 ppm
Concentration per Run	-0.0002 ppm	0.0033 ppm	0.0004 ppm	8.8852 ppm	0.5092 ppm	3.4860 ppm	0.0062 ppm
Concentration per Run	-0.0003 ppm	0.0033 ppm	0.0007 ppm	8.8983 ppm	0.5068 ppm	3.4638 ppm	0.0086 ppm
Concentration RSD	18.8 %	0.9 %	26.1 %	0.4 %	1.0 %	0.9 %	23.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	2.5801 ppm	0.0098 ppm	0.0045 ppm	13.1305 ppm	0.0291 ppm	0.0086 ppm	0.0010 ppm
Concentration per Run	2.5901 ppm	0.0097 ppm	0.0051 ppm	13.0669 ppm	0.0289 ppm	0.0085 ppm	-0.0029 ppm
Concentration per Run	2.5672 ppm	0.0097 ppm	0.0044 ppm	13.1187 ppm	0.0285 ppm	0.0086 ppm	0.0026 ppm
Concentration per Run	2.5832 ppm	0.0099 ppm	0.0039 ppm	13.2059 ppm	0.0301 ppm	0.0088 ppm	0.0033 ppm
Concentration RSD	0.5 %	1.3 %	13.1 %	0.5 %	2.7 %	1.5 %	341.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0006 ppm	11.0417 [SIC 100]	0.0219 ppm	0.0601 ppm	0.0020 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run	-0.0005 ppm	11.0713 ppm	0.0213 ppm	0.0594 ppm	0.0023 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run	-0.0017 ppm	10.9852 ppm	0.0230 ppm	0.0603 ppm	0.0018 ppm	0.0005 ppm	0.0003 ppm
Concentration per Run	0.0005 ppm	11.0686 ppm	0.0215 ppm	0.0606 ppm	0.0019 ppm	-0.0001 ppm	0.0002 ppm
Concentration RSD	197.7 %	0.4 %	4.2 %	1.0 %	13.8 %	125.8 %	33.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.6749 ppm	106.9084 %	109.0335 %	106.7412 %	103.6670 %	105.5553 %	107.2219 %
Concentration per Run	1.6828 ppm	106.1860 %	110.1610 %	106.6448 %	102.6490 %	106.9232 %	106.9901 %
Concentration per Run	1.6654 ppm	107.4966 %	108.3386 %	107.2049 %	104.0301 %	104.8159 %	107.7615 %
Concentration per Run	1.6765 ppm	107.0428 %	108.6010 %	106.3740 %	104.3218 %	104.9269 %	106.9142 %
Concentration RSD	0.5 %	0.6 %	0.9 %	0.4 %	0.9 %	1.1 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2560023-02 WG2118729
 Analysis started at: 9/24/2025 4:25:22 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 25

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0018 ppm	76.6610 ppm	0.0138 ppm	0.0625 ppm	0.0056 ppm	0.0001 ppm	21.7847 ppm
Concentration per Run	0.0015 ppm	76.0367 ppm	0.0148 ppm	0.0619 ppm	0.0056 ppm	0.0001 ppm	21.5282 ppm
Concentration per Run	0.0024 ppm	77.0511 ppm	0.0131 ppm	0.0630 ppm	0.0057 ppm	0.0001 ppm	21.9884 ppm
Concentration per Run	0.0015 ppm	76.8952 ppm	0.0135 ppm	0.0625 ppm	0.0056 ppm	0.0001 ppm	21.8375 ppm
Concentration RSD	30.4 %	0.7 %	6.6 %	1.0 %	0.9 %	8.0 %	1.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0114 ppm	0.0038 ppm	52.8795 [SIC 100]	4.3120 ppm	4.3228 ppm	0.0209 ppm
Concentration per Run	0.0000 ppm	0.0116 ppm	0.0034 ppm	52.7442 ppm	4.3225 ppm	4.3204 ppm	0.0225 ppm
Concentration per Run	-0.0003 ppm	0.0114 ppm	0.0039 ppm	53.1477 ppm	4.2940 ppm	4.3602 ppm	0.0202 ppm
Concentration per Run	0.0001 ppm	0.0113 ppm	0.0040 ppm	52.7467 ppm	4.3196 ppm	4.2877 ppm	0.0200 ppm
Concentration RSD	351.1 %	1.1 %	8.2 %	0.4 %	0.4 %	0.8 %	6.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	2.6323 ppm	0.0534 ppm	0.0045 ppm	15.9896 ppm	0.1476 ppm	0.1350 ppm	-0.0016 ppm
Concentration per Run	2.6316 ppm	0.0530 ppm	0.0047 ppm	15.7590 ppm	0.1481 ppm	0.1340 ppm	-0.0042 ppm
Concentration per Run	2.6393 ppm	0.0535 ppm	0.0048 ppm	16.0364 ppm	0.1472 ppm	0.1341 ppm	0.0016 ppm
Concentration per Run	2.6259 ppm	0.0537 ppm	0.0040 ppm	16.1734 ppm	0.1474 ppm	0.1368 ppm	-0.0022 ppm
Concentration RSD	0.3 %	0.6 %	9.9 %	1.3 %	0.3 %	1.2 %	179.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0002 ppm	26.6385 [SIC 100]	0.1252 ppm	0.0494 ppm	0.0147 ppm	0.0001 ppm	0.0059 ppm
Concentration per Run	0.0007 ppm	26.6588 ppm	0.1262 ppm	0.0494 ppm	0.0160 ppm	-0.0007 ppm	0.0058 ppm
Concentration per Run	0.0030 ppm	26.8352 ppm	0.1262 ppm	0.0499 ppm	0.0148 ppm	-0.0001 ppm	0.0057 ppm
Concentration per Run	-0.0030 ppm	26.4215 ppm	0.1231 ppm	0.0489 ppm	0.0134 ppm	0.0011 ppm	0.0060 ppm
Concentration RSD	1,492.0 %	0.8 %	1.4 %	1.0 %	8.7 %	868.6 %	2.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	7.0862 ppm	105.7160 %	107.2465 %	104.9230 %	102.4774 %	108.8489 %	105.5107 %
Concentration per Run	7.0864 ppm	105.3974 %	108.6287 %	105.4858 %	102.2151 %	109.5529 %	106.1114 %
Concentration per Run	7.1104 ppm	105.9804 %	106.8512 %	104.9885 %	102.6961 %	108.8883 %	105.3788 %
Concentration per Run	7.0616 ppm	105.7702 %	106.2594 %	104.2946 %	102.5209 %	108.1056 %	105.0417 %
Concentration RSD	0.3 %	0.3 %	1.1 %	0.6 %	0.2 %	0.7 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 4:28:59 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4991 ppm	0.4802 ppm	0.4865 ppm	0.4852 ppm	0.4953 ppm	0.5065 ppm	0.5023 ppm
Concentration per Run	0.4941 ppm	0.4796 ppm	0.4825 ppm	0.4822 ppm	0.4915 ppm	0.5035 ppm	0.5060 ppm
Concentration per Run	0.5009 ppm	0.4723 ppm	0.4844 ppm	0.4869 ppm	0.4929 ppm	0.5060 ppm	0.4990 ppm
Concentration per Run	0.5023 ppm	0.4886 ppm	0.4927 ppm	0.4865 ppm	0.5013 ppm	0.5099 ppm	0.5020 ppm
Recovery Percentage	99.823 %	96.034 %	97.306 %	97.035 %	99.052 %	101.293 %	100.463 %
Concentration RSD	0.9 %	1.7 %	1.1 %	0.5 %	1.1 %	0.6 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4936 ppm	0.5040 ppm	0.4945 ppm	0.5163 ppm	0.4909 ppm	5.1173 ppm	0.5180 ppm
Concentration per Run	0.4887 ppm	0.5047 ppm	0.4916 ppm	0.5138 ppm	0.4887 ppm	5.1084 ppm	0.5140 ppm
Concentration per Run	0.4953 ppm	0.5050 ppm	0.4968 ppm	0.5179 ppm	0.4900 ppm	5.1117 ppm	0.5173 ppm
Concentration per Run	0.4968 ppm	0.5025 ppm	0.4951 ppm	0.5173 ppm	0.4939 ppm	5.1319 ppm	0.5228 ppm
Recovery Percentage	98.720 %	100.807 %	98.899 %	103.267 %	98.173 %	102.346 %	103.608 %
Concentration RSD	0.9 %	0.3 %	0.5 %	0.4 %	0.6 %	0.2 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4918 ppm	0.5037 ppm	0.4872 ppm	10.1191 ppm	0.5090 ppm	0.5064 ppm	0.5040 ppm
Concentration per Run	0.4872 ppm	0.5007 ppm	0.4835 ppm	10.0233 ppm	0.5071 ppm	0.5011 ppm	0.5013 ppm
Concentration per Run	0.4933 ppm	0.5026 ppm	0.4874 ppm	10.0433 ppm	0.5106 ppm	0.5050 ppm	0.4979 ppm
Concentration per Run	0.4950 ppm	0.5078 ppm	0.4908 ppm	10.2908 ppm	0.5092 ppm	0.5131 ppm	0.5129 ppm
Recovery Percentage	98.363 %	100.744 %	97.449 %	101.191 %	101.791 %	101.279 %	100.806 %
Concentration RSD	0.8 %	0.7 %	0.8 %	1.5 %	0.3 %	1.2 %	1.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4956 ppm	5.3651 ppm	0.4902 ppm	0.4999 ppm	0.4981 ppm	0.5088 ppm	0.5033 ppm
Concentration per Run	0.4924 ppm	5.3112 ppm	0.4820 ppm	0.4956 ppm	0.4940 ppm	0.5052 ppm	0.4998 ppm
Concentration per Run	0.4965 ppm	5.3772 ppm	0.4949 ppm	0.4984 ppm	0.4989 ppm	0.5081 ppm	0.5055 ppm
Concentration per Run	0.4979 ppm	5.4069 ppm	0.4938 ppm	0.5056 ppm	0.5014 ppm	0.5132 ppm	0.5046 ppm
Recovery Percentage	99.122 %	102.192 %	98.046 %	99.977 %	99.618 %	101.767 %	100.662 %
Concentration RSD	0.6 %	0.9 %	1.5 %	1.0 %	0.8 %	0.8 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4958 ppm	107.0621 %	109.1190 %	107.6323 %	104.1867 %	105.7939 %	107.2552 %
Concentration per Run	0.4927 ppm	108.7543 %	109.8124 %	107.9667 %	106.0987 %	106.1476 %	107.3981 %
Concentration per Run	0.4969 ppm	106.3849 %	110.2256 %	108.8481 %	103.8314 %	106.2393 %	108.4992 %
Concentration per Run	0.4978 ppm	106.0472 %	107.3192 %	106.0822 %	102.6300 %	104.9949 %	105.8683 %
Recovery Percentage	99.156 %						
Concentration RSD	0.5 %	1.4 %	1.4 %	1.3 %	1.7 %	0.7 %	1.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 4:31:05 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	-0.0091 ppm	0.0011 ppm	-0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0106 ppm
Concentration per Run	0.0008 ppm	-0.0197 ppm	0.0018 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0100 ppm
Concentration per Run	0.0013 ppm	-0.0068 ppm	0.0005 ppm	-0.0005 ppm	-0.0001 ppm	0.0001 ppm	0.0121 ppm
Concentration per Run	0.0008 ppm	-0.0008 ppm	0.0010 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0096 ppm
Recovery Percentage	13.709 %	-9.076 %	21.696 %	-1.041 %	0.047 %	2.391 %	10.583 %
Concentration RSD	26.6 %	106.1 %	62.2 %	67.6 %	1,984.4 %	18.5 %	13.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0007 ppm	-0.0003 ppm	0.0001 ppm	-0.0006 ppm	0.0115 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0001 ppm	-0.0006 ppm	0.0003 ppm	0.0127 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	-0.0008 ppm	-0.0005 ppm	0.0004 ppm	-0.0020 ppm	0.0037 ppm	0.0001 ppm
Concentration per Run	0.0000 ppm	-0.0012 ppm	-0.0007 ppm	0.0006 ppm	0.0000 ppm	0.0180 ppm	-0.0002 ppm
Recovery Percentage	-0.297 %	-3.444 %	-3.455 %	1.319 %	-1.146 %	0.459 %	-3.471 %
Concentration RSD	121.5 %	81.4 %	115.7 %	489.5 %	213.4 %	62.8 %	150.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0021 ppm	0.0001 ppm	0.0008 ppm	0.0455 ppm	-0.0003 ppm	0.0004 ppm	-0.0034 ppm
Concentration per Run	-0.0008 ppm	0.0004 ppm	0.0014 ppm	0.0473 ppm	0.0005 ppm	0.0016 ppm	-0.0094 ppm
Concentration per Run	-0.0016 ppm	-0.0003 ppm	0.0003 ppm	0.0385 ppm	-0.0010 ppm	0.0004 ppm	0.0008 ppm
Concentration per Run	-0.0039 ppm	0.0003 ppm	0.0006 ppm	0.0506 ppm	-0.0004 ppm	-0.0007 ppm	-0.0016 ppm
Recovery Percentage	-2.089 %	1.358 %	1.515 %	2.275 %	-1.278 %	4.266 %	-6.744 %
Concentration RSD	78.0 %	272.6 %	81.5 %	13.8 %	231.7 %	262.7 %	158.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0027 ppm	0.0008 ppm	0.0000 ppm	-0.0002 ppm	0.0009 ppm	-0.0014 ppm	-0.0004 ppm
Concentration per Run	0.0038 ppm	0.0023 ppm	-0.0008 ppm	-0.0003 ppm	0.0013 ppm	-0.0026 ppm	0.0000 ppm
Concentration per Run	0.0065 ppm	-0.0007 ppm	0.0016 ppm	-0.0002 ppm	0.0007 ppm	-0.0001 ppm	-0.0005 ppm
Concentration per Run	-0.0021 ppm	0.0008 ppm	-0.0006 ppm	0.0000 ppm	0.0009 ppm	-0.0015 ppm	-0.0007 ppm
Recovery Percentage	27.426 %	0.158 %	0.096 %	-1.648 %	9.414 %	-6.941 %	-3.810 %
Concentration RSD	159.4 %	192.5 %	2,807.0 %	104.9 %	32.2 %	88.2 %	92.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	104.5831 %	106.4616 %	105.4699 %	103.6563 %	104.3586 %	106.1480 %
Concentration per Run	0.0007 ppm	104.2890 %	105.4170 %	106.0102 %	103.2361 %	103.6380 %	106.6092 %
Concentration per Run	0.0004 ppm	105.5100 %	105.7688 %	105.7262 %	105.0268 %	103.3188 %	106.3761 %
Concentration per Run	0.0000 ppm	103.9504 %	108.1991 %	104.6733 %	102.7060 %	106.1191 %	105.4588 %
Recovery Percentage	6.833 %						
Concentration RSD	102.0 %	0.8 %	1.4 %	0.7 %	1.2 %	1.5 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557691-27 WG2114950
 Analysis started at: 9/24/2025 4:35:45 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 26

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	-0.0024 ppm	-0.0007 ppm	0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0080 ppm
Concentration per Run	0.0013 ppm	-0.0020 ppm	-0.0010 ppm	0.0014 ppm	0.0002 ppm	0.0001 ppm	0.0090 ppm
Concentration per Run	0.0007 ppm	-0.0038 ppm	-0.0003 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0054 ppm
Concentration per Run	0.0011 ppm	-0.0013 ppm	-0.0007 ppm	-0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0097 ppm
Concentration RSD	32.6 %	53.5 %	48.7 %	137.0 %	32.7 %	85.0 %	28.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0003 ppm	0.0005 ppm	-0.0002 ppm	-0.0005 ppm	0.0003 ppm	0.0005 ppm
Concentration per Run	-0.0002 ppm	-0.0002 ppm	0.0006 ppm	-0.0001 ppm	-0.0009 ppm	0.0006 ppm	-0.0004 ppm
Concentration per Run	-0.0002 ppm	-0.0006 ppm	-0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0178 ppm	0.0006 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0012 ppm	-0.0006 ppm	-0.0007 ppm	-0.0174 ppm	0.0014 ppm
Concentration RSD	10.1 %	79.7 %	127.8 %	144.9 %	80.1 %	5,361.7 %	162.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0011 ppm	0.0001 ppm	0.0010 ppm	0.0409 ppm	-0.0015 ppm	0.0010 ppm	-0.0018 ppm
Concentration per Run	0.0017 ppm	-0.0002 ppm	0.0011 ppm	0.0443 ppm	-0.0018 ppm	0.0012 ppm	-0.0023 ppm
Concentration per Run	-0.0002 ppm	0.0003 ppm	0.0013 ppm	0.0426 ppm	-0.0012 ppm	0.0003 ppm	-0.0058 ppm
Concentration per Run	0.0018 ppm	0.0001 ppm	0.0005 ppm	0.0357 ppm	-0.0014 ppm	0.0013 ppm	0.0026 ppm
Concentration RSD	105.7 %	322.4 %	40.2 %	11.1 %	21.7 %	58.6 %	230.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0012 ppm	0.0169 ppm	0.0005 ppm	-0.0001 ppm	0.0009 ppm	-0.0003 ppm	-0.0007 ppm
Concentration per Run	-0.0008 ppm	0.0130 ppm	0.0021 ppm	-0.0002 ppm	0.0010 ppm	0.0002 ppm	-0.0005 ppm
Concentration per Run	0.0014 ppm	0.0166 ppm	0.0003 ppm	-0.0001 ppm	0.0009 ppm	-0.0009 ppm	-0.0007 ppm
Concentration per Run	0.0029 ppm	0.0212 ppm	-0.0008 ppm	0.0000 ppm	0.0008 ppm	-0.0002 ppm	-0.0008 ppm
Concentration RSD	158.5 %	24.1 %	276.4 %	77.9 %	10.4 %	185.9 %	20.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0008 ppm	104.8807 %	104.7872 %	105.1258 %	103.6840 %	102.0776 %	105.1698 %
Concentration per Run	0.0009 ppm	104.9583 %	105.5311 %	104.5365 %	103.8603 %	102.9508 %	104.5218 %
Concentration per Run	0.0004 ppm	104.8794 %	106.3118 %	105.3670 %	102.9458 %	103.9815 %	105.4667 %
Concentration per Run	0.0010 ppm	104.8044 %	102.5187 %	105.4738 %	104.2460 %	99.3003 %	105.5209 %
Concentration RSD	40.0 %	0.1 %	1.9 %	0.5 %	0.6 %	2.4 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557875-06 WG2114950
 Analysis started at: 9/24/2025 4:38:14 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 27

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	-0.0044 ppm	-0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0578 ppm
Concentration per Run	0.0006 ppm	-0.0154 ppm	0.0006 ppm	-0.0013 ppm	0.0003 ppm	0.0001 ppm	0.0544 ppm
Concentration per Run	0.0009 ppm	0.0088 ppm	-0.0011 ppm	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0576 ppm
Concentration per Run	0.0011 ppm	-0.0065 ppm	-0.0003 ppm	0.0020 ppm	0.0001 ppm	0.0001 ppm	0.0612 ppm
Concentration RSD	31.4 %	279.3 %	319.1 %	885.9 %	159.2 %	29.7 %	5.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0020 ppm	0.0179 ppm	-0.0019 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	-0.0005 ppm	-0.0008 ppm	0.0021 ppm	0.0015 ppm	-0.0028 ppm
Concentration per Run	-0.0001 ppm	-0.0008 ppm	0.0009 ppm	-0.0001 ppm	0.0007 ppm	0.0113 ppm	-0.0022 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0006 ppm	0.0002 ppm	0.0031 ppm	0.0410 ppm	-0.0007 ppm
Concentration RSD	53.3 %	622.2 %	232.8 %	231.0 %	59.9 %	114.6 %	58.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0096 ppm	0.0002 ppm	0.0011 ppm	0.4032 ppm	-0.0006 ppm	-0.0005 ppm	-0.0043 ppm
Concentration per Run	0.0072 ppm	0.0001 ppm	0.0009 ppm	0.4042 ppm	-0.0007 ppm	-0.0005 ppm	-0.0013 ppm
Concentration per Run	0.0107 ppm	0.0004 ppm	0.0013 ppm	0.4026 ppm	-0.0011 ppm	-0.0007 ppm	-0.0060 ppm
Concentration per Run	0.0109 ppm	0.0001 ppm	0.0011 ppm	0.4029 ppm	0.0000 ppm	-0.0005 ppm	-0.0057 ppm
Concentration RSD	21.7 %	73.4 %	16.5 %	0.2 %	100.9 %	17.2 %	61.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0024 ppm	0.1580 ppm	0.0132 ppm	0.0000 ppm	0.0008 ppm	-0.0010 ppm	-0.0004 ppm
Concentration per Run	-0.0025 ppm	0.1594 ppm	0.0118 ppm	-0.0001 ppm	0.0009 ppm	-0.0018 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.1575 ppm	0.0149 ppm	0.0000 ppm	0.0009 ppm	0.0002 ppm	-0.0007 ppm
Concentration per Run	-0.0049 ppm	0.1570 ppm	0.0129 ppm	0.0001 ppm	0.0007 ppm	-0.0013 ppm	-0.0006 ppm
Concentration RSD	104.4 %	0.8 %	11.9 %	2,327.9 %	12.7 %	108.1 %	114.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	103.8175 %	104.8448 %	105.3035 %	102.4550 %	103.0714 %	104.9615 %
Concentration per Run	0.0000 ppm	103.0857 %	104.4482 %	104.7772 %	101.4341 %	102.7534 %	104.7459 %
Concentration per Run	0.0003 ppm	104.2367 %	105.1961 %	105.1996 %	102.6968 %	103.8740 %	104.8144 %
Concentration per Run	0.0003 ppm	104.1301 %	104.8901 %	105.9336 %	103.2340 %	102.5870 %	105.3241 %
Concentration RSD	107.8 %	0.6 %	0.4 %	0.6 %	0.9 %	0.7 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557790-01 WG2114950
 Analysis started at: 9/24/2025 4:40:23 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 28

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.0007 ppm	-0.0006 ppm	0.0535 ppm	0.1862 ppm	0.0001 ppm	103.2928 ppm
Concentration per Run	0.0003 ppm	-0.0214 ppm	0.0011 ppm	0.0546 ppm	0.1861 ppm	0.0001 ppm	102.9588 ppm
Concentration per Run	0.0011 ppm	0.0079 ppm	-0.0019 ppm	0.0533 ppm	0.1868 ppm	0.0001 ppm	104.0344 ppm
Concentration per Run	0.0013 ppm	0.0155 ppm	-0.0009 ppm	0.0527 ppm	0.1857 ppm	0.0001 ppm	102.8853 ppm
Concentration RSD	54.6 %	2,995.8 %	272.7 %	1.8 %	0.3 %	30.6 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0012 ppm	0.0002 ppm	0.0011 ppm	0.0017 ppm	0.0707 ppm	10.0860 ppm	0.0074 ppm
Concentration per Run	-0.0013 ppm	0.0004 ppm	0.0010 ppm	0.0019 ppm	0.0702 ppm	10.0526 ppm	0.0084 ppm
Concentration per Run	-0.0012 ppm	-0.0005 ppm	0.0015 ppm	0.0018 ppm	0.0690 ppm	10.1328 ppm	0.0074 ppm
Concentration per Run	-0.0012 ppm	0.0006 ppm	0.0008 ppm	0.0012 ppm	0.0729 ppm	10.0727 ppm	0.0063 ppm
Concentration RSD	4.2 %	303.1 %	31.4 %	24.0 %	2.8 %	0.4 %	14.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	20.4157 ppm	0.0278 ppm	0.0014 ppm	256.8106 ppm	0.0007 ppm	0.0007 ppm	-0.0009 ppm
Concentration per Run	20.3263 ppm	0.0277 ppm	0.0017 ppm	257.8977 ppm	0.0009 ppm	0.0008 ppm	0.0024 ppm
Concentration per Run	20.5311 ppm	0.0279 ppm	0.0008 ppm	257.5828 ppm	0.0007 ppm	-0.0002 ppm	-0.0011 ppm
Concentration per Run	20.3897 ppm	0.0279 ppm	0.0018 ppm	254.9514 ppm	0.0005 ppm	0.0014 ppm	-0.0040 ppm
Concentration RSD	0.5 %	0.4 %	36.8 %	0.6 %	23.0 %	126.1 %	368.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0010 ppm	5.2285 ppm	-0.0004 ppm	0.4388 ppm	0.0016 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run	-0.0001 ppm	5.2067 ppm	-0.0004 ppm	0.4384 ppm	0.0018 ppm	-0.0022 ppm	0.0000 ppm
Concentration per Run	-0.0023 ppm	5.2440 ppm	0.0000 ppm	0.4393 ppm	0.0015 ppm	0.0016 ppm	0.0005 ppm
Concentration per Run	-0.0007 ppm	5.2347 ppm	-0.0006 ppm	0.4385 ppm	0.0014 ppm	-0.0002 ppm	0.0001 ppm
Concentration RSD	108.0 %	0.4 %	86.7 %	0.1 %	13.1 %	693.4 %	124.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0014 ppm	100.7463 %	109.2940 %	99.0903 %	97.2406 %	105.0851 %	102.3057 %
Concentration per Run	0.0011 ppm	100.6298 %	108.8748 %	99.6776 %	97.1652 %	105.9146 %	102.9608 %
Concentration per Run	0.0018 ppm	100.0867 %	108.6745 %	98.7171 %	96.7182 %	104.0173 %	101.7374 %
Concentration per Run	0.0014 ppm	101.5224 %	110.3328 %	98.8762 %	97.8384 %	105.3235 %	102.2190 %
Concentration RSD	24.5 %	0.7 %	0.8 %	0.5 %	0.6 %	0.9 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 4:43:39 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4986 ppm	0.4732 ppm	0.4824 ppm	0.4866 ppm	0.4951 ppm	0.5086 ppm	0.5002 ppm
Concentration per Run	0.5001 ppm	0.4888 ppm	0.4855 ppm	0.4844 ppm	0.4942 ppm	0.5107 ppm	0.5009 ppm
Concentration per Run	0.5003 ppm	0.4709 ppm	0.4799 ppm	0.4883 ppm	0.4956 ppm	0.5074 ppm	0.5041 ppm
Concentration per Run	0.4953 ppm	0.4600 ppm	0.4818 ppm	0.4872 ppm	0.4955 ppm	0.5075 ppm	0.4957 ppm
Recovery Percentage	99.714 %	94.643 %	96.485 %	97.321 %	99.021 %	101.711 %	100.050 %
Concentration RSD	0.6 %	3.1 %	0.6 %	0.4 %	0.2 %	0.4 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4953 ppm	0.5069 ppm	0.4956 ppm	0.5127 ppm	0.4915 ppm	5.1694 ppm	0.5198 ppm
Concentration per Run	0.4943 ppm	0.5039 ppm	0.4920 ppm	0.5105 ppm	0.4924 ppm	5.2271 ppm	0.5225 ppm
Concentration per Run	0.4971 ppm	0.5091 ppm	0.4983 ppm	0.5159 ppm	0.4907 ppm	5.1197 ppm	0.5178 ppm
Concentration per Run	0.4946 ppm	0.5079 ppm	0.4965 ppm	0.5117 ppm	0.4913 ppm	5.1614 ppm	0.5191 ppm
Recovery Percentage	99.067 %	101.388 %	99.119 %	102.548 %	98.296 %	103.387 %	103.956 %
Concentration RSD	0.3 %	0.5 %	0.6 %	0.6 %	0.2 %	1.0 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4961 ppm	0.5018 ppm	0.4880 ppm	10.0472 ppm	0.5095 ppm	0.5039 ppm	0.5053 ppm
Concentration per Run	0.4983 ppm	0.5051 ppm	0.4886 ppm	10.1333 ppm	0.5087 ppm	0.5030 ppm	0.5028 ppm
Concentration per Run	0.4976 ppm	0.5004 ppm	0.4891 ppm	10.0368 ppm	0.5102 ppm	0.5026 ppm	0.5097 ppm
Concentration per Run	0.4924 ppm	0.5000 ppm	0.4862 ppm	9.9714 ppm	0.5095 ppm	0.5061 ppm	0.5034 ppm
Recovery Percentage	99.219 %	100.367 %	97.594 %	100.472 %	101.894 %	100.779 %	101.054 %
Concentration RSD	0.7 %	0.6 %	0.3 %	0.8 %	0.1 %	0.4 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4936 ppm	5.3468 ppm	0.4886 ppm	0.4997 ppm	0.4994 ppm	0.5072 ppm	0.5044 ppm
Concentration per Run	0.4895 ppm	5.3383 ppm	0.4855 ppm	0.4996 ppm	0.5010 ppm	0.5082 ppm	0.5046 ppm
Concentration per Run	0.4935 ppm	5.3645 ppm	0.4873 ppm	0.5000 ppm	0.5002 ppm	0.5053 ppm	0.5054 ppm
Concentration per Run	0.4977 ppm	5.3374 ppm	0.4930 ppm	0.4995 ppm	0.4971 ppm	0.5080 ppm	0.5031 ppm
Recovery Percentage	98.711 %	101.843 %	97.717 %	99.942 %	99.884 %	101.439 %	100.871 %
Concentration RSD	0.8 %	0.3 %	0.8 %	0.1 %	0.4 %	0.3 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5005 ppm	105.4760 %	109.3332 %	106.4106 %	102.2978 %	105.0031 %	105.6713 %
Concentration per Run	0.4998 ppm	105.6396 %	107.0036 %	106.5696 %	101.9016 %	103.6202 %	105.7173 %
Concentration per Run	0.5033 ppm	105.2444 %	110.7547 %	106.9993 %	102.7886 %	106.2426 %	106.3769 %
Concentration per Run	0.4986 ppm	105.5441 %	110.2415 %	105.6628 %	102.2031 %	105.1466 %	104.9198 %
Recovery Percentage	100.110 %						
Concentration RSD	0.5 %	0.2 %	1.9 %	0.6 %	0.4 %	1.3 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 4:45:46 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	-0.0064 ppm	-0.0007 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0080 ppm
Concentration per Run	0.0009 ppm	-0.0091 ppm	0.0000 ppm	-0.0007 ppm	0.0000 ppm	0.0001 ppm	0.0105 ppm
Concentration per Run	0.0008 ppm	-0.0086 ppm	-0.0042 ppm	0.0007 ppm	-0.0001 ppm	0.0002 ppm	0.0047 ppm
Concentration per Run	0.0011 ppm	-0.0016 ppm	0.0020 ppm	0.0020 ppm	0.0004 ppm	0.0001 ppm	0.0087 ppm
Recovery Percentage	13.124 %	-6.430 %	-14.922 %	2.296 %	1.199 %	2.321 %	7.970 %
Concentration RSD	15.3 %	65.8 %	419.9 %	198.2 %	199.5 %	59.2 %	37.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0003 ppm	-0.0004 ppm	0.0000 ppm	0.0005 ppm	0.0079 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0001 ppm	0.0008 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run	-0.0001 ppm	-0.0003 ppm	-0.0007 ppm	-0.0005 ppm	-0.0007 ppm	0.0067 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	-0.0007 ppm	-0.0002 ppm	0.0004 ppm	0.0012 ppm	0.0170 ppm	-0.0005 ppm
Recovery Percentage	0.502 %	-1.465 %	-3.969 %	0.143 %	0.945 %	0.316 %	2.970 %
Concentration RSD	328.1 %	155.2 %	63.4 %	3,277.5 %	212.6 %	107.9 %	423.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0018 ppm	0.0000 ppm	0.0006 ppm	0.0480 ppm	-0.0010 ppm	0.0009 ppm	-0.0012 ppm
Concentration per Run	-0.0016 ppm	0.0001 ppm	0.0006 ppm	0.0462 ppm	-0.0018 ppm	0.0013 ppm	-0.0058 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0477 ppm	-0.0004 ppm	0.0006 ppm	-0.0024 ppm
Concentration per Run	-0.0037 ppm	0.0000 ppm	0.0008 ppm	0.0501 ppm	-0.0007 ppm	0.0008 ppm	0.0046 ppm
Recovery Percentage	-1.761 %	0.176 %	1.267 %	2.399 %	-3.916 %	9.288 %	-2.384 %
Concentration RSD	102.8 %	421.2 %	27.8 %	4.1 %	77.4 %	39.3 %	444.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0023 ppm	-0.0010 ppm	0.0001 ppm	-0.0002 ppm	0.0006 ppm	-0.0009 ppm	-0.0004 ppm
Concentration per Run	0.0006 ppm	-0.0018 ppm	-0.0015 ppm	0.0000 ppm	0.0009 ppm	0.0005 ppm	-0.0003 ppm
Concentration per Run	0.0076 ppm	-0.0005 ppm	0.0012 ppm	-0.0002 ppm	0.0004 ppm	-0.0031 ppm	-0.0003 ppm
Concentration per Run	-0.0012 ppm	-0.0006 ppm	0.0007 ppm	-0.0002 ppm	0.0004 ppm	-0.0001 ppm	-0.0005 ppm
Recovery Percentage	23.239 %	-0.190 %	0.280 %	-1.649 %	5.525 %	-4.549 %	-3.800 %
Concentration RSD	199.8 %	78.4 %	1,010.2 %	61.1 %	49.7 %	213.5 %	25.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	104.3643 %	107.8558 %	106.7279 %	103.5295 %	105.9761 %	107.3830 %
Concentration per Run	0.0007 ppm	103.4256 %	108.1683 %	107.4088 %	103.1178 %	105.9726 %	108.0752 %
Concentration per Run	0.0006 ppm	104.6051 %	106.5892 %	106.3904 %	103.7574 %	105.3528 %	107.2024 %
Concentration per Run	0.0001 ppm	105.0623 %	108.8098 %	106.3846 %	103.7132 %	106.6029 %	106.8715 %
Recovery Percentage	9.326 %						
Concentration RSD	62.4 %	0.8 %	1.1 %	0.6 %	0.3 %	0.6 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2115410-1 WG2115410
 Analysis started at: 9/24/2025 5:24:26 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 29

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	0.0077 ppm	-0.0029 ppm	-0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0110 ppm
Concentration per Run	0.0002 ppm	0.0053 ppm	-0.0017 ppm	0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0059 ppm
Concentration per Run	0.0006 ppm	0.0090 ppm	-0.0031 ppm	-0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0126 ppm
Concentration per Run	-0.0001 ppm	0.0089 ppm	-0.0038 ppm	-0.0022 ppm	0.0003 ppm	0.0000 ppm	0.0143 ppm
Concentration RSD	152.4 %	27.4 %	38.1 %	172.9 %	52.2 %	63.9 %	40.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0006 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0466 ppm	-0.0025 ppm
Concentration per Run	-0.0002 ppm	-0.0009 ppm	-0.0004 ppm	0.0001 ppm	-0.0001 ppm	0.0167 ppm	-0.0021 ppm
Concentration per Run	0.0000 ppm	-0.0009 ppm	-0.0010 ppm	0.0004 ppm	0.0000 ppm	0.0664 ppm	-0.0049 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.0002 ppm	0.0567 ppm	-0.0006 ppm
Concentration RSD	528.7 %	63.1 %	217.5 %	231.9 %	1,137.0 %	56.6 %	86.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0003 ppm	0.0008 ppm	0.0009 ppm	0.0352 ppm	-0.0003 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run	-0.0017 ppm	0.0008 ppm	0.0009 ppm	0.0399 ppm	0.0000 ppm	0.0001 ppm	-0.0022 ppm
Concentration per Run	0.0013 ppm	0.0007 ppm	0.0001 ppm	0.0306 ppm	-0.0009 ppm	-0.0007 ppm	0.0021 ppm
Concentration per Run	-0.0004 ppm	0.0008 ppm	0.0016 ppm	0.0352 ppm	-0.0002 ppm	0.0018 ppm	0.0005 ppm
Concentration RSD	586.1 %	9.4 %	83.8 %	13.1 %	137.3 %	334.2 %	1,494.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0003 ppm	0.0083 ppm	-0.0013 ppm	-0.0002 ppm	0.0007 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run	-0.0009 ppm	0.0068 ppm	-0.0022 ppm	-0.0002 ppm	0.0007 ppm	0.0012 ppm	-0.0003 ppm
Concentration per Run	0.0037 ppm	0.0089 ppm	-0.0015 ppm	-0.0003 ppm	0.0005 ppm	-0.0015 ppm	-0.0001 ppm
Concentration per Run	-0.0020 ppm	0.0093 ppm	-0.0002 ppm	0.0000 ppm	0.0010 ppm	-0.0015 ppm	-0.0001 ppm
Concentration RSD	1,058.2 %	16.3 %	77.2 %	85.0 %	36.2 %	253.8 %	71.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0010 ppm	105.8683 %	108.9803 %	108.1065 %	104.8392 %	106.1428 %	108.7305 %
Concentration per Run	0.0010 ppm	106.3858 %	108.4259 %	108.5631 %	105.5514 %	106.3487 %	109.3265 %
Concentration per Run	0.0011 ppm	106.1658 %	109.4261 %	108.4543 %	104.9686 %	106.0683 %	109.1506 %
Concentration per Run	0.0010 ppm	105.0534 %	109.0888 %	107.3022 %	103.9977 %	106.0116 %	107.7143 %
Concentration RSD	3.7 %	0.7 %	0.5 %	0.6 %	0.7 %	0.2 %	0.8 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: WG2115410-2 WG2115410
 Analysis started at: 9/24/2025 5:26:45 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 30

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0533 ppm	2.0520 ppm	0.1193 ppm	1.0112 ppm	2.0202 ppm	0.0513 ppm	10.3972 ppm
Concentration per Run	0.0528 ppm	2.0444 ppm	0.1182 ppm	0.9980 ppm	2.0226 ppm	0.0513 ppm	10.3688 ppm
Concentration per Run	0.0527 ppm	2.0722 ppm	0.1197 ppm	1.0134 ppm	2.0246 ppm	0.0514 ppm	10.4720 ppm
Concentration per Run	0.0542 ppm	2.0395 ppm	0.1199 ppm	1.0224 ppm	2.0135 ppm	0.0512 ppm	10.3509 ppm
Concentration RSD	1.6 %	0.9 %	0.8 %	1.2 %	0.3 %	0.2 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0530 ppm	0.4991 ppm	0.1985 ppm	0.2532 ppm	1.0070 ppm	10.6229 ppm	0.0001 ppm
Concentration per Run	0.0524 ppm	0.4929 ppm	0.1960 ppm	0.2505 ppm	1.0066 ppm	10.6247 ppm	-0.0017 ppm
Concentration per Run	0.0529 ppm	0.5021 ppm	0.1995 ppm	0.2535 ppm	1.0101 ppm	10.6777 ppm	-0.0013 ppm
Concentration per Run	0.0535 ppm	0.5024 ppm	0.2001 ppm	0.2556 ppm	1.0043 ppm	10.5664 ppm	0.0032 ppm
Concentration RSD	1.0 %	1.1 %	1.1 %	1.0 %	0.3 %	0.5 %	4,007.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.1339 ppm	0.5039 ppm	0.9945 ppm	10.2613 ppm	0.5141 ppm	0.5341 ppm	0.4916 ppm
Concentration per Run	10.0730 ppm	0.5037 ppm	0.9881 ppm	10.2549 ppm	0.5094 ppm	0.5318 ppm	0.4771 ppm
Concentration per Run	10.1114 ppm	0.5059 ppm	0.9903 ppm	10.2470 ppm	0.5127 ppm	0.5360 ppm	0.4904 ppm
Concentration per Run	10.2174 ppm	0.5022 ppm	1.0051 ppm	10.2820 ppm	0.5202 ppm	0.5344 ppm	0.5073 ppm
Concentration RSD	0.7 %	0.4 %	0.9 %	0.2 %	1.1 %	0.4 %	3.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1198 ppm	1.0142 ppm	0.9738 ppm	1.0049 ppm	0.9984 ppm	0.1216 ppm	0.5166 ppm
Concentration per Run	0.1179 ppm	1.0064 ppm	0.9656 ppm	1.0037 ppm	0.9946 ppm	0.1199 ppm	0.5123 ppm
Concentration per Run	0.1230 ppm	1.0125 ppm	0.9725 ppm	1.0076 ppm	0.9925 ppm	0.1227 ppm	0.5170 ppm
Concentration per Run	0.1186 ppm	1.0236 ppm	0.9832 ppm	1.0035 ppm	1.0080 ppm	0.1221 ppm	0.5206 ppm
Concentration RSD	2.3 %	0.9 %	0.9 %	0.2 %	0.8 %	1.2 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5162 ppm	103.5709 %	106.2603 %	105.7616 %	100.5431 %	101.4477 %	105.4802 %
Concentration per Run	0.5112 ppm	104.7500 %	106.0688 %	106.2267 %	101.0315 %	101.9885 %	105.8985 %
Concentration per Run	0.5155 ppm	102.5947 %	105.6125 %	105.0136 %	100.0276 %	99.9281 %	104.7300 %
Concentration per Run	0.5219 ppm	103.3680 %	107.0997 %	106.0445 %	100.5700 %	102.4264 %	105.8121 %
Concentration RSD	1.0 %	1.1 %	0.7 %	0.6 %	0.5 %	1.3 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2556676-09 WG2115410
 Analysis started at: 9/24/2025 5:28:55 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 31

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	0.0067 ppm	0.0016 ppm	0.0187 ppm	0.0470 ppm	0.0001 ppm	18.9140 ppm
Concentration per Run	0.0000 ppm	-0.0047 ppm	0.0018 ppm	0.0202 ppm	0.0469 ppm	0.0001 ppm	18.8477 ppm
Concentration per Run	0.0010 ppm	0.0185 ppm	0.0037 ppm	0.0184 ppm	0.0471 ppm	0.0000 ppm	18.9100 ppm
Concentration per Run	0.0003 ppm	0.0063 ppm	-0.0009 ppm	0.0175 ppm	0.0469 ppm	0.0001 ppm	18.9842 ppm
Concentration RSD	116.9 %	173.2 %	148.7 %	7.4 %	0.2 %	93.1 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	-0.0003 ppm	0.0008 ppm	0.0000 ppm	0.0113 ppm	2.8286 ppm	0.0001 ppm
Concentration per Run	-0.0005 ppm	-0.0004 ppm	0.0009 ppm	0.0003 ppm	0.0123 ppm	2.8312 ppm	-0.0001 ppm
Concentration per Run	-0.0003 ppm	-0.0002 ppm	0.0009 ppm	0.0001 ppm	0.0111 ppm	2.8455 ppm	0.0010 ppm
Concentration per Run	-0.0002 ppm	-0.0002 ppm	0.0007 ppm	-0.0003 ppm	0.0105 ppm	2.8090 ppm	-0.0006 ppm
Concentration RSD	36.5 %	44.2 %	8.8 %	790.0 %	8.4 %	0.6 %	688.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.4445 ppm	0.0031 ppm	0.0016 ppm	15.5268 ppm	-0.0003 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run	3.4422 ppm	0.0034 ppm	0.0015 ppm	15.4720 ppm	0.0004 ppm	-0.0001 ppm	0.0020 ppm
Concentration per Run	3.4411 ppm	0.0031 ppm	0.0016 ppm	15.7078 ppm	-0.0005 ppm	0.0003 ppm	0.0019 ppm
Concentration per Run	3.4501 ppm	0.0028 ppm	0.0016 ppm	15.4006 ppm	-0.0008 ppm	-0.0002 ppm	0.0009 ppm
Concentration RSD	0.1 %	8.4 %	4.6 %	1.0 %	225.2 %	8,811.3 %	39.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0020 ppm	4.6425 ppm	0.0007 ppm	0.0847 ppm	0.0008 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run	0.0041 ppm	4.6232 ppm	0.0009 ppm	0.0844 ppm	0.0006 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run	0.0008 ppm	4.6456 ppm	0.0015 ppm	0.0852 ppm	0.0011 ppm	0.0011 ppm	-0.0003 ppm
Concentration per Run	0.0012 ppm	4.6586 ppm	-0.0003 ppm	0.0847 ppm	0.0007 ppm	-0.0014 ppm	0.0003 ppm
Concentration RSD	89.7 %	0.4 %	138.1 %	0.5 %	34.1 %	4,052.3 %	597.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	104.0740 %	112.8757 %	107.2018 %	100.4613 %	109.6687 %	106.4250 %
Concentration per Run	0.0010 ppm	103.7178 %	113.5842 %	106.1337 %	100.1221 %	110.6729 %	105.4459 %
Concentration per Run	0.0008 ppm	104.8321 %	112.5766 %	107.0483 %	100.8867 %	110.4910 %	106.2387 %
Concentration per Run	0.0004 ppm	103.6721 %	112.4663 %	108.4235 %	100.3751 %	107.8420 %	107.5904 %
Concentration RSD	44.2 %	0.6 %	0.5 %	1.1 %	0.4 %	1.4 %	1.0 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2115410-3 WG2115410
 Analysis started at: 9/24/2025 5:31:14 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 32

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0529 ppm	2.0313 ppm	0.1222 ppm	1.0384 ppm	2.0408 ppm	0.0517 ppm	28.5697 ppm
Concentration per Run	0.0523 ppm	2.0416 ppm	0.1230 ppm	1.0394 ppm	2.0544 ppm	0.0519 ppm	28.5139 ppm
Concentration per Run	0.0531 ppm	2.0251 ppm	0.1219 ppm	1.0371 ppm	2.0532 ppm	0.0518 ppm	28.6207 ppm
Concentration per Run	0.0533 ppm	2.0272 ppm	0.1218 ppm	1.0388 ppm	2.0148 ppm	0.0513 ppm	28.5743 ppm
Concentration RSD	1.0 %	0.4 %	0.5 %	0.1 %	1.1 %	0.7 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0520 ppm	0.4911 ppm	0.1979 ppm	0.2522 ppm	1.0081 ppm	13.1727 ppm	-0.0001 ppm
Concentration per Run	0.0520 ppm	0.4933 ppm	0.1982 ppm	0.2518 ppm	1.0082 ppm	13.2482 ppm	0.0010 ppm
Concentration per Run	0.0518 ppm	0.4902 ppm	0.1977 ppm	0.2528 ppm	1.0160 ppm	13.2490 ppm	-0.0010 ppm
Concentration per Run	0.0521 ppm	0.4899 ppm	0.1978 ppm	0.2520 ppm	1.0002 ppm	13.0208 ppm	-0.0003 ppm
Concentration RSD	0.3 %	0.4 %	0.1 %	0.2 %	0.8 %	1.0 %	806.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	13.2387 ppm	0.5021 ppm	0.9903 ppm	25.3160 ppm	0.5024 ppm	0.5281 ppm	0.5067 ppm
Concentration per Run	13.2404 ppm	0.5045 ppm	0.9861 ppm	25.4475 ppm	0.5038 ppm	0.5313 ppm	0.4980 ppm
Concentration per Run	13.2765 ppm	0.5017 ppm	0.9930 ppm	25.2587 ppm	0.5006 ppm	0.5268 ppm	0.5121 ppm
Concentration per Run	13.1991 ppm	0.5000 ppm	0.9918 ppm	25.2419 ppm	0.5029 ppm	0.5263 ppm	0.5101 ppm
Concentration RSD	0.3 %	0.5 %	0.4 %	0.5 %	0.3 %	0.5 %	1.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1245 ppm	5.6863 ppm	0.9722 ppm	1.0745 ppm	1.0037 ppm	0.1216 ppm	0.5174 ppm
Concentration per Run	0.1246 ppm	5.6845 ppm	0.9619 ppm	1.0806 ppm	0.9953 ppm	0.1212 ppm	0.5183 ppm
Concentration per Run	0.1224 ppm	5.6982 ppm	0.9822 ppm	1.0811 ppm	1.0099 ppm	0.1225 ppm	0.5173 ppm
Concentration per Run	0.1267 ppm	5.6762 ppm	0.9726 ppm	1.0619 ppm	1.0058 ppm	0.1210 ppm	0.5164 ppm
Concentration RSD	1.7 %	0.2 %	1.0 %	1.0 %	0.8 %	0.7 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5062 ppm	107.1737 %	112.1523 %	106.7090 %	103.4288 %	109.4446 %	107.1883 %
Concentration per Run	0.5072 ppm	106.9915 %	112.0946 %	106.2802 %	103.5400 %	110.1862 %	106.6744 %
Concentration per Run	0.5051 ppm	106.9625 %	111.7721 %	107.0062 %	102.9533 %	108.2200 %	107.5554 %
Concentration per Run	0.5062 ppm	107.5670 %	112.5903 %	106.8406 %	103.7933 %	109.9276 %	107.3350 %
Concentration RSD	0.2 %	0.3 %	0.4 %	0.4 %	0.4 %	1.0 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2115410-4 WG2115410
 Analysis started at: 9/24/2025 5:33:20 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 33

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0525 ppm	2.0295 ppm	0.1221 ppm	1.0410 ppm	2.0409 ppm	0.0515 ppm	29.0549 ppm
Concentration per Run	0.0528 ppm	2.0458 ppm	0.1222 ppm	1.0289 ppm	2.0243 ppm	0.0513 ppm	29.0264 ppm
Concentration per Run	0.0532 ppm	2.0201 ppm	0.1190 ppm	1.0530 ppm	2.0547 ppm	0.0516 ppm	29.3081 ppm
Concentration per Run	0.0517 ppm	2.0225 ppm	0.1251 ppm	1.0412 ppm	2.0436 ppm	0.0515 ppm	28.8302 ppm
Concentration RSD	1.5 %	0.7 %	2.5 %	1.2 %	0.8 %	0.3 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0524 ppm	0.4955 ppm	0.1992 ppm	0.2499 ppm	1.0129 ppm	13.2962 ppm	0.0011 ppm
Concentration per Run	0.0520 ppm	0.4962 ppm	0.1978 ppm	0.2483 ppm	1.0069 ppm	13.2195 ppm	-0.0005 ppm
Concentration per Run	0.0529 ppm	0.4967 ppm	0.2009 ppm	0.2520 ppm	1.0147 ppm	13.3929 ppm	0.0003 ppm
Concentration per Run	0.0524 ppm	0.4935 ppm	0.1988 ppm	0.2494 ppm	1.0170 ppm	13.2761 ppm	0.0036 ppm
Concentration RSD	0.8 %	0.3 %	0.8 %	0.8 %	0.5 %	0.7 %	190.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	13.4308 ppm	0.5042 ppm	1.0002 [SIC xx]	25.6044 ppm	0.5048 ppm	0.5310 ppm	0.5023 ppm
Concentration per Run	13.3308 ppm	0.5032 ppm	0.9932 ppm	25.5576 ppm	0.5024 ppm	0.5321 ppm	0.4933 ppm
Concentration per Run	13.5804 ppm	0.5057 ppm	1.0097 ppm	25.6572 ppm	0.5071 ppm	0.5275 ppm	0.5080 ppm
Concentration per Run	13.3811 ppm	0.5038 ppm	0.9978 ppm	25.5983 ppm	0.5049 ppm	0.5332 ppm	0.5058 ppm
Concentration RSD	1.0 %	0.3 %	0.9 %	0.2 %	0.5 %	0.6 %	1.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1231 ppm	5.7292 ppm	0.9779 ppm	1.0782 ppm	1.0080 ppm	0.1208 ppm	0.5165 ppm
Concentration per Run	0.1204 ppm	5.6804 ppm	0.9671 ppm	1.0678 ppm	1.0052 ppm	0.1200 ppm	0.5137 ppm
Concentration per Run	0.1228 ppm	5.7859 ppm	0.9900 ppm	1.0887 ppm	1.0190 ppm	0.1214 ppm	0.5207 ppm
Concentration per Run	0.1261 ppm	5.7212 ppm	0.9765 ppm	1.0781 ppm	0.9997 ppm	0.1212 ppm	0.5151 ppm
Concentration RSD	2.3 %	0.9 %	1.2 %	1.0 %	1.0 %	0.6 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5116 ppm	103.0373 %	106.5765 %	103.5784 %	99.9133 %	103.4524 %	103.8018 %
Concentration per Run	0.5104 ppm	102.8687 %	106.8980 %	103.0918 %	99.3520 %	103.4021 %	103.3176 %
Concentration per Run	0.5157 ppm	102.7663 %	105.8524 %	103.9846 %	99.7569 %	102.9399 %	104.1620 %
Concentration per Run	0.5087 ppm	103.4770 %	106.9790 %	103.6587 %	100.6311 %	104.0152 %	103.9259 %
Concentration RSD	0.7 %	0.4 %	0.6 %	0.4 %	0.7 %	0.5 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2115410-5 WG2115410
 Analysis started at: 9/24/2025 5:35:27 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 34

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0569 ppm	2.0502 ppm	0.1193 ppm	1.0372 ppm	2.0492 ppm	0.0518 ppm	28.4521 ppm
Concentration per Run	0.0571 ppm	2.0401 ppm	0.1194 ppm	1.0286 ppm	2.0401 ppm	0.0517 ppm	28.4586 ppm
Concentration per Run	0.0573 ppm	2.0458 ppm	0.1182 ppm	1.0493 ppm	2.0455 ppm	0.0516 ppm	28.3326 ppm
Concentration per Run	0.0562 ppm	2.0647 ppm	0.1204 ppm	1.0338 ppm	2.0618 ppm	0.0519 ppm	28.5650 ppm
Concentration RSD	1.1 %	0.6 %	0.9 %	1.0 %	0.6 %	0.3 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0523 ppm	0.4916 ppm	0.1966 ppm	0.2455 ppm	1.0182 ppm	13.2898 ppm	0.0013 ppm
Concentration per Run	0.0520 ppm	0.4911 ppm	0.1952 ppm	0.2433 ppm	1.0180 ppm	13.2682 ppm	0.0023 ppm
Concentration per Run	0.0527 ppm	0.4956 ppm	0.1978 ppm	0.2482 ppm	1.0120 ppm	13.3168 ppm	0.0009 ppm
Concentration per Run	0.0521 ppm	0.4882 ppm	0.1967 ppm	0.2450 ppm	1.0247 ppm	13.2846 ppm	0.0007 ppm
Concentration RSD	0.8 %	0.8 %	0.6 %	1.0 %	0.6 %	0.2 %	63.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	13.3751 ppm	0.5033 ppm	0.9915 ppm	25.0500 ppm	0.5003 ppm	0.5255 ppm	0.4717 ppm
Concentration per Run	13.3014 ppm	0.5042 ppm	0.9879 ppm	24.9984 ppm	0.4986 ppm	0.5205 ppm	0.4514 ppm
Concentration per Run	13.4816 ppm	0.5012 ppm	1.0012 ppm	24.8451 ppm	0.5062 ppm	0.5283 ppm	0.4834 ppm
Concentration per Run	13.3424 ppm	0.5044 ppm	0.9855 ppm	25.3064 ppm	0.4960 ppm	0.5278 ppm	0.4801 ppm
Concentration RSD	0.7 %	0.3 %	0.9 %	0.9 %	1.1 %	0.8 %	3.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1252 ppm	5.7750 ppm	0.9838 ppm	1.0791 ppm	1.0017 ppm	0.1209 ppm	0.5127 ppm
Concentration per Run	0.1231 ppm	5.7412 ppm	0.9770 ppm	1.0721 ppm	0.9917 ppm	0.1195 ppm	0.5103 ppm
Concentration per Run	0.1256 ppm	5.8156 ppm	0.9958 ppm	1.0774 ppm	1.0076 ppm	0.1216 ppm	0.5167 ppm
Concentration per Run	0.1270 ppm	5.7683 ppm	0.9785 ppm	1.0879 ppm	1.0059 ppm	0.1216 ppm	0.5111 ppm
Concentration RSD	1.6 %	0.7 %	1.1 %	0.7 %	0.9 %	1.0 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5103 ppm	99.9168 %	107.5697 %	103.8820 %	96.9824 %	103.9334 %	103.8534 %
Concentration per Run	0.5075 ppm	100.6709 %	107.9229 %	103.2435 %	97.8275 %	104.8308 %	103.2433 %
Concentration per Run	0.5154 ppm	98.7250 %	106.8779 %	103.6650 %	95.9798 %	102.0866 %	103.5675 %
Concentration per Run	0.5080 ppm	100.3545 %	107.9082 %	104.7375 %	97.1399 %	104.8827 %	104.7493 %
Concentration RSD	0.9 %	1.0 %	0.6 %	0.7 %	1.0 %	1.5 %	0.8 %

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LabBook: WG2118872_20250924_T11.imexp

Sample: WG2115410-6d5 WG2115410
 Analysis started at: 9/24/2025 5:37:33 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 35

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	-0.0085 ppm	-0.0003 ppm	0.0053 ppm	0.0090 ppm	0.0001 ppm	3.6223 ppm
Concentration per Run	0.0012 ppm	-0.0145 ppm	0.0004 ppm	0.0054 ppm	0.0095 ppm	0.0001 ppm	3.6599 ppm
Concentration per Run	0.0014 ppm	0.0031 ppm	-0.0017 ppm	0.0045 ppm	0.0088 ppm	0.0000 ppm	3.5709 ppm
Concentration per Run	0.0000 ppm	-0.0142 ppm	0.0004 ppm	0.0059 ppm	0.0088 ppm	0.0000 ppm	3.6362 ppm
Concentration RSD	88.3 %	118.4 %	424.7 %	13.2 %	4.5 %	77.1 %	1.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0004 ppm	0.0005 ppm	-0.0003 ppm	0.0016 ppm	0.5700 ppm	0.0024 ppm
Concentration per Run	-0.0001 ppm	-0.0008 ppm	0.0008 ppm	0.0001 ppm	0.0018 ppm	0.6050 ppm	0.0024 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0005 ppm	0.0025 ppm	0.5476 ppm	0.0025 ppm
Concentration per Run	-0.0001 ppm	-0.0005 ppm	0.0006 ppm	-0.0004 ppm	0.0006 ppm	0.5575 ppm	0.0022 ppm
Concentration RSD	12.8 %	107.4 %	77.6 %	104.1 %	60.1 %	5.4 %	7.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.6726 ppm	0.0004 ppm	0.0014 ppm	3.0498 ppm	-0.0012 ppm	0.0005 ppm	0.0004 ppm
Concentration per Run	0.6751 ppm	0.0006 ppm	0.0011 ppm	3.0789 ppm	-0.0013 ppm	-0.0001 ppm	-0.0018 ppm
Concentration per Run	0.6714 ppm	0.0006 ppm	0.0012 ppm	3.0072 ppm	-0.0009 ppm	0.0007 ppm	0.0018 ppm
Concentration per Run	0.6715 ppm	0.0001 ppm	0.0019 ppm	3.0633 ppm	-0.0015 ppm	0.0008 ppm	0.0013 ppm
Concentration RSD	0.3 %	69.9 %	31.0 %	1.2 %	23.7 %	98.3 %	458.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0003 ppm	0.8952 ppm	0.0043 ppm	0.0160 ppm	0.0009 ppm	0.0010 ppm	-0.0005 ppm
Concentration per Run	0.0022 ppm	0.8999 ppm	0.0045 ppm	0.0166 ppm	0.0008 ppm	0.0012 ppm	-0.0005 ppm
Concentration per Run	0.0018 ppm	0.8924 ppm	0.0049 ppm	0.0156 ppm	0.0013 ppm	0.0010 ppm	-0.0006 ppm
Concentration per Run	-0.0030 ppm	0.8934 ppm	0.0036 ppm	0.0158 ppm	0.0008 ppm	0.0008 ppm	-0.0005 ppm
Concentration RSD	919.2 %	0.5 %	15.1 %	3.3 %	30.8 %	23.8 %	8.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	103.8763 %	105.3845 %	106.6948 %	101.2650 %	103.2764 %	106.1134 %
Concentration per Run	0.0005 ppm	102.8492 %	105.1155 %	106.7300 %	100.7035 %	103.8044 %	106.0648 %
Concentration per Run	0.0003 ppm	104.3585 %	106.6871 %	107.7289 %	101.5152 %	103.2185 %	107.2282 %
Concentration per Run	0.0002 ppm	104.4211 %	104.3507 %	105.6254 %	101.5762 %	102.8062 %	105.0472 %
Concentration RSD	45.2 %	0.9 %	1.1 %	1.0 %	0.5 %	0.5 %	1.0 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2556676-02 WG2115410
 Analysis started at: 9/24/2025 5:39:39 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 36

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	0.0126 ppm	-0.0005 ppm	0.0140 ppm	0.0169 ppm	0.0001 ppm	25.0647 ppm
Concentration per Run	0.0003 ppm	0.0142 ppm	-0.0010 ppm	0.0120 ppm	0.0168 ppm	0.0001 ppm	24.9368 ppm
Concentration per Run	0.0008 ppm	0.0115 ppm	-0.0012 ppm	0.0162 ppm	0.0169 ppm	0.0000 ppm	25.0921 ppm
Concentration per Run	0.0005 ppm	0.0119 ppm	0.0006 ppm	0.0137 ppm	0.0170 ppm	0.0001 ppm	25.1653 ppm
Concentration RSD	57.1 %	11.6 %	194.8 %	15.1 %	0.7 %	73.4 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0004 ppm	-0.0003 ppm	0.0024 ppm	0.0009 ppm	0.0461 ppm	1.3941 ppm	-0.0018 ppm
Concentration per Run	-0.0006 ppm	-0.0002 ppm	0.0023 ppm	0.0012 ppm	0.0457 ppm	1.4023 ppm	-0.0016 ppm
Concentration per Run	-0.0003 ppm	0.0002 ppm	0.0026 ppm	0.0010 ppm	0.0449 ppm	1.3760 ppm	-0.0034 ppm
Concentration per Run	-0.0004 ppm	-0.0009 ppm	0.0023 ppm	0.0005 ppm	0.0476 ppm	1.4040 ppm	-0.0004 ppm
Concentration RSD	31.4 %	176.5 %	5.9 %	42.6 %	3.0 %	1.1 %	85.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.0081 ppm	0.0030 ppm	0.0006 ppm	9.5809 ppm	0.0022 ppm	0.0004 ppm	-0.0007 ppm
Concentration per Run	5.0281 ppm	0.0031 ppm	0.0003 ppm	9.6041 ppm	0.0020 ppm	0.0010 ppm	-0.0057 ppm
Concentration per Run	4.9841 ppm	0.0030 ppm	0.0003 ppm	9.6188 ppm	0.0020 ppm	0.0007 ppm	0.0026 ppm
Concentration per Run	5.0121 ppm	0.0029 ppm	0.0013 ppm	9.5199 ppm	0.0026 ppm	-0.0004 ppm	0.0009 ppm
Concentration RSD	0.4 %	3.1 %	89.0 %	0.6 %	17.0 %	175.7 %	629.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0005 ppm	2.1446 ppm	0.0009 ppm	0.0647 ppm	0.0012 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	-0.0014 ppm	2.1570 ppm	0.0000 ppm	0.0647 ppm	0.0011 ppm	0.0024 ppm	0.0000 ppm
Concentration per Run	-0.0013 ppm	2.1372 ppm	0.0006 ppm	0.0647 ppm	0.0013 ppm	0.0006 ppm	-0.0004 ppm
Concentration per Run	0.0043 ppm	2.1396 ppm	0.0020 ppm	0.0646 ppm	0.0011 ppm	-0.0012 ppm	0.0000 ppm
Concentration RSD	630.6 %	0.5 %	119.6 %	0.0 %	8.7 %	319.9 %	165.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	101.9775 %	106.9204 %	101.7696 %	99.0883 %	103.6007 %	101.0888 %
Concentration per Run	0.0004 ppm	102.3725 %	106.7610 %	102.0612 %	99.3254 %	102.9257 %	101.6944 %
Concentration per Run	0.0001 ppm	101.5138 %	106.7374 %	102.1141 %	98.1227 %	104.4923 %	101.1977 %
Concentration per Run	0.0005 ppm	102.0462 %	107.2629 %	101.1335 %	99.8169 %	103.3841 %	100.3742 %
Concentration RSD	76.9 %	0.4 %	0.3 %	0.5 %	0.9 %	0.8 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2556676-03 WG2115410
 Analysis started at: 9/24/2025 5:41:45 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 37

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	0.1947 ppm	-0.0014 ppm	0.0648 ppm	0.0295 ppm	0.0001 ppm	32.4122 ppm
Concentration per Run	0.0012 ppm	0.1939 ppm	-0.0008 ppm	0.0658 ppm	0.0296 ppm	0.0001 ppm	32.3368 ppm
Concentration per Run	0.0006 ppm	0.1925 ppm	-0.0034 ppm	0.0631 ppm	0.0295 ppm	0.0001 ppm	32.4668 ppm
Concentration per Run	0.0007 ppm	0.1977 ppm	0.0000 ppm	0.0655 ppm	0.0293 ppm	0.0001 ppm	32.4329 ppm
Concentration RSD	41.5 %	1.4 %	131.3 %	2.3 %	0.5 %	2.4 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0004 ppm	-0.0002 ppm	0.0010 ppm	0.0030 ppm	0.2951 ppm	1.6135 ppm	0.0013 ppm
Concentration per Run	-0.0004 ppm	0.0001 ppm	0.0010 ppm	0.0028 ppm	0.2962 ppm	1.6410 ppm	0.0023 ppm
Concentration per Run	-0.0004 ppm	-0.0004 ppm	0.0012 ppm	0.0029 ppm	0.2951 ppm	1.6048 ppm	-0.0002 ppm
Concentration per Run	-0.0003 ppm	-0.0002 ppm	0.0007 ppm	0.0032 ppm	0.2940 ppm	1.5946 ppm	0.0018 ppm
Concentration RSD	13.6 %	123.4 %	25.7 %	7.0 %	0.4 %	1.5 %	99.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	8.2446 ppm	0.0150 ppm	0.0009 ppm	9.8591 ppm	0.0011 ppm	0.0015 ppm	-0.0015 ppm
Concentration per Run	8.2649 ppm	0.0150 ppm	0.0007 ppm	9.8342 ppm	0.0003 ppm	0.0017 ppm	0.0006 ppm
Concentration per Run	8.2599 ppm	0.0149 ppm	0.0008 ppm	9.8838 ppm	0.0012 ppm	0.0016 ppm	-0.0012 ppm
Concentration per Run	8.2089 ppm	0.0151 ppm	0.0012 ppm	9.8594 ppm	0.0016 ppm	0.0011 ppm	-0.0039 ppm
Concentration RSD	0.4 %	0.8 %	28.0 %	0.3 %	65.2 %	20.5 %	154.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0015 ppm	4.2916 ppm	-0.0013 ppm	0.0934 ppm	0.0105 ppm	-0.0009 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	4.3029 ppm	-0.0007 ppm	0.0943 ppm	0.0106 ppm	0.0005 ppm	0.0009 ppm
Concentration per Run	0.0016 ppm	4.2793 ppm	-0.0004 ppm	0.0931 ppm	0.0102 ppm	-0.0005 ppm	0.0005 ppm
Concentration per Run	0.0028 ppm	4.2925 ppm	-0.0029 ppm	0.0930 ppm	0.0108 ppm	-0.0026 ppm	0.0008 ppm
Concentration RSD	95.4 %	0.3 %	102.7 %	0.8 %	3.0 %	179.3 %	25.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0045 ppm	105.1143 %	105.9382 %	105.0767 %	102.1215 %	102.7747 %	104.5830 %
Concentration per Run	0.0045 ppm	104.5582 %	106.9566 %	105.0384 %	100.9072 %	103.1298 %	104.6685 %
Concentration per Run	0.0043 ppm	105.6283 %	105.3477 %	105.3257 %	102.6797 %	102.4769 %	104.8362 %
Concentration per Run	0.0045 ppm	105.1564 %	105.5102 %	104.8659 %	102.7775 %	102.7176 %	104.2443 %
Concentration RSD	2.7 %	0.5 %	0.8 %	0.2 %	1.0 %	0.3 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2556676-04 WG2115410
 Analysis started at: 9/24/2025 5:43:51 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 38

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	-0.0008 ppm	-0.0010 ppm	0.0138 ppm	0.0168 ppm	0.0000 ppm	25.2548 ppm
Concentration per Run	0.0008 ppm	-0.0036 ppm	-0.0004 ppm	0.0135 ppm	0.0170 ppm	0.0000 ppm	25.3813 ppm
Concentration per Run	0.0011 ppm	0.0036 ppm	-0.0015 ppm	0.0144 ppm	0.0164 ppm	0.0000 ppm	25.1567 ppm
Concentration per Run	0.0003 ppm	-0.0025 ppm	-0.0011 ppm	0.0135 ppm	0.0169 ppm	0.0000 ppm	25.2264 ppm
Concentration RSD	55.1 %	463.1 %	57.3 %	3.6 %	1.8 %	23.7 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0004 ppm	-0.0005 ppm	0.0002 ppm	0.0008 ppm	0.0085 ppm	1.4145 ppm	0.0006 ppm
Concentration per Run	-0.0003 ppm	-0.0001 ppm	0.0002 ppm	0.0007 ppm	0.0108 ppm	1.4353 ppm	0.0011 ppm
Concentration per Run	-0.0004 ppm	-0.0006 ppm	0.0004 ppm	0.0004 ppm	0.0070 ppm	1.3768 ppm	-0.0004 ppm
Concentration per Run	-0.0004 ppm	-0.0009 ppm	0.0002 ppm	0.0012 ppm	0.0079 ppm	1.4314 ppm	0.0013 ppm
Concentration RSD	12.5 %	79.1 %	48.1 %	49.1 %	23.7 %	2.3 %	145.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.0703 ppm	0.0009 ppm	0.0013 ppm	9.6159 ppm	0.0030 ppm	0.0008 ppm	-0.0037 ppm
Concentration per Run	5.0467 ppm	0.0008 ppm	0.0009 ppm	9.6145 ppm	0.0028 ppm	0.0009 ppm	-0.0037 ppm
Concentration per Run	5.0514 ppm	0.0010 ppm	0.0018 ppm	9.6331 ppm	0.0032 ppm	0.0010 ppm	-0.0016 ppm
Concentration per Run	5.1128 ppm	0.0010 ppm	0.0012 ppm	9.6001 ppm	0.0032 ppm	0.0006 ppm	-0.0059 ppm
Concentration RSD	0.7 %	10.8 %	34.4 %	0.2 %	6.6 %	22.9 %	58.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0015 ppm	2.1699 ppm	-0.0003 ppm	0.0654 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	-0.0020 ppm	2.1535 ppm	0.0000 ppm	0.0657 ppm	0.0007 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run	0.0004 ppm	2.1650 ppm	-0.0015 ppm	0.0650 ppm	0.0012 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run	0.0061 ppm	2.1910 ppm	0.0006 ppm	0.0655 ppm	0.0008 ppm	-0.0006 ppm	0.0002 ppm
Concentration RSD	275.6 %	0.9 %	316.2 %	0.5 %	33.4 %	3,559.7 %	149.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	103.1758 %	109.6710 %	104.1584 %	100.2207 %	106.2037 %	103.4773 %
Concentration per Run	0.0004 ppm	104.5292 %	105.8179 %	104.1611 %	101.0462 %	102.0047 %	103.5593 %
Concentration per Run	0.0003 ppm	104.1129 %	110.6501 %	104.2337 %	101.1333 %	107.8415 %	103.4884 %
Concentration per Run	0.0011 ppm	100.8854 %	112.5450 %	104.0804 %	98.4827 %	108.7648 %	103.3841 %
Concentration RSD	66.2 %	1.9 %	3.2 %	0.1 %	1.5 %	3.5 %	0.1 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 6:15:17 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4944 ppm	0.4713 ppm	0.4797 ppm	0.4875 ppm	0.4914 ppm	0.5013 ppm	0.4960 ppm
Concentration per Run	0.4968 ppm	0.4783 ppm	0.4850 ppm	0.4876 ppm	0.4961 ppm	0.5048 ppm	0.4979 ppm
Concentration per Run	0.4915 ppm	0.4725 ppm	0.4771 ppm	0.4854 ppm	0.4908 ppm	0.5010 ppm	0.4948 ppm
Concentration per Run	0.4949 ppm	0.4630 ppm	0.4770 ppm	0.4894 ppm	0.4871 ppm	0.4982 ppm	0.4952 ppm
Recovery Percentage	98.881 %	94.254 %	95.939 %	97.499 %	98.270 %	100.260 %	99.190 %
Concentration RSD	0.5 %	1.6 %	1.0 %	0.4 %	0.9 %	0.7 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4964 ppm	0.5049 ppm	0.4962 ppm	0.5102 ppm	0.4893 ppm	5.1774 ppm	0.5063 ppm
Concentration per Run	0.4977 ppm	0.5050 ppm	0.4956 ppm	0.5105 ppm	0.4887 ppm	5.2293 ppm	0.5089 ppm
Concentration per Run	0.4951 ppm	0.5041 ppm	0.4970 ppm	0.5088 ppm	0.4912 ppm	5.1912 ppm	0.5063 ppm
Concentration per Run	0.4965 ppm	0.5057 ppm	0.4958 ppm	0.5114 ppm	0.4879 ppm	5.1116 ppm	0.5039 ppm
Recovery Percentage	99.288 %	100.989 %	99.233 %	102.044 %	97.857 %	103.547 %	101.269 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.3 %	0.3 %	1.2 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4951 ppm	0.5011 ppm	0.4843 ppm	9.9780 ppm	0.5122 ppm	0.5014 ppm	0.5019 ppm
Concentration per Run	0.4986 ppm	0.5051 ppm	0.4871 ppm	10.0582 ppm	0.5122 ppm	0.5023 ppm	0.5025 ppm
Concentration per Run	0.4928 ppm	0.4985 ppm	0.4808 ppm	9.9757 ppm	0.5145 ppm	0.5056 ppm	0.4932 ppm
Concentration per Run	0.4940 ppm	0.4998 ppm	0.4851 ppm	9.9002 ppm	0.5099 ppm	0.4962 ppm	0.5101 ppm
Recovery Percentage	99.029 %	100.227 %	96.865 %	99.780 %	102.446 %	100.274 %	100.387 %
Concentration RSD	0.6 %	0.7 %	0.7 %	0.8 %	0.5 %	1.0 %	1.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4819 ppm	5.3460 ppm	0.4876 ppm	0.4950 ppm	0.4949 ppm	0.5025 ppm	0.5027 ppm
Concentration per Run	0.4856 ppm	5.3557 ppm	0.4915 ppm	0.5000 ppm	0.4964 ppm	0.5028 ppm	0.5043 ppm
Concentration per Run	0.4815 ppm	5.3164 ppm	0.4841 ppm	0.4942 ppm	0.4924 ppm	0.5034 ppm	0.5017 ppm
Concentration per Run	0.4785 ppm	5.3659 ppm	0.4872 ppm	0.4907 ppm	0.4958 ppm	0.5014 ppm	0.5021 ppm
Recovery Percentage	96.376 %	101.829 %	97.525 %	98.999 %	98.979 %	100.499 %	100.542 %
Concentration RSD	0.7 %	0.5 %	0.8 %	1.0 %	0.4 %	0.2 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5024 ppm	103.8365 %	104.9994 %	104.0032 %	100.6372 %	101.1727 %	103.1471 %
Concentration per Run	0.5041 ppm	103.5349 %	104.0966 %	103.8277 %	100.1301 %	100.1652 %	102.7564 %
Concentration per Run	0.5013 ppm	104.0556 %	105.3432 %	104.3732 %	100.5033 %	100.9800 %	103.6571 %
Concentration per Run	0.5019 ppm	103.9189 %	105.5586 %	103.8086 %	101.2781 %	102.3730 %	103.0278 %
Recovery Percentage	100.483 %						
Concentration RSD	0.3 %	0.3 %	0.8 %	0.3 %	0.6 %	1.1 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 6:17:34 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	-0.0081 ppm	0.0011 ppm	-0.0013 ppm	0.0000 ppm	0.0001 ppm	0.0101 ppm
Concentration per Run	0.0014 ppm	-0.0032 ppm	-0.0018 ppm	-0.0031 ppm	-0.0001 ppm	0.0001 ppm	0.0102 ppm
Concentration per Run	0.0006 ppm	-0.0042 ppm	0.0024 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0058 ppm
Concentration per Run	0.0011 ppm	-0.0169 ppm	0.0027 ppm	-0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0143 ppm
Recovery Percentage	14.688 %	-8.076 %	21.421 %	-4.480 %	-0.086 %	1.589 %	10.112 %
Concentration RSD	39.7 %	94.5 %	236.1 %	112.5 %	923.5 %	51.9 %	42.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0005 ppm	-0.0002 ppm	0.0003 ppm	-0.0008 ppm	0.0048 ppm	-0.0015 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	-0.0003 ppm	0.0000 ppm	-0.0024 ppm	0.0149 ppm	-0.0025 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0044 ppm	-0.0014 ppm
Concentration per Run	-0.0001 ppm	-0.0009 ppm	-0.0006 ppm	0.0008 ppm	0.0004 ppm	-0.0050 ppm	-0.0005 ppm
Recovery Percentage	-1.467 %	-2.569 %	-2.440 %	2.786 %	-1.566 %	0.191 %	-29.686 %
Concentration RSD	107.3 %	66.6 %	141.2 %	157.7 %	187.3 %	208.7 %	66.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0007 ppm	0.0001 ppm	0.0011 ppm	0.0366 ppm	-0.0003 ppm	0.0006 ppm	-0.0006 ppm
Concentration per Run	0.0019 ppm	0.0000 ppm	0.0011 ppm	0.0399 ppm	0.0004 ppm	0.0001 ppm	-0.0014 ppm
Concentration per Run	-0.0021 ppm	0.0002 ppm	0.0017 ppm	0.0257 ppm	-0.0013 ppm	0.0006 ppm	0.0024 ppm
Concentration per Run	-0.0017 ppm	0.0000 ppm	0.0003 ppm	0.0442 ppm	0.0001 ppm	0.0010 ppm	-0.0029 ppm
Recovery Percentage	-0.653 %	0.896 %	2.157 %	1.829 %	-1.156 %	5.633 %	-1.239 %
Concentration RSD	340.7 %	119.7 %	64.9 %	26.4 %	316.6 %	77.2 %	441.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0024 ppm	-0.0011 ppm	-0.0004 ppm	0.0000 ppm	0.0010 ppm	-0.0001 ppm	-0.0004 ppm
Concentration per Run	-0.0023 ppm	-0.0005 ppm	0.0003 ppm	-0.0001 ppm	0.0018 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run	-0.0025 ppm	-0.0005 ppm	-0.0008 ppm	0.0000 ppm	0.0008 ppm	-0.0015 ppm	-0.0005 ppm
Concentration per Run	-0.0024 ppm	-0.0023 ppm	-0.0007 ppm	-0.0001 ppm	0.0005 ppm	0.0016 ppm	-0.0005 ppm
Recovery Percentage	-23.989 %	-0.224 %	-0.791 %	-0.461 %	10.240 %	-0.251 %	-3.752 %
Concentration RSD	5.9 %	94.4 %	146.5 %	111.4 %	65.0 %	3,135.5 %	60.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	105.1557 %	107.6022 %	106.5041 %	103.6662 %	105.6373 %	107.0119 %
Concentration per Run	0.0002 ppm	105.8644 %	107.6118 %	105.9643 %	104.9690 %	104.2378 %	106.4521 %
Concentration per Run	0.0004 ppm	105.2104 %	107.6624 %	106.7146 %	103.5357 %	106.4959 %	107.3158 %
Concentration per Run	0.0003 ppm	104.3924 %	107.5325 %	106.8335 %	102.4938 %	106.1784 %	107.2679 %
Recovery Percentage	5.899 %						
Concentration RSD	21.8 %	0.7 %	0.1 %	0.4 %	1.2 %	1.2 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2556676-05 WG2115410
 Analysis started at: 9/24/2025 6:22:11 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 39

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	0.0010 ppm	0.0006 ppm	0.0150 ppm	0.0176 ppm	0.0001 ppm	29.2316 ppm
Concentration per Run	0.0010 ppm	0.0067 ppm	-0.0006 ppm	0.0142 ppm	0.0178 ppm	0.0000 ppm	29.2825 ppm
Concentration per Run	0.0005 ppm	-0.0184 ppm	0.0013 ppm	0.0137 ppm	0.0178 ppm	0.0001 ppm	29.2478 ppm
Concentration per Run	0.0013 ppm	0.0147 ppm	0.0012 ppm	0.0170 ppm	0.0173 ppm	0.0001 ppm	29.1644 ppm
Concentration RSD	39.6 %	1,757.9 %	173.0 %	12.0 %	1.7 %	42.4 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0004 ppm	-0.0003 ppm	0.0001 ppm	0.0007 ppm	0.1710 ppm	2.0694 ppm	0.0012 ppm
Concentration per Run	-0.0005 ppm	-0.0002 ppm	-0.0005 ppm	0.0010 ppm	0.1735 ppm	2.1095 ppm	0.0005 ppm
Concentration per Run	-0.0003 ppm	-0.0006 ppm	0.0004 ppm	0.0008 ppm	0.1700 ppm	2.0503 ppm	0.0012 ppm
Concentration per Run	-0.0004 ppm	-0.0002 ppm	0.0004 ppm	0.0002 ppm	0.1693 ppm	2.0485 ppm	0.0018 ppm
Concentration RSD	25.1 %	74.4 %	463.9 %	67.1 %	1.3 %	1.7 %	53.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	6.1716 ppm	0.0134 ppm	0.0019 ppm	11.5298 ppm	-0.0002 ppm	0.0011 ppm	-0.0015 ppm
Concentration per Run	6.1354 ppm	0.0137 ppm	0.0017 ppm	11.4752 ppm	-0.0004 ppm	0.0015 ppm	-0.0041 ppm
Concentration per Run	6.1908 ppm	0.0133 ppm	0.0023 ppm	11.5749 ppm	0.0005 ppm	-0.0005 ppm	-0.0016 ppm
Concentration per Run	6.1887 ppm	0.0131 ppm	0.0018 ppm	11.5393 ppm	-0.0006 ppm	0.0023 ppm	0.0012 ppm
Concentration RSD	0.5 %	2.3 %	16.1 %	0.4 %	339.4 %	126.8 %	180.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0022 ppm	1.4545 ppm	-0.0006 ppm	0.0816 ppm	0.0010 ppm	-0.0009 ppm	0.0005 ppm
Concentration per Run	-0.0031 ppm	1.4432 ppm	0.0011 ppm	0.0821 ppm	0.0013 ppm	-0.0004 ppm	0.0004 ppm
Concentration per Run	-0.0041 ppm	1.4569 ppm	-0.0019 ppm	0.0818 ppm	0.0009 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run	0.0007 ppm	1.4633 ppm	-0.0010 ppm	0.0810 ppm	0.0007 ppm	-0.0023 ppm	0.0005 ppm
Concentration RSD	114.4 %	0.7 %	248.0 %	0.7 %	33.2 %	148.4 %	29.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0010 ppm	104.8564 %	110.7615 %	107.2558 %	102.4161 %	107.9073 %	106.7999 %
Concentration per Run	0.0011 ppm	104.8833 %	109.6699 %	107.1800 %	102.1314 %	106.0332 %	106.6343 %
Concentration per Run	0.0008 ppm	104.4378 %	111.1605 %	107.5376 %	102.5660 %	108.7241 %	107.0500 %
Concentration per Run	0.0012 ppm	105.2480 %	111.4542 %	107.0498 %	102.5510 %	108.9648 %	106.7154 %
Concentration RSD	21.0 %	0.4 %	0.9 %	0.2 %	0.2 %	1.5 %	0.2 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2556676-06 WG2115410
 Analysis started at: 9/24/2025 6:24:33 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 40

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	0.0503 ppm	0.0022 ppm	0.0210 ppm	0.0208 ppm	0.0000 ppm	21.6400 ppm
Concentration per Run	0.0004 ppm	0.0556 ppm	-0.0006 ppm	0.0226 ppm	0.0211 ppm	0.0001 ppm	21.7827 ppm
Concentration per Run	0.0010 ppm	0.0464 ppm	0.0024 ppm	0.0210 ppm	0.0208 ppm	0.0000 ppm	21.3139 ppm
Concentration per Run	0.0011 ppm	0.0489 ppm	0.0047 ppm	0.0195 ppm	0.0205 ppm	0.0001 ppm	21.8234 ppm
Concentration RSD	42.9 %	9.5 %	124.8 %	7.5 %	1.5 %	55.4 %	1.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0003 ppm	0.0105 ppm	0.0003 ppm	0.1805 ppm	1.0170 ppm	0.0020 ppm
Concentration per Run	-0.0003 ppm	-0.0007 ppm	0.0108 ppm	0.0003 ppm	0.1833 ppm	1.0583 ppm	-0.0004 ppm
Concentration per Run	-0.0004 ppm	0.0008 ppm	0.0104 ppm	0.0005 ppm	0.1779 ppm	1.0031 ppm	0.0017 ppm
Concentration per Run	-0.0001 ppm	-0.0009 ppm	0.0103 ppm	0.0002 ppm	0.1802 ppm	0.9896 ppm	0.0047 ppm
Concentration RSD	60.6 %	357.4 %	2.6 %	46.6 %	1.5 %	3.6 %	127.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.7774 ppm	0.0106 ppm	0.0009 ppm	10.8654 ppm	0.0027 ppm	0.0008 ppm	-0.0027 ppm
Concentration per Run	5.7704 ppm	0.0108 ppm	0.0004 ppm	10.9064 ppm	0.0033 ppm	0.0007 ppm	-0.0041 ppm
Concentration per Run	5.7791 ppm	0.0104 ppm	0.0014 ppm	10.7932 ppm	0.0025 ppm	-0.0006 ppm	0.0008 ppm
Concentration per Run	5.7828 ppm	0.0107 ppm	0.0009 ppm	10.8966 ppm	0.0024 ppm	0.0023 ppm	-0.0048 ppm
Concentration RSD	0.1 %	1.8 %	54.1 %	0.6 %	18.5 %	175.3 %	113.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0019 ppm	2.0484 ppm	-0.0004 ppm	0.0492 ppm	0.0030 ppm	-0.0013 ppm	0.0002 ppm
Concentration per Run	0.0040 ppm	2.0457 ppm	0.0005 ppm	0.0496 ppm	0.0030 ppm	-0.0003 ppm	-0.0002 ppm
Concentration per Run	0.0022 ppm	2.0455 ppm	-0.0009 ppm	0.0490 ppm	0.0029 ppm	-0.0022 ppm	0.0004 ppm
Concentration per Run	-0.0005 ppm	2.0541 ppm	-0.0009 ppm	0.0491 ppm	0.0031 ppm	-0.0013 ppm	0.0005 ppm
Concentration RSD	117.6 %	0.2 %	188.3 %	0.6 %	4.0 %	73.0 %	178.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	108.4205 %	108.8584 %	108.4872 %	105.4303 %	104.2583 %	108.0107 %
Concentration per Run	0.0008 ppm	108.9308 %	108.9152 %	107.6973 %	105.5198 %	104.4239 %	107.5240 %
Concentration per Run	0.0005 ppm	107.9626 %	109.0728 %	109.5631 %	105.2483 %	105.0687 %	108.8548 %
Concentration per Run	0.0007 ppm	108.3682 %	108.5871 %	108.2011 %	105.5228 %	103.2824 %	107.6533 %
Concentration RSD	24.7 %	0.4 %	0.2 %	0.9 %	0.1 %	0.9 %	0.7 %

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2556676-07 WG2115410
 Analysis started at: 9/24/2025 6:26:48 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 41

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.0240 ppm	0.0004 ppm	0.0151 ppm	0.0212 ppm	0.0001 ppm	26.3934 ppm
Concentration per Run	0.0012 ppm	0.0165 ppm	0.0000 ppm	0.0152 ppm	0.0213 ppm	0.0001 ppm	26.2552 ppm
Concentration per Run	0.0009 ppm	0.0166 ppm	0.0025 ppm	0.0137 ppm	0.0214 ppm	0.0000 ppm	26.5178 ppm
Concentration per Run	0.0008 ppm	0.0389 ppm	-0.0014 ppm	0.0165 ppm	0.0209 ppm	0.0001 ppm	26.4073 ppm
Concentration RSD	19.6 %	53.7 %	547.0 %	9.2 %	1.1 %	55.2 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	-0.0001 ppm	0.0038 ppm	-0.0001 ppm	0.0681 ppm	1.8950 ppm	0.0008 ppm
Concentration per Run	-0.0003 ppm	-0.0003 ppm	0.0039 ppm	0.0000 ppm	0.0702 ppm	1.9191 ppm	0.0033 ppm
Concentration per Run	-0.0002 ppm	-0.0002 ppm	0.0040 ppm	-0.0005 ppm	0.0672 ppm	1.8814 ppm	-0.0009 ppm
Concentration per Run	-0.0004 ppm	0.0001 ppm	0.0034 ppm	0.0001 ppm	0.0668 ppm	1.8844 ppm	0.0001 ppm
Concentration RSD	33.5 %	136.5 %	9.4 %	270.8 %	2.7 %	1.1 %	260.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.0097 ppm	0.0102 ppm	0.0013 ppm	9.3266 ppm	0.0036 ppm	0.0007 ppm	-0.0042 ppm
Concentration per Run	4.9783 ppm	0.0102 ppm	0.0013 ppm	9.2668 ppm	0.0039 ppm	0.0008 ppm	-0.0037 ppm
Concentration per Run	5.0321 ppm	0.0103 ppm	0.0013 ppm	9.2900 ppm	0.0034 ppm	0.0015 ppm	-0.0050 ppm
Concentration per Run	5.0187 ppm	0.0102 ppm	0.0015 ppm	9.4229 ppm	0.0035 ppm	-0.0001 ppm	-0.0037 ppm
Concentration RSD	0.6 %	0.6 %	8.6 %	0.9 %	7.7 %	113.1 %	18.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0034 ppm	2.2652 ppm	-0.0004 ppm	0.0706 ppm	0.0016 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run	-0.0026 ppm	2.2531 ppm	-0.0013 ppm	0.0710 ppm	0.0019 ppm	-0.0024 ppm	0.0003 ppm
Concentration per Run	-0.0023 ppm	2.2734 ppm	-0.0001 ppm	0.0708 ppm	0.0016 ppm	0.0017 ppm	0.0003 ppm
Concentration per Run	-0.0053 ppm	2.2692 ppm	0.0001 ppm	0.0701 ppm	0.0014 ppm	0.0014 ppm	0.0003 ppm
Concentration RSD	48.4 %	0.5 %	178.8 %	0.7 %	14.5 %	901.0 %	12.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	101.8576 %	110.0286 %	102.7110 %	99.4134 %	106.4671 %	102.1888 %
Concentration per Run	-0.0002 ppm	101.9109 %	110.8721 %	102.7737 %	99.4083 %	106.0354 %	102.2028 %
Concentration per Run	0.0003 ppm	101.8958 %	109.4877 %	101.7500 %	99.8117 %	105.2105 %	101.2651 %
Concentration per Run	0.0003 ppm	101.7660 %	109.7258 %	103.6092 %	99.0201 %	108.1556 %	103.0986 %
Concentration RSD	188.2 %	0.1 %	0.7 %	0.9 %	0.4 %	1.4 %	0.9 %

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2556676-08 WG2115410
 Analysis started at: 9/24/2025 6:28:56 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 42

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	0.0011 ppm	-0.0001 ppm	0.0165 ppm	0.0424 ppm	0.0001 ppm	26.6020 ppm
Concentration per Run	0.0005 ppm	-0.0020 ppm	0.0023 ppm	0.0170 ppm	0.0422 ppm	0.0001 ppm	26.5258 ppm
Concentration per Run	0.0016 ppm	-0.0034 ppm	-0.0010 ppm	0.0163 ppm	0.0422 ppm	0.0001 ppm	26.5872 ppm
Concentration per Run	0.0012 ppm	0.0086 ppm	-0.0017 ppm	0.0163 ppm	0.0428 ppm	0.0000 ppm	26.6931 ppm
Concentration RSD	51.1 %	610.5 %	1,758.9 %	2.4 %	0.8 %	67.5 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0004 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0101 ppm	0.9907 ppm	0.0011 ppm
Concentration per Run	-0.0004 ppm	-0.0003 ppm	0.0004 ppm	-0.0008 ppm	0.0090 ppm	0.9911 ppm	0.0025 ppm
Concentration per Run	-0.0003 ppm	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0105 ppm	0.9690 ppm	0.0012 ppm
Concentration per Run	-0.0004 ppm	0.0001 ppm	-0.0004 ppm	0.0001 ppm	0.0107 ppm	1.0121 ppm	-0.0003 ppm
Concentration RSD	11.7 %	168.5 %	919.4 %	587.6 %	9.5 %	2.2 %	124.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.7871 ppm	0.0019 ppm	0.0010 ppm	9.5144 ppm	0.0007 ppm	-0.0001 ppm	-0.0034 ppm
Concentration per Run	5.7547 ppm	0.0019 ppm	0.0013 ppm	9.5511 ppm	0.0008 ppm	0.0002 ppm	0.0012 ppm
Concentration per Run	5.8235 ppm	0.0020 ppm	0.0011 ppm	9.5064 ppm	0.0007 ppm	0.0000 ppm	-0.0054 ppm
Concentration per Run	5.7830 ppm	0.0017 ppm	0.0006 ppm	9.4858 ppm	0.0007 ppm	-0.0005 ppm	-0.0059 ppm
Concentration RSD	0.6 %	7.9 %	38.6 %	0.4 %	8.1 %	301.2 %	118.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0028 ppm	3.1265 ppm	-0.0004 ppm	0.0827 ppm	0.0011 ppm	-0.0007 ppm	-0.0004 ppm
Concentration per Run	-0.0007 ppm	3.1078 ppm	0.0005 ppm	0.0820 ppm	0.0009 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run	-0.0030 ppm	3.1390 ppm	0.0003 ppm	0.0825 ppm	0.0008 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run	-0.0047 ppm	3.1327 ppm	-0.0020 ppm	0.0835 ppm	0.0017 ppm	-0.0013 ppm	-0.0004 ppm
Concentration RSD	71.4 %	0.5 %	320.2 %	1.0 %	43.3 %	98.1 %	46.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	104.3725 %	109.3523 %	106.8796 %	101.6281 %	106.4505 %	106.3462 %
Concentration per Run	0.0005 ppm	104.3385 %	109.0274 %	106.1348 %	100.9335 %	106.9110 %	105.5530 %
Concentration per Run	0.0000 ppm	103.7030 %	109.1750 %	106.9437 %	101.5269 %	106.4173 %	106.3793 %
Concentration per Run	0.0001 ppm	105.0762 %	109.8545 %	107.5602 %	102.4238 %	106.0233 %	107.1062 %
Concentration RSD	121.0 %	0.7 %	0.4 %	0.7 %	0.7 %	0.4 %	0.7 %

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2556676-10 WG2115410
 Analysis started at: 9/24/2025 6:31:02 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 43

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	0.0157 ppm	-0.0002 ppm	0.0054 ppm	0.0022 ppm	0.0001 ppm	8.4008 ppm
Concentration per Run	0.0000 ppm	0.0215 ppm	0.0001 ppm	0.0064 ppm	0.0022 ppm	0.0001 ppm	8.4130 ppm
Concentration per Run	0.0011 ppm	0.0057 ppm	-0.0012 ppm	0.0066 ppm	0.0021 ppm	0.0001 ppm	8.3592 ppm
Concentration per Run	0.0006 ppm	0.0201 ppm	0.0007 ppm	0.0032 ppm	0.0023 ppm	0.0001 ppm	8.4301 ppm
Concentration RSD	88.6 %	55.7 %	627.3 %	35.2 %	3.2 %	29.4 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0006 ppm	-0.0001 ppm	0.0001 ppm	0.9957 ppm	0.9954 ppm	0.0031 ppm
Concentration per Run	-0.0002 ppm	-0.0007 ppm	-0.0004 ppm	0.0002 ppm	0.9935 ppm	1.0333 ppm	0.0033 ppm
Concentration per Run	-0.0002 ppm	-0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.9947 ppm	0.9954 ppm	0.0039 ppm
Concentration per Run	0.0000 ppm	-0.0009 ppm	0.0001 ppm	0.0002 ppm	0.9988 ppm	0.9576 ppm	0.0021 ppm
Concentration RSD	94.5 %	75.4 %	367.3 %	287.8 %	0.3 %	3.8 %	29.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.3681 ppm	0.0297 ppm	0.0012 ppm	6.2604 ppm	0.0000 ppm	0.0002 ppm	-0.0026 ppm
Concentration per Run	3.3345 ppm	0.0300 ppm	0.0016 ppm	6.2383 ppm	0.0002 ppm	0.0009 ppm	-0.0029 ppm
Concentration per Run	3.3841 ppm	0.0293 ppm	0.0008 ppm	6.2574 ppm	-0.0001 ppm	0.0001 ppm	-0.0061 ppm
Concentration per Run	3.3857 ppm	0.0298 ppm	0.0012 ppm	6.2854 ppm	-0.0001 ppm	-0.0003 ppm	0.0013 ppm
Concentration RSD	0.9 %	1.2 %	32.3 %	0.4 %	1,356.3 %	267.3 %	144.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0003 ppm	12.9221 [SIC 100]	-0.0010 ppm	0.0386 ppm	0.0021 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	12.8105 ppm	-0.0002 ppm	0.0388 ppm	0.0024 ppm	0.0001 ppm	-0.0004 ppm
Concentration per Run	0.0033 ppm	12.9716 ppm	-0.0015 ppm	0.0383 ppm	0.0019 ppm	0.0003 ppm	-0.0006 ppm
Concentration per Run	-0.0043 ppm	12.9841 ppm	-0.0012 ppm	0.0386 ppm	0.0020 ppm	-0.0004 ppm	-0.0003 ppm
Concentration RSD	1,167.9 %	0.7 %	72.4 %	0.6 %	12.1 %	1,834.5 %	41.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0018 ppm	107.1348 %	109.7401 %	108.2591 %	104.4029 %	106.6262 %	107.7131 %
Concentration per Run	0.0019 ppm	108.3468 %	109.9310 %	108.7131 %	105.6163 %	106.0440 %	108.0700 %
Concentration per Run	0.0019 ppm	106.1961 %	109.5190 %	108.1084 %	103.7072 %	106.7797 %	107.5719 %
Concentration per Run	0.0017 ppm	106.8615 %	109.7703 %	107.9558 %	103.8853 %	107.0550 %	107.4972 %
Concentration RSD	6.5 %	1.0 %	0.2 %	0.4 %	1.0 %	0.5 %	0.3 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2556676-11 WG2115410
 Analysis started at: 9/24/2025 6:33:09 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 44

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	0.0060 ppm	0.0007 ppm	0.0155 ppm	0.0374 ppm	0.0001 ppm	12.8418 ppm
Concentration per Run	0.0003 ppm	0.0081 ppm	0.0007 ppm	0.0168 ppm	0.0374 ppm	0.0001 ppm	12.8718 ppm
Concentration per Run	0.0012 ppm	-0.0206 ppm	-0.0004 ppm	0.0157 ppm	0.0377 ppm	0.0001 ppm	12.8849 ppm
Concentration per Run	0.0001 ppm	0.0305 ppm	0.0019 ppm	0.0140 ppm	0.0371 ppm	0.0001 ppm	12.7687 ppm
Concentration RSD	100.9 %	427.7 %	153.3 %	9.3 %	0.9 %	7.0 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0004 ppm	0.0008 ppm	0.0000 ppm	0.0041 ppm	2.0783 ppm	0.0000 ppm
Concentration per Run	-0.0002 ppm	-0.0005 ppm	0.0008 ppm	-0.0002 ppm	0.0049 ppm	2.0941 ppm	-0.0003 ppm
Concentration per Run	-0.0003 ppm	-0.0002 ppm	0.0007 ppm	0.0004 ppm	0.0032 ppm	2.1114 ppm	0.0000 ppm
Concentration per Run	-0.0002 ppm	-0.0005 ppm	0.0010 ppm	-0.0003 ppm	0.0043 ppm	2.0295 ppm	0.0002 ppm
Concentration RSD	31.8 %	36.0 %	17.9 %	1,062.0 %	20.1 %	2.1 %	612.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.9536 ppm	0.0031 ppm	0.0009 ppm	11.8172 ppm	-0.0012 ppm	0.0003 ppm	-0.0028 ppm
Concentration per Run	3.9811 ppm	0.0031 ppm	0.0009 ppm	11.7997 ppm	-0.0009 ppm	-0.0012 ppm	-0.0014 ppm
Concentration per Run	3.9565 ppm	0.0032 ppm	0.0008 ppm	11.6976 ppm	-0.0011 ppm	0.0005 ppm	-0.0015 ppm
Concentration per Run	3.9234 ppm	0.0029 ppm	0.0011 ppm	11.9542 ppm	-0.0015 ppm	0.0017 ppm	-0.0054 ppm
Concentration RSD	0.7 %	3.7 %	15.9 %	1.1 %	24.5 %	446.4 %	81.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0010 ppm	6.3809 ppm	0.0002 ppm	0.0670 ppm	0.0007 ppm	0.0004 ppm	-0.0004 ppm
Concentration per Run	0.0014 ppm	6.4134 ppm	0.0004 ppm	0.0671 ppm	0.0010 ppm	0.0002 ppm	-0.0004 ppm
Concentration per Run	-0.0001 ppm	6.3828 ppm	0.0003 ppm	0.0671 ppm	0.0005 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run	0.0017 ppm	6.3465 ppm	0.0000 ppm	0.0667 ppm	0.0006 ppm	0.0009 ppm	-0.0006 ppm
Concentration RSD	98.3 %	0.5 %	104.3 %	0.3 %	31.4 %	85.3 %	40.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0011 ppm	102.8753 %	109.2418 %	102.9858 %	99.8281 %	105.8152 %	102.1269 %
Concentration per Run	0.0008 ppm	103.0662 %	108.7655 %	102.7771 %	99.9139 %	105.9975 %	101.8718 %
Concentration per Run	0.0011 ppm	102.7903 %	109.5741 %	102.2954 %	99.6864 %	103.9046 %	101.4788 %
Concentration per Run	0.0014 ppm	102.7692 %	109.3857 %	103.8849 %	99.8840 %	107.5435 %	103.0301 %
Concentration RSD	26.3 %	0.2 %	0.4 %	0.8 %	0.1 %	1.7 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2556676-12 WG2115410
 Analysis started at: 9/24/2025 6:35:15 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 45

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	0.0199 ppm	0.0008 ppm	0.0108 ppm	0.0012 ppm	0.0001 ppm	31.8056 ppm
Concentration per Run	0.0004 ppm	0.0183 ppm	0.0019 ppm	0.0129 ppm	0.0013 ppm	0.0001 ppm	32.0327 ppm
Concentration per Run	0.0011 ppm	0.0220 ppm	0.0012 ppm	0.0097 ppm	0.0011 ppm	0.0000 ppm	31.9954 ppm
Concentration per Run	0.0007 ppm	0.0194 ppm	-0.0006 ppm	0.0097 ppm	0.0012 ppm	0.0001 ppm	31.3887 ppm
Concentration RSD	46.7 %	9.5 %	158.7 %	17.2 %	7.2 %	70.0 %	1.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0004 ppm	-0.0004 ppm	0.0115 ppm	0.0009 ppm	0.1317 ppm	1.6257 ppm	0.0033 ppm
Concentration per Run	-0.0004 ppm	-0.0004 ppm	0.0110 ppm	0.0007 ppm	0.1320 ppm	1.6269 ppm	0.0038 ppm
Concentration per Run	-0.0004 ppm	-0.0003 ppm	0.0116 ppm	0.0014 ppm	0.1346 ppm	1.6554 ppm	0.0036 ppm
Concentration per Run	-0.0003 ppm	-0.0005 ppm	0.0118 ppm	0.0007 ppm	0.1284 ppm	1.5946 ppm	0.0024 ppm
Concentration RSD	5.4 %	32.4 %	3.5 %	40.5 %	2.4 %	1.9 %	23.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.8765 ppm	0.0571 ppm	0.0011 ppm	8.0922 ppm	0.0067 ppm	0.0001 ppm	-0.0036 ppm
Concentration per Run	3.8985 ppm	0.0578 ppm	0.0006 ppm	8.1874 ppm	0.0078 ppm	0.0003 ppm	-0.0020 ppm
Concentration per Run	3.8311 ppm	0.0572 ppm	0.0016 ppm	8.0860 ppm	0.0060 ppm	0.0002 ppm	-0.0040 ppm
Concentration per Run	3.9000 ppm	0.0564 ppm	0.0011 ppm	8.0033 ppm	0.0063 ppm	-0.0001 ppm	-0.0047 ppm
Concentration RSD	1.0 %	1.3 %	46.9 %	1.1 %	14.5 %	204.3 %	39.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0003 ppm	21.9770 [SIC 100]	-0.0002 ppm	0.1589 ppm	0.0022 ppm	0.0006 ppm	-0.0003 ppm
Concentration per Run	0.0040 ppm	22.0393 ppm	-0.0002 ppm	0.1587 ppm	0.0023 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run	-0.0035 ppm	21.7672 ppm	0.0009 ppm	0.1602 ppm	0.0020 ppm	0.0009 ppm	-0.0003 ppm
Concentration per Run	-0.0013 ppm	22.1246 ppm	-0.0014 ppm	0.1577 ppm	0.0022 ppm	0.0001 ppm	-0.0005 ppm
Concentration RSD	1,417.4 %	0.8 %	492.3 %	0.8 %	7.4 %	66.8 %	65.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	107.0127 %	107.0994 %	106.5667 %	104.3526 %	103.9408 %	106.4481 %
Concentration per Run	0.0005 ppm	105.9093 %	106.2522 %	105.8496 %	102.9755 %	103.4813 %	105.8025 %
Concentration per Run	0.0006 ppm	109.0279 %	106.9479 %	107.4107 %	106.1000 %	103.4710 %	107.0865 %
Concentration per Run	0.0008 ppm	106.1009 %	108.0982 %	106.4399 %	103.9822 %	104.8701 %	106.4554 %
Concentration RSD	23.0 %	1.6 %	0.9 %	0.7 %	1.5 %	0.8 %	0.6 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2557536-01 WG2115410
 Analysis started at: 9/24/2025 6:37:23 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 46

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	0.1049 ppm	0.0009 ppm	0.0139 ppm	0.0034 ppm	0.0000 ppm	5.8669 ppm
Concentration per Run	0.0006 ppm	0.1060 ppm	0.0000 ppm	0.0149 ppm	0.0035 ppm	0.0000 ppm	5.8831 ppm
Concentration per Run	0.0011 ppm	0.1044 ppm	0.0003 ppm	0.0131 ppm	0.0036 ppm	0.0001 ppm	5.8455 ppm
Concentration per Run	-0.0001 ppm	0.1042 ppm	0.0025 ppm	0.0138 ppm	0.0032 ppm	0.0000 ppm	5.8722 ppm
Concentration RSD	118.6 %	0.9 %	146.7 %	6.7 %	5.8 %	59.9 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0009 ppm	0.0135 ppm	3.0866 ppm	0.0009 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0008 ppm	0.0136 ppm	3.0726 ppm	0.0020 ppm
Concentration per Run	-0.0002 ppm	-0.0001 ppm	-0.0003 ppm	0.0007 ppm	0.0149 ppm	3.1242 ppm	-0.0017 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	-0.0007 ppm	0.0013 ppm	0.0120 ppm	3.0630 ppm	0.0025 ppm
Concentration RSD	68.8 %	163.0 %	550.2 %	38.4 %	10.6 %	1.1 %	245.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.3129 ppm	0.0287 ppm	0.0008 ppm	4.7071 ppm	0.0000 ppm	0.0012 ppm	-0.0011 ppm
Concentration per Run	1.3199 ppm	0.0289 ppm	0.0002 ppm	4.7237 ppm	0.0001 ppm	0.0004 ppm	-0.0034 ppm
Concentration per Run	1.3050 ppm	0.0286 ppm	0.0006 ppm	4.6736 ppm	0.0004 ppm	0.0024 ppm	0.0004 ppm
Concentration per Run	1.3139 ppm	0.0286 ppm	0.0017 ppm	4.7240 ppm	-0.0004 ppm	0.0008 ppm	-0.0004 ppm
Concentration RSD	0.6 %	0.6 %	94.2 %	0.6 %	1,823.2 %	90.6 %	176.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0009 ppm	0.4564 ppm	0.0001 ppm	0.0303 ppm	0.0009 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run	-0.0002 ppm	0.4597 ppm	0.0007 ppm	0.0304 ppm	0.0013 ppm	-0.0006 ppm	-0.0005 ppm
Concentration per Run	-0.0009 ppm	0.4529 ppm	-0.0005 ppm	0.0305 ppm	0.0009 ppm	-0.0005 ppm	-0.0002 ppm
Concentration per Run	-0.0016 ppm	0.4567 ppm	0.0001 ppm	0.0301 ppm	0.0005 ppm	0.0011 ppm	-0.0007 ppm
Concentration RSD	75.4 %	0.7 %	729.0 %	0.7 %	46.1 %	2,130.2 %	52.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0042 ppm	104.5123 %	108.2275 %	105.6788 %	101.9531 %	105.3511 %	104.4414 %
Concentration per Run	0.0042 ppm	104.5995 %	108.3028 %	105.8670 %	101.6584 %	105.4974 %	104.4900 %
Concentration per Run	0.0039 ppm	105.3284 %	108.9868 %	105.6977 %	102.6524 %	105.1744 %	104.2894 %
Concentration per Run	0.0044 ppm	103.6090 %	107.3928 %	105.4718 %	101.5484 %	105.3817 %	104.5448 %
Concentration RSD	6.3 %	0.8 %	0.7 %	0.2 %	0.6 %	0.2 %	0.1 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2557710-01 WG2115410
 Analysis started at: 9/24/2025 6:39:29 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 47

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	0.3015 ppm	0.0000 ppm	0.0158 ppm	0.1671 ppm	0.0001 ppm	5.8577 ppm
Concentration per Run	0.0008 ppm	0.3060 ppm	-0.0006 ppm	0.0156 ppm	0.1663 ppm	0.0001 ppm	5.8507 ppm
Concentration per Run	0.0013 ppm	0.2962 ppm	0.0010 ppm	0.0164 ppm	0.1666 ppm	0.0001 ppm	5.8262 ppm
Concentration per Run	0.0009 ppm	0.3024 ppm	-0.0003 ppm	0.0154 ppm	0.1684 ppm	0.0001 ppm	5.8963 ppm
Concentration RSD	24.8 %	1.6 %	5,588.3 %	3.3 %	0.7 %	31.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0114 ppm	0.0389 ppm	3.0485 ppm	12.7501 ppm	0.0023 ppm
Concentration per Run	-0.0001 ppm	0.0009 ppm	0.0113 ppm	0.0385 ppm	3.0440 ppm	12.7022 ppm	0.0040 ppm
Concentration per Run	-0.0002 ppm	0.0003 ppm	0.0118 ppm	0.0388 ppm	3.0353 ppm	12.7266 ppm	0.0022 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0110 ppm	0.0393 ppm	3.0663 ppm	12.8214 ppm	0.0007 ppm
Concentration RSD	232.4 %	102.8 %	3.3 %	1.0 %	0.5 %	0.5 %	72.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.0297 ppm	0.0612 ppm	0.0050 ppm	50.6892 ppm	0.0075 ppm	0.0038 ppm	0.0102 ppm
Concentration per Run	1.0216 ppm	0.0611 ppm	0.0059 ppm	50.7858 ppm	0.0066 ppm	0.0036 ppm	0.0086 ppm
Concentration per Run	1.0352 ppm	0.0604 ppm	0.0045 ppm	50.0069 ppm	0.0076 ppm	0.0041 ppm	0.0115 ppm
Concentration per Run	1.0322 ppm	0.0619 ppm	0.0046 ppm	51.2748 ppm	0.0085 ppm	0.0038 ppm	0.0106 ppm
Concentration RSD	0.7 %	1.2 %	15.1 %	1.3 %	12.6 %	7.5 %	14.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0017 ppm	3.0209 ppm	0.0070 ppm	0.0428 ppm	0.0352 ppm	-0.0018 ppm	0.0002 ppm
Concentration per Run	0.0003 ppm	3.0257 ppm	0.0065 ppm	0.0427 ppm	0.0349 ppm	-0.0020 ppm	0.0002 ppm
Concentration per Run	0.0021 ppm	3.0168 ppm	0.0058 ppm	0.0426 ppm	0.0350 ppm	-0.0022 ppm	0.0006 ppm
Concentration per Run	0.0028 ppm	3.0203 ppm	0.0086 ppm	0.0429 ppm	0.0357 ppm	-0.0011 ppm	-0.0001 ppm
Concentration RSD	75.4 %	0.1 %	20.5 %	0.3 %	1.3 %	32.2 %	130.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1999 ppm	106.3143 %	109.7532 %	105.3217 %	103.5740 %	105.3875 %	105.1303 %
Concentration per Run	0.1985 ppm	106.7439 %	109.8191 %	105.2615 %	103.8686 %	106.2120 %	105.1161 %
Concentration per Run	0.2000 ppm	105.7088 %	110.3654 %	105.9651 %	103.1953 %	104.1843 %	105.7325 %
Concentration per Run	0.2011 ppm	106.4901 %	109.0751 %	104.7386 %	103.6580 %	105.7661 %	104.5424 %
Concentration RSD	0.7 %	0.5 %	0.6 %	0.6 %	0.3 %	1.0 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557745-01 WG2115410
 Analysis started at: 9/24/2025 6:41:36 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 48

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0012 ppm	0.0753 ppm	0.0020 ppm	0.0039 ppm	0.0041 ppm	0.0001 ppm	2.3108 ppm
Concentration per Run	0.0012 ppm	0.0861 ppm	0.0046 ppm	0.0021 ppm	0.0041 ppm	0.0000 ppm	2.3330 ppm
Concentration per Run	0.0010 ppm	0.0729 ppm	0.0003 ppm	0.0058 ppm	0.0042 ppm	0.0001 ppm	2.2953 ppm
Concentration per Run	0.0014 ppm	0.0668 ppm	0.0012 ppm	0.0039 ppm	0.0041 ppm	0.0000 ppm	2.3043 ppm
Concentration RSD	14.2 %	13.1 %	114.5 %	47.4 %	1.3 %	76.4 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0021 ppm	0.0487 ppm	0.1249 ppm	11.2250 ppm	0.0018 ppm
Concentration per Run	-0.0002 ppm	0.0002 ppm	0.0025 ppm	0.0491 ppm	0.1271 ppm	11.3655 ppm	0.0018 ppm
Concentration per Run	-0.0002 ppm	-0.0006 ppm	0.0014 ppm	0.0490 ppm	0.1230 ppm	11.1451 ppm	0.0008 ppm
Concentration per Run	-0.0001 ppm	-0.0003 ppm	0.0024 ppm	0.0481 ppm	0.1246 ppm	11.1645 ppm	0.0030 ppm
Concentration RSD	41.6 %	154.2 %	28.5 %	1.1 %	1.7 %	1.1 %	60.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.6270 ppm	0.0027 ppm	0.0012 ppm	440.4511 ppm	0.0011 ppm	0.0379 ppm	-0.0038 ppm
Concentration per Run	0.6288 ppm	0.0025 ppm	0.0014 ppm	443.3769 ppm	0.0002 ppm	0.0388 ppm	0.0003 ppm
Concentration per Run	0.6257 ppm	0.0025 ppm	0.0009 ppm	435.8942 ppm	0.0017 ppm	0.0363 ppm	-0.0090 ppm
Concentration per Run	0.6266 ppm	0.0030 ppm	0.0012 ppm	442.0822 ppm	0.0014 ppm	0.0387 ppm	-0.0027 ppm
Concentration RSD	0.3 %	10.1 %	22.1 %	0.9 %	70.3 %	3.7 %	124.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0006 ppm	0.5351 ppm	0.0007 ppm	0.0162 ppm	0.0030 ppm	-0.0004 ppm	-0.0005 ppm
Concentration per Run	-0.0002 ppm	0.5354 ppm	0.0012 ppm	0.0163 ppm	0.0037 ppm	-0.0015 ppm	-0.0002 ppm
Concentration per Run	0.0008 ppm	0.5344 ppm	0.0011 ppm	0.0160 ppm	0.0023 ppm	0.0025 ppm	-0.0006 ppm
Concentration per Run	0.0011 ppm	0.5355 ppm	-0.0001 ppm	0.0162 ppm	0.0030 ppm	-0.0023 ppm	-0.0006 ppm
Concentration RSD	116.4 %	0.1 %	100.2 %	1.1 %	22.6 %	595.9 %	43.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0300 ppm	98.9669 %	105.5193 %	96.5920 %	96.3781 %	101.7746 %	100.2928 %
Concentration per Run	0.0301 ppm	98.0088 %	104.9358 %	97.5549 %	95.7163 %	101.7782 %	101.3398 %
Concentration per Run	0.0299 ppm	99.2512 %	106.0578 %	96.4689 %	96.7372 %	100.8273 %	99.8875 %
Concentration per Run	0.0301 ppm	99.6408 %	105.5642 %	95.7521 %	96.6809 %	102.7183 %	99.6511 %
Concentration RSD	0.4 %	0.9 %	0.5 %	0.9 %	0.6 %	0.9 %	0.9 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 6:44:03 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5008 ppm	0.4699 ppm	0.4876 ppm	0.4888 ppm	0.4992 ppm	0.5107 ppm	0.5010 ppm
Concentration per Run	0.4971 ppm	0.4725 ppm	0.4876 ppm	0.4852 ppm	0.4967 ppm	0.5099 ppm	0.5105 ppm
Concentration per Run	0.5028 ppm	0.4672 ppm	0.4862 ppm	0.4912 ppm	0.5032 ppm	0.5162 ppm	0.5014 ppm
Concentration per Run	0.5024 ppm	0.4700 ppm	0.4890 ppm	0.4901 ppm	0.4976 ppm	0.5060 ppm	0.4910 ppm
Recovery Percentage	100.153 %	93.978 %	97.515 %	97.770 %	99.841 %	102.142 %	100.195 %
Concentration RSD	0.6 %	0.6 %	0.3 %	0.7 %	0.7 %	1.0 %	2.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4950 ppm	0.5101 ppm	0.4990 ppm	0.5168 ppm	0.4967 ppm	5.2122 ppm	0.5254 ppm
Concentration per Run	0.4911 ppm	0.5076 ppm	0.4968 ppm	0.5131 ppm	0.4938 ppm	5.2630 ppm	0.5273 ppm
Concentration per Run	0.4971 ppm	0.5116 ppm	0.5003 ppm	0.5183 ppm	0.5039 ppm	5.2229 ppm	0.5315 ppm
Concentration per Run	0.4969 ppm	0.5110 ppm	0.4999 ppm	0.5189 ppm	0.4925 ppm	5.1508 ppm	0.5175 ppm
Recovery Percentage	99.007 %	102.015 %	99.808 %	103.359 %	99.342 %	104.245 %	105.089 %
Concentration RSD	0.7 %	0.4 %	0.4 %	0.6 %	1.3 %	1.1 %	1.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4955 ppm	0.5044 ppm	0.4881 ppm	10.1679 ppm	0.5133 ppm	0.5083 ppm	0.5025 ppm
Concentration per Run	0.4945 ppm	0.5054 ppm	0.4847 ppm	10.2348 ppm	0.5073 ppm	0.5035 ppm	0.5019 ppm
Concentration per Run	0.5002 ppm	0.5086 ppm	0.4902 ppm	10.2634 ppm	0.5179 ppm	0.5136 ppm	0.5046 ppm
Concentration per Run	0.4919 ppm	0.4992 ppm	0.4894 ppm	10.0056 ppm	0.5148 ppm	0.5078 ppm	0.5009 ppm
Recovery Percentage	99.106 %	100.879 %	97.621 %	101.679 %	102.667 %	101.659 %	100.493 %
Concentration RSD	0.9 %	0.9 %	0.6 %	1.4 %	1.1 %	1.0 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4965 ppm	5.3710 ppm	0.4886 ppm	0.5036 ppm	0.5004 ppm	0.5099 ppm	0.5062 ppm
Concentration per Run	0.4921 ppm	5.3106 ppm	0.4851 ppm	0.5009 ppm	0.4965 ppm	0.5080 ppm	0.5021 ppm
Concentration per Run	0.4991 ppm	5.4054 ppm	0.4910 ppm	0.5064 ppm	0.5036 ppm	0.5124 ppm	0.5098 ppm
Concentration per Run	0.4983 ppm	5.3968 ppm	0.4896 ppm	0.5035 ppm	0.5010 ppm	0.5094 ppm	0.5067 ppm
Recovery Percentage	99.302 %	102.304 %	97.716 %	100.722 %	100.078 %	101.986 %	101.240 %
Concentration RSD	0.8 %	1.0 %	0.6 %	0.5 %	0.7 %	0.4 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5012 ppm	105.6795 %	106.6788 %	106.5324 %	102.5294 %	103.1761 %	105.8210 %
Concentration per Run	0.4979 ppm	106.1525 %	106.8444 %	106.8539 %	103.1621 %	103.8627 %	106.4094 %
Concentration per Run	0.5031 ppm	105.2727 %	105.2517 %	106.3024 %	102.2948 %	102.1197 %	105.5607 %
Concentration per Run	0.5025 ppm	105.6133 %	107.9401 %	106.4409 %	102.1314 %	103.5459 %	105.4929 %
Recovery Percentage	100.230 %						
Concentration RSD	0.6 %	0.4 %	1.3 %	0.3 %	0.5 %	0.9 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 6:46:20 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.0026 ppm	-0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0088 ppm
Concentration per Run	0.0010 ppm	-0.0035 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0054 ppm
Concentration per Run	0.0011 ppm	0.0052 ppm	-0.0018 ppm	0.0027 ppm	0.0003 ppm	0.0001 ppm	0.0066 ppm
Concentration per Run	0.0006 ppm	0.0061 ppm	-0.0004 ppm	-0.0026 ppm	0.0000 ppm	0.0000 ppm	0.0143 ppm
Recovery Percentage	12.994 %	2.640 %	-12.946 %	0.132 %	1.256 %	1.163 %	8.796 %
Concentration RSD	27.4 %	200.9 %	169.2 %	6,747.6 %	154.5 %	91.0 %	54.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0004 ppm	0.0002 ppm	-0.0002 ppm	-0.0014 ppm	0.0099 ppm	0.0021 ppm
Concentration per Run	-0.0001 ppm	-0.0006 ppm	0.0000 ppm	-0.0003 ppm	-0.0015 ppm	-0.0041 ppm	0.0029 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	0.0005 ppm	-0.0004 ppm	-0.0022 ppm	-0.0004 ppm	0.0015 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0000 ppm	-0.0005 ppm	0.0341 ppm	0.0019 ppm
Recovery Percentage	-0.903 %	-1.820 %	2.244 %	-2.295 %	-2.824 %	0.396 %	42.459 %
Concentration RSD	150.7 %	61.2 %	96.7 %	81.9 %	63.1 %	212.7 %	34.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0030 ppm	0.0002 ppm	0.0012 ppm	0.0500 ppm	-0.0005 ppm	0.0010 ppm	-0.0053 ppm
Concentration per Run	-0.0034 ppm	0.0002 ppm	0.0014 ppm	0.0522 ppm	-0.0007 ppm	0.0017 ppm	-0.0037 ppm
Concentration per Run	-0.0028 ppm	0.0002 ppm	0.0012 ppm	0.0444 ppm	-0.0003 ppm	0.0011 ppm	-0.0088 ppm
Concentration per Run	-0.0027 ppm	0.0001 ppm	0.0011 ppm	0.0533 ppm	-0.0004 ppm	0.0003 ppm	-0.0032 ppm
Recovery Percentage	-2.961 %	1.873 %	2.412 %	2.499 %	-1.869 %	10.299 %	-10.528 %
Concentration RSD	12.1 %	24.3 %	13.3 %	9.8 %	38.7 %	68.1 %	58.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0023 ppm	0.0007 ppm	0.0007 ppm	-0.0003 ppm	0.0010 ppm	-0.0012 ppm	-0.0006 ppm
Concentration per Run	-0.0025 ppm	-0.0001 ppm	0.0009 ppm	-0.0004 ppm	0.0011 ppm	-0.0012 ppm	-0.0010 ppm
Concentration per Run	-0.0008 ppm	0.0004 ppm	-0.0001 ppm	-0.0003 ppm	0.0008 ppm	-0.0024 ppm	-0.0003 ppm
Concentration per Run	-0.0035 ppm	0.0017 ppm	0.0011 ppm	-0.0003 ppm	0.0012 ppm	0.0000 ppm	-0.0005 ppm
Recovery Percentage	-22.808 %	0.138 %	1.308 %	-3.342 %	10.339 %	-5.972 %	-6.055 %
Concentration RSD	61.4 %	131.5 %	100.6 %	5.5 %	20.1 %	102.1 %	57.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	99.2480 %	101.3489 %	101.5240 %	99.1321 %	99.1157 %	102.3754 %
Concentration per Run	0.0007 ppm	100.7452 %	102.0715 %	102.0880 %	100.7974 %	100.5067 %	102.9020 %
Concentration per Run	0.0004 ppm	98.3283 %	101.5886 %	101.0042 %	98.3164 %	98.7884 %	101.7741 %
Concentration per Run	0.0001 ppm	98.6705 %	100.3865 %	101.4799 %	98.2825 %	98.0519 %	102.4501 %
Recovery Percentage	8.236 %						
Concentration RSD	73.4 %	1.3 %	0.9 %	0.5 %	1.5 %	1.3 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557754-01 WG2115410
 Analysis started at: 9/24/2025 7:26:49 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 49

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0128 ppm	0.0106 ppm	0.0007 ppm	0.0216 ppm	0.0178 ppm	0.0001 ppm	28.3673 ppm
Concentration per Run	0.0124 ppm	0.0135 ppm	-0.0011 ppm	0.0214 ppm	0.0176 ppm	0.0000 ppm	28.3664 ppm
Concentration per Run	0.0128 ppm	0.0205 ppm	0.0018 ppm	0.0214 ppm	0.0180 ppm	0.0001 ppm	28.4023 ppm
Concentration per Run	0.0131 ppm	-0.0022 ppm	0.0015 ppm	0.0220 ppm	0.0177 ppm	0.0001 ppm	28.3331 ppm
Concentration RSD	2.6 %	109.9 %	214.0 %	1.5 %	1.2 %	59.6 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0004 ppm	0.0014 ppm	0.0033 ppm	0.2899 ppm	0.0191 ppm	11.9800 ppm	0.0072 ppm
Concentration per Run	-0.0003 ppm	0.0018 ppm	0.0030 ppm	0.2873 ppm	0.0183 ppm	11.9329 ppm	0.0071 ppm
Concentration per Run	-0.0005 ppm	0.0007 ppm	0.0031 ppm	0.2925 ppm	0.0203 ppm	12.0690 ppm	0.0074 ppm
Concentration per Run	-0.0004 ppm	0.0016 ppm	0.0037 ppm	0.2899 ppm	0.0186 ppm	11.9380 ppm	0.0071 ppm
Concentration RSD	15.1 %	41.7 %	12.0 %	0.9 %	5.6 %	0.6 %	2.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	6.0702 ppm	0.0132 ppm	0.0342 ppm	215.3502 ppm	0.0125 ppm	0.0007 ppm	-0.0041 ppm
Concentration per Run	6.0512 ppm	0.0128 ppm	0.0338 ppm	213.6147 ppm	0.0124 ppm	-0.0002 ppm	-0.0064 ppm
Concentration per Run	6.1115 ppm	0.0136 ppm	0.0350 ppm	215.2248 ppm	0.0123 ppm	0.0004 ppm	-0.0105 ppm
Concentration per Run	6.0478 ppm	0.0133 ppm	0.0338 ppm	217.2112 ppm	0.0129 ppm	0.0019 ppm	0.0045 ppm
Concentration RSD	0.6 %	2.8 %	2.1 %	0.8 %	2.8 %	147.5 %	188.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0063 ppm	4.2629 ppm	0.0108 ppm	0.2184 ppm	0.0011 ppm	0.0079 ppm	0.0046 ppm
Concentration per Run	0.0084 ppm	4.2425 ppm	0.0103 ppm	0.2165 ppm	0.0006 ppm	0.0052 ppm	0.0047 ppm
Concentration per Run	0.0024 ppm	4.2854 ppm	0.0116 ppm	0.2209 ppm	0.0017 ppm	0.0099 ppm	0.0046 ppm
Concentration per Run	0.0080 ppm	4.2608 ppm	0.0105 ppm	0.2180 ppm	0.0009 ppm	0.0087 ppm	0.0043 ppm
Concentration RSD	53.6 %	0.5 %	6.3 %	1.0 %	54.5 %	31.1 %	5.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0830 ppm	103.4231 %	110.1979 %	102.5613 %	100.1667 %	106.9579 %	104.7310 %
Concentration per Run	0.0822 ppm	102.8945 %	110.5120 %	102.5839 %	99.8828 %	106.7450 %	104.8402 %
Concentration per Run	0.0837 ppm	103.0474 %	110.3137 %	103.6755 %	99.9283 %	106.4571 %	105.7712 %
Concentration per Run	0.0833 ppm	104.3275 %	109.7681 %	101.4245 %	100.6889 %	107.6716 %	103.5817 %
Concentration RSD	0.9 %	0.8 %	0.3 %	1.1 %	0.5 %	0.6 %	1.0 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557758-01 WG2115410
 Analysis started at: 9/24/2025 7:29:04 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 50

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0018 ppm	0.0191 ppm	0.0046 ppm	0.0130 ppm	0.0130 ppm	0.0001 ppm	19.7143 ppm
Concentration per Run	0.0016 ppm	0.0245 ppm	0.0054 ppm	0.0127 ppm	0.0132 ppm	0.0001 ppm	19.7897 ppm
Concentration per Run	0.0024 ppm	0.0121 ppm	0.0024 ppm	0.0136 ppm	0.0131 ppm	0.0001 ppm	19.7768 ppm
Concentration per Run	0.0014 ppm	0.0207 ppm	0.0061 ppm	0.0126 ppm	0.0126 ppm	0.0000 ppm	19.5763 ppm
Concentration RSD	29.4 %	33.4 %	43.3 %	4.2 %	2.4 %	70.4 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0004 ppm	0.0069 ppm	0.0006 ppm	0.0205 ppm	0.3147 ppm	2.6994 ppm	0.0024 ppm
Concentration per Run	-0.0003 ppm	0.0072 ppm	0.0007 ppm	0.0207 ppm	0.3148 ppm	2.7707 ppm	0.0038 ppm
Concentration per Run	-0.0004 ppm	0.0071 ppm	0.0007 ppm	0.0202 ppm	0.3141 ppm	2.6573 ppm	0.0020 ppm
Concentration per Run	-0.0003 ppm	0.0066 ppm	0.0004 ppm	0.0204 ppm	0.3152 ppm	2.6703 ppm	0.0014 ppm
Concentration RSD	21.9 %	4.7 %	25.9 %	1.3 %	0.2 %	2.3 %	52.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.9560 ppm	0.0549 ppm	0.0010 ppm	36.7165 ppm	0.0087 ppm	0.0007 ppm	-0.0031 ppm
Concentration per Run	3.9784 ppm	0.0555 ppm	0.0008 ppm	36.4272 ppm	0.0085 ppm	0.0005 ppm	-0.0024 ppm
Concentration per Run	3.9609 ppm	0.0546 ppm	0.0012 ppm	36.6573 ppm	0.0094 ppm	0.0003 ppm	-0.0015 ppm
Concentration per Run	3.9286 ppm	0.0545 ppm	0.0011 ppm	37.0650 ppm	0.0081 ppm	0.0014 ppm	-0.0054 ppm
Concentration RSD	0.6 %	1.0 %	18.0 %	0.9 %	8.0 %	84.7 %	65.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0018 ppm	2.8349 ppm	-0.0004 ppm	0.1064 ppm	0.0010 ppm	-0.0005 ppm	-0.0003 ppm
Concentration per Run	0.0019 ppm	2.8323 ppm	-0.0004 ppm	0.1070 ppm	0.0010 ppm	-0.0016 ppm	-0.0002 ppm
Concentration per Run	0.0002 ppm	2.8640 ppm	-0.0007 ppm	0.1066 ppm	0.0009 ppm	-0.0002 ppm	-0.0004 ppm
Concentration per Run	0.0034 ppm	2.8084 ppm	-0.0002 ppm	0.1056 ppm	0.0009 ppm	0.0004 ppm	-0.0004 ppm
Concentration RSD	86.5 %	1.0 %	59.7 %	0.7 %	7.8 %	234.9 %	32.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0263 ppm	106.3968 %	109.6259 %	106.6793 %	103.5671 %	105.6111 %	106.5177 %
Concentration per Run	0.0263 ppm	105.8203 %	110.4978 %	107.0562 %	103.5279 %	105.5436 %	106.9629 %
Concentration per Run	0.0261 ppm	106.7861 %	108.7366 %	106.4773 %	103.5592 %	104.0699 %	106.5130 %
Concentration per Run	0.0264 ppm	106.5841 %	109.6434 %	106.5045 %	103.6142 %	107.2197 %	106.0772 %
Concentration RSD	0.5 %	0.5 %	0.8 %	0.3 %	0.0 %	1.5 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557592-01 WG2116826
 Analysis started at: 9/24/2025 7:31:10 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 51

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.0388 ppm	-0.0006 ppm	0.0237 ppm	0.0657 ppm	0.0001 ppm	28.0861 ppm
Concentration per Run	0.0017 ppm	0.0424 ppm	-0.0008 ppm	0.0260 ppm	0.0664 ppm	0.0000 ppm	28.2835 ppm
Concentration per Run	0.0004 ppm	0.0451 ppm	0.0001 ppm	0.0223 ppm	0.0646 ppm	0.0002 ppm	27.9482 ppm
Concentration per Run	0.0006 ppm	0.0288 ppm	-0.0010 ppm	0.0229 ppm	0.0660 ppm	0.0001 ppm	28.0266 ppm
Concentration RSD	77.2 %	22.5 %	110.9 %	8.4 %	1.4 %	80.6 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	0.0015 ppm	-0.0002 ppm	0.0004 ppm	0.0642 ppm	0.2976 ppm	0.0017 ppm
Concentration per Run	-0.0003 ppm	0.0018 ppm	0.0000 ppm	0.0001 ppm	0.0650 ppm	0.3375 ppm	0.0031 ppm
Concentration per Run	-0.0003 ppm	0.0020 ppm	-0.0007 ppm	-0.0001 ppm	0.0636 ppm	0.2758 ppm	0.0010 ppm
Concentration per Run	-0.0003 ppm	0.0008 ppm	-0.0001 ppm	0.0011 ppm	0.0638 ppm	0.2796 ppm	0.0010 ppm
Concentration RSD	5.6 %	44.6 %	159.6 %	176.9 %	1.2 %	11.6 %	72.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5827 ppm	0.1502 ppm	0.0010 ppm	139.2487 ppm	0.0002 ppm	0.0024 ppm	-0.0045 ppm
Concentration per Run	0.5898 ppm	0.1511 ppm	0.0012 ppm	139.2060 ppm	-0.0001 ppm	0.0031 ppm	-0.0020 ppm
Concentration per Run	0.5825 ppm	0.1493 ppm	0.0010 ppm	138.4578 ppm	0.0010 ppm	0.0030 ppm	-0.0068 ppm
Concentration per Run	0.5757 ppm	0.1502 ppm	0.0008 ppm	140.0823 ppm	-0.0003 ppm	0.0011 ppm	-0.0047 ppm
Concentration RSD	1.2 %	0.6 %	18.4 %	0.6 %	349.7 %	47.1 %	52.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0017 ppm	0.5336 ppm	-0.0001 ppm	0.0779 ppm	0.0020 ppm	-0.0012 ppm	0.0000 ppm
Concentration per Run	-0.0032 ppm	0.5348 ppm	0.0006 ppm	0.0788 ppm	0.0024 ppm	-0.0010 ppm	0.0001 ppm
Concentration per Run	-0.0017 ppm	0.5342 ppm	-0.0004 ppm	0.0767 ppm	0.0017 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run	-0.0003 ppm	0.5319 ppm	-0.0005 ppm	0.0783 ppm	0.0018 ppm	-0.0029 ppm	0.0001 ppm
Concentration RSD	83.4 %	0.3 %	530.3 %	1.4 %	20.6 %	141.9 %	211.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0069 ppm	97.1379 %	98.5033 %	96.3914 %	94.0047 %	95.9153 %	98.5396 %
Concentration per Run	0.0068 ppm	95.4730 %	98.2414 %	96.4107 %	92.4963 %	95.0654 %	98.5321 %
Concentration per Run	0.0070 ppm	96.8314 %	99.3446 %	96.7072 %	93.6485 %	96.7361 %	98.8998 %
Concentration per Run	0.0069 ppm	99.1092 %	97.9239 %	96.0563 %	95.8693 %	95.9444 %	98.1869 %
Concentration RSD	1.6 %	1.9 %	0.8 %	0.3 %	1.8 %	0.9 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557795-01 WG2116826
 Analysis started at: 9/24/2025 7:33:16 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 52

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	-0.0079 ppm	-0.0005 ppm	0.0143 ppm	0.0004 ppm	0.0001 ppm	0.2121 ppm
Concentration per Run	0.0013 ppm	-0.0075 ppm	-0.0029 ppm	0.0148 ppm	0.0003 ppm	0.0001 ppm	0.2060 ppm
Concentration per Run	0.0012 ppm	-0.0039 ppm	0.0044 ppm	0.0146 ppm	0.0004 ppm	0.0000 ppm	0.2172 ppm
Concentration per Run	0.0004 ppm	-0.0122 ppm	-0.0031 ppm	0.0137 ppm	0.0004 ppm	0.0001 ppm	0.2131 ppm
Concentration RSD	49.7 %	52.8 %	846.7 %	4.1 %	14.1 %	86.2 %	2.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0104 ppm	61.3674 ppm	0.0035 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0127 ppm	60.7329 ppm	0.0037 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0003 ppm	-0.0001 ppm	0.0093 ppm	61.6675 ppm	0.0040 ppm
Concentration per Run	0.0000 ppm	-0.0008 ppm	-0.0002 ppm	-0.0001 ppm	0.0093 ppm	61.7017 ppm	0.0028 ppm
Concentration RSD	85.0 %	84.3 %	464.6 %	374.5 %	19.0 %	0.9 %	18.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.2430 ppm	0.0147 ppm	-0.0001 ppm	142.6882 ppm	-0.0007 ppm	0.0000 ppm	-0.0026 ppm
Concentration per Run	0.2440 ppm	0.0145 ppm	-0.0001 ppm	141.6921 ppm	-0.0005 ppm	0.0008 ppm	-0.0058 ppm
Concentration per Run	0.2419 ppm	0.0147 ppm	0.0000 ppm	143.5203 ppm	-0.0016 ppm	-0.0014 ppm	-0.0020 ppm
Concentration per Run	0.2433 ppm	0.0147 ppm	-0.0003 ppm	142.8523 ppm	-0.0001 ppm	0.0006 ppm	0.0001 ppm
Concentration RSD	0.4 %	0.9 %	85.8 %	0.6 %	98.9 %	23,262.0 %	117.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0011 ppm	0.1342 ppm	0.0019 ppm	0.0010 ppm	0.0007 ppm	-0.0003 ppm	-0.0005 ppm
Concentration per Run	0.0028 ppm	0.1376 ppm	0.0014 ppm	0.0009 ppm	0.0002 ppm	-0.0024 ppm	-0.0006 ppm
Concentration per Run	0.0000 ppm	0.1327 ppm	0.0019 ppm	0.0011 ppm	0.0005 ppm	0.0025 ppm	-0.0002 ppm
Concentration per Run	0.0005 ppm	0.1323 ppm	0.0024 ppm	0.0010 ppm	0.0013 ppm	-0.0009 ppm	-0.0006 ppm
Concentration RSD	136.8 %	2.2 %	26.5 %	9.9 %	82.3 %	906.3 %	50.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0008 ppm	96.1862 %	98.6616 %	94.3504 %	93.3475 %	97.0831 %	96.0067 %
Concentration per Run	0.0011 ppm	95.4777 %	99.0445 %	94.3542 %	92.3514 %	97.1639 %	95.9814 %
Concentration per Run	0.0004 ppm	97.1122 %	98.3342 %	95.3065 %	94.0608 %	97.9517 %	97.0563 %
Concentration per Run	0.0009 ppm	95.9688 %	98.6061 %	93.3904 %	93.6304 %	96.1336 %	94.9823 %
Concentration RSD	47.4 %	0.9 %	0.4 %	1.0 %	1.0 %	0.9 %	1.1 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557949-01 WG2116826
 Analysis started at: 9/24/2025 7:35:22 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 53

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0013 ppm	-0.0018 ppm	0.1155 ppm	0.0313 ppm	0.0001 ppm	60.4339 ppm
Concentration per Run	0.0009 ppm	0.0014 ppm	-0.0028 ppm	0.1126 ppm	0.0317 ppm	0.0000 ppm	60.8714 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0009 ppm	0.1185 ppm	0.0308 ppm	0.0002 ppm	59.8729 ppm
Concentration per Run	-0.0002 ppm	-0.0052 ppm	-0.0033 ppm	0.1154 ppm	0.0314 ppm	0.0001 ppm	60.5574 ppm
Concentration RSD	259.6 %	266.7 %	131.3 %	2.6 %	1.4 %	67.0 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0230 ppm	0.0170 ppm	0.0002 ppm	0.0122 ppm	0.0192 ppm	1.4821 ppm	0.0206 ppm
Concentration per Run	0.0225 ppm	0.0174 ppm	0.0000 ppm	0.0119 ppm	0.0180 ppm	1.4986 ppm	0.0214 ppm
Concentration per Run	0.0230 ppm	0.0166 ppm	0.0000 ppm	0.0124 ppm	0.0213 ppm	1.4584 ppm	0.0195 ppm
Concentration per Run	0.0234 ppm	0.0170 ppm	0.0007 ppm	0.0123 ppm	0.0182 ppm	1.4895 ppm	0.0211 ppm
Concentration RSD	1.9 %	2.3 %	182.9 %	2.3 %	9.5 %	1.4 %	5.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	4.2515 ppm	0.8010 ppm	0.0022 ppm	143.9375 ppm	0.1044 ppm	0.1729 ppm	-0.0037 ppm
Concentration per Run	4.2114 ppm	0.8063 ppm	0.0023 ppm	144.2990 ppm	0.1034 ppm	0.1721 ppm	-0.0038 ppm
Concentration per Run	4.2588 ppm	0.7931 ppm	0.0021 ppm	143.2666 ppm	0.1040 ppm	0.1727 ppm	-0.0027 ppm
Concentration per Run	4.2845 ppm	0.8037 ppm	0.0023 ppm	144.2469 ppm	0.1058 ppm	0.1737 ppm	-0.0045 ppm
Concentration RSD	0.9 %	0.9 %	4.7 %	0.4 %	1.2 %	0.5 %	24.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0022 ppm	1.1284 ppm	0.0003 ppm	0.2259 ppm	0.0010 ppm	0.0002 ppm	-0.0003 ppm
Concentration per Run	0.0010 ppm	1.1177 ppm	0.0021 ppm	0.2270 ppm	0.0010 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run	0.0046 ppm	1.1271 ppm	-0.0007 ppm	0.2238 ppm	0.0008 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0010 ppm	1.1405 ppm	-0.0003 ppm	0.2269 ppm	0.0013 ppm	-0.0014 ppm	-0.0006 ppm
Concentration RSD	93.0 %	1.0 %	457.4 %	0.8 %	20.9 %	830.3 %	80.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	29.6777 ppm	97.5402 %	100.8348 %	95.6403 %	94.5935 %	98.3314 %	97.6777 %
Concentration per Run	29.2384 ppm	98.2489 %	100.0419 %	96.2104 %	94.9870 %	97.3943 %	98.3249 %
Concentration per Run	29.7246 ppm	97.6008 %	102.2373 %	94.7846 %	94.9520 %	99.1398 %	96.6252 %
Concentration per Run	30.0701 ppm	96.7709 %	100.2252 %	95.9259 %	93.8416 %	98.4602 %	98.0831 %
Concentration RSD	1.4 %	0.8 %	1.2 %	0.8 %	0.7 %	0.9 %	0.9 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 7:47:51 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5015 ppm	0.4764 ppm	0.4797 ppm	0.4937 ppm	0.4965 ppm	0.5075 ppm	0.5043 ppm
Concentration per Run	0.4996 ppm	0.4872 ppm	0.4806 ppm	0.4942 ppm	0.4974 ppm	0.5091 ppm	0.5113 ppm
Concentration per Run	0.5024 ppm	0.4784 ppm	0.4806 ppm	0.4933 ppm	0.4991 ppm	0.5075 ppm	0.4978 ppm
Concentration per Run	0.5024 ppm	0.4636 ppm	0.4777 ppm	0.4935 ppm	0.4929 ppm	0.5058 ppm	0.5039 ppm
Recovery Percentage	100.291 %	95.285 %	95.930 %	98.735 %	99.293 %	101.496 %	100.863 %
Concentration RSD	0.3 %	2.5 %	0.4 %	0.1 %	0.7 %	0.3 %	1.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5051 ppm	0.5138 ppm	0.5050 ppm	0.5198 ppm	0.4963 ppm	5.2615 ppm	0.5180 ppm
Concentration per Run	0.5053 ppm	0.5158 ppm	0.5071 ppm	0.5201 ppm	0.5015 ppm	5.3447 ppm	0.5217 ppm
Concentration per Run	0.5044 ppm	0.5134 ppm	0.5058 ppm	0.5202 ppm	0.4914 ppm	5.2432 ppm	0.5138 ppm
Concentration per Run	0.5056 ppm	0.5121 ppm	0.5022 ppm	0.5192 ppm	0.4962 ppm	5.1966 ppm	0.5183 ppm
Recovery Percentage	101.025 %	102.754 %	101.004 %	103.968 %	99.268 %	105.230 %	103.590 %
Concentration RSD	0.1 %	0.4 %	0.5 %	0.1 %	1.0 %	1.4 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5075 ppm	0.5087 ppm	0.4894 ppm	10.2993 ppm	0.5198 ppm	0.5067 ppm	0.5117 ppm
Concentration per Run	0.5062 ppm	0.5123 ppm	0.4866 ppm	10.2906 ppm	0.5212 ppm	0.5061 ppm	0.5127 ppm
Concentration per Run	0.5062 ppm	0.5040 ppm	0.4879 ppm	10.0797 ppm	0.5190 ppm	0.5071 ppm	0.5068 ppm
Concentration per Run	0.5099 ppm	0.5099 ppm	0.4938 ppm	10.5277 ppm	0.5193 ppm	0.5069 ppm	0.5155 ppm
Recovery Percentage	101.495 %	101.750 %	97.887 %	102.993 %	103.965 %	101.339 %	102.337 %
Concentration RSD	0.4 %	0.8 %	0.8 %	2.2 %	0.2 %	0.1 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4875 ppm	5.4112 ppm	0.4927 ppm	0.4992 ppm	0.5019 ppm	0.5061 ppm	0.5105 ppm
Concentration per Run	0.4833 ppm	5.3789 ppm	0.4932 ppm	0.5010 ppm	0.4995 ppm	0.5072 ppm	0.5097 ppm
Concentration per Run	0.4878 ppm	5.4103 ppm	0.4921 ppm	0.5015 ppm	0.5033 ppm	0.5057 ppm	0.5105 ppm
Concentration per Run	0.4913 ppm	5.4443 ppm	0.4928 ppm	0.4949 ppm	0.5029 ppm	0.5054 ppm	0.5112 ppm
Recovery Percentage	97.495 %	103.070 %	98.534 %	99.830 %	100.384 %	101.218 %	102.095 %
Concentration RSD	0.8 %	0.6 %	0.1 %	0.7 %	0.4 %	0.2 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5110 ppm	101.1279 %	101.1506 %	101.9298 %	98.6503 %	100.0427 %	100.9038 %
Concentration per Run	0.5112 ppm	101.0644 %	101.3591 %	102.6246 %	98.8443 %	99.4708 %	101.5418 %
Concentration per Run	0.5099 ppm	101.5720 %	102.4621 %	100.8093 %	99.2340 %	98.6695 %	99.7228 %
Concentration per Run	0.5119 ppm	100.7474 %	99.6307 %	102.3556 %	97.8726 %	101.9877 %	101.4469 %
Recovery Percentage	102.198 %						
Concentration RSD	0.2 %	0.4 %	1.4 %	1.0 %	0.7 %	1.7 %	1.0 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 7:50:26 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	-0.0006 ppm	0.0009 ppm	-0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0062 ppm
Concentration per Run	0.0010 ppm	0.0034 ppm	0.0030 ppm	-0.0027 ppm	0.0001 ppm	0.0000 ppm	0.0082 ppm
Concentration per Run	0.0002 ppm	0.0030 ppm	-0.0030 ppm	-0.0010 ppm	-0.0001 ppm	0.0001 ppm	0.0021 ppm
Concentration per Run	0.0006 ppm	-0.0083 ppm	0.0026 ppm	-0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0083 ppm
Recovery Percentage	8.193 %	-0.629 %	17.475 %	-4.899 %	0.555 %	0.854 %	6.203 %
Concentration RSD	71.9 %	1,054.2 %	382.6 %	72.6 %	250.5 %	153.0 %	57.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0004 ppm	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0307 ppm	0.0004 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	-0.0002 ppm	0.0010 ppm	0.0167 ppm	0.0028 ppm
Concentration per Run	0.0001 ppm	-0.0008 ppm	-0.0006 ppm	0.0003 ppm	-0.0004 ppm	0.0258 ppm	-0.0020 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	0.0004 ppm	-0.0004 ppm	0.0002 ppm	0.0496 ppm	0.0003 ppm
Recovery Percentage	0.229 %	-2.084 %	-0.881 %	-1.151 %	0.483 %	1.229 %	7.516 %
Concentration RSD	617.1 %	80.5 %	562.4 %	285.7 %	298.0 %	55.3 %	639.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0024 ppm	0.0002 ppm	0.0009 ppm	0.0280 ppm	-0.0008 ppm	0.0004 ppm	-0.0014 ppm
Concentration per Run	-0.0035 ppm	0.0003 ppm	0.0011 ppm	0.0284 ppm	0.0004 ppm	0.0007 ppm	0.0009 ppm
Concentration per Run	-0.0013 ppm	0.0000 ppm	0.0007 ppm	0.0274 ppm	-0.0001 ppm	0.0008 ppm	-0.0010 ppm
Concentration per Run	-0.0024 ppm	0.0002 ppm	0.0007 ppm	0.0280 ppm	-0.0026 ppm	-0.0002 ppm	-0.0039 ppm
Recovery Percentage	-2.387 %	1.726 %	1.735 %	1.398 %	-3.098 %	4.409 %	-2.710 %
Concentration RSD	44.6 %	69.3 %	27.3 %	1.7 %	201.5 %	133.3 %	179.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0025 ppm	-0.0031 ppm	0.0006 ppm	-0.0002 ppm	0.0003 ppm	-0.0004 ppm	-0.0003 ppm
Concentration per Run	-0.0026 ppm	-0.0041 ppm	0.0011 ppm	-0.0001 ppm	-0.0001 ppm	-0.0003 ppm	-0.0008 ppm
Concentration per Run	-0.0041 ppm	-0.0004 ppm	0.0014 ppm	-0.0002 ppm	0.0006 ppm	-0.0015 ppm	0.0002 ppm
Concentration per Run	-0.0008 ppm	-0.0047 ppm	-0.0007 ppm	-0.0003 ppm	0.0006 ppm	0.0007 ppm	-0.0004 ppm
Recovery Percentage	-24.998 %	-0.619 %	1.217 %	-1.952 %	3.358 %	-1.883 %	-3.185 %
Concentration RSD	65.6 %	76.2 %	193.2 %	53.5 %	119.4 %	296.1 %	149.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	98.9521 %	100.6518 %	100.2609 %	98.3002 %	99.7210 %	100.5116 %
Concentration per Run	0.0011 ppm	99.0567 %	101.4252 %	100.9431 %	98.4004 %	100.5339 %	101.2098 %
Concentration per Run	0.0001 ppm	98.6848 %	101.1275 %	99.8837 %	97.8642 %	99.7767 %	100.3432 %
Concentration per Run	0.0007 ppm	99.1148 %	99.4029 %	99.9558 %	98.6361 %	98.8523 %	99.9818 %
Recovery Percentage	12.801 %						
Concentration RSD	75.9 %	0.2 %	1.1 %	0.6 %	0.4 %	0.8 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: Aborted Injection
 Analysis started at: 9/24/2025 8:04:55 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 54

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0010 ppm	N/A	0.0084 ppm	0.1713 ppm	N/A	N/A	N/A
Concentration per Run	-0.0013 ppm	N/A	0.0101 ppm	0.1718 ppm	N/A	N/A	N/A
Concentration per Run	-0.0007 ppm	N/A	0.0067 ppm	0.1724 ppm	N/A	N/A	N/A
Concentration per Run	-0.0010 ppm	N/A	N/A	0.1698 ppm	N/A	N/A	N/A
Concentration RSD	30.5 %	N/A	28.5 %	0.8 %	N/A	N/A	N/A

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0038 ppm	0.0073 ppm	0.0708 ppm	0.0916 ppm	N/A	N/A	N/A
Concentration per Run	0.0037 ppm	0.0078 ppm	0.0708 ppm	0.0923 ppm	N/A	N/A	N/A
Concentration per Run	0.0038 ppm	0.0073 ppm	0.0708 ppm	0.0908 ppm	N/A	N/A	N/A
Concentration per Run	0.0038 ppm	0.0067 ppm	0.0710 ppm	0.0916 ppm	N/A	N/A	N/A
Concentration RSD	1.3 %	7.4 %	0.2 %	0.8 %	N/A	N/A	N/A

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	28.4696 ppm	N/A	0.0071 ppm	N/A	0.0297 ppm	0.0233 ppm	0.0029 ppm
Concentration per Run	28.6419 ppm	N/A	0.0068 ppm	N/A	0.0294 ppm	0.0235 ppm	0.0067 ppm
Concentration per Run	28.4854 ppm	N/A	0.0077 ppm	N/A	0.0292 ppm	0.0231 ppm	0.0024 ppm
Concentration per Run	28.2815 ppm	N/A	0.0068 ppm	N/A	0.0304 ppm	N/A	-0.0004 ppm
Concentration RSD	0.6 %	N/A	6.7 %	N/A	2.2 %	1.1 %	123.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0001 ppm	3.8744 ppm	0.0072 ppm	N/A	1.9764 ppm	-0.0038 ppm	0.0683 ppm
Concentration per Run	-0.0024 ppm	3.9106 ppm	0.0071 ppm	N/A	1.9904 ppm	-0.0070 ppm	0.0687 ppm
Concentration per Run	0.0026 ppm	3.8595 ppm	0.0077 ppm	N/A	1.9730 ppm	-0.0006 ppm	0.0680 ppm
Concentration per Run	N/A	3.8531 ppm	0.0069 ppm	N/A	1.9659 ppm	N/A	0.0683 ppm
Concentration RSD	3,825.5 %	0.8 %	5.8 %	N/A	0.6 %	119.6 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0988 ppm	95.0946 %	N/A	89.6513 %	93.4101 %	N/A	96.0528 %
Concentration per Run	0.0993 ppm	95.5294 %	N/A	90.1404 %	93.6430 %	N/A	96.7028 %
Concentration per Run	0.0981 ppm	94.4826 %	N/A	89.1622 %	92.8485 %	N/A	95.4029 %
Concentration per Run	0.0989 ppm	95.2720 %	N/A	N/A	93.7388 %	N/A	N/A
Concentration RSD	0.6 %	0.6 %	N/A	0.8 %	0.5 %	N/A	1.0 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2557605-01d2 WG2117170
 Analysis started at: 9/24/2025 9:10:16 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 54

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	61.9428 ppm	0.0110 ppm	0.1662 ppm	0.2580 ppm	0.0016 ppm	692.6048 ppm
Concentration per Run	0.0008 ppm	62.0972 ppm	0.0129 ppm	0.1637 ppm	0.2596 ppm	0.0017 ppm	695.0268 ppm
Concentration per Run	0.0007 ppm	61.5775 ppm	0.0107 ppm	0.1678 ppm	0.2559 ppm	0.0016 ppm	688.7447 ppm
Concentration per Run	0.0004 ppm	62.1535 ppm	0.0094 ppm	0.1669 ppm	0.2584 ppm	0.0016 ppm	694.0429 ppm
Concentration RSD	32.2 %	0.5 %	15.8 %	1.3 %	0.7 %	1.7 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0044 ppm	0.0074 ppm	0.0684 ppm	0.0903 ppm	36.8332 ppm	21.2634 ppm	0.0725 ppm
Concentration per Run	-0.0044 ppm	0.0077 ppm	0.0675 ppm	0.0890 ppm	36.9891 ppm	21.3234 ppm	0.0800 ppm
Concentration per Run	-0.0044 ppm	0.0070 ppm	0.0691 ppm	0.0911 ppm	36.5668 ppm	21.1161 ppm	0.0650 ppm
Concentration per Run	-0.0044 ppm	0.0076 ppm	0.0686 ppm	0.0909 ppm	36.9436 ppm	21.3508 ppm	0.0726 ppm
Concentration RSD	0.5 %	5.2 %	1.2 %	1.3 %	0.6 %	0.6 %	10.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	27.2835 ppm	0.6313 ppm	0.0069 ppm	8.1821 ppm	0.0275 ppm	0.0261 ppm	-0.0012 ppm
Concentration per Run	26.9367 ppm	0.6357 ppm	0.0068 ppm	8.2012 ppm	0.0272 ppm	0.0265 ppm	-0.0027 ppm
Concentration per Run	27.5976 ppm	0.6250 ppm	0.0065 ppm	8.1453 ppm	0.0279 ppm	0.0258 ppm	0.0044 ppm
Concentration per Run	27.3162 ppm	0.6330 ppm	0.0074 ppm	8.1999 ppm	0.0275 ppm	0.0261 ppm	-0.0053 ppm
Concentration RSD	1.2 %	0.9 %	6.7 %	0.4 %	1.2 %	1.3 %	418.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0014 ppm	3.7127 ppm	0.0072 ppm	4.4359 ppm	1.8885 ppm	-0.0008 ppm	0.0659 ppm
Concentration per Run	-0.0036 ppm	3.6801 ppm	0.0076 ppm	4.4651 ppm	1.8646 ppm	0.0007 ppm	0.0651 ppm
Concentration per Run	-0.0008 ppm	3.7481 ppm	0.0078 ppm	4.4049 ppm	1.9104 ppm	-0.0024 ppm	0.0663 ppm
Concentration per Run	0.0003 ppm	3.7101 ppm	0.0063 ppm	4.4377 ppm	1.8904 ppm	-0.0006 ppm	0.0664 ppm
Concentration RSD	147.0 %	0.9 %	11.4 %	0.7 %	1.2 %	205.5 %	1.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0980 ppm	97.0821 %	105.8615 %	91.6547 %	94.9640 %	104.4955 %	98.5138 %
Concentration per Run	0.0968 ppm	96.5224 %	106.0349 %	92.1327 %	94.1204 %	104.9765 %	99.0520 %
Concentration per Run	0.0989 ppm	96.9560 %	106.2374 %	91.4366 %	94.5895 %	103.8889 %	98.1870 %
Concentration per Run	0.0981 ppm	97.7681 %	105.3121 %	91.3947 %	96.1821 %	104.6212 %	98.3023 %
Concentration RSD	1.1 %	0.7 %	0.5 %	0.5 %	1.1 %	0.5 %	0.5 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: eL2557605-02d2 WG2117170
 Analysis started at: 9/24/2025 9:13:04 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 55

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	84.3768 ppm	0.0232 ppm	0.6867 ppm	1.1297 ppm	0.0026 ppm	1,026.8778 [SIC 1000]
Concentration per Run	0.0005 ppm	84.2024 ppm	0.0232 ppm	0.6815 ppm	1.1254 ppm	0.0026 ppm	1,026.8526 ppm
Concentration per Run	-0.0003 ppm	83.9642 ppm	0.0221 ppm	0.6889 ppm	1.1293 ppm	0.0027 ppm	1,022.3837 ppm
Concentration per Run	0.0005 ppm	84.9638 ppm	0.0244 ppm	0.6898 ppm	1.1344 ppm	0.0026 ppm	1,031.3971 ppm
Concentration RSD	181.0 %	0.6 %	4.9 %	0.7 %	0.4 %	1.0 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0109 ppm	0.0140 ppm	0.1205 ppm	0.4022 ppm	59.8988 ppm	37.1593 ppm	0.1613 ppm
Concentration per Run	0.0105 ppm	0.0136 ppm	0.1203 ppm	0.3996 ppm	59.6794 ppm	37.0854 ppm	0.1621 ppm
Concentration per Run	0.0113 ppm	0.0140 ppm	0.1212 ppm	0.4043 ppm	59.7623 ppm	37.0477 ppm	0.1561 ppm
Concentration per Run	0.0108 ppm	0.0145 ppm	0.1202 ppm	0.4028 ppm	60.2548 ppm	37.3448 ppm	0.1659 ppm
Concentration RSD	3.4 %	3.1 %	0.5 %	0.6 %	0.5 %	0.4 %	3.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	43.0273 ppm	1.3554 ppm	0.0068 ppm	23.5357 ppm	0.0634 ppm	1.0699 ppm	0.0006 ppm
Concentration per Run	43.0054 ppm	1.3569 ppm	0.0064 ppm	23.5226 ppm	0.0629 ppm	1.0684 ppm	-0.0017 ppm
Concentration per Run	43.1483 ppm	1.3475 ppm	0.0065 ppm	23.2808 ppm	0.0628 ppm	1.0692 ppm	0.0000 ppm
Concentration per Run	42.9282 ppm	1.3619 ppm	0.0076 ppm	23.8037 ppm	0.0645 ppm	1.0720 ppm	0.0036 ppm
Concentration RSD	0.3 %	0.5 %	9.1 %	1.1 %	1.5 %	0.2 %	446.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0035 ppm	8.8860 ppm	0.0319 ppm	7.5350 ppm	2.9908 ppm	0.0016 ppm	0.0840 ppm
Concentration per Run	-0.0005 ppm	8.8573 ppm	0.0311 ppm	7.5255 ppm	2.9831 ppm	0.0023 ppm	0.0836 ppm
Concentration per Run	-0.0047 ppm	8.9425 ppm	0.0320 ppm	7.5198 ppm	3.0060 ppm	-0.0002 ppm	0.0846 ppm
Concentration per Run	-0.0053 ppm	8.8580 ppm	0.0327 ppm	7.5596 ppm	2.9834 ppm	0.0028 ppm	0.0838 ppm
Concentration RSD	74.5 %	0.6 %	2.6 %	0.3 %	0.4 %	98.8 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0846 ppm	93.4396 %	102.1828 %	87.7182 %	92.1968 %	100.1966 %	95.9397 %
Concentration per Run	1.0776 ppm	93.0462 %	102.2884 %	88.3197 %	91.9265 %	100.5861 %	97.0443 %
Concentration per Run	1.0903 ppm	93.2446 %	102.7389 %	87.7703 %	92.1532 %	99.2210 %	95.6587 %
Concentration per Run	1.0859 ppm	94.0280 %	101.5210 %	87.0645 %	92.5107 %	100.7827 %	95.1162 %
Concentration RSD	0.6 %	0.6 %	0.6 %	0.7 %	0.3 %	0.8 %	1.0 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2557605-03d2 WG2117170
 Analysis started at: 9/24/2025 9:15:15 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 56

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	80.0021 ppm	0.0165 ppm	0.2181 ppm	0.2824 ppm	0.0018 ppm	667.8323 ppm
Concentration per Run	0.0008 ppm	79.9742 ppm	0.0197 ppm	0.2203 ppm	0.2834 ppm	0.0017 ppm	666.3588 ppm
Concentration per Run	-0.0010 ppm	80.3682 ppm	0.0158 ppm	0.2197 ppm	0.2836 ppm	0.0017 ppm	671.2905 ppm
Concentration per Run	0.0006 ppm	79.6639 ppm	0.0140 ppm	0.2143 ppm	0.2801 ppm	0.0018 ppm	665.8476 ppm
Concentration RSD	685.5 %	0.4 %	17.7 %	1.5 %	0.7 %	4.3 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0074 ppm	0.0083 ppm	0.0824 ppm	0.0329 ppm	50.3039 ppm	3.9345 ppm	0.0753 ppm
Concentration per Run	-0.0075 ppm	0.0083 ppm	0.0830 ppm	0.0327 ppm	50.5026 ppm	3.9683 ppm	0.0846 ppm
Concentration per Run	-0.0074 ppm	0.0082 ppm	0.0821 ppm	0.0330 ppm	50.6345 ppm	3.9156 ppm	0.0820 ppm
Concentration per Run	-0.0073 ppm	0.0086 ppm	0.0823 ppm	0.0329 ppm	49.7747 ppm	3.9196 ppm	0.0593 ppm
Concentration RSD	1.3 %	2.8 %	0.6 %	0.5 %	0.9 %	0.7 %	18.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	31.6283 ppm	0.6560 ppm	0.0028 ppm	5.2551 ppm	0.0333 ppm	0.0573 ppm	-0.0028 ppm
Concentration per Run	31.6713 ppm	0.6557 ppm	0.0034 ppm	5.1968 ppm	0.0324 ppm	0.0560 ppm	-0.0029 ppm
Concentration per Run	31.7690 ppm	0.6551 ppm	0.0032 ppm	5.2070 ppm	0.0333 ppm	0.0576 ppm	-0.0018 ppm
Concentration per Run	31.4446 ppm	0.6571 ppm	0.0017 ppm	5.3615 ppm	0.0343 ppm	0.0584 ppm	-0.0036 ppm
Concentration RSD	0.5 %	0.2 %	33.7 %	1.8 %	2.9 %	2.1 %	31.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0015 ppm	7.1988 ppm	0.0091 ppm	4.9931 ppm	2.3204 ppm	-0.0008 ppm	0.0935 ppm
Concentration per Run	0.0017 ppm	7.1887 ppm	0.0093 ppm	5.0100 ppm	2.3226 ppm	-0.0002 ppm	0.0936 ppm
Concentration per Run	-0.0006 ppm	7.2341 ppm	0.0087 ppm	5.0244 ppm	2.3351 ppm	0.0007 ppm	0.0937 ppm
Concentration per Run	0.0034 ppm	7.1737 ppm	0.0094 ppm	4.9450 ppm	2.3036 ppm	-0.0029 ppm	0.0932 ppm
Concentration RSD	132.7 %	0.4 %	3.9 %	0.8 %	0.7 %	244.5 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0634 ppm	94.9838 %	103.4946 %	90.1603 %	92.9538 %	103.8480 %	96.8297 %
Concentration per Run	0.0633 ppm	94.3306 %	104.2576 %	90.4244 %	92.6188 %	102.7836 %	97.1033 %
Concentration per Run	0.0638 ppm	95.0608 %	103.8269 %	90.2679 %	92.9244 %	102.6104 %	96.9811 %
Concentration per Run	0.0631 ppm	95.5600 %	102.3992 %	89.7886 %	93.3183 %	106.1501 %	96.4048 %
Concentration RSD	0.6 %	0.7 %	0.9 %	0.4 %	0.4 %	1.9 %	0.4 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2557605-04d2 WG2117170
 Analysis started at: 9/24/2025 9:17:20 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 57

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0006 ppm	80.3118 ppm	0.0207 ppm	1.1542 ppm	0.4708 ppm	0.0024 ppm	907.6345 ppm
Concentration per Run	-0.0005 ppm	80.3130 ppm	0.0201 ppm	1.1541 ppm	0.4707 ppm	0.0024 ppm	907.8913 ppm
Concentration per Run	-0.0004 ppm	80.1560 ppm	0.0189 ppm	1.1580 ppm	0.4695 ppm	0.0024 ppm	905.5787 ppm
Concentration per Run	-0.0008 ppm	80.4664 ppm	0.0233 ppm	1.1505 ppm	0.4723 ppm	0.0023 ppm	909.4335 ppm
Concentration RSD	40.9 %	0.2 %	11.1 %	0.3 %	0.3 %	2.4 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0010 ppm	0.0111 ppm	0.0903 ppm	0.1661 ppm	49.0867 ppm	14.0416 ppm	0.1100 ppm
Concentration per Run	0.0010 ppm	0.0108 ppm	0.0912 ppm	0.1674 ppm	49.1801 ppm	14.0640 ppm	0.1053 ppm
Concentration per Run	0.0009 ppm	0.0106 ppm	0.0908 ppm	0.1659 ppm	48.7475 ppm	13.9751 ppm	0.1120 ppm
Concentration per Run	0.0011 ppm	0.0118 ppm	0.0889 ppm	0.1651 ppm	49.3326 ppm	14.0857 ppm	0.1126 ppm
Concentration RSD	6.5 %	5.8 %	1.4 %	0.7 %	0.6 %	0.4 %	3.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	40.0947 ppm	1.1150 ppm	0.0057 ppm	8.4242 ppm	0.0417 ppm	0.3361 ppm	-0.0005 ppm
Concentration per Run	40.1586 ppm	1.1173 ppm	0.0055 ppm	8.4623 ppm	0.0425 ppm	0.3352 ppm	0.0011 ppm
Concentration per Run	40.1842 ppm	1.1122 ppm	0.0064 ppm	8.3824 ppm	0.0413 ppm	0.3385 ppm	-0.0041 ppm
Concentration per Run	39.9414 ppm	1.1155 ppm	0.0053 ppm	8.4278 ppm	0.0412 ppm	0.3347 ppm	0.0014 ppm
Concentration RSD	0.3 %	0.2 %	9.8 %	0.5 %	1.7 %	0.6 %	573.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0006 ppm	28.6941 [SIC 100]	0.0126 ppm	7.2277 ppm	2.5795 ppm	0.0020 ppm	0.0831 ppm
Concentration per Run	-0.0017 ppm	28.7032 ppm	0.0121 ppm	7.2337 ppm	2.5848 ppm	0.0019 ppm	0.0831 ppm
Concentration per Run	0.0011 ppm	28.7705 ppm	0.0136 ppm	7.1836 ppm	2.5928 ppm	0.0012 ppm	0.0832 ppm
Concentration per Run	-0.0013 ppm	28.6088 ppm	0.0122 ppm	7.2659 ppm	2.5608 ppm	0.0029 ppm	0.0832 ppm
Concentration RSD	231.5 %	0.3 %	6.6 %	0.6 %	0.6 %	42.5 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5492 ppm	93.2062 %	103.1783 %	88.3998 %	91.9765 %	101.8300 %	96.4455 %
Concentration per Run	0.5516 ppm	92.7164 %	102.1160 %	88.7576 %	91.5988 %	101.7590 %	96.7904 %
Concentration per Run	0.5502 ppm	93.1172 %	103.9778 %	87.8039 %	91.7452 %	101.5604 %	95.7919 %
Concentration per Run	0.5458 ppm	93.7850 %	103.4412 %	88.6380 %	92.5855 %	102.1707 %	96.7542 %
Concentration RSD	0.6 %	0.6 %	0.9 %	0.6 %	0.6 %	0.3 %	0.6 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2557605-05d2 WG2117170
 Analysis started at: 9/24/2025 9:19:26 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 58

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	46.2473 ppm	0.0203 ppm	0.0736 ppm	0.2573 ppm	0.0016 ppm	630.4839 ppm
Concentration per Run	0.0000 ppm	46.3965 ppm	0.0193 ppm	0.0727 ppm	0.2585 ppm	0.0017 ppm	634.7451 ppm
Concentration per Run	-0.0001 ppm	46.5147 ppm	0.0212 ppm	0.0737 ppm	0.2584 ppm	0.0017 ppm	632.8254 ppm
Concentration per Run	0.0003 ppm	45.8307 ppm	0.0203 ppm	0.0746 ppm	0.2550 ppm	0.0016 ppm	623.8812 ppm
Concentration RSD	229.2 %	0.8 %	4.6 %	1.3 %	0.8 %	3.2 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0066 ppm	0.0186 ppm	0.1638 ppm	0.1609 ppm	61.3378 ppm	1.4144 ppm	0.0682 ppm
Concentration per Run	-0.0066 ppm	0.0183 ppm	0.1644 ppm	0.1606 ppm	61.7855 ppm	1.4158 ppm	0.0597 ppm
Concentration per Run	-0.0068 ppm	0.0185 ppm	0.1630 ppm	0.1608 ppm	61.6631 ppm	1.4386 ppm	0.0718 ppm
Concentration per Run	-0.0065 ppm	0.0192 ppm	0.1639 ppm	0.1612 ppm	60.5646 ppm	1.3887 ppm	0.0731 ppm
Concentration RSD	2.2 %	2.5 %	0.4 %	0.2 %	1.1 %	1.8 %	10.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	30.0363 ppm	0.5343 ppm	0.0044 ppm	1.6463 ppm	0.0463 ppm	0.0307 ppm	0.0015 ppm
Concentration per Run	30.1016 ppm	0.5399 ppm	0.0042 ppm	1.6653 ppm	0.0456 ppm	0.0297 ppm	0.0008 ppm
Concentration per Run	29.9320 ppm	0.5346 ppm	0.0043 ppm	1.6366 ppm	0.0473 ppm	0.0320 ppm	0.0012 ppm
Concentration per Run	30.0751 ppm	0.5283 ppm	0.0047 ppm	1.6370 ppm	0.0459 ppm	0.0305 ppm	0.0027 ppm
Concentration RSD	0.3 %	1.1 %	5.2 %	1.0 %	1.9 %	3.8 %	65.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0009 ppm	44.5939 [SIC 100]	0.0101 ppm	0.8716 ppm	3.3091 ppm	0.0014 ppm	0.1828 ppm
Concentration per Run	-0.0010 ppm	44.5768 ppm	0.0099 ppm	0.8703 ppm	3.3083 ppm	0.0003 ppm	0.1830 ppm
Concentration per Run	0.0055 ppm	44.3887 ppm	0.0103 ppm	0.8784 ppm	3.2928 ppm	0.0042 ppm	0.1818 ppm
Concentration per Run	-0.0018 ppm	44.8161 ppm	0.0100 ppm	0.8661 ppm	3.3263 ppm	-0.0003 ppm	0.1836 ppm
Concentration RSD	426.5 %	0.5 %	2.0 %	0.7 %	0.5 %	172.8 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1697 ppm	94.9792 %	101.8203 %	89.4044 %	93.6041 %	101.9959 %	96.4612 %
Concentration per Run	0.1695 ppm	94.5925 %	98.4384 %	90.0887 %	92.9352 %	99.5750 %	97.1655 %
Concentration per Run	0.1689 ppm	95.2125 %	103.4555 %	89.7593 %	94.0016 %	102.8637 %	97.1094 %
Concentration per Run	0.1708 ppm	95.1328 %	103.5669 %	88.3653 %	93.8756 %	103.5488 %	95.1087 %
Concentration RSD	0.6 %	0.4 %	2.9 %	1.0 %	0.6 %	2.1 %	1.2 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2557605-06d2 WG2117170
 Analysis started at: 9/24/2025 9:34:50 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 59

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	58.6819 ppm	0.0233 ppm	0.0754 ppm	0.3826 ppm	0.0020 ppm	664.7675 ppm
Concentration per Run	0.0011 ppm	58.4451 ppm	0.0239 ppm	0.0780 ppm	0.3815 ppm	0.0020 ppm	662.6902 ppm
Concentration per Run	0.0004 ppm	59.0025 ppm	0.0243 ppm	0.0752 ppm	0.3825 ppm	0.0020 ppm	670.1574 ppm
Concentration per Run	0.0005 ppm	58.5983 ppm	0.0217 ppm	0.0730 ppm	0.3837 ppm	0.0019 ppm	661.4548 ppm
Concentration RSD	51.7 %	0.5 %	5.9 %	3.3 %	0.3 %	3.6 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0071 ppm	0.0260 ppm	0.1598 ppm	0.1437 ppm	77.8090 ppm	2.4263 ppm	0.0924 ppm
Concentration per Run	-0.0073 ppm	0.0255 ppm	0.1601 ppm	0.1437 ppm	77.6592 ppm	2.4434 ppm	0.0876 ppm
Concentration per Run	-0.0071 ppm	0.0258 ppm	0.1583 ppm	0.1437 ppm	78.2291 ppm	2.4122 ppm	0.0932 ppm
Concentration per Run	-0.0071 ppm	0.0268 ppm	0.1609 ppm	0.1437 ppm	77.5388 ppm	2.4233 ppm	0.0964 ppm
Concentration RSD	1.6 %	2.6 %	0.8 %	0.0 %	0.5 %	0.7 %	4.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	39.2156 ppm	0.7011 ppm	0.0058 ppm	1.8018 ppm	0.0546 ppm	0.0366 ppm	-0.0038 ppm
Concentration per Run	39.5901 ppm	0.7006 ppm	0.0056 ppm	1.8052 ppm	0.0551 ppm	0.0375 ppm	-0.0030 ppm
Concentration per Run	39.2692 ppm	0.7066 ppm	0.0058 ppm	1.8201 ppm	0.0539 ppm	0.0374 ppm	-0.0068 ppm
Concentration per Run	38.7876 ppm	0.6960 ppm	0.0060 ppm	1.7802 ppm	0.0547 ppm	0.0350 ppm	-0.0017 ppm
Concentration RSD	1.0 %	0.8 %	2.8 %	1.1 %	1.1 %	3.8 %	69.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0023 ppm	12.4585 [SIC 100]	0.0142 ppm	1.2799 ppm	3.3625 ppm	0.0002 ppm	0.1998 ppm
Concentration per Run	0.0016 ppm	12.5709 ppm	0.0147 ppm	1.2750 ppm	3.4122 ppm	0.0007 ppm	0.2010 ppm
Concentration per Run	0.0024 ppm	12.4837 ppm	0.0140 ppm	1.2876 ppm	3.3683 ppm	-0.0007 ppm	0.2005 ppm
Concentration per Run	0.0028 ppm	12.3208 ppm	0.0139 ppm	1.2771 ppm	3.3071 ppm	0.0007 ppm	0.1979 ppm
Concentration RSD	26.6 %	1.0 %	3.2 %	0.5 %	1.6 %	348.6 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4215 ppm	95.2890 %	104.4015 %	90.1267 %	94.9587 %	104.3733 %	97.7428 %
Concentration per Run	0.4246 ppm	94.4952 %	104.2099 %	90.4461 %	94.3355 %	104.7323 %	98.2648 %
Concentration per Run	0.4207 ppm	95.4929 %	103.9348 %	90.0294 %	94.9665 %	104.9327 %	97.5752 %
Concentration per Run	0.4192 ppm	95.8789 %	105.0597 %	89.9047 %	95.5742 %	103.4549 %	97.3885 %
Concentration RSD	0.7 %	0.7 %	0.6 %	0.3 %	0.7 %	0.8 %	0.5 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2557605-07d2 WG2117170
 Analysis started at: 9/24/2025 9:37:06 PM
 Comment: <Comment>
 Rack Number: 2
 Vial Numbers: 60

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	59.7500 ppm	0.0109 ppm	0.2553 ppm	0.4642 ppm	0.0018 ppm	898.6572 ppm
Concentration per Run	-0.0005 ppm	60.2505 ppm	0.0102 ppm	0.2554 ppm	0.4678 ppm	0.0019 ppm	908.8666 ppm
Concentration per Run	0.0006 ppm	59.1325 ppm	0.0093 ppm	0.2569 ppm	0.4649 ppm	0.0019 ppm	884.1071 ppm
Concentration per Run	0.0013 ppm	59.8670 ppm	0.0131 ppm	0.2535 ppm	0.4600 ppm	0.0017 ppm	902.9978 ppm
Concentration RSD	184.9 %	1.0 %	17.9 %	0.7 %	0.9 %	4.2 %	1.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0057 ppm	0.0113 ppm	0.0669 ppm	0.0493 ppm	34.2471 ppm	16.5599 ppm	0.1456 ppm
Concentration per Run	-0.0059 ppm	0.0114 ppm	0.0669 ppm	0.0488 ppm	34.3764 ppm	16.7264 ppm	0.1425 ppm
Concentration per Run	-0.0056 ppm	0.0114 ppm	0.0669 ppm	0.0499 ppm	34.0367 ppm	16.4031 ppm	0.1492 ppm
Concentration per Run	-0.0057 ppm	0.0112 ppm	0.0668 ppm	0.0492 ppm	34.3283 ppm	16.5502 ppm	0.1450 ppm
Concentration RSD	2.7 %	1.3 %	0.1 %	1.2 %	0.5 %	1.0 %	2.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	46.2898 ppm	0.7469 ppm	0.0031 ppm	9.9032 ppm	0.0334 ppm	0.0418 ppm	-0.0041 ppm
Concentration per Run	46.3461 ppm	0.7521 ppm	0.0031 ppm	9.9766 ppm	0.0343 ppm	0.0414 ppm	-0.0003 ppm
Concentration per Run	46.1210 ppm	0.7378 ppm	0.0033 ppm	9.8167 ppm	0.0332 ppm	0.0420 ppm	-0.0027 ppm
Concentration per Run	46.4022 ppm	0.7507 ppm	0.0031 ppm	9.9161 ppm	0.0328 ppm	0.0421 ppm	-0.0091 ppm
Concentration RSD	0.3 %	1.1 %	2.9 %	0.8 %	2.4 %	0.9 %	112.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0043 ppm	15.2158 [SIC 100]	0.0103 ppm	8.7110 ppm	2.2771 ppm	0.0001 ppm	0.0606 ppm
Concentration per Run	-0.0094 ppm	15.1968 ppm	0.0114 ppm	8.7722 ppm	2.2775 ppm	-0.0015 ppm	0.0602 ppm
Concentration per Run	-0.0036 ppm	15.1643 ppm	0.0105 ppm	8.6429 ppm	2.2712 ppm	0.0029 ppm	0.0604 ppm
Concentration per Run	0.0000 ppm	15.2864 ppm	0.0091 ppm	8.7179 ppm	2.2825 ppm	-0.0011 ppm	0.0612 ppm
Concentration RSD	110.0 %	0.4 %	11.0 %	0.7 %	0.2 %	2,182.6 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8857 ppm	93.2877 %	102.5924 %	88.1248 %	92.4547 %	103.1211 %	95.9654 %
Concentration per Run	0.8821 ppm	92.9915 %	101.3475 %	86.6846 %	92.0992 %	102.4015 %	94.3828 %
Concentration per Run	0.8839 ppm	93.8659 %	103.3328 %	88.8390 %	93.0909 %	103.4332 %	96.5939 %
Concentration per Run	0.8912 ppm	93.0058 %	103.0970 %	88.8508 %	92.1741 %	103.5287 %	96.9196 %
Concentration RSD	0.5 %	0.5 %	1.1 %	1.4 %	0.6 %	0.6 %	1.4 %

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LabBook: WG2118872_20250924_T11.imexp

Sample: eL2557605-08d2 WG2117170
 Analysis started at: 9/24/2025 9:39:12 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 1

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	72.7640 ppm	0.0635 ppm	0.1252 ppm	0.5870 ppm	0.0026 ppm	1,099.1831 [SIC 1000]
Concentration per Run	0.0007 ppm	72.9686 ppm	0.0628 ppm	0.1233 ppm	0.5870 ppm	0.0026 ppm	1,104.6149 ppm
Concentration per Run	0.0000 ppm	72.4724 ppm	0.0617 ppm	0.1268 ppm	0.5857 ppm	0.0026 ppm	1,094.0159 ppm
Concentration per Run	0.0000 ppm	72.8509 ppm	0.0660 ppm	0.1256 ppm	0.5883 ppm	0.0026 ppm	1,098.9186 ppm
Concentration RSD	171.5 %	0.4 %	3.5 %	1.4 %	0.2 %	1.4 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0104 ppm	0.0325 ppm	0.3451 ppm	0.5569 ppm	68.4118 ppm	16.6129 ppm	0.0888 ppm
Concentration per Run	-0.0103 ppm	0.0330 ppm	0.3427 ppm	0.5521 ppm	68.7822 ppm	16.7685 ppm	0.1222 ppm
Concentration per Run	-0.0105 ppm	0.0313 ppm	0.3491 ppm	0.5612 ppm	67.7901 ppm	16.4084 ppm	0.0613 ppm
Concentration per Run	-0.0103 ppm	0.0333 ppm	0.3435 ppm	0.5576 ppm	68.6631 ppm	16.6617 ppm	0.0828 ppm
Concentration RSD	1.2 %	3.3 %	1.0 %	0.8 %	0.8 %	1.1 %	34.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	48.6746 ppm	0.9793 ppm	0.1395 ppm	8.6349 ppm	0.2662 ppm	0.3321 ppm	0.0021 ppm
Concentration per Run	47.9467 ppm	0.9822 ppm	0.1382 ppm	8.4802 ppm	0.2639 ppm	0.3349 ppm	0.0045 ppm
Concentration per Run	49.1236 ppm	0.9765 ppm	0.1408 ppm	8.6845 ppm	0.2695 ppm	0.3323 ppm	0.0022 ppm
Concentration per Run	48.9534 ppm	0.9793 ppm	0.1396 ppm	8.7401 ppm	0.2651 ppm	0.3291 ppm	-0.0003 ppm
Concentration RSD	1.3 %	0.3 %	0.9 %	1.6 %	1.1 %	0.9 %	114.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0014 ppm	5.0798 ppm	0.0356 ppm	1.7029 ppm	3.3705 ppm	0.0025 ppm	0.5230 ppm
Concentration per Run	0.0051 ppm	4.9890 ppm	0.0346 ppm	1.7142 ppm	3.3135 ppm	0.0035 ppm	0.5174 ppm
Concentration per Run	-0.0040 ppm	5.1370 ppm	0.0376 ppm	1.6842 ppm	3.4191 ppm	-0.0005 ppm	0.5273 ppm
Concentration per Run	0.0032 ppm	5.1133 ppm	0.0345 ppm	1.7103 ppm	3.3789 ppm	0.0046 ppm	0.5243 ppm
Concentration RSD	344.6 %	1.6 %	5.0 %	1.0 %	1.6 %	107.4 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1178 ppm	92.9554 %	101.0973 %	87.9592 %	92.0832 %	102.9720 %	96.2619 %
Concentration per Run	1.1060 ppm	93.6345 %	101.2427 %	87.7975 %	92.5086 %	100.2011 %	96.2106 %
Concentration per Run	1.1245 ppm	91.9584 %	100.9231 %	88.2791 %	91.6122 %	103.9969 %	96.6648 %
Concentration per Run	1.1228 ppm	93.2733 %	101.1260 %	87.8011 %	92.1287 %	104.7179 %	95.9102 %
Concentration RSD	0.9 %	0.9 %	0.2 %	0.3 %	0.5 %	2.4 %	0.4 %

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LabBook: WG2118872_20250924_T11.imexp

Sample: eL2557605-09d2 WG2117170
 Analysis started at: 9/24/2025 9:41:18 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 2

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	102.3487 ppm	0.0630 ppm	0.1519 ppm	0.5279 ppm	0.0031 ppm	1,232.4202 [SIC 1000]
Concentration per Run	0.0010 ppm	102.4562 ppm	0.0625 ppm	0.1505 ppm	0.5291 ppm	0.0031 ppm	1,231.1253 ppm
Concentration per Run	0.0007 ppm	102.0607 ppm	0.0634 ppm	0.1494 ppm	0.5256 ppm	0.0031 ppm	1,229.7888 ppm
Concentration per Run	0.0012 ppm	102.5291 ppm	0.0631 ppm	0.1559 ppm	0.5292 ppm	0.0032 ppm	1,236.3465 ppm
Concentration RSD	27.6 %	0.2 %	0.7 %	2.3 %	0.4 %	0.9 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0124 ppm	0.0333 ppm	0.3124 ppm	0.5224 ppm	83.1919 ppm	3.8399 ppm	0.1353 ppm
Concentration per Run	-0.0126 ppm	0.0334 ppm	0.3084 ppm	0.5184 ppm	83.3063 ppm	3.8133 ppm	0.1330 ppm
Concentration per Run	-0.0124 ppm	0.0333 ppm	0.3148 ppm	0.5253 ppm	83.0130 ppm	3.8400 ppm	0.1409 ppm
Concentration per Run	-0.0123 ppm	0.0333 ppm	0.3140 ppm	0.5235 ppm	83.2564 ppm	3.8665 ppm	0.1318 ppm
Concentration RSD	0.9 %	0.3 %	1.1 %	0.7 %	0.2 %	0.7 %	3.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	55.8402 ppm	1.1725 ppm	0.1079 ppm	2.2293 ppm	0.2619 ppm	0.3324 ppm	0.0011 ppm
Concentration per Run	55.6271 ppm	1.1743 ppm	0.1063 ppm	2.2447 ppm	0.2600 ppm	0.3317 ppm	0.0026 ppm
Concentration per Run	55.7804 ppm	1.1720 ppm	0.1087 ppm	2.2141 ppm	0.2619 ppm	0.3322 ppm	0.0034 ppm
Concentration per Run	56.1130 ppm	1.1711 ppm	0.1086 ppm	2.2291 ppm	0.2637 ppm	0.3332 ppm	-0.0025 ppm
Concentration RSD	0.4 %	0.1 %	1.2 %	0.7 %	0.7 %	0.2 %	277.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0001 ppm	3.8439 ppm	0.0338 ppm	2.6729 ppm	4.0398 ppm	0.0031 ppm	0.5301 ppm
Concentration per Run	-0.0015 ppm	3.8258 ppm	0.0363 ppm	2.6711 ppm	4.0339 ppm	0.0027 ppm	0.5261 ppm
Concentration per Run	0.0053 ppm	3.8479 ppm	0.0329 ppm	2.6651 ppm	4.0330 ppm	0.0043 ppm	0.5325 ppm
Concentration per Run	-0.0040 ppm	3.8581 ppm	0.0322 ppm	2.6826 ppm	4.0524 ppm	0.0025 ppm	0.5317 ppm
Concentration RSD	7,326.7 %	0.4 %	6.6 %	0.3 %	0.3 %	31.1 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8393 ppm	90.9626 %	104.2092 %	86.1142 %	90.5284 %	104.3568 %	95.2723 %
Concentration per Run	0.8294 ppm	91.1657 %	104.1159 %	86.3246 %	90.7722 %	105.9582 %	95.6015 %
Concentration per Run	0.8427 ppm	90.5465 %	104.5806 %	86.2570 %	90.0584 %	103.9694 %	95.4289 %
Concentration per Run	0.8457 ppm	91.1755 %	103.9312 %	85.7609 %	90.7548 %	103.1427 %	94.7865 %
Concentration RSD	1.0 %	0.4 %	0.3 %	0.4 %	0.4 %	1.4 %	0.5 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: eL2557605-10d2 WG2117170
 Analysis started at: 9/24/2025 9:43:24 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	86.3997 ppm	0.0778 ppm	0.1033 ppm	0.5538 ppm	0.0029 ppm	1,289.6454 [SIC 1000]
Concentration per Run	0.0006 ppm	86.2290 ppm	0.0754 ppm	0.1068 ppm	0.5539 ppm	0.0029 ppm	1,286.0555 ppm
Concentration per Run	0.0000 ppm	86.7845 ppm	0.0818 ppm	0.1006 ppm	0.5537 ppm	0.0030 ppm	1,296.8016 ppm
Concentration per Run	0.0005 ppm	86.1855 ppm	0.0762 ppm	0.1024 ppm	0.5537 ppm	0.0029 ppm	1,286.0791 ppm
Concentration RSD	94.3 %	0.4 %	4.5 %	3.1 %	0.0 %	1.6 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0123 ppm	0.0374 ppm	0.3842 ppm	0.6422 ppm	79.0324 ppm	13.5307 ppm	0.1457 ppm
Concentration per Run	-0.0122 ppm	0.0378 ppm	0.3831 ppm	0.6432 ppm	78.2632 ppm	13.4712 ppm	0.1456 ppm
Concentration per Run	-0.0123 ppm	0.0378 ppm	0.3836 ppm	0.6428 ppm	79.6484 ppm	13.6082 ppm	0.1463 ppm
Concentration per Run	-0.0124 ppm	0.0366 ppm	0.3859 ppm	0.6407 ppm	79.1857 ppm	13.5126 ppm	0.1452 ppm
Concentration RSD	1.0 %	1.9 %	0.4 %	0.2 %	0.9 %	0.5 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	54.8591 ppm	1.1468 ppm	0.1345 ppm	3.6671 ppm	0.3114 ppm	0.4041 ppm	0.0025 ppm
Concentration per Run	54.4011 ppm	1.1454 ppm	0.1357 ppm	3.6633 ppm	0.3114 ppm	0.4010 ppm	0.0033 ppm
Concentration per Run	55.2601 ppm	1.1542 ppm	0.1344 ppm	3.6924 ppm	0.3119 ppm	0.4059 ppm	-0.0012 ppm
Concentration per Run	54.9161 ppm	1.1409 ppm	0.1335 ppm	3.6455 ppm	0.3110 ppm	0.4053 ppm	0.0052 ppm
Concentration RSD	0.8 %	0.6 %	0.8 %	0.6 %	0.1 %	0.7 %	132.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0002 ppm	3.9847 ppm	0.0384 ppm	1.8257 ppm	3.6625 ppm	0.0054 ppm	0.6339 ppm
Concentration per Run	-0.0081 ppm	3.9585 ppm	0.0375 ppm	1.8197 ppm	3.6243 ppm	0.0049 ppm	0.6311 ppm
Concentration per Run	-0.0002 ppm	4.0079 ppm	0.0375 ppm	1.8350 ppm	3.6859 ppm	0.0058 ppm	0.6357 ppm
Concentration per Run	0.0078 ppm	3.9877 ppm	0.0401 ppm	1.8225 ppm	3.6772 ppm	0.0054 ppm	0.6348 ppm
Concentration RSD	4,796.3 %	0.6 %	3.9 %	0.4 %	0.9 %	8.3 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0287 ppm	91.2410 %	102.0016 %	85.4641 %	90.4047 %	101.8154 %	93.7031 %
Concentration per Run	1.0267 ppm	91.5187 %	102.3946 %	86.5457 %	90.3435 %	102.3880 %	95.1777 %
Concentration per Run	1.0275 ppm	90.6289 %	101.4559 %	84.6545 %	89.9789 %	101.8269 %	92.8951 %
Concentration per Run	1.0321 ppm	91.5754 %	102.1545 %	85.1919 %	90.8918 %	101.2312 %	93.0364 %
Concentration RSD	0.3 %	0.6 %	0.5 %	1.1 %	0.5 %	0.6 %	1.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 9:54:35 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5001 ppm	0.4827 ppm	0.4845 ppm	0.4988 ppm	0.4991 ppm	0.5083 ppm	0.5038 ppm
Concentration per Run	0.5030 ppm	0.4828 ppm	0.4839 ppm	0.4993 ppm	0.5005 ppm	0.5083 ppm	0.5089 ppm
Concentration per Run	0.4995 ppm	0.4814 ppm	0.4881 ppm	0.4986 ppm	0.4986 ppm	0.5097 ppm	0.5043 ppm
Concentration per Run	0.4979 ppm	0.4838 ppm	0.4816 ppm	0.4986 ppm	0.4983 ppm	0.5070 ppm	0.4981 ppm
Recovery Percentage	100.030 %	96.534 %	96.903 %	99.765 %	99.824 %	101.660 %	100.752 %
Concentration RSD	0.5 %	0.2 %	0.7 %	0.1 %	0.2 %	0.3 %	1.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5058 ppm	0.5129 ppm	0.5056 ppm	0.5219 ppm	0.4965 ppm	5.2960 ppm	0.5196 ppm
Concentration per Run	0.5091 ppm	0.5151 ppm	0.5096 ppm	0.5261 ppm	0.5011 ppm	5.3115 ppm	0.5212 ppm
Concentration per Run	0.5036 ppm	0.5112 ppm	0.5040 ppm	0.5209 ppm	0.4951 ppm	5.3179 ppm	0.5203 ppm
Concentration per Run	0.5046 ppm	0.5123 ppm	0.5032 ppm	0.5186 ppm	0.4933 ppm	5.2586 ppm	0.5173 ppm
Recovery Percentage	101.153 %	102.571 %	101.123 %	104.374 %	99.305 %	105.920 %	103.924 %
Concentration RSD	0.6 %	0.4 %	0.7 %	0.7 %	0.8 %	0.6 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5014 ppm	0.5063 ppm	0.4892 ppm	10.2268 ppm	0.5215 ppm	0.5054 ppm	0.5099 ppm
Concentration per Run	0.5016 ppm	0.5109 ppm	0.4934 ppm	10.2588 ppm	0.5261 ppm	0.5034 ppm	0.5144 ppm
Concentration per Run	0.5013 ppm	0.5043 ppm	0.4883 ppm	10.2144 ppm	0.5183 ppm	0.5044 ppm	0.5047 ppm
Concentration per Run	0.5013 ppm	0.5037 ppm	0.4859 ppm	10.2072 ppm	0.5203 ppm	0.5083 ppm	0.5105 ppm
Recovery Percentage	100.277 %	101.262 %	97.843 %	102.268 %	104.309 %	101.080 %	101.979 %
Concentration RSD	0.0 %	0.8 %	0.8 %	0.3 %	0.8 %	0.5 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4872 ppm	5.4436 ppm	0.4852 ppm	0.5005 ppm	0.5017 ppm	0.5064 ppm	0.5103 ppm
Concentration per Run	0.4853 ppm	5.4640 ppm	0.4855 ppm	0.5024 ppm	0.5046 ppm	0.5035 ppm	0.5134 ppm
Concentration per Run	0.4901 ppm	5.4306 ppm	0.4829 ppm	0.5007 ppm	0.4998 ppm	0.5073 ppm	0.5094 ppm
Concentration per Run	0.4863 ppm	5.4361 ppm	0.4872 ppm	0.4984 ppm	0.5008 ppm	0.5083 ppm	0.5082 ppm
Recovery Percentage	97.447 %	103.687 %	97.040 %	100.098 %	100.346 %	101.271 %	102.063 %
Concentration RSD	0.5 %	0.3 %	0.4 %	0.4 %	0.5 %	0.5 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5095 ppm	101.4880 %	104.2918 %	102.5104 %	98.8108 %	102.3573 %	101.5556 %
Concentration per Run	0.5145 ppm	100.5491 %	103.3022 %	103.6626 %	98.0637 %	102.1951 %	102.6378 %
Concentration per Run	0.5052 ppm	102.8813 %	103.9747 %	101.8990 %	99.9393 %	101.2816 %	100.8818 %
Concentration per Run	0.5089 ppm	101.0337 %	105.5985 %	101.9695 %	98.4294 %	103.5951 %	101.1472 %
Recovery Percentage	101.906 %						
Concentration RSD	0.9 %	1.2 %	1.1 %	1.0 %	1.0 %	1.1 %	0.9 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 9:56:51 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0094 ppm	0.0013 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0043 ppm
Concentration per Run	0.0001 ppm	-0.0047 ppm	0.0007 ppm	0.0024 ppm	0.0002 ppm	0.0001 ppm	0.0018 ppm
Concentration per Run	-0.0003 ppm	-0.0164 ppm	0.0029 ppm	-0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0047 ppm
Concentration per Run	0.0004 ppm	-0.0070 ppm	0.0004 ppm	-0.0020 ppm	-0.0001 ppm	0.0000 ppm	0.0065 ppm
Recovery Percentage	0.928 %	-9.376 %	26.435 %	-0.109 %	0.712 %	2.155 %	4.332 %
Concentration RSD	537.0 %	66.2 %	102.5 %	6,719.3 %	210.7 %	61.8 %	55.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0007 ppm	-0.0001 ppm	-0.0002 ppm	-0.0008 ppm	0.0264 ppm	-0.0008 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	-0.0002 ppm	0.0002 ppm	-0.0011 ppm	0.0434 ppm	0.0003 ppm
Concentration per Run	-0.0001 ppm	-0.0008 ppm	-0.0003 ppm	-0.0007 ppm	-0.0006 ppm	0.0122 ppm	-0.0011 ppm
Concentration per Run	0.0000 ppm	-0.0007 ppm	0.0002 ppm	0.0000 ppm	-0.0007 ppm	0.0237 ppm	-0.0017 ppm
Recovery Percentage	-1.097 %	-3.539 %	-0.801 %	-1.930 %	-1.562 %	1.056 %	-16.496 %
Concentration RSD	162.6 %	17.9 %	347.9 %	235.2 %	35.4 %	59.8 %	127.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0005 ppm	0.0003 ppm	0.0011 ppm	0.0172 ppm	0.0006 ppm	0.0004 ppm	-0.0035 ppm
Concentration per Run	-0.0004 ppm	0.0004 ppm	0.0008 ppm	0.0135 ppm	0.0007 ppm	0.0005 ppm	-0.0006 ppm
Concentration per Run	-0.0003 ppm	0.0002 ppm	0.0011 ppm	0.0222 ppm	0.0017 ppm	0.0008 ppm	-0.0046 ppm
Concentration per Run	-0.0007 ppm	0.0003 ppm	0.0014 ppm	0.0158 ppm	-0.0008 ppm	-0.0001 ppm	-0.0052 ppm
Recovery Percentage	-0.454 %	3.002 %	2.243 %	0.860 %	2.226 %	4.394 %	-6.914 %
Concentration RSD	49.8 %	41.7 %	28.3 %	26.4 %	224.1 %	106.2 %	71.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0008 ppm	0.0006 ppm	-0.0009 ppm	0.0000 ppm	0.0008 ppm	-0.0010 ppm	-0.0002 ppm
Concentration per Run	-0.0017 ppm	-0.0001 ppm	-0.0009 ppm	0.0001 ppm	0.0009 ppm	-0.0008 ppm	-0.0003 ppm
Concentration per Run	0.0028 ppm	-0.0003 ppm	-0.0018 ppm	0.0000 ppm	0.0004 ppm	-0.0016 ppm	-0.0004 ppm
Concentration per Run	-0.0034 ppm	0.0022 ppm	0.0000 ppm	-0.0001 ppm	0.0012 ppm	-0.0005 ppm	0.0000 ppm
Recovery Percentage	-7.842 %	0.116 %	-1.796 %	-0.105 %	8.249 %	-4.873 %	-2.357 %
Concentration RSD	406.9 %	236.7 %	99.3 %	718.7 %	44.3 %	57.8 %	82.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	102.4968 %	105.4377 %	105.0160 %	101.4878 %	102.8485 %	105.4764 %
Concentration per Run	-0.0001 ppm	102.6338 %	105.0661 %	104.1978 %	101.6311 %	102.3813 %	104.5714 %
Concentration per Run	0.0007 ppm	103.0694 %	105.3111 %	105.9906 %	101.4080 %	103.1819 %	106.4403 %
Concentration per Run	0.0004 ppm	101.7871 %	105.9358 %	104.8596 %	101.4245 %	102.9824 %	105.4175 %
Recovery Percentage	6.805 %						
Concentration RSD	117.9 %	0.6 %	0.4 %	0.9 %	0.1 %	0.4 %	0.9 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557703-01d2 WG2117170
 Analysis started at: 9/24/2025 9:59:57 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	56.9983 ppm	0.0316 ppm	0.0196 ppm	0.5552 ppm	0.0046 ppm	37.5009 ppm
Concentration per Run	0.0006 ppm	57.4371 ppm	0.0322 ppm	0.0193 ppm	0.5563 ppm	0.0046 ppm	37.8777 ppm
Concentration per Run	0.0012 ppm	56.5489 ppm	0.0317 ppm	0.0184 ppm	0.5519 ppm	0.0045 ppm	37.2784 ppm
Concentration per Run	0.0009 ppm	57.0090 ppm	0.0309 ppm	0.0210 ppm	0.5573 ppm	0.0046 ppm	37.3466 ppm
Concentration RSD	34.2 %	0.8 %	2.1 %	6.9 %	0.5 %	1.3 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0017 ppm	0.0747 ppm	0.1578 ppm	0.3814 ppm	128.9903 ppm	12.1279 ppm	0.0887 ppm
Concentration per Run	0.0016 ppm	0.0742 ppm	0.1581 ppm	0.3812 ppm	129.6802 ppm	12.1846 ppm	0.0893 ppm
Concentration per Run	0.0018 ppm	0.0754 ppm	0.1584 ppm	0.3819 ppm	128.1743 ppm	12.0127 ppm	0.0862 ppm
Concentration per Run	0.0018 ppm	0.0746 ppm	0.1571 ppm	0.3810 ppm	129.1163 ppm	12.1863 ppm	0.0908 ppm
Concentration RSD	4.8 %	0.8 %	0.4 %	0.1 %	0.6 %	0.8 %	2.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	40.9743 ppm	3.7397 ppm	0.0038 ppm	3.2546 ppm	0.6649 ppm	0.5987 ppm	0.0008 ppm
Concentration per Run	41.0943 ppm	3.7777 ppm	0.0031 ppm	3.2948 ppm	0.6680 ppm	0.5971 ppm	0.0021 ppm
Concentration per Run	41.0561 ppm	3.7124 ppm	0.0042 ppm	3.2409 ppm	0.6647 ppm	0.5992 ppm	-0.0060 ppm
Concentration per Run	40.7724 ppm	3.7291 ppm	0.0040 ppm	3.2281 ppm	0.6620 ppm	0.5997 ppm	0.0063 ppm
Concentration RSD	0.4 %	0.9 %	15.7 %	1.1 %	0.5 %	0.2 %	782.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0013 ppm	6.0262 ppm	0.0232 ppm	0.1708 ppm	3.4668 ppm	-0.0001 ppm	0.2186 ppm
Concentration per Run	-0.0009 ppm	6.0645 ppm	0.0237 ppm	0.1719 ppm	3.4725 ppm	-0.0017 ppm	0.2194 ppm
Concentration per Run	-0.0035 ppm	6.0424 ppm	0.0232 ppm	0.1698 ppm	3.4773 ppm	-0.0003 ppm	0.2195 ppm
Concentration per Run	0.0006 ppm	5.9716 ppm	0.0227 ppm	0.1707 ppm	3.4507 ppm	0.0018 ppm	0.2169 ppm
Concentration RSD	166.6 %	0.8 %	2.2 %	0.6 %	0.4 %	2,440.9 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6660 ppm	98.5651 %	103.5727 %	98.8266 %	102.4886 %	113.2834 %	108.8486 %
Concentration per Run	0.6634 ppm	97.0530 %	102.4580 %	99.0486 %	101.6321 %	113.6164 %	109.2720 %
Concentration per Run	0.6711 ppm	97.9692 %	105.4105 %	98.3318 %	101.2997 %	114.7732 %	108.2969 %
Concentration per Run	0.6636 ppm	100.6732 %	102.8496 %	99.0993 %	104.5340 %	111.4607 %	108.9770 %
Concentration RSD	0.7 %	1.9 %	1.5 %	0.4 %	1.7 %	1.5 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557703-02d2 WG2117170
 Analysis started at: 9/24/2025 10:02:04 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 5

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	62.2641 ppm	0.0199 ppm	0.0160 ppm	0.4497 ppm	0.0043 ppm	21.1940 ppm
Concentration per Run	0.0006 ppm	62.3980 ppm	0.0184 ppm	0.0174 ppm	0.4504 ppm	0.0043 ppm	21.2560 ppm
Concentration per Run	0.0004 ppm	62.1828 ppm	0.0245 ppm	0.0164 ppm	0.4495 ppm	0.0043 ppm	21.1778 ppm
Concentration per Run	-0.0006 ppm	62.2115 ppm	0.0169 ppm	0.0144 ppm	0.4494 ppm	0.0042 ppm	21.1483 ppm
Concentration RSD	424.6 %	0.2 %	20.3 %	9.6 %	0.1 %	0.4 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0014 ppm	0.0780 ppm	0.1466 ppm	0.2038 ppm	130.0600 ppm	15.0247 ppm	0.0895 ppm
Concentration per Run	0.0012 ppm	0.0783 ppm	0.1469 ppm	0.2044 ppm	130.7164 ppm	14.9776 ppm	0.0901 ppm
Concentration per Run	0.0016 ppm	0.0773 ppm	0.1464 ppm	0.2033 ppm	130.2031 ppm	15.1049 ppm	0.0885 ppm
Concentration per Run	0.0015 ppm	0.0785 ppm	0.1464 ppm	0.2036 ppm	129.2605 ppm	14.9916 ppm	0.0899 ppm
Concentration RSD	13.7 %	0.8 %	0.2 %	0.3 %	0.6 %	0.5 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	43.5045 ppm	3.8647 ppm	0.0023 ppm	4.2592 ppm	0.7867 ppm	0.2303 ppm	-0.0022 ppm
Concentration per Run	43.4714 ppm	3.8605 ppm	0.0017 ppm	4.2063 ppm	0.7842 ppm	0.2314 ppm	-0.0022 ppm
Concentration per Run	43.5779 ppm	3.8669 ppm	0.0025 ppm	4.2684 ppm	0.7863 ppm	0.2317 ppm	-0.0008 ppm
Concentration per Run	43.4643 ppm	3.8666 ppm	0.0028 ppm	4.3027 ppm	0.7895 ppm	0.2280 ppm	-0.0036 ppm
Concentration RSD	0.1 %	0.1 %	24.9 %	1.1 %	0.3 %	0.9 %	66.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	4.7734 ppm	0.0119 ppm	0.1293 ppm	3.3921 ppm	-0.0004 ppm	0.2077 ppm
Concentration per Run	0.0014 ppm	4.7715 ppm	0.0110 ppm	0.1294 ppm	3.3872 ppm	-0.0013 ppm	0.2072 ppm
Concentration per Run	0.0001 ppm	4.7696 ppm	0.0121 ppm	0.1297 ppm	3.4025 ppm	0.0001 ppm	0.2072 ppm
Concentration per Run	0.0047 ppm	4.7791 ppm	0.0127 ppm	0.1287 ppm	3.3866 ppm	-0.0001 ppm	0.2087 ppm
Concentration RSD	114.8 %	0.1 %	7.5 %	0.4 %	0.3 %	163.6 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4761 ppm	100.9837 %	104.5458 %	99.3135 %	104.1213 %	112.2829 %	108.3015 %
Concentration per Run	0.4766 ppm	100.7462 %	106.3575 %	99.6373 %	103.8131 %	112.2626 %	108.6641 %
Concentration per Run	0.4760 ppm	100.8267 %	104.8236 %	99.0274 %	103.5117 %	112.7936 %	108.2308 %
Concentration per Run	0.4756 ppm	101.3782 %	102.4565 %	99.2759 %	105.0391 %	111.7924 %	108.0095 %
Concentration RSD	0.1 %	0.3 %	1.9 %	0.3 %	0.8 %	0.4 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557725-01d2 WG2117170
 Analysis started at: 9/24/2025 10:04:09 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 6

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0047 ppm	45.0907 ppm	0.2275 ppm	0.2022 ppm	0.1859 ppm	0.0053 ppm	18.9414 ppm
Concentration per Run	0.0040 ppm	45.3101 ppm	0.2303 ppm	0.2029 ppm	0.1862 ppm	0.0052 ppm	19.0619 ppm
Concentration per Run	0.0056 ppm	45.0267 ppm	0.2262 ppm	0.2005 ppm	0.1864 ppm	0.0053 ppm	18.8669 ppm
Concentration per Run	0.0044 ppm	44.9354 ppm	0.2259 ppm	0.2031 ppm	0.1852 ppm	0.0052 ppm	18.8954 ppm
Concentration RSD	17.5 %	0.4 %	1.1 %	0.7 %	0.4 %	0.4 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0025 ppm	0.0337 ppm	0.2715 ppm	0.3186 ppm	337.8330 ppm	15.4974 ppm	0.0737 ppm
Concentration per Run	0.0027 ppm	0.0332 ppm	0.2721 ppm	0.3180 ppm	338.4533 ppm	15.4919 ppm	0.0754 ppm
Concentration per Run	0.0024 ppm	0.0338 ppm	0.2712 ppm	0.3182 ppm	338.1231 ppm	15.5658 ppm	0.0723 ppm
Concentration per Run	0.0024 ppm	0.0342 ppm	0.2714 ppm	0.3196 ppm	336.9225 ppm	15.4344 ppm	0.0733 ppm
Concentration RSD	6.0 %	1.5 %	0.2 %	0.3 %	0.2 %	0.4 %	2.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	25.9550 ppm	1.7456 ppm	0.0084 ppm	69.3341 ppm	0.1133 ppm	0.3705 ppm	-0.0041 ppm
Concentration per Run	26.0497 ppm	1.7521 ppm	0.0090 ppm	69.3355 ppm	0.1138 ppm	0.3712 ppm	0.0002 ppm
Concentration per Run	25.9808 ppm	1.7480 ppm	0.0081 ppm	69.7362 ppm	0.1124 ppm	0.3719 ppm	-0.0043 ppm
Concentration per Run	25.8345 ppm	1.7368 ppm	0.0080 ppm	68.9307 ppm	0.1137 ppm	0.3683 ppm	-0.0083 ppm
Concentration RSD	0.4 %	0.5 %	6.6 %	0.6 %	0.7 %	0.5 %	103.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0098 ppm	9.6537 ppm	0.0270 ppm	0.4401 ppm	0.8954 ppm	0.0001 ppm	0.3310 ppm
Concentration per Run	0.0087 ppm	9.6800 ppm	0.0270 ppm	0.4375 ppm	0.8959 ppm	0.0005 ppm	0.3311 ppm
Concentration per Run	0.0092 ppm	9.6409 ppm	0.0254 ppm	0.4393 ppm	0.8961 ppm	0.0013 ppm	0.3304 ppm
Concentration per Run	0.0116 ppm	9.6400 ppm	0.0287 ppm	0.4435 ppm	0.8943 ppm	-0.0015 ppm	0.3315 ppm
Concentration RSD	16.2 %	0.2 %	6.3 %	0.7 %	0.1 %	1,217.2 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0398 ppm	100.9445 %	106.6347 %	98.0648 %	103.5430 %	109.7070 %	108.8571 %
Concentration per Run	1.0435 ppm	100.2227 %	106.1374 %	98.4555 %	102.2451 %	108.5283 %	109.2099 %
Concentration per Run	1.0366 ppm	100.9089 %	106.9877 %	98.2494 %	103.8828 %	111.5502 %	109.0604 %
Concentration per Run	1.0394 ppm	101.7019 %	106.7790 %	97.4896 %	104.5010 %	109.0424 %	108.3011 %
Concentration RSD	0.3 %	0.7 %	0.4 %	0.5 %	1.1 %	1.5 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557852-02d2 WG2117170
 Analysis started at: 9/24/2025 10:06:15 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 7

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0013 ppm	103.7694 ppm	0.2523 ppm	0.0316 ppm	0.8363 ppm	0.0059 ppm	182.5659 ppm
Concentration per Run	0.0014 ppm	103.6697 ppm	0.2540 ppm	0.0333 ppm	0.8353 ppm	0.0059 ppm	182.4993 ppm
Concentration per Run	0.0015 ppm	103.6846 ppm	0.2468 ppm	0.0327 ppm	0.8411 ppm	0.0059 ppm	182.5992 ppm
Concentration per Run	0.0011 ppm	103.9538 ppm	0.2561 ppm	0.0288 ppm	0.8324 ppm	0.0059 ppm	182.5993 ppm
Concentration RSD	18.0 %	0.2 %	1.9 %	7.8 %	0.5 %	0.4 %	0.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0007 ppm	0.0766 ppm	0.1532 ppm	0.3150 ppm	271.1728 ppm	8.8723 ppm	0.1998 ppm
Concentration per Run	-0.0007 ppm	0.0764 ppm	0.1530 ppm	0.3159 ppm	271.5535 ppm	8.9034 ppm	0.2018 ppm
Concentration per Run	-0.0007 ppm	0.0758 ppm	0.1530 ppm	0.3131 ppm	270.9228 ppm	8.8997 ppm	0.1998 ppm
Concentration per Run	-0.0006 ppm	0.0776 ppm	0.1536 ppm	0.3160 ppm	271.0423 ppm	8.8137 ppm	0.1979 ppm
Concentration RSD	4.4 %	1.2 %	0.2 %	0.5 %	0.1 %	0.6 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	49.5534 ppm	2.4344 ppm	0.0100 ppm	1.8487 ppm	0.1880 ppm	0.2718 ppm	-0.0022 ppm
Concentration per Run	49.5407 ppm	2.4334 ppm	0.0099 ppm	1.8646 ppm	0.1882 ppm	0.2741 ppm	-0.0002 ppm
Concentration per Run	49.3078 ppm	2.4344 ppm	0.0106 ppm	1.8285 ppm	0.1867 ppm	0.2706 ppm	-0.0010 ppm
Concentration per Run	49.8116 ppm	2.4353 ppm	0.0093 ppm	1.8531 ppm	0.1892 ppm	0.2707 ppm	-0.0053 ppm
Concentration RSD	0.5 %	0.0 %	6.7 %	1.0 %	0.7 %	0.7 %	126.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0118 ppm	6.6928 ppm	0.0194 ppm	0.4321 ppm	1.2412 ppm	0.0011 ppm	0.2184 ppm
Concentration per Run	0.0134 ppm	6.6816 ppm	0.0198 ppm	0.4306 ppm	1.2402 ppm	0.0012 ppm	0.2179 ppm
Concentration per Run	0.0084 ppm	6.6481 ppm	0.0184 ppm	0.4343 ppm	1.2384 ppm	0.0030 ppm	0.2175 ppm
Concentration per Run	0.0135 ppm	6.7486 ppm	0.0200 ppm	0.4314 ppm	1.2450 ppm	-0.0010 ppm	0.2197 ppm
Concentration RSD	24.6 %	0.8 %	4.4 %	0.5 %	0.3 %	192.2 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5492 ppm	98.9782 %	108.3972 %	95.5051 %	104.6196 %	115.2612 %	110.2002 %
Concentration per Run	0.5488 ppm	97.7015 %	107.8565 %	95.4968 %	102.9601 %	115.6378 %	110.2858 %
Concentration per Run	0.5480 ppm	99.2470 %	109.3177 %	95.7716 %	104.5985 %	114.4230 %	110.3905 %
Concentration per Run	0.5507 ppm	99.9862 %	108.0174 %	95.2469 %	106.3001 %	115.7228 %	109.9242 %
Concentration RSD	0.3 %	1.2 %	0.7 %	0.3 %	1.6 %	0.6 %	0.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557852-04d2 WG2117170
 Analysis started at: 9/24/2025 10:08:21 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 8

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	21.3010 ppm	0.1327 ppm	0.0146 ppm	0.2278 ppm	0.0022 ppm	7.2600 ppm
Concentration per Run	0.0007 ppm	20.9873 ppm	0.1332 ppm	0.0119 ppm	0.2247 ppm	0.0022 ppm	7.1632 ppm
Concentration per Run	0.0005 ppm	21.4759 ppm	0.1320 ppm	0.0149 ppm	0.2301 ppm	0.0023 ppm	7.3117 ppm
Concentration per Run	0.0013 ppm	21.4397 ppm	0.1327 ppm	0.0171 ppm	0.2286 ppm	0.0022 ppm	7.3050 ppm
Concentration RSD	44.8 %	1.3 %	0.5 %	18.1 %	1.2 %	1.9 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	0.0160 ppm	0.0282 ppm	0.1103 ppm	113.5346 ppm	2.0722 ppm	0.0648 ppm
Concentration per Run	-0.0001 ppm	0.0157 ppm	0.0285 ppm	0.1091 ppm	111.7529 ppm	2.0317 ppm	0.0650 ppm
Concentration per Run	-0.0004 ppm	0.0161 ppm	0.0279 ppm	0.1109 ppm	115.0845 ppm	2.0766 ppm	0.0640 ppm
Concentration per Run	-0.0001 ppm	0.0163 ppm	0.0280 ppm	0.1108 ppm	113.7665 ppm	2.1081 ppm	0.0654 ppm
Concentration RSD	102.3 %	1.9 %	1.2 %	0.9 %	1.5 %	1.9 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	2.6395 ppm	0.1714 ppm	0.0236 ppm	7.0128 ppm	0.0412 ppm	0.0820 ppm	0.0009 ppm
Concentration per Run	2.6160 ppm	0.1697 ppm	0.0233 ppm	6.8927 ppm	0.0407 ppm	0.0818 ppm	0.0042 ppm
Concentration per Run	2.6452 ppm	0.1722 ppm	0.0235 ppm	7.0960 ppm	0.0418 ppm	0.0824 ppm	-0.0020 ppm
Concentration per Run	2.6573 ppm	0.1723 ppm	0.0240 ppm	7.0497 ppm	0.0411 ppm	0.0817 ppm	0.0003 ppm
Concentration RSD	0.8 %	0.9 %	1.6 %	1.5 %	1.3 %	0.5 %	364.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0098 ppm	4.5645 ppm	0.0102 ppm	0.1741 ppm	0.8836 ppm	0.0004 ppm	0.0582 ppm
Concentration per Run	0.0094 ppm	4.5413 ppm	0.0088 ppm	0.1716 ppm	0.8754 ppm	0.0000 ppm	0.0579 ppm
Concentration per Run	0.0083 ppm	4.5473 ppm	0.0114 ppm	0.1759 ppm	0.8844 ppm	0.0008 ppm	0.0582 ppm
Concentration per Run	0.0116 ppm	4.6048 ppm	0.0104 ppm	0.1747 ppm	0.8910 ppm	0.0003 ppm	0.0586 ppm
Concentration RSD	17.2 %	0.8 %	12.7 %	1.3 %	0.9 %	110.2 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4452 ppm	99.4416 %	100.9397 %	99.7050 %	99.0907 %	101.8787 %	103.3275 %
Concentration per Run	0.4402 ppm	101.2931 %	101.8104 %	99.4754 %	100.9296 %	101.7365 %	102.9585 %
Concentration per Run	0.4455 ppm	98.3454 %	99.9066 %	99.3199 %	98.2084 %	102.2057 %	103.1251 %
Concentration per Run	0.4498 ppm	98.6863 %	101.1021 %	100.3196 %	98.1342 %	101.6938 %	103.8989 %
Concentration RSD	1.1 %	1.6 %	1.0 %	0.5 %	1.6 %	0.3 %	0.5 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: eL2558429-02d2 WG2117170
 Analysis started at: 9/24/2025 10:10:27 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 9

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0013 ppm	154.8274 ppm	0.5458 ppm	0.0571 ppm	0.4136 ppm	0.0177 ppm	7.9154 ppm
Concentration per Run	-0.0007 ppm	153.5249 ppm	0.5426 ppm	0.0561 ppm	0.4116 ppm	0.0176 ppm	7.8623 ppm
Concentration per Run	0.0002 ppm	155.3151 ppm	0.5473 ppm	0.0580 ppm	0.4145 ppm	0.0178 ppm	7.9556 ppm
Concentration per Run	-0.0033 ppm	155.6420 ppm	0.5476 ppm	0.0573 ppm	0.4147 ppm	0.0177 ppm	7.9281 ppm
Concentration RSD	143.4 %	0.7 %	0.5 %	1.7 %	0.4 %	0.6 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	0.1205 ppm	0.5974 ppm	0.0528 ppm	850.2083 [SIC 800]	20.9009 ppm	0.0647 ppm
Concentration per Run	-0.0001 ppm	0.1189 ppm	0.5916 ppm	0.0546 ppm	842.8692 ppm	20.6698 ppm	0.0654 ppm
Concentration per Run	-0.0002 ppm	0.1197 ppm	0.5946 ppm	0.0516 ppm	854.6092 ppm	20.9866 ppm	0.0654 ppm
Concentration per Run	-0.0003 ppm	0.1227 ppm	0.6059 ppm	0.0521 ppm	853.1464 ppm	21.0462 ppm	0.0634 ppm
Concentration RSD	44.8 %	1.7 %	1.3 %	3.0 %	0.8 %	1.0 %	1.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	14.7718 ppm	3.0172 ppm	0.0010 ppm	0.3179 ppm	0.2436 ppm	0.1545 ppm	-0.0054 ppm
Concentration per Run	14.5754 ppm	2.9885 ppm	0.0016 ppm	0.3227 ppm	0.2426 ppm	0.1521 ppm	-0.0019 ppm
Concentration per Run	14.7861 ppm	3.0105 ppm	0.0007 ppm	0.3173 ppm	0.2426 ppm	0.1540 ppm	-0.0052 ppm
Concentration per Run	14.9537 ppm	3.0526 ppm	0.0007 ppm	0.3137 ppm	0.2455 ppm	0.1574 ppm	-0.0090 ppm
Concentration RSD	1.3 %	1.1 %	54.8 %	1.4 %	0.7 %	1.7 %	65.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0006 ppm	3.9497 ppm	0.0121 ppm	0.0506 ppm	0.9977 ppm	-0.0014 ppm	1.4759 ppm
Concentration per Run	-0.0047 ppm	3.9036 ppm	0.0116 ppm	0.0502 ppm	0.9787 ppm	-0.0028 ppm	1.4480 ppm
Concentration per Run	0.0015 ppm	3.9425 ppm	0.0147 ppm	0.0508 ppm	1.0005 ppm	-0.0010 ppm	1.4829 ppm
Concentration per Run	0.0048 ppm	4.0030 ppm	0.0102 ppm	0.0507 ppm	1.0139 ppm	-0.0005 ppm	1.4969 ppm
Concentration RSD	849.4 %	1.3 %	19.3 %	0.7 %	1.8 %	83.1 %	1.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1681 ppm	97.4572 %	106.7222 %	93.1090 %	111.8340 %	129.3684 %	119.1405 %
Concentration per Run	1.1564 ppm	98.0013 %	107.3678 %	93.2506 %	111.9410 %	129.7284 %	118.9518 %
Concentration per Run	1.1643 ppm	98.2500 %	106.4929 %	94.0583 %	112.6552 %	130.1981 %	120.5336 %
Concentration per Run	1.1836 ppm	96.1202 %	106.3061 %	92.0181 %	110.9057 %	128.1788 %	117.9359 %
Concentration RSD	1.2 %	1.2 %	0.5 %	1.1 %	0.8 %	0.8 %	1.1 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558429-03d2 WG2117170
 Analysis started at: 9/24/2025 10:12:33 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 10

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	111.0116 ppm	0.0443 ppm	0.0094 ppm	0.2151 ppm	0.0031 ppm	2.8961 ppm
Concentration per Run	0.0003 ppm	110.2983 ppm	0.0456 ppm	0.0111 ppm	0.2138 ppm	0.0031 ppm	2.9006 ppm
Concentration per Run	0.0011 ppm	111.0170 ppm	0.0433 ppm	0.0084 ppm	0.2136 ppm	0.0031 ppm	2.8808 ppm
Concentration per Run	0.0017 ppm	111.7194 ppm	0.0441 ppm	0.0088 ppm	0.2179 ppm	0.0031 ppm	2.9069 ppm
Concentration RSD	65.1 %	0.6 %	2.6 %	15.7 %	1.1 %	0.6 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	0.0805 ppm	0.1017 ppm	0.0451 ppm	151.7689 ppm	3.4832 ppm	0.0153 ppm
Concentration per Run	-0.0002 ppm	0.0801 ppm	0.1006 ppm	0.0445 ppm	149.9016 ppm	3.4698 ppm	0.0181 ppm
Concentration per Run	-0.0005 ppm	0.0798 ppm	0.1022 ppm	0.0448 ppm	151.6693 ppm	3.4591 ppm	0.0128 ppm
Concentration per Run	-0.0002 ppm	0.0815 ppm	0.1024 ppm	0.0460 ppm	153.7358 ppm	3.5208 ppm	0.0150 ppm
Concentration RSD	43.9 %	1.1 %	1.0 %	1.8 %	1.3 %	0.9 %	17.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.0966 ppm	1.3781 ppm	0.0025 ppm	0.1332 ppm	0.0451 ppm	0.0687 ppm	-0.0082 ppm
Concentration per Run	3.0752 ppm	1.3673 ppm	0.0022 ppm	0.1293 ppm	0.0457 ppm	0.0690 ppm	-0.0053 ppm
Concentration per Run	3.1174 ppm	1.3813 ppm	0.0028 ppm	0.1361 ppm	0.0458 ppm	0.0687 ppm	-0.0091 ppm
Concentration per Run	3.0973 ppm	1.3857 ppm	0.0024 ppm	0.1343 ppm	0.0438 ppm	0.0684 ppm	-0.0103 ppm
Concentration RSD	0.7 %	0.7 %	11.8 %	2.6 %	2.5 %	0.4 %	31.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0004 ppm	5.7169 ppm	0.0066 ppm	0.0416 ppm	0.9028 ppm	-0.0023 ppm	0.2302 ppm
Concentration per Run	0.0006 ppm	5.6757 ppm	0.0071 ppm	0.0413 ppm	0.8971 ppm	-0.0040 ppm	0.2283 ppm
Concentration per Run	0.0008 ppm	5.7513 ppm	0.0072 ppm	0.0415 ppm	0.9078 ppm	-0.0010 ppm	0.2318 ppm
Concentration per Run	-0.0003 ppm	5.7237 ppm	0.0053 ppm	0.0420 ppm	0.9036 ppm	-0.0019 ppm	0.2306 ppm
Concentration RSD	164.3 %	0.7 %	16.4 %	0.9 %	0.6 %	67.1 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0975 ppm	101.8042 %	107.0814 %	101.2971 %	99.2665 %	108.9886 %	104.9317 %
Concentration per Run	0.0977 ppm	101.1451 %	106.6929 %	100.4186 %	98.8989 %	109.1116 %	103.9720 %
Concentration per Run	0.0973 ppm	101.3306 %	107.8885 %	101.6003 %	99.0598 %	110.3659 %	105.3258 %
Concentration per Run	0.0976 ppm	102.9369 %	106.6628 %	101.8725 %	99.8408 %	107.4882 %	105.4973 %
Concentration RSD	0.2 %	1.0 %	0.7 %	0.8 %	0.5 %	1.3 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558429-04d2 WG2117170
 Analysis started at: 9/24/2025 10:14:39 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 11

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	80.7115 ppm	0.0423 ppm	0.0121 ppm	0.1698 ppm	0.0027 ppm	2.9201 ppm
Concentration per Run	0.0016 ppm	80.8522 ppm	0.0435 ppm	0.0138 ppm	0.1707 ppm	0.0027 ppm	2.9482 ppm
Concentration per Run	0.0003 ppm	81.0439 ppm	0.0410 ppm	0.0117 ppm	0.1701 ppm	0.0027 ppm	2.9194 ppm
Concentration per Run	0.0010 ppm	80.2385 ppm	0.0424 ppm	0.0109 ppm	0.1685 ppm	0.0027 ppm	2.8927 ppm
Concentration RSD	70.2 %	0.5 %	3.0 %	12.6 %	0.7 %	0.7 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0357 ppm	0.1127 ppm	0.0402 ppm	119.3460 ppm	3.7207 ppm	0.0204 ppm
Concentration per Run	-0.0001 ppm	0.0356 ppm	0.1126 ppm	0.0410 ppm	119.6933 ppm	3.7610 ppm	0.0225 ppm
Concentration per Run	-0.0001 ppm	0.0359 ppm	0.1131 ppm	0.0393 ppm	119.8119 ppm	3.7508 ppm	0.0187 ppm
Concentration per Run	0.0000 ppm	0.0355 ppm	0.1124 ppm	0.0403 ppm	118.5328 ppm	3.6503 ppm	0.0199 ppm
Concentration RSD	62.0 %	0.6 %	0.3 %	2.2 %	0.6 %	1.6 %	9.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.8503 ppm	0.8677 ppm	0.0027 ppm	0.1370 ppm	0.0394 ppm	0.0524 ppm	0.0019 ppm
Concentration per Run	3.7917 ppm	0.8700 ppm	0.0027 ppm	0.1379 ppm	0.0387 ppm	0.0538 ppm	0.0049 ppm
Concentration per Run	3.9095 ppm	0.8709 ppm	0.0027 ppm	0.1432 ppm	0.0404 ppm	0.0520 ppm	0.0021 ppm
Concentration per Run	3.8497 ppm	0.8621 ppm	0.0026 ppm	0.1298 ppm	0.0390 ppm	0.0516 ppm	-0.0013 ppm
Concentration RSD	1.5 %	0.6 %	2.1 %	4.9 %	2.4 %	2.2 %	162.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0001 ppm	6.1301 ppm	0.0062 ppm	0.0329 ppm	0.8518 ppm	-0.0003 ppm	0.1973 ppm
Concentration per Run	-0.0001 ppm	6.0423 ppm	0.0070 ppm	0.0332 ppm	0.8383 ppm	-0.0019 ppm	0.1952 ppm
Concentration per Run	0.0036 ppm	6.2183 ppm	0.0063 ppm	0.0331 ppm	0.8661 ppm	0.0015 ppm	0.1999 ppm
Concentration per Run	-0.0039 ppm	6.1297 ppm	0.0054 ppm	0.0324 ppm	0.8509 ppm	-0.0005 ppm	0.1967 ppm
Concentration RSD	3,460.6 %	1.4 %	12.9 %	1.2 %	1.6 %	606.3 %	1.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0987 ppm	101.7433 %	103.5351 %	100.0816 %	99.4648 %	104.9010 %	103.1728 %
Concentration per Run	0.0981 ppm	102.9726 %	103.8841 %	99.6667 %	100.4684 %	105.5560 %	102.8321 %
Concentration per Run	0.0995 ppm	100.7893 %	101.9389 %	100.0552 %	98.5212 %	103.3453 %	103.1692 %
Concentration per Run	0.0985 ppm	101.4681 %	104.7823 %	100.5230 %	99.4047 %	105.8018 %	103.5171 %
Concentration RSD	0.7 %	1.1 %	1.4 %	0.4 %	1.0 %	1.3 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557605-02d10 WG2117170
 Analysis started at: 9/24/2025 10:16:45 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 12

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	16.4598 ppm	0.0048 ppm	0.1349 ppm	0.2200 ppm	0.0005 ppm	207.2897 ppm
Concentration per Run	-0.0002 ppm	16.4288 ppm	0.0037 ppm	0.1363 ppm	0.2178 ppm	0.0005 ppm	206.7966 ppm
Concentration per Run	0.0005 ppm	16.5733 ppm	0.0047 ppm	0.1350 ppm	0.2224 ppm	0.0006 ppm	208.8837 ppm
Concentration per Run	-0.0004 ppm	16.3772 ppm	0.0059 ppm	0.1335 ppm	0.2198 ppm	0.0005 ppm	206.1887 ppm
Concentration RSD	1,795.1 %	0.6 %	22.8 %	1.0 %	1.1 %	10.3 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0021 ppm	0.0023 ppm	0.0245 ppm	0.0792 ppm	12.1009 ppm	7.1155 ppm	0.0277 ppm
Concentration per Run	0.0022 ppm	0.0026 ppm	0.0250 ppm	0.0794 ppm	12.0368 ppm	7.0613 ppm	0.0291 ppm
Concentration per Run	0.0021 ppm	0.0016 ppm	0.0241 ppm	0.0793 ppm	12.2251 ppm	7.1895 ppm	0.0255 ppm
Concentration per Run	0.0020 ppm	0.0028 ppm	0.0244 ppm	0.0791 ppm	12.0408 ppm	7.0957 ppm	0.0286 ppm
Concentration RSD	4.0 %	29.1 %	1.8 %	0.2 %	0.9 %	0.9 %	7.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	8.9900 ppm	0.2680 ppm	0.0018 ppm	4.6493 ppm	0.0122 ppm	0.2127 ppm	0.0010 ppm
Concentration per Run	9.0409 ppm	0.2679 ppm	0.0025 ppm	4.6651 ppm	0.0127 ppm	0.2135 ppm	-0.0005 ppm
Concentration per Run	8.9758 ppm	0.2700 ppm	0.0014 ppm	4.7004 ppm	0.0121 ppm	0.2122 ppm	0.0040 ppm
Concentration per Run	8.9532 ppm	0.2660 ppm	0.0016 ppm	4.5823 ppm	0.0119 ppm	0.2123 ppm	-0.0005 ppm
Concentration RSD	0.5 %	0.7 %	33.2 %	1.3 %	3.5 %	0.3 %	251.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0004 ppm	2.3601 ppm	0.0074 ppm	1.4684 ppm	0.6141 ppm	0.0005 ppm	0.0163 ppm
Concentration per Run	-0.0045 ppm	2.3633 ppm	0.0097 ppm	1.4552 ppm	0.6166 ppm	0.0001 ppm	0.0165 ppm
Concentration per Run	0.0038 ppm	2.3637 ppm	0.0064 ppm	1.4821 ppm	0.6141 ppm	-0.0016 ppm	0.0161 ppm
Concentration per Run	0.0018 ppm	2.3534 ppm	0.0060 ppm	1.4679 ppm	0.6118 ppm	0.0029 ppm	0.0163 ppm
Concentration RSD	1,156.0 %	0.2 %	27.9 %	0.9 %	0.4 %	486.6 %	1.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2200 ppm	97.4204 %	103.2322 %	95.7180 %	94.9987 %	100.7874 %	98.6029 %
Concentration per Run	0.2214 ppm	95.5680 %	103.2130 %	96.6781 %	92.9617 %	101.2031 %	99.7861 %
Concentration per Run	0.2202 ppm	97.6634 %	101.8317 %	96.9633 %	95.2515 %	100.3454 %	99.8171 %
Concentration per Run	0.2182 ppm	99.0297 %	104.6518 %	93.5126 %	96.7830 %	100.8138 %	96.2055 %
Concentration RSD	0.7 %	1.8 %	1.4 %	2.0 %	2.0 %	0.4 %	2.1 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557605-08d10 WG2117170
 Analysis started at: 9/24/2025 10:18:51 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 14

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	14.4613 ppm	0.0107 ppm	0.0253 ppm	0.1163 ppm	0.0006 ppm	228.2576 ppm
Concentration per Run	0.0003 ppm	14.4080 ppm	0.0115 ppm	0.0256 ppm	0.1161 ppm	0.0006 ppm	227.7454 ppm
Concentration per Run	0.0005 ppm	14.6624 ppm	0.0085 ppm	0.0263 ppm	0.1180 ppm	0.0006 ppm	231.5087 ppm
Concentration per Run	0.0002 ppm	14.3136 ppm	0.0120 ppm	0.0242 ppm	0.1149 ppm	0.0006 ppm	225.5186 ppm
Concentration RSD	36.1 %	1.2 %	17.8 %	4.2 %	1.4 %	3.8 %	1.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0021 ppm	0.0069 ppm	0.0698 ppm	0.1125 ppm	14.1024 ppm	3.2694 ppm	0.0216 ppm
Concentration per Run	-0.0022 ppm	0.0068 ppm	0.0688 ppm	0.1127 ppm	14.0414 ppm	3.3129 ppm	0.0231 ppm
Concentration per Run	-0.0021 ppm	0.0068 ppm	0.0707 ppm	0.1127 ppm	14.3446 ppm	3.2912 ppm	0.0195 ppm
Concentration per Run	-0.0021 ppm	0.0070 ppm	0.0699 ppm	0.1121 ppm	13.9211 ppm	3.2040 ppm	0.0223 ppm
Concentration RSD	5.0 %	1.8 %	1.4 %	0.3 %	1.5 %	1.8 %	8.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.3457 ppm	0.1987 ppm	0.0282 ppm	1.6754 ppm	0.0552 ppm	0.0677 ppm	-0.0010 ppm
Concentration per Run	10.3458 ppm	0.1976 ppm	0.0284 ppm	1.6623 ppm	0.0552 ppm	0.0674 ppm	-0.0005 ppm
Concentration per Run	10.3793 ppm	0.2018 ppm	0.0288 ppm	1.6959 ppm	0.0555 ppm	0.0681 ppm	-0.0063 ppm
Concentration per Run	10.3120 ppm	0.1965 ppm	0.0274 ppm	1.6681 ppm	0.0549 ppm	0.0675 ppm	0.0037 ppm
Concentration RSD	0.3 %	1.4 %	2.5 %	1.1 %	0.6 %	0.6 %	490.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0000 ppm	1.1636 ppm	0.0063 ppm	0.3413 ppm	0.6752 ppm	0.0001 ppm	0.1029 ppm
Concentration per Run	0.0036 ppm	1.1696 ppm	0.0055 ppm	0.3399 ppm	0.6746 ppm	0.0022 ppm	0.1025 ppm
Concentration per Run	-0.0046 ppm	1.1585 ppm	0.0075 ppm	0.3464 ppm	0.6766 ppm	-0.0023 ppm	0.1031 ppm
Concentration per Run	0.0010 ppm	1.1625 ppm	0.0058 ppm	0.3378 ppm	0.6745 ppm	0.0003 ppm	0.1031 ppm
Concentration RSD	34,908.2 %	0.5 %	17.5 %	1.3 %	0.2 %	3,619.1 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2351 ppm	98.3265 %	103.1139 %	97.0645 %	95.8437 %	100.2056 %	100.0065 %
Concentration per Run	0.2341 ppm	99.5763 %	103.9109 %	96.7127 %	96.7147 %	99.9469 %	99.4764 %
Concentration per Run	0.2360 ppm	97.4752 %	101.1045 %	96.9046 %	95.3525 %	99.1841 %	99.7705 %
Concentration per Run	0.2354 ppm	97.9280 %	104.3263 %	97.5761 %	95.4639 %	101.4859 %	100.7725 %
Concentration RSD	0.4 %	1.1 %	1.7 %	0.5 %	0.8 %	1.2 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 10:21:30 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5000 ppm	0.4807 ppm	0.4805 ppm	0.4969 ppm	0.4974 ppm	0.5064 ppm	0.5017 ppm
Concentration per Run	0.4953 ppm	0.4778 ppm	0.4793 ppm	0.4907 ppm	0.4963 ppm	0.5019 ppm	0.4983 ppm
Concentration per Run	0.5024 ppm	0.4786 ppm	0.4811 ppm	0.4970 ppm	0.4948 ppm	0.5041 ppm	0.4987 ppm
Concentration per Run	0.5023 ppm	0.4857 ppm	0.4811 ppm	0.5031 ppm	0.5012 ppm	0.5131 ppm	0.5080 ppm
Recovery Percentage	99.996 %	96.140 %	96.103 %	99.384 %	99.484 %	101.271 %	100.335 %
Concentration RSD	0.8 %	0.9 %	0.2 %	1.3 %	0.7 %	1.2 %	1.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5071 ppm	0.5131 ppm	0.5062 ppm	0.5197 ppm	0.4928 ppm	5.2605 ppm	0.5133 ppm
Concentration per Run	0.5026 ppm	0.5086 ppm	0.5004 ppm	0.5137 ppm	0.4873 ppm	5.2152 ppm	0.5074 ppm
Concentration per Run	0.5081 ppm	0.5153 ppm	0.5072 ppm	0.5211 ppm	0.4942 ppm	5.2402 ppm	0.5145 ppm
Concentration per Run	0.5106 ppm	0.5155 ppm	0.5110 ppm	0.5244 ppm	0.4970 ppm	5.3263 ppm	0.5178 ppm
Recovery Percentage	101.421 %	102.624 %	101.245 %	103.948 %	98.568 %	105.211 %	102.653 %
Concentration RSD	0.8 %	0.8 %	1.1 %	1.1 %	1.0 %	1.1 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5074 ppm	0.5017 ppm	0.4900 ppm	10.0456 ppm	0.5211 ppm	0.5059 ppm	0.5103 ppm
Concentration per Run	0.5019 ppm	0.4942 ppm	0.4875 ppm	9.9117 ppm	0.5169 ppm	0.5062 ppm	0.5018 ppm
Concentration per Run	0.5102 ppm	0.5019 ppm	0.4914 ppm	10.0479 ppm	0.5213 ppm	0.5068 ppm	0.5135 ppm
Concentration per Run	0.5102 ppm	0.5090 ppm	0.4909 ppm	10.1772 ppm	0.5250 ppm	0.5048 ppm	0.5155 ppm
Recovery Percentage	101.487 %	100.347 %	97.990 %	100.456 %	104.217 %	101.188 %	102.060 %
Concentration RSD	0.9 %	1.5 %	0.4 %	1.3 %	0.8 %	0.2 %	1.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4825 ppm	5.4073 ppm	0.4910 ppm	0.5003 ppm	0.5030 ppm	0.5039 ppm	0.5124 ppm
Concentration per Run	0.4827 ppm	5.3652 ppm	0.4860 ppm	0.4992 ppm	0.4993 ppm	0.5021 ppm	0.5068 ppm
Concentration per Run	0.4808 ppm	5.4256 ppm	0.4909 ppm	0.4970 ppm	0.5042 ppm	0.5043 ppm	0.5139 ppm
Concentration per Run	0.4839 ppm	5.4311 ppm	0.4961 ppm	0.5046 ppm	0.5055 ppm	0.5051 ppm	0.5165 ppm
Recovery Percentage	96.493 %	102.995 %	98.199 %	100.054 %	100.606 %	100.771 %	102.477 %
Concentration RSD	0.3 %	0.7 %	1.0 %	0.8 %	0.6 %	0.3 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5107 ppm	100.9954 %	107.9493 %	102.2213 %	98.1976 %	103.8725 %	101.3844 %
Concentration per Run	0.5058 ppm	101.8206 %	109.4155 %	101.7954 %	99.0091 %	103.7397 %	101.0096 %
Concentration per Run	0.5117 ppm	100.9838 %	107.6696 %	102.1435 %	98.4704 %	104.1403 %	101.3237 %
Concentration per Run	0.5146 ppm	100.1819 %	106.7627 %	102.7252 %	97.1133 %	103.7375 %	101.8199 %
Recovery Percentage	102.140 %						
Concentration RSD	0.9 %	0.8 %	1.2 %	0.5 %	1.0 %	0.2 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 10:23:36 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	0.0021 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0077 ppm
Concentration per Run	-0.0003 ppm	-0.0077 ppm	0.0016 ppm	0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0018 ppm
Concentration per Run	0.0006 ppm	0.0018 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0146 ppm
Concentration per Run	0.0006 ppm	0.0123 ppm	-0.0004 ppm	-0.0004 ppm	0.0002 ppm	0.0002 ppm	0.0066 ppm
Recovery Percentage	4.430 %	2.141 %	8.285 %	0.442 %	0.335 %	2.372 %	7.677 %
Concentration RSD	166.1 %	467.9 %	260.7 %	392.4 %	453.8 %	61.0 %	84.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0005 ppm	-0.0004 ppm	0.0000 ppm	0.0013 ppm	0.0459 ppm	-0.0005 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0002 ppm	0.0002 ppm	0.0005 ppm	0.0344 ppm	0.0004 ppm
Concentration per Run	-0.0002 ppm	-0.0004 ppm	-0.0004 ppm	0.0000 ppm	0.0028 ppm	0.0654 ppm	-0.0025 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	-0.0009 ppm	-0.0003 ppm	0.0008 ppm	0.0378 ppm	0.0005 ppm
Recovery Percentage	-0.727 %	-2.453 %	-3.513 %	-0.104 %	2.686 %	1.835 %	-10.643 %
Concentration RSD	303.6 %	25.5 %	155.7 %	2,277.1 %	92.6 %	37.1 %	317.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0012 ppm	0.0195 ppm	-0.0005 ppm	0.0003 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0017 ppm	0.0175 ppm	-0.0001 ppm	0.0006 ppm	0.0005 ppm
Concentration per Run	0.0018 ppm	0.0000 ppm	0.0002 ppm	0.0160 ppm	-0.0007 ppm	-0.0007 ppm	-0.0018 ppm
Concentration per Run	-0.0021 ppm	0.0001 ppm	0.0017 ppm	0.0250 ppm	-0.0008 ppm	0.0010 ppm	0.0035 ppm
Recovery Percentage	-0.109 %	1.705 %	2.410 %	0.973 %	-2.199 %	3.131 %	1.480 %
Concentration RSD	1,838.8 %	110.1 %	69.7 %	24.8 %	75.2 %	293.0 %	357.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0038 ppm	-0.0004 ppm	-0.0004 ppm	-0.0001 ppm	0.0003 ppm	-0.0002 ppm	-0.0002 ppm
Concentration per Run	-0.0064 ppm	-0.0022 ppm	-0.0011 ppm	-0.0001 ppm	0.0005 ppm	-0.0009 ppm	-0.0002 ppm
Concentration per Run	-0.0059 ppm	-0.0010 ppm	-0.0007 ppm	-0.0002 ppm	0.0001 ppm	0.0025 ppm	-0.0003 ppm
Concentration per Run	0.0010 ppm	0.0020 ppm	0.0004 ppm	-0.0001 ppm	0.0003 ppm	-0.0023 ppm	0.0000 ppm
Recovery Percentage	-37.568 %	-0.083 %	-0.890 %	-1.039 %	3.161 %	-1.174 %	-1.862 %
Concentration RSD	108.9 %	528.2 %	176.2 %	43.3 %	63.9 %	1,061.3 %	73.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	101.0873 %	102.1788 %	102.9959 %	100.0445 %	100.0709 %	103.3604 %
Concentration per Run	0.0000 ppm	101.6872 %	103.2343 %	103.1886 %	101.1179 %	102.8993 %	103.6187 %
Concentration per Run	0.0002 ppm	101.2813 %	101.9634 %	103.2608 %	100.2114 %	98.2507 %	103.4734 %
Concentration per Run	0.0004 ppm	100.2934 %	101.3385 %	102.5383 %	98.8043 %	99.0629 %	102.9891 %
Recovery Percentage	3.487 %						
Concentration RSD	108.0 %	0.7 %	0.9 %	0.4 %	1.2 %	2.5 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: LDR 1,000 Ca
 Analysis started at: 9/24/2025 10:28:43 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 13

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0010 ppm	-0.0055 ppm	-0.0024 ppm	0.0002 ppm	0.0024 ppm	0.0001 ppm	1,008.5728 [SIC 1000]
Concentration per Run	-0.0011 ppm	-0.0089 ppm	-0.0028 ppm	0.0002 ppm	0.0024 ppm	0.0001 ppm	1,014.9984 ppm
Concentration per Run	-0.0013 ppm	-0.0025 ppm	0.0023 ppm	0.0006 ppm	0.0022 ppm	0.0001 ppm	1,005.9334 ppm
Concentration per Run	-0.0006 ppm	-0.0050 ppm	-0.0065 ppm	-0.0004 ppm	0.0025 ppm	0.0001 ppm	1,004.7868 ppm
Concentration RSD	35.6 %	58.9 %	188.6 %	337.5 %	7.1 %	28.2 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0016 ppm	-0.0004 ppm	0.0002 ppm	0.0008 ppm	0.0014 ppm	0.0387 ppm	0.0531 ppm
Concentration per Run	-0.0015 ppm	-0.0010 ppm	0.0007 ppm	0.0012 ppm	0.0027 ppm	0.0505 ppm	0.0494 ppm
Concentration per Run	-0.0014 ppm	-0.0003 ppm	0.0003 ppm	0.0011 ppm	-0.0009 ppm	0.0357 ppm	0.0521 ppm
Concentration per Run	-0.0018 ppm	0.0001 ppm	-0.0004 ppm	0.0002 ppm	0.0023 ppm	0.0299 ppm	0.0578 ppm
Concentration RSD	14.3 %	141.6 %	265.9 %	66.2 %	144.5 %	27.5 %	8.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0089 ppm	0.0006 ppm	0.0007 ppm	0.0372 ppm	0.0003 ppm	0.0030 ppm	-0.0021 ppm
Concentration per Run	0.0091 ppm	0.0003 ppm	0.0009 ppm	0.0436 ppm	0.0004 ppm	0.0035 ppm	-0.0049 ppm
Concentration per Run	0.0074 ppm	0.0007 ppm	0.0012 ppm	0.0215 ppm	0.0016 ppm	0.0032 ppm	-0.0014 ppm
Concentration per Run	0.0100 ppm	0.0008 ppm	0.0000 ppm	0.0464 ppm	-0.0012 ppm	0.0025 ppm	-0.0002 ppm
Concentration RSD	14.8 %	45.2 %	84.2 %	36.7 %	541.9 %	15.9 %	114.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0008 ppm	0.0046 ppm	-0.0004 ppm	-0.0048 ppm	0.0017 ppm	-0.0002 ppm	0.0006 ppm
Concentration per Run	0.0032 ppm	0.0029 ppm	-0.0008 ppm	-0.0049 ppm	0.0016 ppm	0.0003 ppm	0.0009 ppm
Concentration per Run	0.0007 ppm	0.0052 ppm	0.0016 ppm	-0.0048 ppm	0.0020 ppm	-0.0008 ppm	0.0006 ppm
Concentration per Run	-0.0065 ppm	0.0057 ppm	-0.0020 ppm	-0.0048 ppm	0.0016 ppm	-0.0001 ppm	0.0003 ppm
Concentration RSD	597.8 %	33.2 %	446.2 %	1.3 %	14.2 %	267.7 %	50.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0018 ppm	90.5080 %	97.3749 %	84.9058 %	88.9191 %	94.6510 %	90.9407 %
Concentration per Run	0.0021 ppm	91.0042 %	96.0810 %	84.1759 %	89.4653 %	95.4487 %	90.1914 %
Concentration per Run	0.0014 ppm	90.3947 %	96.6608 %	84.8901 %	88.6632 %	93.3516 %	90.8402 %
Concentration per Run	0.0017 ppm	90.1251 %	99.3830 %	85.6514 %	88.6289 %	95.1527 %	91.7906 %
Concentration RSD	20.5 %	0.5 %	1.8 %	0.9 %	0.5 %	1.2 %	0.9 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2557605-09d10 WG2117170
 Analysis started at: 9/24/2025 10:33:07 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 15

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	20.5857 ppm	0.0108 ppm	0.0308 ppm	0.1056 ppm	0.0007 ppm	258.7286 ppm
Concentration per Run	-0.0004 ppm	20.5521 ppm	0.0081 ppm	0.0315 ppm	0.1056 ppm	0.0007 ppm	257.9964 ppm
Concentration per Run	0.0005 ppm	20.8673 ppm	0.0134 ppm	0.0299 ppm	0.1069 ppm	0.0007 ppm	262.5550 ppm
Concentration per Run	0.0008 ppm	20.3377 ppm	0.0110 ppm	0.0311 ppm	0.1043 ppm	0.0007 ppm	255.6343 ppm
Concentration RSD	186.4 %	1.3 %	24.7 %	2.8 %	1.3 %	6.4 %	1.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0023 ppm	0.0070 ppm	0.0633 ppm	0.1048 ppm	17.2306 ppm	0.7879 ppm	0.0170 ppm
Concentration per Run	-0.0024 ppm	0.0068 ppm	0.0637 ppm	0.1051 ppm	17.1468 ppm	0.8074 ppm	0.0184 ppm
Concentration per Run	-0.0023 ppm	0.0066 ppm	0.0637 ppm	0.1051 ppm	17.4010 ppm	0.7823 ppm	0.0188 ppm
Concentration per Run	-0.0023 ppm	0.0075 ppm	0.0627 ppm	0.1043 ppm	17.1440 ppm	0.7741 ppm	0.0138 ppm
Concentration RSD	0.9 %	6.8 %	0.9 %	0.4 %	0.9 %	2.2 %	16.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	11.8642 ppm	0.2393 ppm	0.0220 ppm	0.4508 ppm	0.0546 ppm	0.0684 ppm	-0.0004 ppm
Concentration per Run	11.8673 ppm	0.2385 ppm	0.0212 ppm	0.4508 ppm	0.0546 ppm	0.0680 ppm	-0.0051 ppm
Concentration per Run	11.8659 ppm	0.2424 ppm	0.0223 ppm	0.4575 ppm	0.0554 ppm	0.0678 ppm	0.0009 ppm
Concentration per Run	11.8595 ppm	0.2369 ppm	0.0225 ppm	0.4440 ppm	0.0537 ppm	0.0694 ppm	0.0030 ppm
Concentration RSD	0.0 %	1.2 %	3.1 %	1.5 %	1.6 %	1.3 %	1,060.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0003 ppm	1.2331 ppm	0.0082 ppm	0.5374 ppm	0.8171 ppm	-0.0002 ppm	0.1040 ppm
Concentration per Run	0.0016 ppm	1.2287 ppm	0.0096 ppm	0.5329 ppm	0.8177 ppm	0.0009 ppm	0.1043 ppm
Concentration per Run	0.0006 ppm	1.2367 ppm	0.0064 ppm	0.5416 ppm	0.8163 ppm	0.0018 ppm	0.1045 ppm
Concentration per Run	-0.0012 ppm	1.2339 ppm	0.0086 ppm	0.5378 ppm	0.8174 ppm	-0.0033 ppm	0.1031 ppm
Concentration RSD	419.4 %	0.3 %	20.2 %	0.8 %	0.1 %	1,383.4 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1745 ppm	98.8935 %	102.6347 %	96.0055 %	96.6340 %	99.4406 %	99.2192 %
Concentration per Run	0.1757 ppm	98.5931 %	103.1643 %	96.1308 %	96.5636 %	100.4397 %	99.3282 %
Concentration per Run	0.1757 ppm	99.1107 %	101.2356 %	95.7472 %	96.7934 %	98.3132 %	98.8995 %
Concentration per Run	0.1720 ppm	98.9767 %	103.5043 %	96.1386 %	96.5451 %	99.5690 %	99.4299 %
Concentration RSD	1.2 %	0.3 %	1.2 %	0.2 %	0.1 %	1.1 %	0.3 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2557605-10d10 WG2117170
 Analysis started at: 9/24/2025 10:35:17 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 16

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	17.2702 ppm	0.0139 ppm	0.0187 ppm	0.1111 ppm	0.0007 ppm	269.7257 ppm
Concentration per Run	0.0007 ppm	17.3866 ppm	0.0117 ppm	0.0168 ppm	0.1122 ppm	0.0007 ppm	271.6332 ppm
Concentration per Run	0.0008 ppm	17.1844 ppm	0.0173 ppm	0.0186 ppm	0.1105 ppm	0.0006 ppm	268.4061 ppm
Concentration per Run	0.0001 ppm	17.2396 ppm	0.0126 ppm	0.0207 ppm	0.1105 ppm	0.0007 ppm	269.1379 ppm
Concentration RSD	66.2 %	0.6 %	21.7 %	10.3 %	0.9 %	7.2 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0025 ppm	0.0076 ppm	0.0782 ppm	0.1313 ppm	16.3410 ppm	2.6390 ppm	0.0162 ppm
Concentration per Run	-0.0025 ppm	0.0082 ppm	0.0782 ppm	0.1316 ppm	16.4093 ppm	2.6670 ppm	0.0137 ppm
Concentration per Run	-0.0026 ppm	0.0078 ppm	0.0785 ppm	0.1308 ppm	16.2915 ppm	2.6362 ppm	0.0185 ppm
Concentration per Run	-0.0024 ppm	0.0069 ppm	0.0780 ppm	0.1315 ppm	16.3223 ppm	2.6139 ppm	0.0164 ppm
Concentration RSD	2.8 %	8.8 %	0.3 %	0.3 %	0.4 %	1.0 %	14.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	11.5154 ppm	0.2332 ppm	0.0263 ppm	0.7517 ppm	0.0648 ppm	0.0822 ppm	-0.0022 ppm
Concentration per Run	11.5143 ppm	0.2356 ppm	0.0272 ppm	0.7592 ppm	0.0646 ppm	0.0839 ppm	-0.0017 ppm
Concentration per Run	11.4985 ppm	0.2328 ppm	0.0261 ppm	0.7492 ppm	0.0650 ppm	0.0828 ppm	-0.0029 ppm
Concentration per Run	11.5334 ppm	0.2313 ppm	0.0257 ppm	0.7468 ppm	0.0647 ppm	0.0801 ppm	-0.0022 ppm
Concentration RSD	0.2 %	0.9 %	2.9 %	0.9 %	0.3 %	2.4 %	26.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0024 ppm	1.4243 ppm	0.0075 ppm	0.3688 ppm	0.7598 ppm	0.0014 ppm	0.1237 ppm
Concentration per Run	-0.0002 ppm	1.4225 ppm	0.0083 ppm	0.3701 ppm	0.7588 ppm	0.0017 ppm	0.1234 ppm
Concentration per Run	-0.0029 ppm	1.4248 ppm	0.0073 ppm	0.3670 ppm	0.7580 ppm	0.0006 ppm	0.1233 ppm
Concentration per Run	-0.0040 ppm	1.4257 ppm	0.0068 ppm	0.3693 ppm	0.7627 ppm	0.0020 ppm	0.1243 ppm
Concentration RSD	83.5 %	0.1 %	10.0 %	0.4 %	0.3 %	49.7 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2107 ppm	100.9853 %	107.4307 %	98.8987 %	98.4245 %	105.1358 %	102.4698 %
Concentration per Run	0.2094 ppm	100.8826 %	106.9152 %	99.0620 %	98.3754 %	104.8925 %	102.5507 %
Concentration per Run	0.2112 ppm	100.8248 %	108.6767 %	98.7544 %	98.4055 %	106.3291 %	102.0443 %
Concentration per Run	0.2114 ppm	101.2484 %	106.7003 %	98.8797 %	98.4926 %	104.1858 %	102.8143 %
Concentration RSD	0.5 %	0.2 %	1.0 %	0.2 %	0.1 %	1.0 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558429-02d10 WG2117170
 Analysis started at: 9/24/2025 10:37:23 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 17

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0012 ppm	30.4099 ppm	0.0976 ppm	0.0115 ppm	0.0811 ppm	0.0035 ppm	1.5621 ppm
Concentration per Run	0.0014 ppm	30.4235 ppm	0.0987 ppm	0.0108 ppm	0.0818 ppm	0.0036 ppm	1.5750 ppm
Concentration per Run	0.0009 ppm	30.5555 ppm	0.0959 ppm	0.0108 ppm	0.0814 ppm	0.0035 ppm	1.5689 ppm
Concentration per Run	0.0014 ppm	30.2508 ppm	0.0982 ppm	0.0129 ppm	0.0803 ppm	0.0035 ppm	1.5423 ppm
Concentration RSD	24.0 %	0.5 %	1.5 %	10.8 %	0.9 %	1.0 %	1.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	0.0233 ppm	0.1162 ppm	0.0120 ppm	186.1244 ppm	4.1429 ppm	0.0121 ppm
Concentration per Run	-0.0002 ppm	0.0241 ppm	0.1163 ppm	0.0123 ppm	186.9050 ppm	4.1977 ppm	0.0136 ppm
Concentration per Run	-0.0004 ppm	0.0228 ppm	0.1164 ppm	0.0118 ppm	186.7170 ppm	4.1575 ppm	0.0115 ppm
Concentration per Run	-0.0004 ppm	0.0229 ppm	0.1158 ppm	0.0119 ppm	184.7511 ppm	4.0734 ppm	0.0111 ppm
Concentration RSD	34.9 %	3.1 %	0.3 %	2.2 %	0.6 %	1.5 %	11.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.0067 ppm	0.6002 ppm	0.0006 ppm	0.0732 ppm	0.0483 ppm	0.0299 ppm	0.0011 ppm
Concentration per Run	3.0137 ppm	0.6015 ppm	0.0011 ppm	0.0691 ppm	0.0479 ppm	0.0316 ppm	-0.0050 ppm
Concentration per Run	3.0048 ppm	0.6031 ppm	0.0005 ppm	0.0746 ppm	0.0490 ppm	0.0278 ppm	0.0004 ppm
Concentration per Run	3.0015 ppm	0.5960 ppm	0.0001 ppm	0.0758 ppm	0.0479 ppm	0.0305 ppm	0.0078 ppm
Concentration RSD	0.2 %	0.6 %	85.6 %	4.8 %	1.3 %	6.5 %	612.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0001 ppm	0.9868 ppm	0.0035 ppm	0.0099 ppm	0.1901 ppm	-0.0017 ppm	0.2840 ppm
Concentration per Run	-0.0019 ppm	0.9882 ppm	0.0026 ppm	0.0101 ppm	0.1906 ppm	-0.0032 ppm	0.2843 ppm
Concentration per Run	-0.0024 ppm	0.9884 ppm	0.0031 ppm	0.0099 ppm	0.1901 ppm	-0.0016 ppm	0.2841 ppm
Concentration per Run	0.0047 ppm	0.9838 ppm	0.0048 ppm	0.0098 ppm	0.1894 ppm	-0.0003 ppm	0.2835 ppm
Concentration RSD	3,495.8 %	0.3 %	33.0 %	1.7 %	0.3 %	86.1 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2296 ppm	101.3754 %	104.8692 %	100.0538 %	101.7813 %	108.4755 %	105.1784 %
Concentration per Run	0.2300 ppm	101.3482 %	104.4130 %	99.3876 %	101.2687 %	105.7568 %	104.2890 %
Concentration per Run	0.2300 ppm	101.5382 %	103.7129 %	101.1475 %	102.0177 %	109.0179 %	106.4829 %
Concentration per Run	0.2286 ppm	101.2398 %	106.4817 %	99.6262 %	102.0575 %	110.6520 %	104.7634 %
Concentration RSD	0.3 %	0.1 %	1.4 %	1.0 %	0.4 %	2.3 %	1.1 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 10:39:41 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4980 ppm	0.4958 ppm	0.4794 ppm	0.4960 ppm	0.5036 ppm	0.5134 ppm	0.5076 ppm
Concentration per Run	0.4984 ppm	0.5009 ppm	0.4825 ppm	0.4929 ppm	0.5063 ppm	0.5191 ppm	0.5184 ppm
Concentration per Run	0.4975 ppm	0.4915 ppm	0.4831 ppm	0.4966 ppm	0.4978 ppm	0.5087 ppm	0.5044 ppm
Concentration per Run	0.4979 ppm	0.4949 ppm	0.4727 ppm	0.4985 ppm	0.5067 ppm	0.5124 ppm	0.5000 ppm
Recovery Percentage	99.591 %	99.156 %	95.884 %	99.198 %	100.719 %	102.683 %	101.520 %
Concentration RSD	0.1 %	1.0 %	1.2 %	0.6 %	1.0 %	1.0 %	1.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5024 ppm	0.5115 ppm	0.5037 ppm	0.5213 ppm	0.5010 ppm	5.3116 ppm	0.5248 ppm
Concentration per Run	0.5020 ppm	0.5093 ppm	0.5006 ppm	0.5193 ppm	0.5091 ppm	5.3872 ppm	0.5323 ppm
Concentration per Run	0.5017 ppm	0.5114 ppm	0.5027 ppm	0.5202 ppm	0.4957 ppm	5.2604 ppm	0.5203 ppm
Concentration per Run	0.5036 ppm	0.5137 ppm	0.5076 ppm	0.5245 ppm	0.4982 ppm	5.2872 ppm	0.5218 ppm
Recovery Percentage	100.485 %	102.295 %	100.733 %	104.265 %	100.201 %	106.232 %	104.960 %
Concentration RSD	0.2 %	0.4 %	0.7 %	0.5 %	1.4 %	1.3 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5043 ppm	0.5071 ppm	0.4870 ppm	10.1811 ppm	0.5176 ppm	0.5000 ppm	0.5128 ppm
Concentration per Run	0.5098 ppm	0.5171 ppm	0.4864 ppm	10.4065 ppm	0.5147 ppm	0.5044 ppm	0.5160 ppm
Concentration per Run	0.5007 ppm	0.4999 ppm	0.4859 ppm	10.0159 ppm	0.5158 ppm	0.5042 ppm	0.5166 ppm
Concentration per Run	0.5025 ppm	0.5042 ppm	0.4888 ppm	10.1209 ppm	0.5224 ppm	0.4914 ppm	0.5057 ppm
Recovery Percentage	100.869 %	101.411 %	97.409 %	101.811 %	103.528 %	99.997 %	102.557 %
Concentration RSD	1.0 %	1.8 %	0.3 %	2.0 %	0.8 %	1.5 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4808 ppm	5.3916 ppm	0.4880 ppm	0.5073 ppm	0.4998 ppm	0.5013 ppm	0.5099 ppm
Concentration per Run	0.4794 ppm	5.3884 ppm	0.4856 ppm	0.5088 ppm	0.4994 ppm	0.5045 ppm	0.5090 ppm
Concentration per Run	0.4896 ppm	5.3979 ppm	0.4875 ppm	0.5030 ppm	0.4995 ppm	0.5087 ppm	0.5097 ppm
Concentration per Run	0.4733 ppm	5.3884 ppm	0.4910 ppm	0.5101 ppm	0.5005 ppm	0.4907 ppm	0.5111 ppm
Recovery Percentage	96.153 %	102.697 %	97.608 %	101.463 %	99.960 %	100.257 %	101.986 %
Concentration RSD	1.7 %	0.1 %	0.6 %	0.8 %	0.1 %	1.9 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5065 ppm	102.3771 %	106.4645 %	105.6013 %	99.8857 %	103.3245 %	104.8876 %
Concentration per Run	0.5063 ppm	101.5915 %	103.3395 %	105.5841 %	98.8414 %	102.9962 %	104.8944 %
Concentration per Run	0.5060 ppm	103.0687 %	107.5061 %	104.6672 %	101.1143 %	102.5395 %	104.0007 %
Concentration per Run	0.5071 ppm	102.4711 %	108.5480 %	106.5527 %	99.7015 %	104.4378 %	105.7677 %
Recovery Percentage	101.294 %						
Concentration RSD	0.1 %	0.7 %	2.6 %	0.9 %	1.1 %	1.0 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 10:46:55 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	0.0061 ppm	0.0003 ppm	-0.0008 ppm	0.0002 ppm	0.0001 ppm	0.0075 ppm
Concentration per Run	0.0000 ppm	0.0103 ppm	-0.0005 ppm	-0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0077 ppm
Concentration per Run	0.0005 ppm	-0.0007 ppm	0.0008 ppm	-0.0049 ppm	0.0005 ppm	0.0001 ppm	0.0017 ppm
Concentration per Run	0.0003 ppm	0.0086 ppm	0.0006 ppm	0.0034 ppm	0.0001 ppm	0.0000 ppm	0.0132 ppm
Recovery Percentage	3.651 %	6.086 %	5.807 %	-2.579 %	2.400 %	1.769 %	7.541 %
Concentration RSD	93.7 %	96.9 %	240.9 %	537.2 %	109.8 %	58.4 %	76.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0005 ppm	0.0001 ppm	-0.0001 ppm	-0.0006 ppm	0.0285 ppm	-0.0020 ppm
Concentration per Run	0.0000 ppm	-0.0011 ppm	0.0005 ppm	-0.0003 ppm	-0.0009 ppm	0.0111 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm	-0.0008 ppm	0.0443 ppm	-0.0036 ppm
Concentration per Run	-0.0001 ppm	-0.0006 ppm	-0.0006 ppm	-0.0003 ppm	0.0000 ppm	0.0301 ppm	-0.0024 ppm
Recovery Percentage	-0.353 %	-2.609 %	0.553 %	-1.072 %	-1.146 %	1.139 %	-40.424 %
Concentration RSD	518.8 %	105.7 %	1,046.8 %	312.7 %	89.1 %	58.4 %	86.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0006 ppm	0.0000 ppm	0.0009 ppm	0.0160 ppm	-0.0001 ppm	0.0003 ppm	-0.0019 ppm
Concentration per Run	0.0015 ppm	0.0002 ppm	0.0008 ppm	0.0203 ppm	0.0001 ppm	0.0024 ppm	-0.0031 ppm
Concentration per Run	-0.0013 ppm	0.0003 ppm	0.0009 ppm	0.0211 ppm	0.0000 ppm	-0.0014 ppm	-0.0028 ppm
Concentration per Run	-0.0018 ppm	-0.0004 ppm	0.0011 ppm	0.0065 ppm	-0.0004 ppm	-0.0003 ppm	0.0003 ppm
Recovery Percentage	-0.556 %	0.278 %	1.855 %	0.798 %	-0.421 %	2.638 %	-3.783 %
Concentration RSD	315.6 %	1,325.0 %	15.2 %	51.5 %	210.5 %	744.5 %	99.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0003 ppm	-0.0028 ppm	-0.0002 ppm	-0.0001 ppm	0.0005 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run	-0.0023 ppm	-0.0007 ppm	-0.0015 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run	-0.0025 ppm	-0.0024 ppm	0.0005 ppm	-0.0003 ppm	0.0006 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run	0.0041 ppm	-0.0052 ppm	0.0003 ppm	0.0000 ppm	0.0008 ppm	-0.0004 ppm	-0.0001 ppm
Recovery Percentage	-2.641 %	-0.553 %	-0.462 %	-1.237 %	4.833 %	-0.108 %	-1.524 %
Concentration RSD	1,422.1 %	83.7 %	481.3 %	114.8 %	77.7 %	1,954.1 %	48.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	103.3396 %	105.7092 %	106.3423 %	102.6594 %	104.2453 %	106.6987 %
Concentration per Run	0.0004 ppm	102.4352 %	106.9825 %	107.3046 %	101.6637 %	106.8321 %	107.5716 %
Concentration per Run	0.0002 ppm	104.0429 %	105.6023 %	104.7862 %	102.9659 %	103.1310 %	104.9661 %
Concentration per Run	0.0004 ppm	103.5408 %	104.5427 %	106.9362 %	103.3486 %	102.7727 %	107.5585 %
Recovery Percentage	6.664 %						
Concentration RSD	40.3 %	0.8 %	1.2 %	1.3 %	0.9 %	2.2 %	1.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118566-1 WG2118566
 Analysis started at: 9/24/2025 10:55:43 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 18

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	0.0091 ppm	-0.0018 ppm	-0.0006 ppm	0.0003 ppm	0.0001 ppm	0.0300 ppm
Concentration per Run	0.0012 ppm	0.0013 ppm	0.0028 ppm	-0.0019 ppm	0.0003 ppm	0.0001 ppm	0.0303 ppm
Concentration per Run	0.0003 ppm	0.0126 ppm	-0.0048 ppm	0.0000 ppm	0.0004 ppm	0.0001 ppm	0.0297 ppm
Concentration per Run	0.0006 ppm	0.0133 ppm	-0.0035 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0299 ppm
Concentration RSD	59.6 %	74.0 %	220.9 %	186.3 %	37.9 %	44.6 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0006 ppm	0.0002 ppm	0.0008 ppm	0.0349 ppm	0.0189 ppm	-0.0012 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	-0.0005 ppm	0.0007 ppm	0.0337 ppm	0.0214 ppm	-0.0024 ppm
Concentration per Run	-0.0001 ppm	-0.0010 ppm	0.0008 ppm	0.0012 ppm	0.0343 ppm	0.0055 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	-0.0005 ppm	0.0003 ppm	0.0003 ppm	0.0368 ppm	0.0298 ppm	-0.0013 ppm
Concentration RSD	250.3 %	80.7 %	344.5 %	56.7 %	4.7 %	65.2 %	109.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0075 ppm	0.0005 ppm	0.0008 ppm	0.0269 ppm	-0.0010 ppm	-0.0002 ppm	0.0032 ppm
Concentration per Run	0.0076 ppm	0.0005 ppm	0.0006 ppm	0.0258 ppm	-0.0015 ppm	0.0003 ppm	-0.0004 ppm
Concentration per Run	0.0065 ppm	0.0004 ppm	0.0009 ppm	0.0229 ppm	0.0002 ppm	-0.0009 ppm	0.0076 ppm
Concentration per Run	0.0084 ppm	0.0006 ppm	0.0009 ppm	0.0320 ppm	-0.0016 ppm	0.0001 ppm	0.0022 ppm
Concentration RSD	12.5 %	11.6 %	19.9 %	17.3 %	107.1 %	401.3 %	128.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0010 ppm	0.0141 ppm	0.0085 ppm	0.0000 ppm	0.0018 ppm	-0.0015 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0146 ppm	0.0093 ppm	0.0000 ppm	0.0018 ppm	-0.0015 ppm	0.0002 ppm
Concentration per Run	-0.0045 ppm	0.0141 ppm	0.0079 ppm	0.0000 ppm	0.0016 ppm	-0.0015 ppm	-0.0001 ppm
Concentration per Run	0.0016 ppm	0.0135 ppm	0.0083 ppm	-0.0001 ppm	0.0021 ppm	-0.0014 ppm	-0.0001 ppm
Concentration RSD	327.2 %	3.9 %	8.6 %	144.3 %	13.1 %	4.0 %	1,094.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0020 ppm	102.0288 %	103.5574 %	100.4688 %	100.9686 %	101.5951 %	102.3098 %
Concentration per Run	0.0023 ppm	101.9021 %	105.5769 %	100.7502 %	100.3232 %	102.8986 %	102.7669 %
Concentration per Run	0.0018 ppm	102.8042 %	102.2801 %	100.4400 %	102.0214 %	100.6825 %	102.1137 %
Concentration per Run	0.0020 ppm	101.3800 %	102.8153 %	100.2163 %	100.5613 %	101.2040 %	102.0488 %
Concentration RSD	12.5 %	0.7 %	1.7 %	0.3 %	0.9 %	1.1 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: WG2118566-2d2 WG2118566
 Analysis started at: 9/24/2025 10:58:00 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 19

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0518 ppm	2.1149 ppm	0.1234 ppm	1.0277 ppm	2.0804 ppm	0.0533 ppm	10.6920 ppm
Concentration per Run	0.0514 ppm	2.1182 ppm	0.1234 ppm	1.0152 ppm	2.0783 ppm	0.0532 ppm	10.7153 ppm
Concentration per Run	0.0523 ppm	2.1120 ppm	0.1251 ppm	1.0379 ppm	2.0864 ppm	0.0534 ppm	10.6795 ppm
Concentration per Run	0.0517 ppm	2.1145 ppm	0.1216 ppm	1.0298 ppm	2.0763 ppm	0.0533 ppm	10.6813 ppm
Concentration RSD	0.9 %	0.1 %	1.4 %	1.1 %	0.3 %	0.2 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0540 ppm	0.5147 ppm	0.2051 ppm	0.2633 ppm	1.0574 ppm	10.8305 ppm	0.0000 ppm
Concentration per Run	0.0535 ppm	0.5113 ppm	0.2032 ppm	0.2630 ppm	1.0575 ppm	10.8413 ppm	0.0005 ppm
Concentration per Run	0.0545 ppm	0.5185 ppm	0.2057 ppm	0.2626 ppm	1.0611 ppm	10.8586 ppm	0.0015 ppm
Concentration per Run	0.0541 ppm	0.5144 ppm	0.2066 ppm	0.2644 ppm	1.0535 ppm	10.7916 ppm	-0.0018 ppm
Concentration RSD	0.9 %	0.7 %	0.8 %	0.4 %	0.4 %	0.3 %	4,409.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.3744 ppm	0.5178 ppm	1.0162 [SIC xx]	10.6893 ppm	0.5249 ppm	0.5508 ppm	0.5200 ppm
Concentration per Run	10.3030 ppm	0.5168 ppm	1.0061 ppm	10.6059 ppm	0.5215 ppm	0.5475 ppm	0.5123 ppm
Concentration per Run	10.4121 ppm	0.5182 ppm	1.0237 ppm	10.6935 ppm	0.5256 ppm	0.5503 ppm	0.5202 ppm
Concentration per Run	10.4082 ppm	0.5184 ppm	1.0186 ppm	10.7685 ppm	0.5275 ppm	0.5544 ppm	0.5275 ppm
Concentration RSD	0.6 %	0.2 %	0.9 %	0.8 %	0.6 %	0.6 %	1.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1255 ppm	1.2225 ppm	1.0023 [SIC xx]	1.0305 ppm	1.0347 ppm	0.1249 ppm	0.5349 ppm
Concentration per Run	0.1261 ppm	1.2176 ppm	0.9959 ppm	1.0315 ppm	1.0252 ppm	0.1247 ppm	0.5308 ppm
Concentration per Run	0.1263 ppm	1.2247 ppm	1.0122 ppm	1.0321 ppm	1.0379 ppm	0.1257 ppm	0.5371 ppm
Concentration per Run	0.1242 ppm	1.2253 ppm	0.9989 ppm	1.0280 ppm	1.0409 ppm	0.1242 ppm	0.5369 ppm
Concentration RSD	0.9 %	0.4 %	0.9 %	0.2 %	0.8 %	0.6 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5185 ppm	100.5056 %	105.5221 %	99.8330 %	98.1127 %	102.3398 %	100.0575 %
Concentration per Run	0.5137 ppm	102.2403 %	105.3287 %	99.6636 %	100.1323 %	100.8373 %	100.1566 %
Concentration per Run	0.5213 ppm	99.1479 %	105.5783 %	99.6987 %	96.6861 %	102.5620 %	100.0806 %
Concentration per Run	0.5204 ppm	100.1285 %	105.6593 %	100.1367 %	97.5196 %	103.6201 %	99.9354 %
Concentration RSD	0.8 %	1.6 %	0.2 %	0.3 %	1.8 %	1.4 %	0.1 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: eL2559451-01d2 WG2118566
 Analysis started at: 9/24/2025 11:00:06 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 20

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0012 ppm	36.0149 ppm	0.0543 ppm	0.0951 ppm	0.4542 ppm	0.0053 ppm	2,677.2581 [SIC 1000]
Concentration per Run	-0.0011 ppm	36.2130 ppm	0.0559 ppm	0.0938 ppm	0.4572 ppm	0.0054 ppm	2,704.0589 ppm
Concentration per Run	-0.0021 ppm	36.0569 ppm	0.0547 ppm	0.0951 ppm	0.4556 ppm	0.0053 ppm	2,684.0921 ppm
Concentration per Run	-0.0004 ppm	35.7748 ppm	0.0522 ppm	0.0966 ppm	0.4499 ppm	0.0052 ppm	2,643.6232 ppm
Concentration RSD	68.0 %	0.6 %	3.5 %	1.5 %	0.8 %	1.6 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0292 ppm	0.0212 ppm	0.0758 ppm	0.0651 ppm	169.7085 ppm	5.6209 ppm	0.2293 ppm
Concentration per Run	-0.0286 ppm	0.0208 ppm	0.0742 ppm	0.0645 ppm	170.7573 ppm	5.6727 ppm	0.2487 ppm
Concentration per Run	-0.0295 ppm	0.0217 ppm	0.0764 ppm	0.0648 ppm	170.0993 ppm	5.6408 ppm	0.2330 ppm
Concentration per Run	-0.0294 ppm	0.0212 ppm	0.0767 ppm	0.0661 ppm	168.2688 ppm	5.5492 ppm	0.2063 ppm
Concentration RSD	1.7 %	2.1 %	1.8 %	1.4 %	0.8 %	1.1 %	9.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	457.7160 ppm	3.8018 ppm	0.0084 ppm	1.0585 ppm	0.0609 ppm	0.1121 ppm	0.0029 ppm
Concentration per Run	456.4050 ppm	3.8420 ppm	0.0085 ppm	1.0593 ppm	0.0610 ppm	0.1115 ppm	-0.0009 ppm
Concentration per Run	457.8082 ppm	3.8084 ppm	0.0084 ppm	1.0648 ppm	0.0594 ppm	0.1120 ppm	0.0019 ppm
Concentration per Run	458.9348 ppm	3.7551 ppm	0.0084 ppm	1.0514 ppm	0.0622 ppm	0.1128 ppm	0.0078 ppm
Concentration RSD	0.3 %	1.2 %	0.7 %	0.6 %	2.3 %	0.6 %	153.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0023 ppm	45.8264 [SIC 100]	0.0082 ppm	3.1629 ppm	0.9600 ppm	0.0010 ppm	0.0903 ppm
Concentration per Run	-0.0003 ppm	45.8245 ppm	0.0088 ppm	3.1872 ppm	0.9630 ppm	0.0035 ppm	0.0904 ppm
Concentration per Run	-0.0015 ppm	45.8698 ppm	0.0106 ppm	3.1744 ppm	0.9590 ppm	-0.0018 ppm	0.0905 ppm
Concentration per Run	-0.0050 ppm	45.7848 ppm	0.0050 ppm	3.1271 ppm	0.9580 ppm	0.0012 ppm	0.0901 ppm
Concentration RSD	108.7 %	0.1 %	35.0 %	1.0 %	0.3 %	271.0 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4047 ppm	87.2678 %	99.4029 %	77.0788 %	87.8126 %	100.7122 %	88.7308 %
Concentration per Run	0.4020 ppm	87.9380 %	98.1340 %	76.0971 %	88.3914 %	99.5408 %	87.7022 %
Concentration per Run	0.4046 ppm	87.1896 %	99.3675 %	77.5606 %	87.7353 %	100.9424 %	89.3732 %
Concentration per Run	0.4076 ppm	86.6757 %	100.7072 %	77.5789 %	87.3111 %	101.6535 %	89.1169 %
Concentration RSD	0.7 %	0.7 %	1.3 %	1.1 %	0.6 %	1.1 %	1.0 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: eWG2118566-3d2 WG2118566
 Analysis started at: 9/24/2025 11:02:13 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 21

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0511 ppm	47.2898 ppm	0.1754 ppm	1.0598 ppm	2.6037 ppm	0.0560 ppm	2,478.0657 [SIC 1000]
Concentration per Run	0.0516 ppm	47.4451 ppm	0.1767 ppm	1.0507 ppm	2.6135 ppm	0.0563 ppm	2,488.3344 ppm
Concentration per Run	0.0505 ppm	46.9307 ppm	0.1752 ppm	1.0613 ppm	2.5770 ppm	0.0556 ppm	2,457.6741 ppm
Concentration per Run	0.0513 ppm	47.4937 ppm	0.1741 ppm	1.0675 ppm	2.6205 ppm	0.0562 ppm	2,488.1886 ppm
Concentration RSD	1.2 %	0.7 %	0.7 %	0.8 %	0.9 %	0.7 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0223 ppm	0.4722 ppm	0.2574 ppm	0.3086 ppm	50.1570 ppm	15.4664 ppm	0.2032 ppm
Concentration per Run	0.0222 ppm	0.4748 ppm	0.2569 ppm	0.3069 ppm	50.3061 ppm	15.5336 ppm	0.1949 ppm
Concentration per Run	0.0223 ppm	0.4692 ppm	0.2567 ppm	0.3073 ppm	49.6632 ppm	15.3083 ppm	0.2107 ppm
Concentration per Run	0.0223 ppm	0.4725 ppm	0.2586 ppm	0.3118 ppm	50.5018 ppm	15.5575 ppm	0.2039 ppm
Concentration RSD	0.2 %	0.6 %	0.4 %	0.9 %	0.9 %	0.9 %	3.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	212.9874 ppm	3.2883 ppm	0.9639 ppm	12.0624 ppm	0.5077 ppm	0.6804 ppm	0.3143 ppm
Concentration per Run	210.7326 ppm	3.3065 ppm	0.9610 ppm	12.1577 ppm	0.5064 ppm	0.6861 ppm	0.2972 ppm
Concentration per Run	213.1187 ppm	3.2796 ppm	0.9610 ppm	11.9790 ppm	0.5063 ppm	0.6777 ppm	0.3227 ppm
Concentration per Run	215.1109 ppm	3.2789 ppm	0.9697 ppm	12.0504 ppm	0.5103 ppm	0.6775 ppm	0.3230 ppm
Concentration RSD	1.0 %	0.5 %	0.5 %	0.7 %	0.5 %	0.7 %	4.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1252 ppm	79.5428 [SIC 100]	0.8598 ppm	4.3738 ppm	2.4895 ppm	0.1117 ppm	0.6284 ppm
Concentration per Run	0.1237 ppm	78.5919 ppm	0.8460 ppm	4.3819 ppm	2.4681 ppm	0.1139 ppm	0.6231 ppm
Concentration per Run	0.1277 ppm	79.5052 ppm	0.8609 ppm	4.3390 ppm	2.4915 ppm	0.1122 ppm	0.6290 ppm
Concentration per Run	0.1242 ppm	80.5314 ppm	0.8724 ppm	4.4004 ppm	2.5089 ppm	0.1088 ppm	0.6331 ppm
Concentration RSD	1.7 %	1.2 %	1.5 %	0.7 %	0.8 %	2.3 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9385 ppm	87.1572 %	98.1528 %	78.1061 %	87.3632 %	99.1445 %	88.9698 %
Concentration per Run	0.9356 ppm	88.4833 %	97.1499 %	77.4838 %	88.3193 %	98.6809 %	88.0883 %
Concentration per Run	0.9336 ppm	86.9370 %	99.0825 %	78.2731 %	87.2531 %	100.0854 %	89.1996 %
Concentration per Run	0.9462 ppm	86.0512 %	98.2259 %	78.5616 %	86.5172 %	98.6671 %	89.6214 %
Concentration RSD	0.7 %	1.4 %	1.0 %	0.7 %	1.0 %	0.8 %	0.9 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: eWG2118566-4d2 WG2118566
 Analysis started at: 9/24/2025 11:04:19 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 22

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0004 ppm	83.6029 ppm	0.0427 ppm	0.1572 ppm	1.0291 ppm	0.0078 ppm	1,900.6583 [SIC 1000]
Concentration per Run	-0.0009 ppm	82.9848 ppm	0.0379 ppm	0.1555 ppm	1.0234 ppm	0.0077 ppm	1,888.8676 ppm
Concentration per Run	-0.0003 ppm	83.4681 ppm	0.0474 ppm	0.1576 ppm	1.0233 ppm	0.0079 ppm	1,899.5403 ppm
Concentration per Run	0.0000 ppm	84.3559 ppm	0.0427 ppm	0.1584 ppm	1.0406 ppm	0.0078 ppm	1,913.5669 ppm
Concentration RSD	112.5 %	0.8 %	11.1 %	0.9 %	1.0 %	1.0 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0168 ppm	0.0304 ppm	0.0938 ppm	0.0824 ppm	66.3047 ppm	8.2645 ppm	0.2059 ppm
Concentration per Run	-0.0171 ppm	0.0309 ppm	0.0929 ppm	0.0829 ppm	65.6383 ppm	8.2661 ppm	0.1990 ppm
Concentration per Run	-0.0165 ppm	0.0298 ppm	0.0940 ppm	0.0824 ppm	66.2121 ppm	8.2288 ppm	0.2164 ppm
Concentration per Run	-0.0167 ppm	0.0305 ppm	0.0944 ppm	0.0819 ppm	67.0635 ppm	8.2986 ppm	0.2023 ppm
Concentration RSD	1.9 %	1.8 %	0.8 %	0.6 %	1.1 %	0.4 %	4.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	375.3561 ppm	6.0369 ppm	0.0081 ppm	1.9919 ppm	0.0626 ppm	0.2999 ppm	0.0017 ppm
Concentration per Run	376.4255 ppm	5.9825 ppm	0.0081 ppm	1.9722 ppm	0.0632 ppm	0.2981 ppm	0.0039 ppm
Concentration per Run	376.7465 ppm	6.0354 ppm	0.0086 ppm	1.9942 ppm	0.0626 ppm	0.3018 ppm	0.0042 ppm
Concentration per Run	372.8964 ppm	6.0929 ppm	0.0075 ppm	2.0094 ppm	0.0621 ppm	0.2999 ppm	-0.0032 ppm
Concentration RSD	0.6 %	0.9 %	6.6 %	0.9 %	0.9 %	0.6 %	251.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0021 ppm	32.3915 [SIC 100]	0.0185 ppm	3.2796 ppm	2.4600 ppm	0.0010 ppm	0.1198 ppm
Concentration per Run	-0.0085 ppm	32.6511 ppm	0.0197 ppm	3.2623 ppm	2.4551 ppm	0.0026 ppm	0.1201 ppm
Concentration per Run	-0.0039 ppm	32.5246 ppm	0.0191 ppm	3.2623 ppm	2.4783 ppm	-0.0013 ppm	0.1201 ppm
Concentration per Run	0.0060 ppm	31.9986 ppm	0.0166 ppm	3.3141 ppm	2.4468 ppm	0.0016 ppm	0.1192 ppm
Concentration RSD	350.1 %	1.1 %	9.0 %	0.9 %	0.7 %	201.5 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0804 ppm	86.8261 %	96.8612 %	79.4880 %	88.9277 %	98.9951 %	91.8328 %
Concentration per Run	1.0792 ppm	85.9018 %	97.8795 %	79.8193 %	87.9691 %	99.2484 %	92.2082 %
Concentration per Run	1.0872 ppm	87.0989 %	96.1999 %	78.8205 %	89.2622 %	98.7872 %	91.0504 %
Concentration per Run	1.0748 ppm	87.4774 %	96.5042 %	79.8242 %	89.5518 %	98.9498 %	92.2396 %
Concentration RSD	0.6 %	0.9 %	0.9 %	0.7 %	0.9 %	0.2 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: eWG2118566-5d2 WG2118566
 Analysis started at: 9/24/2025 11:06:25 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 23

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0497 ppm	37.2007 ppm	0.1920 ppm	1.0436 ppm	2.3903 ppm	0.0532 ppm	2,660.1102 [SIC 1000]
Concentration per Run	0.0502 ppm	37.2380 ppm	0.1941 ppm	1.0466 ppm	2.3989 ppm	0.0533 ppm	2,665.3490 ppm
Concentration per Run	0.0493 ppm	37.0982 ppm	0.1912 ppm	1.0486 ppm	2.3842 ppm	0.0530 ppm	2,650.8326 ppm
Concentration per Run	0.0497 ppm	37.2659 ppm	0.1905 ppm	1.0356 ppm	2.3878 ppm	0.0531 ppm	2,664.1489 ppm
Concentration RSD	0.9 %	0.2 %	1.0 %	0.7 %	0.3 %	0.3 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0169 ppm	0.4424 ppm	0.2525 ppm	0.2968 ppm	169.0190 ppm	17.0145 ppm	0.2571 ppm
Concentration per Run	0.0168 ppm	0.4448 ppm	0.2539 ppm	0.2984 ppm	169.5641 ppm	17.0659 ppm	0.2543 ppm
Concentration per Run	0.0171 ppm	0.4419 ppm	0.2521 ppm	0.2972 ppm	168.2852 ppm	16.9781 ppm	0.2668 ppm
Concentration per Run	0.0167 ppm	0.4406 ppm	0.2516 ppm	0.2948 ppm	169.2076 ppm	16.9994 ppm	0.2504 ppm
Concentration RSD	1.4 %	0.5 %	0.5 %	0.6 %	0.4 %	0.3 %	3.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	457.5727 ppm	4.1940 ppm	0.9477 ppm	11.9472 ppm	0.4835 ppm	0.6046 ppm	0.4821 ppm
Concentration per Run	461.7292 ppm	4.2096 ppm	0.9515 ppm	11.9862 ppm	0.4866 ppm	0.6051 ppm	0.4804 ppm
Concentration per Run	457.0303 ppm	4.1692 ppm	0.9496 ppm	11.9064 ppm	0.4852 ppm	0.6045 ppm	0.4865 ppm
Concentration per Run	453.9585 ppm	4.2032 ppm	0.9422 ppm	11.9491 ppm	0.4786 ppm	0.6043 ppm	0.4795 ppm
Concentration RSD	0.9 %	0.5 %	0.5 %	0.3 %	0.9 %	0.1 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1271 ppm	46.2332 [SIC 100]	0.8691 ppm	4.1051 ppm	1.9163 ppm	0.1079 ppm	0.5843 ppm
Concentration per Run	0.1260 ppm	46.3268 ppm	0.8757 ppm	4.1179 ppm	1.9180 ppm	0.1032 ppm	0.5878 ppm
Concentration per Run	0.1276 ppm	46.3849 ppm	0.8644 ppm	4.0967 ppm	1.9228 ppm	0.1112 ppm	0.5844 ppm
Concentration per Run	0.1277 ppm	45.9878 ppm	0.8673 ppm	4.1006 ppm	1.9080 ppm	0.1092 ppm	0.5808 ppm
Concentration RSD	0.8 %	0.5 %	0.7 %	0.3 %	0.4 %	3.9 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8216 ppm	85.8292 %	95.8458 %	76.3275 %	86.0789 %	97.2583 %	87.6424 %
Concentration per Run	0.8281 ppm	84.3528 %	96.0553 %	75.8881 %	84.4454 %	97.3577 %	87.0124 %
Concentration per Run	0.8204 ppm	86.3746 %	96.2698 %	76.1381 %	86.7050 %	97.1205 %	87.4943 %
Concentration per Run	0.8162 ppm	86.7603 %	95.2123 %	76.9563 %	87.0864 %	97.2967 %	88.4206 %
Concentration RSD	0.7 %	1.5 %	0.6 %	0.7 %	1.7 %	0.1 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: eWG2118566-6d10 WG2118566
 Analysis started at: 9/24/2025 11:08:32 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 24

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	7.1177 ppm	0.0106 ppm	0.0205 ppm	0.0919 ppm	0.0011 ppm	599.0516 ppm
Concentration per Run	0.0003 ppm	7.1250 ppm	0.0121 ppm	0.0198 ppm	0.0916 ppm	0.0011 ppm	598.5029 ppm
Concentration per Run	-0.0006 ppm	7.1315 ppm	0.0091 ppm	0.0211 ppm	0.0919 ppm	0.0012 ppm	598.5003 ppm
Concentration per Run	0.0000 ppm	7.0965 ppm	0.0106 ppm	0.0206 ppm	0.0921 ppm	0.0011 ppm	600.1517 ppm
Concentration RSD	368.9 %	0.3 %	13.8 %	3.4 %	0.2 %	2.5 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0062 ppm	0.0049 ppm	0.0163 ppm	0.0131 ppm	36.6123 ppm	1.1302 ppm	0.0440 ppm
Concentration per Run	-0.0062 ppm	0.0050 ppm	0.0160 ppm	0.0128 ppm	36.7884 ppm	1.1313 ppm	0.0462 ppm
Concentration per Run	-0.0062 ppm	0.0045 ppm	0.0158 ppm	0.0133 ppm	36.4631 ppm	1.1056 ppm	0.0463 ppm
Concentration per Run	-0.0062 ppm	0.0052 ppm	0.0169 ppm	0.0133 ppm	36.5853 ppm	1.1539 ppm	0.0395 ppm
Concentration RSD	0.3 %	7.6 %	3.7 %	2.1 %	0.4 %	2.1 %	8.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	99.8102 ppm	0.8033 ppm	0.0020 ppm	0.2287 ppm	0.0127 ppm	0.0244 ppm	-0.0019 ppm
Concentration per Run	99.0675 ppm	0.8041 ppm	0.0027 ppm	0.2332 ppm	0.0127 ppm	0.0245 ppm	-0.0007 ppm
Concentration per Run	99.9002 ppm	0.8027 ppm	0.0013 ppm	0.2297 ppm	0.0117 ppm	0.0249 ppm	-0.0050 ppm
Concentration per Run	100.4631 ppm	0.8031 ppm	0.0019 ppm	0.2233 ppm	0.0136 ppm	0.0239 ppm	0.0001 ppm
Concentration RSD	0.7 %	0.1 %	34.9 %	2.2 %	7.5 %	2.2 %	145.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0005 ppm	9.1495 ppm	0.0023 ppm	0.6412 ppm	0.1943 ppm	-0.0001 ppm	0.0182 ppm
Concentration per Run	0.0013 ppm	9.0948 ppm	0.0022 ppm	0.6434 ppm	0.1919 ppm	0.0018 ppm	0.0184 ppm
Concentration per Run	0.0008 ppm	9.1543 ppm	0.0014 ppm	0.6386 ppm	0.1938 ppm	0.0010 ppm	0.0180 ppm
Concentration per Run	-0.0005 ppm	9.1995 ppm	0.0035 ppm	0.6415 ppm	0.1973 ppm	-0.0032 ppm	0.0182 ppm
Concentration RSD	172.1 %	0.6 %	46.4 %	0.4 %	1.4 %	1,784.1 %	1.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0898 ppm	92.2352 %	99.0290 %	87.8119 %	90.4140 %	96.5641 %	93.5087 %
Concentration per Run	0.0897 ppm	92.5859 %	99.1075 %	87.3049 %	90.4943 %	96.5294 %	93.0634 %
Concentration per Run	0.0897 ppm	92.6240 %	99.2207 %	87.4416 %	90.8596 %	97.8030 %	92.9813 %
Concentration per Run	0.0898 ppm	91.4957 %	98.7587 %	88.6890 %	89.8881 %	95.3598 %	94.4814 %
Concentration RSD	0.1 %	0.7 %	0.2 %	0.9 %	0.5 %	1.3 %	0.9 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558856-01d2 WG2118566
 Analysis started at: 9/24/2025 11:10:38 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 25

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	91.4656 ppm	0.0853 ppm	0.0047 ppm	0.1813 ppm	0.0033 ppm	13.9249 ppm
Concentration per Run	0.0001 ppm	90.8183 ppm	0.0841 ppm	0.0062 ppm	0.1814 ppm	0.0033 ppm	13.8819 ppm
Concentration per Run	-0.0015 ppm	92.0695 ppm	0.0836 ppm	0.0041 ppm	0.1814 ppm	0.0033 ppm	14.0042 ppm
Concentration per Run	0.0007 ppm	91.5091 ppm	0.0884 ppm	0.0039 ppm	0.1809 ppm	0.0033 ppm	13.8884 ppm
Concentration RSD	545.7 %	0.7 %	3.1 %	26.6 %	0.2 %	0.8 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	0.0687 ppm	0.1941 ppm	0.1288 ppm	170.4115 ppm	12.2507 ppm	0.2016 ppm
Concentration per Run	-0.0002 ppm	0.0696 ppm	0.1937 ppm	0.1283 ppm	170.3913 ppm	12.2616 ppm	0.2026 ppm
Concentration per Run	-0.0005 ppm	0.0682 ppm	0.1948 ppm	0.1290 ppm	170.4288 ppm	12.3011 ppm	0.2033 ppm
Concentration per Run	0.0000 ppm	0.0684 ppm	0.1937 ppm	0.1291 ppm	170.4146 ppm	12.1895 ppm	0.1989 ppm
Concentration RSD	90.6 %	1.1 %	0.3 %	0.4 %	0.0 %	0.5 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	41.9113 ppm	3.0741 ppm	0.0022 ppm	0.9763 ppm	0.2053 ppm	0.0738 ppm	-0.0013 ppm
Concentration per Run	41.7440 ppm	3.0734 ppm	0.0014 ppm	0.9747 ppm	0.2048 ppm	0.0733 ppm	-0.0041 ppm
Concentration per Run	42.6316 ppm	3.0852 ppm	0.0024 ppm	0.9788 ppm	0.2071 ppm	0.0732 ppm	0.0042 ppm
Concentration per Run	41.3584 ppm	3.0638 ppm	0.0027 ppm	0.9753 ppm	0.2039 ppm	0.0749 ppm	-0.0039 ppm
Concentration RSD	1.6 %	0.3 %	30.8 %	0.2 %	0.8 %	1.3 %	373.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0003 ppm	7.8814 ppm	0.0084 ppm	0.0831 ppm	3.1298 ppm	0.0024 ppm	0.1830 ppm
Concentration per Run	0.0019 ppm	7.8416 ppm	0.0083 ppm	0.0832 ppm	3.1024 ppm	0.0050 ppm	0.1828 ppm
Concentration per Run	-0.0084 ppm	8.0390 ppm	0.0090 ppm	0.0830 ppm	3.2047 ppm	0.0007 ppm	0.1857 ppm
Concentration per Run	0.0056 ppm	7.7636 ppm	0.0078 ppm	0.0830 ppm	3.0824 ppm	0.0015 ppm	0.1806 ppm
Concentration RSD	2,515.1 %	1.8 %	7.0 %	0.1 %	2.1 %	93.5 %	1.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3303 ppm	102.1151 %	107.0718 %	100.6518 %	104.2009 %	112.9690 %	109.3418 %
Concentration per Run	0.3305 ppm	101.8122 %	107.3899 %	101.0721 %	103.9617 %	113.6225 %	109.8616 %
Concentration per Run	0.3306 ppm	101.1353 %	106.6000 %	100.6134 %	103.9336 %	112.8756 %	109.1508 %
Concentration per Run	0.3297 ppm	103.3976 %	107.2254 %	100.2697 %	104.7074 %	112.4088 %	109.0130 %
Concentration RSD	0.2 %	1.1 %	0.4 %	0.4 %	0.4 %	0.5 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558867-01d2 WG2118566
 Analysis started at: 9/24/2025 11:12:45 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 26

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	77.3406 ppm	0.0639 ppm	0.0158 ppm	0.2796 ppm	0.0024 ppm	27.5247 ppm
Concentration per Run	0.0010 ppm	77.4576 ppm	0.0682 ppm	0.0156 ppm	0.2792 ppm	0.0024 ppm	27.5773 ppm
Concentration per Run	0.0005 ppm	77.2938 ppm	0.0611 ppm	0.0163 ppm	0.2790 ppm	0.0024 ppm	27.4676 ppm
Concentration per Run	0.0002 ppm	77.2705 ppm	0.0623 ppm	0.0156 ppm	0.2805 ppm	0.0024 ppm	27.5290 ppm
Concentration RSD	72.8 %	0.1 %	6.0 %	2.3 %	0.3 %	1.0 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	0.0629 ppm	0.0921 ppm	0.1201 ppm	87.6344 ppm	3.0795 ppm	0.1304 ppm
Concentration per Run	0.0002 ppm	0.0629 ppm	0.0920 ppm	0.1198 ppm	87.2672 ppm	3.1010 ppm	0.1309 ppm
Concentration per Run	0.0003 ppm	0.0627 ppm	0.0925 ppm	0.1203 ppm	87.5692 ppm	3.0873 ppm	0.1307 ppm
Concentration per Run	0.0001 ppm	0.0629 ppm	0.0919 ppm	0.1203 ppm	88.0667 ppm	3.0503 ppm	0.1297 ppm
Concentration RSD	61.0 %	0.2 %	0.3 %	0.2 %	0.5 %	0.9 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	13.4436 ppm	0.5251 ppm	0.0060 ppm	2.1897 ppm	0.2041 ppm	0.0784 ppm	-0.0025 ppm
Concentration per Run	13.4068 ppm	0.5246 ppm	0.0059 ppm	2.1806 ppm	0.2041 ppm	0.0800 ppm	-0.0040 ppm
Concentration per Run	13.3604 ppm	0.5244 ppm	0.0054 ppm	2.1913 ppm	0.2023 ppm	0.0775 ppm	-0.0024 ppm
Concentration per Run	13.5635 ppm	0.5262 ppm	0.0069 ppm	2.1970 ppm	0.2058 ppm	0.0777 ppm	-0.0012 ppm
Concentration RSD	0.8 %	0.2 %	12.2 %	0.4 %	0.9 %	1.7 %	55.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0022 ppm	5.0316 ppm	0.0109 ppm	0.1256 ppm	0.8134 ppm	0.0013 ppm	0.1741 ppm
Concentration per Run	-0.0004 ppm	5.0620 ppm	0.0115 ppm	0.1256 ppm	0.8174 ppm	-0.0011 ppm	0.1743 ppm
Concentration per Run	0.0015 ppm	4.9814 ppm	0.0113 ppm	0.1255 ppm	0.8042 ppm	0.0012 ppm	0.1733 ppm
Concentration per Run	0.0054 ppm	5.0513 ppm	0.0097 ppm	0.1258 ppm	0.8186 ppm	0.0037 ppm	0.1747 ppm
Concentration RSD	135.5 %	0.9 %	9.2 %	0.1 %	1.0 %	189.5 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3075 ppm	104.4193 %	108.1425 %	100.8550 %	103.5433 %	107.0556 %	106.0845 %
Concentration per Run	0.3086 ppm	103.3410 %	108.3489 %	100.8284 %	102.0662 %	106.5147 %	106.0559 %
Concentration per Run	0.3067 ppm	105.4475 %	107.4689 %	101.4352 %	104.3745 %	106.9237 %	107.0840 %
Concentration per Run	0.3072 ppm	104.4693 %	108.6098 %	100.3015 %	104.1892 %	107.7286 %	105.1137 %
Concentration RSD	0.3 %	1.0 %	0.6 %	0.6 %	1.2 %	0.6 %	0.9 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2558867-06d2 WG2118566
 Analysis started at: 9/24/2025 11:14:52 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 27

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0018 ppm	76.8555 ppm	0.4975 ppm	0.0448 ppm	1.0007 ppm	0.0045 ppm	540.7535 ppm
Concentration per Run	0.0021 ppm	76.5828 ppm	0.4950 ppm	0.0422 ppm	0.9991 ppm	0.0044 ppm	539.1215 ppm
Concentration per Run	0.0017 ppm	76.6759 ppm	0.4970 ppm	0.0464 ppm	1.0006 ppm	0.0045 ppm	539.4638 ppm
Concentration per Run	0.0014 ppm	77.3079 ppm	0.5006 ppm	0.0458 ppm	1.0024 ppm	0.0046 ppm	543.6753 ppm
Concentration RSD	18.7 %	0.5 %	0.6 %	5.1 %	0.2 %	1.7 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0030 ppm	0.0668 ppm	0.1324 ppm	0.2571 ppm	198.7986 ppm	7.9944 ppm	0.1634 ppm
Concentration per Run	-0.0029 ppm	0.0661 ppm	0.1306 ppm	0.2538 ppm	197.3777 ppm	8.0004 ppm	0.1661 ppm
Concentration per Run	-0.0031 ppm	0.0670 ppm	0.1341 ppm	0.2589 ppm	198.7813 ppm	7.9695 ppm	0.1677 ppm
Concentration per Run	-0.0029 ppm	0.0674 ppm	0.1324 ppm	0.2585 ppm	200.2369 ppm	8.0134 ppm	0.1564 ppm
Concentration RSD	3.6 %	1.0 %	1.3 %	1.1 %	0.7 %	0.3 %	3.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	151.4407 ppm	3.4939 ppm	0.0138 ppm	5.2045 ppm	0.1527 ppm	0.3117 ppm	0.0000 ppm
Concentration per Run	149.2635 ppm	3.4781 ppm	0.0135 ppm	5.1919 ppm	0.1502 ppm	0.3120 ppm	-0.0002 ppm
Concentration per Run	152.6494 ppm	3.4888 ppm	0.0138 ppm	5.2064 ppm	0.1532 ppm	0.3101 ppm	0.0009 ppm
Concentration per Run	152.4093 ppm	3.5148 ppm	0.0140 ppm	5.2153 ppm	0.1546 ppm	0.3129 ppm	-0.0005 ppm
Concentration RSD	1.2 %	0.5 %	1.7 %	0.2 %	1.5 %	0.4 %	1,893.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0229 ppm	3.6548 ppm	0.0257 ppm	0.8566 ppm	1.3229 ppm	0.0024 ppm	0.1797 ppm
Concentration per Run	0.0232 ppm	3.6049 ppm	0.0258 ppm	0.8540 ppm	1.3087 ppm	0.0024 ppm	0.1769 ppm
Concentration per Run	0.0257 ppm	3.7012 ppm	0.0252 ppm	0.8562 ppm	1.3286 ppm	0.0041 ppm	0.1808 ppm
Concentration per Run	0.0199 ppm	3.6583 ppm	0.0263 ppm	0.8594 ppm	1.3314 ppm	0.0008 ppm	0.1813 ppm
Concentration RSD	12.7 %	1.3 %	2.2 %	0.3 %	0.9 %	68.5 %	1.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1810 ppm	96.3853 %	107.2116 %	91.6749 %	99.3254 %	110.2565 %	104.5295 %
Concentration per Run	1.1597 ppm	97.9631 %	107.6501 %	91.2498 %	101.0933 %	110.7030 %	104.0542 %
Concentration per Run	1.1956 ppm	94.9936 %	107.3733 %	92.3393 %	98.0225 %	111.1540 %	104.9385 %
Concentration per Run	1.1875 ppm	96.1991 %	106.6114 %	91.4357 %	98.8605 %	108.9125 %	104.5958 %
Concentration RSD	1.6 %	1.5 %	0.5 %	0.6 %	1.6 %	1.1 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 11:16:58 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4952 ppm	0.4807 ppm	0.4830 ppm	0.4907 ppm	0.4999 ppm	0.5058 ppm	0.5091 ppm
Concentration per Run	0.4946 ppm	0.4957 ppm	0.4873 ppm	0.4872 ppm	0.5029 ppm	0.5081 ppm	0.5095 ppm
Concentration per Run	0.4957 ppm	0.4794 ppm	0.4845 ppm	0.4963 ppm	0.4969 ppm	0.5046 ppm	0.5051 ppm
Concentration per Run	0.4954 ppm	0.4671 ppm	0.4771 ppm	0.4887 ppm	0.4999 ppm	0.5047 ppm	0.5128 ppm
Recovery Percentage	99.045 %	96.148 %	96.592 %	98.149 %	99.974 %	101.162 %	101.829 %
Concentration RSD	0.1 %	3.0 %	1.1 %	1.0 %	0.6 %	0.4 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4974 ppm	0.5073 ppm	0.4989 ppm	0.5149 ppm	0.4988 ppm	5.2807 ppm	0.5201 ppm
Concentration per Run	0.4968 ppm	0.5102 ppm	0.4991 ppm	0.5163 ppm	0.5008 ppm	5.3398 ppm	0.5214 ppm
Concentration per Run	0.4992 ppm	0.5085 ppm	0.4993 ppm	0.5145 ppm	0.4960 ppm	5.2331 ppm	0.5168 ppm
Concentration per Run	0.4962 ppm	0.5032 ppm	0.4983 ppm	0.5140 ppm	0.4995 ppm	5.2693 ppm	0.5221 ppm
Recovery Percentage	99.474 %	101.460 %	99.778 %	102.987 %	99.760 %	105.614 %	104.023 %
Concentration RSD	0.3 %	0.7 %	0.1 %	0.2 %	0.5 %	1.0 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5052 ppm	0.5013 ppm	0.4820 ppm	10.1678 ppm	0.5137 ppm	0.5066 ppm	0.5051 ppm
Concentration per Run	0.5093 ppm	0.5036 ppm	0.4805 ppm	10.1875 ppm	0.5161 ppm	0.5078 ppm	0.5059 ppm
Concentration per Run	0.5066 ppm	0.4988 ppm	0.4827 ppm	10.1492 ppm	0.5155 ppm	0.5084 ppm	0.5053 ppm
Concentration per Run	0.4997 ppm	0.5015 ppm	0.4827 ppm	10.1665 ppm	0.5096 ppm	0.5037 ppm	0.5040 ppm
Recovery Percentage	101.046 %	100.255 %	96.395 %	101.678 %	102.743 %	101.325 %	101.016 %
Concentration RSD	1.0 %	0.5 %	0.3 %	0.2 %	0.7 %	0.5 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4905 ppm	5.3929 ppm	0.4829 ppm	0.5040 ppm	0.4964 ppm	0.5077 ppm	0.5061 ppm
Concentration per Run	0.4907 ppm	5.3741 ppm	0.4799 ppm	0.5074 ppm	0.4952 ppm	0.5087 ppm	0.5068 ppm
Concentration per Run	0.4908 ppm	5.4139 ppm	0.4843 ppm	0.5013 ppm	0.4969 ppm	0.5105 ppm	0.5065 ppm
Concentration per Run	0.4899 ppm	5.3906 ppm	0.4845 ppm	0.5033 ppm	0.4971 ppm	0.5038 ppm	0.5051 ppm
Recovery Percentage	98.090 %	102.721 %	96.581 %	100.796 %	99.285 %	101.533 %	101.224 %
Concentration RSD	0.1 %	0.4 %	0.5 %	0.6 %	0.2 %	0.7 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5023 ppm	103.2071 %	104.4235 %	104.5000 %	99.9008 %	100.3359 %	103.9953 %
Concentration per Run	0.5034 ppm	102.5441 %	105.2199 %	104.2918 %	99.4155 %	101.5185 %	103.7622 %
Concentration per Run	0.5048 ppm	103.4004 %	104.5027 %	104.4919 %	100.0292 %	99.9359 %	104.0880 %
Concentration per Run	0.4988 ppm	103.6768 %	103.5479 %	104.7164 %	100.2578 %	99.5532 %	104.1357 %
Recovery Percentage	100.463 %						
Concentration RSD	0.6 %	0.6 %	0.8 %	0.2 %	0.4 %	1.0 %	0.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 11:19:05 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0028 ppm	0.0010 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0165 ppm
Concentration per Run	-0.0001 ppm	0.0026 ppm	0.0019 ppm	0.0004 ppm	-0.0001 ppm	0.0001 ppm	0.0211 ppm
Concentration per Run	-0.0001 ppm	-0.0113 ppm	0.0022 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm	0.0103 ppm
Concentration per Run	0.0006 ppm	0.0002 ppm	-0.0011 ppm	0.0011 ppm	0.0002 ppm	0.0000 ppm	0.0183 ppm
Recovery Percentage	1.927 %	-2.835 %	19.760 %	2.506 %	0.227 %	1.869 %	16.526 %
Concentration RSD	270.1 %	262.2 %	187.7 %	46.8 %	567.9 %	74.4 %	33.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0003 ppm	-0.0003 ppm	-0.0001 ppm	0.0014 ppm	0.0257 ppm	-0.0020 ppm
Concentration per Run	-0.0001 ppm	-0.0004 ppm	-0.0004 ppm	-0.0005 ppm	0.0027 ppm	-0.0108 ppm	-0.0020 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	-0.0002 ppm	0.0002 ppm	0.0012 ppm	0.0654 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0000 ppm	0.0004 ppm	0.0226 ppm	-0.0038 ppm
Recovery Percentage	-0.388 %	-1.541 %	-2.934 %	-1.192 %	2.869 %	1.030 %	-39.369 %
Concentration RSD	277.2 %	123.2 %	40.5 %	266.2 %	81.5 %	148.3 %	94.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0010 ppm	0.0000 ppm	0.0011 ppm	0.0189 ppm	-0.0001 ppm	0.0008 ppm	-0.0012 ppm
Concentration per Run	0.0024 ppm	0.0002 ppm	0.0009 ppm	0.0297 ppm	0.0007 ppm	0.0002 ppm	0.0009 ppm
Concentration per Run	0.0007 ppm	-0.0001 ppm	0.0014 ppm	0.0154 ppm	-0.0003 ppm	0.0009 ppm	-0.0015 ppm
Concentration per Run	-0.0002 ppm	0.0000 ppm	0.0010 ppm	0.0114 ppm	-0.0005 ppm	0.0012 ppm	-0.0031 ppm
Recovery Percentage	0.983 %	0.401 %	2.270 %	0.943 %	-0.247 %	7.682 %	-2.431 %
Concentration RSD	134.1 %	447.8 %	23.6 %	50.8 %	1,025.7 %	69.7 %	165.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0023 ppm	0.0183 ppm	0.0009 ppm	-0.0001 ppm	0.0006 ppm	0.0011 ppm	-0.0003 ppm
Concentration per Run	-0.0017 ppm	0.0168 ppm	0.0005 ppm	-0.0002 ppm	0.0006 ppm	0.0030 ppm	-0.0002 ppm
Concentration per Run	0.0009 ppm	0.0197 ppm	0.0008 ppm	0.0001 ppm	0.0006 ppm	-0.0006 ppm	-0.0001 ppm
Concentration per Run	-0.0059 ppm	0.0184 ppm	0.0015 ppm	-0.0001 ppm	0.0007 ppm	0.0008 ppm	-0.0005 ppm
Recovery Percentage	-22.522 %	3.663 %	1.870 %	-0.655 %	6.229 %	5.291 %	-2.685 %
Concentration RSD	153.4 %	7.8 %	56.6 %	238.4 %	12.9 %	169.0 %	79.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	99.7687 %	99.6419 %	101.2018 %	99.0499 %	97.4695 %	101.5981 %
Concentration per Run	0.0004 ppm	99.8658 %	100.7930 %	102.3223 %	98.9924 %	97.7141 %	102.6066 %
Concentration per Run	0.0006 ppm	100.5269 %	100.0199 %	100.9615 %	100.0578 %	97.4137 %	101.3233 %
Concentration per Run	0.0005 ppm	98.9134 %	98.1127 %	100.3215 %	98.0994 %	97.2807 %	100.8645 %
Recovery Percentage	10.675 %						
Concentration RSD	20.2 %	0.8 %	1.4 %	1.0 %	1.0 %	0.2 %	0.9 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2559046-02d2 WG2118566
 Analysis started at: 9/24/2025 11:21:11 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 28

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	75.1686 ppm	0.0227 ppm	0.1071 ppm	1.5580 ppm	0.0086 ppm	324.3174 ppm
Concentration per Run	0.0001 ppm	74.8145 ppm	0.0234 ppm	0.1066 ppm	1.5564 ppm	0.0086 ppm	322.8658 ppm
Concentration per Run	0.0013 ppm	76.0340 ppm	0.0204 ppm	0.1075 ppm	1.5690 ppm	0.0086 ppm	327.9658 ppm
Concentration per Run	0.0009 ppm	74.6574 ppm	0.0244 ppm	0.1071 ppm	1.5485 ppm	0.0086 ppm	322.1206 ppm
Concentration RSD	81.1 %	1.0 %	9.3 %	0.4 %	0.7 %	0.3 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0026 ppm	0.1034 ppm	0.1500 ppm	1.2396 ppm	147.7249 ppm	20.7295 ppm	0.4890 ppm
Concentration per Run	-0.0025 ppm	0.1034 ppm	0.1488 ppm	1.2271 ppm	147.3431 ppm	20.6841 ppm	0.4900 ppm
Concentration per Run	-0.0027 ppm	0.1024 ppm	0.1506 ppm	1.2476 ppm	149.0211 ppm	20.8896 ppm	0.4916 ppm
Concentration per Run	-0.0025 ppm	0.1045 ppm	0.1506 ppm	1.2439 ppm	146.8106 ppm	20.6147 ppm	0.4853 ppm
Concentration RSD	3.6 %	1.0 %	0.7 %	0.9 %	0.8 %	0.7 %	0.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	88.2021 ppm	7.6101 ppm	0.0073 ppm	2.2770 ppm	0.2523 ppm	0.0998 ppm	-0.0032 ppm
Concentration per Run	87.7163 ppm	7.5796 ppm	0.0072 ppm	2.2710 ppm	0.2522 ppm	0.0972 ppm	-0.0027 ppm
Concentration per Run	88.7897 ppm	7.6849 ppm	0.0067 ppm	2.3112 ppm	0.2512 ppm	0.1024 ppm	-0.0010 ppm
Concentration per Run	88.1003 ppm	7.5659 ppm	0.0078 ppm	2.2488 ppm	0.2534 ppm	0.1000 ppm	-0.0059 ppm
Concentration RSD	0.6 %	0.9 %	7.6 %	1.4 %	0.4 %	2.6 %	78.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0020 ppm	3.3227 ppm	0.0086 ppm	1.0227 ppm	1.9054 ppm	-0.0026 ppm	0.2071 ppm
Concentration per Run	0.0112 ppm	3.3025 ppm	0.0083 ppm	1.0224 ppm	1.8967 ppm	-0.0015 ppm	0.2058 ppm
Concentration per Run	-0.0054 ppm	3.3495 ppm	0.0087 ppm	1.0275 ppm	1.9195 ppm	-0.0036 ppm	0.2081 ppm
Concentration per Run	0.0003 ppm	3.3163 ppm	0.0088 ppm	1.0183 ppm	1.9000 ppm	-0.0027 ppm	0.2075 ppm
Concentration RSD	415.9 %	0.7 %	2.6 %	0.5 %	0.6 %	39.8 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5717 ppm	99.6555 %	106.4704 %	94.0225 %	105.6890 %	112.3616 %	109.1161 %
Concentration per Run	0.5711 ppm	99.9935 %	106.9112 %	93.7552 %	105.9141 %	112.8941 %	108.8280 %
Concentration per Run	0.5708 ppm	98.7387 %	105.8213 %	93.8370 %	104.9440 %	112.9997 %	108.8619 %
Concentration per Run	0.5731 ppm	100.2343 %	106.6788 %	94.4752 %	106.2089 %	111.1911 %	109.6583 %
Concentration RSD	0.2 %	0.8 %	0.5 %	0.4 %	0.6 %	0.9 %	0.4 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2559046-04d2 WG2118566
 Analysis started at: 9/24/2025 11:23:18 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 29

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0031 ppm	88.7522 ppm	0.0234 ppm	0.1624 ppm	1.1077 ppm	0.0070 ppm	997.0806 ppm
Concentration per Run	0.0031 ppm	88.7813 ppm	0.0215 ppm	0.1640 ppm	1.1071 ppm	0.0070 ppm	996.2178 ppm
Concentration per Run	0.0032 ppm	88.9512 ppm	0.0227 ppm	0.1651 ppm	1.1083 ppm	0.0070 ppm	998.6839 ppm
Concentration per Run	0.0029 ppm	88.5241 ppm	0.0258 ppm	0.1582 ppm	1.1077 ppm	0.0069 ppm	996.3401 ppm
Concentration RSD	5.5 %	0.2 %	9.5 %	2.3 %	0.1 %	1.3 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0105 ppm	0.0757 ppm	0.5693 ppm	1.5761 ppm	125.8771 ppm	22.6687 ppm	0.4161 ppm
Concentration per Run	-0.0105 ppm	0.0753 ppm	0.5653 ppm	1.5679 ppm	125.4595 ppm	22.5851 ppm	0.4084 ppm
Concentration per Run	-0.0108 ppm	0.0765 ppm	0.5724 ppm	1.5839 ppm	125.9266 ppm	22.7251 ppm	0.4187 ppm
Concentration per Run	-0.0104 ppm	0.0754 ppm	0.5701 ppm	1.5764 ppm	126.2452 ppm	22.6960 ppm	0.4212 ppm
Concentration RSD	1.8 %	0.8 %	0.6 %	0.5 %	0.3 %	0.3 %	1.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	160.4726 ppm	7.2902 ppm	0.0189 ppm	3.5347 ppm	0.2193 ppm	0.0966 ppm	-0.0021 ppm
Concentration per Run	160.5159 ppm	7.2969 ppm	0.0186 ppm	3.5618 ppm	0.2196 ppm	0.0975 ppm	-0.0057 ppm
Concentration per Run	160.8714 ppm	7.2957 ppm	0.0196 ppm	3.5353 ppm	0.2191 ppm	0.0943 ppm	-0.0015 ppm
Concentration per Run	160.0306 ppm	7.2779 ppm	0.0184 ppm	3.5068 ppm	0.2192 ppm	0.0981 ppm	0.0009 ppm
Concentration RSD	0.3 %	0.1 %	3.3 %	0.8 %	0.1 %	2.1 %	159.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0023 ppm	42.5943 [SIC 100]	0.0185 ppm	4.6271 ppm	2.7973 ppm	-0.0021 ppm	0.1929 ppm
Concentration per Run	0.0014 ppm	42.6599 ppm	0.0181 ppm	4.6162 ppm	2.8018 ppm	-0.0048 ppm	0.1935 ppm
Concentration per Run	0.0032 ppm	42.6863 ppm	0.0175 ppm	4.6299 ppm	2.8030 ppm	0.0003 ppm	0.1937 ppm
Concentration per Run	0.0023 ppm	42.4366 ppm	0.0198 ppm	4.6354 ppm	2.7871 ppm	-0.0017 ppm	0.1916 ppm
Concentration RSD	38.4 %	0.3 %	6.4 %	0.2 %	0.3 %	123.5 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.6123 ppm	94.1023 %	103.3872 %	86.2299 %	97.9597 %	108.0478 %	100.3090 %
Concentration per Run	1.6104 ppm	94.0433 %	102.9698 %	86.3617 %	97.5475 %	109.1679 %	100.4947 %
Concentration per Run	1.6162 ppm	93.8284 %	104.1894 %	86.1664 %	97.7459 %	108.1987 %	100.1393 %
Concentration per Run	1.6102 ppm	94.4353 %	103.0024 %	86.1615 %	98.5856 %	106.7769 %	100.2929 %
Concentration RSD	0.2 %	0.3 %	0.7 %	0.1 %	0.6 %	1.1 %	0.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: eL2559451-02d2 WG2118566
 Analysis started at: 9/24/2025 11:25:25 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 30

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0015 ppm	8.0065 ppm	0.0365 ppm	0.0097 ppm	0.1318 ppm	0.0014 ppm	2,260.8657 [SIC 1000]
Concentration per Run	-0.0026 ppm	7.9633 ppm	0.0392 ppm	0.0084 ppm	0.1315 ppm	0.0014 ppm	2,250.0897 ppm
Concentration per Run	-0.0010 ppm	8.0899 ppm	0.0332 ppm	0.0121 ppm	0.1329 ppm	0.0014 ppm	2,281.6716 ppm
Concentration per Run	-0.0008 ppm	7.9664 ppm	0.0370 ppm	0.0087 ppm	0.1311 ppm	0.0014 ppm	2,250.8358 ppm
Concentration RSD	65.9 %	0.9 %	8.3 %	21.3 %	0.7 %	1.2 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0248 ppm	0.0175 ppm	0.0745 ppm	0.0445 ppm	36.8164 ppm	3.1514 ppm	0.1600 ppm
Concentration per Run	-0.0248 ppm	0.0170 ppm	0.0742 ppm	0.0446 ppm	36.6818 ppm	3.1602 ppm	0.1808 ppm
Concentration per Run	-0.0245 ppm	0.0184 ppm	0.0741 ppm	0.0437 ppm	37.0499 ppm	3.1576 ppm	0.1408 ppm
Concentration per Run	-0.0252 ppm	0.0170 ppm	0.0753 ppm	0.0451 ppm	36.7174 ppm	3.1363 ppm	0.1585 ppm
Concentration RSD	1.5 %	4.7 %	0.8 %	1.6 %	0.6 %	0.4 %	12.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	193.6383 ppm	0.7632 ppm	0.0072 ppm	0.3947 ppm	0.0425 ppm	0.2684 ppm	-0.0018 ppm
Concentration per Run	192.5910 ppm	0.7563 ppm	0.0063 ppm	0.3832 ppm	0.0423 ppm	0.2690 ppm	-0.0001 ppm
Concentration per Run	193.1621 ppm	0.7711 ppm	0.0074 ppm	0.4002 ppm	0.0417 ppm	0.2656 ppm	-0.0052 ppm
Concentration per Run	195.1617 ppm	0.7621 ppm	0.0079 ppm	0.4008 ppm	0.0437 ppm	0.2707 ppm	-0.0002 ppm
Concentration RSD	0.7 %	1.0 %	11.2 %	2.5 %	2.4 %	1.0 %	161.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0024 ppm	5.1252 ppm	0.0061 ppm	2.4955 ppm	0.3864 ppm	-0.0002 ppm	0.0415 ppm
Concentration per Run	-0.0043 ppm	5.1208 ppm	0.0060 ppm	2.4835 ppm	0.3848 ppm	0.0021 ppm	0.0412 ppm
Concentration per Run	-0.0035 ppm	5.1242 ppm	0.0053 ppm	2.5165 ppm	0.3874 ppm	-0.0004 ppm	0.0417 ppm
Concentration per Run	0.0005 ppm	5.1307 ppm	0.0070 ppm	2.4866 ppm	0.3871 ppm	-0.0024 ppm	0.0417 ppm
Concentration RSD	105.2 %	0.1 %	14.1 %	0.7 %	0.4 %	956.8 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2390 ppm	88.1836 %	99.1701 %	78.6864 %	86.8047 %	97.1939 %	87.2830 %
Concentration per Run	0.2371 ppm	88.6829 %	99.8266 %	78.2149 %	86.9990 %	95.6212 %	86.7985 %
Concentration per Run	0.2379 ppm	88.9594 %	97.6279 %	79.3133 %	87.7357 %	97.3001 %	87.7721 %
Concentration per Run	0.2419 ppm	86.9085 %	100.0558 %	78.5308 %	85.6794 %	98.6605 %	87.2782 %
Concentration RSD	1.1 %	1.3 %	1.4 %	0.7 %	1.2 %	1.6 %	0.6 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: eL2559451-03d2 WG2118566
 Analysis started at: 9/24/2025 11:27:31 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 31

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	77.6385 ppm	0.0895 ppm	0.0240 ppm	0.2827 ppm	0.0090 ppm	1,094.1224 [SIC 1000]
Concentration per Run	0.0007 ppm	78.6095 ppm	0.0834 ppm	0.0241 ppm	0.2858 ppm	0.0090 ppm	1,107.1626 ppm
Concentration per Run	0.0009 ppm	76.7123 ppm	0.0967 ppm	0.0248 ppm	0.2814 ppm	0.0089 ppm	1,078.9976 ppm
Concentration per Run	0.0001 ppm	77.5936 ppm	0.0885 ppm	0.0232 ppm	0.2810 ppm	0.0090 ppm	1,096.2072 ppm
Concentration RSD	71.6 %	1.2 %	7.5 %	3.3 %	0.9 %	1.0 %	1.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0119 ppm	0.1052 ppm	0.0938 ppm	0.2077 ppm	194.1504 ppm	22.2908 ppm	0.3907 ppm
Concentration per Run	-0.0118 ppm	0.1047 ppm	0.0943 ppm	0.2086 ppm	196.1107 ppm	22.4923 ppm	0.3862 ppm
Concentration per Run	-0.0119 ppm	0.1055 ppm	0.0930 ppm	0.2079 ppm	193.0731 ppm	22.1571 ppm	0.3985 ppm
Concentration per Run	-0.0119 ppm	0.1055 ppm	0.0941 ppm	0.2065 ppm	193.2674 ppm	22.2230 ppm	0.3875 ppm
Concentration RSD	0.5 %	0.4 %	0.8 %	0.5 %	0.9 %	0.8 %	1.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	705.0441 [SIC 1000]	4.0767 ppm	0.0060 ppm	1.7801 ppm	0.1844 ppm	0.1104 ppm	-0.0025 ppm
Concentration per Run	701.5559 ppm	4.1058 ppm	0.0066 ppm	1.8033 ppm	0.1839 ppm	0.1085 ppm	-0.0007 ppm
Concentration per Run	703.6912 ppm	4.0356 ppm	0.0051 ppm	1.7464 ppm	0.1846 ppm	0.1118 ppm	-0.0019 ppm
Concentration per Run	709.8852 ppm	4.0889 ppm	0.0063 ppm	1.7906 ppm	0.1848 ppm	0.1110 ppm	-0.0050 ppm
Concentration RSD	0.6 %	0.9 %	13.4 %	1.7 %	0.3 %	1.6 %	86.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0009 ppm	5.1945 ppm	0.0075 ppm	0.2966 ppm	1.0279 ppm	0.0009 ppm	0.2063 ppm
Concentration per Run	0.0042 ppm	5.1772 ppm	0.0076 ppm	0.3003 ppm	1.0106 ppm	0.0037 ppm	0.2049 ppm
Concentration per Run	-0.0041 ppm	5.1579 ppm	0.0081 ppm	0.2954 ppm	1.0263 ppm	-0.0006 ppm	0.2059 ppm
Concentration per Run	0.0025 ppm	5.2485 ppm	0.0067 ppm	0.2940 ppm	1.0467 ppm	-0.0005 ppm	0.2080 ppm
Concentration RSD	502.8 %	0.9 %	9.2 %	1.1 %	1.8 %	275.9 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2641 ppm	91.6933 %	100.8810 %	83.7454 %	99.0229 %	112.0952 %	102.4431 %
Concentration per Run	0.2617 ppm	92.2341 %	100.5013 %	83.7328 %	99.6804 %	114.1896 %	102.3728 %
Concentration per Run	0.2647 ppm	91.6157 %	103.0626 %	83.2490 %	98.3577 %	111.4762 %	101.9918 %
Concentration per Run	0.2660 ppm	91.2301 %	99.0790 %	84.2544 %	99.0306 %	110.6197 %	102.9646 %
Concentration RSD	0.8 %	0.6 %	2.0 %	0.6 %	0.7 %	1.7 %	0.5 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: eL2559451-04d2 WG2118566
 Analysis started at: 9/24/2025 11:29:38 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 32

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	64.4849 ppm	0.0652 ppm	0.0175 ppm	0.7071 ppm	0.0159 ppm	1,160.4425 [SIC 1000]
Concentration per Run	0.0003 ppm	65.0380 ppm	0.0655 ppm	0.0178 ppm	0.7159 ppm	0.0161 ppm	1,176.1284 ppm
Concentration per Run	0.0018 ppm	64.1696 ppm	0.0665 ppm	0.0151 ppm	0.7048 ppm	0.0157 ppm	1,149.5717 ppm
Concentration per Run	0.0022 ppm	64.2472 ppm	0.0635 ppm	0.0196 ppm	0.7005 ppm	0.0159 ppm	1,155.6273 ppm
Concentration RSD	68.5 %	0.7 %	2.4 %	12.9 %	1.1 %	1.4 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0104 ppm	0.1043 ppm	0.0779 ppm	0.1912 ppm	226.9240 ppm	8.6248 ppm	0.2594 ppm
Concentration per Run	-0.0103 ppm	0.1033 ppm	0.0761 ppm	0.1902 ppm	229.5081 ppm	8.7130 ppm	0.2640 ppm
Concentration per Run	-0.0104 ppm	0.1046 ppm	0.0787 ppm	0.1911 ppm	224.4093 ppm	8.5727 ppm	0.2674 ppm
Concentration per Run	-0.0105 ppm	0.1049 ppm	0.0788 ppm	0.1922 ppm	226.8546 ppm	8.5887 ppm	0.2468 ppm
Concentration RSD	1.0 %	0.8 %	1.9 %	0.5 %	1.1 %	0.9 %	4.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	693.4907 [SIC 1000]	13.0216 ppm	0.0027 ppm	1.1302 ppm	0.1541 ppm	0.2193 ppm	-0.0051 ppm
Concentration per Run	687.6783 ppm	13.1598 ppm	0.0019 ppm	1.1286 ppm	0.1528 ppm	0.2211 ppm	-0.0021 ppm
Concentration per Run	693.2638 ppm	12.8785 ppm	0.0029 ppm	1.1081 ppm	0.1533 ppm	0.2192 ppm	-0.0003 ppm
Concentration per Run	699.5299 ppm	13.0265 ppm	0.0033 ppm	1.1538 ppm	0.1562 ppm	0.2176 ppm	-0.0130 ppm
Concentration RSD	0.9 %	1.1 %	27.2 %	2.0 %	1.2 %	0.8 %	133.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0020 ppm	5.9647 ppm	0.0071 ppm	0.3026 ppm	0.5174 ppm	-0.0022 ppm	0.2419 ppm
Concentration per Run	0.0001 ppm	5.9181 ppm	0.0092 ppm	0.3068 ppm	0.5134 ppm	-0.0026 ppm	0.2401 ppm
Concentration per Run	-0.0028 ppm	5.9552 ppm	0.0051 ppm	0.3020 ppm	0.5166 ppm	-0.0020 ppm	0.2413 ppm
Concentration per Run	-0.0033 ppm	6.0209 ppm	0.0071 ppm	0.2990 ppm	0.5222 ppm	-0.0020 ppm	0.2443 ppm
Concentration RSD	93.2 %	0.9 %	28.7 %	1.3 %	0.9 %	16.6 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4533 ppm	91.5490 %	100.1230 %	81.5822 %	105.4156 %	116.8031 %	106.6765 %
Concentration per Run	0.4485 ppm	92.5173 %	98.8943 %	81.5376 %	106.3343 %	115.2218 %	106.7143 %
Concentration per Run	0.4525 ppm	91.5238 %	101.4652 %	81.5391 %	105.5697 %	115.2509 %	106.6634 %
Concentration per Run	0.4590 ppm	90.6060 %	100.0094 %	81.6700 %	104.3427 %	119.9365 %	106.6518 %
Concentration RSD	1.2 %	1.0 %	1.3 %	0.1 %	1.0 %	2.3 %	0.0 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: eL2559451-05d2 WG2118566
 Analysis started at: 9/24/2025 11:31:44 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 33

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	55.7573 ppm	0.0637 ppm	0.0273 ppm	0.7161 ppm	0.0099 ppm	1,231.7920 [SIC 1000]
Concentration per Run	0.0001 ppm	55.4583 ppm	0.0621 ppm	0.0282 ppm	0.7119 ppm	0.0099 ppm	1,223.0083 ppm
Concentration per Run	0.0007 ppm	56.4166 ppm	0.0622 ppm	0.0287 ppm	0.7243 ppm	0.0100 ppm	1,251.9443 ppm
Concentration per Run	0.0004 ppm	55.3971 ppm	0.0670 ppm	0.0250 ppm	0.7123 ppm	0.0098 ppm	1,220.4235 ppm
Concentration RSD	77.7 %	1.0 %	4.4 %	7.3 %	1.0 %	1.2 %	1.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0122 ppm	0.0722 ppm	0.0757 ppm	0.1629 ppm	175.5867 ppm	7.8502 ppm	0.2040 ppm
Concentration per Run	-0.0121 ppm	0.0716 ppm	0.0760 ppm	0.1629 ppm	174.4020 ppm	7.8202 ppm	0.1974 ppm
Concentration per Run	-0.0121 ppm	0.0727 ppm	0.0760 ppm	0.1628 ppm	178.4100 ppm	7.9894 ppm	0.2140 ppm
Concentration per Run	-0.0126 ppm	0.0721 ppm	0.0752 ppm	0.1630 ppm	173.9481 ppm	7.7409 ppm	0.2005 ppm
Concentration RSD	2.3 %	0.8 %	0.6 %	0.1 %	1.4 %	1.6 %	4.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	745.2670 [SIC 1000]	9.9301 ppm	0.0049 ppm	3.7186 ppm	0.1149 ppm	0.1206 ppm	-0.0072 ppm
Concentration per Run	743.2861 ppm	9.8884 ppm	0.0048 ppm	3.6795 ppm	0.1140 ppm	0.1204 ppm	-0.0085 ppm
Concentration per Run	742.4092 ppm	10.0573 ppm	0.0050 ppm	3.8033 ppm	0.1139 ppm	0.1184 ppm	0.0007 ppm
Concentration per Run	750.1058 ppm	9.8446 ppm	0.0049 ppm	3.6730 ppm	0.1168 ppm	0.1231 ppm	-0.0137 ppm
Concentration RSD	0.6 %	1.1 %	2.1 %	2.0 %	1.4 %	2.0 %	101.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0040 ppm	7.8307 ppm	0.0057 ppm	0.2910 ppm	0.6128 ppm	-0.0014 ppm	0.1928 ppm
Concentration per Run	-0.0059 ppm	7.8151 ppm	0.0051 ppm	0.2886 ppm	0.6108 ppm	-0.0021 ppm	0.1929 ppm
Concentration per Run	-0.0041 ppm	7.8166 ppm	0.0054 ppm	0.2956 ppm	0.6126 ppm	-0.0028 ppm	0.1916 ppm
Concentration per Run	-0.0021 ppm	7.8603 ppm	0.0068 ppm	0.2888 ppm	0.6150 ppm	0.0007 ppm	0.1937 ppm
Concentration RSD	48.1 %	0.3 %	15.6 %	1.4 %	0.3 %	131.5 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5006 ppm	88.6636 %	101.2781 %	81.0886 %	97.4497 %	110.8518 %	101.3270 %
Concentration per Run	0.4991 ppm	88.7705 %	101.6558 %	80.3200 %	97.5122 %	110.8082 %	100.4643 %
Concentration per Run	0.4996 ppm	88.9915 %	99.3949 %	81.3525 %	97.8334 %	111.2426 %	101.7286 %
Concentration per Run	0.5030 ppm	88.2288 %	102.7835 %	81.5934 %	97.0036 %	110.5046 %	101.7880 %
Concentration RSD	0.4 %	0.4 %	1.7 %	0.8 %	0.4 %	0.3 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: eL2559451-06d2 WG2118566
 Analysis started at: 9/24/2025 11:33:51 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 34

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0005 ppm	16.4314 ppm	0.0728 ppm	0.0203 ppm	0.1066 ppm	0.0049 ppm	1,628.5959 [SIC 1000]
Concentration per Run	-0.0006 ppm	16.4737 ppm	0.0707 ppm	0.0194 ppm	0.1074 ppm	0.0049 ppm	1,634.0845 ppm
Concentration per Run	-0.0001 ppm	16.4528 ppm	0.0764 ppm	0.0218 ppm	0.1059 ppm	0.0049 ppm	1,631.5044 ppm
Concentration per Run	-0.0008 ppm	16.3678 ppm	0.0713 ppm	0.0198 ppm	0.1064 ppm	0.0048 ppm	1,620.1987 ppm
Concentration RSD	77.0 %	0.3 %	4.3 %	6.6 %	0.7 %	1.4 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0182 ppm	0.0457 ppm	0.0361 ppm	0.0798 ppm	106.0008 ppm	6.9854 ppm	0.1841 ppm
Concentration per Run	-0.0183 ppm	0.0453 ppm	0.0359 ppm	0.0795 ppm	106.4478 ppm	7.0470 ppm	0.1878 ppm
Concentration per Run	-0.0180 ppm	0.0468 ppm	0.0365 ppm	0.0801 ppm	105.3139 ppm	6.9895 ppm	0.1873 ppm
Concentration per Run	-0.0182 ppm	0.0452 ppm	0.0360 ppm	0.0798 ppm	106.2406 ppm	6.9197 ppm	0.1771 ppm
Concentration RSD	0.8 %	1.9 %	0.9 %	0.4 %	0.6 %	0.9 %	3.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	976.3761 [SIC 1000]	2.9212 ppm	0.0063 ppm	1.2433 ppm	0.0699 ppm	0.0780 ppm	-0.0019 ppm
Concentration per Run	980.0132 ppm	2.9105 ppm	0.0065 ppm	1.2533 ppm	0.0685 ppm	0.0806 ppm	0.0034 ppm
Concentration per Run	972.6402 ppm	2.9303 ppm	0.0057 ppm	1.2450 ppm	0.0719 ppm	0.0764 ppm	-0.0066 ppm
Concentration per Run	976.4751 ppm	2.9228 ppm	0.0066 ppm	1.2314 ppm	0.0692 ppm	0.0770 ppm	-0.0024 ppm
Concentration RSD	0.4 %	0.3 %	7.8 %	0.9 %	2.5 %	2.9 %	264.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0001 ppm	5.1853 ppm	0.0043 ppm	0.3720 ppm	0.2150 ppm	-0.0013 ppm	0.0992 ppm
Concentration per Run	-0.0016 ppm	5.1878 ppm	0.0046 ppm	0.3728 ppm	0.2165 ppm	0.0007 ppm	0.0995 ppm
Concentration per Run	0.0021 ppm	5.2122 ppm	0.0059 ppm	0.3693 ppm	0.2165 ppm	-0.0019 ppm	0.0995 ppm
Concentration per Run	-0.0001 ppm	5.1558 ppm	0.0025 ppm	0.3739 ppm	0.2121 ppm	-0.0026 ppm	0.0987 ppm
Concentration RSD	1,394.0 %	0.5 %	40.6 %	0.7 %	1.2 %	135.4 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1246 ppm	84.8941 %	94.5561 %	76.1574 %	87.1821 %	97.0674 %	88.8637 %
Concentration per Run	0.1248 ppm	84.5511 %	94.3858 %	76.7859 %	87.0550 %	96.5676 %	89.5317 %
Concentration per Run	0.1254 ppm	85.3779 %	94.5715 %	75.9923 %	87.5725 %	97.3180 %	88.7373 %
Concentration per Run	0.1235 ppm	84.7532 %	94.7111 %	75.6939 %	86.9189 %	97.3164 %	88.3222 %
Concentration RSD	0.8 %	0.5 %	0.2 %	0.7 %	0.4 %	0.4 %	0.7 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: eL2559451-07d2 WG2118566
 Analysis started at: 9/24/2025 11:35:57 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 35

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	49.5571 ppm	0.0685 ppm	0.0198 ppm	0.2829 ppm	0.0084 ppm	1,311.2806 [SIC 1000]
Concentration per Run	0.0003 ppm	49.4046 ppm	0.0665 ppm	0.0200 ppm	0.2817 ppm	0.0084 ppm	1,304.6313 ppm
Concentration per Run	0.0005 ppm	49.4652 ppm	0.0661 ppm	0.0173 ppm	0.2830 ppm	0.0083 ppm	1,309.6831 ppm
Concentration per Run	-0.0004 ppm	49.8016 ppm	0.0729 ppm	0.0222 ppm	0.2842 ppm	0.0085 ppm	1,319.5273 ppm
Concentration RSD	421.0 %	0.4 %	5.5 %	12.5 %	0.4 %	0.9 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0146 ppm	0.0696 ppm	0.0750 ppm	0.1675 ppm	160.9517 ppm	15.6335 ppm	0.3485 ppm
Concentration per Run	-0.0148 ppm	0.0701 ppm	0.0751 ppm	0.1667 ppm	160.9503 ppm	15.5754 ppm	0.3479 ppm
Concentration per Run	-0.0147 ppm	0.0705 ppm	0.0743 ppm	0.1682 ppm	160.0552 ppm	15.6546 ppm	0.3450 ppm
Concentration per Run	-0.0143 ppm	0.0684 ppm	0.0757 ppm	0.1676 ppm	161.8495 ppm	15.6706 ppm	0.3527 ppm
Concentration RSD	2.0 %	1.6 %	0.9 %	0.4 %	0.6 %	0.3 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	782.7314 [SIC 1000]	4.3496 ppm	0.0056 ppm	3.6188 ppm	0.1275 ppm	0.1563 ppm	0.0016 ppm
Concentration per Run	780.6728 ppm	4.3553 ppm	0.0052 ppm	3.5912 ppm	0.1274 ppm	0.1582 ppm	0.0062 ppm
Concentration per Run	782.0178 ppm	4.3228 ppm	0.0053 ppm	3.6143 ppm	0.1283 ppm	0.1565 ppm	-0.0032 ppm
Concentration per Run	785.5037 ppm	4.3707 ppm	0.0062 ppm	3.6510 ppm	0.1268 ppm	0.1541 ppm	0.0018 ppm
Concentration RSD	0.3 %	0.6 %	9.1 %	0.8 %	0.6 %	1.3 %	298.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0005 ppm	4.5959 ppm	0.0109 ppm	0.4020 ppm	0.7690 ppm	0.0007 ppm	0.1868 ppm
Concentration per Run	-0.0067 ppm	4.5974 ppm	0.0118 ppm	0.4031 ppm	0.7684 ppm	0.0002 ppm	0.1855 ppm
Concentration per Run	0.0048 ppm	4.5918 ppm	0.0105 ppm	0.4016 ppm	0.7675 ppm	0.0003 ppm	0.1870 ppm
Concentration per Run	0.0034 ppm	4.5984 ppm	0.0105 ppm	0.4013 ppm	0.7712 ppm	0.0015 ppm	0.1879 ppm
Concentration RSD	1,204.1 %	0.1 %	7.3 %	0.2 %	0.2 %	110.5 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2760 ppm	87.7012 %	98.6638 %	78.7694 %	96.6480 %	109.1168 %	98.3642 %
Concentration per Run	0.2760 ppm	87.1939 %	99.6213 %	78.4350 %	95.9102 %	109.8421 %	97.8666 %
Concentration per Run	0.2754 ppm	87.9045 %	99.0352 %	78.9826 %	97.0366 %	109.7223 %	98.6057 %
Concentration per Run	0.2766 ppm	88.0052 %	97.3350 %	78.8907 %	96.9972 %	107.7861 %	98.6202 %
Concentration RSD	0.2 %	0.5 %	1.2 %	0.4 %	0.7 %	1.1 %	0.4 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2559451-08d2 WG2118566
 Analysis started at: 9/24/2025 11:38:04 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 36

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0033 ppm	129.5811 ppm	0.1893 ppm	0.0070 ppm	1.7031 ppm	0.0385 ppm	55.2080 ppm
Concentration per Run	0.0035 ppm	128.5338 ppm	0.1896 ppm	0.0064 ppm	1.7047 ppm	0.0386 ppm	54.7237 ppm
Concentration per Run	0.0031 ppm	130.6974 ppm	0.1876 ppm	0.0063 ppm	1.6962 ppm	0.0383 ppm	55.7383 ppm
Concentration per Run	0.0032 ppm	129.5119 ppm	0.1906 ppm	0.0085 ppm	1.7085 ppm	0.0385 ppm	55.1621 ppm
Concentration RSD	6.9 %	0.8 %	0.8 %	17.6 %	0.4 %	0.5 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0049 ppm	0.2627 ppm	0.1612 ppm	0.3644 ppm	527.3140 [SIC 800]	14.8433 ppm	0.4878 ppm
Concentration per Run	0.0050 ppm	0.2624 ppm	0.1607 ppm	0.3650 ppm	526.5765 ppm	14.8492 ppm	0.4919 ppm
Concentration per Run	0.0048 ppm	0.2629 ppm	0.1601 ppm	0.3620 ppm	526.2723 ppm	14.8103 ppm	0.4825 ppm
Concentration per Run	0.0049 ppm	0.2629 ppm	0.1627 ppm	0.3662 ppm	529.0933 ppm	14.8703 ppm	0.4889 ppm
Concentration RSD	2.6 %	0.1 %	0.9 %	0.6 %	0.3 %	0.2 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	84.2206 ppm	32.7072 [SIC 80]	0.0117 ppm	0.2355 ppm	0.3867 ppm	0.3594 ppm	-0.0048 ppm
Concentration per Run	83.8223 ppm	32.4738 ppm	0.0116 ppm	0.2359 ppm	0.3849 ppm	0.3588 ppm	-0.0065 ppm
Concentration per Run	84.5230 ppm	32.8249 ppm	0.0120 ppm	0.2308 ppm	0.3863 ppm	0.3597 ppm	-0.0042 ppm
Concentration per Run	84.3164 ppm	32.8230 ppm	0.0114 ppm	0.2399 ppm	0.3887 ppm	0.3597 ppm	-0.0037 ppm
Concentration RSD	0.4 %	0.6 %	2.9 %	1.9 %	0.5 %	0.1 %	31.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0052 ppm	3.9443 ppm	0.0146 ppm	0.1296 ppm	1.0928 ppm	-0.0040 ppm	0.3928 ppm
Concentration per Run	-0.0037 ppm	3.9205 ppm	0.0138 ppm	0.1301 ppm	1.0842 ppm	-0.0045 ppm	0.3909 ppm
Concentration per Run	-0.0040 ppm	3.9731 ppm	0.0161 ppm	0.1285 ppm	1.0951 ppm	-0.0042 ppm	0.3951 ppm
Concentration per Run	-0.0079 ppm	3.9393 ppm	0.0139 ppm	0.1302 ppm	1.0991 ppm	-0.0033 ppm	0.3926 ppm
Concentration RSD	44.6 %	0.7 %	9.0 %	0.7 %	0.7 %	14.9 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9613 ppm	106.7702 %	110.0458 %	100.4196 %	148.8491 %	159.2360 %	155.2568 %
Concentration per Run	0.9580 ppm	107.2582 %	113.1570 %	100.7531 %	149.3822 %	163.2761 %	155.6739 %
Concentration per Run	0.9615 ppm	106.4943 %	107.6529 %	100.3562 %	148.2375 %	154.8172 %	155.1295 %
Concentration per Run	0.9644 ppm	106.5581 %	109.3275 %	100.1494 %	148.9277 %	159.6149 %	154.9671 %
Concentration RSD	0.3 %	0.4 %	2.6 %	0.3 %	0.4 %	2.7 %	0.2 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: eL2559451-09d2 WG2118566
 Analysis started at: 9/24/2025 11:40:10 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 37

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0012 ppm	15.9776 ppm	0.0610 ppm	0.0249 ppm	0.0752 ppm	0.0032 ppm	2,181.1096 [SIC 1000]
Concentration per Run	-0.0015 ppm	15.8326 ppm	0.0571 ppm	0.0244 ppm	0.0745 ppm	0.0032 ppm	2,159.2424 ppm
Concentration per Run	-0.0006 ppm	16.1033 ppm	0.0625 ppm	0.0259 ppm	0.0757 ppm	0.0032 ppm	2,198.3366 ppm
Concentration per Run	-0.0014 ppm	15.9968 ppm	0.0634 ppm	0.0244 ppm	0.0755 ppm	0.0033 ppm	2,185.7499 ppm
Concentration RSD	44.5 %	0.9 %	5.6 %	3.4 %	0.9 %	1.3 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0242 ppm	0.0197 ppm	0.0480 ppm	0.0450 ppm	108.9103 ppm	4.5513 ppm	0.1710 ppm
Concentration per Run	-0.0245 ppm	0.0201 ppm	0.0478 ppm	0.0455 ppm	107.6349 ppm	4.5565 ppm	0.1484 ppm
Concentration per Run	-0.0240 ppm	0.0198 ppm	0.0485 ppm	0.0453 ppm	110.0054 ppm	4.5429 ppm	0.1861 ppm
Concentration per Run	-0.0240 ppm	0.0191 ppm	0.0477 ppm	0.0441 ppm	109.0906 ppm	4.5545 ppm	0.1784 ppm
Concentration RSD	1.2 %	2.6 %	0.9 %	1.7 %	1.1 %	0.2 %	11.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1,261.8223 [SIC 1000]	1.4422 ppm	0.0167 ppm	1.9911 ppm	0.0588 ppm	0.0369 ppm	0.0008 ppm
Concentration per Run	1,275.9055 ppm	1.4252 ppm	0.0175 ppm	1.9705 ppm	0.0591 ppm	0.0369 ppm	0.0023 ppm
Concentration per Run	1,258.2377 ppm	1.4559 ppm	0.0163 ppm	2.0209 ppm	0.0602 ppm	0.0350 ppm	-0.0016 ppm
Concentration per Run	1,251.3237 ppm	1.4456 ppm	0.0162 ppm	1.9819 ppm	0.0571 ppm	0.0388 ppm	0.0016 ppm
Concentration RSD	1.0 %	1.1 %	4.2 %	1.3 %	2.6 %	5.0 %	270.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0009 ppm	4.7864 ppm	0.0032 ppm	0.5772 ppm	0.2161 ppm	0.0008 ppm	0.0871 ppm
Concentration per Run	-0.0008 ppm	4.8388 ppm	0.0020 ppm	0.5715 ppm	0.2191 ppm	0.0002 ppm	0.0878 ppm
Concentration per Run	-0.0026 ppm	4.7540 ppm	0.0067 ppm	0.5818 ppm	0.2160 ppm	-0.0018 ppm	0.0871 ppm
Concentration per Run	0.0063 ppm	4.7664 ppm	0.0009 ppm	0.5785 ppm	0.2131 ppm	0.0040 ppm	0.0863 ppm
Concentration RSD	500.5 %	1.0 %	95.3 %	0.9 %	1.4 %	375.0 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1398 ppm	81.1263 %	90.0634 %	71.8652 %	82.8362 %	90.9120 %	83.5537 %
Concentration per Run	0.1420 ppm	79.9783 %	90.7195 %	72.4549 %	81.8546 %	91.1270 %	84.2119 %
Concentration per Run	0.1390 ppm	81.5078 %	89.1361 %	72.1377 %	83.3160 %	90.7852 %	83.7888 %
Concentration per Run	0.1385 ppm	81.8927 %	90.3347 %	71.0031 %	83.3381 %	90.8237 %	82.6605 %
Concentration RSD	1.4 %	1.2 %	0.9 %	1.1 %	1.0 %	0.2 %	1.0 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 11:42:17 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4980 ppm	0.4814 ppm	0.4819 ppm	0.4959 ppm	0.5002 ppm	0.5082 ppm	0.5534 ppm
Concentration per Run	0.4926 ppm	0.4806 ppm	0.4809 ppm	0.4882 ppm	0.4945 ppm	0.5029 ppm	0.5592 ppm
Concentration per Run	0.5019 ppm	0.4762 ppm	0.4805 ppm	0.4990 ppm	0.5023 ppm	0.5102 ppm	0.5547 ppm
Concentration per Run	0.4994 ppm	0.4875 ppm	0.4843 ppm	0.5007 ppm	0.5037 ppm	0.5115 ppm	0.5464 ppm
Recovery Percentage	99.593 %	96.285 %	96.377 %	99.188 %	100.032 %	101.641 %	110.686 %
Concentration RSD	1.0 %	1.2 %	0.4 %	1.4 %	1.0 %	0.9 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5005 ppm	0.5102 ppm	0.5006 ppm	0.5187 ppm	0.5050 ppm	5.3399 ppm	0.5270 ppm
Concentration per Run	0.4954 ppm	0.5033 ppm	0.4965 ppm	0.5125 ppm	0.5023 ppm	5.3263 ppm	0.5246 ppm
Concentration per Run	0.5032 ppm	0.5141 ppm	0.4976 ppm	0.5196 ppm	0.5096 ppm	5.3257 ppm	0.5290 ppm
Concentration per Run	0.5029 ppm	0.5133 ppm	0.5077 ppm	0.5239 ppm	0.5031 ppm	5.3677 ppm	0.5275 ppm
Recovery Percentage	100.099 %	102.041 %	100.123 %	103.738 %	100.995 %	106.798 %	105.408 %
Concentration RSD	0.9 %	1.2 %	1.2 %	1.1 %	0.8 %	0.5 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5733 ppm	0.5058 ppm	0.4846 ppm	10.1474 ppm	0.5149 ppm	0.5055 ppm	0.5057 ppm
Concentration per Run	0.5926 ppm	0.5002 ppm	0.4800 ppm	9.9802 ppm	0.5086 ppm	0.5050 ppm	0.4951 ppm
Concentration per Run	0.5751 ppm	0.5065 ppm	0.4875 ppm	10.1540 ppm	0.5190 ppm	0.5027 ppm	0.5168 ppm
Concentration per Run	0.5521 ppm	0.5108 ppm	0.4864 ppm	10.3081 ppm	0.5170 ppm	0.5089 ppm	0.5052 ppm
Recovery Percentage	114.658 %	101.168 %	96.928 %	101.474 %	102.971 %	101.109 %	101.135 %
Concentration RSD	3.5 %	1.1 %	0.8 %	1.6 %	1.1 %	0.6 %	2.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4932 ppm	5.4125 ppm	0.4878 ppm	0.5035 ppm	0.4997 ppm	0.5080 ppm	0.5101 ppm
Concentration per Run	0.4950 ppm	5.3404 ppm	0.4849 ppm	0.4972 ppm	0.4948 ppm	0.5100 ppm	0.5046 ppm
Concentration per Run	0.4947 ppm	5.4534 ppm	0.4872 ppm	0.5059 ppm	0.5029 ppm	0.5064 ppm	0.5138 ppm
Concentration per Run	0.4899 ppm	5.4438 ppm	0.4913 ppm	0.5074 ppm	0.5013 ppm	0.5076 ppm	0.5119 ppm
Recovery Percentage	98.634 %	103.096 %	97.556 %	100.705 %	99.936 %	101.594 %	102.015 %
Concentration RSD	0.6 %	1.2 %	0.7 %	1.1 %	0.9 %	0.4 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5021 ppm	104.5894 %	105.6143 %	105.6555 %	101.8202 %	101.3538 %	104.9936 %
Concentration per Run	0.4949 ppm	104.5125 %	107.7333 %	105.7237 %	101.6695 %	103.1551 %	104.9143 %
Concentration per Run	0.5048 ppm	104.6535 %	104.6548 %	105.3869 %	102.0334 %	100.0330 %	104.8360 %
Concentration per Run	0.5065 ppm	104.6023 %	104.4547 %	105.8558 %	101.7578 %	100.8733 %	105.2305 %
Recovery Percentage	100.416 %						
Concentration RSD	1.2 %	0.1 %	1.7 %	0.2 %	0.2 %	1.6 %	0.2 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/24/2025 11:44:24 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	0.0001 ppm	-0.0005 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0204 ppm
Concentration per Run	0.0002 ppm	0.0018 ppm	0.0000 ppm	-0.0009 ppm	0.0003 ppm	0.0000 ppm	0.0211 ppm
Concentration per Run	0.0006 ppm	0.0117 ppm	-0.0014 ppm	0.0020 ppm	0.0001 ppm	0.0001 ppm	0.0219 ppm
Concentration per Run	0.0003 ppm	-0.0131 ppm	-0.0001 ppm	-0.0010 ppm	0.0003 ppm	0.0000 ppm	0.0183 ppm
Recovery Percentage	5.385 %	0.139 %	-10.337 %	0.037 %	2.156 %	0.852 %	20.396 %
Concentration RSD	65.6 %	8,976.0 %	157.1 %	15,468.8 %	44.3 %	118.3 %	9.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0010 ppm	0.0005 ppm	0.0000 ppm	0.0014 ppm	0.0079 ppm	-0.0013 ppm
Concentration per Run	-0.0001 ppm	-0.0010 ppm	0.0005 ppm	0.0002 ppm	0.0025 ppm	0.0102 ppm	-0.0033 ppm
Concentration per Run	-0.0001 ppm	-0.0009 ppm	0.0003 ppm	-0.0001 ppm	0.0024 ppm	0.0091 ppm	-0.0018 ppm
Concentration per Run	-0.0001 ppm	-0.0009 ppm	0.0008 ppm	-0.0001 ppm	-0.0008 ppm	0.0045 ppm	0.0013 ppm
Recovery Percentage	-1.597 %	-4.753 %	5.338 %	-0.018 %	2.733 %	0.318 %	-25.219 %
Concentration RSD	3.7 %	8.0 %	51.8 %	9,992.1 %	139.0 %	38.6 %	187.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0060 ppm	0.0000 ppm	0.0011 ppm	0.0216 ppm	-0.0004 ppm	-0.0003 ppm	0.0005 ppm
Concentration per Run	0.0075 ppm	0.0002 ppm	0.0013 ppm	0.0266 ppm	0.0001 ppm	-0.0019 ppm	0.0012 ppm
Concentration per Run	0.0051 ppm	-0.0001 ppm	0.0010 ppm	0.0185 ppm	-0.0010 ppm	-0.0004 ppm	-0.0005 ppm
Concentration per Run	0.0053 ppm	0.0000 ppm	0.0010 ppm	0.0198 ppm	-0.0004 ppm	0.0014 ppm	0.0007 ppm
Recovery Percentage	5.956 %	0.301 %	2.119 %	1.081 %	-1.704 %	-3.233 %	0.902 %
Concentration RSD	22.0 %	568.5 %	16.2 %	20.2 %	129.1 %	509.5 %	189.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0013 ppm	0.0092 ppm	-0.0003 ppm	-0.0001 ppm	0.0007 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0015 ppm	0.0105 ppm	-0.0001 ppm	0.0001 ppm	0.0010 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0068 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run	-0.0054 ppm	0.0102 ppm	-0.0006 ppm	-0.0002 ppm	0.0010 ppm	0.0004 ppm	-0.0001 ppm
Recovery Percentage	-12.627 %	1.837 %	-0.511 %	-0.695 %	6.866 %	3.358 %	-1.169 %
Concentration RSD	287.8 %	22.2 %	126.3 %	188.3 %	72.7 %	42.6 %	55.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	102.3300 %	103.7097 %	103.4677 %	101.5716 %	101.6774 %	103.9190 %
Concentration per Run	0.0006 ppm	102.6647 %	104.0570 %	102.4256 %	101.7510 %	102.2452 %	102.6711 %
Concentration per Run	0.0003 ppm	102.0493 %	105.2020 %	103.2240 %	100.9407 %	102.7986 %	103.7227 %
Concentration per Run	0.0000 ppm	102.2759 %	101.8701 %	104.7534 %	102.0230 %	99.9885 %	105.3632 %
Recovery Percentage	6.269 %						
Concentration RSD	89.0 %	0.3 %	1.6 %	1.1 %	0.6 %	1.5 %	1.3 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2559451-10d2 WG2118566
 Analysis started at: 9/24/2025 11:46:30 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 38

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	23.0291 ppm	0.0456 ppm	0.0120 ppm	0.1703 ppm	0.0017 ppm	425.3389 ppm
Concentration per Run	-0.0001 ppm	23.1902 ppm	0.0448 ppm	0.0128 ppm	0.1724 ppm	0.0017 ppm	427.9214 ppm
Concentration per Run	0.0004 ppm	23.0502 ppm	0.0448 ppm	0.0129 ppm	0.1702 ppm	0.0017 ppm	426.0334 ppm
Concentration per Run	0.0004 ppm	22.8469 ppm	0.0473 ppm	0.0104 ppm	0.1684 ppm	0.0017 ppm	422.0620 ppm
Concentration RSD	112.4 %	0.7 %	3.2 %	11.9 %	1.2 %	1.8 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0040 ppm	0.0173 ppm	0.0620 ppm	0.0662 ppm	60.6514 ppm	2.7541 ppm	0.0662 ppm
Concentration per Run	-0.0040 ppm	0.0184 ppm	0.0631 ppm	0.0666 ppm	61.3689 ppm	2.7742 ppm	0.0696 ppm
Concentration per Run	-0.0039 ppm	0.0165 ppm	0.0612 ppm	0.0652 ppm	60.5928 ppm	2.7789 ppm	0.0657 ppm
Concentration per Run	-0.0041 ppm	0.0171 ppm	0.0618 ppm	0.0666 ppm	59.9926 ppm	2.7092 ppm	0.0635 ppm
Concentration RSD	2.3 %	5.5 %	1.6 %	1.3 %	1.1 %	1.4 %	4.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	132.4691 ppm	1.4181 ppm	0.0059 ppm	0.3657 ppm	0.0454 ppm	0.0518 ppm	-0.0029 ppm
Concentration per Run	132.6766 ppm	1.4310 ppm	0.0063 ppm	0.3682 ppm	0.0445 ppm	0.0524 ppm	-0.0019 ppm
Concentration per Run	132.2648 ppm	1.4185 ppm	0.0057 ppm	0.3676 ppm	0.0452 ppm	0.0515 ppm	-0.0023 ppm
Concentration per Run	132.4660 ppm	1.4048 ppm	0.0058 ppm	0.3614 ppm	0.0465 ppm	0.0514 ppm	-0.0045 ppm
Concentration RSD	0.2 %	0.9 %	5.0 %	1.0 %	2.2 %	1.0 %	49.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0008 ppm	7.6962 ppm	0.0070 ppm	0.4754 ppm	0.3035 ppm	0.0002 ppm	0.0806 ppm
Concentration per Run	0.0004 ppm	7.7112 ppm	0.0061 ppm	0.4794 ppm	0.3094 ppm	0.0018 ppm	0.0805 ppm
Concentration per Run	0.0003 ppm	7.6667 ppm	0.0082 ppm	0.4747 ppm	0.3002 ppm	-0.0009 ppm	0.0809 ppm
Concentration per Run	0.0018 ppm	7.7109 ppm	0.0068 ppm	0.4723 ppm	0.3010 ppm	-0.0003 ppm	0.0803 ppm
Concentration RSD	98.2 %	0.3 %	15.6 %	0.8 %	1.7 %	639.7 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2796 ppm	93.5045 %	99.5037 %	88.0335 %	92.7290 %	98.0577 %	94.7247 %
Concentration per Run	0.2801 ppm	92.9582 %	98.2422 %	87.3874 %	92.3382 %	97.2033 %	94.1050 %
Concentration per Run	0.2777 ppm	93.6326 %	98.1692 %	88.1502 %	92.7948 %	96.2614 %	94.9239 %
Concentration per Run	0.2811 ppm	93.9228 %	102.0997 %	88.5630 %	93.0540 %	100.7085 %	95.1452 %
Concentration RSD	0.6 %	0.5 %	2.3 %	0.7 %	0.4 %	2.4 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: eL2559451-11d2 WG2118566
 Analysis started at: 9/24/2025 11:48:37 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 39

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	63.8481 ppm	0.1240 ppm	0.0261 ppm	0.5339 ppm	0.0095 ppm	1,275.4126 [SIC 1000]
Concentration per Run	0.0005 ppm	63.6132 ppm	0.1234 ppm	0.0252 ppm	0.5337 ppm	0.0095 ppm	1,269.7311 ppm
Concentration per Run	0.0007 ppm	64.4893 ppm	0.1226 ppm	0.0275 ppm	0.5371 ppm	0.0096 ppm	1,289.0373 ppm
Concentration per Run	0.0005 ppm	63.4416 ppm	0.1259 ppm	0.0255 ppm	0.5308 ppm	0.0094 ppm	1,267.4696 ppm
Concentration RSD	23.6 %	0.9 %	1.4 %	4.7 %	0.6 %	1.1 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0132 ppm	0.1025 ppm	0.0842 ppm	0.2219 ppm	180.4035 ppm	21.1139 ppm	0.3415 ppm
Concentration per Run	-0.0134 ppm	0.1030 ppm	0.0833 ppm	0.2215 ppm	179.2089 ppm	20.9852 ppm	0.3380 ppm
Concentration per Run	-0.0133 ppm	0.1017 ppm	0.0856 ppm	0.2235 ppm	182.3929 ppm	21.3831 ppm	0.3494 ppm
Concentration per Run	-0.0130 ppm	0.1027 ppm	0.0837 ppm	0.2208 ppm	179.6087 ppm	20.9733 ppm	0.3371 ppm
Concentration RSD	1.5 %	0.7 %	1.4 %	0.6 %	1.0 %	1.1 %	2.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	765.1579 [SIC 1000]	6.4805 ppm	0.0114 ppm	0.8224 ppm	0.1646 ppm	0.3253 ppm	-0.0007 ppm
Concentration per Run	767.3239 ppm	6.4467 ppm	0.0117 ppm	0.8093 ppm	0.1643 ppm	0.3252 ppm	-0.0036 ppm
Concentration per Run	768.7475 ppm	6.5627 ppm	0.0112 ppm	0.8359 ppm	0.1662 ppm	0.3233 ppm	0.0031 ppm
Concentration per Run	759.4025 ppm	6.4322 ppm	0.0115 ppm	0.8219 ppm	0.1633 ppm	0.3273 ppm	-0.0017 ppm
Concentration RSD	0.7 %	1.1 %	2.2 %	1.6 %	0.9 %	0.6 %	465.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0004 ppm	4.9443 ppm	0.0173 ppm	0.5518 ppm	0.9847 ppm	-0.0025 ppm	0.1877 ppm
Concentration per Run	0.0014 ppm	4.9521 ppm	0.0164 ppm	0.5520 ppm	0.9820 ppm	-0.0047 ppm	0.1883 ppm
Concentration per Run	-0.0037 ppm	4.9871 ppm	0.0186 ppm	0.5554 ppm	0.9945 ppm	-0.0010 ppm	0.1882 ppm
Concentration per Run	0.0013 ppm	4.8937 ppm	0.0171 ppm	0.5482 ppm	0.9777 ppm	-0.0019 ppm	0.1867 ppm
Concentration RSD	825.9 %	1.0 %	6.4 %	0.7 %	0.9 %	76.8 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4615 ppm	91.7495 %	101.8639 %	81.9776 %	98.9671 %	109.4189 %	100.3280 %
Concentration per Run	0.4625 ppm	91.1053 %	102.7266 %	82.4920 %	98.3218 %	109.8484 %	100.7093 %
Concentration per Run	0.4628 ppm	91.5852 %	101.0024 %	82.1877 %	98.7389 %	109.3306 %	100.6280 %
Concentration per Run	0.4591 ppm	92.5578 %	101.8628 %	81.2529 %	99.8405 %	109.0777 %	99.6467 %
Concentration RSD	0.5 %	0.8 %	0.8 %	0.8 %	0.8 %	0.4 %	0.6 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: eL2559451-12d2 WG2118566
 Analysis started at: 9/24/2025 11:50:44 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 40

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0010 ppm	24.1629 ppm	0.0609 ppm	0.0238 ppm	0.0966 ppm	0.0042 ppm	1,801.7397 [SIC 1000]
Concentration per Run	-0.0014 ppm	24.0426 ppm	0.0646 ppm	0.0245 ppm	0.0962 ppm	0.0042 ppm	1,793.3356 ppm
Concentration per Run	-0.0012 ppm	24.1444 ppm	0.0617 ppm	0.0242 ppm	0.0968 ppm	0.0042 ppm	1,798.9982 ppm
Concentration per Run	-0.0003 ppm	24.3016 ppm	0.0566 ppm	0.0226 ppm	0.0969 ppm	0.0043 ppm	1,812.8853 ppm
Concentration RSD	60.1 %	0.5 %	6.6 %	4.4 %	0.4 %	1.7 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0199 ppm	0.0563 ppm	0.0561 ppm	0.1073 ppm	109.8568 ppm	17.1182 ppm	0.2588 ppm
Concentration per Run	-0.0200 ppm	0.0568 ppm	0.0565 ppm	0.1074 ppm	109.1948 ppm	17.0562 ppm	0.2618 ppm
Concentration per Run	-0.0201 ppm	0.0559 ppm	0.0560 ppm	0.1076 ppm	109.9249 ppm	17.1455 ppm	0.2564 ppm
Concentration per Run	-0.0197 ppm	0.0562 ppm	0.0558 ppm	0.1070 ppm	110.4507 ppm	17.1530 ppm	0.2581 ppm
Concentration RSD	1.0 %	0.8 %	0.7 %	0.3 %	0.6 %	0.3 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1,070.9904 [SIC 1000]	1.9523 ppm	0.0109 ppm	1.2874 ppm	0.0950 ppm	0.0558 ppm	-0.0002 ppm
Concentration per Run	1,075.4068 ppm	1.9423 ppm	0.0111 ppm	1.2839 ppm	0.0955 ppm	0.0547 ppm	-0.0046 ppm
Concentration per Run	1,066.8495 ppm	1.9506 ppm	0.0109 ppm	1.2829 ppm	0.0946 ppm	0.0536 ppm	0.0022 ppm
Concentration per Run	1,070.7149 ppm	1.9640 ppm	0.0107 ppm	1.2955 ppm	0.0949 ppm	0.0589 ppm	0.0017 ppm
Concentration RSD	0.4 %	0.6 %	1.5 %	0.5 %	0.5 %	5.0 %	1,678.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0033 ppm	2.9969 ppm	0.0045 ppm	0.5036 ppm	0.6190 ppm	-0.0005 ppm	0.1296 ppm
Concentration per Run	-0.0045 ppm	3.0042 ppm	0.0046 ppm	0.5016 ppm	0.6237 ppm	-0.0014 ppm	0.1295 ppm
Concentration per Run	-0.0033 ppm	3.0042 ppm	0.0035 ppm	0.5058 ppm	0.6161 ppm	-0.0021 ppm	0.1294 ppm
Concentration per Run	-0.0019 ppm	2.9824 ppm	0.0053 ppm	0.5034 ppm	0.6172 ppm	0.0020 ppm	0.1298 ppm
Concentration RSD	40.1 %	0.4 %	19.7 %	0.4 %	0.7 %	423.4 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0825 ppm	84.7070 %	92.7648 %	75.8080 %	88.7165 %	97.6274 %	90.5142 %
Concentration per Run	0.0836 ppm	84.3888 %	93.3104 %	74.4486 %	88.5232 %	98.1191 %	89.0975 %
Concentration per Run	0.0822 ppm	84.5650 %	93.3148 %	75.6596 %	88.8446 %	97.8595 %	90.1993 %
Concentration per Run	0.0817 ppm	85.1672 %	91.6691 %	77.3156 %	88.7819 %	96.9036 %	92.2458 %
Concentration RSD	1.2 %	0.5 %	1.0 %	1.9 %	0.2 %	0.7 %	1.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: eL2559451-13d2 WG2118566
 Analysis started at: 9/24/2025 11:52:51 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 41

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0006 ppm	36.3974 ppm	0.0533 ppm	0.0468 ppm	0.2292 ppm	0.0046 ppm	1,745.7165 [SIC 1000]
Concentration per Run	-0.0005 ppm	36.2769 ppm	0.0522 ppm	0.0471 ppm	0.2286 ppm	0.0046 ppm	1,739.9971 ppm
Concentration per Run	-0.0005 ppm	36.4586 ppm	0.0535 ppm	0.0477 ppm	0.2303 ppm	0.0045 ppm	1,753.1406 ppm
Concentration per Run	-0.0009 ppm	36.4568 ppm	0.0543 ppm	0.0455 ppm	0.2287 ppm	0.0046 ppm	1,744.0118 ppm
Concentration RSD	38.5 %	0.3 %	2.0 %	2.4 %	0.4 %	1.3 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0198 ppm	0.0432 ppm	0.0591 ppm	0.1078 ppm	101.1360 ppm	8.0163 ppm	0.2019 ppm
Concentration per Run	-0.0196 ppm	0.0425 ppm	0.0582 ppm	0.1078 ppm	100.9521 ppm	8.0239 ppm	0.1858 ppm
Concentration per Run	-0.0198 ppm	0.0439 ppm	0.0597 ppm	0.1072 ppm	101.5534 ppm	8.0500 ppm	0.2084 ppm
Concentration per Run	-0.0199 ppm	0.0431 ppm	0.0593 ppm	0.1083 ppm	100.9026 ppm	7.9751 ppm	0.2116 ppm
Concentration RSD	0.7 %	1.6 %	1.3 %	0.5 %	0.4 %	0.5 %	7.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	977.0242 [SIC 1000]	3.1012 ppm	0.0064 ppm	1.4554 ppm	0.0746 ppm	0.1252 ppm	0.0013 ppm
Concentration per Run	974.8072 ppm	3.1005 ppm	0.0070 ppm	1.4641 ppm	0.0730 ppm	0.1253 ppm	0.0004 ppm
Concentration per Run	980.2919 ppm	3.0922 ppm	0.0058 ppm	1.4561 ppm	0.0754 ppm	0.1248 ppm	0.0060 ppm
Concentration per Run	975.9734 ppm	3.1108 ppm	0.0064 ppm	1.4459 ppm	0.0755 ppm	0.1255 ppm	-0.0025 ppm
Concentration RSD	0.3 %	0.3 %	9.8 %	0.6 %	1.9 %	0.3 %	326.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0025 ppm	29.9441 [SIC 100]	0.0088 ppm	0.9105 ppm	0.9289 ppm	0.0001 ppm	0.1441 ppm
Concentration per Run	0.0003 ppm	29.7302 ppm	0.0060 ppm	0.9078 ppm	0.9258 ppm	-0.0014 ppm	0.1437 ppm
Concentration per Run	-0.0027 ppm	30.0271 ppm	0.0088 ppm	0.9144 ppm	0.9298 ppm	0.0014 ppm	0.1448 ppm
Concentration per Run	-0.0050 ppm	30.0749 ppm	0.0117 ppm	0.9092 ppm	0.9310 ppm	0.0002 ppm	0.1439 ppm
Concentration RSD	108.4 %	0.6 %	32.6 %	0.4 %	0.3 %	2,182.4 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3611 ppm	83.3093 %	95.0571 %	74.2641 %	87.4107 %	97.6438 %	88.2474 %
Concentration per Run	0.3593 ppm	83.7596 %	95.4936 %	73.8239 %	88.0789 %	99.0526 %	87.6915 %
Concentration per Run	0.3612 ppm	83.3121 %	94.3618 %	73.2396 %	87.3113 %	96.5757 %	86.9050 %
Concentration per Run	0.3627 ppm	82.8562 %	95.3158 %	75.7289 %	86.8420 %	97.3030 %	90.1457 %
Concentration RSD	0.5 %	0.5 %	0.6 %	1.8 %	0.7 %	1.3 %	1.9 %

ICP DataTrace 11

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LabBook: WG2118872_20250924_T11.imexp

Sample: L2559451-14d2 WG2118566
 Analysis started at: 9/24/2025 11:54:58 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 42

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0007 ppm	160.3526 ppm	0.1701 ppm	0.0093 ppm	0.6398 ppm	0.0191 ppm	16.4029 ppm
Concentration per Run	0.0013 ppm	163.8653 ppm	0.1737 ppm	0.0099 ppm	0.6527 ppm	0.0194 ppm	16.8042 ppm
Concentration per Run	0.0007 ppm	158.2402 ppm	0.1664 ppm	0.0085 ppm	0.6274 ppm	0.0188 ppm	16.1600 ppm
Concentration per Run	0.0001 ppm	158.9522 ppm	0.1702 ppm	0.0094 ppm	0.6391 ppm	0.0190 ppm	16.2444 ppm
Concentration RSD	85.9 %	1.9 %	2.1 %	7.9 %	2.0 %	1.6 %	2.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0006 ppm	0.1661 ppm	0.1952 ppm	0.2822 ppm	409.0766 ppm	11.7247 ppm	0.3270 ppm
Concentration per Run	0.0003 ppm	0.1632 ppm	0.1926 ppm	0.2804 ppm	418.2617 ppm	11.9950 ppm	0.3337 ppm
Concentration per Run	0.0008 ppm	0.1667 ppm	0.1955 ppm	0.2821 ppm	402.2816 ppm	11.4643 ppm	0.3199 ppm
Concentration per Run	0.0008 ppm	0.1684 ppm	0.1974 ppm	0.2840 ppm	406.6865 ppm	11.7147 ppm	0.3276 ppm
Concentration RSD	43.9 %	1.6 %	1.2 %	0.6 %	2.0 %	2.3 %	2.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	52.8970 ppm	11.7574 ppm	0.0102 ppm	0.3613 ppm	0.2739 ppm	0.2254 ppm	-0.0034 ppm
Concentration per Run	52.8187 ppm	12.0049 ppm	0.0104 ppm	0.3696 ppm	0.2729 ppm	0.2253 ppm	-0.0050 ppm
Concentration per Run	52.6634 ppm	11.5998 ppm	0.0097 ppm	0.3528 ppm	0.2721 ppm	0.2249 ppm	-0.0017 ppm
Concentration per Run	53.2090 ppm	11.6676 ppm	0.0104 ppm	0.3615 ppm	0.2769 ppm	0.2261 ppm	-0.0036 ppm
Concentration RSD	0.5 %	1.8 %	4.1 %	2.3 %	0.9 %	0.3 %	49.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0010 ppm	5.9063 ppm	0.0102 ppm	0.0390 ppm	2.1994 ppm	-0.0003 ppm	0.5068 ppm
Concentration per Run	0.0015 ppm	5.9079 ppm	0.0092 ppm	0.0400 ppm	2.2033 ppm	-0.0008 ppm	0.5055 ppm
Concentration per Run	-0.0034 ppm	5.8666 ppm	0.0111 ppm	0.0381 ppm	2.1891 ppm	0.0004 ppm	0.5048 ppm
Concentration per Run	-0.0010 ppm	5.9445 ppm	0.0104 ppm	0.0390 ppm	2.2059 ppm	-0.0004 ppm	0.5100 ppm
Concentration RSD	251.6 %	0.7 %	9.3 %	2.4 %	0.4 %	245.8 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4807 ppm	101.3477 %	107.4101 %	97.6114 %	116.7728 %	129.8490 %	122.5207 %
Concentration per Run	0.4785 ppm	101.5873 %	103.8560 %	97.0032 %	116.9317 %	127.3797 %	121.8501 %
Concentration per Run	0.4778 ppm	101.8235 %	109.6202 %	97.4323 %	117.4626 %	131.2695 %	122.1619 %
Concentration per Run	0.4857 ppm	100.6324 %	108.7541 %	98.3987 %	115.9241 %	130.8977 %	123.5500 %
Concentration RSD	0.9 %	0.6 %	2.9 %	0.7 %	0.7 %	1.7 %	0.7 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: L2559646-05d2 WG2118566
 Analysis started at: 9/24/2025 11:57:04 PM
 Comment: <Comment>
 Rack Number: 3
 Vial Numbers: 43

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	66.0237 ppm	0.0676 ppm	0.0174 ppm	0.3496 ppm	0.0035 ppm	14.7134 ppm
Concentration per Run	0.0013 ppm	66.0980 ppm	0.0681 ppm	0.0160 ppm	0.3504 ppm	0.0034 ppm	14.6834 ppm
Concentration per Run	-0.0003 ppm	66.3177 ppm	0.0689 ppm	0.0201 ppm	0.3491 ppm	0.0035 ppm	14.7297 ppm
Concentration per Run	0.0008 ppm	65.6553 ppm	0.0659 ppm	0.0162 ppm	0.3494 ppm	0.0034 ppm	14.7269 ppm
Concentration RSD	140.8 %	0.5 %	2.3 %	13.3 %	0.2 %	0.8 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0030 ppm	0.0210 ppm	0.1491 ppm	0.0775 ppm	165.2584 ppm	5.1464 ppm	0.0557 ppm
Concentration per Run	0.0031 ppm	0.0214 ppm	0.1479 ppm	0.0763 ppm	165.3204 ppm	5.1756 ppm	0.0577 ppm
Concentration per Run	0.0031 ppm	0.0207 ppm	0.1499 ppm	0.0777 ppm	165.2492 ppm	5.1238 ppm	0.0534 ppm
Concentration per Run	0.0029 ppm	0.0210 ppm	0.1495 ppm	0.0785 ppm	165.2057 ppm	5.1398 ppm	0.0561 ppm
Concentration RSD	4.1 %	1.5 %	0.7 %	1.4 %	0.0 %	0.5 %	3.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.7559 ppm	0.8857 ppm	0.0052 ppm	0.3569 ppm	0.0425 ppm	0.2003 ppm	0.0017 ppm
Concentration per Run	9.7068 ppm	0.8866 ppm	0.0049 ppm	0.3550 ppm	0.0428 ppm	0.1996 ppm	0.0055 ppm
Concentration per Run	9.8258 ppm	0.8914 ppm	0.0055 ppm	0.3657 ppm	0.0423 ppm	0.2020 ppm	0.0019 ppm
Concentration per Run	9.7350 ppm	0.8790 ppm	0.0053 ppm	0.3499 ppm	0.0424 ppm	0.1993 ppm	-0.0022 ppm
Concentration RSD	0.6 %	0.7 %	6.4 %	2.3 %	0.7 %	0.7 %	221.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0019 ppm	7.0776 ppm	0.0113 ppm	0.1083 ppm	1.2935 ppm	-0.0016 ppm	0.2385 ppm
Concentration per Run	0.0046 ppm	7.0086 ppm	0.0112 ppm	0.1082 ppm	1.2900 ppm	-0.0017 ppm	0.2365 ppm
Concentration per Run	0.0015 ppm	7.1351 ppm	0.0104 ppm	0.1078 ppm	1.3006 ppm	-0.0006 ppm	0.2402 ppm
Concentration per Run	-0.0003 ppm	7.0891 ppm	0.0124 ppm	0.1089 ppm	1.2897 ppm	-0.0024 ppm	0.2387 ppm
Concentration RSD	126.0 %	0.9 %	9.0 %	0.5 %	0.5 %	55.3 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4428 ppm	105.2370 %	107.4353 %	101.8817 %	104.5249 %	106.1756 %	106.6640 %
Concentration per Run	0.4383 ppm	105.7482 %	107.2427 %	102.5739 %	105.6313 %	107.2027 %	107.4927 %
Concentration per Run	0.4459 ppm	105.0892 %	106.9243 %	101.1198 %	104.2967 %	107.0934 %	105.8191 %
Concentration per Run	0.4441 ppm	104.8735 %	108.1389 %	101.9514 %	103.6466 %	104.2306 %	106.6801 %
Concentration RSD	0.9 %	0.4 %	0.6 %	0.7 %	1.0 %	1.6 %	0.8 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/24/2025 11:59:11 PM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4949 ppm	0.4793 ppm	0.4857 ppm	0.4900 ppm	0.4992 ppm	0.5084 ppm	0.5126 ppm
Concentration per Run	0.4960 ppm	0.4815 ppm	0.4882 ppm	0.4889 ppm	0.5039 ppm	0.5174 ppm	0.5203 ppm
Concentration per Run	0.4936 ppm	0.4826 ppm	0.4864 ppm	0.4911 ppm	0.4950 ppm	0.5017 ppm	0.5197 ppm
Concentration per Run	0.4949 ppm	0.4739 ppm	0.4823 ppm	0.4899 ppm	0.4987 ppm	0.5059 ppm	0.4979 ppm
Recovery Percentage	98.971 %	95.866 %	97.130 %	97.993 %	99.842 %	101.673 %	102.523 %
Concentration RSD	0.2 %	1.0 %	0.6 %	0.2 %	0.9 %	1.6 %	2.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4989 ppm	0.5068 ppm	0.4980 ppm	0.5147 ppm	0.5037 ppm	5.3275 ppm	0.5284 ppm
Concentration per Run	0.5003 ppm	0.5056 ppm	0.4974 ppm	0.5144 ppm	0.5161 ppm	5.3916 ppm	0.5357 ppm
Concentration per Run	0.4989 ppm	0.5065 ppm	0.4980 ppm	0.5141 ppm	0.4946 ppm	5.2727 ppm	0.5239 ppm
Concentration per Run	0.4974 ppm	0.5082 ppm	0.4985 ppm	0.5157 ppm	0.5005 ppm	5.3182 ppm	0.5257 ppm
Recovery Percentage	99.773 %	101.356 %	99.595 %	102.946 %	100.748 %	106.550 %	105.689 %
Concentration RSD	0.3 %	0.3 %	0.1 %	0.2 %	2.2 %	1.1 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5043 ppm	0.5049 ppm	0.4832 ppm	10.2271 ppm	0.5122 ppm	0.5089 ppm	0.5014 ppm
Concentration per Run	0.5082 ppm	0.5100 ppm	0.4843 ppm	10.2740 ppm	0.5124 ppm	0.5099 ppm	0.5015 ppm
Concentration per Run	0.5023 ppm	0.5045 ppm	0.4811 ppm	10.2561 ppm	0.5119 ppm	0.5085 ppm	0.5000 ppm
Concentration per Run	0.5023 ppm	0.5000 ppm	0.4841 ppm	10.1512 ppm	0.5124 ppm	0.5082 ppm	0.5026 ppm
Recovery Percentage	100.857 %	100.972 %	96.635 %	102.271 %	102.449 %	101.772 %	100.272 %
Concentration RSD	0.7 %	1.0 %	0.4 %	0.6 %	0.1 %	0.2 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4911 ppm	5.3807 ppm	0.4837 ppm	0.5032 ppm	0.4973 ppm	0.5102 ppm	0.5075 ppm
Concentration per Run	0.4931 ppm	5.3849 ppm	0.4897 ppm	0.5083 ppm	0.4997 ppm	0.5118 ppm	0.5085 ppm
Concentration per Run	0.4907 ppm	5.3647 ppm	0.4807 ppm	0.4987 ppm	0.4952 ppm	0.5120 ppm	0.5070 ppm
Concentration per Run	0.4896 ppm	5.3924 ppm	0.4808 ppm	0.5026 ppm	0.4969 ppm	0.5068 ppm	0.5068 ppm
Recovery Percentage	98.227 %	102.489 %	96.749 %	100.642 %	99.457 %	102.041 %	101.491 %
Concentration RSD	0.4 %	0.3 %	1.1 %	1.0 %	0.5 %	0.6 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5007 ppm	103.7247 %	104.7226 %	103.8701 %	100.8725 %	100.8314 %	103.2832 %
Concentration per Run	0.5022 ppm	102.8892 %	104.1827 %	103.2599 %	99.9842 %	99.3742 %	102.7067 %
Concentration per Run	0.4989 ppm	103.8759 %	105.0314 %	103.3801 %	100.8203 %	102.0788 %	102.7264 %
Concentration per Run	0.5009 ppm	104.4090 %	104.9536 %	104.9703 %	101.8131 %	101.0412 %	104.4166 %
Recovery Percentage	100.131 %						
Concentration RSD	0.3 %	0.7 %	0.4 %	0.9 %	0.9 %	1.4 %	1.0 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/25/2025 12:01:17 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0068 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0120 ppm
Concentration per Run	0.0008 ppm	0.0063 ppm	0.0015 ppm	-0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0111 ppm
Concentration per Run	-0.0002 ppm	0.0114 ppm	-0.0011 ppm	0.0015 ppm	0.0003 ppm	0.0001 ppm	0.0162 ppm
Concentration per Run	-0.0002 ppm	0.0027 ppm	-0.0005 ppm	-0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0087 ppm
Recovery Percentage	2.092 %	6.819 %	-0.539 %	0.323 %	2.204 %	0.890 %	11.995 %
Concentration RSD	406.6 %	64.6 %	5,188.4 %	1,265.1 %	22.0 %	114.0 %	31.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0011 ppm	0.0350 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0004 ppm	0.0024 ppm	0.0331 ppm	-0.0005 ppm
Concentration per Run	-0.0001 ppm	-0.0003 ppm	0.0002 ppm	0.0005 ppm	-0.0002 ppm	0.0409 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0010 ppm	0.0311 ppm	-0.0012 ppm
Recovery Percentage	-0.398 %	-0.375 %	2.270 %	0.318 %	2.136 %	1.401 %	-5.570 %
Concentration RSD	425.5 %	347.7 %	3.9 %	1,453.3 %	120.9 %	14.7 %	389.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0004 ppm	0.0002 ppm	0.0009 ppm	0.0258 ppm	-0.0009 ppm	0.0011 ppm	-0.0012 ppm
Concentration per Run	-0.0014 ppm	0.0001 ppm	0.0004 ppm	0.0232 ppm	-0.0006 ppm	0.0021 ppm	-0.0016 ppm
Concentration per Run	0.0007 ppm	0.0002 ppm	0.0009 ppm	0.0246 ppm	-0.0011 ppm	-0.0005 ppm	-0.0030 ppm
Concentration per Run	0.0018 ppm	0.0003 ppm	0.0014 ppm	0.0297 ppm	-0.0009 ppm	0.0018 ppm	0.0009 ppm
Recovery Percentage	0.354 %	1.811 %	1.810 %	1.292 %	-3.410 %	11.138 %	-2.447 %
Concentration RSD	467.4 %	74.9 %	53.3 %	13.2 %	30.7 %	129.3 %	159.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0007 ppm	0.0123 ppm	0.0016 ppm	0.0000 ppm	0.0005 ppm	-0.0002 ppm	-0.0003 ppm
Concentration per Run	-0.0006 ppm	0.0095 ppm	0.0010 ppm	0.0001 ppm	0.0004 ppm	0.0015 ppm	-0.0005 ppm
Concentration per Run	0.0002 ppm	0.0144 ppm	0.0017 ppm	-0.0001 ppm	0.0004 ppm	-0.0018 ppm	-0.0002 ppm
Concentration per Run	0.0025 ppm	0.0129 ppm	0.0021 ppm	0.0001 ppm	0.0006 ppm	-0.0003 ppm	0.0000 ppm
Recovery Percentage	7.191 %	2.451 %	3.251 %	0.353 %	4.766 %	-0.888 %	-2.563 %
Concentration RSD	220.5 %	20.6 %	33.0 %	249.4 %	17.5 %	945.4 %	102.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	103.2371 %	104.2216 %	103.1300 %	102.3997 %	102.7799 %	103.5896 %
Concentration per Run	0.0004 ppm	103.4165 %	104.0616 %	104.1198 %	102.5957 %	101.1327 %	104.5260 %
Concentration per Run	0.0006 ppm	102.8759 %	103.2025 %	102.4842 %	102.0230 %	103.7308 %	102.7342 %
Concentration per Run	-0.0005 ppm	103.4188 %	105.4007 %	102.7859 %	102.5803 %	103.4762 %	103.5085 %
Recovery Percentage	3.450 %						
Concentration RSD	320.0 %	0.3 %	1.1 %	0.8 %	0.3 %	1.4 %	0.9 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCV
 Analysis started at: 9/25/2025 12:03:25 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 3

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4943 ppm	0.4842 ppm	0.4837 ppm	0.4902 ppm	0.4968 ppm	0.5023 ppm	0.5093 ppm
Concentration per Run	0.4961 ppm	0.4911 ppm	0.4830 ppm	0.4873 ppm	0.5003 ppm	0.5063 ppm	0.5157 ppm
Concentration per Run	0.4917 ppm	0.4868 ppm	0.4885 ppm	0.4925 ppm	0.4984 ppm	0.5045 ppm	0.5067 ppm
Concentration per Run	0.4951 ppm	0.4748 ppm	0.4797 ppm	0.4908 ppm	0.4916 ppm	0.4961 ppm	0.5055 ppm
Recovery Percentage	98.859 %	96.844 %	96.743 %	98.045 %	99.351 %	100.463 %	101.856 %
Concentration RSD	0.5 %	1.7 %	0.9 %	0.5 %	0.9 %	1.1 %	1.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4939 ppm	0.5039 ppm	0.4942 ppm	0.5170 ppm	0.4912 ppm	5.2762 ppm	0.5223 ppm
Concentration per Run	0.4959 ppm	0.5051 ppm	0.4944 ppm	0.5184 ppm	0.4920 ppm	5.3123 ppm	0.5252 ppm
Concentration per Run	0.4919 ppm	0.5053 ppm	0.4943 ppm	0.5170 ppm	0.4947 ppm	5.2802 ppm	0.5246 ppm
Concentration per Run	0.4939 ppm	0.5012 ppm	0.4941 ppm	0.5156 ppm	0.4868 ppm	5.2360 ppm	0.5170 ppm
Recovery Percentage	98.775 %	100.771 %	98.849 %	103.393 %	98.233 %	105.524 %	104.453 %
Concentration RSD	0.4 %	0.5 %	0.0 %	0.3 %	0.8 %	0.7 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4944 ppm	0.5020 ppm	0.4807 ppm	10.1718 ppm	0.5099 ppm	0.5075 ppm	0.5105 ppm
Concentration per Run	0.4959 ppm	0.5049 ppm	0.4813 ppm	10.2239 ppm	0.5131 ppm	0.5080 ppm	0.5117 ppm
Concentration per Run	0.4908 ppm	0.5023 ppm	0.4781 ppm	10.1865 ppm	0.5092 ppm	0.5116 ppm	0.5102 ppm
Concentration per Run	0.4965 ppm	0.4988 ppm	0.4825 ppm	10.1049 ppm	0.5074 ppm	0.5028 ppm	0.5097 ppm
Recovery Percentage	98.882 %	100.397 %	96.135 %	101.718 %	101.986 %	101.494 %	102.108 %
Concentration RSD	0.6 %	0.6 %	0.5 %	0.6 %	0.6 %	0.9 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4901 ppm	5.3703 ppm	0.4831 ppm	0.5010 ppm	0.4950 ppm	0.5078 ppm	0.5053 ppm
Concentration per Run	0.4869 ppm	5.3813 ppm	0.4841 ppm	0.5047 ppm	0.4970 ppm	0.5093 ppm	0.5066 ppm
Concentration per Run	0.4964 ppm	5.3429 ppm	0.4794 ppm	0.5037 ppm	0.4930 ppm	0.5098 ppm	0.5031 ppm
Concentration per Run	0.4869 ppm	5.3866 ppm	0.4857 ppm	0.4946 ppm	0.4951 ppm	0.5045 ppm	0.5064 ppm
Recovery Percentage	98.014 %	102.291 %	96.615 %	100.202 %	99.006 %	101.568 %	101.066 %
Concentration RSD	1.1 %	0.4 %	0.7 %	1.1 %	0.4 %	0.6 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4952 ppm	107.0514 %	106.7092 %	105.4492 %	104.2262 %	102.7360 %	104.8931 %
Concentration per Run	0.4959 ppm	106.6412 %	107.9996 %	105.0771 %	103.6201 %	104.3792 %	104.4643 %
Concentration per Run	0.4952 ppm	107.8338 %	106.1667 %	104.7206 %	104.8249 %	102.0758 %	104.1925 %
Concentration per Run	0.4946 ppm	106.6792 %	105.9615 %	106.5499 %	104.2335 %	101.7529 %	106.0224 %
Recovery Percentage	99.050 %						
Concentration RSD	0.1 %	0.6 %	1.1 %	0.9 %	0.6 %	1.4 %	0.9 %

ICP DataTrace 11

9/25/2025 5:30:37 PM



LabBook: WG2118872_20250924_T11.imexp

Sample: CCB
 Analysis started at: 9/25/2025 12:05:31 AM
 Comment: <Comment>
 Rack Number: 0
 Vial Numbers: 4

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0047 ppm	-0.0009 ppm	0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0121 ppm
Concentration per Run	-0.0003 ppm	-0.0020 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0112 ppm
Concentration per Run	0.0001 ppm	-0.0073 ppm	-0.0031 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0156 ppm
Concentration per Run	-0.0002 ppm	-0.0048 ppm	-0.0010 ppm	0.0018 ppm	-0.0001 ppm	0.0001 ppm	0.0097 ppm
Recovery Percentage	-2.183 %	-4.684 %	-18.857 %	1.841 %	0.172 %	1.350 %	12.128 %
Concentration RSD	119.4 %	57.3 %	231.8 %	188.0 %	1,123.4 %	55.2 %	25.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0006 ppm	-0.0002 ppm	-0.0001 ppm	0.0006 ppm	0.0247 ppm	-0.0027 ppm
Concentration per Run	-0.0001 ppm	-0.0008 ppm	-0.0010 ppm	0.0004 ppm	0.0009 ppm	0.0263 ppm	-0.0020 ppm
Concentration per Run	-0.0002 ppm	-0.0007 ppm	-0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0146 ppm	-0.0036 ppm
Concentration per Run	-0.0001 ppm	-0.0003 ppm	0.0005 ppm	-0.0006 ppm	0.0005 ppm	0.0331 ppm	-0.0026 ppm
Recovery Percentage	-2.281 %	-2.946 %	-2.442 %	-0.648 %	1.106 %	0.988 %	-54.453 %
Concentration RSD	64.4 %	49.9 %	293.4 %	790.8 %	57.1 %	38.0 %	28.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0018 ppm	0.0001 ppm	0.0007 ppm	0.0315 ppm	-0.0009 ppm	0.0008 ppm	-0.0013 ppm
Concentration per Run	-0.0013 ppm	0.0001 ppm	0.0004 ppm	0.0296 ppm	0.0000 ppm	0.0007 ppm	0.0009 ppm
Concentration per Run	-0.0010 ppm	0.0000 ppm	0.0007 ppm	0.0289 ppm	-0.0014 ppm	0.0003 ppm	-0.0022 ppm
Concentration per Run	-0.0032 ppm	0.0004 ppm	0.0010 ppm	0.0360 ppm	-0.0014 ppm	0.0015 ppm	-0.0027 ppm
Recovery Percentage	-1.839 %	1.500 %	1.376 %	1.575 %	-3.729 %	8.357 %	-2.669 %
Concentration RSD	65.5 %	135.0 %	44.3 %	12.4 %	88.1 %	68.8 %	146.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0014 ppm	0.0089 ppm	0.0007 ppm	-0.0001 ppm	0.0002 ppm	0.0003 ppm	-0.0003 ppm
Concentration per Run	0.0026 ppm	0.0079 ppm	0.0016 ppm	0.0000 ppm	-0.0001 ppm	0.0008 ppm	-0.0006 ppm
Concentration per Run	0.0030 ppm	0.0089 ppm	-0.0006 ppm	-0.0001 ppm	0.0008 ppm	0.0013 ppm	-0.0002 ppm
Concentration per Run	-0.0014 ppm	0.0100 ppm	0.0011 ppm	-0.0002 ppm	-0.0001 ppm	-0.0014 ppm	-0.0001 ppm
Recovery Percentage	13.832 %	1.788 %	1.425 %	-0.786 %	1.817 %	1.269 %	-2.788 %
Concentration RSD	175.0 %	11.3 %	166.3 %	121.0 %	278.4 %	559.9 %	88.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	100.0848 %	105.8677 %	104.2088 %	99.6331 %	104.9621 %	104.9482 %
Concentration per Run	0.0003 ppm	101.0282 %	105.4916 %	102.9699 %	100.9143 %	104.6731 %	103.7809 %
Concentration per Run	0.0004 ppm	100.0827 %	107.8016 %	104.5139 %	99.5963 %	106.1616 %	105.2224 %
Concentration per Run	0.0000 ppm	99.1435 %	104.3099 %	105.1425 %	98.3888 %	104.0515 %	105.8413 %
Recovery Percentage	4.665 %						
Concentration RSD	86.8 %	0.9 %	1.7 %	1.1 %	1.3 %	1.0 %	1.0 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: Blank ZPC Trace6
 Analysis started at: 9/24/2025 4:42:38 PM
 Comments: <Comment>
 Rack: 0
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.4 %	-10.4 %	-0.2 %	0.1 %	0.1 %	0.1 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.0 %	0.3 %	-1.1 %	0.0 %	0.7 %	0.0 %	-0.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	2.7 %	0.2 %	0.1 %	-0.2 %	-0.4 %	-0.1 %	0.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.0 %	0.2 %	-1.7 %	-0.6 %	-0.1 %	-0.1 %	1.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	0.0000 ppm
Concentration per Run	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	0.0000 ppm
Concentration RSD	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	-1.2 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: ICAL
 Analysis started at: 9/24/2025 4:49:14 PM
 Comments: <Comment>
 Rack: 0
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	0.9772 ppm	23.6692 ppm	1.0087 ppm	1.0124 ppm	0.9527 ppm	0.9599 ppm	9.6374 ppm
Concentration per Run 2	1.0350 ppm	25.3723 ppm	1.0017 ppm	0.9988 ppm	1.0145 ppm	1.0168 ppm	10.2417 ppm
Concentration per Run 3	0.9878 ppm	25.9585 ppm	0.9896 ppm	0.9889 ppm	1.0328 ppm	1.0234 ppm	10.1209 ppm
Concentration RSD	3.1 %	4.8 %	1.0 %	1.2 %	4.2 %	3.5 %	3.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	10.0000 ppm
Concentration per Run 1	1.0078 ppm	1.0092 ppm	0.9795 ppm	0.9758 ppm	24.0254 ppm	32.5780 ppm	9.7830 ppm
Concentration per Run 2	0.9996 ppm	0.9995 ppm	1.0376 ppm	1.0355 ppm	25.4548 ppm	35.2758 ppm	10.3665 ppm
Concentration per Run 3	0.9927 ppm	0.9912 ppm	0.9830 ppm	0.9887 ppm	25.5198 ppm	37.1462 ppm	9.8505 ppm
Concentration RSD	0.8 %	0.9 %	3.3 %	3.1 %	3.4 %	6.6 %	3.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9625 ppm	1.0104 ppm	23.2371 ppm	1.0092 ppm	1.0083 ppm	1.0110 ppm	1.0115 ppm
Concentration per Run 2	1.0182 ppm	1.0000 ppm	25.1930 ppm	0.9995 ppm	1.0004 ppm	0.9987 ppm	1.0018 ppm
Concentration per Run 3	1.0193 ppm	0.9896 ppm	26.5699 ppm	0.9914 ppm	0.9913 ppm	0.9903 ppm	0.9867 ppm
Concentration RSD	3.3 %	1.0 %	6.7 %	0.9 %	0.9 %	1.0 %	1.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	10.1139 ppm	1.0087 ppm	0.9532 ppm	0.9777 ppm	1.0109 ppm	0.9799 ppm	1.0059 ppm
Concentration per Run 2	9.9886 ppm	1.0003 ppm	1.0142 ppm	1.0374 ppm	0.9970 ppm	1.0374 ppm	1.0011 ppm
Concentration per Run 3	9.8974 ppm	0.9909 ppm	1.0326 ppm	0.9848 ppm	0.9921 ppm	0.9828 ppm	0.9929 ppm
Concentration RSD	1.1 %	0.9 %	4.2 %	3.3 %	1.0 %	3.2 %	0.7 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.7742 %	92.2784 %	96.2221 %	101.2057 %	85.6364 %	92.5943 %	1.0000 ppm
Concentration per Run 1	99.7741 %	93.9052 %	95.3810 %	105.4399 %	84.5013 %	94.8194 %	0.9266 ppm
Concentration per Run 2	96.5373 %	89.1231 %	96.3124 %	99.4713 %	85.6021 %	89.3024 %	1.0083 ppm
Concentration per Run 3	97.0112 %	93.8069 %	96.9729 %	98.7059 %	86.8059 %	93.6611 %	1.0652 ppm
Concentration RSD	1.8 %	3.0 %	0.8 %	3.6 %	1.3 %	3.1 %	7.0 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: ICV
Analysis started at: 9/24/2025 4:55:25 PM
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4860 ppm	0.4918 ppm	0.4729 ppm	0.4817 ppm	0.4999 ppm	0.5109 ppm	0.5100 ppm
Concentration per Run 1	0.4856 ppm	0.4736 ppm	0.4672 ppm	0.4761 ppm	0.4823 ppm	0.4930 ppm	0.4869 ppm
Concentration per Run 2	0.4861 ppm	0.4953 ppm	0.4800 ppm	0.4890 ppm	0.5040 ppm	0.5173 ppm	0.5150 ppm
Concentration per Run 3	0.4862 ppm	0.5065 ppm	0.4715 ppm	0.4801 ppm	0.5134 ppm	0.5225 ppm	0.5283 ppm
Recovery Percentage 1	97.191 %	98.360 %	94.581 %	96.349 %	99.979 %	102.187 %	102.009 %
Concentration RSD	0.1 %	3.4 %	1.4 %	1.4 %	3.2 %	3.1 %	4.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4860 ppm	0.4971 ppm	0.4997 ppm	0.4974 ppm	0.5220 ppm	5.1732 ppm	0.5210 ppm
Concentration per Run 1	0.4844 ppm	0.4932 ppm	0.4997 ppm	0.4964 ppm	0.5028 ppm	4.9668 ppm	0.5238 ppm
Concentration per Run 2	0.4917 ppm	0.5037 ppm	0.5002 ppm	0.4971 ppm	0.5294 ppm	5.1716 ppm	0.5172 ppm
Concentration per Run 3	0.4818 ppm	0.4944 ppm	0.4993 ppm	0.4987 ppm	0.5338 ppm	5.3813 ppm	0.5219 ppm
Recovery Percentage 1	97.198 %	99.424 %	99.944 %	99.476 %	104.402 %	103.465 %	104.194 %
Concentration RSD	1.1 %	1.2 %	0.1 %	0.2 %	3.2 %	4.0 %	0.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5193 ppm	0.4828 ppm	9.9828 ppm	0.5016 ppm	0.5111 ppm	0.4993 ppm	0.4850 ppm
Concentration per Run 1	0.4997 ppm	0.4785 ppm	9.5881 ppm	0.4977 ppm	0.5059 ppm	0.4925 ppm	0.4774 ppm
Concentration per Run 2	0.5260 ppm	0.4896 ppm	9.9759 ppm	0.5082 ppm	0.5194 ppm	0.5067 ppm	0.4973 ppm
Concentration per Run 3	0.5321 ppm	0.4804 ppm	10.3845 ppm	0.4990 ppm	0.5079 ppm	0.4987 ppm	0.4802 ppm
Recovery Percentage 1	103.853 %	96.565 %	99.828 %	100.324 %	102.214 %	99.861 %	96.997 %
Concentration RSD	3.3 %	1.2 %	4.0 %	1.1 %	1.4 %	1.4 %	2.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.3345 ppm	0.4923 ppm	0.5060 ppm	0.4934 ppm	0.5264 ppm	0.5007 ppm	0.4909 ppm
Concentration per Run 1	5.2791 ppm	0.4887 ppm	0.4883 ppm	0.4929 ppm	0.5212 ppm	0.5000 ppm	0.4879 ppm
Concentration per Run 2	5.4118 ppm	0.4994 ppm	0.5106 ppm	0.4946 ppm	0.5357 ppm	0.5022 ppm	0.4980 ppm
Concentration per Run 3	5.3127 ppm	0.4887 ppm	0.5191 ppm	0.4928 ppm	0.5224 ppm	0.5000 ppm	0.4869 ppm
Recovery Percentage 1	101.610 %	98.457 %	101.197 %	98.683 %	105.284 %	100.142 %	98.181 %
Concentration RSD	1.3 %	1.3 %	3.1 %	0.2 %	1.5 %	0.3 %	1.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.1273 %	97.0785 %	97.7551 %	101.1559 %	92.5392 %	97.9143 %	0.4993 ppm
Concentration per Run 1	100.8873 %	97.0836 %	99.0689 %	104.5333 %	93.6290 %	97.9619 %	0.4805 ppm
Concentration per Run 2	98.3484 %	97.2319 %	96.6714 %	100.2295 %	91.4783 %	98.0345 %	0.4982 ppm
Concentration per Run 3	98.1461 %	96.9199 %	97.5251 %	98.7048 %	92.5102 %	97.7465 %	0.5194 ppm
Recovery Percentage 1							99.869 %
Concentration RSD	1.5 %	0.2 %	1.2 %	3.0 %	1.2 %	0.2 %	3.9 %

ICP DataTrace 6

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LabBook: WG2119193_09242025T6.imexp

Sample: ICB
Analysis started at: 9/24/2025 5:01:42 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	-0.0005 ppm	0.0009 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 1	0.0002 ppm	-0.0052 ppm	0.0015 ppm	0.0009 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 2	0.0001 ppm	0.0040 ppm	0.0006 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run 3	0.0004 ppm	-0.0003 ppm	0.0005 ppm	0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0051 ppm
Recovery Percentage 1	3.646 %	-0.482 %	17.424 %	2.100 %	-0.502 %	-0.348 %	1.538 %
Concentration RSD	73.8 %	955.7 %	62.1 %	40.2 %	162.1 %	86.2 %	203.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	-0.0027 ppm	0.0001 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0002 ppm	-0.0025 ppm	-0.0091 ppm	-0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0019 ppm	0.0068 ppm	-0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0001 ppm	-0.0058 ppm	0.0007 ppm
Recovery Percentage 1	-1.605 %	0.196 %	0.132 %	-1.797 %	-0.330 %	-0.109 %	0.144 %
Concentration RSD	69.4 %	243.5 %	1,512.7 %	30.2 %	1,333.5 %	310.5 %	358.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0001 ppm	0.0006 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm	0.0009 ppm	-0.0005 ppm
Concentration per Run 1	0.0003 ppm	0.0007 ppm	-0.0021 ppm	0.0000 ppm	0.0004 ppm	0.0007 ppm	-0.0020 ppm
Concentration per Run 2	0.0001 ppm	0.0007 ppm	0.0012 ppm	0.0003 ppm	0.0001 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0005 ppm	0.0022 ppm	-0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0006 ppm
Recovery Percentage 1	1.404 %	1.268 %	0.023 %	0.230 %	1.015 %	1.709 %	-4.786 %
Concentration RSD	89.3 %	22.5 %	491.9 %	322.0 %	297.1 %	77.5 %	277.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0006 ppm	-0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run 1	0.0007 ppm	-0.0004 ppm	0.0000 ppm	0.0003 ppm	0.0011 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run 2	0.0006 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run 3	0.0004 ppm	-0.0003 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm	-0.0001 ppm
Recovery Percentage 1	0.113 %	-0.560 %	-0.222 %	2.056 %	2.580 %	1.412 %	-4.548 %
Concentration RSD	22.5 %	31.1 %	32.5 %	47.8 %	131.6 %	83.6 %	38.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.1702 %	99.1922 %	99.5994 %	100.4542 %	100.3435 %	98.8115 %	0.0001 ppm
Concentration per Run 1	100.3311 %	99.1746 %	99.8537 %	102.2477 %	99.4519 %	99.0423 %	0.0000 ppm
Concentration per Run 2	98.5545 %	99.2150 %	99.1944 %	100.0580 %	100.9731 %	98.6848 %	0.0002 ppm
Concentration per Run 3	98.6248 %	99.1869 %	99.7501 %	99.0568 %	100.6056 %	98.7074 %	0.0000 ppm
Recovery Percentage 1							0.981 %
Concentration RSD	1.0 %	0.0 %	0.4 %	1.6 %	0.8 %	0.2 %	126.8 %

ICP DataTrace 6

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LabBook: WG2119193_09242025T6.imexp

Sample: ICV
Analysis started at: 9/24/2025 5:08:20 PM
Comments: <Comment>
Rack: 0
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4823 ppm	0.4804 ppm	0.4596 ppm	0.4732 ppm	0.4869 ppm	0.4929 ppm	0.4999 ppm
Concentration per Run 1	0.4875 ppm	0.4529 ppm	0.4660 ppm	0.4780 ppm	0.4632 ppm	0.4665 ppm	0.4718 ppm
Concentration per Run 2	0.4854 ppm	0.4871 ppm	0.4645 ppm	0.4795 ppm	0.4947 ppm	0.5011 ppm	0.5120 ppm
Concentration per Run 3	0.4739 ppm	0.5013 ppm	0.4483 ppm	0.4621 ppm	0.5027 ppm	0.5110 ppm	0.5160 ppm
Recovery Percentage 1	96.452 %	96.085 %	91.922 %	94.647 %	97.375 %	98.573 %	99.985 %
Concentration RSD	1.5 %	5.2 %	2.1 %	2.0 %	4.3 %	4.7 %	4.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4759 ppm	0.4833 ppm	0.4880 ppm	0.4851 ppm	0.4992 ppm	4.9826 ppm	0.5066 ppm
Concentration per Run 1	0.4816 ppm	0.4889 ppm	0.4894 ppm	0.4914 ppm	0.4755 ppm	4.7533 ppm	0.5106 ppm
Concentration per Run 2	0.4808 ppm	0.4896 ppm	0.4941 ppm	0.4875 ppm	0.5026 ppm	5.0427 ppm	0.5123 ppm
Concentration per Run 3	0.4652 ppm	0.4714 ppm	0.4805 ppm	0.4764 ppm	0.5196 ppm	5.1518 ppm	0.4968 ppm
Recovery Percentage 1	95.171 %	96.657 %	97.595 %	97.023 %	99.844 %	99.652 %	101.313 %
Concentration RSD	1.9 %	2.1 %	1.4 %	1.6 %	4.5 %	4.1 %	1.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5009 ppm	0.4681 ppm	9.5383 ppm	0.4882 ppm	0.4964 ppm	0.4829 ppm	0.4695 ppm
Concentration per Run 1	0.4732 ppm	0.4732 ppm	9.1017 ppm	0.4931 ppm	0.5026 ppm	0.4894 ppm	0.4762 ppm
Concentration per Run 2	0.5098 ppm	0.4750 ppm	9.6700 ppm	0.4944 ppm	0.5015 ppm	0.4896 ppm	0.4748 ppm
Concentration per Run 3	0.5198 ppm	0.4563 ppm	9.8432 ppm	0.4771 ppm	0.4852 ppm	0.4697 ppm	0.4574 ppm
Recovery Percentage 1	100.186 %	93.629 %	95.383 %	97.642 %	99.284 %	96.574 %	93.890 %
Concentration RSD	4.9 %	2.2 %	4.1 %	2.0 %	2.0 %	2.4 %	2.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.2041 ppm	0.4828 ppm	0.4709 ppm	0.4835 ppm	0.5044 ppm	0.4901 ppm	0.4835 ppm
Concentration per Run 1	5.2556 ppm	0.4892 ppm	0.4484 ppm	0.4870 ppm	0.5097 ppm	0.4927 ppm	0.4909 ppm
Concentration per Run 2	5.2850 ppm	0.4872 ppm	0.4786 ppm	0.4882 ppm	0.5127 ppm	0.4951 ppm	0.4869 ppm
Concentration per Run 3	5.0716 ppm	0.4721 ppm	0.4859 ppm	0.4755 ppm	0.4907 ppm	0.4826 ppm	0.4727 ppm
Recovery Percentage 1	99.125 %	96.565 %	94.188 %	96.706 %	100.876 %	98.028 %	96.696 %
Concentration RSD	2.2 %	1.9 %	4.2 %	1.4 %	2.4 %	1.4 %	2.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.6930 %	97.7365 %	99.9558 %	103.3150 %	94.5690 %	98.3965 %	0.4795 ppm
Concentration per Run 1	102.7373 %	97.2466 %	99.6431 %	108.4018 %	93.7102 %	97.8275 %	0.4578 ppm
Concentration per Run 2	98.3530 %	97.0736 %	99.1530 %	101.6437 %	93.0793 %	97.6632 %	0.4865 ppm
Concentration per Run 3	97.9886 %	98.8893 %	101.0712 %	99.8994 %	96.9176 %	99.6989 %	0.4943 ppm
Recovery Percentage 1							95.903 %
Concentration RSD	2.7 %	1.0 %	1.0 %	4.3 %	2.2 %	1.1 %	4.0 %

ICP DataTrace 6

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LabBook: WG2119193_09242025T6.imexp

Sample: ICB
Analysis started at: 9/24/2025 5:14:42 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0007 ppm	0.0005 ppm	0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 1	0.0001 ppm	-0.0016 ppm	0.0005 ppm	0.0005 ppm	0.0000 ppm	0.0001 ppm	-0.0017 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 3	0.0003 ppm	-0.0005 ppm	0.0006 ppm	0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0035 ppm
Recovery Percentage 1	2.578 %	-0.714 %	9.434 %	1.689 %	-0.603 %	0.414 %	1.176 %
Concentration RSD	72.2 %	108.5 %	34.5 %	4.9 %	78.6 %	240.7 %	226.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0017 ppm	-0.0037 ppm	0.0010 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0004 ppm	-0.0015 ppm	0.0041 ppm	0.0011 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0003 ppm	-0.0019 ppm	-0.0073 ppm	0.0012 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0002 ppm	-0.0018 ppm	-0.0081 ppm	0.0006 ppm
Recovery Percentage 1	-1.334 %	-0.297 %	0.949 %	-2.821 %	-3.457 %	-0.150 %	0.966 %
Concentration RSD	23.7 %	224.3 %	230.6 %	47.7 %	11.5 %	182.8 %	36.8 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0001 ppm	0.0005 ppm	-0.0014 ppm	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm	-0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0006 ppm	-0.0031 ppm	-0.0002 ppm	-0.0007 ppm	0.0000 ppm	-0.0028 ppm
Concentration per Run 2	0.0004 ppm	0.0004 ppm	0.0013 ppm	-0.0002 ppm	0.0005 ppm	-0.0004 ppm	0.0006 ppm
Concentration per Run 3	0.0000 ppm	0.0004 ppm	-0.0025 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm
Recovery Percentage 1	1.185 %	0.948 %	-0.070 %	-0.347 %	-0.947 %	-0.374 %	-7.474 %
Concentration RSD	181.0 %	27.7 %	171.0 %	235.4 %	630.2 %	109.2 %	243.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run 1	0.0009 ppm	-0.0005 ppm	0.0000 ppm	0.0005 ppm	0.0019 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0004 ppm	-0.0006 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run 3	-0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm	-0.0012 ppm	0.0002 ppm	-0.0003 ppm
Recovery Percentage 1	0.043 %	-0.497 %	0.073 %	4.358 %	0.154 %	1.537 %	-4.985 %
Concentration RSD	265.4 %	97.6 %	526.3 %	15.7 %	5,474.2 %	19.0 %	49.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.9857 %	99.5307 %	100.9161 %	99.8693 %	102.1110 %	99.6221 %	0.0002 ppm
Concentration per Run 1	99.6653 %	99.6074 %	100.8140 %	101.1755 %	101.3371 %	98.9981 %	0.0003 ppm
Concentration per Run 2	98.4717 %	99.0531 %	102.2484 %	99.4291 %	104.5336 %	99.5667 %	0.0000 ppm
Concentration per Run 3	98.8203 %	99.9316 %	99.6859 %	99.0032 %	100.4624 %	100.3013 %	0.0002 ppm
Recovery Percentage 1							1.700 %
Concentration RSD	0.6 %	0.4 %	1.3 %	1.2 %	2.1 %	0.7 %	78.7 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: LLOQ RL Check
 Analysis started at: 9/24/2025 5:21:23 PM
 Comments: <Comment>
 Rack: 0
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0054 ppm	0.1009 ppm	0.0047 ppm	0.0311 ppm	0.0099 ppm	0.0052 ppm	0.1096 ppm
Concentration per Run 1	0.0053 ppm	0.1053 ppm	0.0057 ppm	0.0310 ppm	0.0097 ppm	0.0050 ppm	0.1056 ppm
Concentration per Run 2	0.0054 ppm	0.1010 ppm	0.0045 ppm	0.0317 ppm	0.0100 ppm	0.0052 ppm	0.1104 ppm
Concentration per Run 3	0.0055 ppm	0.0964 ppm	0.0040 ppm	0.0307 ppm	0.0101 ppm	0.0053 ppm	0.1128 ppm
Recovery Percentage 1	108.466 %	100.899 %	94.887 %	103.742 %	99.234 %	103.616 %	109.596 %
Concentration RSD	2.0 %	4.4 %	18.7 %	1.7 %	2.2 %	2.9 %	3.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0038 ppm	0.0094 ppm	0.0100 ppm	0.0095 ppm	0.0514 ppm	2.4654 ppm	0.1082 ppm
Concentration per Run 1	0.0039 ppm	0.0095 ppm	0.0100 ppm	0.0097 ppm	0.0503 ppm	2.4271 ppm	0.1084 ppm
Concentration per Run 2	0.0039 ppm	0.0094 ppm	0.0100 ppm	0.0094 ppm	0.0510 ppm	2.4508 ppm	0.1061 ppm
Concentration per Run 3	0.0037 ppm	0.0093 ppm	0.0100 ppm	0.0094 ppm	0.0531 ppm	2.5182 ppm	0.1101 ppm
Recovery Percentage 1	95.537 %	93.932 %	100.162 %	95.097 %	102.897 %	98.615 %	108.196 %
Concentration RSD	2.8 %	1.4 %	0.3 %	2.2 %	2.8 %	1.9 %	1.9 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0107 ppm	0.0463 ppm	1.8855 ppm	0.0190 ppm	0.0101 ppm	0.0481 ppm	0.0093 ppm
Concentration per Run 1	0.0105 ppm	0.0465 ppm	1.8635 ppm	0.0192 ppm	0.0107 ppm	0.0482 ppm	0.0092 ppm
Concentration per Run 2	0.0108 ppm	0.0467 ppm	1.8729 ppm	0.0193 ppm	0.0099 ppm	0.0486 ppm	0.0091 ppm
Concentration per Run 3	0.0109 ppm	0.0456 ppm	1.9200 ppm	0.0183 ppm	0.0098 ppm	0.0474 ppm	0.0097 ppm
Recovery Percentage 1	107.142 %	92.534 %	94.273 %	94.884 %	101.237 %	96.102 %	92.996 %
Concentration RSD	1.7 %	1.2 %	1.6 %	2.9 %	4.9 %	1.3 %	3.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.4959 ppm	0.0488 ppm	0.0101 ppm	0.0100 ppm	0.0193 ppm	0.0101 ppm	0.0049 ppm
Concentration per Run 1	0.4976 ppm	0.0489 ppm	0.0099 ppm	0.0099 ppm	0.0197 ppm	0.0099 ppm	0.0050 ppm
Concentration per Run 2	0.5010 ppm	0.0500 ppm	0.0102 ppm	0.0098 ppm	0.0206 ppm	0.0102 ppm	0.0049 ppm
Concentration per Run 3	0.4891 ppm	0.0475 ppm	0.0103 ppm	0.0102 ppm	0.0175 ppm	0.0101 ppm	0.0049 ppm
Recovery Percentage 1	99.178 %	97.622 %	101.300 %	99.661 %	96.379 %	100.794 %	98.275 %
Concentration RSD	1.2 %	2.6 %	2.2 %	1.7 %	8.3 %	1.5 %	1.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.2580 %	99.6527 %	100.9750 %	102.3105 %	99.4014 %	100.9901 %	0.0098 ppm
Concentration per Run 1	101.0649 %	99.4661 %	101.1683 %	105.3055 %	99.1349 %	100.7907 %	0.0096 ppm
Concentration per Run 2	98.6137 %	99.7936 %	100.4029 %	101.4185 %	98.4623 %	101.1801 %	0.0097 ppm
Concentration per Run 3	98.0953 %	99.6983 %	101.3539 %	100.2076 %	100.6069 %	100.9995 %	0.0101 ppm
Recovery Percentage 1							97.746 %
Concentration RSD	1.6 %	0.2 %	0.5 %	2.6 %	1.1 %	0.2 %	2.6 %

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LabBook: WG2119193_09242025T6.imexp

Sample: ICSA
Analysis started at: 9/24/2025 5:28:00 PM
Comments: <Comment>
Rack: 0
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0006 ppm	523.5406 [SIC 500]	-0.0007 ppm	0.0072 ppm	0.0021 ppm	0.0000 ppm	504.7014 [SIC 1000]
Concentration per Run 1	0.0005 ppm	518.1175 ppm	-0.0039 ppm	0.0069 ppm	0.0021 ppm	0.0000 ppm	494.1056 ppm
Concentration per Run 2	0.0005 ppm	517.2411 ppm	0.0004 ppm	0.0071 ppm	0.0021 ppm	0.0000 ppm	507.5563 ppm
Concentration per Run 3	0.0009 ppm	535.2634 ppm	0.0013 ppm	0.0074 ppm	0.0021 ppm	0.0000 ppm	512.4424 ppm
Recovery Percentage 1	8.858 %	523,540.636 %	-14.535 %	23.838 %	21.045 %	-0.484 %	504,701.409 %
Concentration RSD	34.9 %	1.9 %	378.4 %	3.3 %	1.2 %	73.8 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0053 ppm	0.0002 ppm	-0.0017 ppm	-0.0088 ppm	190.6501 ppm	-0.0014 ppm	409.6949 ppm
Concentration per Run 1	-0.0055 ppm	0.0002 ppm	-0.0015 ppm	-0.0091 ppm	190.3061 ppm	-0.0004 ppm	409.3639 ppm
Concentration per Run 2	-0.0054 ppm	0.0000 ppm	-0.0018 ppm	-0.0088 ppm	190.6758 ppm	0.0017 ppm	421.1076 ppm
Concentration per Run 3	-0.0051 ppm	0.0004 ppm	-0.0018 ppm	-0.0084 ppm	190.9683 ppm	-0.0054 ppm	398.6131 ppm
Recovery Percentage 1	-133.320 %	1.091 %	-16.936 %	-87.811 %	381,300.141 %	-0.055 %	409,694.868 %
Concentration RSD	3.5 %	84.8 %	11.0 %	4.3 %	0.2 %	262.7 %	2.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0022 ppm	-0.0029 ppm	0.0243 ppm	-0.0132 ppm	0.0060 ppm	-0.0149 ppm	-0.0042 ppm
Concentration per Run 1	0.0024 ppm	-0.0025 ppm	0.0204 ppm	-0.0135 ppm	0.0052 ppm	-0.0177 ppm	-0.0056 ppm
Concentration per Run 2	0.0020 ppm	-0.0031 ppm	0.0267 ppm	-0.0134 ppm	0.0067 ppm	-0.0140 ppm	-0.0049 ppm
Concentration per Run 3	0.0023 ppm	-0.0032 ppm	0.0259 ppm	-0.0126 ppm	0.0062 ppm	-0.0130 ppm	-0.0021 ppm
Recovery Percentage 1	22.423 %	-5.878 %	1.216 %	-52.681 %	60.449 %	-29.746 %	-42.188 %
Concentration RSD	9.4 %	12.0 %	14.1 %	3.5 %	12.4 %	16.6 %	44.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	-0.0146 ppm	0.0039 ppm	0.0036 ppm	0.0002 ppm	-0.0173 ppm	0.0016 ppm	0.0005 ppm
Concentration per Run 1	-0.0153 ppm	0.0038 ppm	0.0037 ppm	0.0002 ppm	-0.0150 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run 2	-0.0134 ppm	0.0049 ppm	0.0036 ppm	0.0003 ppm	-0.0178 ppm	0.0018 ppm	0.0007 ppm
Concentration per Run 3	-0.0150 ppm	0.0031 ppm	0.0036 ppm	0.0001 ppm	-0.0191 ppm	0.0014 ppm	0.0005 ppm
Recovery Percentage 1	-2.913 %	7.865 %	36.176 %	2.280 %	-86.517 %	15.826 %	9.685 %
Concentration RSD	7.1 %	22.2 %	2.0 %	42.3 %	12.0 %	11.5 %	53.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	88.7258 %	82.7869 %	82.4848 %	90.9623 %	58.2912 %	83.8506 %	0.0007 ppm
Concentration per Run 1	88.7157 %	82.8952 %	82.4067 %	91.8354 %	58.5840 %	83.9398 %	0.0010 ppm
Concentration per Run 2	88.7474 %	81.5522 %	82.0274 %	90.5825 %	57.8333 %	82.6667 %	0.0007 ppm
Concentration per Run 3	88.7142 %	83.9133 %	83.0203 %	90.4689 %	58.4562 %	84.9453 %	0.0006 ppm
Recovery Percentage 1							7.325 %
Concentration RSD	0.0 %	1.4 %	0.6 %	0.8 %	0.7 %	1.4 %	30.5 %

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LabBook: WG2119193_09242025T6.imexp

Sample: SIC Cr Mn V Ti
 Analysis started at: 9/24/2025 5:35:00 PM
 Comments: <Comment>
 Rack: 0
 Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0032 ppm	0.0094 ppm	0.0013 ppm	0.0033 ppm	0.0001 ppm	0.0044 ppm	-0.0010 ppm
Concentration per Run 1	0.0028 ppm	0.0088 ppm	0.0008 ppm	0.0032 ppm	0.0001 ppm	0.0039 ppm	0.0022 ppm
Concentration per Run 2	0.0035 ppm	0.0092 ppm	0.0007 ppm	0.0033 ppm	0.0002 ppm	0.0048 ppm	-0.0020 ppm
Concentration per Run 3	0.0032 ppm	0.0102 ppm	0.0023 ppm	0.0034 ppm	0.0001 ppm	0.0044 ppm	-0.0033 ppm
Recovery Percentage 1	45.185 %	9.387 %	25.244 %	10.993 %	1.135 %	87.383 %	-1.046 %
Concentration RSD	10.5 %	7.4 %	72.0 %	2.9 %	40.0 %	10.1 %	272.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0013 ppm	0.0044 ppm	19.1215 ppm	-0.0050 ppm	-0.0401 ppm	0.0023 ppm	-0.0777 ppm
Concentration per Run 1	-0.0013 ppm	0.0051 ppm	19.1029 ppm	-0.0051 ppm	-0.0351 ppm	-0.0037 ppm	-0.0818 ppm
Concentration per Run 2	-0.0012 ppm	0.0039 ppm	19.3802 ppm	-0.0048 ppm	-0.0434 ppm	-0.0012 ppm	-0.0771 ppm
Concentration per Run 3	-0.0014 ppm	0.0042 ppm	18.8814 ppm	-0.0052 ppm	-0.0418 ppm	0.0116 ppm	-0.0742 ppm
Recovery Percentage 1	-32.550 %	21.951 %	191,214.838 %	-50.330 %	-80.217 %	0.090 %	-77.679 %
Concentration RSD	4.5 %	13.4 %	1.3 %	4.3 %	11.0 %	364.4 %	5.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	20.4544 [SIC 20]	-0.0024 ppm	0.0048 ppm	0.0002 ppm	-0.0099 ppm	0.0167 ppm	-0.0040 ppm
Concentration per Run 1	19.7643 ppm	-0.0022 ppm	0.0018 ppm	0.0002 ppm	-0.0099 ppm	0.0199 ppm	-0.0034 ppm
Concentration per Run 2	20.7139 ppm	-0.0026 ppm	0.0085 ppm	0.0006 ppm	-0.0100 ppm	0.0147 ppm	-0.0049 ppm
Concentration per Run 3	20.8851 ppm	-0.0025 ppm	0.0041 ppm	-0.0002 ppm	-0.0100 ppm	0.0155 ppm	-0.0038 ppm
Recovery Percentage 1	204,544.273 %	-4.837 %	0.240 %	0.771 %	-99.455 %	33.344 %	-40.361 %
Concentration RSD	3.0 %	6.7 %	71.0 %	190.0 %	0.5 %	16.7 %	18.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.2362 ppm	-0.0016 ppm	0.0005 ppm	19.5807 ppm	-0.0111 ppm	9.7238 ppm	0.0009 ppm
Concentration per Run 1	0.2427 ppm	-0.0014 ppm	0.0005 ppm	19.6963 ppm	-0.0110 ppm	9.8218 ppm	-0.0004 ppm
Concentration per Run 2	0.2321 ppm	-0.0024 ppm	0.0005 ppm	19.5839 ppm	-0.0116 ppm	9.6871 ppm	0.0019 ppm
Concentration per Run 3	0.2338 ppm	-0.0010 ppm	0.0005 ppm	19.4617 ppm	-0.0108 ppm	9.6624 ppm	0.0012 ppm
Recovery Percentage 1	47.233 %	-3.178 %	4.940 %	195,806.571 %	-55.700 %	97,237.700 %	17.830 %
Concentration RSD	2.4 %	44.6 %	8.1 %	0.6 %	3.4 %	0.9 %	132.7 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.6268 %	97.2996 %	99.4415 %	100.5542 %	94.5598 %	95.6285 %	-0.0012 ppm
Concentration per Run 1	98.6095 %	95.5780 %	99.7451 %	103.4353 %	95.1270 %	93.8075 %	-0.0015 ppm
Concentration per Run 2	97.1657 %	98.2763 %	99.3410 %	99.4643 %	93.9185 %	96.5309 %	-0.0010 ppm
Concentration per Run 3	97.1051 %	98.0444 %	99.2383 %	98.7631 %	94.6340 %	96.5472 %	-0.0010 ppm
Recovery Percentage 1							-11.858 %
Concentration RSD	0.9 %	1.5 %	0.3 %	2.5 %	0.6 %	1.6 %	21.9 %

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9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: LDR 500 Mg pass
Analysis started at: 9/24/2025 5:42:30 PM
Comments: <Comment>
Rack: 1
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0018 ppm	0.0015 ppm	0.0009 ppm	0.0028 ppm	0.0005 ppm	0.0000 ppm	0.0359 ppm
Concentration per Run 1	0.0015 ppm	-0.0002 ppm	0.0006 ppm	0.0028 ppm	0.0005 ppm	0.0000 ppm	0.0360 ppm
Concentration per Run 2	0.0021 ppm	0.0040 ppm	0.0006 ppm	0.0028 ppm	0.0005 ppm	0.0000 ppm	0.0368 ppm
Concentration per Run 3	0.0018 ppm	0.0007 ppm	0.0014 ppm	0.0030 ppm	0.0005 ppm	0.0000 ppm	0.0350 ppm
Concentration RSD	17.9 %	144.0 %	51.5 %	3.8 %	2.0 %	201.6 %	2.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	0.0008 ppm	0.0000 ppm	-0.0050 ppm	-0.0518 ppm	-0.0016 ppm	480.0026 ppm
Concentration per Run 1	0.0001 ppm	0.0010 ppm	0.0000 ppm	-0.0050 ppm	-0.0501 ppm	-0.0020 ppm	480.0305 ppm
Concentration per Run 2	0.0001 ppm	0.0007 ppm	0.0001 ppm	-0.0051 ppm	-0.0519 ppm	0.0021 ppm	484.4235 ppm
Concentration per Run 3	0.0001 ppm	0.0007 ppm	0.0000 ppm	-0.0049 ppm	-0.0533 ppm	-0.0049 ppm	475.5539 ppm
Concentration RSD	43.2 %	19.8 %	154.6 %	2.6 %	3.1 %	222.0 %	0.9 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0033 ppm	0.0002 ppm	0.0041 ppm	0.0008 ppm	-0.0003 ppm	0.0019 ppm	-0.0005 ppm
Concentration per Run 1	0.0036 ppm	0.0004 ppm	0.0012 ppm	0.0009 ppm	-0.0006 ppm	0.0032 ppm	-0.0011 ppm
Concentration per Run 2	0.0033 ppm	0.0002 ppm	0.0042 ppm	0.0008 ppm	-0.0010 ppm	0.0009 ppm	-0.0035 ppm
Concentration per Run 3	0.0031 ppm	0.0000 ppm	0.0068 ppm	0.0006 ppm	0.0006 ppm	0.0015 ppm	0.0030 ppm
Concentration RSD	7.3 %	111.7 %	68.4 %	21.8 %	264.0 %	63.3 %	622.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0065 ppm	0.0017 ppm	0.0102 ppm	0.0026 ppm	-0.0024 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run 1	0.0062 ppm	0.0015 ppm	0.0100 ppm	0.0027 ppm	-0.0020 ppm	-0.0005 ppm	-0.0002 ppm
Concentration per Run 2	0.0071 ppm	0.0018 ppm	0.0100 ppm	0.0027 ppm	-0.0029 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 3	0.0063 ppm	0.0018 ppm	0.0105 ppm	0.0025 ppm	-0.0024 ppm	-0.0005 ppm	-0.0001 ppm
Concentration RSD	7.3 %	13.1 %	2.9 %	3.2 %	18.7 %	11.7 %	82.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	94.1538 %	87.8164 %	88.6677 %	95.8976 %	73.0870 %	88.8899 %	0.0001 ppm
Concentration per Run 1	95.5155 %	87.8909 %	88.3050 %	97.5124 %	72.9274 %	88.9265 %	0.0004 ppm
Concentration per Run 2	93.7235 %	87.9128 %	88.7375 %	95.6621 %	72.0955 %	89.0157 %	-0.0001 ppm
Concentration per Run 3	93.2225 %	87.6454 %	88.9604 %	94.5183 %	74.2382 %	88.7276 %	0.0000 ppm
Concentration RSD	1.3 %	0.2 %	0.4 %	1.6 %	1.5 %	0.2 %	185.2 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: xIEC 500 AI
 Analysis started at: 9/24/2025 5:49:14 PM
 Comments: <Comment>
 Rack: 1
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0008 ppm	525.1950 [SIC 500]	-0.0028 ppm	0.0032 ppm	0.0002 ppm	0.0000 ppm	-0.0061 ppm
Concentration per Run 1	0.0008 ppm	514.1908 ppm	-0.0022 ppm	0.0026 ppm	0.0001 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run 2	0.0008 ppm	531.7903 ppm	-0.0007 ppm	0.0038 ppm	0.0002 ppm	0.0000 ppm	-0.0089 ppm
Concentration per Run 3	0.0009 ppm	529.6038 ppm	-0.0056 ppm	0.0033 ppm	0.0002 ppm	0.0000 ppm	-0.0107 ppm
Recovery Percentage 1	11.852 %	525,194.958 %	-56.923 %	10.787 %	1.848 %	-0.043 %	-6.075 %
Concentration RSD	6.7 %	1.8 %	88.7 %	18.4 %	30.8 %	332.2 %	107.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0019 ppm	-0.0002 ppm	0.0003 ppm	-0.0002 ppm	-0.0507 ppm	-0.0031 ppm	0.0050 ppm
Concentration per Run 1	-0.0020 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	-0.0487 ppm	0.0057 ppm	0.0082 ppm
Concentration per Run 2	-0.0019 ppm	-0.0003 ppm	0.0005 ppm	-0.0001 ppm	-0.0517 ppm	-0.0055 ppm	0.0044 ppm
Concentration per Run 3	-0.0019 ppm	-0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0516 ppm	-0.0096 ppm	0.0023 ppm
Recovery Percentage 1	-48.161 %	-0.782 %	3.209 %	-1.746 %	-101.377 %	-0.126 %	4.967 %
Concentration RSD	2.5 %	106.4 %	45.3 %	55.6 %	3.4 %	251.5 %	60.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0010 ppm	-0.0003 ppm	0.0357 ppm	0.0023 ppm	0.0051 ppm	-0.0097 ppm	-0.0036 ppm
Concentration per Run 1	0.0013 ppm	-0.0002 ppm	0.0331 ppm	0.0020 ppm	0.0049 ppm	-0.0099 ppm	-0.0025 ppm
Concentration per Run 2	0.0009 ppm	-0.0002 ppm	0.0385 ppm	0.0021 ppm	0.0046 ppm	-0.0099 ppm	-0.0032 ppm
Concentration per Run 3	0.0007 ppm	-0.0005 ppm	0.0354 ppm	0.0026 ppm	0.0060 ppm	-0.0092 ppm	-0.0053 ppm
Recovery Percentage 1	9.716 %	-0.575 %	1.783 %	9.038 %	51.303 %	-19.326 %	-36.470 %
Concentration RSD	31.7 %	65.6 %	7.6 %	15.0 %	14.4 %	4.3 %	39.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	-0.0207 ppm	0.0003 ppm	0.0005 ppm	0.0011 ppm	-0.0120 ppm	-0.0004 ppm	-0.0014 ppm
Concentration per Run 1	-0.0212 ppm	0.0013 ppm	0.0005 ppm	0.0012 ppm	-0.0135 ppm	-0.0004 ppm	-0.0016 ppm
Concentration per Run 2	-0.0204 ppm	-0.0001 ppm	0.0005 ppm	0.0011 ppm	-0.0109 ppm	-0.0005 ppm	-0.0013 ppm
Concentration per Run 3	-0.0205 ppm	-0.0002 ppm	0.0004 ppm	0.0010 ppm	-0.0115 ppm	-0.0003 ppm	-0.0013 ppm
Recovery Percentage 1	-4.142 %	0.648 %	4.791 %	10.770 %	-59.814 %	-3.862 %	-27.390 %
Concentration RSD	2.2 %	253.1 %	10.5 %	8.7 %	11.1 %	28.3 %	13.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	90.2486 %	89.6687 %	97.6043 %	94.6207 %	74.6803 %	92.2127 %	-0.0024 ppm
Concentration per Run 1	91.5734 %	89.8453 %	97.6116 %	96.1167 %	75.2366 %	92.2916 %	-0.0023 ppm
Concentration per Run 2	89.3545 %	89.4746 %	96.3826 %	93.8339 %	73.1560 %	92.0725 %	-0.0024 ppm
Concentration per Run 3	89.8180 %	89.6861 %	98.8187 %	93.9114 %	75.6484 %	92.2740 %	-0.0024 ppm
Recovery Percentage 1							-23.864 %
Concentration RSD	1.3 %	0.2 %	1.2 %	1.4 %	1.8 %	0.1 %	2.1 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: IEC 200 Fe Cd+
 Analysis started at: 9/24/2025 6:00:03 PM
 Comments: <Comment>
 Rack: 1
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0006 ppm	-0.0007 ppm	0.0026 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0065 ppm
Concentration per Run 1	0.0006 ppm	0.0003 ppm	0.0033 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0047 ppm
Concentration per Run 2	0.0008 ppm	-0.0019 ppm	0.0025 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0078 ppm
Concentration per Run 3	0.0006 ppm	-0.0006 ppm	0.0021 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0070 ppm
Recovery Percentage 1	9.180 %	-0.744 %	52.417 %	0.450 %	-0.393 %	-0.149 %	6.507 %
Concentration RSD	19.8 %	151.0 %	21.9 %	29.9 %	111.5 %	233.1 %	24.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0010 ppm	-0.0021 ppm	-0.0056 ppm	192.2721 ppm	-0.0134 ppm	0.0107 ppm
Concentration per Run 1	0.0001 ppm	0.0010 ppm	-0.0020 ppm	-0.0055 ppm	184.1582 ppm	-0.0200 ppm	0.0119 ppm
Concentration per Run 2	-0.0001 ppm	0.0009 ppm	-0.0022 ppm	-0.0057 ppm	194.1653 ppm	-0.0035 ppm	0.0095 ppm
Concentration per Run 3	0.0000 ppm	0.0010 ppm	-0.0022 ppm	-0.0057 ppm	198.4928 ppm	-0.0168 ppm	0.0106 ppm
Recovery Percentage 1	0.127 %	5.011 %	-21.410 %	-56.388 %	384,544.210 %	-0.537 %	10.659 %
Concentration RSD	2,568.0 %	6.4 %	4.0 %	2.2 %	3.8 %	65.2 %	11.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0003 ppm	-0.0029 ppm	0.0008 ppm	-0.0130 ppm	-0.0017 ppm	-0.0028 ppm	0.0007 ppm
Concentration per Run 1	0.0006 ppm	-0.0029 ppm	-0.0006 ppm	-0.0133 ppm	-0.0014 ppm	-0.0032 ppm	0.0007 ppm
Concentration per Run 2	0.0001 ppm	-0.0029 ppm	0.0008 ppm	-0.0132 ppm	-0.0018 ppm	-0.0020 ppm	0.0017 ppm
Concentration per Run 3	0.0002 ppm	-0.0029 ppm	0.0021 ppm	-0.0125 ppm	-0.0020 ppm	-0.0033 ppm	-0.0003 ppm
Recovery Percentage 1	2.665 %	-5.857 %	0.038 %	-52.014 %	-17.369 %	-5.633 %	7.064 %
Concentration RSD	95.7 %	0.6 %	178.0 %	3.1 %	16.7 %	24.6 %	138.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	-0.0003 ppm	0.0016 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0027 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0012 ppm	0.0001 ppm	0.0004 ppm	0.0012 ppm	0.0030 ppm	0.0005 ppm
Concentration per Run 2	-0.0007 ppm	0.0016 ppm	0.0001 ppm	0.0004 ppm	-0.0011 ppm	0.0025 ppm	0.0003 ppm
Concentration per Run 3	-0.0002 ppm	0.0019 ppm	0.0000 ppm	0.0002 ppm	-0.0003 ppm	0.0025 ppm	0.0003 ppm
Recovery Percentage 1	-0.053 %	3.139 %	0.701 %	3.316 %	-0.229 %	26.600 %	7.348 %
Concentration RSD	152.2 %	24.0 %	60.0 %	23.1 %	2,588.3 %	9.6 %	26.8 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.9830 %	95.1411 %	96.0831 %	101.7772 %	88.6786 %	96.7066 %	-0.0001 ppm
Concentration per Run 1	98.0344 %	94.3042 %	94.5184 %	105.4375 %	86.2240 %	95.9669 %	-0.0004 ppm
Concentration per Run 2	96.8912 %	95.5607 %	97.1249 %	100.9121 %	90.2047 %	97.1720 %	0.0005 ppm
Concentration per Run 3	96.0234 %	95.5584 %	96.6058 %	98.9819 %	89.6070 %	96.9809 %	-0.0004 ppm
Recovery Percentage 1							-0.719 %
Concentration RSD	1.0 %	0.8 %	1.4 %	3.3 %	2.4 %	0.7 %	748.8 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: LDR Check
 Analysis started at: 9/24/2025 6:06:46 PM
 Comments: <Comment>
 Rack: 0
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0009 ppm	-0.0209 ppm	5.8915 ppm	5.2787 [SIC 20]	9.6110 ppm	0.0001 ppm	0.0182 ppm
Concentration per Run 1	0.0009 ppm	-0.0242 ppm	5.8762 ppm	5.2539 ppm	9.5894 ppm	0.0001 ppm	0.0178 ppm
Concentration per Run 2	0.0009 ppm	-0.0197 ppm	5.9006 ppm	5.2981 ppm	9.4203 ppm	0.0001 ppm	0.0187 ppm
Concentration per Run 3	0.0010 ppm	-0.0186 ppm	5.8975 ppm	5.2842 ppm	9.8233 ppm	0.0001 ppm	0.0181 ppm
Recovery Percentage 1	0.000 %	0.000 %	117.829 %	105.575 %	96.110 %	0.000 %	0.000 %
Concentration RSD	2.1 %	14.2 %	0.2 %	0.4 %	2.1 %	28.0 %	2.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	0.0002 ppm	-0.0005 ppm	19.2733 ppm	0.0216 ppm	294.4061 ppm	0.0166 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	-0.0003 ppm	19.2472 ppm	0.0250 ppm	289.0887 ppm	0.0134 ppm
Concentration per Run 2	0.0002 ppm	0.0002 ppm	-0.0006 ppm	19.4042 ppm	0.0207 ppm	294.6316 ppm	0.0194 ppm
Concentration per Run 3	0.0001 ppm	0.0003 ppm	-0.0006 ppm	19.1686 ppm	0.0192 ppm	299.4979 ppm	0.0171 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	96.367 %	0.000 %	98.135 %	0.000 %
Concentration RSD	35.1 %	17.9 %	33.8 %	0.6 %	13.9 %	1.8 %	18.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0006 ppm	5.3479 [SIC 20]	423.0852 ppm	10.5091 [SIC 20]	49.1237 ppm	-0.0041 ppm	-0.0021 ppm
Concentration per Run 1	0.0006 ppm	5.3196 ppm	425.2432 ppm	10.4643 ppm	48.9280 ppm	-0.0048 ppm	-0.0013 ppm
Concentration per Run 2	0.0006 ppm	5.3652 ppm	412.9162 ppm	10.5390 ppm	49.2372 ppm	-0.0039 ppm	-0.0029 ppm
Concentration per Run 3	0.0007 ppm	5.3590 ppm	431.0962 ppm	10.5240 ppm	49.2060 ppm	-0.0037 ppm	-0.0023 ppm
Recovery Percentage 1	0.000 %	106.958 %	84.617 %	105.091 %	98.247 %	0.000 %	0.000 %
Concentration RSD	8.7 %	0.5 %	2.2 %	0.4 %	0.3 %	14.7 %	38.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	22.7864 [SIC 200]	0.0021 ppm	0.0006 ppm	0.0007 ppm	-0.0059 ppm	0.0063 ppm	21.4481 [SIC 20]
Concentration per Run 1	22.6660 ppm	0.0012 ppm	0.0006 ppm	0.0012 ppm	-0.0057 ppm	0.0062 ppm	21.3656 ppm
Concentration per Run 2	22.8795 ppm	0.0030 ppm	0.0006 ppm	0.0002 ppm	-0.0045 ppm	0.0066 ppm	21.4861 ppm
Concentration per Run 3	22.8137 ppm	0.0022 ppm	0.0007 ppm	0.0008 ppm	-0.0074 ppm	0.0063 ppm	21.4926 ppm
Recovery Percentage 1	113.932 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	107.241 %
Concentration RSD	0.5 %	44.0 %	12.6 %	69.9 %	24.6 %	3.3 %	0.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	92.8250 %	83.8625 %	85.5223 %	94.6901 %	70.9900 %	84.5595 %	5.1918 ppm
Concentration per Run 1	92.7274 %	84.2915 %	85.7193 %	95.4771 %	71.3542 %	85.0905 %	5.0726 ppm
Concentration per Run 2	93.0532 %	83.4277 %	85.2402 %	94.6588 %	70.5795 %	83.9913 %	5.1942 ppm
Concentration per Run 3	92.6944 %	83.8682 %	85.6074 %	93.9345 %	71.0362 %	84.5966 %	5.3086 ppm
Recovery Percentage 1							103.836 %
Concentration RSD	0.2 %	0.5 %	0.3 %	0.8 %	0.5 %	0.7 %	2.3 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: CCV
Analysis started at: 9/24/2025 6:20:43 PM
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4775 ppm	0.4945 ppm	0.4646 ppm	0.4765 ppm	0.5008 ppm	0.5114 ppm	0.5146 ppm
Concentration per Run 1	0.4809 ppm	0.4654 ppm	0.4533 ppm	0.4652 ppm	0.4744 ppm	0.4835 ppm	0.4836 ppm
Concentration per Run 2	0.4771 ppm	0.5040 ppm	0.4674 ppm	0.4772 ppm	0.5093 ppm	0.5205 ppm	0.5259 ppm
Concentration per Run 3	0.4745 ppm	0.5141 ppm	0.4731 ppm	0.4870 ppm	0.5187 ppm	0.5303 ppm	0.5342 ppm
Recovery Percentage 1	95.503 %	98.900 %	92.920 %	95.290 %	100.155 %	102.284 %	102.910 %
Concentration RSD	0.7 %	5.2 %	2.2 %	2.3 %	4.7 %	4.8 %	5.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4774 ppm	0.4878 ppm	0.4889 ppm	0.4838 ppm	0.5192 ppm	5.1646 ppm	0.5060 ppm
Concentration per Run 1	0.4659 ppm	0.4752 ppm	0.4953 ppm	0.4863 ppm	0.4884 ppm	4.9152 ppm	0.5097 ppm
Concentration per Run 2	0.4774 ppm	0.4883 ppm	0.4849 ppm	0.4852 ppm	0.5279 ppm	5.2100 ppm	0.5039 ppm
Concentration per Run 3	0.4888 ppm	0.5000 ppm	0.4865 ppm	0.4799 ppm	0.5413 ppm	5.3688 ppm	0.5043 ppm
Recovery Percentage 1	95.473 %	97.562 %	97.775 %	96.767 %	103.838 %	103.293 %	101.191 %
Concentration RSD	2.4 %	2.5 %	1.1 %	0.7 %	5.3 %	4.5 %	0.6 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5218 ppm	0.4721 ppm	9.8535 ppm	0.4918 ppm	0.5013 ppm	0.4891 ppm	0.4744 ppm
Concentration per Run 1	0.4939 ppm	0.4593 ppm	9.3596 ppm	0.4803 ppm	0.4897 ppm	0.4765 ppm	0.4625 ppm
Concentration per Run 2	0.5309 ppm	0.4729 ppm	9.9547 ppm	0.4917 ppm	0.5020 ppm	0.4918 ppm	0.4761 ppm
Concentration per Run 3	0.5408 ppm	0.4842 ppm	10.2462 ppm	0.5033 ppm	0.5123 ppm	0.4990 ppm	0.4846 ppm
Recovery Percentage 1	104.370 %	94.427 %	98.535 %	98.351 %	100.261 %	97.818 %	94.878 %
Concentration RSD	4.7 %	2.6 %	4.6 %	2.3 %	2.3 %	2.4 %	2.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.2079 ppm	0.4826 ppm	0.5066 ppm	0.4861 ppm	0.5099 ppm	0.4917 ppm	0.4856 ppm
Concentration per Run 1	5.0786 ppm	0.4705 ppm	0.4796 ppm	0.4912 ppm	0.4964 ppm	0.4966 ppm	0.4750 ppm
Concentration per Run 2	5.2118 ppm	0.4841 ppm	0.5154 ppm	0.4833 ppm	0.5112 ppm	0.4891 ppm	0.4865 ppm
Concentration per Run 3	5.3332 ppm	0.4932 ppm	0.5246 ppm	0.4837 ppm	0.5220 ppm	0.4895 ppm	0.4951 ppm
Recovery Percentage 1	99.198 %	96.517 %	101.310 %	97.213 %	101.974 %	98.348 %	97.112 %
Concentration RSD	2.4 %	2.4 %	4.7 %	0.9 %	2.5 %	0.9 %	2.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.1460 %	99.2700 %	99.8288 %	100.2122 %	95.1135 %	99.7981 %	0.4952 ppm
Concentration per Run 1	101.3120 %	98.4497 %	101.7620 %	105.0524 %	97.5160 %	98.1879 %	0.4715 ppm
Concentration per Run 2	96.6768 %	99.4433 %	99.5569 %	98.7236 %	94.9200 %	99.8967 %	0.5005 ppm
Concentration per Run 3	96.4492 %	99.9171 %	98.1674 %	96.8608 %	92.9046 %	101.3098 %	0.5137 ppm
Recovery Percentage 1							99.041 %
Concentration RSD	2.8 %	0.8 %	1.8 %	4.3 %	2.4 %	1.6 %	4.4 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: CCB
Analysis started at: 9/24/2025 6:27:01 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0021 ppm	0.0015 ppm	0.0023 ppm	-0.0001 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run 1	0.0002 ppm	0.0067 ppm	0.0012 ppm	0.0024 ppm	-0.0001 ppm	0.0000 ppm	-0.0037 ppm
Concentration per Run 2	0.0002 ppm	-0.0040 ppm	0.0021 ppm	0.0024 ppm	-0.0001 ppm	0.0000 ppm	-0.0060 ppm
Concentration per Run 3	0.0003 ppm	0.0037 ppm	0.0010 ppm	0.0023 ppm	-0.0001 ppm	0.0000 ppm	0.0027 ppm
Recovery Percentage 1	2.828 %	2.099 %	29.149 %	7.793 %	-0.758 %	-0.165 %	-2.300 %
Concentration RSD	27.6 %	262.0 %	40.5 %	3.3 %	29.7 %	349.5 %	195.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0001 ppm	-0.0010 ppm	0.0116 ppm	-0.0007 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0010 ppm	0.0165 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	-0.0010 ppm	0.0048 ppm	-0.0005 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0000 ppm	-0.0009 ppm	0.0135 ppm	-0.0012 ppm
Recovery Percentage 1	-0.823 %	-0.339 %	1.981 %	-1.218 %	-1.921 %	0.465 %	-0.746 %
Concentration RSD	50.7 %	149.1 %	36.1 %	152.0 %	7.9 %	52.2 %	51.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0001 ppm	0.0009 ppm	0.0171 ppm	-0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0010 ppm	0.0128 ppm	-0.0001 ppm	0.0006 ppm	-0.0001 ppm	-0.0005 ppm
Concentration per Run 2	0.0001 ppm	0.0009 ppm	0.0232 ppm	-0.0002 ppm	0.0003 ppm	0.0006 ppm	0.0008 ppm
Concentration per Run 3	0.0002 ppm	0.0007 ppm	0.0151 ppm	-0.0002 ppm	-0.0003 ppm	0.0002 ppm	0.0000 ppm
Recovery Percentage 1	1.057 %	1.752 %	0.853 %	-0.624 %	2.073 %	0.463 %	1.102 %
Concentration RSD	107.4 %	14.1 %	32.2 %	20.7 %	229.4 %	145.8 %	573.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0008 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 1	0.0006 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	-0.0008 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 2	0.0008 ppm	-0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0006 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run 3	0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	-0.0002 ppm
Recovery Percentage 1	0.153 %	0.358 %	0.828 %	1.988 %	0.246 %	-0.126 %	-3.889 %
Concentration RSD	17.6 %	251.4 %	73.2 %	23.5 %	1,481.4 %	402.7 %	23.9 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.6742 %	99.8841 %	101.5674 %	100.0938 %	102.1008 %	100.3129 %	0.0003 ppm
Concentration per Run 1	99.2869 %	99.6147 %	102.6444 %	101.3830 %	103.6298 %	100.0704 %	0.0005 ppm
Concentration per Run 2	98.3231 %	99.9758 %	101.5710 %	99.9740 %	101.8530 %	100.2757 %	0.0004 ppm
Concentration per Run 3	98.4124 %	100.0616 %	100.4868 %	98.9242 %	100.8195 %	100.5925 %	0.0001 ppm
Recovery Percentage 1							3.405 %
Concentration RSD	0.5 %	0.2 %	1.1 %	1.2 %	1.4 %	0.3 %	63.2 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: WG2116111-1 WG2116111
 Analysis started at: 9/24/2025 6:39:39 PM
 Comments: <Comment>
 Rack: 1
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0029 ppm	0.0011 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0075 ppm
Concentration per Run 1	0.0002 ppm	0.0063 ppm	0.0009 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0074 ppm
Concentration per Run 2	0.0001 ppm	0.0022 ppm	0.0018 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0110 ppm
Concentration per Run 3	0.0003 ppm	0.0002 ppm	0.0006 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0042 ppm
Concentration RSD	46.7 %	107.6 %	58.5 %	10.6 %	175.5 %	46.5 %	45.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0013 ppm	0.0066 ppm	0.0027 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	-0.0002 ppm	0.0174 ppm	0.0024 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0002 ppm	-0.0017 ppm	-0.0148 ppm	0.0029 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	0.0004 ppm	-0.0001 ppm	-0.0019 ppm	0.0172 ppm	0.0026 ppm
Concentration RSD	58.0 %	72.0 %	140.5 %	238.7 %	76.2 %	279.6 %	9.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0006 ppm	0.0000 ppm	0.0025 ppm	0.0002 ppm	0.0007 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 1	0.0005 ppm	0.0000 ppm	0.0017 ppm	0.0001 ppm	0.0007 ppm	0.0006 ppm	0.0011 ppm
Concentration per Run 2	0.0007 ppm	0.0001 ppm	0.0032 ppm	0.0003 ppm	0.0004 ppm	0.0004 ppm	-0.0006 ppm
Concentration per Run 3	0.0006 ppm	0.0000 ppm	0.0025 ppm	0.0002 ppm	0.0009 ppm	-0.0005 ppm	-0.0008 ppm
Concentration RSD	22.7 %	241.2 %	30.7 %	60.6 %	42.0 %	437.5 %	861.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0051 ppm	-0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 1	0.0049 ppm	-0.0006 ppm	0.0001 ppm	-0.0001 ppm	-0.0002 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run 2	0.0053 ppm	-0.0006 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run 3	0.0051 ppm	-0.0007 ppm	0.0001 ppm	0.0002 ppm	0.0019 ppm	0.0001 ppm	0.0003 ppm
Concentration RSD	3.8 %	15.3 %	109.7 %	10,504.7 %	197.3 %	3,711.0 %	25.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.4126 %	100.5598 %	100.2835 %	102.6839 %	102.6071 %	101.3634 %	0.0003 ppm
Concentration per Run 1	103.0856 %	100.8245 %	100.7980 %	104.9571 %	102.8617 %	101.5773 %	0.0006 ppm
Concentration per Run 2	99.0500 %	100.4181 %	99.8332 %	102.0309 %	102.1391 %	101.2326 %	-0.0001 ppm
Concentration per Run 3	99.1021 %	100.4366 %	100.2192 %	101.0637 %	102.8205 %	101.2803 %	0.0002 ppm
Concentration RSD	2.3 %	0.2 %	0.5 %	2.0 %	0.4 %	0.2 %	127.0 %

ICP DataTrace 6

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LabBook: WG2119193_09242025T6.imexp

Sample: WG2116111-2 WG2116111
 Analysis started at: 9/24/2025 6:46:15 PM
 Comments: <Comment>
 Rack: 1
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0511 ppm	2.2015 ppm	0.1147 ppm	0.9382 ppm	2.0872 ppm	0.0540 ppm	10.8291 ppm
Concentration per Run 1	0.0511 ppm	2.1924 ppm	0.1154 ppm	0.9431 ppm	2.0802 ppm	0.0543 ppm	10.8881 ppm
Concentration per Run 2	0.0509 ppm	2.2113 ppm	0.1134 ppm	0.9393 ppm	2.1006 ppm	0.0542 ppm	10.8674 ppm
Concentration per Run 3	0.0512 ppm	2.2008 ppm	0.1155 ppm	0.9324 ppm	2.0808 ppm	0.0535 ppm	10.7317 ppm
Concentration RSD	0.3 %	0.4 %	1.1 %	0.6 %	0.6 %	0.8 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0519 ppm	0.4783 ppm	0.1959 ppm	0.2513 ppm	1.0971 ppm	11.1711 ppm	10.2316 ppm
Concentration per Run 1	0.0523 ppm	0.4815 ppm	0.1953 ppm	0.2517 ppm	1.1055 ppm	11.0435 ppm	10.2164 ppm
Concentration per Run 2	0.0519 ppm	0.4782 ppm	0.1960 ppm	0.2497 ppm	1.0983 ppm	11.2443 ppm	10.2325 ppm
Concentration per Run 3	0.0515 ppm	0.4752 ppm	0.1963 ppm	0.2524 ppm	1.0877 ppm	11.2256 ppm	10.2460 ppm
Concentration RSD	0.8 %	0.7 %	0.3 %	0.6 %	0.8 %	1.0 %	0.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5429 ppm	0.9370 ppm	10.8142 ppm	0.4933 ppm	0.5295 ppm	0.4815 ppm	0.1165 ppm
Concentration per Run 1	0.5470 ppm	0.9408 ppm	10.6785 ppm	0.4966 ppm	0.5334 ppm	0.4794 ppm	0.1195 ppm
Concentration per Run 2	0.5440 ppm	0.9371 ppm	10.8750 ppm	0.4932 ppm	0.5294 ppm	0.4839 ppm	0.1149 ppm
Concentration per Run 3	0.5376 ppm	0.9331 ppm	10.8893 ppm	0.4901 ppm	0.5257 ppm	0.4812 ppm	0.1152 ppm
Concentration RSD	0.9 %	0.4 %	1.1 %	0.7 %	0.7 %	0.5 %	2.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	1.0215 ppm	0.9562 ppm	1.0636 ppm	0.9878 ppm	0.1195 ppm	0.5016 ppm	0.4799 ppm
Concentration per Run 1	1.0267 ppm	0.9620 ppm	1.0675 ppm	0.9879 ppm	0.1210 ppm	0.5016 ppm	0.4845 ppm
Concentration per Run 2	1.0232 ppm	0.9551 ppm	1.0645 ppm	0.9864 ppm	0.1189 ppm	0.5006 ppm	0.4790 ppm
Concentration per Run 3	1.0145 ppm	0.9515 ppm	1.0589 ppm	0.9892 ppm	0.1186 ppm	0.5026 ppm	0.4763 ppm
Concentration RSD	0.6 %	0.6 %	0.4 %	0.1 %	1.1 %	0.2 %	0.9 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.6276 %	97.1959 %	97.0879 %	97.3299 %	93.8320 %	98.6579 %	-0.0002 ppm
Concentration per Run 1	98.9107 %	96.8894 %	97.3099 %	96.6731 %	93.6013 %	98.3091 %	-0.0001 ppm
Concentration per Run 2	97.0385 %	97.4652 %	96.6157 %	97.1404 %	93.4736 %	98.9222 %	-0.0005 ppm
Concentration per Run 3	96.9335 %	97.2329 %	97.3380 %	98.1763 %	94.4210 %	98.7425 %	0.0000 ppm
Concentration RSD	1.1 %	0.3 %	0.4 %	0.8 %	0.5 %	0.3 %	135.3 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2558253-01 WG2116111
 Analysis started at: 9/24/2025 6:52:40 PM
 Comments: <Comment>
 Rack: 1
 Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0039 ppm	-0.0007 ppm	0.0312 ppm	0.1544 ppm	0.0000 ppm	103.0948 ppm
Concentration per Run 1	-0.0001 ppm	0.0016 ppm	0.0005 ppm	0.0310 ppm	0.1523 ppm	0.0000 ppm	100.5967 ppm
Concentration per Run 2	0.0004 ppm	0.0072 ppm	-0.0007 ppm	0.0311 ppm	0.1551 ppm	0.0000 ppm	104.2991 ppm
Concentration per Run 3	0.0001 ppm	0.0030 ppm	-0.0019 ppm	0.0314 ppm	0.1559 ppm	0.0000 ppm	104.3886 ppm
Concentration RSD	174.7 %	74.9 %	172.5 %	0.7 %	1.2 %	76.3 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0046 ppm	0.0000 ppm	1.2941 ppm	16.4194 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0045 ppm	0.0018 ppm	1.2700 ppm	16.4279 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0046 ppm	-0.0012 ppm	1.2937 ppm	16.3899 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0048 ppm	-0.0006 ppm	1.3185 ppm	16.4405 ppm
Concentration RSD	60.5 %	259.9 %	134.5 %	2.7 %	9,579.8 %	1.9 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0002 ppm	0.0033 ppm	20.4257 ppm	0.0006 ppm	-0.0004 ppm	0.0032 ppm	-0.0003 ppm
Concentration per Run 1	0.0003 ppm	0.0035 ppm	20.2097 ppm	0.0005 ppm	-0.0011 ppm	0.0039 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0032 ppm	20.4163 ppm	0.0008 ppm	-0.0003 ppm	0.0029 ppm	0.0005 ppm
Concentration per Run 3	0.0004 ppm	0.0030 ppm	20.6512 ppm	0.0006 ppm	0.0001 ppm	0.0028 ppm	-0.0006 ppm
Concentration RSD	89.7 %	7.7 %	1.1 %	26.1 %	143.8 %	19.2 %	237.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.0063 ppm	0.0025 ppm	0.3067 ppm	0.0006 ppm	0.0003 ppm	0.0000 ppm	0.0137 ppm
Concentration per Run 1	4.9546 ppm	0.0030 ppm	0.3020 ppm	0.0006 ppm	-0.0005 ppm	0.0001 ppm	0.0134 ppm
Concentration per Run 2	4.9945 ppm	0.0023 ppm	0.3085 ppm	0.0005 ppm	0.0001 ppm	-0.0001 ppm	0.0137 ppm
Concentration per Run 3	5.0698 ppm	0.0023 ppm	0.3097 ppm	0.0007 ppm	0.0012 ppm	0.0001 ppm	0.0139 ppm
Concentration RSD	1.2 %	14.5 %	1.4 %	23.8 %	303.4 %	323.4 %	1.7 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.2290 %	92.1476 %	92.0057 %	96.0983 %	84.8621 %	93.0703 %	0.0102 ppm
Concentration per Run 1	100.1293 %	92.2387 %	93.2132 %	97.4060 %	85.7641 %	93.0784 %	0.0099 ppm
Concentration per Run 2	96.0439 %	91.8574 %	91.3073 %	95.5755 %	85.0270 %	92.8197 %	0.0101 ppm
Concentration per Run 3	95.5137 %	92.3466 %	91.4967 %	95.3133 %	83.7951 %	93.3128 %	0.0105 ppm
Concentration RSD	2.6 %	0.3 %	1.1 %	1.2 %	1.2 %	0.3 %	2.6 %

ICP DataTrace 6

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LabBook: WG2119193_09242025T6.imexp

Sample: WG2116111-3 WG2116111
 Analysis started at: 9/24/2025 6:59:12 PM
 Comments: <Comment>
 Rack: 1
 Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0522 ppm	2.2229 ppm	0.1295 ppm	1.0755 ppm	2.2323 ppm	0.0537 ppm	113.9500 ppm
Concentration per Run 1	0.0521 ppm	2.1898 ppm	0.1331 ppm	1.0905 ppm	2.1758 ppm	0.0531 ppm	112.8031 ppm
Concentration per Run 2	0.0519 ppm	2.2293 ppm	0.1322 ppm	1.0987 ppm	2.2378 ppm	0.0541 ppm	114.7433 ppm
Concentration per Run 3	0.0524 ppm	2.2496 ppm	0.1232 ppm	1.0373 ppm	2.2833 ppm	0.0540 ppm	114.3037 ppm
Concentration RSD	0.5 %	1.4 %	4.2 %	3.1 %	2.4 %	1.0 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0557 ppm	0.5024 ppm	0.1967 ppm	0.2601 ppm	1.0775 ppm	12.9378 ppm	26.6482 ppm
Concentration per Run 1	0.0567 ppm	0.5097 ppm	0.1969 ppm	0.2600 ppm	1.0592 ppm	12.7062 ppm	26.6553 ppm
Concentration per Run 2	0.0566 ppm	0.5122 ppm	0.1970 ppm	0.2586 ppm	1.0838 ppm	12.9807 ppm	26.6073 ppm
Concentration per Run 3	0.0539 ppm	0.4854 ppm	0.1962 ppm	0.2616 ppm	1.0894 ppm	13.1265 ppm	26.6822 ppm
Concentration RSD	2.8 %	2.9 %	0.2 %	0.6 %	1.5 %	1.6 %	0.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5326 ppm	1.0260 ppm	31.8523 ppm	0.5189 ppm	0.5563 ppm	0.5376 ppm	0.1309 ppm
Concentration per Run 1	0.5262 ppm	1.0360 ppm	31.2852 ppm	0.5263 ppm	0.5640 ppm	0.5433 ppm	0.1317 ppm
Concentration per Run 2	0.5354 ppm	1.0498 ppm	32.0121 ppm	0.5284 ppm	0.5663 ppm	0.5506 ppm	0.1345 ppm
Concentration per Run 3	0.5363 ppm	0.9921 ppm	32.2595 ppm	0.5019 ppm	0.5386 ppm	0.5188 ppm	0.1265 ppm
Concentration RSD	1.1 %	2.9 %	1.6 %	2.8 %	2.8 %	3.1 %	3.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	6.2556 ppm	1.0262 [SIC 20]	1.3822 ppm	1.0183 ppm	0.1216 ppm	0.5102 ppm	0.5254 ppm
Concentration per Run 1	6.3393 ppm	1.0387 ppm	1.3651 ppm	1.0182 ppm	0.1226 ppm	0.5106 ppm	0.5347 ppm
Concentration per Run 2	6.3867 ppm	1.0480 ppm	1.3878 ppm	1.0194 ppm	0.1257 ppm	0.5099 ppm	0.5334 ppm
Concentration per Run 3	6.0408 ppm	0.9921 ppm	1.3937 ppm	1.0172 ppm	0.1166 ppm	0.5102 ppm	0.5082 ppm
Concentration RSD	3.0 %	2.9 %	1.1 %	0.1 %	3.8 %	0.1 %	2.8 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	95.6559 %	92.6045 %	92.5489 %	97.7711 %	83.7457 %	94.2328 %	0.0104 ppm
Concentration per Run 1	96.8291 %	92.6126 %	91.4213 %	99.0427 %	82.6820 %	94.1892 %	0.0103 ppm
Concentration per Run 2	95.0359 %	92.8686 %	92.1420 %	97.1927 %	82.1651 %	94.4420 %	0.0103 ppm
Concentration per Run 3	95.1028 %	92.3323 %	94.0835 %	97.0778 %	86.3900 %	94.0671 %	0.0105 ppm
Concentration RSD	1.1 %	0.3 %	1.5 %	1.1 %	2.8 %	0.2 %	1.4 %

ICP DataTrace 6

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LabBook: WG2119193_09242025T6.imexp

Sample: WG2116111-4 WG2116111

Analysis started at: 9/24/2025 7:05:35 PM

Comments: <Comment>

Rack: 1

Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0047 ppm	0.0003 ppm	0.0313 ppm	0.1545 ppm	0.0000 ppm	102.6239 ppm
Concentration per Run 1	0.0002 ppm	0.0054 ppm	0.0012 ppm	0.0313 ppm	0.1518 ppm	0.0000 ppm	102.0679 ppm
Concentration per Run 2	0.0002 ppm	0.0047 ppm	0.0009 ppm	0.0313 ppm	0.1560 ppm	0.0000 ppm	102.3913 ppm
Concentration per Run 3	0.0002 ppm	0.0041 ppm	-0.0012 ppm	0.0314 ppm	0.1556 ppm	0.0001 ppm	103.4125 ppm
Concentration RSD	19.1 %	13.9 %	470.8 %	0.2 %	1.5 %	140.0 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0047 ppm	-0.0012 ppm	1.2736 ppm	16.4519 ppm
Concentration per Run 1	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0050 ppm	-0.0024 ppm	1.2284 ppm	16.2428 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0045 ppm	-0.0005 ppm	1.3028 ppm	16.4320 ppm
Concentration per Run 3	0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0048 ppm	-0.0006 ppm	1.2897 ppm	16.6808 ppm
Concentration RSD	11.8 %	36.4 %	204.6 %	5.0 %	93.8 %	3.1 %	1.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0003 ppm	0.0035 ppm	20.2237 ppm	0.0007 ppm	-0.0001 ppm	0.0024 ppm	-0.0006 ppm
Concentration per Run 1	0.0003 ppm	0.0039 ppm	19.4814 ppm	0.0010 ppm	-0.0003 ppm	0.0024 ppm	0.0001 ppm
Concentration per Run 2	0.0001 ppm	0.0033 ppm	20.6737 ppm	0.0007 ppm	-0.0001 ppm	0.0021 ppm	-0.0014 ppm
Concentration per Run 3	0.0005 ppm	0.0032 ppm	20.5158 ppm	0.0004 ppm	0.0001 ppm	0.0028 ppm	-0.0007 ppm
Concentration RSD	70.8 %	11.8 %	3.2 %	42.0 %	138.7 %	13.0 %	112.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	4.9983 ppm	0.0028 ppm	0.3062 ppm	0.0006 ppm	0.0007 ppm	0.0000 ppm	0.0128 ppm
Concentration per Run 1	5.0255 ppm	0.0033 ppm	0.3015 ppm	0.0004 ppm	0.0025 ppm	0.0000 ppm	0.0129 ppm
Concentration per Run 2	4.9866 ppm	0.0031 ppm	0.3091 ppm	0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0130 ppm
Concentration per Run 3	4.9828 ppm	0.0019 ppm	0.3081 ppm	0.0006 ppm	-0.0006 ppm	0.0000 ppm	0.0126 ppm
Concentration RSD	0.5 %	27.2 %	1.4 %	28.8 %	218.4 %	133.3 %	1.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.0995 %	92.6022 %	92.7622 %	96.7122 %	85.4101 %	94.5033 %	0.0106 ppm
Concentration per Run 1	99.6625 %	92.9454 %	92.5787 %	97.8794 %	85.0427 %	94.6349 %	0.0101 ppm
Concentration per Run 2	96.0689 %	93.1786 %	92.6696 %	96.4344 %	85.5200 %	95.2709 %	0.0110 ppm
Concentration per Run 3	95.5672 %	91.6826 %	93.0385 %	95.8228 %	85.6677 %	93.6041 %	0.0108 ppm
Concentration RSD	2.3 %	0.9 %	0.3 %	1.1 %	0.4 %	0.9 %	4.6 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: WG2116111-5 WG2116111

Analysis started at: 9/24/2025 7:12:08 PM

Comments: <Comment>

Rack: 1

Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0489 ppm	2.0724 ppm	0.1173 ppm	1.0048 ppm	2.0897 ppm	0.0503 ppm	108.3802 ppm
Concentration per Run 1	0.0488 ppm	2.0584 ppm	0.1193 ppm	1.0077 ppm	2.0357 ppm	0.0499 ppm	107.2644 ppm
Concentration per Run 2	0.0490 ppm	2.0761 ppm	0.1173 ppm	1.0071 ppm	2.1130 ppm	0.0503 ppm	108.8378 ppm
Concentration per Run 3	0.0489 ppm	2.0826 ppm	0.1152 ppm	0.9997 ppm	2.1203 ppm	0.0507 ppm	109.0383 ppm
Concentration RSD	0.2 %	0.6 %	1.8 %	0.4 %	2.2 %	0.8 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0522 ppm	0.4627 ppm	0.1852 ppm	0.2454 ppm	1.0091 ppm	12.5059 ppm	25.6636 ppm
Concentration per Run 1	0.0524 ppm	0.4640 ppm	0.1844 ppm	0.2457 ppm	0.9966 ppm	12.5508 ppm	25.7069 ppm
Concentration per Run 2	0.0523 ppm	0.4642 ppm	0.1857 ppm	0.2459 ppm	1.0154 ppm	12.4914 ppm	25.6726 ppm
Concentration per Run 3	0.0519 ppm	0.4600 ppm	0.1854 ppm	0.2448 ppm	1.0155 ppm	12.4754 ppm	25.6113 ppm
Concentration RSD	0.5 %	0.5 %	0.4 %	0.2 %	1.1 %	0.3 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.4990 ppm	0.9593 ppm	30.3050 ppm	0.4792 ppm	0.5146 ppm	0.4659 ppm	0.1191 ppm
Concentration per Run 1	0.4953 ppm	0.9597 ppm	30.3590 ppm	0.4804 ppm	0.5167 ppm	0.4595 ppm	0.1191 ppm
Concentration per Run 2	0.4992 ppm	0.9619 ppm	30.2531 ppm	0.4803 ppm	0.5160 ppm	0.4669 ppm	0.1197 ppm
Concentration per Run 3	0.5025 ppm	0.9564 ppm	30.3029 ppm	0.4770 ppm	0.5112 ppm	0.4712 ppm	0.1184 ppm
Concentration RSD	0.7 %	0.3 %	0.2 %	0.4 %	0.6 %	1.3 %	0.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.6025 ppm	0.9864 ppm	1.3273 ppm	0.9679 ppm	0.1131 ppm	0.4794 ppm	0.4866 ppm
Concentration per Run 1	5.6242 ppm	0.9872 ppm	1.3213 ppm	0.9692 ppm	0.1144 ppm	0.4792 ppm	0.4876 ppm
Concentration per Run 2	5.6094 ppm	0.9897 ppm	1.3239 ppm	0.9672 ppm	0.1139 ppm	0.4792 ppm	0.4882 ppm
Concentration per Run 3	5.5738 ppm	0.9823 ppm	1.3367 ppm	0.9672 ppm	0.1110 ppm	0.4799 ppm	0.4838 ppm
Concentration RSD	0.5 %	0.4 %	0.6 %	0.1 %	1.6 %	0.1 %	0.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	95.1429 %	92.1203 %	93.2980 %	97.2082 %	85.3318 %	93.4581 %	0.0102 ppm
Concentration per Run 1	96.0949 %	91.9347 %	92.6670 %	98.0807 %	84.8692 %	93.3832 %	0.0101 ppm
Concentration per Run 2	94.5457 %	92.2884 %	93.6571 %	96.8304 %	85.3076 %	93.6322 %	0.0103 ppm
Concentration per Run 3	94.7881 %	92.1378 %	93.5698 %	96.7137 %	85.8187 %	93.3589 %	0.0101 ppm
Concentration RSD	0.9 %	0.2 %	0.6 %	0.8 %	0.6 %	0.2 %	1.1 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: WG2116111-6d5 WG2116111
Analysis started at: 9/24/2025 7:18:31 PM
Comments: <Comment>
Rack: 1
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0008 ppm	0.0003 ppm	0.0072 ppm	0.0304 ppm	0.0000 ppm	19.7072 ppm
Concentration per Run 1	0.0002 ppm	0.0023 ppm	-0.0002 ppm	0.0075 ppm	0.0304 ppm	0.0000 ppm	19.7645 ppm
Concentration per Run 2	0.0002 ppm	0.0010 ppm	0.0005 ppm	0.0072 ppm	0.0310 ppm	0.0000 ppm	20.1201 ppm
Concentration per Run 3	0.0003 ppm	-0.0008 ppm	0.0006 ppm	0.0070 ppm	0.0298 ppm	0.0000 ppm	19.2370 ppm
Concentration RSD	16.1 %	182.0 %	139.9 %	3.4 %	2.0 %	204.9 %	2.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm	-0.0002 ppm	0.2477 ppm	3.3382 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0008 ppm	-0.0010 ppm	0.2392 ppm	3.3477 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0006 ppm	0.2658 ppm	3.3236 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0007 ppm	-0.0002 ppm	0.2381 ppm	3.3434 ppm
Concentration RSD	43.4 %	194.6 %	692.0 %	11.7 %	445.6 %	6.3 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0004 ppm	0.0030 ppm	3.7382 ppm	0.0002 ppm	0.0004 ppm	0.0063 ppm	-0.0007 ppm
Concentration per Run 1	0.0003 ppm	0.0032 ppm	3.7472 ppm	0.0003 ppm	0.0004 ppm	0.0073 ppm	0.0001 ppm
Concentration per Run 2	0.0004 ppm	0.0031 ppm	3.8005 ppm	0.0000 ppm	0.0005 ppm	0.0060 ppm	-0.0011 ppm
Concentration per Run 3	0.0004 ppm	0.0027 ppm	3.6671 ppm	0.0004 ppm	0.0002 ppm	0.0057 ppm	-0.0010 ppm
Concentration RSD	10.3 %	8.4 %	1.8 %	93.5 %	42.9 %	13.0 %	102.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.9202 ppm	0.0058 ppm	0.0605 ppm	0.0002 ppm	-0.0004 ppm	0.0003 ppm	0.0026 ppm
Concentration per Run 1	0.9148 ppm	0.0070 ppm	0.0607 ppm	0.0002 ppm	-0.0008 ppm	0.0002 ppm	0.0024 ppm
Concentration per Run 2	0.9236 ppm	0.0056 ppm	0.0616 ppm	0.0004 ppm	-0.0007 ppm	0.0002 ppm	0.0026 ppm
Concentration per Run 3	0.9224 ppm	0.0048 ppm	0.0593 ppm	0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0027 ppm
Concentration RSD	0.5 %	18.6 %	1.8 %	76.5 %	159.6 %	45.2 %	5.8 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.1041 %	98.6032 %	99.4141 %	99.7762 %	97.5347 %	100.4070 %	0.0022 ppm
Concentration per Run 1	99.7889 %	98.5090 %	99.3504 %	99.6793 %	97.8431 %	100.3308 %	0.0019 ppm
Concentration per Run 2	97.0335 %	98.4479 %	99.4188 %	97.8371 %	97.1589 %	100.2369 %	0.0022 ppm
Concentration per Run 3	97.4900 %	98.8528 %	99.4730 %	101.8121 %	97.6022 %	100.6532 %	0.0023 ppm
Concentration RSD	1.5 %	0.2 %	0.1 %	2.0 %	0.4 %	0.2 %	8.7 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2558253-02 WG2116111
 Analysis started at: 9/24/2025 7:25:04 PM
 Comments: <Comment>
 Rack: 1
 Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0084 ppm	-0.0001 ppm	0.0392 ppm	0.1607 ppm	0.0000 ppm	106.0294 ppm
Concentration per Run 1	0.0000 ppm	0.0086 ppm	0.0000 ppm	0.0393 ppm	0.1609 ppm	0.0000 ppm	107.6679 ppm
Concentration per Run 2	0.0004 ppm	0.0121 ppm	-0.0002 ppm	0.0393 ppm	0.1618 ppm	0.0001 ppm	105.5139 ppm
Concentration per Run 3	0.0002 ppm	0.0044 ppm	-0.0003 ppm	0.0388 ppm	0.1595 ppm	0.0000 ppm	104.9063 ppm
Concentration RSD	86.8 %	46.4 %	116.6 %	0.7 %	0.7 %	53.8 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0014 ppm	-0.0029 ppm	1.0395 ppm	15.7591 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0015 ppm	-0.0029 ppm	1.0302 ppm	15.6849 ppm
Concentration per Run 2	0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0014 ppm	-0.0016 ppm	1.0624 ppm	15.8235 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0013 ppm	-0.0044 ppm	1.0257 ppm	15.7690 ppm
Concentration RSD	113.9 %	73.4 %	92.8 %	7.3 %	47.9 %	1.9 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0005 ppm	0.0013 ppm	14.0722 ppm	0.0000 ppm	-0.0002 ppm	0.0016 ppm	-0.0009 ppm
Concentration per Run 1	0.0005 ppm	0.0013 ppm	13.8969 ppm	-0.0001 ppm	0.0001 ppm	0.0018 ppm	0.0000 ppm
Concentration per Run 2	0.0007 ppm	0.0012 ppm	14.3945 ppm	0.0000 ppm	-0.0008 ppm	0.0016 ppm	-0.0006 ppm
Concentration per Run 3	0.0003 ppm	0.0012 ppm	13.9251 ppm	0.0000 ppm	0.0000 ppm	0.0015 ppm	-0.0021 ppm
Concentration RSD	47.1 %	6.0 %	2.0 %	206.9 %	218.7 %	10.3 %	122.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	4.9002 ppm	0.0003 ppm	0.3070 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run 1	4.9477 ppm	0.0000 ppm	0.3076 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0019 ppm
Concentration per Run 2	4.8876 ppm	0.0009 ppm	0.3089 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0018 ppm
Concentration per Run 3	4.8654 ppm	0.0001 ppm	0.3045 ppm	0.0006 ppm	-0.0003 ppm	0.0000 ppm	0.0019 ppm
Concentration RSD	0.9 %	138.1 %	0.7 %	49.1 %	2,132.0 %	88.9 %	3.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.6966 %	93.4033 %	94.0858 %	92.5952 %	87.2704 %	95.4195 %	0.0108 ppm
Concentration per Run 1	98.9954 %	93.0464 %	93.4187 %	92.0242 %	86.6112 %	95.0346 %	0.0105 ppm
Concentration per Run 2	95.8720 %	93.6568 %	94.8489 %	92.5927 %	87.2898 %	95.4871 %	0.0113 ppm
Concentration per Run 3	95.2224 %	93.5066 %	93.9897 %	93.1687 %	87.9101 %	95.7369 %	0.0106 ppm
Concentration RSD	2.1 %	0.3 %	0.8 %	0.6 %	0.7 %	0.4 %	4.2 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2558253-03 WG2116111

Analysis started at: 9/24/2025 7:31:38 PM

Comments: <Comment>

Rack: 1

Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0041 ppm	-0.0004 ppm	0.0228 ppm	0.1628 ppm	0.0000 ppm	102.6362 ppm
Concentration per Run 1	0.0004 ppm	0.0030 ppm	0.0007 ppm	0.0227 ppm	0.1615 ppm	0.0000 ppm	100.5276 ppm
Concentration per Run 2	0.0000 ppm	0.0031 ppm	-0.0013 ppm	0.0227 ppm	0.1635 ppm	0.0000 ppm	103.7842 ppm
Concentration per Run 3	0.0000 ppm	0.0061 ppm	-0.0006 ppm	0.0229 ppm	0.1634 ppm	0.0000 ppm	103.5969 ppm
Concentration RSD	132.6 %	43.1 %	254.9 %	0.6 %	0.7 %	249.7 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0018 ppm	0.0038 ppm	0.0249 ppm	1.2321 ppm	16.0814 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	0.0019 ppm	0.0038 ppm	0.0242 ppm	1.2503 ppm	16.0929 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0019 ppm	0.0036 ppm	0.0260 ppm	1.2332 ppm	16.1108 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0015 ppm	0.0041 ppm	0.0245 ppm	1.2127 ppm	16.0407 ppm
Concentration RSD	31.4 %	56.7 %	14.5 %	6.8 %	3.8 %	1.5 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0004 ppm	0.0014 ppm	34.2976 ppm	0.0012 ppm	-0.0006 ppm	0.0013 ppm	0.0003 ppm
Concentration per Run 1	0.0004 ppm	0.0015 ppm	34.6353 ppm	0.0012 ppm	-0.0001 ppm	0.0008 ppm	-0.0002 ppm
Concentration per Run 2	0.0006 ppm	0.0012 ppm	34.0971 ppm	0.0012 ppm	-0.0012 ppm	0.0020 ppm	-0.0007 ppm
Concentration per Run 3	0.0002 ppm	0.0013 ppm	34.1605 ppm	0.0013 ppm	-0.0005 ppm	0.0012 ppm	0.0017 ppm
Concentration RSD	44.6 %	10.5 %	0.9 %	5.8 %	93.7 %	46.1 %	475.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.0180 ppm	-0.0004 ppm	0.3111 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run 1	5.0420 ppm	0.0000 ppm	0.3086 ppm	0.0003 ppm	0.0011 ppm	0.0000 ppm	0.0022 ppm
Concentration per Run 2	5.0183 ppm	-0.0009 ppm	0.3125 ppm	0.0000 ppm	-0.0020 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run 3	4.9937 ppm	-0.0001 ppm	0.3123 ppm	0.0004 ppm	0.0015 ppm	0.0000 ppm	0.0019 ppm
Concentration RSD	0.5 %	130.9 %	0.7 %	106.0 %	1,147.2 %	310.1 %	10.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.0552 %	92.5639 %	92.4781 %	97.0911 %	84.4220 %	93.7901 %	0.0103 ppm
Concentration per Run 1	99.5572 %	92.1807 %	92.6318 %	98.1765 %	84.1173 %	93.3682 %	0.0105 ppm
Concentration per Run 2	95.9113 %	92.8303 %	91.3743 %	96.5895 %	84.4718 %	94.1112 %	0.0104 ppm
Concentration per Run 3	95.6971 %	92.6806 %	93.4281 %	96.5073 %	84.6769 %	93.8909 %	0.0100 ppm
Concentration RSD	2.2 %	0.4 %	1.1 %	1.0 %	0.3 %	0.4 %	2.8 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2558253-04 WG2116111
 Analysis started at: 9/24/2025 7:38:12 PM
 Comments: <Comment>
 Rack: 1
 Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0015 ppm	0.0003 ppm	0.0180 ppm	0.1319 ppm	0.0000 ppm	100.8995 ppm
Concentration per Run 1	0.0000 ppm	-0.0042 ppm	-0.0014 ppm	0.0179 ppm	0.1332 ppm	0.0000 ppm	101.8438 ppm
Concentration per Run 2	0.0000 ppm	-0.0010 ppm	0.0021 ppm	0.0182 ppm	0.1310 ppm	0.0000 ppm	99.6583 ppm
Concentration per Run 3	0.0000 ppm	0.0007 ppm	0.0002 ppm	0.0179 ppm	0.1315 ppm	0.0000 ppm	101.1964 ppm
Concentration RSD	403.6 %	167.5 %	539.6 %	0.8 %	0.9 %	67.2 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0011 ppm	-0.0028 ppm	0.9023 ppm	18.3733 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0009 ppm	-0.0026 ppm	0.9331 ppm	18.3336 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0012 ppm	-0.0032 ppm	0.9069 ppm	18.3887 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0011 ppm	-0.0027 ppm	0.8670 ppm	18.3975 ppm
Concentration RSD	92.2 %	76.4 %	306.0 %	12.2 %	12.3 %	3.7 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0003 ppm	0.0010 ppm	10.1745 ppm	0.0000 ppm	-0.0001 ppm	0.0007 ppm	-0.0008 ppm
Concentration per Run 1	0.0004 ppm	0.0011 ppm	10.3974 ppm	0.0000 ppm	0.0000 ppm	0.0008 ppm	0.0004 ppm
Concentration per Run 2	0.0001 ppm	0.0010 ppm	10.1811 ppm	-0.0001 ppm	-0.0006 ppm	0.0008 ppm	-0.0006 ppm
Concentration per Run 3	0.0006 ppm	0.0010 ppm	9.9450 ppm	0.0001 ppm	0.0002 ppm	0.0005 ppm	-0.0023 ppm
Concentration RSD	76.5 %	9.2 %	2.2 %	277.4 %	278.6 %	19.9 %	171.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	4.8518 ppm	0.0001 ppm	0.3293 ppm	0.0002 ppm	-0.0008 ppm	0.0001 ppm	0.0012 ppm
Concentration per Run 1	4.8599 ppm	0.0002 ppm	0.3329 ppm	0.0000 ppm	-0.0004 ppm	0.0001 ppm	0.0011 ppm
Concentration per Run 2	4.8504 ppm	0.0000 ppm	0.3269 ppm	0.0003 ppm	-0.0016 ppm	0.0002 ppm	0.0012 ppm
Concentration per Run 3	4.8452 ppm	0.0000 ppm	0.3282 ppm	0.0003 ppm	-0.0004 ppm	-0.0001 ppm	0.0013 ppm
Concentration RSD	0.2 %	189.2 %	1.0 %	76.6 %	87.0 %	167.7 %	5.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.8768 %	93.3203 %	93.8439 %	97.1855 %	87.1783 %	95.1297 %	0.0116 ppm
Concentration per Run 1	100.3725 %	93.2274 %	93.9100 %	96.1850 %	87.1335 %	94.9070 %	0.0119 ppm
Concentration per Run 2	97.7823 %	93.4835 %	93.7714 %	98.1978 %	86.9500 %	95.3380 %	0.0113 ppm
Concentration per Run 3	95.4755 %	93.2500 %	93.8503 %	97.1738 %	87.4513 %	95.1443 %	0.0115 ppm
Concentration RSD	2.5 %	0.2 %	0.1 %	1.0 %	0.3 %	0.2 %	2.8 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: CCV
Analysis started at: 9/24/2025 7:44:42 PM
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4846 ppm	0.4842 ppm	0.4550 ppm	0.4649 ppm	0.4833 ppm	0.5034 ppm	0.4989 ppm
Concentration per Run 1	0.4837 ppm	0.4638 ppm	0.4576 ppm	0.4670 ppm	0.4652 ppm	0.4842 ppm	0.4834 ppm
Concentration per Run 2	0.4837 ppm	0.4909 ppm	0.4551 ppm	0.4650 ppm	0.4887 ppm	0.5100 ppm	0.5049 ppm
Concentration per Run 3	0.4865 ppm	0.4978 ppm	0.4523 ppm	0.4627 ppm	0.4961 ppm	0.5160 ppm	0.5085 ppm
Recovery Percentage 1	96.924 %	96.836 %	90.995 %	92.984 %	96.665 %	100.681 %	99.790 %
Concentration RSD	0.3 %	3.7 %	0.6 %	0.5 %	3.3 %	3.4 %	2.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4799 ppm	0.4815 ppm	0.4936 ppm	0.4894 ppm	0.5145 ppm	5.0242 ppm	0.5147 ppm
Concentration per Run 1	0.4806 ppm	0.4814 ppm	0.4954 ppm	0.4869 ppm	0.4982 ppm	4.7763 ppm	0.5177 ppm
Concentration per Run 2	0.4822 ppm	0.4837 ppm	0.4924 ppm	0.4896 ppm	0.5201 ppm	5.0944 ppm	0.5105 ppm
Concentration per Run 3	0.4768 ppm	0.4793 ppm	0.4929 ppm	0.4916 ppm	0.5251 ppm	5.2019 ppm	0.5161 ppm
Recovery Percentage 1	95.973 %	96.291 %	98.714 %	97.873 %	102.894 %	100.484 %	102.948 %
Concentration RSD	0.6 %	0.5 %	0.3 %	0.5 %	2.8 %	4.4 %	0.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5110 ppm	0.4681 ppm	9.5867 ppm	0.4903 ppm	0.4945 ppm	0.4808 ppm	0.4672 ppm
Concentration per Run 1	0.4937 ppm	0.4674 ppm	9.1347 ppm	0.4899 ppm	0.4964 ppm	0.4833 ppm	0.4693 ppm
Concentration per Run 2	0.5162 ppm	0.4707 ppm	9.7079 ppm	0.4930 ppm	0.4964 ppm	0.4813 ppm	0.4654 ppm
Concentration per Run 3	0.5232 ppm	0.4664 ppm	9.9175 ppm	0.4880 ppm	0.4908 ppm	0.4777 ppm	0.4668 ppm
Recovery Percentage 1	102.208 %	93.630 %	95.867 %	98.062 %	98.908 %	96.154 %	93.436 %
Concentration RSD	3.0 %	0.5 %	4.2 %	0.5 %	0.7 %	0.6 %	0.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.1230 ppm	0.4824 ppm	0.5047 ppm	0.4950 ppm	0.5079 ppm	0.4960 ppm	0.4811 ppm
Concentration per Run 1	5.1178 ppm	0.4846 ppm	0.4862 ppm	0.4956 ppm	0.5094 ppm	0.4969 ppm	0.4849 ppm
Concentration per Run 2	5.1495 ppm	0.4846 ppm	0.5103 ppm	0.4939 ppm	0.5084 ppm	0.4958 ppm	0.4815 ppm
Concentration per Run 3	5.1016 ppm	0.4780 ppm	0.5175 ppm	0.4955 ppm	0.5059 ppm	0.4952 ppm	0.4769 ppm
Recovery Percentage 1	97.581 %	96.479 %	100.933 %	98.998 %	101.581 %	99.193 %	96.220 %
Concentration RSD	0.5 %	0.8 %	3.2 %	0.2 %	0.4 %	0.2 %	0.8 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.9918 %	98.0870 %	100.8024 %	102.2026 %	96.4573 %	99.6226 %	0.4843 ppm
Concentration per Run 1	100.2256 %	98.1841 %	100.8403 %	105.7091 %	96.4738 %	99.8000 %	0.4617 ppm
Concentration per Run 2	97.2424 %	97.9942 %	100.5292 %	101.2956 %	96.1591 %	99.4767 %	0.4903 ppm
Concentration per Run 3	96.5074 %	98.0826 %	101.0377 %	99.6031 %	96.7389 %	99.5911 %	0.5009 ppm
Recovery Percentage 1							96.863 %
Concentration RSD	2.0 %	0.1 %	0.3 %	3.1 %	0.3 %	0.2 %	4.2 %

ICP DataTrace 6

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LabBook: WG2119193_09242025T6.imexp

Sample: CCB
 Analysis started at: 9/24/2025 7:51:00 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0010 ppm	0.0006 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 1	0.0002 ppm	-0.0025 ppm	-0.0009 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 2	0.0000 ppm	-0.0013 ppm	0.0022 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0047 ppm
Concentration per Run 3	0.0002 ppm	0.0007 ppm	0.0006 ppm	0.0006 ppm	0.0000 ppm	-0.0001 ppm	0.0019 ppm
Recovery Percentage 1	1.901 %	-1.032 %	12.791 %	1.970 %	-0.634 %	-0.112 %	2.780 %
Concentration RSD	63.1 %	159.0 %	243.7 %	6.6 %	119.2 %	747.8 %	58.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0005 ppm	-0.0013 ppm	0.0065 ppm	0.0000 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0006 ppm	-0.0017 ppm	-0.0017 ppm	0.0003 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0006 ppm	-0.0013 ppm	0.0129 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0004 ppm	-0.0003 ppm	-0.0010 ppm	0.0083 ppm	-0.0010 ppm
Recovery Percentage 1	-2.436 %	0.352 %	2.478 %	-4.996 %	-2.618 %	0.259 %	-0.007 %
Concentration RSD	46.0 %	153.3 %	50.8 %	34.7 %	26.4 %	115.5 %	12,690.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0002 ppm	0.0006 ppm	0.0039 ppm	-0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0006 ppm
Concentration per Run 1	-0.0002 ppm	0.0007 ppm	0.0025 ppm	-0.0003 ppm	0.0007 ppm	-0.0003 ppm	0.0013 ppm
Concentration per Run 2	0.0000 ppm	0.0006 ppm	0.0038 ppm	0.0003 ppm	0.0003 ppm	0.0009 ppm	0.0013 ppm
Concentration per Run 3	0.0007 ppm	0.0004 ppm	0.0053 ppm	-0.0002 ppm	0.0001 ppm	0.0003 ppm	-0.0007 ppm
Recovery Percentage 1	1.552 %	1.130 %	0.193 %	-0.234 %	3.667 %	0.607 %	6.186 %
Concentration RSD	296.4 %	23.4 %	36.1 %	580.7 %	81.6 %	190.5 %	190.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0008 ppm	0.0004 ppm	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run 1	0.0011 ppm	0.0002 ppm	-0.0001 ppm	-0.0002 ppm	-0.0002 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 2	0.0004 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run 3	0.0008 ppm	-0.0002 ppm	0.0001 ppm	-0.0001 ppm	-0.0010 ppm	0.0000 ppm	-0.0003 ppm
Recovery Percentage 1	0.157 %	0.831 %	0.277 %	-0.649 %	-1.507 %	0.899 %	-3.343 %
Concentration RSD	42.6 %	185.3 %	429.1 %	264.1 %	198.1 %	107.5 %	59.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.6887 %	100.0348 %	100.8280 %	102.6490 %	101.5210 %	100.6986 %	0.0004 ppm
Concentration per Run 1	101.2429 %	100.5908 %	101.1664 %	106.1011 %	101.9733 %	101.4550 %	0.0003 ppm
Concentration per Run 2	97.5360 %	100.0741 %	101.5936 %	101.6775 %	102.3103 %	100.8065 %	0.0004 ppm
Concentration per Run 3	97.2872 %	99.4395 %	99.7239 %	100.1684 %	100.2793 %	99.8345 %	0.0006 ppm
Recovery Percentage 1							4.076 %
Concentration RSD	2.2 %	0.6 %	1.0 %	3.0 %	1.1 %	0.8 %	32.9 %

ICP DataTrace 6

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LabBook: WG2119193_09242025T6.imexp

Sample: L2558253-05 WG2116111

Analysis started at: 9/24/2025 7:59:17 PM

Comments: <Comment>

Rack: 1

Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0075 ppm	0.0003 ppm	0.0222 ppm	0.1550 ppm	0.0000 ppm	99.3004 ppm
Concentration per Run 1	-0.0002 ppm	0.0060 ppm	0.0011 ppm	0.0221 ppm	0.1497 ppm	0.0000 ppm	96.1239 ppm
Concentration per Run 2	-0.0001 ppm	0.0080 ppm	-0.0003 ppm	0.0224 ppm	0.1563 ppm	0.0000 ppm	100.5509 ppm
Concentration per Run 3	0.0000 ppm	0.0084 ppm	0.0001 ppm	0.0221 ppm	0.1589 ppm	0.0000 ppm	101.2263 ppm
Concentration RSD	145.5 %	17.0 %	242.9 %	0.6 %	3.1 %	1,996.9 %	2.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0040 ppm	0.0068 ppm	1.1489 ppm	16.1772 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0038 ppm	0.0077 ppm	1.1017 ppm	16.0115 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0004 ppm	0.0040 ppm	0.0060 ppm	1.1574 ppm	16.2603 ppm
Concentration per Run 3	0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0040 ppm	0.0067 ppm	1.1876 ppm	16.2598 ppm
Concentration RSD	123.0 %	30.3 %	82.3 %	3.2 %	12.1 %	3.8 %	0.9 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0005 ppm	0.0010 ppm	32.0649 ppm	0.0019 ppm	-0.0003 ppm	0.0006 ppm	-0.0009 ppm
Concentration per Run 1	0.0007 ppm	0.0011 ppm	31.0586 ppm	0.0018 ppm	0.0001 ppm	0.0013 ppm	-0.0003 ppm
Concentration per Run 2	0.0003 ppm	0.0009 ppm	32.2120 ppm	0.0019 ppm	-0.0004 ppm	0.0002 ppm	-0.0024 ppm
Concentration per Run 3	0.0005 ppm	0.0011 ppm	32.9241 ppm	0.0019 ppm	-0.0007 ppm	0.0003 ppm	0.0002 ppm
Concentration RSD	32.3 %	7.9 %	2.9 %	3.5 %	121.7 %	98.3 %	158.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	4.9885 ppm	-0.0003 ppm	0.2959 ppm	0.0002 ppm	-0.0005 ppm	0.0000 ppm	0.0044 ppm
Concentration per Run 1	5.0254 ppm	-0.0001 ppm	0.2860 ppm	0.0003 ppm	-0.0015 ppm	-0.0001 ppm	0.0045 ppm
Concentration per Run 2	5.0029 ppm	-0.0006 ppm	0.2989 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0044 ppm
Concentration per Run 3	4.9373 ppm	-0.0001 ppm	0.3029 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0042 ppm
Concentration RSD	0.9 %	92.6 %	3.0 %	16.3 %	201.6 %	943.2 %	3.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.4054 %	92.1993 %	93.0267 %	102.0444 %	85.4922 %	94.3620 %	0.0091 ppm
Concentration per Run 1	98.7652 %	93.0393 %	93.2580 %	105.2076 %	84.8730 %	95.5747 %	0.0088 ppm
Concentration per Run 2	94.7942 %	91.7032 %	92.5519 %	100.6822 %	85.2101 %	93.6584 %	0.0093 ppm
Concentration per Run 3	95.6568 %	91.8554 %	93.2704 %	100.2433 %	86.3934 %	93.8528 %	0.0092 ppm
Concentration RSD	2.2 %	0.8 %	0.4 %	2.7 %	0.9 %	1.1 %	2.9 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2558407-01 WG2116111
 Analysis started at: 9/24/2025 8:05:48 PM
 Comments: <Comment>
 Rack: 1
 Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.1075 ppm	0.0012 ppm	0.0257 ppm	0.0102 ppm	0.0000 ppm	4.2324 ppm
Concentration per Run 1	0.0001 ppm	0.1036 ppm	0.0007 ppm	0.0262 ppm	0.0099 ppm	0.0000 ppm	4.0203 ppm
Concentration per Run 2	0.0005 ppm	0.1098 ppm	0.0009 ppm	0.0258 ppm	0.0103 ppm	0.0000 ppm	4.2639 ppm
Concentration per Run 3	0.0003 ppm	0.1092 ppm	0.0019 ppm	0.0253 ppm	0.0106 ppm	0.0000 ppm	4.4129 ppm
Concentration RSD	61.0 %	3.2 %	52.3 %	1.7 %	3.6 %	33.4 %	4.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0036 ppm	0.0007 ppm	0.4144 ppm	0.0485 ppm	3.7730 ppm	2.7269 ppm	1.0459 ppm
Concentration per Run 1	0.0036 ppm	0.0007 ppm	0.4140 ppm	0.0477 ppm	3.5764 ppm	2.6398 ppm	1.0444 ppm
Concentration per Run 2	0.0035 ppm	0.0007 ppm	0.4194 ppm	0.0491 ppm	3.8115 ppm	2.7039 ppm	1.0588 ppm
Concentration per Run 3	0.0036 ppm	0.0006 ppm	0.4096 ppm	0.0486 ppm	3.9311 ppm	2.8370 ppm	1.0344 ppm
Concentration RSD	1.0 %	4.1 %	1.2 %	1.4 %	4.8 %	3.7 %	1.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0170 ppm	0.0023 ppm	198.0726 ppm	0.0124 ppm	-0.0001 ppm	0.0060 ppm	0.0022 ppm
Concentration per Run 1	0.0163 ppm	0.0023 ppm	186.5222 ppm	0.0124 ppm	0.0011 ppm	0.0060 ppm	0.0023 ppm
Concentration per Run 2	0.0173 ppm	0.0023 ppm	202.0141 ppm	0.0123 ppm	-0.0008 ppm	0.0068 ppm	0.0040 ppm
Concentration per Run 3	0.0175 ppm	0.0024 ppm	205.6816 ppm	0.0124 ppm	-0.0004 ppm	0.0052 ppm	0.0002 ppm
Concentration RSD	3.7 %	1.8 %	5.1 %	0.6 %	1,341.9 %	13.1 %	85.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	2.1273 ppm	0.0015 ppm	0.0368 ppm	0.0016 ppm	-0.0020 ppm	0.0010 ppm	0.0741 ppm
Concentration per Run 1	2.1328 ppm	0.0009 ppm	0.0351 ppm	0.0017 ppm	-0.0019 ppm	0.0012 ppm	0.0738 ppm
Concentration per Run 2	2.1358 ppm	0.0019 ppm	0.0372 ppm	0.0016 ppm	-0.0016 ppm	0.0010 ppm	0.0742 ppm
Concentration per Run 3	2.1134 ppm	0.0016 ppm	0.0380 ppm	0.0015 ppm	-0.0026 ppm	0.0008 ppm	0.0741 ppm
Concentration RSD	0.6 %	32.7 %	4.1 %	6.4 %	22.8 %	20.4 %	0.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	94.0456 %	89.5893 %	90.7488 %	94.9129 %	82.9064 %	90.0842 %	0.0034 ppm
Concentration per Run 1	97.2418 %	90.2632 %	90.1692 %	99.0781 %	82.3352 %	92.7697 %	0.0035 ppm
Concentration per Run 2	92.7921 %	88.4700 %	90.6164 %	94.4367 %	82.7415 %	87.5811 %	0.0036 ppm
Concentration per Run 3	92.1028 %	90.0347 %	91.4608 %	91.2238 %	83.6424 %	89.9018 %	0.0032 ppm
Concentration RSD	3.0 %	1.1 %	0.7 %	4.2 %	0.8 %	2.9 %	6.5 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2557733-01d4 WG2116756

Analysis started at: 9/24/2025 8:12:27 PM

Comments: <Comment>

Rack: 1

Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0106 ppm	0.0000 ppm	0.0196 ppm	0.0192 ppm	0.0000 ppm	12.1024 ppm
Concentration per Run 1	0.0000 ppm	0.0104 ppm	0.0002 ppm	0.0194 ppm	0.0187 ppm	0.0000 ppm	11.7542 ppm
Concentration per Run 2	0.0002 ppm	0.0117 ppm	-0.0010 ppm	0.0198 ppm	0.0193 ppm	0.0000 ppm	12.1740 ppm
Concentration per Run 3	0.0002 ppm	0.0096 ppm	0.0009 ppm	0.0196 ppm	0.0195 ppm	0.0000 ppm	12.3791 ppm
Concentration RSD	71.1 %	10.0 %	2,791.6 %	0.9 %	2.1 %	170.5 %	2.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0061 ppm	0.0025 ppm	0.0001 ppm	0.0078 ppm	0.0597 ppm	0.2607 ppm	0.6204 ppm
Concentration per Run 1	0.0060 ppm	0.0024 ppm	0.0003 ppm	0.0077 ppm	0.0587 ppm	0.2505 ppm	0.6187 ppm
Concentration per Run 2	0.0061 ppm	0.0025 ppm	-0.0001 ppm	0.0080 ppm	0.0602 ppm	0.2730 ppm	0.6217 ppm
Concentration per Run 3	0.0061 ppm	0.0026 ppm	0.0000 ppm	0.0076 ppm	0.0601 ppm	0.2587 ppm	0.6209 ppm
Concentration RSD	1.1 %	5.0 %	391.1 %	3.1 %	1.4 %	4.4 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.2031 ppm	0.0005 ppm	36.1794 ppm	0.0216 ppm	0.0268 ppm	0.0012 ppm	-0.0001 ppm
Concentration per Run 1	0.1976 ppm	0.0004 ppm	35.2727 ppm	0.0217 ppm	0.0263 ppm	0.0008 ppm	-0.0011 ppm
Concentration per Run 2	0.2046 ppm	0.0007 ppm	36.8099 ppm	0.0216 ppm	0.0276 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run 3	0.2071 ppm	0.0004 ppm	36.4557 ppm	0.0216 ppm	0.0265 ppm	0.0017 ppm	0.0006 ppm
Concentration RSD	2.4 %	25.2 %	2.2 %	0.3 %	2.5 %	40.9 %	1,162.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.1195 ppm	0.0010 ppm	0.0458 ppm	0.0002 ppm	-0.0025 ppm	0.0004 ppm	6.9928 ppm
Concentration per Run 1	0.1186 ppm	0.0009 ppm	0.0447 ppm	0.0004 ppm	-0.0030 ppm	0.0005 ppm	6.9034 ppm
Concentration per Run 2	0.1207 ppm	0.0009 ppm	0.0462 ppm	0.0000 ppm	-0.0021 ppm	0.0002 ppm	7.0645 ppm
Concentration per Run 3	0.1192 ppm	0.0013 ppm	0.0464 ppm	0.0003 ppm	-0.0023 ppm	0.0004 ppm	7.0105 ppm
Concentration RSD	0.9 %	20.6 %	2.1 %	96.3 %	20.4 %	35.7 %	1.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.5806 %	95.8657 %	97.4922 %	100.8619 %	91.8000 %	97.5917 %	0.0040 ppm
Concentration per Run 1	97.8519 %	95.9105 %	97.3563 %	103.2668 %	92.0883 %	97.5829 %	0.0037 ppm
Concentration per Run 2	95.6521 %	95.8467 %	96.9847 %	99.8715 %	91.0204 %	97.5448 %	0.0036 ppm
Concentration per Run 3	96.2379 %	95.8399 %	98.1356 %	99.4475 %	92.2914 %	97.6475 %	0.0047 ppm
Concentration RSD	1.2 %	0.0 %	0.6 %	2.1 %	0.7 %	0.1 %	15.0 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2556933-01 WG2115665
 Analysis started at: 9/24/2025 8:18:59 PM
 Comments: <Comment>
 Rack: 1
 Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0005 ppm	0.0601 ppm	0.0011 ppm	0.0865 ppm	0.0582 ppm	0.0000 ppm	53.1845 ppm
Concentration per Run 1	0.0005 ppm	0.0562 ppm	0.0005 ppm	0.0889 ppm	0.0583 ppm	0.0001 ppm	53.5429 ppm
Concentration per Run 2	0.0006 ppm	0.0601 ppm	0.0029 ppm	0.0856 ppm	0.0586 ppm	0.0000 ppm	52.8366 ppm
Concentration per Run 3	0.0005 ppm	0.0641 ppm	-0.0001 ppm	0.0852 ppm	0.0578 ppm	0.0000 ppm	53.1740 ppm
Concentration RSD	6.5 %	6.5 %	146.9 %	2.4 %	0.7 %	134.3 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0005 ppm	0.0042 ppm	0.0958 ppm	0.0034 ppm	0.3539 ppm	5.7453 ppm	13.0240 ppm
Concentration per Run 1	0.0005 ppm	0.0044 ppm	0.0954 ppm	0.0035 ppm	0.3546 ppm	5.6915 ppm	13.0569 ppm
Concentration per Run 2	0.0004 ppm	0.0042 ppm	0.0963 ppm	0.0034 ppm	0.3530 ppm	5.8806 ppm	13.0078 ppm
Concentration per Run 3	0.0004 ppm	0.0040 ppm	0.0957 ppm	0.0033 ppm	0.3542 ppm	5.6639 ppm	13.0072 ppm
Concentration RSD	5.7 %	5.2 %	0.5 %	2.1 %	0.2 %	2.1 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	1.4358 ppm	0.0027 ppm	248.6194 ppm	0.0086 ppm	-0.0005 ppm	0.0010 ppm	-0.0015 ppm
Concentration per Run 1	1.4435 ppm	0.0028 ppm	241.8792 ppm	0.0086 ppm	-0.0003 ppm	0.0010 ppm	0.0007 ppm
Concentration per Run 2	1.4306 ppm	0.0028 ppm	245.1668 ppm	0.0087 ppm	-0.0005 ppm	0.0020 ppm	-0.0034 ppm
Concentration per Run 3	1.4332 ppm	0.0026 ppm	258.8123 ppm	0.0086 ppm	-0.0006 ppm	0.0000 ppm	-0.0020 ppm
Concentration RSD	0.5 %	2.9 %	3.6 %	1.3 %	37.0 %	104.1 %	133.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	7.1093 ppm	0.0003 ppm	0.2457 ppm	0.0017 ppm	-0.0006 ppm	0.0025 ppm	0.0103 ppm
Concentration per Run 1	7.2948 ppm	0.0002 ppm	0.2464 ppm	0.0017 ppm	-0.0012 ppm	0.0025 ppm	0.0106 ppm
Concentration per Run 2	7.0333 ppm	0.0008 ppm	0.2471 ppm	0.0017 ppm	0.0001 ppm	0.0024 ppm	0.0103 ppm
Concentration per Run 3	6.9998 ppm	-0.0001 ppm	0.2435 ppm	0.0017 ppm	-0.0006 ppm	0.0026 ppm	0.0101 ppm
Concentration RSD	2.3 %	140.0 %	0.8 %	1.2 %	122.2 %	5.2 %	2.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	94.9730 %	89.3534 %	89.8287 %	94.5973 %	76.9437 %	91.3433 %	0.0018 ppm
Concentration per Run 1	95.9860 %	89.4271 %	88.2285 %	94.1172 %	75.1443 %	91.3574 %	0.0015 ppm
Concentration per Run 2	94.5666 %	89.2750 %	90.8386 %	94.5548 %	77.7608 %	91.1816 %	0.0020 ppm
Concentration per Run 3	94.3664 %	89.3582 %	90.4190 %	95.1200 %	77.9260 %	91.4909 %	0.0018 ppm
Concentration RSD	0.9 %	0.1 %	1.6 %	0.5 %	2.0 %	0.2 %	13.3 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: eL2557828-01 WG2115665
 Analysis started at: 9/24/2025 8:25:38 PM
 Comments: <Comment>
 Rack: 1
 Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0113 ppm	-0.0005 ppm	0.1941 ppm	0.3565 ppm	0.0000 ppm	280.9567 ppm
Concentration per Run 1	0.0000 ppm	0.0120 ppm	0.0000 ppm	0.1963 ppm	0.3563 ppm	0.0000 ppm	284.9864 ppm
Concentration per Run 2	-0.0001 ppm	0.0140 ppm	-0.0019 ppm	0.1950 ppm	0.3564 ppm	0.0000 ppm	281.7142 ppm
Concentration per Run 3	0.0002 ppm	0.0079 ppm	0.0003 ppm	0.1911 ppm	0.3569 ppm	0.0001 ppm	276.1693 ppm
Concentration RSD	633.4 %	27.3 %	226.0 %	1.4 %	0.1 %	895.4 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0006 ppm	0.0007 ppm	0.0006 ppm	0.0026 ppm	0.0117 ppm	25.9937 ppm	67.0860 ppm
Concentration per Run 1	0.0006 ppm	0.0006 ppm	0.0006 ppm	0.0026 ppm	0.0125 ppm	25.9454 ppm	67.0408 ppm
Concentration per Run 2	0.0006 ppm	0.0007 ppm	0.0006 ppm	0.0026 ppm	0.0105 ppm	25.8672 ppm	67.1410 ppm
Concentration per Run 3	0.0007 ppm	0.0007 ppm	0.0007 ppm	0.0026 ppm	0.0120 ppm	26.1685 ppm	67.0761 ppm
Concentration RSD	8.6 %	12.1 %	8.3 %	1.0 %	8.9 %	0.6 %	0.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.2829 ppm	0.0037 ppm	675.1500 [SIC 500]	0.0015 ppm	-0.0014 ppm	0.0022 ppm	0.0016 ppm
Concentration per Run 1	0.2856 ppm	0.0038 ppm	685.4127 ppm	0.0012 ppm	-0.0009 ppm	0.0007 ppm	0.0047 ppm
Concentration per Run 2	0.2832 ppm	0.0040 ppm	688.6083 ppm	0.0017 ppm	-0.0020 ppm	0.0037 ppm	0.0002 ppm
Concentration per Run 3	0.2799 ppm	0.0035 ppm	651.4291 ppm	0.0015 ppm	-0.0012 ppm	0.0022 ppm	-0.0003 ppm
Concentration RSD	1.0 %	6.1 %	3.1 %	15.6 %	39.9 %	66.7 %	176.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	8.0568 ppm	-0.0002 ppm	2.0003 ppm	0.0011 ppm	-0.0022 ppm	0.0009 ppm	0.0045 ppm
Concentration per Run 1	8.1365 ppm	-0.0002 ppm	2.0356 ppm	0.0009 ppm	0.0008 ppm	0.0010 ppm	0.0043 ppm
Concentration per Run 2	8.0904 ppm	-0.0004 ppm	1.9863 ppm	0.0011 ppm	-0.0019 ppm	0.0010 ppm	0.0045 ppm
Concentration per Run 3	7.9437 ppm	-0.0002 ppm	1.9790 ppm	0.0012 ppm	-0.0055 ppm	0.0009 ppm	0.0045 ppm
Concentration RSD	1.2 %	54.0 %	1.5 %	13.6 %	144.5 %	5.4 %	2.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	90.7462 %	80.8063 %	83.1906 %	90.6867 %	64.7732 %	82.1611 %	0.0119 ppm
Concentration per Run 1	90.8424 %	80.8198 %	82.7079 %	89.9751 %	63.9844 %	82.0612 %	0.0118 ppm
Concentration per Run 2	90.5496 %	80.7415 %	82.9998 %	90.7488 %	64.4767 %	82.1839 %	0.0121 ppm
Concentration per Run 3	90.8465 %	80.8575 %	83.8641 %	91.3361 %	65.8585 %	82.2381 %	0.0119 ppm
Concentration RSD	0.2 %	0.1 %	0.7 %	0.8 %	1.5 %	0.1 %	1.4 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2557828-02 WG2115665
 Analysis started at: 9/24/2025 8:32:26 PM
 Comments: <Comment>
 Rack: 1
 Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0523 ppm	0.0006 ppm	0.2859 ppm	0.1283 ppm	0.0000 ppm	153.7523 ppm
Concentration per Run 1	0.0001 ppm	0.0543 ppm	-0.0004 ppm	0.2874 ppm	0.1290 ppm	0.0000 ppm	155.7034 ppm
Concentration per Run 2	0.0002 ppm	0.0506 ppm	0.0012 ppm	0.2851 ppm	0.1280 ppm	0.0000 ppm	152.8568 ppm
Concentration per Run 3	-0.0004 ppm	0.0520 ppm	0.0010 ppm	0.2854 ppm	0.1278 ppm	0.0000 ppm	152.6968 ppm
Concentration RSD	2,236.6 %	3.5 %	145.6 %	0.5 %	0.5 %	4,398.3 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	0.0005 ppm	0.0039 ppm	0.0021 ppm	0.0835 ppm	18.1053 ppm	27.7812 ppm
Concentration per Run 1	0.0001 ppm	0.0004 ppm	0.0037 ppm	0.0018 ppm	0.0850 ppm	18.0974 ppm	26.7061 ppm
Concentration per Run 2	0.0001 ppm	0.0007 ppm	0.0039 ppm	0.0019 ppm	0.0825 ppm	18.0503 ppm	27.5498 ppm
Concentration per Run 3	0.0001 ppm	0.0005 ppm	0.0041 ppm	0.0028 ppm	0.0831 ppm	18.1681 ppm	29.0877 ppm
Concentration RSD	26.4 %	31.5 %	5.2 %	25.3 %	1.6 %	0.3 %	4.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0219 ppm	0.0188 ppm	195.1138 ppm	0.0003 ppm	-0.0005 ppm	0.0004 ppm	0.0010 ppm
Concentration per Run 1	0.0219 ppm	0.0187 ppm	197.8495 ppm	0.0005 ppm	-0.0012 ppm	0.0002 ppm	0.0011 ppm
Concentration per Run 2	0.0220 ppm	0.0188 ppm	191.4226 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0030 ppm
Concentration per Run 3	0.0218 ppm	0.0188 ppm	196.0693 ppm	0.0005 ppm	-0.0005 ppm	0.0011 ppm	-0.0010 ppm
Concentration RSD	0.5 %	0.3 %	1.7 %	128.8 %	125.0 %	141.6 %	192.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.9813 ppm	-0.0001 ppm	1.2560 ppm	0.0043 ppm	-0.0016 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run 1	6.0006 ppm	0.0004 ppm	1.2616 ppm	0.0040 ppm	-0.0021 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run 2	5.9731 ppm	-0.0010 ppm	1.2550 ppm	0.0044 ppm	-0.0013 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run 3	5.9704 ppm	0.0002 ppm	1.2514 ppm	0.0045 ppm	-0.0014 ppm	0.0013 ppm	-0.0002 ppm
Concentration RSD	0.3 %	529.7 %	0.4 %	6.1 %	28.4 %	4.5 %	1,118.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	93.1750 %	89.6539 %	89.3205 %	93.2166 %	76.3704 %	91.8617 %	0.0053 ppm
Concentration per Run 1	93.3513 %	92.7112 %	88.9294 %	92.6179 %	76.1368 %	95.8242 %	0.0053 ppm
Concentration per Run 2	92.8109 %	90.5827 %	89.8175 %	93.2971 %	76.4939 %	94.5108 %	0.0055 ppm
Concentration per Run 3	93.3630 %	85.6679 %	89.2147 %	93.7349 %	76.4806 %	85.2501 %	0.0051 ppm
Concentration RSD	0.3 %	4.0 %	0.5 %	0.6 %	0.3 %	6.3 %	3.5 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2557828-04 WG2115665

Analysis started at: 9/24/2025 8:39:06 PM

Comments: <Comment>

Rack: 1

Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0541 ppm	0.0001 ppm	0.2886 ppm	0.1283 ppm	0.0000 ppm	153.5495 ppm
Concentration per Run 1	0.0000 ppm	0.0538 ppm	-0.0002 ppm	0.2919 ppm	0.1289 ppm	0.0000 ppm	153.2564 ppm
Concentration per Run 2	-0.0002 ppm	0.0552 ppm	-0.0004 ppm	0.2868 ppm	0.1280 ppm	0.0000 ppm	153.6131 ppm
Concentration per Run 3	0.0000 ppm	0.0533 ppm	0.0010 ppm	0.2872 ppm	0.1280 ppm	0.0000 ppm	153.7790 ppm
Concentration RSD	209.7 %	1.9 %	580.3 %	1.0 %	0.4 %	78.2 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	0.0005 ppm	0.0024 ppm	0.0022 ppm	0.0677 ppm	18.0785 ppm	28.2746 ppm
Concentration per Run 1	0.0001 ppm	0.0004 ppm	0.0023 ppm	0.0023 ppm	0.0671 ppm	18.0296 ppm	28.2819 ppm
Concentration per Run 2	0.0001 ppm	0.0006 ppm	0.0025 ppm	0.0022 ppm	0.0683 ppm	18.2439 ppm	28.3252 ppm
Concentration per Run 3	0.0001 ppm	0.0006 ppm	0.0023 ppm	0.0021 ppm	0.0678 ppm	17.9620 ppm	28.2169 ppm
Concentration RSD	18.5 %	28.3 %	6.3 %	3.2 %	0.9 %	0.8 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0219 ppm	0.0190 ppm	195.8926 ppm	0.0005 ppm	-0.0001 ppm	0.0014 ppm	0.0015 ppm
Concentration per Run 1	0.0221 ppm	0.0194 ppm	193.8385 ppm	0.0003 ppm	0.0000 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run 2	0.0216 ppm	0.0188 ppm	200.9634 ppm	0.0003 ppm	-0.0002 ppm	0.0018 ppm	0.0015 ppm
Concentration per Run 3	0.0221 ppm	0.0189 ppm	192.8759 ppm	0.0008 ppm	-0.0002 ppm	0.0015 ppm	0.0027 ppm
Concentration RSD	1.5 %	1.5 %	2.3 %	64.2 %	101.1 %	34.4 %	83.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	6.0228 ppm	-0.0002 ppm	1.2538 ppm	0.0043 ppm	-0.0010 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run 1	6.1055 ppm	-0.0001 ppm	1.2614 ppm	0.0044 ppm	-0.0022 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run 2	5.9885 ppm	-0.0002 ppm	1.2517 ppm	0.0043 ppm	-0.0003 ppm	0.0013 ppm	0.0003 ppm
Concentration per Run 3	5.9744 ppm	-0.0003 ppm	1.2482 ppm	0.0043 ppm	-0.0005 ppm	0.0013 ppm	0.0001 ppm
Concentration RSD	1.2 %	42.7 %	0.5 %	0.3 %	99.9 %	4.0 %	56.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	92.8709 %	88.2968 %	89.0753 %	93.1641 %	75.8210 %	90.3889 %	0.0052 ppm
Concentration per Run 1	93.4541 %	88.3146 %	88.2937 %	93.1342 %	74.7261 %	90.5952 %	0.0053 ppm
Concentration per Run 2	92.6266 %	88.1461 %	89.7603 %	93.0130 %	76.4224 %	90.2004 %	0.0052 ppm
Concentration per Run 3	92.5319 %	88.4298 %	89.1719 %	93.3451 %	76.3146 %	90.3711 %	0.0051 ppm
Concentration RSD	0.5 %	0.2 %	0.8 %	0.2 %	1.3 %	0.2 %	2.1 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: eL2557836-01 WG2115665
 Analysis started at: 9/24/2025 8:45:46 PM
 Comments: <Comment>
 Rack: 1
 Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0356 ppm	0.0013 ppm	1.6656 ppm	0.0807 ppm	-0.0001 ppm	172.9660 ppm
Concentration per Run 1	-0.0002 ppm	0.0318 ppm	0.0032 ppm	1.6396 ppm	0.0795 ppm	-0.0001 ppm	172.0200 ppm
Concentration per Run 2	-0.0003 ppm	0.0348 ppm	0.0002 ppm	1.6628 ppm	0.0809 ppm	0.0000 ppm	173.6003 ppm
Concentration per Run 3	-0.0003 ppm	0.0402 ppm	0.0005 ppm	1.6943 ppm	0.0817 ppm	-0.0001 ppm	173.2777 ppm
Concentration RSD	12.9 %	11.9 %	131.6 %	1.6 %	1.4 %	82.7 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0003 ppm	0.0006 ppm	0.0007 ppm	0.0075 ppm	0.1542 ppm	141.0421 ppm	335.7187 ppm
Concentration per Run 1	0.0003 ppm	0.0006 ppm	0.0008 ppm	0.0076 ppm	0.1541 ppm	138.8642 ppm	340.5154 ppm
Concentration per Run 2	0.0003 ppm	0.0008 ppm	0.0006 ppm	0.0076 ppm	0.1533 ppm	140.5022 ppm	324.2121 ppm
Concentration per Run 3	0.0003 ppm	0.0006 ppm	0.0006 ppm	0.0072 ppm	0.1553 ppm	143.7598 ppm	342.4287 ppm
Concentration RSD	5.3 %	22.1 %	16.1 %	3.0 %	0.6 %	1.8 %	3.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.1828 ppm	0.3556 ppm	0.0000 ppm	0.0008 ppm	-0.0006 ppm	0.0037 ppm	-0.0022 ppm
Concentration per Run 1	0.1810 ppm	0.3500 ppm	0.0000 ppm	0.0009 ppm	-0.0003 ppm	0.0044 ppm	-0.0007 ppm
Concentration per Run 2	0.1835 ppm	0.3544 ppm	0.0000 ppm	0.0009 ppm	-0.0009 ppm	0.0035 ppm	-0.0054 ppm
Concentration per Run 3	0.1838 ppm	0.3623 ppm	0.0000 ppm	0.0006 ppm	-0.0006 ppm	0.0033 ppm	-0.0004 ppm
Concentration RSD	0.8 %	1.8 %		19.9 %	52.2 %	15.1 %	129.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.2782 ppm	-0.0003 ppm	2.6618 ppm	0.0022 ppm	-0.0027 ppm	0.0012 ppm	0.0562 ppm
Concentration per Run 1	5.2029 ppm	-0.0003 ppm	2.6530 ppm	0.0020 ppm	-0.0042 ppm	0.0012 ppm	0.0554 ppm
Concentration per Run 2	5.2627 ppm	-0.0011 ppm	2.6646 ppm	0.0023 ppm	-0.0016 ppm	0.0012 ppm	0.0561 ppm
Concentration per Run 3	5.3688 ppm	0.0005 ppm	2.6677 ppm	0.0023 ppm	-0.0024 ppm	0.0012 ppm	0.0572 ppm
Concentration RSD	1.6 %	277.7 %	0.3 %	6.8 %	49.3 %	0.7 %	1.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	85.6431 %	70.5660 %	75.0342 %	87.7925 %	52.8255 %	71.7502 %	0.0644 ppm
Concentration per Run 1	85.8826 %	70.4811 %	75.7102 %	88.8166 %	53.7146 %	71.6591 %	0.0628 ppm
Concentration per Run 2	85.4525 %	70.6988 %	75.3804 %	87.6139 %	52.8705 %	71.9000 %	0.0650 ppm
Concentration per Run 3	85.5941 %	70.5182 %	74.0120 %	86.9471 %	51.8915 %	71.6914 %	0.0653 ppm
Concentration RSD	0.3 %	0.2 %	1.2 %	1.1 %	1.7 %	0.2 %	2.1 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: CCV
Analysis started at: 9/24/2025 8:52:36 PM
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4786 ppm	0.4920 ppm	0.4496 ppm	0.4585 ppm	0.4899 ppm	0.5145 ppm	0.5192 ppm
Concentration per Run 1	0.4635 ppm	0.4837 ppm	0.4532 ppm	0.4618 ppm	0.4842 ppm	0.5110 ppm	0.5165 ppm
Concentration per Run 2	0.4894 ppm	0.4982 ppm	0.4499 ppm	0.4581 ppm	0.4908 ppm	0.5149 ppm	0.5172 ppm
Concentration per Run 3	0.4828 ppm	0.4941 ppm	0.4458 ppm	0.4558 ppm	0.4946 ppm	0.5176 ppm	0.5237 ppm
Recovery Percentage 1	95.715 %	98.398 %	89.925 %	91.710 %	97.973 %	102.896 %	103.830 %
Concentration RSD	2.8 %	1.5 %	0.8 %	0.7 %	1.1 %	0.6 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4754 ppm	0.4738 ppm	0.4862 ppm	0.4827 ppm	0.5276 ppm	5.2555 ppm	0.5112 ppm
Concentration per Run 1	0.4795 ppm	0.4764 ppm	0.4700 ppm	0.4689 ppm	0.5223 ppm	5.1329 ppm	0.4939 ppm
Concentration per Run 2	0.4749 ppm	0.4742 ppm	0.4978 ppm	0.4931 ppm	0.5243 ppm	5.3245 ppm	0.5239 ppm
Concentration per Run 3	0.4720 ppm	0.4708 ppm	0.4909 ppm	0.4860 ppm	0.5361 ppm	5.3092 ppm	0.5158 ppm
Recovery Percentage 1	95.089 %	94.760 %	97.243 %	96.540 %	105.513 %	105.111 %	102.237 %
Concentration RSD	0.8 %	0.6 %	3.0 %	2.6 %	1.4 %	2.0 %	3.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5227 ppm	0.4619 ppm	10.1215 ppm	0.4847 ppm	0.4893 ppm	0.4726 ppm	0.4608 ppm
Concentration per Run 1	0.5188 ppm	0.4636 ppm	9.8754 ppm	0.4883 ppm	0.4921 ppm	0.4750 ppm	0.4626 ppm
Concentration per Run 2	0.5228 ppm	0.4628 ppm	10.2266 ppm	0.4842 ppm	0.4901 ppm	0.4736 ppm	0.4614 ppm
Concentration per Run 3	0.5263 ppm	0.4593 ppm	10.2625 ppm	0.4816 ppm	0.4858 ppm	0.4692 ppm	0.4583 ppm
Recovery Percentage 1	104.532 %	92.386 %	101.215 %	96.940 %	97.869 %	94.516 %	92.155 %
Concentration RSD	0.7 %	0.5 %	2.1 %	0.7 %	0.7 %	0.6 %	0.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.0219 ppm	0.4774 ppm	0.5146 ppm	0.4870 ppm	0.5030 ppm	0.4875 ppm	0.4751 ppm
Concentration per Run 1	5.0348 ppm	0.4809 ppm	0.5089 ppm	0.4711 ppm	0.5056 ppm	0.4715 ppm	0.4806 ppm
Concentration per Run 2	5.0383 ppm	0.4770 ppm	0.5157 ppm	0.4994 ppm	0.5031 ppm	0.4994 ppm	0.4729 ppm
Concentration per Run 3	4.9926 ppm	0.4742 ppm	0.5192 ppm	0.4904 ppm	0.5001 ppm	0.4917 ppm	0.4717 ppm
Recovery Percentage 1	95.655 %	95.473 %	102.917 %	97.391 %	100.592 %	97.503 %	95.012 %
Concentration RSD	0.5 %	0.7 %	1.0 %	3.0 %	0.5 %	3.0 %	1.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.4651 %	99.6147 %	101.5960 %	99.8059 %	98.4066 %	101.4375 %	0.4898 ppm
Concentration per Run 1	96.5564 %	102.3430 %	101.6732 %	100.6640 %	98.1947 %	104.7184 %	0.4756 ppm
Concentration per Run 2	96.3213 %	97.7182 %	101.3320 %	99.7222 %	98.0994 %	99.1062 %	0.4949 ppm
Concentration per Run 3	96.5175 %	98.7830 %	101.7827 %	99.0316 %	98.9259 %	100.4879 %	0.4990 ppm
Recovery Percentage 1							97.965 %
Concentration RSD	0.1 %	2.4 %	0.2 %	0.8 %	0.5 %	2.9 %	2.6 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: CCB
Analysis started at: 9/24/2025 8:58:54 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	-0.0006 ppm	0.0008 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0043 ppm
Concentration per Run 1	0.0002 ppm	-0.0013 ppm	0.0007 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run 2	0.0003 ppm	0.0030 ppm	0.0002 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0062 ppm
Concentration per Run 3	0.0003 ppm	-0.0034 ppm	0.0017 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0054 ppm
Recovery Percentage 1	3.688 %	-0.571 %	16.679 %	3.364 %	0.408 %	-0.513 %	4.336 %
Concentration RSD	19.3 %	564.5 %	92.6 %	19.8 %	144.2 %	55.0 %	59.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0005 ppm	-0.0008 ppm	0.0890 ppm	0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0005 ppm	0.0000 ppm	0.0784 ppm	-0.0006 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	-0.0021 ppm	0.0956 ppm	0.0001 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	-0.0006 ppm	-0.0004 ppm	0.0931 ppm	0.0022 ppm
Recovery Percentage 1	-2.373 %	-0.118 %	0.892 %	-4.833 %	-1.643 %	3.562 %	0.570 %
Concentration RSD	19.6 %	330.5 %	177.7 %	16.8 %	132.7 %	10.4 %	250.9 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0001 ppm	0.0007 ppm	0.2629 ppm	-0.0001 ppm	0.0005 ppm	0.0006 ppm	-0.0007 ppm
Concentration per Run 1	0.0002 ppm	0.0007 ppm	0.2641 ppm	-0.0002 ppm	0.0004 ppm	0.0007 ppm	-0.0006 ppm
Concentration per Run 2	0.0003 ppm	0.0008 ppm	0.2647 ppm	-0.0002 ppm	0.0009 ppm	0.0003 ppm	-0.0018 ppm
Concentration per Run 3	-0.0001 ppm	0.0005 ppm	0.2600 ppm	0.0000 ppm	0.0003 ppm	0.0007 ppm	0.0002 ppm
Recovery Percentage 1	1.345 %	1.338 %	13.146 %	-0.456 %	5.379 %	1.124 %	-7.000 %
Concentration RSD	125.9 %	19.4 %	1.0 %	72.3 %	60.6 %	45.1 %	144.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	-0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run 1	-0.0005 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run 2	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0005 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run 3	-0.0007 ppm	0.0002 ppm	-0.0001 ppm	-0.0001 ppm	-0.0005 ppm	0.0001 ppm	-0.0001 ppm
Recovery Percentage 1	-0.094 %	0.467 %	-0.067 %	0.206 %	-1.765 %	1.890 %	-2.065 %
Concentration RSD	43.3 %	115.9 %	1,209.5 %	363.4 %	66.7 %	62.8 %	48.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.3524 %	101.2659 %	103.2888 %	100.4500 %	104.7506 %	102.2467 %	0.0002 ppm
Concentration per Run 1	100.0464 %	101.4816 %	103.6092 %	102.3557 %	104.8796 %	102.4321 %	0.0005 ppm
Concentration per Run 2	97.4677 %	101.1815 %	103.4260 %	99.7051 %	104.6652 %	102.1813 %	-0.0001 ppm
Concentration per Run 3	97.5431 %	101.1347 %	102.8310 %	99.2890 %	104.7071 %	102.1267 %	0.0000 ppm
Recovery Percentage 1							1.568 %
Concentration RSD	1.5 %	0.2 %	0.4 %	1.7 %	0.1 %	0.2 %	216.1 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: WG2114996-1 WG2114996

Analysis started at: 9/24/2025 9:14:04 PM

Comments: <Comment>

Rack: 1

Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0021 ppm	-0.0008 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0097 ppm
Concentration per Run 1	0.0003 ppm	0.0069 ppm	-0.0002 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0059 ppm
Concentration per Run 2	0.0001 ppm	0.0019 ppm	-0.0006 ppm	0.0010 ppm	0.0000 ppm	-0.0001 ppm	0.0142 ppm
Concentration per Run 3	0.0004 ppm	-0.0024 ppm	-0.0015 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0089 ppm
Concentration RSD	51.2 %	219.9 %	89.6 %	28.7 %	53.1 %	166.4 %	43.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0005 ppm	0.0000 ppm	0.0012 ppm	0.0279 ppm	0.0037 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0005 ppm	-0.0002 ppm	0.0007 ppm	0.0204 ppm	0.0027 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0005 ppm	-0.0003 ppm	0.0016 ppm	0.0278 ppm	0.0030 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	0.0004 ppm	0.0005 ppm	0.0012 ppm	0.0354 ppm	0.0053 ppm
Concentration RSD	9,262.9 %	21.5 %	20.6 %	52,359.6 %	38.0 %	27.1 %	39.6 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0002 ppm	0.0000 ppm	0.1110 ppm	0.0000 ppm	-0.0001 ppm	0.0007 ppm	-0.0004 ppm
Concentration per Run 1	0.0002 ppm	0.0000 ppm	0.1004 ppm	-0.0001 ppm	-0.0005 ppm	0.0007 ppm	-0.0005 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.1112 ppm	0.0002 ppm	0.0002 ppm	0.0011 ppm	-0.0005 ppm
Concentration per Run 3	0.0004 ppm	-0.0001 ppm	0.1213 ppm	-0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0002 ppm
Concentration RSD	85.3 %	188.1 %	9.4 %	1,564.8 %	494.4 %	57.5 %	37.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0175 ppm	-0.0007 ppm	0.0000 ppm	-0.0002 ppm	-0.0006 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 1	0.0176 ppm	-0.0005 ppm	0.0000 ppm	-0.0002 ppm	-0.0003 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run 2	0.0172 ppm	-0.0008 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run 3	0.0178 ppm	-0.0007 ppm	0.0000 ppm	-0.0003 ppm	-0.0008 ppm	0.0000 ppm	0.0005 ppm
Concentration RSD	1.7 %	21.1 %	141.3 %	87.2 %	46.3 %	434.4 %	14.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.1248 %	100.6716 %	102.7593 %	107.6048 %	102.4378 %	100.9607 %	0.0000 ppm
Concentration per Run 1	103.1249 %	102.5498 %	102.2897 %	112.6706 %	100.4487 %	104.3223 %	0.0001 ppm
Concentration per Run 2	98.8127 %	104.7102 %	102.9113 %	106.3756 %	103.2346 %	106.5907 %	-0.0002 ppm
Concentration per Run 3	98.4367 %	94.7547 %	103.0770 %	103.7682 %	103.6302 %	91.9691 %	0.0001 ppm
Concentration RSD	2.6 %	5.2 %	0.4 %	4.3 %	1.7 %	7.8 %	1,003.1 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2557828-01d2 WG2115665
 Analysis started at: 9/24/2025 9:20:41 PM
 Comments: <Comment>
 Rack: 1
 Vial: 44

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0057 ppm	0.0011 ppm	0.0958 ppm	0.1713 ppm	0.0000 ppm	137.5733 ppm
Concentration per Run 1	0.0002 ppm	0.0049 ppm	0.0011 ppm	0.0954 ppm	0.1676 ppm	0.0000 ppm	134.1035 ppm
Concentration per Run 2	0.0002 ppm	0.0094 ppm	0.0008 ppm	0.0960 ppm	0.1719 ppm	0.0000 ppm	139.0415 ppm
Concentration per Run 3	0.0002 ppm	0.0028 ppm	0.0014 ppm	0.0961 ppm	0.1742 ppm	0.0000 ppm	139.5749 ppm
Concentration RSD	10.2 %	58.5 %	29.1 %	0.4 %	1.9 %	400.3 %	2.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0002 ppm	0.0004 ppm	0.0004 ppm	0.0016 ppm	0.0051 ppm	12.0932 ppm	34.7546 ppm
Concentration per Run 1	0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0018 ppm	0.0044 ppm	11.8193 ppm	34.7982 ppm
Concentration per Run 2	0.0003 ppm	0.0004 ppm	0.0001 ppm	0.0016 ppm	0.0045 ppm	12.0785 ppm	34.6020 ppm
Concentration per Run 3	0.0002 ppm	0.0003 ppm	0.0008 ppm	0.0013 ppm	0.0066 ppm	12.3818 ppm	34.8637 ppm
Concentration RSD	35.8 %	12.9 %	78.9 %	15.3 %	24.2 %	2.3 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.1384 ppm	0.0017 ppm	353.6607 ppm	0.0011 ppm	0.0001 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 1	0.1350 ppm	0.0016 ppm	342.7201 ppm	0.0010 ppm	-0.0004 ppm	0.0015 ppm	-0.0004 ppm
Concentration per Run 2	0.1394 ppm	0.0019 ppm	367.5147 ppm	0.0011 ppm	0.0000 ppm	0.0009 ppm	0.0013 ppm
Concentration per Run 3	0.1409 ppm	0.0015 ppm	350.7474 ppm	0.0012 ppm	0.0006 ppm	0.0010 ppm	-0.0006 ppm
Concentration RSD	2.2 %	11.0 %	3.6 %	10.2 %	546.9 %	31.7 %	1,124.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	3.8032 ppm	-0.0001 ppm	0.9845 ppm	0.0008 ppm	-0.0025 ppm	0.0004 ppm	0.0022 ppm
Concentration per Run 1	3.7704 ppm	-0.0003 ppm	0.9649 ppm	0.0012 ppm	-0.0014 ppm	0.0005 ppm	0.0023 ppm
Concentration per Run 2	3.8065 ppm	-0.0004 ppm	0.9893 ppm	0.0007 ppm	-0.0038 ppm	0.0004 ppm	0.0022 ppm
Concentration per Run 3	3.8326 ppm	0.0004 ppm	0.9993 ppm	0.0005 ppm	-0.0023 ppm	0.0004 ppm	0.0021 ppm
Concentration RSD	0.8 %	371.1 %	1.8 %	44.5 %	48.9 %	4.5 %	4.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	92.6747 %	85.5113 %	88.0150 %	95.5275 %	72.2771 %	87.3233 %	0.0061 ppm
Concentration per Run 1	94.2093 %	85.3020 %	88.2360 %	97.7050 %	72.8144 %	87.0108 %	0.0060 ppm
Concentration per Run 2	92.1201 %	85.4076 %	87.9565 %	94.8125 %	72.2428 %	87.1802 %	0.0063 ppm
Concentration per Run 3	91.6947 %	85.8241 %	87.8523 %	94.0650 %	71.7742 %	87.7789 %	0.0060 ppm
Concentration RSD	1.5 %	0.3 %	0.2 %	2.0 %	0.7 %	0.5 %	2.7 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: eL2557836-01d5 WG2115665
 Analysis started at: 9/24/2025 9:27:22 PM
 Comments: <Comment>
 Rack: 1
 Vial: 45

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0090 ppm	0.0004 ppm	0.3184 ppm	0.0160 ppm	0.0000 ppm	34.7520 ppm
Concentration per Run 1	0.0000 ppm	0.0081 ppm	0.0004 ppm	0.3141 ppm	0.0154 ppm	-0.0001 ppm	33.9243 ppm
Concentration per Run 2	0.0001 ppm	0.0106 ppm	-0.0009 ppm	0.3198 ppm	0.0161 ppm	0.0000 ppm	35.1196 ppm
Concentration per Run 3	0.0001 ppm	0.0082 ppm	0.0017 ppm	0.3211 ppm	0.0164 ppm	0.0000 ppm	35.2121 ppm
Concentration RSD	119.2 %	15.6 %	334.5 %	1.2 %	3.3 %	29.7 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0024 ppm	0.0290 ppm	27.0329 ppm	76.9782 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0024 ppm	0.0288 ppm	26.1286 ppm	76.0480 ppm
Concentration per Run 2	0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0024 ppm	0.0297 ppm	27.1146 ppm	78.1222 ppm
Concentration per Run 3	0.0001 ppm	0.0005 ppm	0.0003 ppm	0.0023 ppm	0.0286 ppm	27.8555 ppm	76.7645 ppm
Concentration RSD	40.1 %	114.2 %	44.7 %	2.6 %	2.0 %	3.2 %	1.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0375 ppm	0.0665 ppm	551.8365 [SIC 500]	0.0005 ppm	-0.0007 ppm	0.0017 ppm	-0.0010 ppm
Concentration per Run 1	0.0363 ppm	0.0654 ppm	540.5955 ppm	0.0004 ppm	-0.0005 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run 2	0.0380 ppm	0.0670 ppm	564.3931 ppm	0.0004 ppm	-0.0010 ppm	0.0017 ppm	-0.0010 ppm
Concentration per Run 3	0.0383 ppm	0.0671 ppm	550.5210 ppm	0.0009 ppm	-0.0008 ppm	0.0019 ppm	-0.0020 ppm
Concentration RSD	2.9 %	1.5 %	2.2 %	51.8 %	31.9 %	7.8 %	95.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.9063 ppm	0.0003 ppm	0.5279 ppm	0.0009 ppm	-0.0004 ppm	0.0002 ppm	0.0106 ppm
Concentration per Run 1	0.8955 ppm	0.0001 ppm	0.5121 ppm	0.0012 ppm	0.0018 ppm	0.0004 ppm	0.0103 ppm
Concentration per Run 2	0.9105 ppm	0.0013 ppm	0.5318 ppm	0.0008 ppm	-0.0033 ppm	0.0001 ppm	0.0105 ppm
Concentration per Run 3	0.9128 ppm	-0.0004 ppm	0.5397 ppm	0.0008 ppm	0.0004 ppm	0.0000 ppm	0.0109 ppm
Concentration RSD	1.0 %	278.1 %	2.7 %	27.2 %	693.8 %	146.8 %	3.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	92.2487 %	82.4220 %	87.7765 %	95.6379 %	70.1283 %	83.9814 %	0.0127 ppm
Concentration per Run 1	93.3516 %	82.7930 %	88.4723 %	98.2181 %	71.2405 %	84.4236 %	0.0125 ppm
Concentration per Run 2	91.5411 %	82.0106 %	87.5292 %	94.7635 %	69.7251 %	83.8390 %	0.0128 ppm
Concentration per Run 3	91.8534 %	82.4623 %	87.3280 %	93.9323 %	69.4191 %	83.6817 %	0.0129 ppm
Concentration RSD	1.0 %	0.5 %	0.7 %	2.4 %	1.4 %	0.5 %	1.6 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2557836-01d10 WG2115665
 Analysis started at: 9/24/2025 9:58:51 PM
 Comments: <Comment>
 Rack: 1
 Vial: 46

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0044 ppm	0.0012 ppm	0.1586 ppm	0.0084 ppm	0.0000 ppm	18.2546 ppm
Concentration per Run 1	0.0002 ppm	0.0031 ppm	0.0015 ppm	0.1611 ppm	0.0084 ppm	0.0000 ppm	18.2440 ppm
Concentration per Run 2	0.0000 ppm	0.0031 ppm	0.0015 ppm	0.1567 ppm	0.0085 ppm	0.0000 ppm	18.1433 ppm
Concentration per Run 3	0.0001 ppm	0.0071 ppm	0.0006 ppm	0.1581 ppm	0.0083 ppm	-0.0001 ppm	18.3765 ppm
Concentration RSD	104.5 %	52.7 %	41.8 %	1.4 %	1.3 %	69.7 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0016 ppm	0.0140 ppm	14.0811 ppm	39.8813 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0016 ppm	0.0129 ppm	14.0018 ppm	39.8569 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0015 ppm	0.0145 ppm	14.2761 ppm	39.8239 ppm
Concentration per Run 3	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0015 ppm	0.0147 ppm	13.9653 ppm	39.9629 ppm
Concentration RSD	29.1 %	47.0 %	360.1 %	0.8 %	6.9 %	1.2 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0197 ppm	0.0325 ppm	308.9588 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	-0.0020 ppm
Concentration per Run 1	0.0196 ppm	0.0327 ppm	309.5450 ppm	0.0003 ppm	0.0000 ppm	-0.0005 ppm	-0.0035 ppm
Concentration per Run 2	0.0195 ppm	0.0322 ppm	313.3070 ppm	-0.0002 ppm	0.0005 ppm	0.0013 ppm	-0.0010 ppm
Concentration per Run 3	0.0200 ppm	0.0326 ppm	304.0244 ppm	-0.0001 ppm	0.0002 ppm	0.0011 ppm	-0.0015 ppm
Concentration RSD	1.4 %	0.8 %	1.5 %	3,220.1 %	93.8 %	161.7 %	67.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.4458 ppm	0.0000 ppm	0.2732 ppm	0.0007 ppm	-0.0003 ppm	0.0001 ppm	0.0052 ppm
Concentration per Run 1	0.4554 ppm	-0.0003 ppm	0.2729 ppm	0.0006 ppm	0.0003 ppm	-0.0001 ppm	0.0053 ppm
Concentration per Run 2	0.4392 ppm	0.0001 ppm	0.2740 ppm	0.0007 ppm	-0.0005 ppm	0.0002 ppm	0.0052 ppm
Concentration per Run 3	0.4430 ppm	0.0003 ppm	0.2726 ppm	0.0008 ppm	-0.0008 ppm	0.0000 ppm	0.0051 ppm
Concentration RSD	1.9 %	1,103.9 %	0.3 %	12.7 %	185.9 %	211.2 %	1.9 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	93.4809 %	87.4646 %	91.9260 %	94.5283 %	76.1811 %	89.0202 %	0.0066 ppm
Concentration per Run 1	93.4922 %	87.4782 %	91.0205 %	94.6849 %	75.2081 %	88.9191 %	0.0060 ppm
Concentration per Run 2	93.7796 %	87.5239 %	92.8105 %	94.6865 %	76.9064 %	89.0651 %	0.0071 ppm
Concentration per Run 3	93.1711 %	87.3915 %	91.9471 %	94.2136 %	76.4288 %	89.0764 %	0.0066 ppm
Concentration RSD	0.3 %	0.1 %	1.0 %	0.3 %	1.1 %	0.1 %	8.6 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: WG2114996-2 WG2114996
 Analysis started at: 9/24/2025 10:05:33 PM
 Comments: <Comment>
 Rack: 1
 Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0532 ppm	2.1318 ppm	0.1147 ppm	0.9365 ppm	2.0457 ppm	0.0523 ppm	10.7792 ppm
Concentration per Run 1	0.0534 ppm	2.1272 ppm	0.1147 ppm	0.9367 ppm	2.0344 ppm	0.0520 ppm	10.7300 ppm
Concentration per Run 2	0.0531 ppm	2.1313 ppm	0.1145 ppm	0.9379 ppm	2.0551 ppm	0.0521 ppm	10.7054 ppm
Concentration per Run 3	0.0530 ppm	2.1369 ppm	0.1150 ppm	0.9350 ppm	2.0475 ppm	0.0528 ppm	10.9021 ppm
Concentration RSD	0.4 %	0.2 %	0.2 %	0.2 %	0.5 %	0.8 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0520 ppm	0.4782 ppm	0.1998 ppm	0.2519 ppm	1.0630 ppm	11.0084 ppm	10.4496 ppm
Concentration per Run 1	0.0523 ppm	0.4791 ppm	0.2010 ppm	0.2525 ppm	1.0536 ppm	11.0511 ppm	10.5071 ppm
Concentration per Run 2	0.0519 ppm	0.4793 ppm	0.1999 ppm	0.2528 ppm	1.0615 ppm	11.1227 ppm	10.4595 ppm
Concentration per Run 3	0.0518 ppm	0.4761 ppm	0.1986 ppm	0.2504 ppm	1.0738 ppm	10.8515 ppm	10.3823 ppm
Concentration RSD	0.5 %	0.4 %	0.6 %	0.5 %	1.0 %	1.3 %	0.6 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5257 ppm	0.9555 ppm	10.7264 ppm	0.4929 ppm	0.5365 ppm	0.4783 ppm	0.1154 ppm
Concentration per Run 1	0.5223 ppm	0.9546 ppm	10.7509 ppm	0.4933 ppm	0.5397 ppm	0.4778 ppm	0.1166 ppm
Concentration per Run 2	0.5240 ppm	0.9588 ppm	10.8398 ppm	0.4938 ppm	0.5350 ppm	0.4792 ppm	0.1150 ppm
Concentration per Run 3	0.5308 ppm	0.9533 ppm	10.5884 ppm	0.4916 ppm	0.5348 ppm	0.4779 ppm	0.1147 ppm
Concentration RSD	0.9 %	0.3 %	1.2 %	0.2 %	0.5 %	0.2 %	0.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.9694 ppm	0.9729 ppm	1.0547 ppm	1.0156 ppm	0.1202 ppm	0.5081 ppm	0.4808 ppm
Concentration per Run 1	0.9744 ppm	0.9764 ppm	1.0478 ppm	1.0204 ppm	0.1214 ppm	0.5099 ppm	0.4835 ppm
Concentration per Run 2	0.9679 ppm	0.9701 ppm	1.0577 ppm	1.0169 ppm	0.1196 ppm	0.5091 ppm	0.4794 ppm
Concentration per Run 3	0.9657 ppm	0.9721 ppm	1.0587 ppm	1.0097 ppm	0.1195 ppm	0.5052 ppm	0.4794 ppm
Concentration RSD	0.5 %	0.3 %	0.6 %	0.5 %	0.9 %	0.5 %	0.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.2866 %	97.0532 %	98.8284 %	99.0337 %	94.5703 %	97.7025 %	-0.0001 ppm
Concentration per Run 1	98.2279 %	96.6859 %	99.0635 %	99.4683 %	94.6603 %	97.8458 %	0.0001 ppm
Concentration per Run 2	97.1136 %	96.7400 %	98.7615 %	99.3660 %	94.2823 %	97.1672 %	-0.0001 ppm
Concentration per Run 3	96.5184 %	97.7337 %	98.6602 %	98.2669 %	94.7684 %	98.0946 %	-0.0004 ppm
Concentration RSD	0.9 %	0.6 %	0.2 %	0.7 %	0.3 %	0.5 %	185.9 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2556676-09 WG2114996

Analysis started at: 9/24/2025 10:11:54 PM

Comments: <Comment>

Rack: 1

Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0056 ppm	-0.0003 ppm	0.0193 ppm	0.0485 ppm	0.0000 ppm	19.9513 ppm
Concentration per Run 1	0.0002 ppm	0.0035 ppm	-0.0002 ppm	0.0195 ppm	0.0492 ppm	0.0000 ppm	20.4516 ppm
Concentration per Run 2	0.0003 ppm	0.0061 ppm	-0.0005 ppm	0.0191 ppm	0.0483 ppm	0.0000 ppm	19.8917 ppm
Concentration per Run 3	0.0002 ppm	0.0073 ppm	-0.0003 ppm	0.0192 ppm	0.0481 ppm	0.0000 ppm	19.5105 ppm
Concentration RSD	13.2 %	34.4 %	53.2 %	1.0 %	1.3 %	43.6 %	2.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0013 ppm	0.0009 ppm	0.0046 ppm	3.1781 ppm	3.6306 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	0.0013 ppm	0.0009 ppm	0.0038 ppm	3.1857 ppm	3.6379 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0013 ppm	0.0009 ppm	0.0050 ppm	3.1662 ppm	3.6363 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	0.0013 ppm	0.0008 ppm	0.0050 ppm	3.1823 ppm	3.6175 ppm
Concentration RSD	12.9 %	93.8 %	3.1 %	9.1 %	15.2 %	0.3 %	0.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0007 ppm	0.0020 ppm	17.2570 ppm	0.0003 ppm	-0.0006 ppm	0.0025 ppm	-0.0008 ppm
Concentration per Run 1	0.0007 ppm	0.0022 ppm	17.2470 ppm	0.0003 ppm	-0.0008 ppm	0.0035 ppm	-0.0011 ppm
Concentration per Run 2	0.0006 ppm	0.0022 ppm	17.1774 ppm	0.0004 ppm	-0.0008 ppm	0.0022 ppm	-0.0027 ppm
Concentration per Run 3	0.0007 ppm	0.0018 ppm	17.3465 ppm	0.0003 ppm	-0.0003 ppm	0.0019 ppm	0.0015 ppm
Concentration RSD	9.9 %	12.3 %	0.5 %	9.9 %	50.9 %	32.5 %	271.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	4.4134 ppm	0.0014 ppm	0.0925 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run 1	4.4306 ppm	0.0021 ppm	0.0939 ppm	0.0005 ppm	-0.0001 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run 2	4.4082 ppm	0.0011 ppm	0.0920 ppm	0.0001 ppm	-0.0004 ppm	-0.0001 ppm	0.0006 ppm
Concentration per Run 3	4.4015 ppm	0.0009 ppm	0.0917 ppm	0.0001 ppm	0.0012 ppm	0.0002 ppm	0.0005 ppm
Concentration RSD	0.3 %	45.8 %	1.3 %	82.3 %	401.4 %	194.3 %	7.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.2256 %	97.1886 %	97.0952 %	94.4968 %	95.3301 %	97.5584 %	0.0001 ppm
Concentration per Run 1	97.8234 %	97.0413 %	97.7622 %	92.9765 %	95.2074 %	97.4300 %	-0.0003 ppm
Concentration per Run 2	96.6426 %	97.3639 %	95.9967 %	94.5042 %	95.4527 %	97.7193 %	0.0003 ppm
Concentration per Run 3	97.2107 %	97.1605 %	97.5267 %	96.0096 %	95.3302 %	97.5260 %	0.0004 ppm
Concentration RSD	0.6 %	0.2 %	1.0 %	1.6 %	0.1 %	0.2 %	322.3 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: WG2114996-3 WG2114996
 Analysis started at: 9/24/2025 10:18:28 PM
 Comments: <Comment>
 Rack: 1
 Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0537 ppm	2.2370 ppm	0.1217 ppm	1.0164 ppm	2.1408 ppm	0.0539 ppm	30.5660 ppm
Concentration per Run 1	0.0536 ppm	2.2383 ppm	0.1208 ppm	1.0167 ppm	2.1308 ppm	0.0543 ppm	30.8240 ppm
Concentration per Run 2	0.0536 ppm	2.2568 ppm	0.1221 ppm	1.0070 ppm	2.1270 ppm	0.0534 ppm	30.1079 ppm
Concentration per Run 3	0.0540 ppm	2.2157 ppm	0.1221 ppm	1.0256 ppm	2.1645 ppm	0.0539 ppm	30.7662 ppm
Concentration RSD	0.5 %	0.9 %	0.6 %	0.9 %	1.0 %	0.9 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0533 ppm	0.4885 ppm	0.1985 ppm	0.2550 ppm	1.0835 ppm	15.1208 ppm	13.9835 ppm
Concentration per Run 1	0.0532 ppm	0.4884 ppm	0.1980 ppm	0.2565 ppm	1.0911 ppm	14.9005 ppm	13.9682 ppm
Concentration per Run 2	0.0531 ppm	0.4852 ppm	0.1972 ppm	0.2551 ppm	1.0704 ppm	15.6673 ppm	13.9243 ppm
Concentration per Run 3	0.0535 ppm	0.4920 ppm	0.2003 ppm	0.2535 ppm	1.0890 ppm	14.7946 ppm	14.0581 ppm
Concentration RSD	0.3 %	0.7 %	0.8 %	0.6 %	1.0 %	3.1 %	0.5 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5351 ppm	0.9755 ppm	28.6874 ppm	0.5031 ppm	0.5422 ppm	0.5079 ppm	0.1230 ppm
Concentration per Run 1	0.5393 ppm	0.9743 ppm	28.3064 ppm	0.5037 ppm	0.5423 ppm	0.5048 ppm	0.1234 ppm
Concentration per Run 2	0.5292 ppm	0.9679 ppm	29.7279 ppm	0.4986 ppm	0.5398 ppm	0.5061 ppm	0.1218 ppm
Concentration per Run 3	0.5369 ppm	0.9843 ppm	28.0278 ppm	0.5071 ppm	0.5446 ppm	0.5128 ppm	0.1239 ppm
Concentration RSD	1.0 %	0.8 %	3.2 %	0.8 %	0.4 %	0.8 %	0.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.6712 ppm	0.9909 ppm	1.1708 ppm	1.0088 ppm	0.1216 ppm	0.5069 ppm	0.4927 ppm
Concentration per Run 1	5.6704 ppm	0.9883 ppm	1.1766 ppm	1.0087 ppm	0.1209 ppm	0.5069 ppm	0.4924 ppm
Concentration per Run 2	5.6260 ppm	0.9862 ppm	1.1734 ppm	1.0047 ppm	0.1223 ppm	0.5036 ppm	0.4919 ppm
Concentration per Run 3	5.7171 ppm	0.9980 ppm	1.1625 ppm	1.0130 ppm	0.1218 ppm	0.5102 ppm	0.4938 ppm
Concentration RSD	0.8 %	0.6 %	0.6 %	0.4 %	0.6 %	0.7 %	0.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.1583 %	95.6335 %	95.5382 %	97.1614 %	89.8537 %	96.5492 %	0.0006 ppm
Concentration per Run 1	96.3565 %	95.2799 %	95.5252 %	96.8697 %	89.6709 %	96.1559 %	0.0003 ppm
Concentration per Run 2	96.0654 %	95.8932 %	95.7920 %	97.4456 %	90.8432 %	96.8386 %	0.0003 ppm
Concentration per Run 3	96.0531 %	95.7275 %	95.2974 %	97.1689 %	89.0471 %	96.6530 %	0.0011 ppm
Concentration RSD	0.2 %	0.3 %	0.3 %	0.3 %	1.0 %	0.4 %	81.4 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: WG2114996-4 WG2114996
 Analysis started at: 9/24/2025 10:24:50 PM
 Comments: <Comment>
 Rack: 1
 Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0536 ppm	2.2483 ppm	0.1223 ppm	1.0064 ppm	2.1716 ppm	0.0543 ppm	30.9016 ppm
Concentration per Run 1	0.0536 ppm	2.2574 ppm	0.1232 ppm	1.0134 ppm	2.1675 ppm	0.0548 ppm	31.2246 ppm
Concentration per Run 2	0.0537 ppm	2.2432 ppm	0.1220 ppm	1.0067 ppm	2.1861 ppm	0.0541 ppm	30.7301 ppm
Concentration per Run 3	0.0536 ppm	2.2443 ppm	0.1216 ppm	0.9991 ppm	2.1613 ppm	0.0541 ppm	30.7501 ppm
Concentration RSD	0.1 %	0.4 %	0.7 %	0.7 %	0.6 %	0.7 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0524 ppm	0.4844 ppm	0.1978 ppm	0.2550 ppm	1.0896 ppm	15.1937 ppm	13.8851 ppm
Concentration per Run 1	0.0527 ppm	0.4871 ppm	0.1976 ppm	0.2555 ppm	1.0974 ppm	15.1404 ppm	13.9564 ppm
Concentration per Run 2	0.0527 ppm	0.4858 ppm	0.1994 ppm	0.2541 ppm	1.0871 ppm	15.2445 ppm	13.9129 ppm
Concentration per Run 3	0.0520 ppm	0.4803 ppm	0.1964 ppm	0.2553 ppm	1.0842 ppm	15.1963 ppm	13.7859 ppm
Concentration RSD	0.7 %	0.7 %	0.8 %	0.3 %	0.6 %	0.3 %	0.6 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5398 ppm	0.9639 ppm	28.9164 ppm	0.4979 ppm	0.5362 ppm	0.5047 ppm	0.1225 ppm
Concentration per Run 1	0.5449 ppm	0.9694 ppm	28.8381 ppm	0.5007 ppm	0.5394 ppm	0.5054 ppm	0.1241 ppm
Concentration per Run 2	0.5366 ppm	0.9668 ppm	29.0367 ppm	0.4992 ppm	0.5371 ppm	0.5065 ppm	0.1212 ppm
Concentration per Run 3	0.5379 ppm	0.9555 ppm	28.8744 ppm	0.4937 ppm	0.5320 ppm	0.5023 ppm	0.1221 ppm
Concentration RSD	0.8 %	0.8 %	0.4 %	0.7 %	0.7 %	0.4 %	1.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.6110 ppm	0.9784 ppm	1.1706 ppm	1.0014 ppm	0.1213 ppm	0.5054 ppm	0.4880 ppm
Concentration per Run 1	5.6503 ppm	0.9817 ppm	1.1773 ppm	1.0031 ppm	0.1229 ppm	0.5065 ppm	0.4894 ppm
Concentration per Run 2	5.6231 ppm	0.9814 ppm	1.1694 ppm	1.0056 ppm	0.1217 ppm	0.5073 ppm	0.4902 ppm
Concentration per Run 3	5.5595 ppm	0.9722 ppm	1.1650 ppm	0.9956 ppm	0.1192 ppm	0.5024 ppm	0.4842 ppm
Concentration RSD	0.8 %	0.6 %	0.5 %	0.5 %	1.6 %	0.5 %	0.7 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	95.5811 %	95.6099 %	95.9850 %	95.6452 %	90.3950 %	96.2152 %	0.0002 ppm
Concentration per Run 1	95.8297 %	95.6838 %	95.6441 %	95.0408 %	89.6045 %	96.2694 %	0.0003 ppm
Concentration per Run 2	95.4229 %	95.6243 %	96.1089 %	95.6733 %	90.1782 %	96.2205 %	-0.0004 ppm
Concentration per Run 3	95.4907 %	95.5217 %	96.2022 %	96.2215 %	91.4022 %	96.1557 %	0.0005 ppm
Concentration RSD	0.2 %	0.1 %	0.3 %	0.6 %	1.0 %	0.1 %	306.3 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: WG2114996-5 WG2114996

Analysis started at: 9/24/2025 10:31:12 PM

Comments: <Comment>

Rack: 1

Vial: 27

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0489 ppm	2.0842 ppm	0.1145 ppm	0.9705 ppm	2.0272 ppm	0.0512 ppm	29.5813 ppm
Concentration per Run 1	0.0487 ppm	2.0972 ppm	0.1149 ppm	0.9669 ppm	2.0489 ppm	0.0515 ppm	29.7921 ppm
Concentration per Run 2	0.0492 ppm	2.0802 ppm	0.1142 ppm	0.9671 ppm	1.9988 ppm	0.0511 ppm	29.4874 ppm
Concentration per Run 3	0.0487 ppm	2.0751 ppm	0.1145 ppm	0.9775 ppm	2.0338 ppm	0.0511 ppm	29.4645 ppm
Concentration RSD	0.6 %	0.6 %	0.3 %	0.6 %	1.3 %	0.5 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0511 ppm	0.4598 ppm	0.1883 ppm	0.2384 ppm	1.0286 ppm	14.2390 ppm	13.4926 ppm
Concentration per Run 1	0.0507 ppm	0.4573 ppm	0.1874 ppm	0.2404 ppm	1.0362 ppm	14.2776 ppm	13.4966 ppm
Concentration per Run 2	0.0512 ppm	0.4597 ppm	0.1883 ppm	0.2373 ppm	1.0267 ppm	14.3207 ppm	13.4787 ppm
Concentration per Run 3	0.0514 ppm	0.4622 ppm	0.1894 ppm	0.2375 ppm	1.0230 ppm	14.1186 ppm	13.5025 ppm
Concentration RSD	0.7 %	0.5 %	0.5 %	0.7 %	0.7 %	0.7 %	0.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5108 ppm	0.9333 ppm	26.6268 ppm	0.4736 ppm	0.5108 ppm	0.4576 ppm	0.1155 ppm
Concentration per Run 1	0.5139 ppm	0.9269 ppm	26.7033 ppm	0.4708 ppm	0.5093 ppm	0.4484 ppm	0.1154 ppm
Concentration per Run 2	0.5091 ppm	0.9314 ppm	26.7499 ppm	0.4731 ppm	0.5097 ppm	0.4564 ppm	0.1150 ppm
Concentration per Run 3	0.5093 ppm	0.9415 ppm	26.4271 ppm	0.4769 ppm	0.5133 ppm	0.4679 ppm	0.1162 ppm
Concentration RSD	0.5 %	0.8 %	0.7 %	0.7 %	0.4 %	2.2 %	0.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.2065 ppm	0.9706 ppm	1.1310 ppm	0.9688 ppm	0.1138 ppm	0.4802 ppm	0.4696 ppm
Concentration per Run 1	5.1882 ppm	0.9668 ppm	1.1378 ppm	0.9680 ppm	0.1118 ppm	0.4800 ppm	0.4670 ppm
Concentration per Run 2	5.1912 ppm	0.9714 ppm	1.1278 ppm	0.9686 ppm	0.1149 ppm	0.4809 ppm	0.4698 ppm
Concentration per Run 3	5.2402 ppm	0.9738 ppm	1.1274 ppm	0.9698 ppm	0.1148 ppm	0.4797 ppm	0.4720 ppm
Concentration RSD	0.6 %	0.4 %	0.5 %	0.1 %	1.6 %	0.1 %	0.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.4288 %	95.9533 %	96.7127 %	96.4289 %	91.1546 %	96.7455 %	0.0003 ppm
Concentration per Run 1	97.1642 %	95.5763 %	97.0581 %	95.9251 %	91.5188 %	96.3023 %	0.0000 ppm
Concentration per Run 2	96.3127 %	96.0745 %	97.1612 %	96.8611 %	91.6100 %	96.9153 %	0.0000 ppm
Concentration per Run 3	95.8095 %	96.2090 %	95.9189 %	96.5004 %	90.3350 %	97.0189 %	0.0009 ppm
Concentration RSD	0.7 %	0.3 %	0.7 %	0.5 %	0.8 %	0.4 %	167.9 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: WG2114996-6d5 WG2114996
 Analysis started at: 9/24/2025 10:37:29 PM
 Comments: <Comment>
 Rack: 1
 Vial: 28

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0055 ppm	0.0095 ppm	0.0000 ppm	4.0355 ppm
Concentration per Run 1	0.0000 ppm	-0.0025 ppm	0.0000 ppm	0.0056 ppm	0.0097 ppm	0.0000 ppm	4.0817 ppm
Concentration per Run 2	0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0057 ppm	0.0094 ppm	-0.0001 ppm	4.0253 ppm
Concentration per Run 3	0.0000 ppm	0.0034 ppm	0.0017 ppm	0.0053 ppm	0.0095 ppm	0.0000 ppm	3.9995 ppm
Concentration RSD	107.7 %	787.6 %	239.8 %	4.3 %	1.6 %	80.4 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0016 ppm	0.5781 ppm	0.7525 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0003 ppm	-0.0003 ppm	-0.0005 ppm	0.5882 ppm	0.7546 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0016 ppm	0.5766 ppm	0.7484 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0007 ppm	-0.0002 ppm	0.0037 ppm	0.5695 ppm	0.7544 ppm
Concentration RSD	72.9 %	170.0 %	97.6 %	67.3 %	131.7 %	1.6 %	0.5 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0004 ppm	0.0030 ppm	3.1077 ppm	0.0002 ppm	0.0002 ppm	0.0069 ppm	-0.0007 ppm
Concentration per Run 1	0.0005 ppm	0.0035 ppm	3.1363 ppm	0.0002 ppm	-0.0001 ppm	0.0079 ppm	-0.0006 ppm
Concentration per Run 2	0.0004 ppm	0.0032 ppm	3.0894 ppm	0.0004 ppm	-0.0001 ppm	0.0071 ppm	-0.0008 ppm
Concentration per Run 3	0.0005 ppm	0.0024 ppm	3.0972 ppm	0.0001 ppm	0.0007 ppm	0.0057 ppm	-0.0006 ppm
Concentration RSD	8.1 %	18.3 %	0.8 %	60.4 %	228.4 %	16.5 %	15.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.8544 ppm	0.0068 ppm	0.0183 ppm	0.0004 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 1	0.8581 ppm	0.0079 ppm	0.0185 ppm	0.0004 ppm	0.0005 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 2	0.8524 ppm	0.0069 ppm	0.0183 ppm	0.0004 ppm	0.0020 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 3	0.8525 ppm	0.0056 ppm	0.0182 ppm	0.0004 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.4 %	16.6 %	0.8 %	10.0 %	161.0 %	98.5 %	58.7 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.9233 %	100.1373 %	101.9492 %	96.7156 %	102.0364 %	101.4793 %	0.0004 ppm
Concentration per Run 1	96.7260 %	100.1073 %	101.6242 %	95.7679 %	101.5483 %	101.4229 %	0.0004 ppm
Concentration per Run 2	96.7876 %	100.0207 %	101.9666 %	96.7470 %	101.7000 %	101.3199 %	0.0002 ppm
Concentration per Run 3	97.2562 %	100.2839 %	102.2568 %	97.6319 %	102.8609 %	101.6952 %	0.0007 ppm
Concentration RSD	0.3 %	0.1 %	0.3 %	1.0 %	0.7 %	0.2 %	54.1 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: CCV
 Analysis started at: 9/24/2025 10:44:03 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4831 ppm	0.4943 ppm	0.4589 ppm	0.4674 ppm	0.4940 ppm	0.5135 ppm	0.5166 ppm
Concentration per Run 1	0.4827 ppm	0.4861 ppm	0.4645 ppm	0.4729 ppm	0.4898 ppm	0.5073 ppm	0.5060 ppm
Concentration per Run 2	0.4821 ppm	0.4963 ppm	0.4570 ppm	0.4642 ppm	0.4934 ppm	0.5156 ppm	0.5232 ppm
Concentration per Run 3	0.4846 ppm	0.5006 ppm	0.4551 ppm	0.4651 ppm	0.4990 ppm	0.5175 ppm	0.5207 ppm
Recovery Percentage 1	96.627 %	98.866 %	91.773 %	93.484 %	98.806 %	102.696 %	103.326 %
Concentration RSD	0.3 %	1.5 %	1.1 %	1.0 %	0.9 %	1.1 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4815 ppm	0.4814 ppm	0.4933 ppm	0.4870 ppm	0.5241 ppm	5.1577 ppm	0.5154 ppm
Concentration per Run 1	0.4858 ppm	0.4872 ppm	0.4910 ppm	0.4887 ppm	0.5168 ppm	5.1321 ppm	0.5129 ppm
Concentration per Run 2	0.4787 ppm	0.4785 ppm	0.4970 ppm	0.4837 ppm	0.5257 ppm	5.0994 ppm	0.5167 ppm
Concentration per Run 3	0.4800 ppm	0.4785 ppm	0.4920 ppm	0.4884 ppm	0.5299 ppm	5.2415 ppm	0.5165 ppm
Recovery Percentage 1	96.297 %	96.278 %	98.669 %	97.391 %	104.828 %	103.154 %	103.073 %
Concentration RSD	0.8 %	1.0 %	0.7 %	0.6 %	1.3 %	1.4 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5217 ppm	0.4685 ppm	9.8353 ppm	0.4908 ppm	0.4964 ppm	0.4835 ppm	0.4697 ppm
Concentration per Run 1	0.5146 ppm	0.4738 ppm	9.7912 ppm	0.4960 ppm	0.5028 ppm	0.4894 ppm	0.4762 ppm
Concentration per Run 2	0.5234 ppm	0.4656 ppm	9.7346 ppm	0.4882 ppm	0.4934 ppm	0.4807 ppm	0.4659 ppm
Concentration per Run 3	0.5270 ppm	0.4662 ppm	9.9801 ppm	0.4883 ppm	0.4930 ppm	0.4805 ppm	0.4669 ppm
Recovery Percentage 1	104.330 %	93.707 %	98.353 %	98.162 %	99.277 %	96.710 %	93.936 %
Concentration RSD	1.2 %	1.0 %	1.3 %	0.9 %	1.1 %	1.0 %	1.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.0881 ppm	0.4860 ppm	0.5133 ppm	0.4929 ppm	0.5075 ppm	0.4937 ppm	0.4841 ppm
Concentration per Run 1	5.1571 ppm	0.4924 ppm	0.5096 ppm	0.4930 ppm	0.5154 ppm	0.4941 ppm	0.4897 ppm
Concentration per Run 2	5.0562 ppm	0.4838 ppm	0.5127 ppm	0.4945 ppm	0.5022 ppm	0.4954 ppm	0.4765 ppm
Concentration per Run 3	5.0511 ppm	0.4818 ppm	0.5178 ppm	0.4913 ppm	0.5049 ppm	0.4915 ppm	0.4862 ppm
Recovery Percentage 1	96.917 %	97.198 %	102.669 %	98.581 %	101.498 %	98.732 %	96.826 %
Concentration RSD	1.2 %	1.2 %	0.8 %	0.3 %	1.4 %	0.4 %	1.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.3999 %	99.0116 %	100.7751 %	99.7327 %	97.1458 %	100.6166 %	0.4939 ppm
Concentration per Run 1	96.6089 %	98.5437 %	99.6300 %	100.8840 %	96.0651 %	100.1565 %	0.4909 ppm
Concentration per Run 2	96.2432 %	99.4177 %	101.2721 %	99.6061 %	97.5978 %	101.0173 %	0.4897 ppm
Concentration per Run 3	96.3475 %	99.0735 %	101.4230 %	98.7081 %	97.7744 %	100.6760 %	0.5011 ppm
Recovery Percentage 1							98.777 %
Concentration RSD	0.2 %	0.4 %	1.0 %	1.1 %	1.0 %	0.4 %	1.3 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: CCB
 Analysis started at: 9/24/2025 10:50:20 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0016 ppm	0.0009 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0049 ppm
Concentration per Run 1	0.0002 ppm	0.0013 ppm	0.0008 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0058 ppm
Concentration per Run 2	0.0002 ppm	-0.0035 ppm	0.0001 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run 3	0.0002 ppm	-0.0028 ppm	0.0018 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0070 ppm
Recovery Percentage 1	3.042 %	-1.633 %	17.723 %	4.229 %	0.709 %	-0.158 %	4.900 %
Concentration RSD	22.3 %	157.7 %	99.3 %	7.4 %	62.7 %	222.8 %	54.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0004 ppm	-0.0015 ppm	0.0092 ppm	0.0005 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0004 ppm	-0.0022 ppm	0.0041 ppm	0.0004 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0004 ppm	-0.0007 ppm	0.0193 ppm	0.0013 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0006 ppm	-0.0016 ppm	0.0041 ppm	-0.0003 ppm
Recovery Percentage 1	-1.367 %	-0.003 %	1.296 %	-4.495 %	-3.040 %	0.367 %	0.486 %
Concentration RSD	77.9 %	13,852.5 %	77.7 %	23.6 %	51.1 %	95.8 %	171.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0002 ppm	0.0009 ppm	0.0579 ppm	0.0002 ppm	0.0002 ppm	0.0005 ppm	-0.0004 ppm
Concentration per Run 1	0.0003 ppm	0.0011 ppm	0.0592 ppm	0.0001 ppm	0.0005 ppm	0.0009 ppm	-0.0018 ppm
Concentration per Run 2	0.0002 ppm	0.0009 ppm	0.0560 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	-0.0003 ppm
Concentration per Run 3	0.0002 ppm	0.0008 ppm	0.0586 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0009 ppm
Recovery Percentage 1	2.203 %	1.894 %	2.896 %	0.662 %	2.038 %	0.918 %	-4.120 %
Concentration RSD	28.1 %	14.7 %	2.9 %	43.7 %	126.3 %	84.7 %	326.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	-0.0003 ppm	0.0016 ppm	0.0000 ppm	0.0001 ppm	0.0009 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run 2	-0.0001 ppm	0.0016 ppm	-0.0001 ppm	-0.0001 ppm	0.0011 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run 3	-0.0007 ppm	0.0017 ppm	0.0001 ppm	0.0002 ppm	0.0011 ppm	0.0003 ppm	0.0001 ppm
Recovery Percentage 1	-0.055 %	3.230 %	0.189 %	0.531 %	4.519 %	1.793 %	-2.135 %
Concentration RSD	144.9 %	2.5 %	358.2 %	219.4 %	38.1 %	50.4 %	154.9 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.5669 %	100.7027 %	102.4048 %	97.3097 %	103.3272 %	101.3422 %	0.0002 ppm
Concentration per Run 1	96.4579 %	100.6440 %	101.7572 %	96.7108 %	103.2212 %	101.2181 %	0.0004 ppm
Concentration per Run 2	96.7359 %	100.5239 %	103.0336 %	97.9383 %	103.9059 %	101.3100 %	-0.0003 ppm
Concentration per Run 3	96.5068 %	100.9402 %	102.4236 %	97.2801 %	102.8544 %	101.4984 %	0.0004 ppm
Recovery Percentage 1							1.931 %
Concentration RSD	0.2 %	0.2 %	0.6 %	0.6 %	0.5 %	0.1 %	217.5 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2556676-02 WG2114996
 Analysis started at: 9/24/2025 11:07:15 PM
 Comments: <Comment>
 Rack: 1
 Vial: 34

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0045 ppm	0.0004 ppm	0.0136 ppm	0.0162 ppm	0.0000 ppm	25.5778 ppm
Concentration per Run 1	0.0001 ppm	0.0023 ppm	-0.0011 ppm	0.0137 ppm	0.0160 ppm	0.0000 ppm	25.0119 ppm
Concentration per Run 2	0.0002 ppm	0.0089 ppm	0.0008 ppm	0.0133 ppm	0.0163 ppm	0.0000 ppm	25.6710 ppm
Concentration per Run 3	0.0001 ppm	0.0024 ppm	0.0014 ppm	0.0138 ppm	0.0164 ppm	0.0000 ppm	26.0503 ppm
Concentration RSD	38.2 %	83.7 %	349.0 %	2.0 %	1.2 %	56.1 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0010 ppm	0.0016 ppm	1.4053 ppm	5.1703 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0012 ppm	0.0016 ppm	1.4168 ppm	5.1641 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0011 ppm	0.0004 ppm	1.3976 ppm	5.1769 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0009 ppm	0.0027 ppm	1.4014 ppm	5.1700 ppm
Concentration RSD	147.5 %	67.9 %	57.3 %	14.7 %	72.2 %	0.7 %	0.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0011 ppm	0.0002 ppm	9.3089 ppm	0.0029 ppm	0.0001 ppm	0.0008 ppm	-0.0013 ppm
Concentration per Run 1	0.0009 ppm	0.0002 ppm	9.3502 ppm	0.0027 ppm	0.0001 ppm	0.0012 ppm	-0.0018 ppm
Concentration per Run 2	0.0010 ppm	0.0004 ppm	9.2728 ppm	0.0030 ppm	-0.0001 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 3	0.0014 ppm	0.0001 ppm	9.3039 ppm	0.0029 ppm	0.0003 ppm	0.0006 ppm	-0.0022 ppm
Concentration RSD	24.0 %	42.8 %	0.4 %	6.2 %	175.2 %	47.9 %	86.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	2.1114 ppm	-0.0007 ppm	0.0652 ppm	0.0001 ppm	-0.0008 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 1	2.1176 ppm	-0.0008 ppm	0.0642 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 2	2.0735 ppm	-0.0005 ppm	0.0656 ppm	0.0003 ppm	-0.0009 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 3	2.1432 ppm	-0.0007 ppm	0.0659 ppm	0.0000 ppm	-0.0016 ppm	0.0004 ppm	0.0000 ppm
Concentration RSD	1.7 %	20.8 %	1.4 %	93.8 %	106.0 %	22.3 %	2,556.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.1526 %	96.4560 %	97.1802 %	101.5617 %	93.8231 %	98.4944 %	0.0002 ppm
Concentration per Run 1	98.7263 %	96.4565 %	97.2995 %	103.6698 %	93.8124 %	98.7338 %	0.0004 ppm
Concentration per Run 2	96.5688 %	96.4821 %	98.1227 %	101.1433 %	95.5424 %	98.4193 %	0.0001 ppm
Concentration per Run 3	96.1626 %	96.4293 %	96.1183 %	99.8721 %	92.1147 %	98.3302 %	0.0002 ppm
Concentration RSD	1.4 %	0.0 %	1.0 %	1.9 %	1.8 %	0.2 %	62.1 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2556676-03 WG2114996

Analysis started at: 9/24/2025 11:13:48 PM

Comments: <Comment>

Rack: 1

Vial: 35

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0034 ppm	-0.0006 ppm	0.0639 ppm	0.0226 ppm	-0.0001 ppm	32.9845 ppm
Concentration per Run 1	0.0005 ppm	0.0050 ppm	0.0002 ppm	0.0642 ppm	0.0224 ppm	-0.0001 ppm	32.5694 ppm
Concentration per Run 2	0.0000 ppm	0.0044 ppm	0.0000 ppm	0.0642 ppm	0.0227 ppm	0.0000 ppm	33.1714 ppm
Concentration per Run 3	0.0001 ppm	0.0007 ppm	-0.0021 ppm	0.0633 ppm	0.0226 ppm	-0.0001 ppm	33.2127 ppm
Concentration RSD	108.9 %	69.5 %	212.7 %	0.8 %	0.8 %	32.7 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0007 ppm	0.0072 ppm	1.6122 ppm	8.2170 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0003 ppm	0.0008 ppm	0.0057 ppm	1.5905 ppm	8.2532 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0006 ppm	0.0007 ppm	0.0084 ppm	1.6401 ppm	8.2025 ppm
Concentration per Run 3	0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0007 ppm	0.0074 ppm	1.6060 ppm	8.1952 ppm
Concentration RSD	78.9 %	46.9 %	34.5 %	12.2 %	19.0 %	1.6 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0033 ppm	0.0002 ppm	9.8164 ppm	0.0002 ppm	-0.0005 ppm	0.0003 ppm	-0.0013 ppm
Concentration per Run 1	0.0033 ppm	0.0003 ppm	9.7653 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 2	0.0032 ppm	0.0001 ppm	9.9122 ppm	0.0003 ppm	-0.0010 ppm	0.0009 ppm	-0.0012 ppm
Concentration per Run 3	0.0034 ppm	0.0001 ppm	9.7717 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm	-0.0022 ppm
Concentration RSD	2.9 %	67.7 %	0.8 %	78.1 %	103.0 %	145.1 %	70.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	3.8935 ppm	-0.0005 ppm	0.0968 ppm	0.0001 ppm	-0.0008 ppm	0.0004 ppm	0.0008 ppm
Concentration per Run 1	3.9335 ppm	-0.0010 ppm	0.0957 ppm	0.0000 ppm	-0.0006 ppm	0.0005 ppm	0.0009 ppm
Concentration per Run 2	3.8918 ppm	0.0001 ppm	0.0975 ppm	0.0002 ppm	-0.0013 ppm	0.0004 ppm	0.0009 ppm
Concentration per Run 3	3.8551 ppm	-0.0007 ppm	0.0972 ppm	0.0002 ppm	-0.0006 ppm	0.0004 ppm	0.0005 ppm
Concentration RSD	1.0 %	100.6 %	1.0 %	99.3 %	49.9 %	7.3 %	27.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.5784 %	96.8411 %	96.6234 %	98.0067 %	92.3639 %	98.3329 %	0.0003 ppm
Concentration per Run 1	99.8229 %	97.2739 %	95.7782 %	99.0488 %	91.3680 %	98.6586 %	0.0003 ppm
Concentration per Run 2	96.5077 %	96.7426 %	97.0059 %	97.5081 %	92.5697 %	98.2530 %	0.0003 ppm
Concentration per Run 3	96.4047 %	96.5068 %	97.0860 %	97.4632 %	93.1541 %	98.0870 %	0.0003 ppm
Concentration RSD	2.0 %	0.4 %	0.8 %	0.9 %	1.0 %	0.3 %	11.9 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2556676-04 WG2114996
 Analysis started at: 9/24/2025 11:20:22 PM
 Comments: <Comment>
 Rack: 1
 Vial: 36

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0045 ppm	0.0007 ppm	0.0129 ppm	0.0169 ppm	0.0000 ppm	26.0682 ppm
Concentration per Run 1	0.0001 ppm	0.0036 ppm	-0.0004 ppm	0.0130 ppm	0.0167 ppm	0.0000 ppm	25.9986 ppm
Concentration per Run 2	0.0000 ppm	0.0075 ppm	0.0010 ppm	0.0128 ppm	0.0169 ppm	0.0000 ppm	26.1863 ppm
Concentration per Run 3	0.0002 ppm	0.0025 ppm	0.0014 ppm	0.0129 ppm	0.0170 ppm	0.0000 ppm	26.0198 ppm
Concentration RSD	121.4 %	58.2 %	136.9 %	0.5 %	1.0 %	1,216.7 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0012 ppm	0.0011 ppm	1.4811 ppm	5.1019 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0013 ppm	0.0016 ppm	1.4383 ppm	5.0681 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0012 ppm	0.0017 ppm	1.4902 ppm	5.1119 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0012 ppm	0.0000 ppm	1.5147 ppm	5.1256 ppm
Concentration RSD	4,918.3 %	1,895.6 %	49.1 %	3.5 %	86.6 %	2.6 %	0.6 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0010 ppm	0.0000 ppm	9.8841 ppm	0.0030 ppm	0.0002 ppm	0.0003 ppm	-0.0014 ppm
Concentration per Run 1	0.0010 ppm	0.0000 ppm	9.6388 ppm	0.0030 ppm	0.0003 ppm	0.0003 ppm	-0.0011 ppm
Concentration per Run 2	0.0009 ppm	0.0000 ppm	9.9148 ppm	0.0032 ppm	0.0003 ppm	0.0005 ppm	-0.0024 ppm
Concentration per Run 3	0.0011 ppm	-0.0001 ppm	10.0989 ppm	0.0029 ppm	0.0000 ppm	0.0001 ppm	-0.0008 ppm
Concentration RSD	10.6 %	291.9 %	2.3 %	5.5 %	88.8 %	66.3 %	59.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	2.0716 ppm	-0.0007 ppm	0.0682 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 1	2.0847 ppm	-0.0011 ppm	0.0674 ppm	0.0001 ppm	0.0018 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 2	2.0688 ppm	-0.0006 ppm	0.0686 ppm	0.0003 ppm	-0.0002 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 3	2.0614 ppm	-0.0002 ppm	0.0687 ppm	0.0002 ppm	-0.0018 ppm	0.0004 ppm	0.0005 ppm
Concentration RSD	0.6 %	65.6 %	1.1 %	48.0 %	4,123.0 %	13.7 %	51.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.5163 %	96.8060 %	97.0424 %	97.3151 %	94.4183 %	98.2695 %	0.0005 ppm
Concentration per Run 1	99.5057 %	96.5835 %	96.9519 %	98.2344 %	93.9207 %	98.0623 %	0.0008 ppm
Concentration per Run 2	96.6011 %	97.0132 %	96.8859 %	96.9461 %	94.4272 %	98.6148 %	0.0002 ppm
Concentration per Run 3	96.4420 %	96.8213 %	97.2894 %	96.7648 %	94.9069 %	98.1315 %	0.0004 ppm
Concentration RSD	1.8 %	0.2 %	0.2 %	0.8 %	0.5 %	0.3 %	67.3 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2556676-10 WG2114996

Analysis started at: 9/24/2025 11:26:57 PM

Comments: <Comment>

Rack: 1

Vial: 29

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0011 ppm	0.0007 ppm	0.0069 ppm	0.0021 ppm	0.0000 ppm	8.7848 ppm
Concentration per Run 1	0.0001 ppm	-0.0018 ppm	0.0012 ppm	0.0069 ppm	0.0020 ppm	0.0000 ppm	8.6896 ppm
Concentration per Run 2	0.0002 ppm	-0.0033 ppm	0.0007 ppm	0.0069 ppm	0.0022 ppm	0.0000 ppm	8.8698 ppm
Concentration per Run 3	0.0003 ppm	0.0017 ppm	0.0001 ppm	0.0067 ppm	0.0021 ppm	0.0000 ppm	8.7951 ppm
Concentration RSD	32.0 %	226.1 %	78.3 %	1.8 %	4.4 %	48.1 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0002 ppm	-0.0005 ppm	0.0001 ppm	0.0002 ppm	0.9952 ppm	1.0437 ppm	3.4876 ppm
Concentration per Run 1	0.0001 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.9779 ppm	1.0115 ppm	3.4731 ppm
Concentration per Run 2	0.0002 ppm	-0.0006 ppm	0.0001 ppm	0.0003 ppm	1.0057 ppm	1.0375 ppm	3.4936 ppm
Concentration per Run 3	0.0002 ppm	-0.0005 ppm	0.0000 ppm	0.0003 ppm	1.0019 ppm	1.0823 ppm	3.4962 ppm
Concentration RSD	27.0 %	9.6 %	111.2 %	67.7 %	1.5 %	3.4 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0308 ppm	0.0001 ppm	6.4343 ppm	-0.0008 ppm	-0.0015 ppm	0.0012 ppm	-0.0004 ppm
Concentration per Run 1	0.0303 ppm	0.0003 ppm	6.2774 ppm	-0.0007 ppm	-0.0018 ppm	0.0010 ppm	-0.0006 ppm
Concentration per Run 2	0.0312 ppm	0.0000 ppm	6.4309 ppm	-0.0011 ppm	-0.0018 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run 3	0.0308 ppm	0.0001 ppm	6.5946 ppm	-0.0008 ppm	-0.0011 ppm	0.0014 ppm	-0.0009 ppm
Concentration RSD	1.5 %	91.2 %	2.5 %	26.4 %	25.4 %	17.4 %	138.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	12.0969 ppm	-0.0003 ppm	0.0413 ppm	0.0000 ppm	-0.0007 ppm	0.0001 ppm	0.0010 ppm
Concentration per Run 1	12.0827 ppm	-0.0001 ppm	0.0408 ppm	-0.0001 ppm	-0.0012 ppm	0.0001 ppm	0.0010 ppm
Concentration per Run 2	12.0704 ppm	-0.0002 ppm	0.0417 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0010 ppm
Concentration per Run 3	12.1376 ppm	-0.0006 ppm	0.0413 ppm	0.0000 ppm	-0.0010 ppm	0.0000 ppm	0.0011 ppm
Concentration RSD	0.3 %	102.5 %	1.0 %	51.7 %	110.5 %	145.6 %	3.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.1411 %	97.9995 %	99.5021 %	97.6055 %	97.4019 %	98.6215 %	0.0019 ppm
Concentration per Run 1	101.1985 %	98.3833 %	100.1802 %	99.2124 %	97.3492 %	98.9536 %	0.0015 ppm
Concentration per Run 2	96.9933 %	97.7574 %	98.9109 %	97.1377 %	97.8961 %	98.4705 %	0.0023 ppm
Concentration per Run 3	96.2315 %	97.8579 %	99.4152 %	96.4665 %	96.9603 %	98.4403 %	0.0019 ppm
Concentration RSD	2.7 %	0.3 %	0.6 %	1.5 %	0.5 %	0.3 %	22.0 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: WG2114996-7 WG2114996

Analysis started at: 9/24/2025 11:33:29 PM

Comments: <Comment>

Rack: 1

Vial: 30

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0532 ppm	2.1752 ppm	0.1197 ppm	0.9815 ppm	2.0815 ppm	0.0531 ppm	19.5478 ppm
Concentration per Run 1	0.0528 ppm	2.1418 ppm	0.1194 ppm	0.9851 ppm	2.0549 ppm	0.0524 ppm	19.2310 ppm
Concentration per Run 2	0.0535 ppm	2.1693 ppm	0.1205 ppm	0.9818 ppm	2.0967 ppm	0.0535 ppm	19.7191 ppm
Concentration per Run 3	0.0534 ppm	2.2143 ppm	0.1191 ppm	0.9776 ppm	2.0929 ppm	0.0535 ppm	19.6933 ppm
Concentration RSD	0.7 %	1.7 %	0.6 %	0.4 %	1.1 %	1.1 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0531 ppm	0.4814 ppm	0.1970 ppm	0.2522 ppm	2.0706 ppm	12.4597 ppm	13.8014 ppm
Concentration per Run 1	0.0531 ppm	0.4826 ppm	0.1980 ppm	0.2503 ppm	2.0315 ppm	12.2983 ppm	13.7677 ppm
Concentration per Run 2	0.0529 ppm	0.4805 ppm	0.1972 ppm	0.2522 ppm	2.0842 ppm	12.2908 ppm	13.8229 ppm
Concentration per Run 3	0.0532 ppm	0.4812 ppm	0.1958 ppm	0.2542 ppm	2.0961 ppm	12.7901 ppm	13.8135 ppm
Concentration RSD	0.3 %	0.2 %	0.6 %	0.8 %	1.7 %	2.3 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5613 ppm	0.9573 ppm	17.5509 ppm	0.4963 ppm	0.5336 ppm	0.4918 ppm	0.1204 ppm
Concentration per Run 1	0.5522 ppm	0.9570 ppm	17.2820 ppm	0.4973 ppm	0.5361 ppm	0.4903 ppm	0.1215 ppm
Concentration per Run 2	0.5652 ppm	0.9556 ppm	17.3304 ppm	0.4947 ppm	0.5332 ppm	0.4937 ppm	0.1211 ppm
Concentration per Run 3	0.5664 ppm	0.9593 ppm	18.0403 ppm	0.4968 ppm	0.5315 ppm	0.4913 ppm	0.1187 ppm
Concentration RSD	1.4 %	0.2 %	2.4 %	0.3 %	0.4 %	0.4 %	1.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	13.6183 ppm	0.9779 ppm	1.1120 ppm	1.0155 ppm	0.1217 ppm	0.5045 ppm	0.4893 ppm
Concentration per Run 1	13.6723 ppm	0.9804 ppm	1.0973 ppm	1.0163 ppm	0.1220 ppm	0.5052 ppm	0.4891 ppm
Concentration per Run 2	13.6322 ppm	0.9766 ppm	1.1159 ppm	1.0165 ppm	0.1217 ppm	0.5051 ppm	0.4870 ppm
Concentration per Run 3	13.5503 ppm	0.9767 ppm	1.1229 ppm	1.0136 ppm	0.1216 ppm	0.5034 ppm	0.4919 ppm
Concentration RSD	0.5 %	0.2 %	1.2 %	0.2 %	0.2 %	0.2 %	0.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.0019 %	96.6221 %	97.6291 %	98.4465 %	93.1896 %	98.2500 %	0.0023 ppm
Concentration per Run 1	99.0983 %	96.5336 %	97.1324 %	99.8641 %	92.7734 %	98.1075 %	0.0022 ppm
Concentration per Run 2	96.1508 %	96.7403 %	97.1254 %	98.1107 %	93.1153 %	98.3661 %	0.0027 ppm
Concentration per Run 3	95.7567 %	96.5923 %	98.6297 %	97.3647 %	93.6801 %	98.2764 %	0.0019 ppm
Concentration RSD	1.9 %	0.1 %	0.9 %	1.3 %	0.5 %	0.1 %	17.7 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: WG2114996-8 WG2114996
 Analysis started at: 9/24/2025 11:39:49 PM
 Comments: <Comment>
 Rack: 1
 Vial: 31

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0077 ppm	0.0022 ppm	0.0000 ppm	9.2274 ppm
Concentration per Run 1	0.0001 ppm	-0.0007 ppm	0.0019 ppm	0.0076 ppm	0.0023 ppm	0.0000 ppm	9.3615 ppm
Concentration per Run 2	0.0001 ppm	0.0003 ppm	-0.0008 ppm	0.0078 ppm	0.0022 ppm	0.0000 ppm	9.2277 ppm
Concentration per Run 3	0.0002 ppm	0.0004 ppm	0.0004 ppm	0.0076 ppm	0.0022 ppm	0.0000 ppm	9.0931 ppm
Concentration RSD	34.7 %	5,164.4 %	253.2 %	1.2 %	2.3 %	33,342.4 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0002 ppm	-0.0004 ppm	0.0000 ppm	-0.0002 ppm	1.0548 ppm	1.1096 ppm	3.3529 ppm
Concentration per Run 1	0.0002 ppm	-0.0004 ppm	-0.0001 ppm	0.0001 ppm	1.0667 ppm	1.1507 ppm	3.4946 ppm
Concentration per Run 2	0.0002 ppm	-0.0004 ppm	0.0000 ppm	-0.0007 ppm	1.0523 ppm	1.0843 ppm	3.1132 ppm
Concentration per Run 3	0.0001 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	1.0454 ppm	1.0937 ppm	3.4510 ppm
Concentration RSD	27.3 %	3.5 %	366.0 %	211.5 %	1.0 %	3.2 %	6.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0327 ppm	0.0025 ppm	6.7672 ppm	-0.0009 ppm	-0.0021 ppm	0.0026 ppm	-0.0003 ppm
Concentration per Run 1	0.0330 ppm	0.0029 ppm	6.9274 ppm	-0.0009 ppm	-0.0020 ppm	0.0024 ppm	-0.0020 ppm
Concentration per Run 2	0.0328 ppm	0.0026 ppm	6.6366 ppm	-0.0009 ppm	-0.0023 ppm	0.0026 ppm	0.0014 ppm
Concentration per Run 3	0.0324 ppm	0.0021 ppm	6.7375 ppm	-0.0008 ppm	-0.0019 ppm	0.0028 ppm	-0.0001 ppm
Concentration RSD	0.9 %	14.2 %	2.2 %	7.4 %	10.7 %	7.0 %	678.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	12.0788 ppm	0.0029 ppm	0.0433 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 1	11.9991 ppm	0.0032 ppm	0.0439 ppm	0.0004 ppm	0.0004 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run 2	12.1631 ppm	0.0028 ppm	0.0433 ppm	0.0003 ppm	-0.0008 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run 3	12.0743 ppm	0.0026 ppm	0.0428 ppm	0.0003 ppm	0.0006 ppm	0.0003 ppm	0.0002 ppm
Concentration RSD	0.7 %	11.1 %	1.3 %	15.1 %	1,456.5 %	16.3 %	36.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.8042 %	102.8648 %	99.3913 %	93.5637 %	98.2397 %	104.6308 %	0.0023 ppm
Concentration per Run 1	97.6336 %	98.8025 %	99.3450 %	92.4186 %	98.9961 %	98.7977 %	0.0026 ppm
Concentration per Run 2	96.3866 %	109.6371 %	98.8271 %	93.7112 %	97.3090 %	110.8980 %	0.0019 ppm
Concentration per Run 3	96.3924 %	100.1548 %	100.0019 %	94.5614 %	98.4140 %	104.1968 %	0.0025 ppm
Concentration RSD	0.7 %	5.7 %	0.6 %	1.2 %	0.9 %	5.8 %	16.8 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: WG2114996-9 WG2114996
 Analysis started at: 9/24/2025 11:46:22 PM
 Comments: <Comment>
 Rack: 1
 Vial: 32

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0489 ppm	2.0064 ppm	0.1109 ppm	0.9387 ppm	1.9458 ppm	0.0497 ppm	18.3984 ppm
Concentration per Run 1	0.0488 ppm	1.9941 ppm	0.1100 ppm	0.9399 ppm	1.9288 ppm	0.0494 ppm	18.3219 ppm
Concentration per Run 2	0.0489 ppm	1.9993 ppm	0.1112 ppm	0.9374 ppm	1.9358 ppm	0.0499 ppm	18.4756 ppm
Concentration per Run 3	0.0489 ppm	2.0259 ppm	0.1115 ppm	0.9388 ppm	1.9728 ppm	0.0498 ppm	18.3977 ppm
Concentration RSD	0.1 %	0.8 %	0.7 %	0.1 %	1.2 %	0.6 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0510 ppm	0.4556 ppm	0.1876 ppm	0.2388 ppm	1.9373 ppm	11.6772 ppm	13.4387 ppm
Concentration per Run 1	0.0510 ppm	0.4575 ppm	0.1862 ppm	0.2366 ppm	1.9169 ppm	11.5734 ppm	13.3333 ppm
Concentration per Run 2	0.0510 ppm	0.4540 ppm	0.1889 ppm	0.2397 ppm	1.9417 ppm	11.5770 ppm	13.5097 ppm
Concentration per Run 3	0.0512 ppm	0.4552 ppm	0.1878 ppm	0.2401 ppm	1.9534 ppm	11.8813 ppm	13.4731 ppm
Concentration RSD	0.2 %	0.4 %	0.7 %	0.8 %	1.0 %	1.5 %	0.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5231 ppm	0.9198 ppm	16.3998 ppm	0.4708 ppm	0.5037 ppm	0.4450 ppm	0.1128 ppm
Concentration per Run 1	0.5196 ppm	0.9193 ppm	16.2680 ppm	0.4719 ppm	0.5047 ppm	0.4366 ppm	0.1137 ppm
Concentration per Run 2	0.5253 ppm	0.9180 ppm	16.2556 ppm	0.4703 ppm	0.5028 ppm	0.4455 ppm	0.1116 ppm
Concentration per Run 3	0.5244 ppm	0.9220 ppm	16.6758 ppm	0.4701 ppm	0.5036 ppm	0.4530 ppm	0.1130 ppm
Concentration RSD	0.6 %	0.2 %	1.5 %	0.2 %	0.2 %	1.8 %	0.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	12.8341 ppm	0.9593 ppm	1.0609 ppm	0.9738 ppm	0.1135 ppm	0.4804 ppm	0.4665 ppm
Concentration per Run 1	12.8711 ppm	0.9614 ppm	1.0550 ppm	0.9674 ppm	0.1147 ppm	0.4780 ppm	0.4658 ppm
Concentration per Run 2	12.8086 ppm	0.9574 ppm	1.0591 ppm	0.9782 ppm	0.1123 ppm	0.4830 ppm	0.4658 ppm
Concentration per Run 3	12.8225 ppm	0.9590 ppm	1.0686 ppm	0.9757 ppm	0.1136 ppm	0.4801 ppm	0.4678 ppm
Concentration RSD	0.3 %	0.2 %	0.7 %	0.6 %	1.0 %	0.5 %	0.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.6113 %	95.9906 %	97.8324 %	98.6840 %	92.7477 %	96.5554 %	0.0019 ppm
Concentration per Run 1	98.0264 %	96.6636 %	97.7476 %	99.0057 %	92.4750 %	97.3252 %	0.0028 ppm
Concentration per Run 2	95.9705 %	95.9250 %	97.9334 %	98.7746 %	92.9829 %	96.6083 %	0.0013 ppm
Concentration per Run 3	95.8370 %	95.3833 %	97.8162 %	98.2718 %	92.7850 %	95.7326 %	0.0016 ppm
Concentration RSD	1.3 %	0.7 %	0.1 %	0.4 %	0.3 %	0.8 %	40.9 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: WG2114996-10d5 WG2114996
 Analysis started at: 9/24/2025 11:52:40 PM
 Comments: <Comment>
 Rack: 1
 Vial: 33

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0025 ppm	0.0011 ppm	0.0023 ppm	0.0004 ppm	0.0000 ppm	1.7562 ppm
Concentration per Run 1	0.0002 ppm	0.0033 ppm	0.0022 ppm	0.0023 ppm	0.0004 ppm	0.0000 ppm	1.7222 ppm
Concentration per Run 2	0.0000 ppm	0.0009 ppm	-0.0001 ppm	0.0024 ppm	0.0003 ppm	0.0000 ppm	1.7666 ppm
Concentration per Run 3	0.0001 ppm	0.0034 ppm	0.0011 ppm	0.0023 ppm	0.0005 ppm	0.0000 ppm	1.7799 ppm
Concentration RSD	138.6 %	56.2 %	109.9 %	2.0 %	24.8 %	211.2 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.2029 ppm	0.2002 ppm	0.7147 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	-0.0001 ppm	0.2006 ppm	0.2032 ppm	0.7102 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0005 ppm	0.2012 ppm	0.2096 ppm	0.7154 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.2070 ppm	0.1878 ppm	0.7183 ppm
Concentration RSD	28.0 %	39.0 %	150.1 %	57.4 %	1.7 %	5.6 %	0.6 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0064 ppm	0.0026 ppm	1.2280 ppm	0.0000 ppm	0.0002 ppm	0.0066 ppm	-0.0013 ppm
Concentration per Run 1	0.0063 ppm	0.0030 ppm	1.2260 ppm	-0.0001 ppm	0.0001 ppm	0.0071 ppm	-0.0022 ppm
Concentration per Run 2	0.0062 ppm	0.0026 ppm	1.2334 ppm	0.0000 ppm	0.0002 ppm	0.0061 ppm	0.0000 ppm
Concentration per Run 3	0.0067 ppm	0.0021 ppm	1.2244 ppm	0.0001 ppm	0.0004 ppm	0.0066 ppm	-0.0018 ppm
Concentration RSD	4.1 %	16.2 %	0.4 %	432.2 %	53.2 %	7.7 %	86.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	2.3218 ppm	0.0047 ppm	0.0081 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 1	2.3136 ppm	0.0053 ppm	0.0081 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run 2	2.3410 ppm	0.0048 ppm	0.0081 ppm	0.0002 ppm	-0.0005 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 3	2.3108 ppm	0.0040 ppm	0.0082 ppm	0.0003 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm
Concentration RSD	0.7 %	14.4 %	1.0 %	65.9 %	1,365.2 %	26.6 %	58.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.5233 %	100.6887 %	102.1049 %	98.5825 %	103.0853 %	101.9117 %	0.0006 ppm
Concentration per Run 1	96.9324 %	100.4211 %	103.5897 %	99.1210 %	103.4817 %	101.4493 %	0.0003 ppm
Concentration per Run 2	96.4763 %	100.7489 %	100.9250 %	98.4689 %	102.2402 %	102.0272 %	0.0010 ppm
Concentration per Run 3	96.1613 %	100.8961 %	101.8001 %	98.1577 %	103.5340 %	102.2585 %	0.0004 ppm
Concentration RSD	0.4 %	0.2 %	1.3 %	0.5 %	0.7 %	0.4 %	72.0 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2556676-05 WG2114996
 Analysis started at: 9/24/2025 11:59:15 PM
 Comments: <Comment>
 Rack: 1
 Vial: 37

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0044 ppm	-0.0002 ppm	0.0161 ppm	0.0179 ppm	0.0000 ppm	30.5110 ppm
Concentration per Run 1	0.0000 ppm	0.0059 ppm	-0.0007 ppm	0.0161 ppm	0.0178 ppm	0.0000 ppm	30.5963 ppm
Concentration per Run 2	0.0001 ppm	0.0036 ppm	0.0007 ppm	0.0160 ppm	0.0179 ppm	0.0000 ppm	30.6025 ppm
Concentration per Run 3	0.0001 ppm	0.0039 ppm	-0.0006 ppm	0.0163 ppm	0.0178 ppm	0.0000 ppm	30.3342 ppm
Concentration RSD	66.9 %	27.9 %	369.2 %	1.0 %	0.4 %	3,579.4 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0010 ppm	-0.0009 ppm	2.1883 ppm	6.3306 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0010 ppm	-0.0005 ppm	2.2045 ppm	6.3466 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0009 ppm	-0.0009 ppm	2.2063 ppm	6.3151 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0010 ppm	-0.0013 ppm	2.1541 ppm	6.3301 ppm
Concentration RSD	421.5 %	84.1 %	151.0 %	5.7 %	47.8 %	1.4 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0104 ppm	0.0016 ppm	12.1953 ppm	0.0000 ppm	0.0005 ppm	0.0012 ppm	-0.0018 ppm
Concentration per Run 1	0.0101 ppm	0.0015 ppm	12.2501 ppm	0.0000 ppm	0.0007 ppm	0.0010 ppm	-0.0006 ppm
Concentration per Run 2	0.0105 ppm	0.0016 ppm	12.2159 ppm	0.0003 ppm	0.0006 ppm	0.0011 ppm	-0.0028 ppm
Concentration per Run 3	0.0105 ppm	0.0015 ppm	12.1199 ppm	-0.0002 ppm	0.0003 ppm	0.0015 ppm	-0.0022 ppm
Concentration RSD	2.0 %	3.4 %	0.6 %	4,292.7 %	43.8 %	20.0 %	61.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	1.4465 ppm	0.0002 ppm	0.0869 ppm	0.0002 ppm	-0.0002 ppm	0.0005 ppm	0.0007 ppm
Concentration per Run 1	1.4477 ppm	-0.0001 ppm	0.0871 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0007 ppm
Concentration per Run 2	1.4400 ppm	0.0003 ppm	0.0870 ppm	0.0002 ppm	0.0001 ppm	0.0007 ppm	0.0008 ppm
Concentration per Run 3	1.4519 ppm	0.0004 ppm	0.0867 ppm	0.0003 ppm	-0.0008 ppm	0.0005 ppm	0.0007 ppm
Concentration RSD	0.4 %	116.7 %	0.2 %	41.8 %	261.3 %	24.6 %	6.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.1367 %	96.3160 %	96.8765 %	96.7156 %	93.8078 %	97.7659 %	0.0000 ppm
Concentration per Run 1	98.1779 %	96.5498 %	96.8952 %	96.2666 %	94.0219 %	97.9254 %	0.0003 ppm
Concentration per Run 2	96.6301 %	95.9988 %	97.1331 %	96.7960 %	94.3099 %	97.4779 %	0.0002 ppm
Concentration per Run 3	96.6020 %	96.3994 %	96.6013 %	97.0843 %	93.0915 %	97.8943 %	-0.0003 ppm
Concentration RSD	0.9 %	0.3 %	0.3 %	0.4 %	0.7 %	0.3 %	994.8 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2556676-06 WG2114996
 Analysis started at: 9/25/2025 12:05:48 AM
 Comments: <Comment>
 Rack: 1
 Vial: 38

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0047 ppm	0.0011 ppm	0.0225 ppm	0.0199 ppm	0.0000 ppm	22.4461 ppm
Concentration per Run 1	0.0007 ppm	0.0047 ppm	0.0009 ppm	0.0224 ppm	0.0196 ppm	0.0000 ppm	22.0078 ppm
Concentration per Run 2	0.0000 ppm	0.0043 ppm	0.0019 ppm	0.0226 ppm	0.0200 ppm	-0.0001 ppm	22.8572 ppm
Concentration per Run 3	0.0004 ppm	0.0051 ppm	0.0005 ppm	0.0225 ppm	0.0202 ppm	0.0000 ppm	22.4733 ppm
Concentration RSD	98.3 %	8.8 %	61.6 %	0.4 %	1.7 %	118.3 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0023 ppm	1.0376 ppm	5.9553 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0022 ppm	1.0398 ppm	5.9572 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0037 ppm	1.0177 ppm	5.9403 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0009 ppm	1.0553 ppm	5.9685 ppm
Concentration RSD	106.1 %	465.2 %	269.3 %	8.1 %	59.7 %	1.8 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0032 ppm	0.0005 ppm	11.3777 ppm	0.0011 ppm	0.0000 ppm	0.0009 ppm	-0.0009 ppm
Concentration per Run 1	0.0032 ppm	0.0004 ppm	11.2874 ppm	0.0010 ppm	-0.0002 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run 2	0.0034 ppm	0.0005 ppm	11.2086 ppm	0.0012 ppm	-0.0003 ppm	0.0015 ppm	-0.0017 ppm
Concentration per Run 3	0.0031 ppm	0.0005 ppm	11.6370 ppm	0.0011 ppm	0.0004 ppm	-0.0004 ppm	-0.0012 ppm
Concentration RSD	4.5 %	16.1 %	2.0 %	8.0 %	1,090.6 %	123.7 %	113.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	1.9262 ppm	-0.0005 ppm	0.0523 ppm	0.0002 ppm	-0.0006 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 1	1.9226 ppm	-0.0008 ppm	0.0515 ppm	0.0002 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 2	1.9223 ppm	0.0000 ppm	0.0525 ppm	0.0002 ppm	-0.0006 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 3	1.9338 ppm	-0.0007 ppm	0.0530 ppm	0.0002 ppm	-0.0021 ppm	0.0004 ppm	-0.0001 ppm
Concentration RSD	0.3 %	81.5 %	1.5 %	13.6 %	250.6 %	22.5 %	883.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.6294 %	97.0457 %	97.7845 %	97.1001 %	95.2219 %	96.9130 %	0.0003 ppm
Concentration per Run 1	100.4384 %	97.2918 %	97.7055 %	98.7323 %	95.1953 %	97.1547 %	0.0003 ppm
Concentration per Run 2	96.0249 %	97.0343 %	97.6846 %	95.9084 %	95.4111 %	96.8312 %	-0.0002 ppm
Concentration per Run 3	96.4249 %	96.8109 %	97.9635 %	96.6595 %	95.0593 %	96.7532 %	0.0007 ppm
Concentration RSD	2.5 %	0.2 %	0.2 %	1.5 %	0.2 %	0.2 %	170.2 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: CCV
 Analysis started at: 9/25/2025 12:12:20 AM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4869 ppm	0.4803 ppm	0.4584 ppm	0.4674 ppm	0.4805 ppm	0.4991 ppm	0.4975 ppm
Concentration per Run 1	0.4873 ppm	0.4634 ppm	0.4555 ppm	0.4655 ppm	0.4607 ppm	0.4789 ppm	0.4791 ppm
Concentration per Run 2	0.4797 ppm	0.4832 ppm	0.4561 ppm	0.4646 ppm	0.4866 ppm	0.5049 ppm	0.5010 ppm
Concentration per Run 3	0.4936 ppm	0.4942 ppm	0.4636 ppm	0.4720 ppm	0.4942 ppm	0.5135 ppm	0.5124 ppm
Recovery Percentage 1	97.373 %	96.057 %	91.681 %	93.479 %	96.097 %	99.823 %	99.500 %
Concentration RSD	1.4 %	3.2 %	1.0 %	0.9 %	3.7 %	3.6 %	3.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4852 ppm	0.4841 ppm	0.4937 ppm	0.4953 ppm	0.5078 ppm	4.9541 ppm	0.5183 ppm
Concentration per Run 1	0.4853 ppm	0.4839 ppm	0.4896 ppm	0.5006 ppm	0.4860 ppm	4.7263 ppm	0.5204 ppm
Concentration per Run 2	0.4821 ppm	0.4810 ppm	0.4920 ppm	0.4846 ppm	0.5153 ppm	4.9788 ppm	0.5104 ppm
Concentration per Run 3	0.4882 ppm	0.4874 ppm	0.4996 ppm	0.5007 ppm	0.5220 ppm	5.1573 ppm	0.5242 ppm
Recovery Percentage 1	97.037 %	96.820 %	98.745 %	99.061 %	101.553 %	99.083 %	103.664 %
Concentration RSD	0.6 %	0.7 %	1.1 %	1.9 %	3.8 %	4.4 %	1.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5058 ppm	0.4733 ppm	9.4382 ppm	0.4940 ppm	0.4985 ppm	0.4839 ppm	0.4676 ppm
Concentration per Run 1	0.4865 ppm	0.4728 ppm	9.0324 ppm	0.4943 ppm	0.4971 ppm	0.4839 ppm	0.4662 ppm
Concentration per Run 2	0.5121 ppm	0.4707 ppm	9.4772 ppm	0.4911 ppm	0.4968 ppm	0.4822 ppm	0.4677 ppm
Concentration per Run 3	0.5187 ppm	0.4765 ppm	9.8051 ppm	0.4966 ppm	0.5015 ppm	0.4855 ppm	0.4689 ppm
Recovery Percentage 1	101.152 %	94.666 %	94.382 %	98.804 %	99.698 %	96.775 %	93.518 %
Concentration RSD	3.4 %	0.6 %	4.1 %	0.6 %	0.5 %	0.3 %	0.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.1325 ppm	0.4872 ppm	0.5005 ppm	0.4956 ppm	0.5098 ppm	0.4968 ppm	0.4847 ppm
Concentration per Run 1	5.1403 ppm	0.4849 ppm	0.4806 ppm	0.4952 ppm	0.5111 ppm	0.4954 ppm	0.4839 ppm
Concentration per Run 2	5.1031 ppm	0.4854 ppm	0.5066 ppm	0.4906 ppm	0.5072 ppm	0.4928 ppm	0.4784 ppm
Concentration per Run 3	5.1540 ppm	0.4913 ppm	0.5143 ppm	0.5010 ppm	0.5113 ppm	0.5023 ppm	0.4917 ppm
Recovery Percentage 1	97.761 %	97.444 %	100.102 %	99.118 %	101.969 %	99.370 %	96.933 %
Concentration RSD	0.5 %	0.7 %	3.5 %	1.0 %	0.5 %	1.0 %	1.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.4653 %	98.1672 %	100.5691 %	102.5821 %	96.3399 %	103.8920 %	0.4786 ppm
Concentration per Run 1	98.9845 %	97.4716 %	100.5246 %	106.3855 %	96.3189 %	94.8761 %	0.4580 ppm
Concentration per Run 2	96.5783 %	99.6034 %	101.0430 %	101.3724 %	96.6758 %	99.5508 %	0.4809 ppm
Concentration per Run 3	96.8330 %	97.4265 %	100.1396 %	99.9884 %	96.0250 %	117.2489 %	0.4968 ppm
Recovery Percentage 1							95.717 %
Concentration RSD	1.4 %	1.3 %	0.5 %	3.3 %	0.3 %	11.4 %	4.1 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: CCB
 Analysis started at: 9/25/2025 12:18:41 AM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0051 ppm	0.0007 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0036 ppm
Concentration per Run 1	0.0003 ppm	0.0048 ppm	0.0003 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0043 ppm
Concentration per Run 2	0.0003 ppm	0.0059 ppm	0.0005 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run 3	0.0001 ppm	0.0046 ppm	0.0014 ppm	0.0003 ppm	0.0001 ppm	-0.0001 ppm	0.0072 ppm
Recovery Percentage 1	3.311 %	5.080 %	14.116 %	1.263 %	0.128 %	-0.804 %	3.564 %
Concentration RSD	62.8 %	13.6 %	82.4 %	24.4 %	566.1 %	73.6 %	114.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0006 ppm	-0.0016 ppm	0.0036 ppm	0.0004 ppm
Concentration per Run 1	-0.0001 ppm	-0.0002 ppm	0.0000 ppm	-0.0005 ppm	-0.0018 ppm	-0.0037 ppm	-0.0008 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0006 ppm	-0.0008 ppm	0.0069 ppm	0.0019 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0006 ppm	-0.0022 ppm	0.0077 ppm	0.0002 ppm
Recovery Percentage 1	-1.668 %	-0.249 %	0.087 %	-5.666 %	-3.137 %	0.146 %	0.443 %
Concentration RSD	40.0 %	226.8 %	1,330.0 %	12.4 %	46.1 %	174.0 %	305.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0003 ppm	0.0006 ppm	0.0239 ppm	0.0002 ppm	0.0005 ppm	0.0006 ppm	-0.0005 ppm
Concentration per Run 1	0.0002 ppm	0.0008 ppm	0.0224 ppm	0.0001 ppm	0.0006 ppm	0.0005 ppm	-0.0010 ppm
Concentration per Run 2	0.0004 ppm	0.0006 ppm	0.0268 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 3	0.0003 ppm	0.0006 ppm	0.0226 ppm	0.0003 ppm	0.0008 ppm	0.0009 ppm	-0.0007 ppm
Recovery Percentage 1	2.678 %	1.271 %	1.197 %	0.654 %	4.716 %	1.239 %	-5.088 %
Concentration RSD	39.6 %	17.9 %	10.4 %	85.7 %	86.9 %	43.6 %	116.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0001 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run 1	0.0002 ppm	0.0009 ppm	-0.0001 ppm	0.0002 ppm	-0.0007 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run 2	-0.0002 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run 3	0.0002 ppm	0.0010 ppm	0.0000 ppm	-0.0001 ppm	0.0011 ppm	0.0001 ppm	-0.0001 ppm
Recovery Percentage 1	0.010 %	1.823 %	-0.068 %	0.687 %	1.340 %	2.009 %	-3.006 %
Concentration RSD	467.9 %	4.8 %	1,528.9 %	242.1 %	325.3 %	84.9 %	32.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.5133 %	100.5870 %	102.2535 %	100.7001 %	102.9174 %	101.9578 %	-0.0002 ppm
Concentration per Run 1	99.2710 %	98.9717 %	102.3592 %	103.3150 %	103.3987 %	100.9036 %	0.0000 ppm
Concentration per Run 2	96.9660 %	101.5271 %	102.0297 %	100.3171 %	102.9867 %	102.6311 %	-0.0003 ppm
Concentration per Run 3	96.3029 %	101.2623 %	102.3717 %	98.4681 %	102.3669 %	102.3386 %	-0.0001 ppm
Recovery Percentage 1							-1.694 %
Concentration RSD	1.6 %	1.4 %	0.2 %	2.4 %	0.5 %	0.9 %	90.2 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2556676-07 WG2114996

Analysis started at: 9/25/2025 12:25:19 AM

Comments: <Comment>

Rack: 1

Vial: 39

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0009 ppm	0.0007 ppm	0.0164 ppm	0.0228 ppm	0.0000 ppm	28.0165 ppm
Concentration per Run 1	-0.0002 ppm	0.0019 ppm	0.0000 ppm	0.0163 ppm	0.0223 ppm	0.0000 ppm	27.6542 ppm
Concentration per Run 2	0.0002 ppm	-0.0013 ppm	0.0002 ppm	0.0170 ppm	0.0233 ppm	0.0000 ppm	28.5619 ppm
Concentration per Run 3	0.0000 ppm	0.0020 ppm	0.0017 ppm	0.0158 ppm	0.0227 ppm	0.0000 ppm	27.8333 ppm
Concentration RSD	1,539.8 %	212.6 %	137.9 %	3.6 %	2.3 %	2,060.7 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0009 ppm	0.0005 ppm	0.0161 ppm	2.0902 ppm	5.1099 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0010 ppm	0.0003 ppm	0.0145 ppm	2.0178 ppm	5.0937 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0010 ppm	0.0005 ppm	0.0175 ppm	2.1595 ppm	5.1090 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0008 ppm	0.0006 ppm	0.0161 ppm	2.0934 ppm	5.1269 ppm
Concentration RSD	1,217.9 %	130.1 %	12.6 %	29.0 %	9.6 %	3.4 %	0.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0018 ppm	0.0006 ppm	10.0586 ppm	0.0030 ppm	0.0001 ppm	0.0009 ppm	-0.0019 ppm
Concentration per Run 1	0.0018 ppm	0.0008 ppm	9.6723 ppm	0.0029 ppm	0.0001 ppm	0.0012 ppm	-0.0009 ppm
Concentration per Run 2	0.0020 ppm	0.0005 ppm	10.4190 ppm	0.0032 ppm	0.0000 ppm	0.0011 ppm	-0.0032 ppm
Concentration per Run 3	0.0017 ppm	0.0004 ppm	10.0844 ppm	0.0029 ppm	0.0003 ppm	0.0004 ppm	-0.0015 ppm
Concentration RSD	7.1 %	36.3 %	3.7 %	5.8 %	113.0 %	47.2 %	64.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	2.2115 ppm	-0.0006 ppm	0.0770 ppm	0.0002 ppm	-0.0007 ppm	0.0006 ppm	0.0010 ppm
Concentration per Run 1	2.2207 ppm	-0.0012 ppm	0.0754 ppm	0.0001 ppm	-0.0013 ppm	0.0006 ppm	0.0009 ppm
Concentration per Run 2	2.2644 ppm	-0.0005 ppm	0.0787 ppm	0.0004 ppm	-0.0010 ppm	0.0008 ppm	0.0010 ppm
Concentration per Run 3	2.1494 ppm	0.0000 ppm	0.0770 ppm	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0010 ppm
Concentration RSD	2.6 %	106.6 %	2.2 %	108.0 %	101.0 %	27.3 %	3.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.6050 %	97.7848 %	98.6188 %	96.0145 %	95.0290 %	99.0647 %	0.0003 ppm
Concentration per Run 1	99.8537 %	98.1043 %	97.7013 %	97.6243 %	94.5235 %	99.2978 %	0.0003 ppm
Concentration per Run 2	94.3388 %	97.9301 %	97.6060 %	94.4053 %	93.0112 %	99.2636 %	0.0006 ppm
Concentration per Run 3	95.6225 %	97.3201 %	100.5491 %	96.0138 %	97.5524 %	98.6326 %	0.0001 ppm
Concentration RSD	3.0 %	0.4 %	1.7 %	1.7 %	2.4 %	0.4 %	79.6 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2556676-08 WG2114996
 Analysis started at: 9/25/2025 12:31:50 AM
 Comments: <Comment>
 Rack: 1
 Vial: 40

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0003 ppm	-0.0007 ppm	0.0164 ppm	0.0439 ppm	0.0000 ppm	27.8685 ppm
Concentration per Run 1	-0.0001 ppm	-0.0046 ppm	0.0000 ppm	0.0162 ppm	0.0439 ppm	-0.0001 ppm	27.8334 ppm
Concentration per Run 2	0.0003 ppm	0.0046 ppm	0.0002 ppm	0.0166 ppm	0.0440 ppm	0.0000 ppm	27.9789 ppm
Concentration per Run 3	0.0001 ppm	-0.0009 ppm	-0.0022 ppm	0.0163 ppm	0.0439 ppm	0.0000 ppm	27.7931 ppm
Concentration RSD	233.6 %	1,369.7 %	205.3 %	1.3 %	0.1 %	3,358.0 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0043 ppm	1.0524 ppm	5.9006 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0055 ppm	1.0603 ppm	5.9172 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0023 ppm	1.0417 ppm	5.8953 ppm
Concentration per Run 3	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0049 ppm	1.0553 ppm	5.8893 ppm
Concentration RSD	74.1 %	28.7 %	62.4 %	28.3 %	40.0 %	0.9 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0012 ppm	0.0001 ppm	9.9398 ppm	-0.0002 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm
Concentration per Run 1	0.0013 ppm	0.0000 ppm	10.0377 ppm	-0.0001 ppm	-0.0005 ppm	0.0003 ppm	-0.0010 ppm
Concentration per Run 2	0.0013 ppm	0.0002 ppm	9.7565 ppm	-0.0004 ppm	0.0003 ppm	-0.0002 ppm	0.0007 ppm
Concentration per Run 3	0.0010 ppm	0.0000 ppm	10.0253 ppm	0.0000 ppm	0.0005 ppm	0.0005 ppm	-0.0006 ppm
Concentration RSD	16.0 %	105.8 %	1.6 %	97.4 %	452.4 %	189.1 %	302.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	3.0532 ppm	-0.0007 ppm	0.0887 ppm	0.0002 ppm	0.0010 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 1	3.0579 ppm	-0.0004 ppm	0.0889 ppm	0.0003 ppm	0.0018 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 2	3.0664 ppm	-0.0009 ppm	0.0884 ppm	0.0004 ppm	0.0009 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 3	3.0353 ppm	-0.0008 ppm	0.0889 ppm	-0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0003 ppm
Concentration RSD	0.5 %	37.1 %	0.3 %	116.6 %	78.0 %	22.6 %	55.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.8452 %	97.7400 %	97.8656 %	96.9033 %	94.3993 %	99.2135 %	0.0003 ppm
Concentration per Run 1	98.4440 %	97.3462 %	97.5763 %	96.9358 %	94.5194 %	98.4844 %	0.0009 ppm
Concentration per Run 2	96.2854 %	98.1343 %	97.1355 %	97.1688 %	93.8223 %	99.6672 %	-0.0002 ppm
Concentration per Run 3	95.8061 %	97.7394 %	98.8851 %	96.6052 %	94.8563 %	99.4890 %	0.0001 ppm
Concentration RSD	1.5 %	0.4 %	0.9 %	0.3 %	0.6 %	0.6 %	238.1 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2556676-11 WG2114996
 Analysis started at: 9/25/2025 12:38:23 AM
 Comments: <Comment>
 Rack: 1
 Vial: 41

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0080 ppm	0.0008 ppm	0.0161 ppm	0.0408 ppm	0.0000 ppm	13.5019 ppm
Concentration per Run 1	0.0001 ppm	0.0120 ppm	0.0007 ppm	0.0164 ppm	0.0407 ppm	0.0000 ppm	13.6719 ppm
Concentration per Run 2	0.0000 ppm	0.0069 ppm	0.0011 ppm	0.0160 ppm	0.0410 ppm	0.0000 ppm	13.4110 ppm
Concentration per Run 3	-0.0001 ppm	0.0050 ppm	0.0005 ppm	0.0160 ppm	0.0406 ppm	0.0000 ppm	13.4226 ppm
Concentration RSD	513.6 %	46.1 %	39.8 %	1.2 %	0.6 %	840.0 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0004 ppm	0.0006 ppm	0.0005 ppm	2.3990 ppm	4.1061 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0006 ppm	0.0006 ppm	0.0011 ppm	2.3693 ppm	4.1045 ppm
Concentration per Run 2	0.0000 ppm	-0.0004 ppm	0.0001 ppm	0.0004 ppm	-0.0008 ppm	2.4626 ppm	4.0940 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	0.0006 ppm	0.0007 ppm	0.0012 ppm	2.3652 ppm	4.1197 ppm
Concentration RSD	43.6 %	37.4 %	66.1 %	24.7 %	236.2 %	2.3 %	0.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0029 ppm	-0.0001 ppm	13.1165 ppm	-0.0004 ppm	-0.0009 ppm	0.0003 ppm	-0.0015 ppm
Concentration per Run 1	0.0030 ppm	-0.0001 ppm	12.8762 ppm	-0.0005 ppm	-0.0013 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 2	0.0028 ppm	-0.0002 ppm	13.4556 ppm	-0.0004 ppm	-0.0011 ppm	-0.0005 ppm	-0.0022 ppm
Concentration per Run 3	0.0028 ppm	-0.0001 ppm	13.0177 ppm	-0.0003 ppm	-0.0005 ppm	0.0008 ppm	-0.0022 ppm
Concentration RSD	3.9 %	19.0 %	2.3 %	18.7 %	44.0 %	223.5 %	86.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	6.2322 ppm	-0.0005 ppm	0.0745 ppm	0.0002 ppm	0.0006 ppm	0.0001 ppm	0.0005 ppm
Concentration per Run 1	6.3025 ppm	-0.0004 ppm	0.0744 ppm	0.0003 ppm	0.0007 ppm	0.0002 ppm	0.0005 ppm
Concentration per Run 2	6.2072 ppm	-0.0008 ppm	0.0746 ppm	0.0000 ppm	0.0011 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run 3	6.1870 ppm	-0.0005 ppm	0.0744 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm
Concentration RSD	1.0 %	43.4 %	0.2 %	93.9 %	103.3 %	77.5 %	7.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.1329 %	99.6993 %	98.8144 %	96.2399 %	96.9213 %	101.5377 %	0.0007 ppm
Concentration per Run 1	98.6313 %	99.8973 %	98.1065 %	96.0806 %	95.8659 %	101.5989 %	0.0005 ppm
Concentration per Run 2	96.7302 %	99.6778 %	99.1031 %	96.2496 %	97.4304 %	101.6324 %	0.0011 ppm
Concentration per Run 3	96.0372 %	99.5226 %	99.2336 %	96.3894 %	97.4677 %	101.3818 %	0.0005 ppm
Concentration RSD	1.4 %	0.2 %	0.6 %	0.2 %	0.9 %	0.1 %	51.6 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2556676-12 WG2114996
 Analysis started at: 9/25/2025 12:44:55 AM
 Comments: <Comment>
 Rack: 1
 Vial: 42

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0025 ppm	0.0014 ppm	0.0116 ppm	0.0011 ppm	0.0000 ppm	33.0212 ppm
Concentration per Run 1	-0.0002 ppm	0.0009 ppm	0.0002 ppm	0.0113 ppm	0.0011 ppm	0.0000 ppm	32.4911 ppm
Concentration per Run 2	0.0001 ppm	0.0059 ppm	0.0033 ppm	0.0117 ppm	0.0011 ppm	0.0000 ppm	33.0618 ppm
Concentration per Run 3	0.0002 ppm	0.0006 ppm	0.0007 ppm	0.0117 ppm	0.0012 ppm	0.0000 ppm	33.5106 ppm
Concentration RSD	859.1 %	123.4 %	118.6 %	2.0 %	3.8 %	72.9 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0003 ppm	-0.0008 ppm	-0.0001 ppm	0.0002 ppm	0.0308 ppm	1.7659 ppm	3.9307 ppm
Concentration per Run 1	0.0003 ppm	-0.0007 ppm	-0.0001 ppm	0.0003 ppm	0.0292 ppm	1.7401 ppm	3.9504 ppm
Concentration per Run 2	0.0004 ppm	-0.0009 ppm	0.0001 ppm	0.0002 ppm	0.0312 ppm	1.7905 ppm	3.9483 ppm
Concentration per Run 3	0.0003 ppm	-0.0009 ppm	-0.0001 ppm	0.0000 ppm	0.0322 ppm	1.7673 ppm	3.8936 ppm
Concentration RSD	10.7 %	10.0 %	240.3 %	93.8 %	5.0 %	1.4 %	0.8 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0571 ppm	0.0000 ppm	8.2530 ppm	-0.0014 ppm	-0.0029 ppm	0.0019 ppm	-0.0011 ppm
Concentration per Run 1	0.0563 ppm	0.0000 ppm	8.1347 ppm	-0.0013 ppm	-0.0026 ppm	0.0019 ppm	-0.0021 ppm
Concentration per Run 2	0.0575 ppm	0.0000 ppm	8.3998 ppm	-0.0014 ppm	-0.0032 ppm	0.0021 ppm	0.0007 ppm
Concentration per Run 3	0.0576 ppm	0.0000 ppm	8.2246 ppm	-0.0014 ppm	-0.0030 ppm	0.0019 ppm	-0.0019 ppm
Concentration RSD	1.4 %	807.5 %	1.6 %	4.0 %	9.8 %	6.0 %	143.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	21.1225 [SIC 200]	-0.0006 ppm	0.1676 ppm	0.0001 ppm	-0.0009 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run 1	20.9977 ppm	-0.0003 ppm	0.1648 ppm	0.0002 ppm	-0.0002 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run 2	21.2121 ppm	-0.0013 ppm	0.1693 ppm	-0.0002 ppm	-0.0002 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run 3	21.1576 ppm	-0.0001 ppm	0.1689 ppm	0.0002 ppm	-0.0024 ppm	0.0002 ppm	-0.0001 ppm
Concentration RSD	0.5 %	108.3 %	1.5 %	248.8 %	141.0 %	42.7 %	28.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.1133 %	97.6994 %	98.2753 %	96.9273 %	94.1006 %	98.4321 %	0.0039 ppm
Concentration per Run 1	99.9044 %	97.4973 %	98.9170 %	98.4255 %	94.6114 %	97.9934 %	0.0038 ppm
Concentration per Run 2	96.0382 %	97.4610 %	97.5718 %	96.4669 %	93.7839 %	98.0969 %	0.0040 ppm
Concentration per Run 3	95.3974 %	98.1399 %	98.3370 %	95.8894 %	93.9065 %	99.2062 %	0.0038 ppm
Concentration RSD	2.5 %	0.4 %	0.7 %	1.4 %	0.5 %	0.7 %	2.5 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: L2557600-01 WG2114996
 Analysis started at: 9/25/2025 12:51:28 AM
 Comments: <Comment>
 Rack: 1
 Vial: 43

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0979 ppm	-0.0006 ppm	0.0347 ppm	0.0242 ppm	0.0000 ppm	35.9846 ppm
Concentration per Run 1	0.0001 ppm	0.1016 ppm	0.0015 ppm	0.0347 ppm	0.0241 ppm	-0.0001 ppm	35.8974 ppm
Concentration per Run 2	0.0002 ppm	0.0966 ppm	-0.0016 ppm	0.0347 ppm	0.0242 ppm	0.0000 ppm	35.9670 ppm
Concentration per Run 3	0.0002 ppm	0.0955 ppm	-0.0016 ppm	0.0346 ppm	0.0244 ppm	0.0000 ppm	36.0896 ppm
Concentration RSD	37.2 %	3.3 %	322.7 %	0.2 %	0.6 %	52.6 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	-0.0004 ppm	0.0004 ppm	0.0032 ppm	0.0380 ppm	1.6474 ppm	9.4802 ppm
Concentration per Run 1	0.0001 ppm	-0.0005 ppm	0.0004 ppm	0.0033 ppm	0.0372 ppm	1.6411 ppm	9.4811 ppm
Concentration per Run 2	0.0002 ppm	-0.0003 ppm	0.0003 ppm	0.0030 ppm	0.0381 ppm	1.6516 ppm	9.4942 ppm
Concentration per Run 3	0.0001 ppm	-0.0004 ppm	0.0004 ppm	0.0033 ppm	0.0388 ppm	1.6497 ppm	9.4653 ppm
Concentration RSD	15.4 %	24.0 %	6.7 %	5.1 %	2.2 %	0.3 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0010 ppm	0.0019 ppm	12.7363 ppm	0.0002 ppm	-0.0005 ppm	0.0009 ppm	-0.0003 ppm
Concentration per Run 1	0.0010 ppm	0.0019 ppm	12.7059 ppm	0.0002 ppm	-0.0007 ppm	0.0002 ppm	-0.0008 ppm
Concentration per Run 2	0.0008 ppm	0.0018 ppm	12.6944 ppm	0.0003 ppm	-0.0009 ppm	0.0019 ppm	-0.0009 ppm
Concentration per Run 3	0.0011 ppm	0.0020 ppm	12.8085 ppm	0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0007 ppm
Concentration RSD	17.1 %	5.1 %	0.5 %	53.1 %	103.0 %	90.8 %	279.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	1.4532 ppm	-0.0001 ppm	0.1797 ppm	0.0002 ppm	-0.0034 ppm	0.0001 ppm	0.0028 ppm
Concentration per Run 1	1.4566 ppm	-0.0008 ppm	0.1788 ppm	0.0003 ppm	-0.0039 ppm	0.0002 ppm	0.0030 ppm
Concentration per Run 2	1.4546 ppm	0.0003 ppm	0.1796 ppm	0.0005 ppm	-0.0026 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run 3	1.4486 ppm	0.0000 ppm	0.1806 ppm	-0.0001 ppm	-0.0037 ppm	0.0001 ppm	0.0027 ppm
Concentration RSD	0.3 %	367.4 %	0.5 %	118.6 %	19.6 %	93.8 %	6.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	94.9353 %	96.4122 %	96.7043 %	97.5318 %	90.2383 %	98.2109 %	0.0023 ppm
Concentration per Run 1	95.1900 %	96.0956 %	96.3505 %	97.8182 %	89.9813 %	97.8990 %	0.0020 ppm
Concentration per Run 2	94.7031 %	96.6543 %	96.6073 %	97.4435 %	89.9719 %	98.4135 %	0.0021 ppm
Concentration per Run 3	94.9130 %	96.4868 %	97.1552 %	97.3337 %	90.7619 %	98.3204 %	0.0027 ppm
Concentration RSD	0.3 %	0.3 %	0.4 %	0.3 %	0.5 %	0.3 %	16.1 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: CCV
Analysis started at: 9/25/2025 12:58:01 AM
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4809 ppm	0.4841 ppm	0.4763 ppm	0.4476 ppm	0.4855 ppm	0.5048 ppm	0.5068 ppm
Concentration per Run 1	0.4805 ppm	0.4699 ppm	0.4880 ppm	0.4599 ppm	0.4698 ppm	0.4917 ppm	0.4971 ppm
Concentration per Run 2	0.4802 ppm	0.4856 ppm	0.4895 ppm	0.4607 ppm	0.4892 ppm	0.5088 ppm	0.5063 ppm
Concentration per Run 3	0.4819 ppm	0.4970 ppm	0.4512 ppm	0.4223 ppm	0.4974 ppm	0.5141 ppm	0.5169 ppm
Recovery Percentage 1	96.174 %	96.828 %	95.251 %	89.529 %	97.099 %	100.965 %	101.355 %
Concentration RSD	0.2 %	2.8 %	4.6 %	4.9 %	2.9 %	2.3 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4706 ppm	0.4654 ppm	0.4891 ppm	0.4869 ppm	0.5137 ppm	4.9968 ppm	0.5123 ppm
Concentration per Run 1	0.4779 ppm	0.4754 ppm	0.4917 ppm	0.4833 ppm	0.5001 ppm	4.8249 ppm	0.5114 ppm
Concentration per Run 2	0.4783 ppm	0.4759 ppm	0.4849 ppm	0.4901 ppm	0.5170 ppm	4.9969 ppm	0.5126 ppm
Concentration per Run 3	0.4557 ppm	0.4449 ppm	0.4906 ppm	0.4873 ppm	0.5238 ppm	5.1688 ppm	0.5128 ppm
Recovery Percentage 1	94.121 %	93.078 %	97.813 %	97.381 %	102.731 %	99.937 %	102.453 %
Concentration RSD	2.7 %	3.8 %	0.7 %	0.7 %	2.4 %	3.4 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5117 ppm	0.4552 ppm	9.4907 ppm	0.4762 ppm	0.4803 ppm	0.4633 ppm	0.4488 ppm
Concentration per Run 1	0.4999 ppm	0.4652 ppm	9.1617 ppm	0.4869 ppm	0.4911 ppm	0.4764 ppm	0.4593 ppm
Concentration per Run 2	0.5139 ppm	0.4663 ppm	9.4960 ppm	0.4865 ppm	0.4922 ppm	0.4770 ppm	0.4610 ppm
Concentration per Run 3	0.5211 ppm	0.4341 ppm	9.8144 ppm	0.4552 ppm	0.4574 ppm	0.4365 ppm	0.4261 ppm
Recovery Percentage 1	102.330 %	91.042 %	94.907 %	95.240 %	96.052 %	92.654 %	89.766 %
Concentration RSD	2.1 %	4.0 %	3.4 %	3.8 %	4.1 %	5.0 %	4.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	4.9156 ppm	0.4706 ppm	0.5044 ppm	0.4922 ppm	0.4903 ppm	0.4919 ppm	0.4716 ppm
Concentration per Run 1	5.0500 ppm	0.4801 ppm	0.4881 ppm	0.4915 ppm	0.5023 ppm	0.4924 ppm	0.4801 ppm
Concentration per Run 2	5.0625 ppm	0.4830 ppm	0.5086 ppm	0.4917 ppm	0.5041 ppm	0.4902 ppm	0.4796 ppm
Concentration per Run 3	4.6344 ppm	0.4486 ppm	0.5164 ppm	0.4934 ppm	0.4644 ppm	0.4932 ppm	0.4552 ppm
Recovery Percentage 1	93.630 %	94.112 %	100.879 %	98.447 %	98.055 %	98.388 %	94.328 %
Concentration RSD	5.0 %	4.1 %	2.9 %	0.2 %	4.6 %	0.3 %	3.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.6132 %	99.1899 %	104.6238 %	100.8246 %	100.8402 %	101.0429 %	0.4810 ppm
Concentration per Run 1	97.6784 %	99.1057 %	101.2888 %	103.7559 %	97.8720 %	100.9411 %	0.4635 ppm
Concentration per Run 2	96.3450 %	99.0890 %	101.3257 %	100.2508 %	97.7361 %	100.8490 %	0.4816 ppm
Concentration per Run 3	95.8161 %	99.3749 %	111.2570 %	98.4671 %	106.9123 %	101.3386 %	0.4979 ppm
Recovery Percentage 1							96.195 %
Concentration RSD	1.0 %	0.2 %	5.5 %	2.7 %	5.2 %	0.3 %	3.6 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: CCB
 Analysis started at: 9/25/2025 1:04:18 AM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0027 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0036 ppm
Concentration per Run 1	0.0001 ppm	0.0034 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0095 ppm
Concentration per Run 2	0.0003 ppm	0.0014 ppm	0.0015 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 3	0.0000 ppm	0.0034 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm
Recovery Percentage 1	2.041 %	2.718 %	25.755 %	-0.112 %	-0.014 %	-0.451 %	3.617 %
Concentration RSD	105.2 %	42.2 %	25.9 %	162.9 %	7,675.6 %	116.0 %	143.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0006 ppm	-0.0011 ppm	0.0060 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0007 ppm	-0.0003 ppm	-0.0043 ppm	0.0014 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0005 ppm	-0.0016 ppm	0.0082 ppm	0.0008 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0007 ppm	-0.0014 ppm	0.0139 ppm	-0.0001 ppm
Recovery Percentage 1	-1.807 %	0.390 %	0.913 %	-6.440 %	-2.196 %	0.238 %	0.711 %
Concentration RSD	77.5 %	43.7 %	143.6 %	13.6 %	63.7 %	156.4 %	105.9 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0001 ppm	0.0004 ppm	0.0197 ppm	-0.0001 ppm	0.0004 ppm	0.0009 ppm	-0.0003 ppm
Concentration per Run 1	0.0001 ppm	0.0006 ppm	0.0209 ppm	0.0000 ppm	0.0005 ppm	0.0011 ppm	-0.0004 ppm
Concentration per Run 2	0.0002 ppm	0.0004 ppm	0.0195 ppm	-0.0002 ppm	0.0001 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	0.0003 ppm	0.0188 ppm	-0.0002 ppm	0.0008 ppm	0.0007 ppm	-0.0007 ppm
Recovery Percentage 1	0.563 %	0.834 %	0.987 %	-0.474 %	4.436 %	1.749 %	-2.743 %
Concentration RSD	311.8 %	44.5 %	5.4 %	114.6 %	79.4 %	23.0 %	181.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run 1	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0013 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0017 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 3	-0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0003 ppm	-0.0005 ppm	0.0003 ppm	-0.0003 ppm
Recovery Percentage 1	0.002 %	-0.169 %	0.207 %	1.880 %	-0.221 %	1.601 %	-4.313 %
Concentration RSD	2,142.1 %	178.9 %	193.0 %	58.9 %	3,485.0 %	72.1 %	37.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.2442 %	101.6454 %	102.1736 %	100.2268 %	103.4140 %	102.7483 %	-0.0002 ppm
Concentration per Run 1	98.7385 %	101.7030 %	102.6453 %	102.6836 %	103.8209 %	102.6840 %	-0.0004 ppm
Concentration per Run 2	96.6333 %	101.7130 %	100.6398 %	99.5487 %	101.2655 %	102.7998 %	-0.0003 ppm
Concentration per Run 3	96.3608 %	101.5202 %	103.2356 %	98.4481 %	105.1556 %	102.7610 %	0.0002 ppm
Recovery Percentage 1							-1.507 %
Concentration RSD	1.3 %	0.1 %	1.3 %	2.2 %	1.9 %	0.1 %	229.5 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: xCCV no volume
 Analysis started at: 9/25/2025 1:10:56 AM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0009 ppm	0.0033 ppm	-0.0013 ppm	-0.0001 ppm	-0.0002 ppm	-0.0027 ppm
Concentration per Run 1	0.0000 ppm	0.0023 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	-0.0085 ppm
Concentration per Run 2	0.0000 ppm	-0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0031 ppm
Concentration per Run 3	0.0002 ppm	0.0000 ppm	0.0033 ppm	-0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Recovery Percentage 1	0.034 %	0.174 %	0.667 %	-0.264 %	-0.017 %	-0.040 %	-0.541 %
Concentration RSD		237.2 %			150.2 %	5.7 %	304.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0002 ppm	-0.0001 ppm	0.0000 ppm	-0.0070 ppm	-0.0023 ppm	-0.0093 ppm	0.0009 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0025 ppm	-0.0124 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0021 ppm	-0.0062 ppm	0.0000 ppm
Concentration per Run 3	-0.0002 ppm	-0.0001 ppm	0.0000 ppm	-0.0070 ppm	0.0000 ppm	0.0000 ppm	0.0009 ppm
Recovery Percentage 1	-0.032 %	-0.015 %	0.006 %	-1.398 %	-0.461 %	-0.186 %	0.186 %
Concentration RSD					11.6 %	47.3 %	

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0001 ppm	-0.0002 ppm	-0.0161 ppm	0.0005 ppm	0.0021 ppm	0.0011 ppm	-0.0009 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0140 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 2	0.0003 ppm	0.0000 ppm	-0.0183 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0021 ppm	0.0011 ppm	-0.0009 ppm
Recovery Percentage 1	0.029 %	-0.036 %	-0.161 %	0.103 %	0.428 %	0.218 %	-0.181 %
Concentration RSD	108.4 %		18.7 %				

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0006 ppm	-0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0039 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 3	0.0006 ppm	-0.0013 ppm	0.0000 ppm	0.0001 ppm	0.0039 ppm	0.0013 ppm	0.0000 ppm
Recovery Percentage 1	0.011 %	-0.255 %	0.021 %	0.023 %	0.774 %	0.251 %	0.003 %
Concentration RSD			76.8 %				

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	232.3853 %	501.1320 %	604.7892 %	220.2226 %	545.0331 %	363.8657 %	-0.0002 ppm
Concentration per Run 1	305.8254 %	0.0000 %	0.0000 %	285.9131 %	0.0000 %	400.3480 %	-0.0001 ppm
Concentration per Run 2	158.9452 %	0.0000 %	0.0000 %	154.5320 %	0.0000 %	142.2797 %	-0.0004 ppm
Concentration per Run 3	0.0000 %	501.1320 %	604.7892 %	0.0000 %	545.0331 %	548.9695 %	0.0000 ppm
Recovery Percentage 1							-0.047 %
Concentration RSD	44.7 %			42.2 %		56.6 %	103.8 %

ICP DataTrace 6

9/25/2025 12:43:24 PM



LabBook: WG2119193_09242025T6.imexp

Sample: xCCB little volume
 Analysis started at: 9/25/2025 1:17:45 AM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0035 ppm	-0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0022 ppm
Concentration per Run 1	0.0000 ppm	0.0048 ppm	0.0038 ppm	-0.0013 ppm	0.0000 ppm	0.0000 ppm	-0.0016 ppm
Concentration per Run 2	0.0001 ppm	-0.0060 ppm	0.0032 ppm	-0.0011 ppm	0.0000 ppm	-0.0001 ppm	0.0032 ppm
Concentration per Run 3	0.0000 ppm	0.0014 ppm	0.0000 ppm	-0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0051 ppm
Recovery Percentage 1	1.454 %	0.054 %	69.686 %	-3.900 %	-0.088 %	-0.799 %	2.241 %
Concentration RSD		10,179.2 %	11.6 %	11.7 %	359.3 %	33.0 %	153.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0077 ppm	-0.0022 ppm	-0.0029 ppm	0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0017 ppm	-0.0038 ppm	0.0000 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0077 ppm	-0.0033 ppm	-0.0059 ppm	0.0006 ppm
Concentration per Run 3	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0016 ppm	0.0009 ppm	0.0000 ppm
Recovery Percentage 1	-3.557 %	-0.065 %	-1.853 %	-76.633 %	-4.341 %	-0.116 %	0.648 %
Concentration RSD	6.6 %	112.5 %			44.5 %	120.4 %	

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0002 ppm	0.0004 ppm	0.0191 ppm	0.0003 ppm	0.0020 ppm	0.0013 ppm	-0.0010 ppm
Concentration per Run 1	0.0003 ppm	0.0005 ppm	0.0163 ppm	0.0003 ppm	0.0019 ppm	0.0014 ppm	-0.0010 ppm
Concentration per Run 2	0.0002 ppm	0.0002 ppm	0.0197 ppm	0.0004 ppm	0.0022 ppm	0.0015 ppm	-0.0010 ppm
Concentration per Run 3	0.0001 ppm	0.0005 ppm	0.0212 ppm	0.0003 ppm	0.0019 ppm	0.0010 ppm	-0.0010 ppm
Recovery Percentage 1	1.632 %	0.768 %	0.954 %	1.262 %	19.936 %	2.593 %	-9.980 %
Concentration RSD	59.9 %	46.2 %	13.2 %	17.1 %	7.7 %	17.6 %	4.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0550 ppm	-0.0011 ppm	0.0000 ppm	0.0001 ppm	0.0029 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run 1	0.0658 ppm	-0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0030 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 2	0.0379 ppm	-0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0030 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run 3	0.0612 ppm	-0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0025 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage 1	10.992 %	-2.130 %	0.496 %	0.531 %	14.305 %	11.611 %	0.909 %
Concentration RSD	27.2 %	13.3 %	67.9 %		9.7 %		18.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.9392 %	285.2873 %	470.5681 %	99.9589 %	414.1405 %	334.5445 %	0.0005 ppm
Concentration per Run 1	100.2357 %	0.0000 %	470.3084 %	102.2358 %	415.5692 %	0.0000 %	0.0008 ppm
Concentration per Run 2	97.1761 %	285.2873 %	470.8278 %	99.5142 %	421.4652 %	373.0481 %	0.0002 ppm
Concentration per Run 3	96.4059 %	0.0000 %	0.0000 %	98.1266 %	405.3870 %	296.0409 %	0.0005 ppm
Recovery Percentage 1							5.041 %
Concentration RSD	2.1 %		0.1 %	2.1 %	2.0 %	16.3 %	52.1 %

QC True Values: ICP

	Element	True Value (mg/L)		Element	True Value (mg/L)
ICV/CCV	Al	0.50	CRI	Al	0.40
	K	5.00		Sb	0.10
	Na	10.00		As	0.02
	Si	5.25		Ba	0.04
ICSA				Be	0.01
	Al	250		Bi	0.02
	Ca	250		B	0.10
	Fe	100		Cd	0.01
ICSB	Mg	250		Ca	0.40
				Cr	0.02
	Al	9.00		Co	0.10
	Sb	1.00		Cu	0.05
	As	1.00		Fe	0.20
	Ba	0.30		Pb	0.05
	Be	0.10		Mg	0.40
	Bi	1.00		Mn	0.03
	B	0.50		Mo	0.10
	Cd	0.30		Ni	0.08
	Ca	45.00		K	5.00
	Cr	0.30		Se	0.02
	Co	0.30		Si	1.00
	Cu	0.30		Ag	0.02
	Fe	37.50		Na	5.00
	Pb	1.00		Sr	0.02
	Mg	22.50		Tl	0.02
	Mn	0.20		Sn	0.02
	Mo	0.30		Ti	0.02
	Ni	0.30		V	0.10
	K	20.00		Zn	0.04
	Se	0.50			
	Si	1.23			
	Ag	0.30			
	Na	7.50			
	Sr	1.00			
	Tl	1.00			
	Sn	1.00			
	Ti	1.00			
	V	0.30			
	Zn	0.30			

LCS & MS Spike Concentrations

Element	Liquid concentrations (mg/L)	Soil concentrations (mg/kg)
Al	2.00	100
Sb	0.50	25.0
As	0.12	6.0
Ba	2.00	100
Be	0.05	2.5
Bi	1.00	50.0
B	1.00	50.0
Cd	0.05	2.55
Ca	10.00	500
Cr	0.20	10.0
Co	0.50	25.0
Cu	0.25	12.5
Fe	1.00	50.0
Pb	0.51	25.5
Mg	10.00	500
Mn	0.50	25.0
Mo	1.00	50.0
Ni	0.50	25.0
K	10.00	500
Se	0.12	6.0
Si	1.00	50.0
Ag	0.05	2.5
Na	10.00	500
Sr	1.00	50.0
Tl	0.12	6.0
Sn	1.00	50.0
Ti	1.00	50.0
V	0.50	25.0
Zn	0.50	25.0

LCS and MS Spike Concentrations—As of 08/09/2011

Element	Liquid Concentration(mg/L)	Soil Concentration (mg/kg)
Al	2.00	160
Sb	0.50	40
As	0.12	9.6
Ba	2.00	160
Be	0.05	4.0
Bi	1.00	80
B	1.00	80
Cd	0.051	4.08
Ca	10.0	800
Cr	0.20	16
Co	0.50	40
Cu	0.25	20
Fe	1.00	80
Pb	0.51	40.8
Mg	10.0	800
Mn	0.50	40
Mo	1.00	80
Ni	0.50	40
K	10.0	800
Se	0.12	9.6
Si	1.00	80
Ag	0.05	24
Na	10.0	800
Sr	1.00	80
Tl	0.12	9.6
Sn	1.00	80
Ti	1.00	80
V	0.50	40
Zn	0.50	40

Revised 8/9/11 Soil spike is based on (2x water spike)x(50/1.25), where 50 is the final volume of soil digestate and 1.25 is the nominal digestion weight of 1.25g, except in the case of Ag, where additional Ag is added to the spike.

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck




ISO/IEC GUIDE 34:2009

ISO/IEC 17025:2005



Page 3 of 3 Lot: D102-540



A Waters Company

Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

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▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = $[(\% \text{ recovery certified standard}) / (\% \text{ recovery NIST SRM})] \times 100$

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

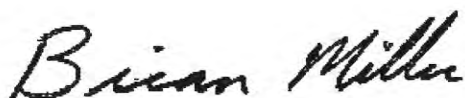
If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck



ISO/IEC 17025:2005
ISO/IEC 17025:2005


Page 3 of 3 Lot: D105-540

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.

k = Coverage factor.

U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.

U_{homogen} = Standard uncertainty of the homogeneity assessment.

U_{LTS} = Standard uncertainty associated with long-term stability.

U_{STS} = Standard uncertainty associated with short-term (transport) stability.

U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material}) / (\% \text{ recovery NIST SRM})] * 100$

The traceability data shown were compiled by analyzing this ERA certified reference material and/or its associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

Brian Miller

Matthew Seebeck





A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION



Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

Page 1 of 4 Lot: D113-540

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Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D123-540
Certificate Issue Date: September 29, 2023
Expiration Date: June 01, 2027
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6780	7.45	3590 - 9980	3240 - 10300
Antimony	257	127	7.67	D.L. - 255	25.7 - 318
Arsenic	360	311	5.66	254 - 368	218 - 405
Barium	332	304	10.3	249 - 359	228 - 380
Beryllium	183	169	2.30	140 - 198	127 - 211
Boron	320	229	8.37	159 - 300	138 - 352
Cadmium	238	212	2.84	175 - 250	159 - 265
Calcium	5490	5170	7.20	4240 - 6090	3770 - 6560
Chromium	199	180	7.49	146 - 213	126 - 234
Cobalt	88.7	81.6	14.9	67.9 - 95.4	61.2 - 102
Copper	227	205	23.1	170 - 240	154 - 256
Iron	7360	6510	7.13	3760 - 9260	736 - 13200
Lead	100	92.8	17.9	75.9 - 110	65.0 - 121
Lithium	146	132	6.88	82.7 - 182	92.0 - 172
Magnesium	1900	1700	6.98	1280 - 2110	946 - 2450
Manganese	591	531	12.5	429 - 633	410 - 652
Mercury	14.4	11.9	8.30	7.99 - 15.7	7.12 - 16.6
Molybdenum	155	136	2.46	108 - 163	96.1 - 175
Nickel	342	313	7.24	258 - 368	219 - 407
Potassium	1500	1370	6.70	991 - 1750	713 - 2030
Selenium	170	165	4.43	133 - 197	112 - 218
Silver	88.6	82.4	6.61	65.5 - 99.2	58.5 - 106
Sodium	527	486	7.85	361 - 611	289 - 683
Strontium	148	136	8.52	109 - 163	98.7 - 173

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	226	205	4.43	166 - 245	148 - 263
Tin	85.2	75.4	3.97	58.7 - 92.1	40.6 - 110
Titanium	382	306	8.28	77.0 - 535	98.3 - 514
Uranium	46.5	47.2	5.32	36.2 - 58.2	28.6 - 65.8
Vanadium	118	103	7.76	80.3 - 126	70.0 - 136
Zinc	183	166	6.60	133 - 200	117 - 216

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6780	88.3	109	-	-
Antimony	257	127	49.3	117	-	-
Arsenic	360	311	86.5	145	-	-
Barium	332	304	91.6	129	-	-
Beryllium	183	169	92.4	121	-	-
Boron	320	229	71.6	84	-	-
Cadmium	238	212	89.2	163	-	-
Calcium	5490	5170	94.1	97	-	-
Chromium	199	180	90.4	145	-	-
Cobalt	88.7	81.6	92.0	121	-	-
Copper	227	205	90.3	151	-	-
Iron	7360	6510	88.5	110	-	-
Lead	100	92.8	92.8	161	-	-
Lithium	146	132	90.6	35	-	-
Magnesium	1900	1700	89.4	100	-	-
Manganese	591	531	89.8	125	-	-
Mercury	14.4	11.9	82.4	95	-	-
Molybdenum	155	136	87.5	120	-	-
Nickel	342	313	91.5	150	-	-
Potassium	1500	1370	91.3	99	-	-
Selenium	170	165	97.0	132	-	-
Silver	88.6	82.4	93.0	124	-	-
Sodium	527	486	92.2	100	-	-
Strontium	148	136	91.9	84	-	-
Thallium	226	205	90.8	117	-	-
Tin	85.2	75.4	88.5	90	-	-
Titanium	382	306	80.1	87	-	-
Uranium	46.5	47.2	102	30	-	-
Vanadium	118	103	87.4	119	-	-
Zinc	183	166	91.0	146	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.
2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.
 k = Coverage factor.
 U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
 U_{homogen} = Standard uncertainty of the homogeneity assessment.
 U_{LTS} = Standard uncertainty associated with long-term stability.
 U_{STS} = Standard uncertainty associated with short-term (transport) stability.
 U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).
3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.
4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.
5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.
6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material})/(\% \text{ recovery NIST SRM})]*100$
 The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.
7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.
8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.
9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.





A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D126-540
Certificate Issue Date: June 25, 2024
Expiration Date: January 17, 2028
Revision Number: 1.0
Revision Date: February 28, 2025

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6840	17.4	3640 - 10000	3280 - 10400
Antimony	250	131	7.92	5.96 - 256	25.0 - 328
Arsenic	229	192	15.3	156 - 228	135 - 252
Barium	244	219	20.5	179 - 259	164 - 274
Beryllium	165	146	6.80	120 - 172	110 - 183
Boron	255	175	13.9	119 - 231	105 - 280
Cadmium	134	114	6.45	93.1 - 135	85.5 - 147
Calcium	4280	4080	14.7	3360 - 4800	2930 - 5240
Chromium	172	153	13.9	124 - 182	107 - 199
Cobalt	253	231	19.3	192 - 271	174 - 289
Copper	99.6	91.2	17.6	75.8 - 107	68.4 - 114
Iron	7360	7020	21.4	4260 - 9770	736 - 13800
Lead	153	141	18.2	115 - 167	102 - 180
Lithium	104	96.1	13.2	60.8 - 131	68.1 - 124
Magnesium	2060	1900	16.9	1450 - 2350	1110 - 2690
Manganese	442	401	19.4	324 - 477	305 - 497
Mercury	15.9	14.1	7.72	9.82 - 18.4	8.45 - 19.7
Molybdenum	165	144	6.21	115 - 173	102 - 186
Nickel	165	143	14.5	117 - 170	100 - 187
Potassium	1950	1760	15.6	1270 - 2250	999 - 2520
Selenium	107	94.7	9.78	74.3 - 115	61.2 - 128
Silver	83.9	77.0	10.1	61.1 - 92.9	54.6 - 99.4
Sodium	732	661	15.6	487 - 834	409 - 913

Page 1 of 4 Lot: D126-540

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Strontium	222	191	15.0	151 - 232	140 - 244
Thallium	208	183	6.96	147 - 219	131 - 235
Tin	111	99.0	10.8	77.2 - 121	56.1 - 142
Titanium	422	353	19.9	99.4 - 606	128 - 577
Uranium	20.9	20.0	13.9	15.1 - 25.0	8.44 - 31.6
Vanadium	179	159	13.9	125 - 194	116 - 203
Zinc	327	292	5.83	233 - 351	204 - 379



A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6840	89.0	135	-	-
Antimony	250	131	52.5	145	-	-
Arsenic	229	192	84.0	242	-	-
Barium	244	219	89.7	165	-	-
Beryllium	165	146	88.7	153	-	-
Boron	255	175	68.5	109	-	-
Cadmium	134	114	85.1	243	-	-
Calcium	4280	4080	95.4	119	-	-
Chromium	172	153	89.2	185	-	-
Cobalt	253	231	91.5	144	-	-
Copper	99.6	91.2	91.6	238	-	-
Iron	7360	7020	95.3	133	-	-
Lead	153	141	92.2	255	-	-
Lithium	104	96.1	92.4	45	-	-
Magnesium	2060	1900	92.3	122	-	-
Manganese	442	401	90.7	143	-	-
Mercury	15.9	14.1	88.6	148	-	-
Molybdenum	165	144	87.2	145	-	-
Nickel	165	143	86.9	232	-	-
Potassium	1950	1760	90.2	128	-	-
Selenium	107	94.7	88.5	167	-	-
Silver	83.9	77.0	91.8	157	-	-
Sodium	732	661	90.3	117	-	-
Strontium	222	191	86.2	92	-	-
Thallium	208	183	88.0	147	-	-
Tin	111	99.0	89.1	102	-	-
Titanium	422	353	83.6	90	-	-
Uranium	20.9	20.0	95.9	31	-	-
Vanadium	179	159	89.0	146	-	-
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Page 3 of 4 Lot: D126-540

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

▪ Certificate of Analysis ▪

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 U_{homogen} = Standard uncertainty of the homogeneity assessment.
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This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.



Calculation of 6010B Metals

Aqueous Samples

The instrument will calculate the concentration ($\mu\text{g/L}$). This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = C_s \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

Where:

C_s = Concentration of sample ($\mu\text{g/L}$)

DF = Dilution Factor

Soil or Solid Samples

Soil samples are calculated as follows:

$$\text{Result, mg/Kg} = \frac{C_s \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})}{A}$$

Where:

C_s = Concentration of sample ($\mu\text{g/L}$)

DF = Dilution Factor

$$A = \frac{\text{Sample weight (grams)}}{\text{Final Volume (mL)}}$$

Dry weight correction

Dry weight correction is calculated as follows:

$$\text{Final concentration in mg/Kg, dry weight} = \frac{\text{Result, mg/Kg}}{\%_{\text{solids}}}$$

Where:

$\%_{\text{solids}}$ = Percent Solids, as a decimal value

Sequence Trace 9

9/18/2025 5:21:24 AM



LabBook: WG2115884_09172025T9.imexp

Summary

Index	Label	Rack	Vial	Started at
1	Blank EFM Trace9	0	1	9/17/2025 7:43:20 AM
2	ICAL	0	2	9/17/2025 7:46:45 AM
3	ICV	0	3	9/17/2025 7:49:58 AM
4	ICB	0	4	9/17/2025 7:53:13 AM
5	LLOQ	0	5	9/17/2025 7:59:22 AM
6	ICSA	0	6	9/17/2025 8:02:41 AM
7	SIC Multi	0	7	9/17/2025 8:07:27 AM
8	LDR Check	0	8	9/17/2025 8:11:14 AM
9	xLLOQ .005	1	1	9/17/2025 8:40:30 AM
10	LLOQ .01ppm As soils TCLPs Se	1	2	9/17/2025 8:43:53 AM
11	zLLOQ .05	1	3	9/17/2025 8:47:05 AM
12	LDR Cu 20 pass	1	4	9/17/2025 8:50:18 AM
13	CCV	0	3	9/17/2025 8:53:31 AM
14	CCB	0	4	9/17/2025 8:56:46 AM
15	WG2115376-1 WG2115376	1	5	9/17/2025 9:26:22 AM
16	WG2115376-2D2 WG2115376	1	6	9/17/2025 9:29:46 AM
17	WG2115376-3D2 WG2115376	1	7	9/17/2025 9:33:00 AM
18	xL2557919-01D2 WG2115376	1	8	9/17/2025 9:36:14 AM
19	L2555774-01 WG2112414	1	9	9/17/2025 9:39:28 AM
20	L2556028-01 WG2112414	1	10	9/17/2025 9:42:43 AM
21	L2556028-02 WG2112414	1	11	9/17/2025 9:45:57 AM
22	L2556028-03 WG2112414	1	12	9/17/2025 9:49:12 AM
23	CCV	0	3	9/17/2025 9:52:27 AM
24	CCB	0	4	9/17/2025 9:55:42 AM
25	WG2114901-1 WG2114901	1	13	9/17/2025 10:26:08 AM
26	Test FM 1525 AJT	1	22	9/17/2025 10:29:32 AM
27	WG2114901-2D2 WG2114901	1	14	9/17/2025 10:32:47 AM
28	L2557306-01D10 WG2114901	1	20	9/17/2025 10:35:59 AM
29	zL2557306-01D20 WG2114901	1	21	9/17/2025 10:39:14 AM
30	L2556719-26D2 WG2114901	1	15	9/17/2025 10:42:28 AM
31	WG2114901-3D2 WG2114901	1	16	9/17/2025 10:45:41 AM
32	WG2114901-4D2 WG2114901	1	17	9/17/2025 10:48:54 AM
33	WG2114901-5D2 WG2114901	1	18	9/17/2025 10:52:08 AM
34	WG2114901-6D10 WG2114901	1	19	9/17/2025 10:55:21 AM
35	CCV	0	3	9/17/2025 10:58:35 AM
36	CCB	0	4	9/17/2025 11:01:50 AM
37	WG2115354-1 WG2115354	1	23	9/17/2025 11:20:23 AM
38	Test FPS 1625 CLH	1	31	9/17/2025 11:23:50 AM
39	Test FM 1525 AJT v2	1	32	9/17/2025 11:27:04 AM
40	WG2115354-2D2 WG2115354	1	24	9/17/2025 11:30:19 AM
41	L2557957-01D2 WG2115354	1	30	9/17/2025 11:33:34 AM
42	L2558008-02D2 WG2115354	1	25	9/17/2025 11:36:48 AM
43	WG2115354-3D2 WG2115354	1	26	9/17/2025 11:40:01 AM
44	WG2115354-4D2 WG2115354	1	27	9/17/2025 11:43:13 AM
45	WG2115354-5D2 WG2115354	1	28	9/17/2025 11:46:26 AM
46	WG2115354-6D10 WG2115354	1	29	9/17/2025 11:49:39 AM
47	CCV	0	3	9/17/2025 11:52:52 AM
48	CCB	0	4	9/17/2025 11:56:07 AM
49	WG2115410-1 WG2115410	1	33	9/17/2025 12:03:04 PM
50	WG2115410-2 WG2115410	1	34	9/17/2025 12:06:24 PM
51	LDR 400 Fe pass	1	42	9/17/2025 12:09:39 PM
52	LDR 1100 Ca pass	1	43	9/17/2025 12:12:53 PM
53	L2558038-01 WG2115410	1	40	9/17/2025 12:17:53 PM
54	L2558089-01 WG2115410	1	35	9/17/2025 12:21:12 PM
55	WG2115410-7 WG2115410	1	36	9/17/2025 12:24:27 PM
56	WG2115410-8 WG2115410	1	37	9/17/2025 12:27:42 PM
57	WG2115410-9 WG2115410	1	38	9/17/2025 12:30:55 PM
58	WG2115410-10D5 WG2115410	1	39	9/17/2025 12:34:08 PM
59	CCV	0	3	9/17/2025 12:37:21 PM
60	CCB	0	4	9/17/2025 12:40:35 PM
61	WG2115585-1 WG2115585	1	44	9/17/2025 1:16:18 PM
62	WG2115585-2 WG2115585	1	45	9/17/2025 1:19:45 PM
63	L2558089-02 WG2115410	1	41	9/17/2025 1:23:00 PM
64	L2555418-01 WG2115585	1	51	9/17/2025 1:26:13 PM
65	L2555486-02 WG2115585	1	52	9/17/2025 1:32:00 PM
66	L2556911-01 WG2115585	1	46	9/17/2025 1:35:23 PM
67	WG2115585-3 WG2115585	1	47	9/17/2025 1:38:38 PM
68	WG2115585-4 WG2115585	1	48	9/17/2025 1:41:53 PM

Sequence Trace 9

9/18/2025 5:21:24 AM



Index	Label	Rack	Vial	Started at
69	WG2115585-5 WG2115585	1	49	9/17/2025 1:45:08 PM
70	WG2115585-6D5 WG2115585	1	50	9/17/2025 1:48:21 PM
71	CCV	0	3	9/17/2025 1:51:35 PM
72	CCB	0	4	9/17/2025 1:54:49 PM
73	I2556270-01D2 WG2112872	1	53	9/17/2025 2:17:55 PM
74	I2556270-02D2 WG2112872	1	54	9/17/2025 2:21:21 PM
75	I2556270-03D2 WG2112872	1	55	9/17/2025 2:24:35 PM
76	I2556270-04D2 WG2112872	1	56	9/17/2025 2:27:49 PM
77	I2556270-05D2 WG2112872	1	57	9/17/2025 2:31:03 PM
78	I2556270-06D2 WG2112872	1	58	9/17/2025 2:34:18 PM
79	I2556270-07D2 WG2112872	1	59	9/17/2025 2:37:33 PM
80	eI2556270-08D2 WG2112872	1	60	9/17/2025 2:40:48 PM
81	I2556270-01D20 WG2112872	2	1	9/17/2025 2:44:03 PM
82	I2556270-03D20 WG2112872	2	2	9/17/2025 2:47:18 PM
83	CCV	0	3	9/17/2025 2:50:32 PM
84	CCB	0	4	9/17/2025 2:53:47 PM
85	WG2115624-1 WG2115624	2	4	9/17/2025 3:25:01 PM
86	WG2115624-2D2 WG2115624	2	5	9/17/2025 3:28:29 PM
87	L2555943-02D10 WG2112933	2	11	9/17/2025 3:31:43 PM
88	L2555943-03D2 WG2112933	2	12	9/17/2025 3:34:58 PM
89	I2556270-08D10 WG2112872	2	3	9/17/2025 3:38:14 PM
90	eL2556270-54D2 WG2115624	2	6	9/17/2025 3:41:28 PM
91	eWG2115624-3D2 WG2115624	2	7	9/17/2025 3:44:42 PM
92	eWG2115624-4D2 WG2115624	2	8	9/17/2025 3:47:57 PM
93	eWG2115624-5D2 WG2115624	2	9	9/17/2025 3:51:11 PM
94	eWG2115624-6D10 WG2115624	2	10	9/17/2025 3:54:26 PM
95	CCV	0	3	9/17/2025 3:57:41 PM
96	CCB	0	4	9/17/2025 4:00:55 PM
97	WG2116123-1 WG2116123	2	13	9/17/2025 4:27:05 PM
98	WG2116123-2D2 WG2116123	2	14	9/17/2025 4:30:33 PM
99	WG2116123-3D2 WG2116123	2	15	9/17/2025 4:34:53 PM
100	L2557919-01D2 WG2116123	2	16	9/17/2025 4:41:22 PM
101	L2556270-54D20 WG2115624	2	17	9/17/2025 4:44:50 PM
102	WG2115624-3D20 WG2115624	2	18	9/17/2025 4:48:05 PM
103	WG2115624-4D20 WG2115624	2	19	9/17/2025 4:51:20 PM
104	WG2115624-5D20 WG2115624	2	20	9/17/2025 4:54:35 PM
105	WG2115624-6D100 WG2115624	2	21	9/17/2025 4:57:50 PM
106	CCV	0	3	9/17/2025 5:01:06 PM
107	CCB	0	4	9/17/2025 5:04:21 PM
108	xwrong spot	2	23	9/17/2025 5:45:58 PM
109	WG2113541-1 WG2113541	2	22	9/17/2025 6:02:41 PM
110	WG2113541-2 WG2113541	2	23	9/17/2025 6:06:10 PM
111	L2556334-03 WG2113541	2	24	9/17/2025 6:09:26 PM
112	WG2113541-3 WG2113541	2	25	9/17/2025 6:12:41 PM
113	WG2113541-4 WG2113541	2	26	9/17/2025 6:15:57 PM
114	WG2113541-5 WG2113541	2	27	9/17/2025 6:19:12 PM
115	WG2113541-6d5 WG2113541	2	28	9/17/2025 6:22:27 PM
116	L2556332-02 WG2113541	2	34	9/17/2025 6:26:26 PM
117	L2556332-05 WG2113541	2	35	9/17/2025 6:29:41 PM
118	CCV	0	3	9/17/2025 6:38:52 PM
119	CCB	0	4	9/17/2025 6:42:13 PM
120	WG2116123-2D2 WG2116123	2	52	9/17/2025 6:45:40 PM
121	WG2116123-3D2 WG2116123	2	53	9/17/2025 6:48:55 PM
122	CCV	0	3	9/17/2025 7:11:03 PM
123	CCB	0	4	9/17/2025 7:14:24 PM
124	L2556335-02 WG2113541	2	29	9/17/2025 7:36:18 PM
125	WG2113541-7 WG2113541	2	30	9/17/2025 7:39:46 PM
126	WG2113541-8 WG2113541	2	31	9/17/2025 7:43:01 PM
127	WG2113541-9 WG2113541	2	32	9/17/2025 7:46:16 PM
128	WG2113541-10d5 WG2113541	2	33	9/17/2025 7:49:31 PM
129	L2556332-08 WG2113541	2	36	9/17/2025 7:52:47 PM
130	L2556332-11 WG2113541	2	37	9/17/2025 7:56:03 PM
131	L2556332-14 WG2113541	2	38	9/17/2025 7:59:19 PM
132	L2556334-06 WG2113541	2	39	9/17/2025 8:02:34 PM
133	L2556334-09 WG2113541	2	40	9/17/2025 8:05:50 PM
134	CCV	0	3	9/17/2025 8:29:36 PM
135	CCB	0	4	9/17/2025 8:32:57 PM
136	L2556334-12 WG2113541	2	41	9/17/2025 8:40:11 PM
137	L2556334-15 WG2113541	2	42	9/17/2025 8:43:39 PM
138	xskipping	2	43	9/17/2025 8:46:55 PM
139	L2556334-21 WG2113541	2	44	9/17/2025 8:50:10 PM
140	xskipping	2	45	9/17/2025 8:53:26 PM
141	L2556334-27 WG2113541	2	46	9/17/2025 8:56:41 PM
142	L2556335-05 WG2113541	2	47	9/17/2025 8:59:57 PM

Sequence Trace 9

9/18/2025 5:21:24 AM



Index	Label	Rack	Vial	Started at
143	L2556335-08 WG2113541	2	48	9/17/2025 9:03:13 PM
144	L2556335-11 WG2113541	2	49	9/17/2025 9:06:29 PM
145	L2556335-14 WG2113541	2	50	9/17/2025 9:09:45 PM
146	CCV	0	3	9/17/2025 9:13:09 PM
147	CCB	0	4	9/17/2025 9:16:25 PM
148	L2556335-17 WG2113541	2	51	9/17/2025 9:21:00 PM
149	L2556334-18 WG2113541	2	54	9/17/2025 9:24:23 PM
150	L2556334-24 WG2113541	2	55	9/17/2025 9:27:39 PM
151	CCV	0	3	9/17/2025 9:33:05 PM
152	CCB	0	4	9/17/2025 9:36:23 PM
153	WG2113740-1 WG2113740	2	56	9/17/2025 9:41:59 PM
154	WG2113740-2 WG2113740	2	57	9/17/2025 9:45:26 PM
155	L2556713-01 WG2113740	2	58	9/17/2025 9:48:42 PM
156	WG2113740-3 WG2113740	2	59	9/17/2025 9:51:58 PM
157	WG2113740-4 WG2113740	2	60	9/17/2025 9:55:14 PM
158	WG2113740-5 WG2113740	3	1	9/17/2025 9:58:30 PM
159	WG2113740-6d5 WG2113740	3	2	9/17/2025 10:01:47 PM
160	L2556321-02 WG2113740	3	3	9/17/2025 10:05:03 PM
161	L2556321-04 WG2113740	3	4	9/17/2025 10:08:20 PM
162	L2557018-01d20 WG2113740	3	5	9/17/2025 10:11:36 PM
163	CCV	0	3	9/17/2025 10:24:17 PM
164	CCB	0	4	9/17/2025 10:27:38 PM
165	L2557022-01d20 WG2113740	3	6	9/17/2025 10:32:28 PM
166	CCV	0	3	9/17/2025 10:37:51 PM
167	CCB	0	4	9/17/2025 10:41:10 PM
168	L2556210-01d2 WG2114201	3	7	9/17/2025 10:56:42 PM
169	L2556210-02d2 WG2114201	3	8	9/17/2025 11:00:12 PM
170	L2556210-03d2 WG2114201	3	9	9/17/2025 11:03:28 PM
171	L2556210-04d2 WG2114201	3	10	9/17/2025 11:06:45 PM
172	L2556210-05d2 WG2114201	3	11	9/17/2025 11:10:01 PM
173	L2556210-06d2 WG2114201	3	12	9/17/2025 11:13:17 PM
174	L2556210-07d2 WG2114201	3	13	9/17/2025 11:16:33 PM
175	L2556210-08d2 WG2114201	3	14	9/17/2025 11:19:49 PM
176	L2556210-09d2 WG2114201	3	15	9/17/2025 11:23:06 PM
177	L2556210-10d2 WG2114201	3	16	9/17/2025 11:26:23 PM
178	CCV	0	3	9/17/2025 11:29:40 PM
179	CCB	0	4	9/17/2025 11:32:55 PM
180	L2556282-01d2 WG2114201	3	17	9/17/2025 11:36:11 PM
181	L2556282-02d2 WG2114201	3	18	9/17/2025 11:39:28 PM
182	CCV	0	3	9/17/2025 11:42:45 PM
183	CCB	0	4	9/17/2025 11:46:00 PM
184	CCV	0	3	9/17/2025 11:49:17 PM
185	CCB	0	4	9/17/2025 11:52:33 PM

Sequence Trace 7

9/19/2025 12:08:30



LabBook: WG2116611_09182025T7.imexp

Index:	Label:	Rack	Vial	Start time:
1	Blank JMF Trace7	0	1	9/18/2025 13:04:27
2	ICAL	0	2	9/18/2025 13:08:58
3	ICV	0	3	9/18/2025 13:13:08
4	ICB	0	4	9/18/2025 13:17:22
5	ICV	0	10	9/18/2025 13:28:53
6	ICB	0	4	9/18/2025 13:33:11
7	LLOQ	0	5	9/18/2025 13:37:44
8	ICSA	0	6	9/18/2025 13:42:15
9	SIC Multi	0	7	9/18/2025 13:47:13
10	LDR Check	0	8	9/18/2025 13:52:01
11	zLLOQ 0.005ppm	1	1	9/18/2025 14:28:22
12	LLOQ 0.01ppm As Pass	1	2	9/18/2025 14:32:53
13	CCV	0	3	9/18/2025 15:31:37
14	CCB	0	4	9/18/2025 15:35:50
15	WG2114996-1 WG2114996	1	3	9/18/2025 15:57:44
16	WG2114996-2 WG2114996	1	4	9/18/2025 16:02:16
17	L2556676-10 WG2114996	1	5	9/18/2025 16:06:28
18	WG2114996-7 WG2114996	1	6	9/18/2025 16:10:56
19	WG2114996-8 WG2114996	1	7	9/18/2025 16:15:08
20	WG2114996-9 WG2114996	1	8	9/18/2025 16:19:36
21	WG2114996-10d5 WG2114996	1	9	9/18/2025 16:23:49
22	L2557403-01 WG2114996	1	10	9/18/2025 16:28:19
23	L2557403-02 WG2114996	1	11	9/18/2025 16:33:14
24	CCV	0	3	9/18/2025 16:41:36
25	CCB	0	4	9/18/2025 16:45:49
26	eL2557403-01d5 WG2114996	1	42	9/18/2025 17:05:19
27	CCV	0	3	9/18/2025 17:13:35
28	CCB	0	4	9/18/2025 17:17:48
29	WG2113539-1 WG2113539	1	12	9/18/2025 17:27:16
30	WG2113539-2 WG2113539	1	13	9/18/2025 17:31:49
31	L2556330-03 WG2113539	1	14	9/18/2025 17:35:59
32	WG2113539-3 WG2113539	1	15	9/18/2025 17:40:27
33	WG2113539-4 WG2113539	1	16	9/18/2025 17:44:38
34	WG2113539-5 WG2113539	1	17	9/18/2025 17:49:06
35	WG2113539-6d5 WG2113539	1	18	9/18/2025 17:53:18
36	L2556323-02 WG2113539	1	24	9/18/2025 17:57:47
37	L2556323-05 WG2113539	1	25	9/18/2025 18:02:16
38	L2556323-08 WG2113539	1	26	9/18/2025 18:06:43
39	CCV	0	3	9/18/2025 18:14:29
40	CCB	0	4	9/18/2025 18:18:42
41	L2556331-02 WG2113539	1	19	9/18/2025 18:33:03
42	WG2113539-7 WG2113539	1	20	9/18/2025 18:37:30
43	WG2113539-8 WG2113539	1	21	9/18/2025 18:41:42
44	WG2113539-9 WG2113539	1	22	9/18/2025 18:46:10
45	WG2113539-10d5 WG2113539	1	23	9/18/2025 18:50:23
46	L2556330-06 WG2113539	1	27	9/18/2025 18:54:53
47	L2556330-09 WG2113539	1	28	9/18/2025 18:59:19
48	L2556330-12 WG2113539	1	29	9/18/2025 19:06:43
49	L2556330-15 WG2113539	1	30	9/18/2025 19:11:10
50	L2556330-18 WG2113539	1	31	9/18/2025 19:15:39
51	CCV	0	3	9/18/2025 19:20:07
52	CCB	0	4	9/18/2025 19:24:21
53	L2556324-01 WG2113539	1	32	9/18/2025 19:40:04
54	L2556324-04 WG2113539	1	33	9/18/2025 19:44:31
55	L2556324-07 WG2113539	1	34	9/18/2025 20:00:45
56	L2556331-05 WG2113539	1	35	9/18/2025 20:05:14
57	L2556331-08 WG2113539	1	36	9/18/2025 20:09:44
58	L2556331-11 WG2113539	1	37	9/18/2025 20:14:13
59	L2556331-14 WG2113539	1	38	9/18/2025 20:21:15
60	L2556331-17 WG2113539	1	39	9/18/2025 20:34:56
61	L2556331-20 WG2113539	1	40	9/18/2025 20:39:22
62	L2556331-23 WG2113539	1	41	9/18/2025 20:43:48
63	CCV	0	3	9/18/2025 20:59:47
64	CCB	0	4	9/18/2025 21:04:00
65	WG2112811-1 WG2112811	1	43	9/18/2025 21:47:13
66	WG2112811-2 WG2112811	1	44	9/18/2025 21:51:43
67	L2556566-01 WG2112811	1	45	9/18/2025 21:55:56
68	WG2112811-3 WG2112811	1	46	9/18/2025 22:00:25
69	WG2112811-4 WG2112811	1	47	9/18/2025 22:04:38
70	WG2112811-5 WG2112811	1	48	9/18/2025 22:09:07
71	WG2112811-6D5 WG2112811	1	49	9/18/2025 22:13:21
72	L2556566-02 WG2112811	1	50	9/18/2025 22:17:48

Sequence Trace 7

9/19/2025 12:08:30



Index:	Label:	Rack	Vial	Start time:
73	L2556566-03 WG2112811	1	51	9/18/2025 22:22:15
74	L2556566-04 WG2112811	1	52	9/18/2025 22:26:42
75	CCV	0	3	9/18/2025 22:47:44
76	CCB	0	4	9/18/2025 22:51:57
77	CCV	0	3	9/18/2025 22:56:49
78	CCB	0	4	9/18/2025 23:01:02
79	L2556566-05 WG2112811	1	53	9/18/2025 23:12:29
80	L2556566-06 WG2112811	1	54	9/18/2025 23:16:55
81	L2556566-07 WG2112811	1	55	9/18/2025 23:21:24
82	L2556566-08 WG2112811	1	56	9/18/2025 23:25:52
83	L2556566-09 WG2112811	1	57	9/18/2025 23:30:21
84	L2556566-10 WG2112811	1	58	9/18/2025 23:34:50
85	CCV	0	3	9/18/2025 23:39:18
86	CCB	0	4	9/18/2025 23:43:31
87	CCV	0	3	9/18/2025 23:48:04
88	CCB	0	4	9/18/2025 23:52:17

Sequence Trace 11

9/25/2025 5:32:17 PM



LabBook: WG2118872_20250924_T11.imexp

Summary

Index	Label	Rack Number	Vial Numbers	Start Time
1	zBlank EFM Trace11	0	1	9/24/2025 7:03:34 AM
2	Blank EFM Trace11	0	1	9/24/2025 7:05:57 AM
3	ICAL	0	2	9/24/2025 7:08:02 AM
4	ICV	0	3	9/24/2025 7:10:06 AM
5	ICB	0	4	9/24/2025 7:12:11 AM
6	LLOQ	0	5	9/24/2025 7:24:33 AM
7	ICSA	0	6	9/24/2025 7:26:43 AM
8	SIC Multi	0	7	9/24/2025 7:36:10 AM
9	LDR Check	0	8	9/24/2025 7:38:25 AM
10	LLOQ .005	4	1	9/24/2025 8:11:09 AM
11	LLOQ .01	4	2	9/24/2025 8:13:24 AM
12	LLOQ .05	4	3	9/24/2025 8:15:29 AM
13	LDR As 5	4	4	9/24/2025 8:17:33 AM
14	LDR Ni 10	4	5	9/24/2025 8:19:38 AM
15	LDR Zn 20	4	6	9/24/2025 8:21:42 AM
16	LDR Cr 20	4	7	9/24/2025 8:23:47 AM
17	LDR Pb 50	4	8	9/24/2025 8:25:52 AM
18	LDR K 300	4	9	9/24/2025 8:27:56 AM
19	CCV	0	3	9/24/2025 8:35:10 AM
20	CCB	0	4	9/24/2025 8:37:21 AM
21	WG2118041-1 WG2118041	1	1	9/24/2025 8:49:02 AM
22	WG2118041-2d2 WG2118041	1	2	9/24/2025 8:51:13 AM
23	L2556299-02d2 WG2118041	1	8	9/24/2025 8:53:18 AM
24	L2556299-04d2 WG2118041	1	9	9/24/2025 8:55:22 AM
25	L2557050-08d2 WG2118041	1	10	9/24/2025 8:57:27 AM
26	L2558498-02d2 WG2118041	1	3	9/24/2025 8:59:32 AM
27	WG2118041-3d2 WG2118041	1	4	9/24/2025 9:01:36 AM
28	WG2118041-4d2 WG2118041	1	5	9/24/2025 9:03:41 AM
29	WG2118041-5d2 WG2118041	1	6	9/24/2025 9:05:46 AM
30	WG2118041-6d10 WG2118041	1	7	9/24/2025 9:07:51 AM
31	CCV	0	3	9/24/2025 9:09:56 AM
32	CCB	0	4	9/24/2025 9:12:00 AM
33	xL2558498-03d2 WG2118041	1	11	9/24/2025 9:15:29 AM
34	L2558498-04d2 WG2118041	1	12	9/24/2025 9:17:34 AM
35	L2558498-05d2 WG2118041	1	13	9/24/2025 9:19:38 AM
36	L2558498-06d2 WG2118041	1	14	9/24/2025 9:21:43 AM
37	L2558558-01d2 WG2118041	1	15	9/24/2025 9:23:47 AM
38	L2558558-02d2 WG2118041	1	16	9/24/2025 9:25:52 AM
39	L2558604-01d2 WG2118041	1	17	9/24/2025 9:27:56 AM
40	L2558604-02d2 WG2118041	1	18	9/24/2025 9:30:01 AM
41	L2558630-01d2 WG2118041	1	19	9/24/2025 9:32:05 AM
42	L2558630-02d2 WG2118041	1	20	9/24/2025 9:34:10 AM
43	CCV	0	3	9/24/2025 9:36:15 AM
44	CCB	0	4	9/24/2025 9:38:19 AM
45	xL2558498-03d2 WG2118041	1	11	9/24/2025 9:47:59 AM
46	LDR Fe 450	1	21	9/24/2025 9:50:10 AM
47	L2557414-02d2 WG2116781	1	22	9/24/2025 9:52:15 AM
48	L2557414-03d2 WG2116781	1	23	9/24/2025 9:54:20 AM
49	L2557414-04d2 WG2116781	1	24	9/24/2025 9:56:24 AM
50	L2557514-04d2 WG2116781	1	25	9/24/2025 9:58:29 AM
51	L2557514-05d2 WG2116781	1	26	9/24/2025 10:00:34 AM
52	xL2557514-06d2 WG2116781	1	27	9/24/2025 10:02:39 AM
53	L2558239-01d2 WG2116781	1	28	9/24/2025 10:04:44 AM
54	L2558498-03d2 WG2118041	1	29	9/24/2025 10:06:48 AM
55	CCV	0	3	9/24/2025 10:08:53 AM
56	CCB	0	4	9/24/2025 10:10:57 AM
57	WG2118128-1 WG2118128	1	31	9/24/2025 10:49:32 AM
58	WG2118128-2d2 WG2118128	1	32	9/24/2025 10:51:48 AM
59	L2557514-06d4 WG2116781	1	30	9/24/2025 10:53:53 AM
60	L2558751-32d2 WG2118128	1	38	9/24/2025 10:55:58 AM
61	L2558751-33d2 WG2118128	1	39	9/24/2025 10:58:03 AM
62	L2558751-37d2 WG2118128	1	33	9/24/2025 11:00:07 AM
63	WG2118128-3d2 WG2118128	1	34	9/24/2025 11:02:12 AM
64	WG2118128-4d2 WG2118128	1	35	9/24/2025 11:04:17 AM
65	WG2118128-5d2 WG2118128	1	36	9/24/2025 11:06:22 AM
66	WG2118128-6d10 WG2118128	1	37	9/24/2025 11:08:27 AM
67	CCV	0	3	9/24/2025 11:10:32 AM

Sequence Trace 11

9/25/2025 5:32:17 PM



Index	Label	Rack Number	Vial Numbers	Start Time
68	CCB	0	4	9/24/2025 11:12:37 AM
69	L2558751-34d2 WG2118128	1	40	9/24/2025 11:24:00 AM
70	L2558751-35d2 WG2118128	1	41	9/24/2025 11:26:17 AM
71	L2558751-36d2 WG2118128	1	42	9/24/2025 11:28:22 AM
72	L2558751-38d2 WG2118128	1	43	9/24/2025 11:30:27 AM
73	L2558751-39d2 WG2118128	1	44	9/24/2025 11:32:32 AM
74	L2558751-40d2 WG2118128	1	45	9/24/2025 11:34:36 AM
75	LDR Zn 30	1	46	9/24/2025 11:39:11 AM
76	CCV	0	3	9/24/2025 11:41:16 AM
77	CCB	0	4	9/24/2025 11:43:21 AM
78	WG2116757-1 WG2116757	1	47	9/24/2025 12:07:38 PM
79	WG2116757-2d2 WG2116757	1	48	9/24/2025 12:09:55 PM
80	L2557295-04d2 WG2116757	1	54	9/24/2025 12:12:02 PM
81	L2557321-01d2 WG2116757	1	55	9/24/2025 12:14:06 PM
82	L2557348-01d2 WG2116757	1	56	9/24/2025 12:16:11 PM
83	L2557440-01d2 WG2116757	1	49	9/24/2025 12:18:16 PM
84	WG2116757-3d2 WG2116757	1	50	9/24/2025 12:20:21 PM
85	WG2116757-4d2 WG2116757	1	51	9/24/2025 12:22:26 PM
86	WG2116757-5d2 WG2116757	1	52	9/24/2025 12:24:31 PM
87	WG2116757-6d10 WG2116757	1	53	9/24/2025 12:26:36 PM
88	CCV	0	3	9/24/2025 12:28:41 PM
89	CCB	0	4	9/24/2025 12:30:46 PM
90	L2557433-01d2 WG2116757	1	57	9/24/2025 12:56:07 PM
91	L2557433-02d2 WG2116757	1	58	9/24/2025 12:58:18 PM
92	L2557433-03d2 WG2116757	1	59	9/24/2025 1:00:23 PM
93	L2557433-04d2 WG2116757	1	60	9/24/2025 1:02:28 PM
94	L2557433-05d2 WG2116757	2	1	9/24/2025 1:04:33 PM
95	L2557433-06d2 WG2116757	2	2	9/24/2025 1:06:38 PM
96	L2557433-07d2 WG2116757	2	3	9/24/2025 1:08:43 PM
97	L2557433-08d2 WG2116757	2	4	9/24/2025 1:10:48 PM
98	L2557440-02d2 WG2116757	2	5	9/24/2025 1:12:53 PM
99	L2557440-03d2 WG2116757	2	6	9/24/2025 1:14:58 PM
100	CCV	0	3	9/24/2025 1:17:03 PM
101	CCB	0	4	9/24/2025 1:19:08 PM
102	LLOQ .01	4	2	9/24/2025 1:22:53 PM
103	L2557440-04d2 WG2116757	2	7	9/24/2025 1:24:58 PM
104	L2557440-05d2 WG2116757	2	8	9/24/2025 1:27:03 PM
105	L2557440-06d2 WG2116757	2	9	9/24/2025 1:29:09 PM
106	L2557440-07d2 WG2116757	2	10	9/24/2025 1:31:14 PM
107	eL2558002-01d2 WG2116757	2	11	9/24/2025 1:33:19 PM
108	eL2558002-02d2 WG2116757	2	12	9/24/2025 1:35:26 PM
109	CCV	0	3	9/24/2025 1:37:31 PM
110	CCB	0	4	9/24/2025 1:39:37 PM
111	WG2118729-1 WG2118729	2	15	9/24/2025 1:50:23 PM
112	WG2118729-2 WG2118729	2	16	9/24/2025 1:52:38 PM
113	L2559562-01d5 WG2118729	2	22	9/24/2025 1:54:45 PM
114	zL2559562-01d10 WG2118729	2	23	9/24/2025 1:56:52 PM
115	L2559596-01 WG2118729	2	17	9/24/2025 1:58:58 PM
116	WG2118729-3 WG2118729	2	18	9/24/2025 2:01:03 PM
117	WG2118729-4 WG2118729	2	19	9/24/2025 2:03:09 PM
118	WG2118729-5 WG2118729	2	20	9/24/2025 2:05:14 PM
119	WG2118729-6d5 WG2118729	2	21	9/24/2025 2:07:20 PM
120	CCV	0	3	9/24/2025 2:09:26 PM
121	CCB	0	4	9/24/2025 2:11:32 PM
122	L2558002-01d4 WG2116757	2	13	9/24/2025 2:16:33 PM
123	L2558002-02d4 WG2116757	2	14	9/24/2025 2:18:55 PM
124	CCV	0	3	9/24/2025 2:21:01 PM
125	CCB	0	4	9/24/2025 2:23:07 PM
126	L2560023-01 WG2118729	2	24	9/24/2025 4:23:01 PM
127	L2560023-02 WG2118729	2	25	9/24/2025 4:25:22 PM
128	CCV	0	3	9/24/2025 4:28:59 PM
129	CCB	0	4	9/24/2025 4:31:05 PM
130	L2557691-27 WG2114950	2	26	9/24/2025 4:35:45 PM
131	L2557875-06 WG2114950	2	27	9/24/2025 4:38:14 PM
132	L2557790-01 WG2114950	2	28	9/24/2025 4:40:23 PM
133	CCV	0	3	9/24/2025 4:43:39 PM
134	CCB	0	4	9/24/2025 4:45:46 PM
135	WG2115410-1 WG2115410	2	29	9/24/2025 5:24:26 PM
136	WG2115410-2 WG2115410	2	30	9/24/2025 5:26:45 PM
137	L2556676-09 WG2115410	2	31	9/24/2025 5:28:55 PM
138	WG2115410-3 WG2115410	2	32	9/24/2025 5:31:14 PM
139	WG2115410-4 WG2115410	2	33	9/24/2025 5:33:20 PM
140	WG2115410-5 WG2115410	2	34	9/24/2025 5:35:27 PM

Sequence Trace 11

9/25/2025 5:32:17 PM



Index	Label	Rack Number	Vial Numbers	Start Time
141	WG2115410-6d5 WG2115410	2	35	9/24/2025 5:37:33 PM
142	L2556676-02 WG2115410	2	36	9/24/2025 5:39:39 PM
143	L2556676-03 WG2115410	2	37	9/24/2025 5:41:45 PM
144	L2556676-04 WG2115410	2	38	9/24/2025 5:43:51 PM
145	CCV	0	3	9/24/2025 6:15:17 PM
146	CCB	0	4	9/24/2025 6:17:34 PM
147	L2556676-05 WG2115410	2	39	9/24/2025 6:22:11 PM
148	L2556676-06 WG2115410	2	40	9/24/2025 6:24:33 PM
149	L2556676-07 WG2115410	2	41	9/24/2025 6:26:48 PM
150	L2556676-08 WG2115410	2	42	9/24/2025 6:28:56 PM
151	L2556676-10 WG2115410	2	43	9/24/2025 6:31:02 PM
152	L2556676-11 WG2115410	2	44	9/24/2025 6:33:09 PM
153	L2556676-12 WG2115410	2	45	9/24/2025 6:35:15 PM
154	L2557536-01 WG2115410	2	46	9/24/2025 6:37:23 PM
155	L2557710-01 WG2115410	2	47	9/24/2025 6:39:29 PM
156	L2557745-01 WG2115410	2	48	9/24/2025 6:41:36 PM
157	CCV	0	3	9/24/2025 6:44:03 PM
158	CCB	0	4	9/24/2025 6:46:20 PM
159	L2557754-01 WG2115410	2	49	9/24/2025 7:26:49 PM
160	L2557758-01 WG2115410	2	50	9/24/2025 7:29:04 PM
161	L2557592-01 WG2116826	2	51	9/24/2025 7:31:10 PM
162	L2557795-01 WG2116826	2	52	9/24/2025 7:33:16 PM
163	L2557949-01 WG2116826	2	53	9/24/2025 7:35:22 PM
164	CCV	0	3	9/24/2025 7:47:51 PM
165	CCB	0	4	9/24/2025 7:50:26 PM
166	Aborted Injection	2	54	9/24/2025 8:04:55 PM
167	L2557605-01d2 WG2117170	2	54	9/24/2025 9:10:16 PM
168	eL2557605-02d2 WG2117170	2	55	9/24/2025 9:13:04 PM
169	L2557605-03d2 WG2117170	2	56	9/24/2025 9:15:15 PM
170	L2557605-04d2 WG2117170	2	57	9/24/2025 9:17:20 PM
171	L2557605-05d2 WG2117170	2	58	9/24/2025 9:19:26 PM
172	L2557605-06d2 WG2117170	2	59	9/24/2025 9:34:50 PM
173	L2557605-07d2 WG2117170	2	60	9/24/2025 9:37:06 PM
174	eL2557605-08d2 WG2117170	3	1	9/24/2025 9:39:12 PM
175	eL2557605-09d2 WG2117170	3	2	9/24/2025 9:41:18 PM
176	eL2557605-10d2 WG2117170	3	3	9/24/2025 9:43:24 PM
177	CCV	0	3	9/24/2025 9:54:35 PM
178	CCB	0	4	9/24/2025 9:56:51 PM
179	L2557703-01d2 WG2117170	3	4	9/24/2025 9:59:57 PM
180	L2557703-02d2 WG2117170	3	5	9/24/2025 10:02:04 PM
181	L2557725-01d2 WG2117170	3	6	9/24/2025 10:04:09 PM
182	L2557852-02d2 WG2117170	3	7	9/24/2025 10:06:15 PM
183	L2557852-04d2 WG2117170	3	8	9/24/2025 10:08:21 PM
184	eL2558429-02d2 WG2117170	3	9	9/24/2025 10:10:27 PM
185	L2558429-03d2 WG2117170	3	10	9/24/2025 10:12:33 PM
186	L2558429-04d2 WG2117170	3	11	9/24/2025 10:14:39 PM
187	L2557605-02d10 WG2117170	3	12	9/24/2025 10:16:45 PM
188	L2557605-08d10 WG2117170	3	14	9/24/2025 10:18:51 PM
189	CCV	0	3	9/24/2025 10:21:30 PM
190	CCB	0	4	9/24/2025 10:23:36 PM
191	LDR 1,000 Ca	3	13	9/24/2025 10:28:43 PM
192	L2557605-09d10 WG2117170	3	15	9/24/2025 10:33:07 PM
193	L2557605-10d10 WG2117170	3	16	9/24/2025 10:35:17 PM
194	L2558429-02d10 WG2117170	3	17	9/24/2025 10:37:23 PM
195	CCV	0	3	9/24/2025 10:39:41 PM
196	CCB	0	4	9/24/2025 10:46:55 PM
197	WG2118566-1 WG2118566	3	18	9/24/2025 10:55:43 PM
198	WG2118566-2d2 WG2118566	3	19	9/24/2025 10:58:00 PM
199	eL2559451-01d2 WG2118566	3	20	9/24/2025 11:00:06 PM
200	eWG2118566-3d2 WG2118566	3	21	9/24/2025 11:02:13 PM
201	eWG2118566-4d2 WG2118566	3	22	9/24/2025 11:04:19 PM
202	eWG2118566-5d2 WG2118566	3	23	9/24/2025 11:06:25 PM
203	eWG2118566-6d10 WG2118566	3	24	9/24/2025 11:08:32 PM
204	L2558856-01d2 WG2118566	3	25	9/24/2025 11:10:38 PM
205	L2558867-01d2 WG2118566	3	26	9/24/2025 11:12:45 PM
206	L2558867-06d2 WG2118566	3	27	9/24/2025 11:14:52 PM
207	CCV	0	3	9/24/2025 11:16:58 PM
208	CCB	0	4	9/24/2025 11:19:05 PM
209	L2559046-02d2 WG2118566	3	28	9/24/2025 11:21:11 PM
210	L2559046-04d2 WG2118566	3	29	9/24/2025 11:23:18 PM
211	eL2559451-02d2 WG2118566	3	30	9/24/2025 11:25:25 PM
212	eL2559451-03d2 WG2118566	3	31	9/24/2025 11:27:31 PM
213	eL2559451-04d2 WG2118566	3	32	9/24/2025 11:29:38 PM

Sequence Trace 11

9/25/2025 5:32:17 PM



Index	Label	Rack Number	Vial Numbers	Start Time
214	eL2559451-05d2 WG2118566	3	33	9/24/2025 11:31:44 PM
215	eL2559451-06d2 WG2118566	3	34	9/24/2025 11:33:51 PM
216	eL2559451-07d2 WG2118566	3	35	9/24/2025 11:35:57 PM
217	L2559451-08d2 WG2118566	3	36	9/24/2025 11:38:04 PM
218	eL2559451-09d2 WG2118566	3	37	9/24/2025 11:40:10 PM
219	CCV	0	3	9/24/2025 11:42:17 PM
220	CCB	0	4	9/24/2025 11:44:24 PM
221	L2559451-10d2 WG2118566	3	38	9/24/2025 11:46:30 PM
222	eL2559451-11d2 WG2118566	3	39	9/24/2025 11:48:37 PM
223	eL2559451-12d2 WG2118566	3	40	9/24/2025 11:50:44 PM
224	eL2559451-13d2 WG2118566	3	41	9/24/2025 11:52:51 PM
225	L2559451-14d2 WG2118566	3	42	9/24/2025 11:54:58 PM
226	L2559646-05d2 WG2118566	3	43	9/24/2025 11:57:04 PM
227	CCV	0	3	9/24/2025 11:59:11 PM
228	CCB	0	4	9/25/2025 12:01:17 AM
229	CCV	0	3	9/25/2025 12:03:25 AM
230	CCB	0	4	9/25/2025 12:05:31 AM

Sequence Trace 6

9/25/2025 12:44:04 PM



LabBook: WG2119193_09242025T6.imexp

Index:	Label:	Rack	Vial	Start time:
1	xBlank ZPC Trace6	0	1	9/24/2025 4:22:23 PM
2	xICAL	0	2	9/24/2025 4:28:59 PM
3	Blank ZPC Trace6	0	1	9/24/2025 4:42:38 PM
4	ICAL	0	2	9/24/2025 4:49:14 PM
5	ICV	0	3	9/24/2025 4:55:25 PM
6	ICB	0	4	9/24/2025 5:01:42 PM
7	ICV	0	10	9/24/2025 5:08:20 PM
8	ICB	0	4	9/24/2025 5:14:42 PM
9	LLOQ RL Check	0	5	9/24/2025 5:21:23 PM
10	ICSA	0	6	9/24/2025 5:28:00 PM
11	SIC Cr Mn V Ti	0	7	9/24/2025 5:35:00 PM
12	LDR 500 Mg pass	1	1	9/24/2025 5:42:30 PM
13	xIEC 500 Al	1	2	9/24/2025 5:49:14 PM
14	IEC 200 Fe Cd+	1	3	9/24/2025 6:00:03 PM
15	LDR Check	0	8	9/24/2025 6:06:46 PM
16	CCV	0	3	9/24/2025 6:20:43 PM
17	CCB	0	4	9/24/2025 6:27:01 PM
18	WG2116111-1 WG2116111	1	4	9/24/2025 6:39:39 PM
19	WG2116111-2 WG2116111	1	5	9/24/2025 6:46:15 PM
20	L2558253-01 WG2116111	1	6	9/24/2025 6:52:40 PM
21	WG2116111-3 WG2116111	1	7	9/24/2025 6:59:12 PM
22	WG2116111-4 WG2116111	1	8	9/24/2025 7:05:35 PM
23	WG2116111-5 WG2116111	1	9	9/24/2025 7:12:08 PM
24	WG2116111-6d5 WG2116111	1	10	9/24/2025 7:18:31 PM
25	L2558253-02 WG2116111	1	11	9/24/2025 7:25:04 PM
26	L2558253-03 WG2116111	1	12	9/24/2025 7:31:38 PM
27	L2558253-04 WG2116111	1	13	9/24/2025 7:38:12 PM
28	CCV	0	3	9/24/2025 7:44:42 PM
29	CCB	0	4	9/24/2025 7:51:00 PM
30	L2558253-05 WG2116111	1	14	9/24/2025 7:59:17 PM
31	L2558407-01 WG2116111	1	15	9/24/2025 8:05:48 PM
32	L2557733-01d4 WG2116756	1	16	9/24/2025 8:12:27 PM
33	L2556933-01 WG2115665	1	17	9/24/2025 8:18:59 PM
34	eL2557828-01 WG2115665	1	18	9/24/2025 8:25:38 PM
35	L2557828-02 WG2115665	1	19	9/24/2025 8:32:26 PM
36	L2557828-04 WG2115665	1	20	9/24/2025 8:39:06 PM
37	eL2557836-01 WG2115665	1	21	9/24/2025 8:45:46 PM
38	CCV	0	3	9/24/2025 8:52:36 PM
39	CCB	0	4	9/24/2025 8:58:54 PM
40	WG2114996-1 WG2114996	1	22	9/24/2025 9:14:04 PM
41	L2557828-01d2 WG2115665	1	44	9/24/2025 9:20:41 PM
42	eL2557836-01d5 WG2115665	1	45	9/24/2025 9:27:22 PM
43	L2557836-01d10 WG2115665	1	46	9/24/2025 9:58:51 PM
44	WG2114996-2 WG2114996	1	23	9/24/2025 10:05:33 PM
45	L2556676-09 WG2114996	1	24	9/24/2025 10:11:54 PM
46	WG2114996-3 WG2114996	1	25	9/24/2025 10:18:28 PM
47	WG2114996-4 WG2114996	1	26	9/24/2025 10:24:50 PM
48	WG2114996-5 WG2114996	1	27	9/24/2025 10:31:12 PM
49	WG2114996-6d5 WG2114996	1	28	9/24/2025 10:37:29 PM
50	CCV	0	3	9/24/2025 10:44:03 PM
51	CCB	0	4	9/24/2025 10:50:20 PM
52	L2556676-02 WG2114996	1	34	9/24/2025 11:07:15 PM
53	L2556676-03 WG2114996	1	35	9/24/2025 11:13:48 PM
54	L2556676-04 WG2114996	1	36	9/24/2025 11:20:22 PM
55	L2556676-10 WG2114996	1	29	9/24/2025 11:26:57 PM
56	WG2114996-7 WG2114996	1	30	9/24/2025 11:33:29 PM
57	WG2114996-8 WG2114996	1	31	9/24/2025 11:39:49 PM
58	WG2114996-9 WG2114996	1	32	9/24/2025 11:46:22 PM
59	WG2114996-10d5 WG2114996	1	33	9/24/2025 11:52:40 PM
60	L2556676-05 WG2114996	1	37	9/24/2025 11:59:15 PM
61	L2556676-06 WG2114996	1	38	9/25/2025 12:05:48 AM
62	CCV	0	3	9/25/2025 12:12:20 AM
63	CCB	0	4	9/25/2025 12:18:41 AM
64	L2556676-07 WG2114996	1	39	9/25/2025 12:25:19 AM
65	L2556676-08 WG2114996	1	40	9/25/2025 12:31:50 AM
66	L2556676-11 WG2114996	1	41	9/25/2025 12:38:23 AM
67	L2556676-12 WG2114996	1	42	9/25/2025 12:44:55 AM
68	L2557600-01 WG2114996	1	43	9/25/2025 12:51:28 AM
69	CCV	0	3	9/25/2025 12:58:01 AM
70	CCB	0	4	9/25/2025 1:04:18 AM
71	xCCV no volume	0	3	9/25/2025 1:10:56 AM
72	xCBB little volume	0	4	9/25/2025 1:17:45 AM

Sequence Trace 6

9/25/2025 12:44:04 PM





METALS ELN REPORT

Workgroup: WG2114996

Digestion										
Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3	tHNO3091525RC	1:1 HCl	tHCL2532131040ARM	METALS	METSPIKE2	IPS, FPS, MIX	METSPIKE2	IPS, FPS, MIX	140, 390

Additional Reagent/Std

Sample/Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol ml	Comments
L2556676-02 SAMP	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556676-03 SAMP	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556676-04 SAMP	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556676-05 SAMP	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556676-06 SAMP	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556676-07 SAMP	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556676-08 SAMP	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556676-09 SAMP	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556676-10 SAMP	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556676-11 SAMP	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	



METALS ELN REPORT

Workgroup: WG2114996

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol ml	Comments
L2556676-12 SAMP	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556911-01 SAMP	09/15/25 20:09	Maisie Mcqueen	09-14-25 21:54	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556911-03 SAMP	09/15/25 20:09	Maisie Mcqueen	09-14-25 21:54	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556911-05 SAMP	09/15/25 20:09	Maisie Mcqueen	09-14-25 21:54	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556911-07 SAMP	09/15/25 20:09	Maisie Mcqueen	09-14-25 21:54	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556911-09 SAMP	09/15/25 20:09	Maisie Mcqueen	09-14-25 21:54	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2556940-03 SAMP	09/15/25 20:09	Maisie Mcqueen	09-11-25 13:41	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2557403-01	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2557403-02	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
L2557600-01 SAMP	09/15/25 20:09	Maisie Mcqueen	09-13-25 20:55	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
WG2114996-1 BLANK	09/15/25 20:09	Maisie Mcqueen	09/11/25 13:41	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	FM2536091019 AJT
WG2114996-2 LCS	09/15/25 20:09	Maisie Mcqueen	NA	50	<2	0.5	09/15/25 20:09	12	94.6	09/15/25 23:09	50	ELN:ALC



METALS ELN REPORT

Workgroup: WG2114996

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol ml	Comments
WG2114996-3 MS	09/15/25 20:09	Maisie Mcqueen	NA	50	<2	0.5	09/15/25 20:09	12	94.6	09/15/25 23:09	50	
WG2114996-4 MSD	09/15/25 20:09	Maisie Mcqueen	NA	50	<2	0.5	09/15/25 20:09	12	94.6	09/15/25 23:09	50	
WG2114996-5 PS	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
WG2114996-6 SERDIL	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
WG2114996-7 MS	09/15/25 20:09	Maisie Mcqueen	NA	50	<2	0.5	09/15/25 20:09	12	94.6	09/15/25 23:09	50	
WG2114996-8 DUP	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
WG2114996-9 PS	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	
WG2114996-10 SERDIL	09/15/25 20:09	Maisie Mcqueen	NA	50	<2		09/15/25 20:09	12	94.6	09/15/25 23:09	50	IPS253429010 6CBP

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml



METALS ELN REPORT

Workgroup: WG2115410

Digestion										
Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3	tHNO3253601 90125AJJ	1:1 HCl	tHCL253504 0113AJJ	METALS	METSPIKE2	IPS, FPS, MIX	METSPIKE2	IPS, FPS, MIX	140, 390

Additional Reagent/Std

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol	Comments
L2556676-02 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2556676-03 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2556676-04 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2556676-05 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2556676-06 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2556676-07 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2556676-08 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2556676-09 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2556676-10 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2556676-11 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	



METALS ELN REPORT

Workgroup: WG2115410

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2556676-12 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2557536-01 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2557710-01 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2557745-01 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2557754-01 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2557758-01 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2558038-01 WATER	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2558089-01 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
L2558089-02 SAMP	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
WG2115410-1 BLANK	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	FM2536091019 AJT
WG2115410-2 LCS	09/16/25 10:48	Andre Visouveth	50	<2	0.5	09/16/25 10:48	12	95.0	09/16/25 12:12	50	
WG2115410-3 MS	09/16/25 10:48	Andre Visouveth	50	<2	0.5	09/16/25 10:48	12	95.0	09/16/25 12:12	50	ELN:AJT



METALS ELN REPORT

Workgroup: WG2115410

Sample/ Type	Digestion Date	Analyst	Sample Vol	Ph	Spike Amt	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
			ml		ml						
WG2115410-4	09/16/25 10:48	Andre Visouveth	50	<2	0.5	09/16/25 10:48	12	95.0	09/16/25 12:12	50	
MSD											
WG2115410-5	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
PS											
WG2115410-6	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
SERDIL											
WG2115410-7	09/16/25 10:48	Andre Visouveth	50	<2	0.5	09/16/25 10:48	12	95.0	09/16/25 12:12	50	
MS											
WG2115410-8	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
DUP											
WG2115410-9	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	
PS											
WG2115410-10	09/16/25 10:48	Andre Visouveth	50	<2		09/16/25 10:48	12	95.0	09/16/25 12:12	50	IPS253429010 6CBP
SERDIL											

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml

Inorganic Data (Mercury Analysis)

Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-02
 Client ID : 3A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2116559.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:40
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 08:39
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-03
 Client ID : 3B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2116559.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:50
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 08:29
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-04
 Client ID : DUP001
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2116559.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:45
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 08:43
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-05
 Client ID : 4A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2116559.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 09:55
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 08:53
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-06
Client ID : 4B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2116559.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 10:55
Date Received : 09/09/25
Date Analyzed : 09/19/25 08:56
Dilution Factor : 1
Analyst : JWN
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-07
 Client ID : 2A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2116559.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:45
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 08:59
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-08
 Client ID : 2B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2116559.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:55
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 09:02
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-09
 Client ID : 8A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2116559.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 12:45
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 08:20
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-10
 Client ID : 8B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2116559.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 13:05
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 09:06
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-11
 Client ID : 9A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2116559.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:10
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 09:09
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-12
 Client ID : 9B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2116559.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:30
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 09:12
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115418-1
Client ID : WG2115418-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2116559.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2556676
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/19/25 08:13
Dilution Factor : 1
Analyst : JWN
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115418-6
Client ID : 3BDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2116559.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:50
Date Received : 09/09/25
Date Analyzed : 09/19/25 08:36
Dilution Factor : 1
Analyst : JWN
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.0001	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-02
 Client ID : 3A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:40
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 11:19
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-03
 Client ID : 3B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:50
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 11:29
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-04
 Client ID : DUP001
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:45
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 11:32
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-05
 Client ID : 4A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 09:55
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 11:35
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-06
 Client ID : 4B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 10:55
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 11:39
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-07
 Client ID : 2A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:45
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 11:42
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-08
 Client ID : 2B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:55
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 10:59
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-09
 Client ID : 8A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 12:45
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 11:09
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-10
 Client ID : 8B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 13:05
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 11:45
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-11
 Client ID : 9A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:10
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 11:49
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-12
 Client ID : 9B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:30
 Date Received : 09/09/25
 Date Analyzed : 09/19/25 11:52
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2114998-1
 Client ID : WG2114998-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/19/25 10:52
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2114998-4
Client ID : 2BDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2117043.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 11:55
Date Received : 09/09/25
Date Analyzed : 09/19/25 11:05
Dilution Factor : 1
Analyst : JWN
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.0001	U



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : NIC3

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)							
	Lab ID	Date Analyzed		Lab ID	Date Analyzed						
	R2012396-1	09/18/25 11:34		R2012396-3	09/18/25 12:45		R2012396-5	09/18/25 13:22		R2012396-7	09/18/25 13:55
	True	Found	%R	True	Found	%R	Found	%R	Found	%R	
Mercury	0.00300	0.0029	97	0.0050	0.00510	102	0.00520	103	0.00520	103	

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : NIC3

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2012396-9 09/18/25 16:35			R2012396-11 09/18/25 17:14		R2012396-13 09/18/25 18:00	
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00520	104	0.00510	102	0.00510	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : NIC3

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2012396-15 09/18/25 18:40			R2012396-17 09/18/25 19:29		R2012396-19 09/18/25 20:09	
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00510	103	0.00510	102	0.00490	99

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : NIC3

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2012396-21 09/18/25 20:48			R2012396-23 09/18/25 22:39		R2012396-25 09/18/25 23:19	
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00500	99	0.00490	99	0.00520	103

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : NIC3

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2012396-27			R2012396-29		R2012396-31	
					09/18/25	23:45		09/19/25	05:48	09/19/25	07:16
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00520	103	0.00520	103	0.00530	106

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : NIC3

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2012396-33 09/19/25 08:46			R2012396-35 09/19/25 09:30			
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00530	105	0.00520	104		

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : NIC3

Lab Number : L2556676
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Lab ID :	R2012977-1			R2012977-3			R2012977-5			
Date Analyzed :	09/19/25 10:02			09/19/25 11:22			09/19/25 12:02			
Mercury	0.00300	0.0029	97	0.0050	0.00520	105	0.00520	104		

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: NIC3		

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID	: R2012396-2		R2012396-4		R2012396-6		R2012396-8	
Date Analyzed:	09/18/25 11:38		09/18/25 12:49		09/18/25 13:25		09/18/25 13:58	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury	0.0000910	U	0.0000910	U	0.0000910	U	0.0000910	U



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: NIC3		

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :			R2012396-10		R2012396-12		R2012396-14	
Date Analyzed :			09/18/25 16:38		09/18/25 17:18		09/18/25 18:03	
Mercury			0.0000910 U		0.0000910 U		0.0000910 U	



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: NIC3		

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID :			R2012396-16		R2012396-18		R2012396-20	
Date Analyzed :			09/18/25 18:43		09/18/25 19:32		09/18/25 20:12	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury			0.0000910	U	0.0000910	U	0.0000910	U



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: NIC3		

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :			R2012396-22		R2012396-24		R2012396-26	
Date Analyzed :			09/18/25 20:52		09/18/25 22:42		09/18/25 23:22	
Mercury			0.0000910 U		0.0000910 U		0.0000910 U	



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: NIC3		

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :			R2012396-28		R2012396-30		R2012396-32	
Date Analyzed :			09/18/25 23:49		09/19/25 05:51		09/19/25 07:20	
Mercury			0.0000910 U		0.0000910 U		0.0000910 U	



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: NIC3		

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID :			R2012396-34		R2012396-36			
Date Analyzed :			09/19/25 08:49		09/19/25 09:33			
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury			0.0000910	U	0.0000910	U		



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: NIC3		

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID	: R2012977-2		R2012977-4 R2012977-6				WG2114998-1	
Date Analyzed:	09/19/25 10:06		09/19/25 11:25 09/19/25 12:05				09/19/25 10:52	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury	0.0000910	U	0.000122	J	0.000121	J	0.00009	U



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 8A
 Lab Sample ID : L2556676-09
 Matrix Spike : WG2115418-3
 Matrix Spike Dup : WG2115418-4

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/19/25 08:23
 MSD Analysis Date : 09/19/25 08:26

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Mercury, Total	ND	0.005	0.00486	97	0.005	0.00489	98	1	70-130	20



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 3B
 Lab Sample ID : L2556676-03
 Matrix Spike : WG2115418-5
 Matrix Spike Dup :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/19/25 08:33
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Mercury, Total	ND	0.005	0.00486	97					70-130	20



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 2B
 Lab Sample ID : L2556676-08
 Matrix Spike : WG2114998-3
 Matrix Spike Dup :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/19/25 11:02
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Mercury, Dissolved	ND	0.005	0.00475	95					75-125	20



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 8A
 Lab Sample ID : L2556676-09
 Matrix Spike : WG2114998-5
 Matrix Spike Dup : WG2114998-6

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/19/25 11:12
 MSD Analysis Date : 09/19/25 11:15

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Mercury, Dissolved	ND	0.005	0.00479	96	0.005	0.00463	93	3	75-125	20



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 3B	Matrix	: WATER
Lab Sample ID	: L2556676-03	Analysis Date	: 09/19/25 08:29
Dup Sample ID	: WG2115418-6	DUP Analysis Date	: 09/19/25 08:36

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Total	ND	ND	NC	20



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 2B	Matrix	: WATER
Lab Sample ID	: L2556676-08	Analysis Date	: 09/19/25 10:59
Dup Sample ID	: WG2114998-4	DUP Analysis Date	: 09/19/25 11:05

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Dissolved	ND	ND	NC	20



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2115418-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/19/25 08:16
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Mercury, Total	0.00100	0.000850	85.					85-115	20



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2114998-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/19/25 10:55
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Mercury, Dissolved	0.00100	0.000920	93.					85-115	20



Form 12

Preparation Log

Client : P. W. Grosser Lab Number : L2556676
Project Name : ROANOKE SAND AND GRAVEL Project Number : BSD1504
Matrix : WATER Prep Method : EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2556676-02	09/16/25 11:34	-	25
L2556676-03	09/16/25 11:34	-	25
L2556676-04	09/16/25 11:34	-	25
L2556676-05	09/16/25 11:34	-	25
L2556676-06	09/16/25 11:34	-	25
L2556676-07	09/16/25 11:34	-	25
L2556676-08	09/16/25 11:34	-	25
L2556676-09	09/16/25 11:34	-	25
L2556676-10	09/16/25 11:34	-	25
L2556676-11	09/16/25 11:34	-	25
L2556676-12	09/16/25 11:34	-	25
WG2115418-1	09/16/25 11:34	-	25
WG2115418-2	09/16/25 11:34	-	25
WG2115418-3	09/16/25 11:34	-	25
WG2115418-4	09/16/25 11:34	-	25
WG2115418-5	09/16/25 11:34	-	25
WG2115418-6	09/16/25 11:34	-	25



Form 12

Preparation Log

Client : P. W. Grosser Lab Number : L2556676
Project Name : ROANOKE SAND AND GRAVEL Project Number : BSD1504
Matrix : WATER Prep Method : EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2556676-02	09/15/25 22:05	-	25
L2556676-03	09/15/25 22:05	-	25
L2556676-04	09/15/25 22:05	-	25
L2556676-05	09/15/25 22:05	-	25
L2556676-06	09/15/25 22:05	-	25
L2556676-07	09/15/25 22:05	-	25
L2556676-08	09/15/25 22:05	-	25
L2556676-09	09/15/25 22:05	-	25
L2556676-10	09/15/25 22:05	-	25
L2556676-11	09/15/25 22:05	-	25
L2556676-12	09/15/25 22:05	-	25
WG2114998-1	09/15/25 22:05	-	25
WG2114998-2	09/15/25 22:05	-	25
WG2114998-3	09/15/25 22:05	-	25
WG2114998-4	09/15/25 22:05	-	25
WG2114998-5	09/15/25 22:05	-	25
WG2114998-6	09/15/25 22:05	-	25



Form 13

Analysis Run Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : NIC3
Start Date : 09/18/25 11:34

Lab Number : L2556676
Project Number : BSD1504
Analysis Method : 3,245.1
End Date : 09/19/25 09:33

[illegible]

Form 13

Analysis Run Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : NIC3
Start Date : 09/18/25 11:34

Lab Number : L2556676
Project Number : BSD1504
Analysis Method : 3,245.1
End Date : 09/19/25 09:33

[illegible]

Form 13

Analysis Run Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : NIC3
Start Date : 09/19/25 10:02

Lab Number : L2556676
Project Number : BSD1504
Analysis Method : 3,245.1
End Date : 09/19/25 12:05

[illegible]

Date Created: 03/19/18
Created By: Jason Hebert
File: PM4631-1
Page: 1

MERCURY by 7470A, 245.1 (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9836-1
Page: 1

METALS by 7470A (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9837-1
Page: 1

METALS by 7471B (SOIL)

[illegible]

Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

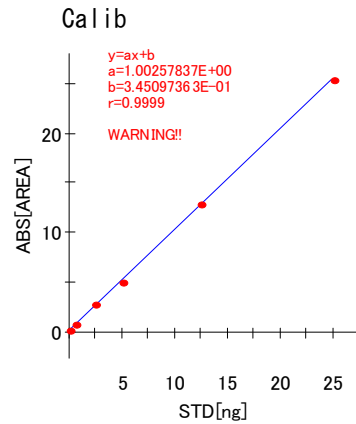
Title :
Date : 09/18/2025
Name :

Method

STD
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time(sec) : 120sec



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.3233	-0.0217	-	09/18/2025 10:50	JWN,NIC3
2	0.200	2.500	2.500	2.500	0.500	0.9100	0.5634	12.7	09/18/2025 10:53	JWN,NIC3
3	1.000	2.500	2.500	2.500	2.500	2.9332	2.5814	3.3	09/18/2025 10:56	JWN,NIC3
4	2.000	2.500	2.500	2.500	5.000	5.1459	4.7885	4.2	09/18/2025 11:00	JWN,NIC3
5	5.000	2.500	2.500	2.500	12.500	12.9886	12.6110	0.9	09/18/2025 11:03	JWN,NIC3
6	10.000	2.500	2.500	2.500	25.000	25.3869	24.9774	0.1	09/18/2025 11:06	JWN,NIC3

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recover [%]	M. TIME	Note
1	XICV	2.500	2.500	2.500	7.4441	7.0807	2.832	-	09/18/2025 11:24	JWN,NIC3
2	XICB	2.500	2.500	2.500	0.3246	-0.0204	-0.008	-	09/18/2025 11:27	JWN,NIC3
3	ICV	2.500	2.500	2.500	7.6423	7.2784	2.911	-	09/18/2025 11:34	JWN,NIC3
4	ICB	2.500	2.500	2.500	0.3362	-0.0089	-0.004	-	09/18/2025 11:38	JWN,NIC3
5	WG2116381-1 WG2116381	2.500	2.500	2.500	0.0335	-0.3108	-0.124	-	09/18/2025 11:43	JWN,NIC3
6	WG2116381-2 WG2116381	2.500	2.500	2.500	2.4876	2.1370	0.855	-	09/18/2025 11:46	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
7	WG2116381-3 WG2116381	2.500	2.500	2.500	2.5270	2.1763	0.871	-	09/18/2025 11:50	JWN,NIC3
8	L2558382-01 WG2116381	2.500	2.500	2.500	0.3595	0.0144	0.006	-	09/18/2025 11:53	JWN,NIC3
9	L2558409-01 WG2116381	2.500	2.500	2.500	0.0355	-0.3088	-0.124	-	09/18/2025 11:56	JWN,NIC3
10	0.2 PPB	2.500	2.500	2.500	1.1007	0.7537	0.301	-	09/18/2025 12:42	JWN,NIC3
11	Check STD(5ug/L)	2.500	2.500	2.500	13.1198	12.7418	5.097	101.9	09/18/2025 12:45	JWN,NIC3
12	Check Blank	2.500	2.500	2.500	0.3609	0.0158	0.006	-	09/18/2025 12:49	JWN,NIC3
13	WG2116471-1 WG2116471	2.500	2.500	2.500	0.0285	-0.3158	-0.126	-	09/18/2025 12:59	JWN,NIC3
14	WG2116471-2 WG2116471	2.500	2.500	2.500	2.4895	2.1389	0.856	-	09/18/2025 13:02	JWN,NIC3
15	L2557802-01 WG2116471	2.500	2.500	2.500	0.0535	-0.2908	-0.116	-	09/18/2025 13:05	JWN,NIC3
16	WG2116471-3 WG2116471	2.500	2.500	2.500	11.8513	11.4766	4.591	-	09/18/2025 13:09	JWN,NIC3
17	WG2116471-4 WG2116471	2.500	2.500	2.500	0.0450	-0.2993	-0.120	-	09/18/2025 13:12	JWN,NIC3
18	L2558288-01 WG2116471	2.500	2.500	2.500	0.0306	-0.3137	-0.125	-	09/18/2025 13:15	JWN,NIC3
19	L2558288-02 WG2116471	2.500	2.500	2.500	0.0322	-0.3121	-0.125	-	09/18/2025 13:19	JWN,NIC3
20	Check STD(5ug/L)	2.500	2.500	2.500	13.2757	12.8973	5.159	103.2	09/18/2025 13:22	JWN,NIC3
21	Check Blank	2.500	2.500	2.500	0.3709	0.0257	0.010	-	09/18/2025 13:25	JWN,NIC3
22	L2557802-02 WG2116471	2.500	2.500	2.500	0.0368	-0.3075	-0.123	-	09/18/2025 13:29	JWN,NIC3
23	L2557802-03 WG2116471	2.500	2.500	2.500	0.0397	-0.3046	-0.122	-	09/18/2025 13:32	JWN,NIC3
24	L2557802-04 WG2116471	2.500	2.500	2.500	0.0389	-0.3054	-0.122	-	09/18/2025 13:35	JWN,NIC3
25	L2557985-01 WG2116471	2.500	2.500	2.500	0.0367	-0.3076	-0.123	-	09/18/2025 13:39	JWN,NIC3
26	L2557985-03 WG2116471	2.500	2.500	2.500	0.0311	-0.3132	-0.125	-	09/18/2025 13:42	JWN,NIC3
27	L2557985-05 WG2116471	2.500	2.500	2.500	0.0355	-0.3088	-0.124	-	09/18/2025 13:45	JWN,NIC3
28	L2557985-07 WG2116471	2.500	2.500	2.500	0.0354	-0.3089	-0.124	-	09/18/2025 13:48	JWN,NIC3
29	L2557985-09 WG2116471	2.500	2.500	2.500	0.0337	-0.3106	-0.124	-	09/18/2025 13:52	JWN,NIC3
30	Check STD(5ug/L)	2.500	2.500	2.500	13.2836	12.9052	5.162	103.2	09/18/2025 13:55	JWN,NIC3
31	Check Blank	2.500	2.500	2.500	0.3922	0.0470	0.019	-	09/18/2025 13:58	JWN,NIC3
32	WG2115669-1 WG2115669	2.500	2.500	2.500	0.0499	-0.2944	-0.118	-	09/18/2025 16:12	JWN,NIC3
33	XWG2115669-2 WG2115669	2.500	2.500	2.500	2.4010	2.0506	0.820	-	09/18/2025 16:15	JWN,NIC3
34	L2557076-04 WG2115669	2.500	2.500	2.500	0.0601	-0.2843	-0.114	-	09/18/2025 16:18	JWN,NIC3
35	WG2115669-3 WG2115669	2.500	2.500	2.500	11.7237	11.3493	4.540	-	09/18/2025 16:22	JWN,NIC3
36	WG2115669-4 WG2115669	2.500	2.500	2.500	0.0588	-0.2856	-0.114	-	09/18/2025 16:25	JWN,NIC3
37	L2557076-05 WG2115669	2.500	2.500	2.500	0.0523	-0.2920	-0.117	-	09/18/2025 16:28	JWN,NIC3
38	WG2115669-5 WG2115669	2.500	2.500	2.500	11.9220	11.5471	4.619	-	09/18/2025 16:32	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
39	Check STD(5ug/L)	2.500	2.500	2.500	13.3466	12.9681	5.187	103.7	09/18/2025 16:35	JWN,NIC3
40	Check Blank	2.500	2.500	2.500	0.3742	0.0290	0.012	-	09/18/2025 16:38	JWN,NIC3
41	WG2115669-6 WG2115669	2.500	2.500	2.500	0.0534	-0.2909	-0.116	-	09/18/2025 16:42	JWN,NIC3
42	L2557794-01 WG2115669	2.500	2.500	2.500	0.0587	-0.2857	-0.114	-	09/18/2025 16:45	JWN,NIC3
43	WG2116580-1 WG2116580	2.500	2.500	2.500	0.0266	-0.3177	-0.127	-	09/18/2025 16:48	JWN,NIC3
44	WG2116580-2 WG2116580	2.500	2.500	2.500	2.4245	2.0741	0.830	-	09/18/2025 16:51	JWN,NIC3
45	L2557253-01 WG2116580	2.500	2.500	2.500	0.0901	-0.2543	-0.102	-	09/18/2025 16:55	JWN,NIC3
46	WG2116580-3 WG2116580	2.500	2.500	2.500	11.7936	11.4191	4.568	-	09/18/2025 16:58	JWN,NIC3
47	WG2116580-4 WG2116580	2.500	2.500	2.500	0.0851	-0.2593	-0.104	-	09/18/2025 17:01	JWN,NIC3
48	L2558093-03 WG2116580	2.500	2.500	2.500	0.0625	-0.2819	-0.113	-	09/18/2025 17:05	JWN,NIC3
49	L2558093-06 WG2116580	2.500	2.500	2.500	0.0964	-0.2481	-0.099	-	09/18/2025 17:08	JWN,NIC3
50	L2558093-09 WG2116580	2.500	2.500	2.500	0.0907	-0.2537	-0.101	-	09/18/2025 17:11	JWN,NIC3
51	Check STD(5ug/L)	2.500	2.500	2.500	13.1624	12.7843	5.114	102.3	09/18/2025 17:14	JWN,NIC3
52	Check Blank	2.500	2.500	2.500	0.4628	0.1174	0.047	-	09/18/2025 17:18	JWN,NIC3
53	L2558093-13 WG2116580	2.500	2.500	2.500	0.0773	-0.2671	-0.107	-	09/18/2025 17:21	JWN,NIC3
54	WG2116457-1 WG2116457	2.500	2.500	2.500	0.0279	-0.3164	-0.127	-	09/18/2025 17:30	JWN,NIC3
55	WG2116457-2 WG2116457	2.500	2.500	2.500	2.5085	2.1578	0.863	-	09/18/2025 17:34	JWN,NIC3
56	L2557824-01 WG2116457	2.500	2.500	2.500	0.0475	-0.2968	-0.119	-	09/18/2025 17:37	JWN,NIC3
57	WG2116457-3 WG2116457	2.500	2.500	2.500	12.4741	12.0978	4.839	-	09/18/2025 17:40	JWN,NIC3
58	WG2116457-4 WG2116457	2.500	2.500	2.500	0.0532	-0.2911	-0.116	-	09/18/2025 17:43	JWN,NIC3
59	L2557824-02 WG2116457	2.500	2.500	2.500	0.1927	-0.1520	-0.061	-	09/18/2025 17:47	JWN,NIC3
60	L2558770-01 WG2116457	2.500	2.500	2.500	0.0335	-0.3108	-0.124	-	09/18/2025 17:50	JWN,NIC3
61	L2558770-02 WG2116457	2.500	2.500	2.500	0.0360	-0.3083	-0.123	-	09/18/2025 17:53	JWN,NIC3
62	WG2115669-2 WG2115669	2.500	2.500	2.500	2.5494	2.1986	0.879	-	09/18/2025 17:57	JWN,NIC3
63	Check STD(5ug/L)	2.500	2.500	2.500	13.1610	12.7829	5.113	102.3	09/18/2025 18:00	JWN,NIC3
64	Check Blank	2.500	2.500	2.500	0.4633	0.1179	0.047	-	09/18/2025 18:03	JWN,NIC3
65	WG2116422-2 WG2116422	2.500	2.500	2.500	2.4756	2.1250	0.850	-	09/18/2025 18:07	JWN,NIC3
66	L2557289-01 WG2116422	2.500	2.500	2.500	0.0213	-0.3230	-0.129	-	09/18/2025 18:10	JWN,NIC3
67	WG2116422-3 WG2116422	2.500	2.500	2.500	12.1294	11.7540	4.702	-	09/18/2025 18:13	JWN,NIC3
68	WG2116422-4 WG2116422	2.500	2.500	2.500	0.0330	-0.3113	-0.125	-	09/18/2025 18:16	JWN,NIC3
69	L2557289-02 WG2116422	2.500	2.500	2.500	0.0329	-0.3114	-0.125	-	09/18/2025 18:20	JWN,NIC3
70	L2557289-03 WG2116422	2.500	2.500	2.500	0.0299	-0.3144	-0.126	-	09/18/2025 18:23	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recover [%]	M. TIME	Note
71	L2557289-04 WG2116422	2.500	2.500	2.500	0.0320	-0.3123	-0.125	-	09/18/2025 18:26	JWN,NIC3
72	L2557289-06 WG2116422	2.500	2.500	2.500	0.0406	-0.3037	-0.121	-	09/18/2025 18:30	JWN,NIC3
73	L2557289-07 WG2116422	2.500	2.500	2.500	0.2093	-0.1354	-0.054	-	09/18/2025 18:33	JWN,NIC3
74	L2557289-08 WG2116422	2.500	2.500	2.500	0.1552	-0.1894	-0.076	-	09/18/2025 18:36	JWN,NIC3
75	Check STD(5ug/L)	2.500	2.500	2.500	13.2038	12.8256	5.130	102.6	09/18/2025 18:40	JWN,NIC3
76	Check Blank	2.500	2.500	2.500	0.4656	0.1202	0.048	-	09/18/2025 18:43	JWN,NIC3
77	WG2116422-1 WG2116422	2.500	2.500	2.500	0.0242	-0.3201	-0.128	-	09/18/2025 18:46	JWN,NIC3
78	WG2116590-1 WG2116590	2.500	2.500	2.500	0.0531	-0.2912	-0.116	-	09/18/2025 18:59	JWN,NIC3
79	WG2116590-2 WG2116590	2.500	2.500	2.500	2.5118	2.1611	0.864	-	09/18/2025 19:02	JWN,NIC3
80	L2558272-01 WG2116590	2.500	2.500	2.500	0.0502	-0.2941	-0.118	-	09/18/2025 19:05	JWN,NIC3
81	WG2116590-3 WG2116590	2.500	2.500	2.500	12.2070	11.8314	4.733	-	09/18/2025 19:09	JWN,NIC3
82	WG2116590-4 WG2116590	2.500	2.500	2.500	0.0499	-0.2944	-0.118	-	09/18/2025 19:12	JWN,NIC3
83	WG2116287-1 WG2116287	2.500	2.500	2.500	0.0322	-0.3121	-0.125	-	09/18/2025 19:15	JWN,NIC3
84	WG2116287-2 WG2116287	2.500	2.500	2.500	2.5464	2.1956	0.878	-	09/18/2025 19:19	JWN,NIC3
85	L2558533-01 WG2116287	2.500	2.500	2.500	0.0355	-0.3088	-0.124	-	09/18/2025 19:22	JWN,NIC3
86	WG2116287-3 WG2116287	2.500	2.500	2.500	12.4971	12.1208	4.848	-	09/18/2025 19:25	JWN,NIC3
87	Check STD(5ug/L)	2.500	2.500	2.500	13.1793	12.8012	5.120	102.4	09/18/2025 19:29	JWN,NIC3
88	Check Blank	2.500	2.500	2.500	0.4708	0.1254	0.050	-	09/18/2025 19:32	JWN,NIC3
89	WG2116287-4 WG2116287	2.500	2.500	2.500	0.0457	-0.2986	-0.119	-	09/18/2025 19:35	JWN,NIC3
90	L2558533-02 WG2116287	2.500	2.500	2.500	0.0426	-0.3017	-0.121	-	09/18/2025 19:39	JWN,NIC3
91	L2558533-03 WG2116287	2.500	2.500	2.500	0.0408	-0.3035	-0.121	-	09/18/2025 19:42	JWN,NIC3
92	L2558533-04 WG2116287	2.500	2.500	2.500	0.0384	-0.3059	-0.122	-	09/18/2025 19:45	JWN,NIC3
93	L2558533-05 WG2116287	2.500	2.500	2.500	0.0433	-0.3010	-0.120	-	09/18/2025 19:49	JWN,NIC3
94	L2558533-06 WG2116287	2.500	2.500	2.500	0.1104	-0.2341	-0.094	-	09/18/2025 19:52	JWN,NIC3
95	L2558533-07 WG2116287	2.500	2.500	2.500	0.0891	-0.2553	-0.102	-	09/18/2025 19:55	JWN,NIC3
96	L2558533-08 WG2116287	2.500	2.500	2.500	0.0364	-0.3079	-0.123	-	09/18/2025 19:59	JWN,NIC3
97	L2558533-09 WG2116287	2.500	2.500	2.500	0.0363	-0.3080	-0.123	-	09/18/2025 20:02	JWN,NIC3
98	L2558533-11 WG2116287	2.500	2.500	2.500	0.0335	-0.3108	-0.124	-	09/18/2025 20:05	JWN,NIC3
99	Check STD(5ug/L)	2.500	2.500	2.500	12.7225	12.3456	4.938	98.8	09/18/2025 20:09	JWN,NIC3
100	Check Blank	2.500	2.500	2.500	0.4733	0.1279	0.051	-	09/18/2025 20:12	JWN,NIC3
101	L2558533-12 WG2116287	2.500	2.500	2.500	0.0338	-0.3105	-0.124	-	09/18/2025 20:15	JWN,NIC3
102	L2557290-01 WG2115512	2.500	2.500	2.500	0.0822	-0.2622	-0.105	-	09/18/2025 20:19	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
103	L2557290-02 WG2115512	2.500	2.500	2.500	0.4056	0.0603	0.024	-	09/18/2025 20:22	JWN,NIC3
104	L2557290-03 WG2115512	2.500	2.500	2.500	0.0690	-0.2754	-0.110	-	09/18/2025 20:25	JWN,NIC3
105	L2557290-04 WG2115512	2.500	2.500	2.500	0.0716	-0.2728	-0.109	-	09/18/2025 20:28	JWN,NIC3
106	L2557290-05 WG2115512	2.500	2.500	2.500	0.0875	-0.2569	-0.103	-	09/18/2025 20:32	JWN,NIC3
107	L2557290-06 WG2115512	2.500	2.500	2.500	0.0709	-0.2735	-0.109	-	09/18/2025 20:35	JWN,NIC3
108	L2557290-07 WG2115512	2.500	2.500	2.500	0.0797	-0.2647	-0.106	-	09/18/2025 20:38	JWN,NIC3
109	L2557290-08 WG2115512	2.500	2.500	2.500	0.0707	-0.2737	-0.109	-	09/18/2025 20:42	JWN,NIC3
110	L2558026-01 WG2115512	2.500	2.500	2.500	0.0789	-0.2655	-0.106	-	09/18/2025 20:45	JWN,NIC3
111	Check STD(5ug/L)	2.500	2.500	2.500	12.7779	12.4008	4.960	99.2	09/18/2025 20:48	JWN,NIC3
112	Check Blank	2.500	2.500	2.500	0.0051	-0.3391	-0.136	-	09/18/2025 20:52	JWN,NIC3
113	L2558026-02 WG2115512	2.500	2.500	2.500	0.0696	-0.2748	-0.110	-	09/18/2025 20:55	JWN,NIC3
114	L2558026-03 WG2115512	2.500	2.500	2.500	0.0699	-0.2745	-0.110	-	09/18/2025 20:58	JWN,NIC3
115	L2558026-04 WG2115512	2.500	2.500	2.500	0.0711	-0.2733	-0.109	-	09/18/2025 21:01	JWN,NIC3
116	L2558093-14 WG2115512	2.500	2.500	2.500	0.0707	-0.2737	-0.109	-	09/18/2025 21:05	JWN,NIC3
117	L2558093-15 WG2115512	2.500	2.500	2.500	0.1039	-0.2406	-0.096	-	09/18/2025 21:08	JWN,NIC3
118	L2558093-17 WG2115512	2.500	2.500	2.500	0.0706	-0.2738	-0.110	-	09/18/2025 21:11	JWN,NIC3
119	L2558093-18 WG2115512	2.500	2.500	2.500	0.0658	-0.2786	-0.111	-	09/18/2025 21:15	JWN,NIC3
120	L2558093-19 WG2115512	2.500	2.500	2.500	0.0644	-0.2800	-0.112	-	09/18/2025 21:18	JWN,NIC3
121	WG2115371-1 WG2115371	2.500	2.500	2.500	0.1307	-0.2138	-0.086	-	09/18/2025 22:32	JWN,NIC3
122	WG2115371-2 WG2115371	2.500	2.500	2.500	2.5861	2.2352	0.894	-	09/18/2025 22:36	JWN,NIC3
123	Check STD(5ug/L)	2.500	2.500	2.500	12.7055	12.3286	4.931	98.6	09/18/2025 22:39	JWN,NIC3
124	Check Blank	2.500	2.500	2.500	0.0041	-0.3401	-0.136	-	09/18/2025 22:42	JWN,NIC3
125	L2557776-01 WG2115371	2.500	2.500	2.500	0.1670	-0.1776	-0.071	-	09/18/2025 22:46	JWN,NIC3
126	WG2115371-3 WG2115371	2.500	2.500	2.500	12.4596	12.0833	4.833	-	09/18/2025 22:49	JWN,NIC3
127	WG2115371-4 WG2115371	2.500	2.500	2.500	0.1343	-0.2103	-0.084	-	09/18/2025 22:53	JWN,NIC3
128	L2557776-02 WG2115371	2.500	2.500	2.500	0.1984	-0.1463	-0.059	-	09/18/2025 22:56	JWN,NIC3
129	L2557776-04 WG2115371	2.500	2.500	2.500	0.3174	-0.0276	-0.011	-	09/18/2025 22:59	JWN,NIC3
130	L2557776-05 WG2115371	2.500	2.500	2.500	0.3710	0.0258	0.010	-	09/18/2025 23:02	JWN,NIC3
131	L2557776-06 WG2115371	2.500	2.500	2.500	0.2737	-0.0712	-0.028	-	09/18/2025 23:06	JWN,NIC3
132	L2557776-07 WG2115371	2.500	2.500	2.500	0.2520	-0.0929	-0.037	-	09/18/2025 23:09	JWN,NIC3
133	L2557776-08 WG2115371	2.500	2.500	2.500	0.2823	-0.0626	-0.025	-	09/18/2025 23:12	JWN,NIC3
134	L2557776-09 WG2115371	2.500	2.500	2.500	0.3378	-0.0073	-0.003	-	09/18/2025 23:16	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
135	Check STD(5ug/L)	2.500	2.500	2.500	13.2776	12.8992	5.160	103.2	09/18/2025 23:19	JWN,NIC3
136	Check Blank	2.500	2.500	2.500	0.0046	-0.3396	-0.136	-	09/18/2025 23:22	JWN,NIC3
137	L2557776-10 WG2115371	2.500	2.500	2.500	0.3545	0.0094	0.004	-	09/18/2025 23:26	JWN,NIC3
138	L2557776-11 WG2115371	2.500	2.500	2.500	0.4036	0.0584	0.023	-	09/18/2025 23:29	JWN,NIC3
139	L2557776-12 WG2115371	2.500	2.500	2.500	0.3663	0.0211	0.008	-	09/18/2025 23:32	JWN,NIC3
140	L2557776-13 WG2115371	2.500	2.500	2.500	0.2614	-0.0835	-0.033	-	09/18/2025 23:35	JWN,NIC3
141	L2557776-14 WG2115371	2.500	2.500	2.500	0.2277	-0.1171	-0.047	-	09/18/2025 23:39	JWN,NIC3
142	L2557776-15 WG2115371	2.500	2.500	2.500	0.1446	-0.2000	-0.080	-	09/18/2025 23:42	JWN,NIC3
143	Check STD(5ug/L)	2.500	2.500	2.500	13.2636	12.8853	5.154	103.1	09/18/2025 23:45	JWN,NIC3
144	Check Blank	2.500	2.500	2.500	0.0070	-0.3372	-0.135	-	09/18/2025 23:49	JWN,NIC3
145	Check STD(5ug/L)	2.500	2.500	2.500	13.2673	12.8890	5.156	103.1	09/19/2025 05:48	JWN,NIC3
146	Check Blank	2.500	2.500	2.500	0.3655	0.0204	0.008	-	09/19/2025 05:51	JWN,NIC3

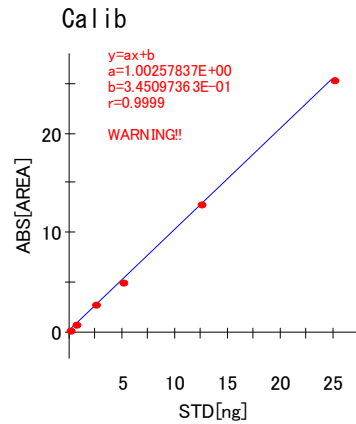
Title :
Date : 09/19/2025
Name :

Method

STD
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time(sec) : 120sec



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.3233	-0.0217	-	09/18/2025 10:50	JWN,NIC3
2	0.200	2.500	2.500	2.500	0.500	0.9100	0.5634	12.7	09/18/2025 10:53	JWN,NIC3
3	1.000	2.500	2.500	2.500	2.500	2.9332	2.5814	3.3	09/18/2025 10:56	JWN,NIC3
4	2.000	2.500	2.500	2.500	5.000	5.1459	4.7885	4.2	09/18/2025 11:00	JWN,NIC3
5	5.000	2.500	2.500	2.500	12.500	12.9886	12.6110	0.9	09/18/2025 11:03	JWN,NIC3
6	10.000	2.500	2.500	2.500	25.000	25.3869	24.9774	0.1	09/18/2025 11:06	JWN,NIC3

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recover [%]	M. TIME	Note
1	WG2116762-1 WG2116762	2.500	2.500	2.500	0.0242	-0.3201	-0.128	-	09/19/2025 06:43	JWN,NIC4
2	WG2116762-2 WG2116762	2.500	2.500	2.500	2.4276	2.0771	0.831	-	09/19/2025 06:46	JWN,NIC4
3	L2558214-02 WG2116762	2.500	2.500	2.500	0.0220	-0.3223	-0.129	-	09/19/2025 06:50	JWN,NIC4
4	WG2116762-3 WG2116762	2.500	2.500	2.500	12.1799	11.8044	4.722	-	09/19/2025 06:53	JWN,NIC4
5	WG2116762-4 WG2116762	2.500	2.500	2.500	0.0280	-0.3163	-0.127	-	09/19/2025 06:56	JWN,NIC4
6	L2557292-05 WG2116762	2.500	2.500	2.500	0.6497	0.3038	0.122	-	09/19/2025 07:00	JWN,NIC4

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
7	L2557292-06 WG2116762	2.500	2.500	2.500	0.0750	-0.2694	-0.108	-	09/19/2025 07:03	JWN,NIC4
8	L2557428-02 WG2116762	2.500	2.500	2.500	0.0516	-0.2927	-0.117	-	09/19/2025 07:06	JWN,NIC4
9	L2557428-03 WG2116762	2.500	2.500	2.500	0.0733	-0.2711	-0.108	-	09/19/2025 07:10	JWN,NIC4
10	L2557733-01 WG2116762	2.500	2.500	2.500	0.0766	-0.2678	-0.107	-	09/19/2025 07:13	JWN,NIC4
11	Check STD(5ug/L)	2.500	2.500	2.500	13.5882	13.2090	5.284	105.7	09/19/2025 07:16	JWN,NIC4
12	Check Blank	2.500	2.500	2.500	0.3657	0.0205	0.008	-	09/19/2025 07:20	JWN,NIC4
13	WG2115418-1 WG2115418	2.500	2.500	2.500	0.0255	-0.3188	-0.128	-	09/19/2025 08:13	JWN,NIC4
14	WG2115418-2 WG2115418	2.500	2.500	2.500	2.4792	2.1286	0.851	-	09/19/2025 08:16	JWN,NIC4
15	L2556676-09 WG2115418	2.500	2.500	2.500	0.0302	-0.3141	-0.126	-	09/19/2025 08:20	JWN,NIC4
16	WG2115418-3 WG2115418	2.500	2.500	2.500	12.5396	12.1631	4.865	-	09/19/2025 08:23	JWN,NIC4
17	WG2115418-4 WG2115418	2.500	2.500	2.500	12.6101	12.2335	4.893	-	09/19/2025 08:26	JWN,NIC4
18	L2556676-03 WG2115418	2.500	2.500	2.500	0.0230	-0.3213	-0.129	-	09/19/2025 08:29	JWN,NIC4
19	WG2115418-5 WG2115418	2.500	2.500	2.500	12.5437	12.1672	4.867	-	09/19/2025 08:33	JWN,NIC4
20	WG2115418-6 WG2115418	2.500	2.500	2.500	0.0227	-0.3216	-0.129	-	09/19/2025 08:36	JWN,NIC4
21	L2556676-02 WG2115418	2.500	2.500	2.500	0.0170	-0.3273	-0.131	-	09/19/2025 08:39	JWN,NIC4
22	L2556676-04 WG2115418	2.500	2.500	2.500	0.0150	-0.3292	-0.132	-	09/19/2025 08:43	JWN,NIC4
23	Check STD(5ug/L)	2.500	2.500	2.500	13.5239	13.1449	5.258	105.2	09/19/2025 08:46	JWN,NIC4
24	Check Blank	2.500	2.500	2.500	0.3650	0.0199	0.008	-	09/19/2025 08:49	JWN,NIC4
25	L2556676-05 WG2115418	2.500	2.500	2.500	0.0174	-0.3269	-0.131	-	09/19/2025 08:53	JWN,NIC4
26	L2556676-06 WG2115418	2.500	2.500	2.500	0.0398	-0.3045	-0.122	-	09/19/2025 08:56	JWN,NIC4
27	L2556676-07 WG2115418	2.500	2.500	2.500	0.0187	-0.3256	-0.130	-	09/19/2025 08:59	JWN,NIC4
28	L2556676-08 WG2115418	2.500	2.500	2.500	0.0780	-0.2664	-0.107	-	09/19/2025 09:02	JWN,NIC4
29	L2556676-10 WG2115418	2.500	2.500	2.500	0.2878	-0.0572	-0.023	-	09/19/2025 09:06	JWN,NIC4
30	L2556676-11 WG2115418	2.500	2.500	2.500	0.2398	-0.1050	-0.042	-	09/19/2025 09:09	JWN,NIC4
31	L2556676-12 WG2115418	2.500	2.500	2.500	0.1784	-0.1663	-0.067	-	09/19/2025 09:12	JWN,NIC4
32	Check STD(5ug/L)	2.500	2.500	2.500	13.3559	12.9773	5.191	103.8	09/19/2025 09:30	JWN,NIC4
33	Check Blank	2.500	2.500	2.500	0.3625	0.0174	0.007	-	09/19/2025 09:33	JWN,NIC4

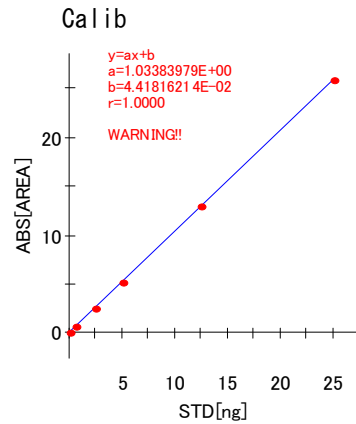
Title :
Date : 09/19/2025
Name :

Method

STD
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time(sec) : 120sec



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.0683	0.0233	-	09/19/2025 09:41	JWN,NIC3
2	0.200	2.500	2.500	2.500	0.500	0.6411	0.5774	15.5	09/19/2025 09:44	JWN,NIC3
3	1.000	2.500	2.500	2.500	2.500	2.5834	2.4561	1.8	09/19/2025 09:48	JWN,NIC3
4	2.000	2.500	2.500	2.500	5.000	5.1969	4.9841	0.3	09/19/2025 09:51	JWN,NIC3
5	5.000	2.500	2.500	2.500	12.500	12.8702	12.4062	0.8	09/19/2025 09:54	JWN,NIC3
6	10.000	2.500	2.500	2.500	25.000	25.9449	25.0529	0.2	09/19/2025 09:58	JWN,NIC3

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recover [%]	M. TIME	Note
1	ICV	2.500	2.500	2.500	7.5270	7.2379	2.895	-	09/19/2025 10:02	JWN,NIC3
2	ICB	2.500	2.500	2.500	0.0699	0.0249	0.010	-	09/19/2025 10:06	JWN,NIC3
3	Q3 LOQ Day 1 JWN	2.500	2.500	2.500	0.6354	0.5719	0.229	-	09/19/2025 10:27	JWN,NIC3
4	WG2114998-1 WG2114998	2.500	2.500	2.500	-0.0037	-0.0463	-0.019	-	09/19/2025 10:52	JWN,NIC3
5	WG2114998-2 WG2114998	2.500	2.500	2.500	2.4415	2.3188	0.928	-	09/19/2025 10:55	JWN,NIC3
6	I2556676-08 WG2114998	2.500	2.500	2.500	0.0042	-0.0387	-0.015	-	09/19/2025 10:59	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recover [%]	M. TIME	Note
7	WG2114998-3 WG2114998	2.500	2.500	2.500	12.3258	11.8796	4.752	-	09/19/2025 11:02	JWN,NIC3
8	WG2114998-4 WG2114998	2.500	2.500	2.500	0.0030	-0.0398	-0.016	-	09/19/2025 11:05	JWN,NIC3
9	I2556676-09 WG2114998	2.500	2.500	2.500	-0.0007	-0.0434	-0.017	-	09/19/2025 11:09	JWN,NIC3
10	WG2114998-5 WG2114998	2.500	2.500	2.500	12.4234	11.9740	4.790	-	09/19/2025 11:12	JWN,NIC3
11	WG2114998-6 WG2114998	2.500	2.500	2.500	12.0268	11.5904	4.636	-	09/19/2025 11:15	JWN,NIC3
12	I2556676-02 WG2114998	2.500	2.500	2.500	-0.0002	-0.0429	-0.017	-	09/19/2025 11:19	JWN,NIC3
13	Check STD(5ug/L)	2.500	2.500	2.500	13.6119	13.1236	5.249	105.0	09/19/2025 11:22	JWN,NIC3
14	Check Blank	2.500	2.500	2.500	0.3602	0.3057	0.122	-	09/19/2025 11:25	JWN,NIC3
15	I2556676-03 WG2114998	2.500	2.500	2.500	0.0001	-0.0426	-0.017	-	09/19/2025 11:29	JWN,NIC3
16	I2556676-04 WG2114998	2.500	2.500	2.500	-0.0007	-0.0434	-0.017	-	09/19/2025 11:32	JWN,NIC3
17	I2556676-05 WG2114998	2.500	2.500	2.500	0.0007	-0.0421	-0.017	-	09/19/2025 11:35	JWN,NIC3
18	I2556676-06 WG2114998	2.500	2.500	2.500	0.0190	-0.0244	-0.010	-	09/19/2025 11:39	JWN,NIC3
19	I2556676-07 WG2114998	2.500	2.500	2.500	0.0020	-0.0408	-0.016	-	09/19/2025 11:42	JWN,NIC3
20	I2556676-10 WG2114998	2.500	2.500	2.500	-0.0020	-0.0447	-0.018	-	09/19/2025 11:45	JWN,NIC3
21	I2556676-11 WG2114998	2.500	2.500	2.500	0.0022	-0.0406	-0.016	-	09/19/2025 11:49	JWN,NIC3
22	I2556676-12 WG2114998	2.500	2.500	2.500	-0.0008	-0.0435	-0.017	-	09/19/2025 11:52	JWN,NIC3
23	I2557648-01 WG2114998	2.500	2.500	2.500	0.2180	0.1681	0.067	-	09/19/2025 11:55	JWN,NIC3
24	I2557648-02 WG2114998	2.500	2.500	2.500	0.0792	0.0339	0.014	-	09/19/2025 11:59	JWN,NIC3
25	Check STD(5ug/L)	2.500	2.500	2.500	13.5401	13.0542	5.222	104.4	09/19/2025 12:02	JWN,NIC3
26	Check Blank	2.500	2.500	2.500	0.3571	0.3027	0.121	-	09/19/2025 12:05	JWN,NIC3
27	WG2116994-1 WG2116994	2.500	2.500	2.500	0.3096	0.2567	0.103	-	09/19/2025 12:57	JWN,NIC3
28	WG2116994-2 WG2116994	2.500	2.500	2.500	2.6627	2.5328	1.013	-	09/19/2025 13:00	JWN,NIC3
29	L2556694-07 WG2116994	2.500	2.500	2.500	0.6641	0.5996	0.240	-	09/19/2025 13:04	JWN,NIC3
30	WG2116994-3 WG2116994	2.500	2.500	2.500	13.0049	12.5365	5.015	-	09/19/2025 13:07	JWN,NIC3
31	WG2116994-4 WG2116994	2.500	2.500	2.500	0.2498	0.1989	0.080	-	09/19/2025 13:10	JWN,NIC3
32	L2558777-01 WG2116994	2.500	2.500	2.500	0.0531	0.0086	0.003	-	09/19/2025 13:14	JWN,NIC3
33	L2558777-02 WG2116994	2.500	2.500	2.500	0.0570	0.0124	0.005	-	09/19/2025 13:17	JWN,NIC3
34	WG2117029-1 WG2117029	2.500	2.500	2.500	0.0100	-0.0331	-0.013	-	09/19/2025 13:20	JWN,NIC3
35	WG2117029-2 WG2117029	2.500	2.500	2.500	2.6041	2.4761	0.990	-	09/19/2025 13:24	JWN,NIC3
36	L2559020-01 WG2117029	2.500	2.500	2.500	0.0161	-0.0272	-0.011	-	09/19/2025 13:27	JWN,NIC3
37	Check STD(5ug/L)	2.500	2.500	2.500	12.8867	12.4222	4.969	99.4	09/19/2025 13:30	JWN,NIC3
38	Check Blank	2.500	2.500	2.500	0.0564	0.0118	0.005	-	09/19/2025 13:33	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
39	WG2117029-3 WG2117029	2.500	2.500	2.500	12.2972	11.8520	4.741	-	09/19/2025 13:37	JWN,NIC3
40	WG2117029-4 WG2117029	2.500	2.500	2.500	0.0183	-0.0250	-0.010	-	09/19/2025 13:40	JWN,NIC3
41	Check STD(5ug/L)	2.500	2.500	2.500	12.9292	12.4633	4.985	99.7	09/19/2025 13:43	JWN,NIC3
42	Check Blank	2.500	2.500	2.500	0.0566	0.0120	0.005	-	09/19/2025 13:47	JWN,NIC3
43	WG2116805-1 WG2116805	2.500	2.500	2.500	0.0053	-0.0376	-0.015	-	09/19/2025 13:57	JWN,NIC3
44	WG2116805-2 WG2116805	2.500	2.500	2.500	2.4061	2.2846	0.914	-	09/19/2025 14:01	JWN,NIC3
45	L2556685-03 WG2116805	2.500	2.500	2.500	0.0168	-0.0265	-0.011	-	09/19/2025 14:04	JWN,NIC3
46	WG2116805-3 WG2116805	2.500	2.500	2.500	13.1971	12.7224	5.089	-	09/19/2025 14:07	JWN,NIC3
47	WG2116805-4 WG2116805	2.500	2.500	2.500	0.0117	-0.0314	-0.013	-	09/19/2025 14:11	JWN,NIC3
48	L2554366-01 WG2116805	2.500	2.500	2.500	0.2265	0.1764	0.071	-	09/19/2025 14:14	JWN,NIC3
49	Check STD(5ug/L)	2.500	2.500	2.500	12.6422	12.1857	4.874	97.5	09/19/2025 14:17	JWN,NIC3
50	Check Blank	2.500	2.500	2.500	0.4792	0.4208	0.168	-	09/19/2025 14:21	JWN,NIC3
51	WG2115676-1 WG2115676	2.500	2.500	2.500	0.0323	-0.0115	-0.005	-	09/19/2025 16:54	JWN,NIC3
52	WG2115676-2 WG2115676	2.500	2.500	2.500	2.4565	2.3334	0.933	-	09/19/2025 16:58	JWN,NIC3
53	L2557076-03 WG2115676	2.500	2.500	2.500	0.0266	-0.0170	-0.007	-	09/19/2025 17:01	JWN,NIC3
54	WG2115676-3 WG2115676	2.500	2.500	2.500	12.4331	11.9834	4.793	-	09/19/2025 17:04	JWN,NIC3
55	WG2115676-4 WG2115676	2.500	2.500	2.500	0.0406	-0.0035	-0.001	-	09/19/2025 17:07	JWN,NIC3
56	L2557076-02 WG2115676	2.500	2.500	2.500	0.0440	-0.0002	-0.000	-	09/19/2025 17:11	JWN,NIC3
57	L2557076-04 WG2115676	2.500	2.500	2.500	0.0472	0.0029	0.001	-	09/19/2025 17:14	JWN,NIC3
58	L2557076-05 WG2115676	2.500	2.500	2.500	0.0438	-0.0004	-0.000	-	09/19/2025 17:17	JWN,NIC3
59	L2557076-06 WG2115676	2.500	2.500	2.500	0.0536	0.0091	0.004	-	09/19/2025 17:21	JWN,NIC3
60	L2557076-07 WG2115676	2.500	2.500	2.500	0.0457	0.0015	0.001	-	09/19/2025 17:24	JWN,NIC3
61	Check STD(5ug/L)	2.500	2.500	2.500	12.9126	12.4472	4.979	99.6	09/19/2025 17:27	JWN,NIC3
62	Check Blank	2.500	2.500	2.500	0.1843	0.1355	0.054	-	09/19/2025 17:31	JWN,NIC3
63	L2557076-08 WG2115676	2.500	2.500	2.500	0.0461	0.0019	0.001	-	09/19/2025 17:34	JWN,NIC3
64	L2557076-09 WG2115676	2.500	2.500	2.500	0.0454	0.0012	0.000	-	09/19/2025 17:37	JWN,NIC3
65	L2557076-10 WG2115676	2.500	2.500	2.500	0.0460	0.0018	0.001	-	09/19/2025 17:40	JWN,NIC3
66	L2557734-01 WG2115676	2.500	2.500	2.500	0.1231	0.0763	0.031	-	09/19/2025 17:44	JWN,NIC3
67	WG2116271-1 WG2116271	2.500	2.500	2.500	0.0092	-0.0338	-0.014	-	09/19/2025 17:47	JWN,NIC3
68	WG2116271-2 WG2116271	2.500	2.500	2.500	2.6160	2.4876	0.995	-	09/19/2025 17:50	JWN,NIC3
69	L2558325-02 WG2116271	2.500	2.500	2.500	0.0336	-0.0102	-0.004	-	09/19/2025 17:54	JWN,NIC3
70	WG2116271-3 WG2116271	2.500	2.500	2.500	13.3141	12.8356	5.134	-	09/19/2025 17:57	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
71	WG2116271-4 WG2116271	2.500	2.500	2.500	0.0405	-0.0036	-0.001	-	09/19/2025 18:00	JWN,NIC3
72	L2558468-01 WG2116271	2.500	2.500	2.500	0.0350	-0.0089	-0.004	-	09/19/2025 18:04	JWN,NIC3
73	Check STD(5ug/L)	2.500	2.500	2.500	12.8721	12.4080	4.963	99.3	09/19/2025 18:07	JWN,NIC3
74	Check Blank	2.500	2.500	2.500	0.1924	0.1434	0.057	-	09/19/2025 18:10	JWN,NIC3
75	L2558468-02 WG2116271	2.500	2.500	2.500	0.0272	-0.0164	-0.007	-	09/19/2025 18:13	JWN,NIC3
76	L2558468-03 WG2116271	2.500	2.500	2.500	0.0294	-0.0143	-0.006	-	09/19/2025 18:17	JWN,NIC3
77	L2558468-04 WG2116271	2.500	2.500	2.500	0.0295	-0.0142	-0.006	-	09/19/2025 18:20	JWN,NIC3
78	L2558520-01 WG2116271	2.500	2.500	2.500	0.0364	-0.0075	-0.003	-	09/19/2025 18:23	JWN,NIC3
79	WG2116536-1 WG2116536	2.500	2.500	2.500	0.0222	-0.0213	-0.009	-	09/19/2025 18:30	JWN,NIC3
80	WG2116536-2 WG2116536	2.500	2.500	2.500	2.4917	2.3674	0.947	-	09/19/2025 18:34	JWN,NIC3
81	L2558152-02 WG2116536	2.500	2.500	2.500	0.0321	-0.0117	-0.005	-	09/19/2025 18:37	JWN,NIC3
82	WG2116536-3 WG2116536	2.500	2.500	2.500	12.4282	11.9787	4.791	-	09/19/2025 18:40	JWN,NIC3
83	WG2116536-4 WG2116536	2.500	2.500	2.500	0.0340	-0.0098	-0.004	-	09/19/2025 18:44	JWN,NIC3
84	L2558152-01 WG2116536	2.500	2.500	2.500	0.0444	0.0002	0.000	-	09/19/2025 18:47	JWN,NIC3
85	Check STD(5ug/L)	2.500	2.500	2.500	12.8359	12.3730	4.949	99.0	09/19/2025 18:50	JWN,NIC3
86	Check Blank	2.500	2.500	2.500	0.1921	0.1431	0.057	-	09/19/2025 18:54	JWN,NIC3
87	L2558152-05 WG2116536	2.500	2.500	2.500	0.0577	0.0131	0.005	-	09/19/2025 18:57	JWN,NIC3
88	L2558152-06 WG2116536	2.500	2.500	2.500	0.0710	0.0259	0.010	-	09/19/2025 19:00	JWN,NIC3
89	L2558152-07 WG2116536	2.500	2.500	2.500	0.0283	-0.0154	-0.006	-	09/19/2025 19:04	JWN,NIC3
90	L2558152-08 WG2116536	2.500	2.500	2.500	0.0398	-0.0042	-0.002	-	09/19/2025 19:07	JWN,NIC3
91	L2558152-09 WG2116536	2.500	2.500	2.500	0.0328	-0.0110	-0.004	-	09/19/2025 19:10	JWN,NIC3
92	L2558152-10 WG2116536	2.500	2.500	2.500	0.0373	-0.0067	-0.003	-	09/19/2025 19:14	JWN,NIC3
93	L2558152-11 WG2116536	2.500	2.500	2.500	0.0399	-0.0041	-0.002	-	09/19/2025 19:17	JWN,NIC3
94	L2558152-12 WG2116536	2.500	2.500	2.500	0.0350	-0.0089	-0.004	-	09/19/2025 19:20	JWN,NIC3
95	L2558152-13 WG2116536	2.500	2.500	2.500	0.0359	-0.0080	-0.003	-	09/19/2025 19:24	JWN,NIC3
96	L2558152-14 WG2116536	2.500	2.500	2.500	0.0242	-0.0193	-0.008	-	09/19/2025 19:27	JWN,NIC3
97	Check STD(5ug/L)	2.500	2.500	2.500	12.8740	12.4099	4.964	99.3	09/19/2025 19:30	JWN,NIC3
98	Check Blank	2.500	2.500	2.500	0.1933	0.1442	0.058	-	09/19/2025 19:33	JWN,NIC3
99	L2558379-03 WG2116536	2.500	2.500	2.500	0.0282	-0.0155	-0.006	-	09/19/2025 19:37	JWN,NIC3
100	L2558379-04 WG2116536	2.500	2.500	2.500	0.0353	-0.0086	-0.003	-	09/19/2025 19:40	JWN,NIC3
101	L2558379-05 WG2116536	2.500	2.500	2.500	0.0298	-0.0139	-0.006	-	09/19/2025 19:43	JWN,NIC3
102	XL2558379-06 WG2116536	2.500	2.500	2.500	-0.0032	-0.0458	-0.018	-	09/19/2025 19:47	JWN,NIC3/ Flow Error!!(0.00L/min)

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
103	L2558379-07 WG2116536	2.500	2.500	2.500	0.0274	-0.0162	-0.006	-	09/19/2025 19:55	JWN,NIC3
104	L2558379-08 WG2116536	2.500	2.500	2.500	0.0274	-0.0162	-0.006	-	09/19/2025 19:59	JWN,NIC3
105	WG2115519-1 WG2115519	2.500	2.500	2.500	0.0537	0.0092	0.004	-	09/19/2025 20:02	JWN,NIC3
106	WG2115519-2 WG2115519	2.500	2.500	2.500	2.4950	2.3706	0.948	-	09/19/2025 20:05	JWN,NIC3
107	L2558026-05 WG2115519	2.500	2.500	2.500	0.0570	0.0124	0.005	-	09/19/2025 20:09	JWN,NIC3
108	WG2115519-3 WG2115519	2.500	2.500	2.500	12.2493	11.8056	4.722	-	09/19/2025 20:12	JWN,NIC3
109	Check STD(5ug/L)	2.500	2.500	2.500	12.8541	12.3906	4.956	99.1	09/19/2025 20:15	JWN,NIC3
110	Check Blank	2.500	2.500	2.500	0.1992	0.1499	0.060	-	09/19/2025 20:19	JWN,NIC3
111	WG2115519-4 WG2115519	2.500	2.500	2.500	0.0546	0.0101	0.004	-	09/19/2025 20:22	JWN,NIC3
112	L2558026-06 WG2115519	2.500	2.500	2.500	0.8165	0.7470	0.299	-	09/19/2025 20:25	JWN,NIC3
113	L2555226-01 WG2116805	2.500	2.500	2.500	0.0180	-0.0253	-0.010	-	09/19/2025 20:28	JWN,NIC3
114	L2555226-03 WG2116805	2.500	2.500	2.500	0.2057	0.1562	0.062	-	09/19/2025 20:32	JWN,NIC3
115	L2555910-03 WG2116805	2.500	2.500	2.500	0.0116	-0.0315	-0.013	-	09/19/2025 20:35	JWN,NIC3
116	L2555910-05 WG2116805	2.500	2.500	2.500	0.1104	0.0641	0.026	-	09/19/2025 20:38	JWN,NIC3
117	L2557288-01 WG2116805	2.500	2.500	2.500	2.2586	2.1419	0.857	-	09/19/2025 20:42	JWN,NIC3
118	L2557288-04 WG2116805	2.500	2.500	2.500	0.0182	-0.0251	-0.010	-	09/19/2025 20:45	JWN,NIC3
119	L2558233-01 WG2116805	2.500	2.500	2.500	0.1651	0.1170	0.047	-	09/19/2025 20:48	JWN,NIC3
120	L2558058-01 WG2116994	2.500	2.500	2.500	0.2792	0.2273	0.091	-	09/19/2025 20:52	JWN,NIC3
121	Check STD(5ug/L)	2.500	2.500	2.500	12.7484	12.2884	4.915	98.3	09/19/2025 20:55	JWN,NIC3
122	Check Blank	2.500	2.500	2.500	-0.0064	-0.0489	-0.020	-	09/19/2025 20:58	JWN,NIC3
123	L2558245-03 WG2116994	2.500	2.500	2.500	0.0954	0.0495	0.020	-	09/19/2025 21:02	JWN,NIC3
124	L2558245-04 WG2116994	2.500	2.500	2.500	0.0838	0.0383	0.015	-	09/19/2025 21:05	JWN,NIC3
125	L2558351-02 WG2116994	2.500	2.500	2.500	0.0671	0.0222	0.009	-	09/19/2025 21:08	JWN,NIC3
126	L2558351-03 WG2116994	2.500	2.500	2.500	0.0528	0.0083	0.003	-	09/19/2025 21:11	JWN,NIC3
127	L2558351-04 WG2116994	2.500	2.500	2.500	0.0626	0.0178	0.007	-	09/19/2025 21:15	JWN,NIC3
128	L2558351-05 WG2116994	2.500	2.500	2.500	0.0618	0.0170	0.007	-	09/19/2025 21:18	JWN,NIC3
129	L2558694-01 WG2116994	2.500	2.500	2.500	0.0673	0.0224	0.009	-	09/19/2025 21:21	JWN,NIC3
130	L2558694-02 WG2116994	2.500	2.500	2.500	0.0634	0.0186	0.007	-	09/19/2025 21:25	JWN,NIC3
131	L2558379-06 WG2116536	2.500	2.500	2.500	0.0292	-0.0145	-0.006	-	09/19/2025 21:28	JWN,NIC3
132	Check STD(5ug/L)	2.500	2.500	2.500	12.8449	12.3817	4.953	99.1	09/19/2025 21:31	JWN,NIC3
133	Check Blank	2.500	2.500	2.500	-0.0072	-0.0497	-0.020	-	09/19/2025 21:34	JWN,NIC3
134	WG2117063-1 WG2117063	2.500	2.500	2.500	0.0122	-0.0309	-0.012	-	09/19/2025 22:18	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
135	WG2117063-2 WG2117063	2.500	2.500	2.500	2.3324	2.2133	0.885	-	09/19/2025 22:22	JWN,NIC3
136	L2559075-01 WG2117063	2.500	2.500	2.500	0.0197	-0.0237	-0.009	-	09/19/2025 22:25	JWN,NIC3
137	WG2117063-3 WG2117063	2.500	2.500	2.500	11.4071	10.9910	4.396	-	09/19/2025 22:28	JWN,NIC3
138	WG2117063-4 WG2117063	2.500	2.500	2.500	0.0214	-0.0220	-0.009	-	09/19/2025 22:32	JWN,NIC3
139	WG2117067-1 WG2117067	2.500	2.500	2.500	0.0176	-0.0257	-0.010	-	09/19/2025 22:35	JWN,NIC3
140	WG2117067-2 WG2117067	2.500	2.500	2.500	2.3667	2.2465	0.899	-	09/19/2025 22:38	JWN,NIC3
141	L2557432-01 WG2117067	2.500	2.500	2.500	7.0457	6.7723	2.709	-	09/19/2025 22:41	JWN,NIC3
142	WG2117067-3 WG2117067	2.500	2.500	2.500	18.4624	17.8154	7.126	-	09/19/2025 22:45	JWN,NIC3
143	WG2117067-4 WG2117067	2.500	2.500	2.500	6.9457	6.6756	2.670	-	09/19/2025 22:48	JWN,NIC3
144	Check STD(5ug/L)	2.500	2.500	2.500	12.8292	12.3665	4.947	98.9	09/19/2025 22:51	JWN,NIC3
145	Check Blank	2.500	2.500	2.500	-0.0024	-0.0451	-0.018	-	09/19/2025 22:55	JWN,NIC3

MERCURY TRUE VALUE CRITERIA

ICV	3 ug/l
LCSW	1 ug/l
MS	1 ug/l
CCV	5 ug/l

As of 6/1/13, Mercury True Value criteria is as follows:

ICV	3 ug/l
LCSW	1 ug/l
MS(aq)	5 ug/l
MS(soil)	1 ug/l
CCV	10 ug/l

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck




ISO/IEC GUIDE 34:2009

ISO/IEC 17025:2005



Page 3 of 3 Lot: D102-540



A Waters Company

Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

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▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

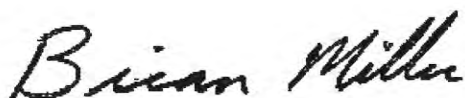
If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck



ISO/IEC 17025:2005
ISO/IEC 17025:2005




A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

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Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.

k = Coverage factor.

U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.

U_{homogen} = Standard uncertainty of the homogeneity assessment.

U_{LTS} = Standard uncertainty associated with long-term stability.

U_{STS} = Standard uncertainty associated with short-term (transport) stability.

U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material}) / (\% \text{ recovery NIST SRM})] * 100$

The traceability data shown were compiled by analyzing this ERA certified reference material and/or its associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

Brian Miller

Matthew Seebeck





A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION



Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

Page 1 of 4 Lot: D113-540

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Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D123-540
Certificate Issue Date: September 29, 2023
Expiration Date: June 01, 2027
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6780	7.45	3590 - 9980	3240 - 10300
Antimony	257	127	7.67	D.L. - 255	25.7 - 318
Arsenic	360	311	5.66	254 - 368	218 - 405
Barium	332	304	10.3	249 - 359	228 - 380
Beryllium	183	169	2.30	140 - 198	127 - 211
Boron	320	229	8.37	159 - 300	138 - 352
Cadmium	238	212	2.84	175 - 250	159 - 265
Calcium	5490	5170	7.20	4240 - 6090	3770 - 6560
Chromium	199	180	7.49	146 - 213	126 - 234
Cobalt	88.7	81.6	14.9	67.9 - 95.4	61.2 - 102
Copper	227	205	23.1	170 - 240	154 - 256
Iron	7360	6510	7.13	3760 - 9260	736 - 13200
Lead	100	92.8	17.9	75.9 - 110	65.0 - 121
Lithium	146	132	6.88	82.7 - 182	92.0 - 172
Magnesium	1900	1700	6.98	1280 - 2110	946 - 2450
Manganese	591	531	12.5	429 - 633	410 - 652
Mercury	14.4	11.9	8.30	7.99 - 15.7	7.12 - 16.6
Molybdenum	155	136	2.46	108 - 163	96.1 - 175
Nickel	342	313	7.24	258 - 368	219 - 407
Potassium	1500	1370	6.70	991 - 1750	713 - 2030
Selenium	170	165	4.43	133 - 197	112 - 218
Silver	88.6	82.4	6.61	65.5 - 99.2	58.5 - 106
Sodium	527	486	7.85	361 - 611	289 - 683
Strontium	148	136	8.52	109 - 163	98.7 - 173

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	226	205	4.43	166 - 245	148 - 263
Tin	85.2	75.4	3.97	58.7 - 92.1	40.6 - 110
Titanium	382	306	8.28	77.0 - 535	98.3 - 514
Uranium	46.5	47.2	5.32	36.2 - 58.2	28.6 - 65.8
Vanadium	118	103	7.76	80.3 - 126	70.0 - 136
Zinc	183	166	6.60	133 - 200	117 - 216

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6780	88.3	109	-	-
Antimony	257	127	49.3	117	-	-
Arsenic	360	311	86.5	145	-	-
Barium	332	304	91.6	129	-	-
Beryllium	183	169	92.4	121	-	-
Boron	320	229	71.6	84	-	-
Cadmium	238	212	89.2	163	-	-
Calcium	5490	5170	94.1	97	-	-
Chromium	199	180	90.4	145	-	-
Cobalt	88.7	81.6	92.0	121	-	-
Copper	227	205	90.3	151	-	-
Iron	7360	6510	88.5	110	-	-
Lead	100	92.8	92.8	161	-	-
Lithium	146	132	90.6	35	-	-
Magnesium	1900	1700	89.4	100	-	-
Manganese	591	531	89.8	125	-	-
Mercury	14.4	11.9	82.4	95	-	-
Molybdenum	155	136	87.5	120	-	-
Nickel	342	313	91.5	150	-	-
Potassium	1500	1370	91.3	99	-	-
Selenium	170	165	97.0	132	-	-
Silver	88.6	82.4	93.0	124	-	-
Sodium	527	486	92.2	100	-	-
Strontium	148	136	91.9	84	-	-
Thallium	226	205	90.8	117	-	-
Tin	85.2	75.4	88.5	90	-	-
Titanium	382	306	80.1	87	-	-
Uranium	46.5	47.2	102	30	-	-
Vanadium	118	103	87.4	119	-	-
Zinc	183	166	91.0	146	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.
2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.
 k = Coverage factor.
 U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
 U_{homogen} = Standard uncertainty of the homogeneity assessment.
 U_{LTS} = Standard uncertainty associated with long-term stability.
 U_{STS} = Standard uncertainty associated with short-term (transport) stability.
 U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).
3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.
4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.
5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.
6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material})/(\% \text{ recovery NIST SRM})]*100$
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.
7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.
8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.
9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.





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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D126-540
Certificate Issue Date: June 25, 2024
Expiration Date: January 17, 2028
Revision Number: 1.0
Revision Date: February 28, 2025

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6840	17.4	3640 - 10000	3280 - 10400
Antimony	250	131	7.92	5.96 - 256	25.0 - 328
Arsenic	229	192	15.3	156 - 228	135 - 252
Barium	244	219	20.5	179 - 259	164 - 274
Beryllium	165	146	6.80	120 - 172	110 - 183
Boron	255	175	13.9	119 - 231	105 - 280
Cadmium	134	114	6.45	93.1 - 135	85.5 - 147
Calcium	4280	4080	14.7	3360 - 4800	2930 - 5240
Chromium	172	153	13.9	124 - 182	107 - 199
Cobalt	253	231	19.3	192 - 271	174 - 289
Copper	99.6	91.2	17.6	75.8 - 107	68.4 - 114
Iron	7360	7020	21.4	4260 - 9770	736 - 13800
Lead	153	141	18.2	115 - 167	102 - 180
Lithium	104	96.1	13.2	60.8 - 131	68.1 - 124
Magnesium	2060	1900	16.9	1450 - 2350	1110 - 2690
Manganese	442	401	19.4	324 - 477	305 - 497
Mercury	15.9	14.1	7.72	9.82 - 18.4	8.45 - 19.7
Molybdenum	165	144	6.21	115 - 173	102 - 186
Nickel	165	143	14.5	117 - 170	100 - 187
Potassium	1950	1760	15.6	1270 - 2250	999 - 2520
Selenium	107	94.7	9.78	74.3 - 115	61.2 - 128
Silver	83.9	77.0	10.1	61.1 - 92.9	54.6 - 99.4
Sodium	732	661	15.6	487 - 834	409 - 913

Page 1 of 4 Lot: D126-540

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▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Strontium	222	191	15.0	151 - 232	140 - 244
Thallium	208	183	6.96	147 - 219	131 - 235
Tin	111	99.0	10.8	77.2 - 121	56.1 - 142
Titanium	422	353	19.9	99.4 - 606	128 - 577
Uranium	20.9	20.0	13.9	15.1 - 25.0	8.44 - 31.6
Vanadium	179	159	13.9	125 - 194	116 - 203
Zinc	327	292	5.83	233 - 351	204 - 379



A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6840	89.0	135	-	-
Antimony	250	131	52.5	145	-	-
Arsenic	229	192	84.0	242	-	-
Barium	244	219	89.7	165	-	-
Beryllium	165	146	88.7	153	-	-
Boron	255	175	68.5	109	-	-
Cadmium	134	114	85.1	243	-	-
Calcium	4280	4080	95.4	119	-	-
Chromium	172	153	89.2	185	-	-
Cobalt	253	231	91.5	144	-	-
Copper	99.6	91.2	91.6	238	-	-
Iron	7360	7020	95.3	133	-	-
Lead	153	141	92.2	255	-	-
Lithium	104	96.1	92.4	45	-	-
Magnesium	2060	1900	92.3	122	-	-
Manganese	442	401	90.7	143	-	-
Mercury	15.9	14.1	88.6	148	-	-
Molybdenum	165	144	87.2	145	-	-
Nickel	165	143	86.9	232	-	-
Potassium	1950	1760	90.2	128	-	-
Selenium	107	94.7	88.5	167	-	-
Silver	83.9	77.0	91.8	157	-	-
Sodium	732	661	90.3	117	-	-
Strontium	222	191	86.2	92	-	-
Thallium	208	183	88.0	147	-	-
Tin	111	99.0	89.1	102	-	-
Titanium	422	353	83.6	90	-	-
Uranium	20.9	20.0	95.9	31	-	-
Vanadium	179	159	89.0	146	-	-
Zinc	327	292	89.3	233	-	-

Page 3 of 4 Lot: D126-540

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

▪ Certificate of Analysis ▪

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Where:

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Calculation of 7470A Mercury

Calculate Mercury concentration from the daily calibration curve.
The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations

C = Sample/Standard Concentration, $\mu\text{g/L}$

k1 = y-intercept

k2 = slope

The instrument will plot peak height against concentration ($\mu\text{g/L}$).
The result is generated in $\mu\text{g/L}$. This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = (\text{concentration, } \mu\text{g/L}) \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

Calculation of 7471B Mercury

Calculate Mercury concentration from the daily calibration curve.
The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations

C = Sample/Standard Concentration, $\mu\text{g/L}$

k1 = y-intercept

k2 = slope

The instrument will plot peak height against concentration ($\mu\text{g/L}$).
The result is generated in $\mu\text{g/L}$. This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = (\text{concentration, } \mu\text{g/L}) \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

The result in mg/kg is calculated on a dry weight basis using the sample weight digested(Wt), the final volume of the digestate(FV), and the percent total solids(%TS).

$$\text{Result, mg/kg, wet} = ((\text{result, mg/L}) \times (\text{FV})) / \text{Wt}$$

$$\text{Result, mg/kg, dry wt} = (\text{Result, mg/kg wet}) / (\% \text{TS})$$

No.	Sample No. NAME	curve: WG2115492
1	1 STD	
2	2 STD	
3	3 STD	
4	4 STD	
5	5 STD	
6	6 STD	
1	7 XICV	
2	8 XICB	
3	7 ICV	
4	8 ICB	
5	9 WG2116381-1 WG2116381	
6	10 WG2116381-2 WG2116381	
7	11 WG2116381-3 WG2116381	
8	12 L2558382-01 WG2116381	
9	13 L2558409-01 WG2116381	
10	14 0.2 PPB	
11	15 Check STD(5ug/L)	
12	16 Check Blank	
13	17 WG2116471-1 WG2116471	
14	18 WG2116471-2 WG2116471	
15	19 L2557802-01 WG2116471	
16	20 WG2116471-3 WG2116471	
17	21 WG2116471-4 WG2116471	
18	22 L2558288-01 WG2116471	
19	23 L2558288-02 WG2116471	
20	24 Check STD(5ug/L)	
21	25 Check Blank	
22	26 L2557802-02 WG2116471	
23	27 L2557802-03 WG2116471	
24	28 L2557802-04 WG2116471	
25	29 L2557985-01 WG2116471	
26	30 L2557985-03 WG2116471	
27	31 L2557985-05 WG2116471	
28	32 L2557985-07 WG2116471	
29	33 L2557985-09 WG2116471	
30	34 Check STD(5ug/L)	
31	35 Check Blank	
32	36 WG2115669-1 WG2115669	
33	37 XWG2115669-2 WG2115669	
34	38 L2557076-04 WG2115669	
35	39 WG2115669-3 WG2115669	
36	40 WG2115669-4 WG2115669	
37	41 L2557076-05 WG2115669	

38	42 WG2115669-5 WG2115669
39	43 Check STD(5ug/L)
40	44 Check Blank
41	45 WG2115669-6 WG2115669
42	46 L2557794-01 WG2115669
43	47 WG2116580-1 WG2116580
44	48 WG2116580-2 WG2116580
45	49 L2557253-01 WG2116580
46	50 WG2116580-3 WG2116580
47	51 WG2116580-4 WG2116580
48	52 L2558093-03 WG2116580
49	53 L2558093-06 WG2116580
50	54 L2558093-09 WG2116580
51	55 Check STD(5ug/L)
52	56 Check Blank
53	57 L2558093-13 WG2116580
54	58 WG2116457-1 WG2116457
55	59 WG2116457-2 WG2116457
56	60 L2557824-01 WG2116457
57	61 WG2116457-3 WG2116457
58	62 WG2116457-4 WG2116457
59	63 L2557824-02 WG2116457
60	64 L2558770-01 WG2116457
61	65 L2558770-02 WG2116457
62	66 WG2115669-2 WG2115669
63	67 Check STD(5ug/L)
64	68 Check Blank
65	69 WG2116422-2 WG2116422
66	70 L2557289-01 WG2116422
67	71 WG2116422-3 WG2116422
68	72 WG2116422-4 WG2116422
69	73 L2557289-02 WG2116422
70	74 L2557289-03 WG2116422
71	75 L2557289-04 WG2116422
72	76 L2557289-06 WG2116422
73	77 L2557289-07 WG2116422
74	78 L2557289-08 WG2116422
75	79 Check STD(5ug/L)
76	80 Check Blank
77	1 WG2116422-1 WG2116422
78	2 WG2116590-1 WG2116590
79	3 WG2116590-2 WG2116590
80	4 L2558272-01 WG2116590
81	5 WG2116590-3 WG2116590

82	6 WG2116590-4 WG2116590
83	7 WG2116287-1 WG2116287
84	8 WG2116287-2 WG2116287
85	9 L2558533-01 WG2116287
86	10 WG2116287-3 WG2116287
87	11 Check STD(5ug/L)
88	12 Check Blank
89	13 WG2116287-4 WG2116287
90	14 L2558533-02 WG2116287
91	15 L2558533-03 WG2116287
92	16 L2558533-04 WG2116287
93	17 L2558533-05 WG2116287
94	18 L2558533-06 WG2116287
95	19 L2558533-07 WG2116287
96	20 L2558533-08 WG2116287
97	21 L2558533-09 WG2116287
98	22 L2558533-11 WG2116287
99	23 Check STD(5ug/L)
100	24 Check Blank
101	25 L2558533-12 WG2116287
102	26 L2557290-01 WG2115512
103	27 L2557290-02 WG2115512
104	28 L2557290-03 WG2115512
105	29 L2557290-04 WG2115512
106	30 L2557290-05 WG2115512
107	31 L2557290-06 WG2115512
108	32 L2557290-07 WG2115512
109	33 L2557290-08 WG2115512
110	34 L2558026-01 WG2115512
111	35 Check STD(5ug/L)
112	36 Check Blank
113	37 L2558026-02 WG2115512
114	38 L2558026-03 WG2115512
115	39 L2558026-04 WG2115512
116	40 L2558093-14 WG2115512
117	41 L2558093-15 WG2115512
118	42 L2558093-17 WG2115512
119	43 L2558093-18 WG2115512
120	44 L2558093-19 WG2115512
121	45 WG2115371-1 WG2115371
122	46 WG2115371-2 WG2115371
123	47 Check STD(5ug/L)
124	48 Check Blank
125	49 L2557776-01 WG2115371

126	50 WG2115371-3 WG2115371
127	51 WG2115371-4 WG2115371
128	52 L2557776-02 WG2115371
129	53 L2557776-04 WG2115371
130	54 L2557776-05 WG2115371
131	55 L2557776-06 WG2115371
132	56 L2557776-07 WG2115371
133	57 L2557776-08 WG2115371
134	58 L2557776-09 WG2115371
135	59 Check STD(5ug/L)
136	60 Check Blank
137	61 L2557776-10 WG2115371
138	62 L2557776-11 WG2115371
139	63 L2557776-12 WG2115371
140	64 L2557776-13 WG2115371
141	65 L2557776-14 WG2115371
142	66 L2557776-15 WG2115371
143	67 Check STD(5ug/L)
144	68 Check Blank
145	69 Check STD(5ug/L)
146	70 Check Blank
1	11 WG2116762-1 WG2116762
2	12 WG2116762-2 WG2116762
3	13 L2558214-02 WG2116762
4	14 WG2116762-3 WG2116762
5	15 WG2116762-4 WG2116762
6	16 L2557292-05 WG2116762
7	17 L2557292-06 WG2116762
8	18 L2557428-02 WG2116762
9	19 L2557428-03 WG2116762
10	20 L2557733-01 WG2116762
11	21 Check STD(5ug/L)
12	22 Check Blank
13	23 WG2115418-1 WG2115418
14	24 WG2115418-2 WG2115418
15	25 L2556676-09 WG2115418
16	26 WG2115418-3 WG2115418
17	27 WG2115418-4 WG2115418
18	28 L2556676-03 WG2115418
19	29 WG2115418-5 WG2115418
20	30 WG2115418-6 WG2115418
21	31 L2556676-02 WG2115418
22	32 L2556676-04 WG2115418
23	33 Check STD(5ug/L)

24	34 Check Blank
25	35 L2556676-05 WG2115418
26	36 L2556676-06 WG2115418
27	37 L2556676-07 WG2115418
28	38 L2556676-08 WG2115418
29	39 L2556676-10 WG2115418
30	40 L2556676-11 WG2115418
31	41 L2556676-12 WG2115418
32	45 Check STD(5ug/L)
33	46 Check Blank

No.	Sample No. NAME	CURVE:WG2115548
1	1 STD	
2	2 STD	
3	3 STD	
4	4 STD	
5	5 STD	
6	6 STD	
1	7 ICV	
2	8 ICB	
3	9 Q3 LOQ Day 1 JWN	
4	10 WG2114998-1 WG2114998	
5	11 WG2114998-2 WG2114998	
6	12 I2556676-08 WG2114998	
7	13 WG2114998-3 WG2114998	
8	14 WG2114998-4 WG2114998	
9	15 I2556676-09 WG2114998	
10	16 WG2114998-5 WG2114998	
11	17 WG2114998-6 WG2114998	
12	18 I2556676-02 WG2114998	
13	19 Check STD(5ug/L)	
14	20 Check Blank	
15	21 I2556676-03 WG2114998	
16	22 I2556676-04 WG2114998	
17	23 I2556676-05 WG2114998	
18	24 I2556676-06 WG2114998	
19	25 I2556676-07 WG2114998	
20	26 I2556676-10 WG2114998	
21	27 I2556676-11 WG2114998	
22	28 I2556676-12 WG2114998	
23	29 I2557648-01 WG2114998	
24	30 I2557648-02 WG2114998	
25	31 Check STD(5ug/L)	
26	32 Check Blank	
27	33 WG2116994-1 WG2116994	
28	34 WG2116994-2 WG2116994	
29	35 L2556694-07 WG2116994	
30	36 WG2116994-3 WG2116994	
31	37 WG2116994-4 WG2116994	
32	38 L2558777-01 WG2116994	
33	39 L2558777-02 WG2116994	
34	40 WG2117029-1 WG2117029	
35	41 WG2117029-2 WG2117029	
36	42 L2559020-01 WG2117029	
37	43 Check STD(5ug/L)	

38	44 Check Blank
39	45 WG2117029-3 WG2117029
40	46 WG2117029-4 WG2117029
41	47 Check STD(5ug/L)
42	48 Check Blank
43	49 WG2116805-1 WG2116805
44	50 WG2116805-2 WG2116805
45	51 L2556685-03 WG2116805
46	52 WG2116805-3 WG2116805
47	53 WG2116805-4 WG2116805
48	54 L2554366-01 WG2116805
49	55 Check STD(5ug/L)
50	56 Check Blank
51	57 WG2115676-1 WG2115676
52	58 WG2115676-2 WG2115676
53	59 L2557076-03 WG2115676
54	60 WG2115676-3 WG2115676
55	61 WG2115676-4 WG2115676
56	62 L2557076-02 WG2115676
57	63 L2557076-04 WG2115676
58	64 L2557076-05 WG2115676
59	65 L2557076-06 WG2115676
60	66 L2557076-07 WG2115676
61	67 Check STD(5ug/L)
62	68 Check Blank
63	69 L2557076-08 WG2115676
64	70 L2557076-09 WG2115676
65	71 L2557076-10 WG2115676
66	72 L2557734-01 WG2115676
67	73 WG2116271-1 WG2116271
68	74 WG2116271-2 WG2116271
69	75 L2558325-02 WG2116271
70	76 WG2116271-3 WG2116271
71	77 WG2116271-4 WG2116271
72	78 L2558468-01 WG2116271
73	79 Check STD(5ug/L)
74	80 Check Blank
75	1 L2558468-02 WG2116271
76	2 L2558468-03 WG2116271
77	3 L2558468-04 WG2116271
78	4 L2558520-01 WG2116271
79	5 WG2116536-1 WG2116536
80	6 WG2116536-2 WG2116536
81	7 L2558152-02 WG2116536

82	8 WG2116536-3 WG2116536
83	9 WG2116536-4 WG2116536
84	10 L2558152-01 WG2116536
85	11 Check STD(5ug/L)
86	12 Check Blank
87	13 L2558152-05 WG2116536
88	14 L2558152-06 WG2116536
89	15 L2558152-07 WG2116536
90	16 L2558152-08 WG2116536
91	17 L2558152-09 WG2116536
92	18 L2558152-10 WG2116536
93	19 L2558152-11 WG2116536
94	20 L2558152-12 WG2116536
95	21 L2558152-13 WG2116536
96	22 L2558152-14 WG2116536
97	23 Check STD(5ug/L)
98	24 Check Blank
99	25 L2558379-03 WG2116536
100	26 L2558379-04 WG2116536
101	27 L2558379-05 WG2116536
102	28 XL2558379-06 WG2116536
103	29 L2558379-07 WG2116536
104	30 L2558379-08 WG2116536
105	31 WG2115519-1 WG2115519
106	32 WG2115519-2 WG2115519
107	33 L2558026-05 WG2115519
108	34 WG2115519-3 WG2115519
109	35 Check STD(5ug/L)
110	36 Check Blank
111	37 WG2115519-4 WG2115519
112	38 L2558026-06 WG2115519
113	39 L2555226-01 WG2116805
114	40 L2555226-03 WG2116805
115	41 L2555910-03 WG2116805
116	42 L2555910-05 WG2116805
117	43 L2557288-01 WG2116805
118	44 L2557288-04 WG2116805
119	45 L2558233-01 WG2116805
120	46 L2558058-01 WG2116994
121	47 Check STD(5ug/L)
122	48 Check Blank
123	49 L2558245-03 WG2116994
124	50 L2558245-04 WG2116994
125	51 L2558351-02 WG2116994

126	52 L2558351-03 WG2116994
127	53 L2558351-04 WG2116994
128	54 L2558351-05 WG2116994
129	55 L2558694-01 WG2116994
130	56 L2558694-02 WG2116994
131	57 L2558379-06 WG2116536
132	59 Check STD(5ug/L)
133	60 Check Blank
134	61 WG2117063-1 WG2117063
135	62 WG2117063-2 WG2117063
136	63 L2559075-01 WG2117063
137	64 WG2117063-3 WG2117063
138	65 WG2117063-4 WG2117063
139	66 WG2117067-1 WG2117067
140	67 WG2117067-2 WG2117067
141	68 L2557432-01 WG2117067
142	69 WG2117067-3 WG2117067
143	70 WG2117067-4 WG2117067
144	71 Check STD(5ug/L)
145	72 Check Blank



METALS ELN REPORT

Workgroup: WG2114998

Digestion										
Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 245.1	HNO3	24022614	H2SO4	24009418	METALS	METSPIKE	HG2536090850AJTV2	METSPIKE	HG25360908328, 34450AJTV2	
Additional Reagent/Std		K2O8S2		PS091025NRS						
		KMnO4		PP2536111402RJG						
		NaCl-NH2OH.HCl		HH2537131445CME						
				ICV2091125AJT						

Sample/Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol ml	Spike Amt	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2556676-02 SAMP	09/15/25 22:05	Maisie Mcqueen	NA	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	
L2556676-03 SAMP	09/15/25 22:05	Maisie Mcqueen	NA	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	
L2556676-04 SAMP	09/15/25 22:05	Maisie Mcqueen	NA	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	
L2556676-05 SAMP	09/15/25 22:05	Maisie Mcqueen	NA	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	
L2556676-06 SAMP	09/15/25 22:05	Maisie Mcqueen	NA	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	
L2556676-07 SAMP	09/15/25 22:05	Maisie Mcqueen	NA	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	
L2556676-08 SAMP	09/15/25 22:05	Maisie Mcqueen	NA	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	
L2556676-09 SAMP	09/15/25 22:05	Maisie Mcqueen	NA	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	



METALS ELN REPORT

Workgroup: WG2114998

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol	Comments
L2556676-10 SAMP	09/15/25 22:05	Maisie Mcqueen	NA	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	
L2556676-11 SAMP	09/15/25 22:05	Maisie Mcqueen	NA	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	
L2556676-12 SAMP	09/15/25 22:05	Maisie Mcqueen	NA	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	
L2557648-01 SAMP	09/15/25 22:05	Maisie Mcqueen	09-12-25 22:24	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	
L2557648-02 SAMP	09/15/25 22:05	Maisie Mcqueen	09-12-25 22:24	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	
WG2114998-1 BLANK	09/15/25 22:05	Maisie Mcqueen	09/11/25 13:41	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	ELN:ALC
WG2114998-2 LCS	09/15/25 22:05	Maisie Mcqueen	NA	25	0.25	09/15/25 22:05	5	95.0	09/16/25 00:05	25	
WG2114998-3 MS	09/15/25 22:05	Maisie Mcqueen	NA	25	1.25	09/15/25 22:05	5	95.0	09/16/25 00:05	25	
WG2114998-4 DUP	09/15/25 22:05	Maisie Mcqueen	NA	25		09/15/25 22:05	5	95.0	09/16/25 00:05	25	
WG2114998-5 MS	09/15/25 22:05	Maisie Mcqueen	NA	25	1.25	09/15/25 22:05	5	95.0	09/16/25 00:05	25	
WG2114998-6 MSD	09/15/25 22:05	Maisie Mcqueen	NA	25	1.25	09/15/25 22:05	5	95.0	09/16/25 00:05	25	



METALS ELN REPORT

Workgroup: WG2114998

Reagent	Actual Volume	Units
Sulfuric Acid (H2SO4)	1.25	ml
Nitric Acid (HNO3)	.625	ml
Potassium Permanganal	3.75	ml
Potassium Persulfate (K:	2	ml
NaCl-Hydroxylamine Hy	1.5	ml



METALS ELN REPORT

Workgroup: WG2115418

Digestion										
Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 245.1	HNO3	24022614	H2SO4	24009418	METALS	METSPIKE	HG2536090850AJTV2	METSPIKE	HG25360908328, 34450AJTV2	
Additional Reagent/Std		K2O8S2		PS091025NRS						
		KMnO4		PP2536111402RJG						
		NaCl-NH2OH.HCl		HH2537131445CME						
				ICV2091125AJT						

Sample/Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2556676-02 SAMP	09/16/25 11:34	Andre Visouveth	25		09/16/25 11:34	5	95.0	09/16/25 13:39	25	
L2556676-03 SAMP	09/16/25 11:34	Andre Visouveth	25		09/16/25 11:34	5	95.0	09/16/25 13:39	25	
L2556676-04 SAMP	09/16/25 11:34	Andre Visouveth	25		09/16/25 11:34	5	95.0	09/16/25 13:39	25	
L2556676-05 SAMP	09/16/25 11:34	Andre Visouveth	25		09/16/25 11:34	5	95.0	09/16/25 13:39	25	
L2556676-06 SAMP	09/16/25 11:34	Andre Visouveth	25		09/16/25 11:34	5	95.0	09/16/25 13:39	25	
L2556676-07 SAMP	09/16/25 11:34	Andre Visouveth	25		09/16/25 11:34	5	95.0	09/16/25 13:39	25	
L2556676-08 SAMP	09/16/25 11:34	Andre Visouveth	25		09/16/25 11:34	5	95.0	09/16/25 13:39	25	
L2556676-09 SAMP	09/16/25 11:34	Andre Visouveth	25		09/16/25 11:34	5	95.0	09/16/25 13:39	25	



METALS ELN REPORT

Workgroup: WG2115418

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2556676-10 SAMP	09/16/25 11:34	Andre Visouveth	25		09/16/25 11:34	5	95.0	09/16/25 13:39	25	
L2556676-11 SAMP	09/16/25 11:34	Andre Visouveth	25		09/16/25 11:34	5	95.0	09/16/25 13:39	25	
L2556676-12 SAMP	09/16/25 11:34	Andre Visouveth	25		09/16/25 11:34	5	95.0	09/16/25 13:39	25	
WG2115418-1 BLANK	09/16/25 11:34	Andre Visouveth	25		09/16/25 11:34	5	95.0	09/16/25 13:39	25	ELN: NRS
WG2115418-2 LCS	09/16/25 11:34	Andre Visouveth	25	0.25	09/16/25 11:34	5	95.0	09/16/25 13:39	25	
WG2115418-3 MS	09/16/25 11:34	Andre Visouveth	25	1.25	09/16/25 11:34	5	95.0	09/16/25 13:39	25	
WG2115418-4 MSD	09/16/25 11:34	Andre Visouveth	25	1.25	09/16/25 11:34	5	95.0	09/16/25 13:39	25	
WG2115418-5 MS	09/16/25 11:34	Andre Visouveth	25	1.25	09/16/25 11:34	5	95.0	09/16/25 13:39	25	
WG2115418-6 DUP	09/16/25 11:34	Andre Visouveth	25		09/16/25 11:34	5	95.0	09/16/25 13:39	25	



METALS ELN REPORT

Workgroup: WG2115418

Reagent	Actual Volume	Units
Sulfuric Acid (H ₂ SO ₄)	1.25	ml
Nitric Acid (HNO ₃)	.625	ml
Potassium Permanganal	3.75	ml
Potassium Persulfate (K:	2	ml
NaCl-Hydroxylamine Hy	1.5	ml

Metals

Inorganic Data (ICP Analysis)

Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-03
 Client ID : 5A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2116354.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/18/25 18:15
 Dilution Factor : 1
 Analyst : LRS
 Instrument ID : TRACE8
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	0.0108	0.0500	0.0071	J
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0129	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	22.8	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	4.77	0.100	0.0153	
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.53	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	10.9	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115668-1
Client ID : WG2115668-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2116354.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2557076
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/18/25 18:08
Dilution Factor : 1
Analyst : LRS
Instrument ID : TRACE8
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	ND	0.100	0.0350	U
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	ND	0.100	0.0153	U
7439-96-5	Manganese, Total	0.0017	0.0100	0.0016	J
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	ND	2.50	0.237	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	ND	2.00	0.120	U
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115668-4
Client ID : 5ADUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2116354.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 12:20
Date Received : 09/10/25
Date Analyzed : 09/18/25 18:22
Dilution Factor : 1
Analyst : LRS
Instrument ID : TRACE8
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.032	U
7440-36-0	Antimony, Total	0.0125	0.0500	0.007	J
7440-38-2	Arsenic, Total	ND	0.0050	0.002	U
7440-39-3	Barium, Total	0.0130	0.0100	0.002	
7440-41-7	Beryllium, Total	ND	0.0050	0.001	U
7440-43-9	Cadmium, Total	ND	0.0050	0.001	U
7440-70-2	Calcium, Total	22.9	0.100	0.035	
7440-47-3	Chromium, Total	ND	0.0100	0.002	U
7440-48-4	Cobalt, Total	ND	0.0200	0.002	U
7440-50-8	Copper, Total	ND	0.0100	0.002	U
7439-89-6	Iron, Total	ND	0.0500	0.009	U
7439-92-1	Lead, Total	ND	0.0100	0.003	U
7439-95-4	Magnesium, Total	4.80	0.100	0.015	
7439-96-5	Manganese, Total	ND	0.0100	0.002	U
7440-02-0	Nickel, Total	ND	0.0250	0.002	U
7440-09-7	Potassium, Total	1.54	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.004	U
7440-22-4	Silver, Total	ND	0.0070	0.003	U
7440-23-5	Sodium, Total	10.9	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.003	U
7440-62-2	Vanadium, Total	ND	0.0100	0.002	U
7440-66-6	Zinc, Total	ND	0.0050	0.002	U



Form 1 METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115674-1
Client ID : WG2115674-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2119102.csv
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2557076
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/24/25 16:00
Dilution Factor : 1
Analyst : JMF
Instrument ID : TRACE7
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	0.0690	0.100	0.0350	J
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	ND	0.100	0.0153	U
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	ND	2.50	0.237	U
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	ND	2.00	0.120	U
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115674-8
Client ID : WG2115674-8 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2119102.csv
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/12/25 13:30
Date Received : 09/12/25
Date Analyzed : 09/24/25 16:44
Dilution Factor : 5
Analyst : JMF
Instrument ID : TRACE7
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-95-4	Magnesium, Dissolved	1140	0.500	0.077	
7439-96-5	Manganese, Dissolved	0.0277	0.0500	0.008	J
7440-62-2	Vanadium, Dissolved	ND	0.0500	0.010	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-02
 Client ID : FIELD BLANK
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2119734.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:40
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 19:25
 Dilution Factor : 1
 Analyst : ZPC
 Instrument ID : TRACE10
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	ND	0.100	0.0350	U
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	ND	0.100	0.0153	U
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	ND	2.50	0.237	U
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	ND	2.00	0.120	U
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0027	0.0050	0.0021	J



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-03
 Client ID : 5A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2119734.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 19:47
 Dilution Factor : 1
 Analyst : ZPC
 Instrument ID : TRACE10
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0133	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	23.4	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	4.75	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.64	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	10.8	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-04
 Client ID : 5B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2119734.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 18:39
 Dilution Factor : 1
 Analyst : ZPC
 Instrument ID : TRACE10
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0550	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	15.1	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	6.55	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.05	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	12.0	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-05
 Client ID : 6A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2119734.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:00
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 19:52
 Dilution Factor : 1
 Analyst : ZPC
 Instrument ID : TRACE10
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0228	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	33.9	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	0.0251	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	7.02	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0030	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	0.0042	0.0250	0.0024	J
7440-09-7	Potassium, Dissolved	1.25	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	9.80	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2119734.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 19:57
 Dilution Factor : 1
 Analyst : ZPC
 Instrument ID : TRACE10
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0429	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	21.5	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	5.27	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.22	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	13.7	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-07
 Client ID : 7A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2119734.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:40
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 20:03
 Dilution Factor : 1
 Analyst : ZPC
 Instrument ID : TRACE10
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0784	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	55.8	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	10.4	0.100	0.0153	
7439-96-5	Manganese, Dissolved	2.79	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	9.66	2.50	0.237	
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	10.1	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2119734.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 20:08
 Dilution Factor : 1
 Analyst : ZPC
 Instrument ID : TRACE10
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0396	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	55.0	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	0.0621	0.0500	0.0090	
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	11.3	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0493	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.78	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	11.3	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-09
 Client ID : 10A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2119734.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:05
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 20:13
 Dilution Factor : 1
 Analyst : ZPC
 Instrument ID : TRACE10
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0357	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	15.9	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	4.17	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0018	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	2.06	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	13.4	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-10
 Client ID : 10B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2119734.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 10:55
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 20:34
 Dilution Factor : 1
 Analyst : ZPC
 Instrument ID : TRACE10
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0224	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	14.0	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	0.0041	0.0200	0.0017	J
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	0.518	0.0500	0.0090	
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	6.01	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0321	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	0.0069	0.0250	0.0024	J
7440-09-7	Potassium, Dissolved	1.23	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	13.5	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0124	0.0050	0.0021	



Form 1 METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115674-4
Client ID : 5BDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2119734.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 12:20
Date Received : 09/10/25
Date Analyzed : 09/25/25 18:49
Dilution Factor : 1
Analyst : ZPC
Instrument ID : TRACE10
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.032	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.007	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.002	U
7440-39-3	Barium, Dissolved	0.0555	0.0100	0.002	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.001	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.001	U
7440-70-2	Calcium, Dissolved	14.9	0.100	0.035	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.002	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.002	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.002	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.009	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.003	U
7439-95-4	Magnesium, Dissolved	6.38	0.100	0.015	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.002	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.002	U
7440-09-7	Potassium, Dissolved	1.06	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.004	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.003	U
7440-23-5	Sodium, Dissolved	12.0	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.003	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.002	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.002	U



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE8

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.4920	98							
Antimony	0.500	0.5200	104							
Arsenic	0.500	0.4840	97							
Barium	0.500	0.5060	101							
Beryllium	0.500	0.5220	104							
Cadmium	0.500	0.5200	104							
Calcium	0.500	0.5220	104							
Chromium	0.500	0.5120	102							
Cobalt	0.500	0.5240	105							
Copper	0.500	0.5160	103							
Iron	0.500	0.5160	103							
Lead	0.500	0.4980	100							
Magnesium	0.500	0.5140	103							
Manganese	0.500	0.5200	104							
Nickel	0.500	0.5250	105							
Potassium	5.00	5.2300	105							
Selenium	0.500	0.4890	98							
Silver	0.500	0.4960	99							
Sodium	10.0	10.4000	104							
Thallium	0.500	0.5120	102							
Vanadium	0.500	0.5160	103							
Zinc	0.500	0.5200	104							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE8

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	Lab ID	: R2012342-3		R2012342-6			R2012342-8		R2012342-10	
	Date Analyzed:	09/18/25 06:38		09/18/25 07:39			09/18/25 08:40		09/18/25 08:51	
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.4940	99	0.5000	0.494	99	0.494	99	0.490	98
Antimony	0.500	0.5260	105	0.5000	0.541	108	0.526	105	0.527	105
Arsenic	0.500	0.4860	97	0.5000	0.500	100	0.485	97	0.488	98
Barium	0.500	0.5140	103	0.5000	0.511	102	0.507	101	0.506	101
Beryllium	0.500	0.5240	105	0.5000	0.525	105	0.520	104	0.522	104
Cadmium	0.500	0.5200	104	0.5000	0.531	106	0.521	104	0.522	104
Calcium	0.500	0.5180	104	0.5000	0.525	105	0.540	108	0.533	107
Chromium	0.500	0.5140	103	0.5000	0.522	104	0.516	103	0.516	103
Cobalt	0.500	0.5240	105	0.5000	0.533	107	0.524	105	0.524	105
Copper	0.500	0.5210	104	0.5000	0.530	106	0.519	104	0.518	104
Iron	0.500	0.5160	103	0.5000	0.517	103	0.556	111	0.520	104
Lead	0.500	0.5030	101	0.5000	0.503	101	0.500	100	0.502	100
Magnesium	0.500	0.5180	104	0.5000	0.538	108	0.520	104	0.521	104
Manganese	0.500	0.5230	105	0.5000	0.524	105	0.521	104	0.523	105
Nickel	0.500	0.5250	105	0.5000	0.538	108	0.527	105	0.530	106
Potassium	5.00	5.2800	106	5.0000	5.28	106	5.18	104	5.21	104
Selenium	0.500	0.4910	98	0.5000	0.510	102	0.489	98	0.491	98
Silver	0.500	0.5030	101	0.5000	0.514	103	0.500	100	0.501	100
Sodium	10.0	10.5000	105	10.0000	10.5	105	10.4	104	10.5	105
Thallium	0.500	0.5100	102	0.5000	0.511	102	0.510	102	0.514	103
Vanadium	0.500	0.5200	104	0.5000	0.524	105	0.519	104	0.520	104
Zinc	0.500	0.5150	103	0.5000	0.534	107	0.520	104	0.520	104

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE8

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)							
	Lab ID : Date Analyzed :			R2012342-12 09/18/25 09:50			R2012342-14 09/18/25 11:23		R2012342-16 09/18/25 12:42		
	True	Found	%R	True	Found	%R	Found	%R	Found	%R	
Aluminum				0.5000	0.493	99	0.484	97	0.487	97	
Antimony				0.5000	0.538	108	0.517	103	0.533	107	
Arsenic				0.5000	0.500	100	0.484	97	0.487	97	
Barium				0.5000	0.506	101	0.503	101	0.497	99	
Beryllium				0.5000	0.526	105	0.521	104	0.522	104	
Cadmium				0.5000	0.534	107	0.513	103	0.513	103	
Calcium				0.5000	0.532	106	0.519	104	0.550	110	
Chromium				0.5000	0.524	105	0.510	102	0.510	102	
Cobalt				0.5000	0.528	106	0.512	102	0.508	102	
Copper				0.5000	0.532	106	0.515	103	0.512	102	
Iron				0.5000	0.520	104	0.510	102	0.510	102	
Lead				0.5000	0.501	100	0.497	99	0.502	100	
Magnesium				0.5000	0.540	108	0.509	102	0.514	103	
Manganese				0.5000	0.526	105	0.519	104	0.519	104	
Nickel				0.5000	0.536	107	0.518	104	0.519	104	
Potassium				5.0000	5.26	105	5.17	103	5.18	104	
Selenium				0.5000	0.510	102	0.484	97	0.491	98	
Silver				0.5000	0.514	103	0.493	99	0.493	99	
Sodium				10.0000	10.5	105	10.4	104	10.4	104	
Thallium				0.5000	0.513	103	0.511	102	0.514	103	
Vanadium				0.5000	0.527	105	0.515	103	0.514	103	
Zinc				0.5000	0.531	106	0.508	102	0.508	102	

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE8

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2012342-18 09/18/25 13:19			R2012342-20 09/18/25 15:03		R2012342-22 09/18/25 16:17	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.484	97	0.481	96	0.482	96
Antimony					0.5000	0.530	106	0.522	104	0.519	104
Arsenic					0.5000	0.486	97	0.489	98	0.490	98
Barium					0.5000	0.498	100	0.498	100	0.503	101
Beryllium					0.5000	0.520	104	0.521	104	0.522	104
Cadmium					0.5000	0.510	102	0.514	103	0.510	102
Calcium					0.5000	0.528	106	0.511	102	0.530	106
Chromium					0.5000	0.507	101	0.510	102	0.505	101
Cobalt					0.5000	0.510	102	0.511	102	0.510	102
Copper					0.5000	0.516	103	0.522	104	0.514	103
Iron					0.5000	0.507	101	0.506	101	0.525	105
Lead					0.5000	0.499	100	0.501	100	0.499	100
Magnesium					0.5000	0.507	101	0.511	102	0.509	102
Manganese					0.5000	0.518	104	0.516	103	0.518	104
Nickel					0.5000	0.515	103	0.520	104	0.519	104
Potassium					5.0000	5.17	103	5.11	102	5.10	102
Selenium					0.5000	0.491	98	0.496	99	0.497	99
Silver					0.5000	0.492	98	0.497	99	0.490	98
Sodium					10.0000	10.4	104	10.4	104	10.5	105
Thallium					0.5000	0.512	102	0.518	104	0.516	103
Vanadium					0.5000	0.513	103	0.515	103	0.512	102
Zinc					0.5000	0.503	101	0.506	101	0.503	101

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE8

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2012342-24 09/18/25 16:57			R2012342-26 09/18/25 17:41		R2012342-28 09/18/25 17:56	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.482	96	0.476	95	0.479	96
Antimony					0.5000	0.519	104	0.531	106	0.520	104
Arsenic					0.5000	0.489	98	0.490	98	0.486	97
Barium					0.5000	0.500	100	0.496	99	0.499	100
Beryllium					0.5000	0.521	104	0.516	103	0.518	104
Cadmium					0.5000	0.511	102	0.506	101	0.505	101
Calcium					0.5000	0.524	105	0.513	103	0.511	102
Chromium					0.5000	0.505	101	0.502	100	0.502	100
Cobalt					0.5000	0.511	102	0.508	102	0.505	101
Copper					0.5000	0.513	103	0.518	104	0.513	103
Iron					0.5000	0.522	104	0.509	102	0.508	102
Lead					0.5000	0.498	100	0.493	99	0.494	99
Magnesium					0.5000	0.508	102	0.500	100	0.503	101
Manganese					0.5000	0.516	103	0.513	103	0.513	103
Nickel					0.5000	0.518	104	0.514	103	0.514	103
Potassium					5.0000	5.10	102	5.05	101	5.07	101
Selenium					0.5000	0.493	99	0.496	99	0.494	99
Silver					0.5000	0.491	98	0.490	98	0.490	98
Sodium					10.0000	10.4	104	10.4	104	10.4	104
Thallium					0.5000	0.513	103	0.512	102	0.510	102
Vanadium					0.5000	0.512	102	0.510	102	0.508	102
Zinc					0.5000	0.504	101	0.497	99	0.498	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE8

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum				0.5000	0.480	96				
Antimony				0.5000	0.518	104				
Arsenic				0.5000	0.482	96				
Barium				0.5000	0.500	100				
Beryllium				0.5000	0.519	104				
Cadmium				0.5000	0.504	101				
Calcium				0.5000	0.513	103				
Chromium				0.5000	0.502	100				
Cobalt				0.5000	0.503	101				
Copper				0.5000	0.507	101				
Iron				0.5000	0.510	102				
Lead				0.5000	0.496	99				
Magnesium				0.5000	0.499	100				
Manganese				0.5000	0.515	103				
Nickel				0.5000	0.511	102				
Potassium				5.0000	5.09	102				
Selenium				0.5000	0.488	98				
Silver				0.5000	0.486	97				
Sodium				10.0000	10.4	104				
Thallium				0.5000	0.511	102				
Vanadium				0.5000	0.508	102				
Zinc				0.5000	0.495	99				

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE7

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Antimony	0.500	0.5000	100							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE7

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)										
	Lab ID	: R2014287-3			R2014287-6			R2014287-8		R2014287-10				
	Date Analyzed	: 09/23/25 13:48			09/23/25 15:32			09/23/25 16:45		09/23/25 18:24				
		True	Found	%R	True	Found	%R	Found	%R	Found	%R			
Antimony		0.500	0.5140	103		0.5000	0.508	102		0.502	100		0.500	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE7

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2014287-12 09/23/25 20:07			R2014287-14 09/23/25 21:12			
					True	Found	%R	Found	%R	Found	%R
Antimony					0.5000	0.498	100	0.492	98		

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE7

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.4790	96							
Antimony	0.500	0.5030	101							
Arsenic	0.500	0.4740	95							
Barium	0.500	0.4780	96							
Beryllium	0.500	0.4890	98							
Cadmium	0.500	0.4920	98							
Calcium	0.500	0.5010	100							
Chromium	0.500	0.4880	98							
Cobalt	0.500	0.5000	100							
Copper	0.500	0.4890	98							
Iron	0.500	0.4940	99							
Lead	0.500	0.5020	100							
Magnesium	0.500	0.4840	97							
Manganese	0.500	0.4920	98							
Nickel	0.500	0.5000	100							
Potassium	5.00	4.9300	99							
Selenium	0.500	0.4850	97							
Silver	0.500	0.4750	95							
Sodium	10.0	9.7400	97							
Thallium	0.500	0.5110	102							
Vanadium	0.500	0.4850	97							
Zinc	0.500	0.4960	99							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE7

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	Lab ID	: R2014883-3		R2014883-6			R2014883-8			
	Date Analyzed:	09/24/25 14:29		09/24/25 15:43			09/24/25 16:57			
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.4930	99	0.5000	0.486	97	0.478	96		
Antimony	0.500	0.5110	102	0.5000	0.520	104	0.507	101		
Arsenic	0.500	0.4850	97	0.5000	0.486	97	0.474	95		
Barium	0.500	0.4920	98	0.5000	0.491	98	0.480	96		
Beryllium	0.500	0.5050	101	0.5000	0.500	100	0.483	97		
Cadmium	0.500	0.4990	100	0.5000	0.501	100	0.492	98		
Calcium	0.500	0.5230	105	0.5000	0.516	103	0.503	101		
Chromium	0.500	0.4970	99	0.5000	0.493	99	0.479	96		
Cobalt	0.500	0.5050	101	0.5000	0.514	103	0.500	100		
Copper	0.500	0.4960	99	0.5000	0.499	100	0.484	97		
Iron	0.500	0.5070	101	0.5000	0.501	100	0.485	97		
Lead	0.500	0.5110	102	0.5000	0.512	102	0.504	101		
Magnesium	0.500	0.4950	99	0.5000	0.490	98	0.482	96		
Manganese	0.500	0.5070	101	0.5000	0.502	100	0.486	97		
Nickel	0.500	0.5070	101	0.5000	0.510	102	0.499	100		
Potassium	5.00	5.0600	101	5.0000	5.06	101	5.11	102		
Selenium	0.500	0.4910	98	0.5000	0.490	98	0.483	97		
Silver	0.500	0.4830	97	0.5000	0.484	97	0.468	94		
Sodium	10.0	9.9800	100	10.0000	10.0	100	10.3	103		
Thallium	0.500	0.5160	103	0.5000	0.525	105	0.514	103		
Vanadium	0.500	0.4960	99	0.5000	0.489	98	0.476	95		
Zinc	0.500	0.5040	101	0.5000	0.503	101	0.495	99		

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE10

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.4870	97							
Antimony	0.500	0.4980	100							
Arsenic	0.500	0.4750	95							
Barium	0.500	0.4900	98							
Beryllium	0.500	0.5150	103							
Cadmium	0.500	0.4910	98							
Calcium	0.500	0.5180	104							
Chromium	0.500	0.5100	102							
Cobalt	0.500	0.4970	99							
Copper	0.500	0.4940	99							
Iron	0.500	0.5200	104							
Lead	0.500	0.5010	100							
Magnesium	0.500	0.5070	101							
Manganese	0.500	0.5240	105							
Nickel	0.500	0.5040	101							
Potassium	5.00	5.0800	102							
Selenium	0.500	0.4830	97							
Silver	0.500	0.4850	97							
Sodium	10.0	9.9300	99							
Thallium	0.500	0.5040	101							
Vanadium	0.500	0.5120	102							
Zinc	0.500	0.5000	100							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE10

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)							
	Lab ID	: R2015421-3		R2015421-6			R2015421-8		R2015421-10		
	Date Analyzed:	09/25/25 16:05		09/25/25 16:54			09/25/25 19:12		09/25/25 20:18		
	True	Found	%R	True	Found	%R	Found	%R	Found	%R	
Aluminum	0.500	0.4820	96	0.5000	0.486	97	0.486	97	0.484	97	
Antimony	0.500	0.4960	99	0.5000	0.497	99	0.500	100	0.499	100	
Arsenic	0.500	0.4700	94	0.5000	0.471	94	0.473	95	0.474	95	
Barium	0.500	0.4870	97	0.5000	0.490	98	0.493	99	0.496	99	
Beryllium	0.500	0.5070	101	0.5000	0.494	99	0.513	103	0.514	103	
Cadmium	0.500	0.4870	97	0.5000	0.487	97	0.493	99	0.494	99	
Calcium	0.500	0.5060	101	0.5000	0.480	96	0.516	103	0.511	102	
Chromium	0.500	0.5060	101	0.5000	0.503	101	0.512	102	0.516	103	
Cobalt	0.500	0.4930	99	0.5000	0.492	98	0.497	99	0.499	100	
Copper	0.500	0.4920	98	0.5000	0.489	98	0.506	101	0.510	102	
Iron	0.500	0.5010	100	0.5000	0.476	95	0.510	102	0.515	103	
Lead	0.500	0.4970	99	0.5000	0.499	100	0.499	100	0.498	100	
Magnesium	0.500	0.4980	100	0.5000	0.498	100	0.493	99	0.486	97	
Manganese	0.500	0.5050	101	0.5000	0.484	97	0.513	103	0.510	102	
Nickel	0.500	0.5000	100	0.5000	0.502	100	0.498	100	0.495	99	
Potassium	5.00	5.0000	100	5.0000	5.09	102	5.19	104	5.18	104	
Selenium	0.500	0.4790	96	0.5000	0.478	96	0.483	97	0.486	97	
Silver	0.500	0.4800	96	0.5000	0.477	95	0.492	98	0.496	99	
Sodium	10.0	9.9200	99	10.0000	9.96	100	10.0	100	10.1	101	
Thallium	0.500	0.4960	99	0.5000	0.499	100	0.503	101	0.504	101	
Vanadium	0.500	0.5070	101	0.5000	0.509	102	0.507	101	0.506	101	
Zinc	0.500	0.4950	99	0.5000	0.497	99	0.492	98	0.489	98	

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE10

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum				0.5000	0.497	99				
Antimony				0.5000	0.497	99				
Arsenic				0.5000	0.472	94				
Barium				0.5000	0.518	104				
Beryllium				0.5000	0.496	99				
Cadmium				0.5000	0.494	99				
Calcium				0.5000	0.508	102				
Chromium				0.5000	0.516	103				
Cobalt				0.5000	0.498	100				
Copper				0.5000	0.510	102				
Iron				0.5000	0.481	96				
Lead				0.5000	0.496	99				
Magnesium				0.5000	0.489	98				
Manganese				0.5000	0.472	94				
Nickel				0.5000	0.492	98				
Potassium				5.0000	5.47	109				
Selenium				0.5000	0.485	97				
Silver				0.5000	0.495	99				
Sodium				10.0000	10.7	107				
Thallium				0.5000	0.502	100				
Vanadium				0.5000	0.504	101				
Zinc				0.5000	0.488	98				

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE8

Lab Number : L2557076
Project Number : BSD1504

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
	Lab ID	Date Analyzed	R2012342-2	R2012342-7	R2012342-9	R2012342-11	WG2115668-1	
			09/18/25 06:34	09/18/25 07:43	09/18/25 08:44	09/18/25 08:55	09/18/25 18:08	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.0071	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.0019	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.0009	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.0010	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.0017	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.0022	U
Iron	0.00900	U	0.00900	U	0.0151	J	0.00900	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.0027	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.0017	J
Nickel	0.00240	U	0.00240	U	0.00240	U	0.0024	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.0035	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.0028	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.0025	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.0020	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.0021	U



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE8

Lab Number : L2557076
Project Number : BSD1504

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00948	J
Arsenic	0.00252	J	0.00190	U	0.00190	U	0.00190	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00394	J	0.00452	J	0.00443	J
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE8

Lab Number : L2557076
Project Number : BSD1504

Parameter	Initial Calibration		Continuing Calibration						Preparation
	Blank		Blank(s)						Blank
	Lab ID	Date Analyzed	R2012342-19	09/18/25 13:23	R2012342-21	09/18/25 15:07	R2012342-23	09/18/25 16:20	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U	
Antimony			0.00735	J	0.00710	U	0.00710	U	
Arsenic			0.00190	U	0.00190	U	0.00190	U	
Barium			0.00210	U	0.00210	U	0.00210	U	
Beryllium			0.000900	U	0.000900	U	0.000900	U	
Cadmium			0.00100	U	0.00100	U	0.00100	U	
Calcium			0.0350	U	0.0350	U	0.0350	U	
Chromium			0.00210	U	0.00210	U	0.00210	U	
Cobalt			0.00170	U	0.00170	U	0.00170	U	
Copper			0.00220	U	0.00220	U	0.00220	U	
Iron			0.00900	U	0.00900	U	0.00900	U	
Lead			0.00270	U	0.00270	U	0.00270	U	
Magnesium			0.0153	U	0.0153	U	0.0153	U	
Manganese			0.00160	U	0.00160	U	0.00160	U	
Nickel			0.00240	U	0.00240	U	0.00240	U	
Potassium			0.237	U	0.237	U	0.237	U	
Selenium			0.00350	U	0.00350	U	0.00350	U	
Silver			0.00280	U	0.00280	U	0.00280	U	
Sodium			0.120	U	0.120	U	0.120	U	
Thallium			0.00250	U	0.00250	U	0.00250	U	
Vanadium			0.00200	U	0.00200	U	0.00200	U	
Zinc			0.00210	U	0.00210	U	0.00210	U	



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE8

Lab Number : L2557076
Project Number : BSD1504

Parameter	Initial Calibration		Continuing Calibration						Preparation
	Blank		Blank(s)						Blank
	Lab ID	Date Analyzed	R2012342-25	R2012342-27	R2012342-29				
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U	
Antimony			0.00710	U	0.00710	U	0.00710	U	
Arsenic			0.00190	U	0.00190	U	0.00190	U	
Barium			0.00210	U	0.00210	U	0.00210	U	
Beryllium			0.000900	U	0.000900	U	0.000900	U	
Cadmium			0.00100	U	0.00100	U	0.00100	U	
Calcium			0.0350	U	0.0350	U	0.0350	U	
Chromium			0.00210	U	0.00210	U	0.00210	U	
Cobalt			0.00170	U	0.00170	U	0.00170	U	
Copper			0.00220	U	0.00220	U	0.00220	U	
Iron			0.00900	U	0.00900	U	0.00900	U	
Lead			0.00270	U	0.00270	U	0.00270	U	
Magnesium			0.0153	U	0.0153	U	0.0153	U	
Manganese			0.00160	U	0.00160	U	0.00160	U	
Nickel			0.00240	U	0.00240	U	0.00240	U	
Potassium			0.237	U	0.237	U	0.237	U	
Selenium			0.00350	U	0.00485	J	0.00393	J	
Silver			0.00280	U	0.00280	U	0.00280	U	
Sodium			0.120	U	0.120	U	0.120	U	
Thallium			0.00250	U	0.00250	U	0.00250	U	
Vanadium			0.00200	U	0.00200	U	0.00200	U	
Zinc			0.00210	U	0.00210	U	0.00210	U	



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE8

Lab Number : L2557076
Project Number : BSD1504

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U				
Antimony			0.00710	U				
Arsenic			0.00190	U				
Barium			0.00210	U				
Beryllium			0.000900	U				
Cadmium			0.00100	U				
Calcium			0.0350	U				
Chromium			0.00210	U				
Cobalt			0.00170	U				
Copper			0.00220	U				
Iron			0.00900	U				
Lead			0.00270	U				
Magnesium			0.0153	U				
Manganese			0.00160	U				
Nickel			0.00240	U				
Potassium			0.237	U				
Selenium			0.00453	J				
Silver			0.00280	U				
Sodium			0.120	U				
Thallium			0.00250	U				
Vanadium			0.00200	U				
Zinc			0.00210	U				



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: TRACE7		

	Initial Calibration		Continuing Calibration				Preparation
	Blank		Blank(s)				Blank
Lab ID	: R2014287-2		R2014287-7	R2014287-9	R2014287-11		
Date Analyzed:	09/23/25 13:44		09/23/25 15:37	09/23/25 16:49	09/23/25 18:28		
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	Q
Antimony	0.00710	U	0.00710	U	0.00710	U	



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: TRACE7		

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID	: R2014287-4		R2014287-13		R2014287-15			
Date Analyzed:	09/23/25 13:53		09/23/25 20:11		09/23/25 21:16			
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Antimony	0.00710	U	0.00710	U	0.00710	U		



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE7

Lab Number : L2557076
Project Number : BSD1504

Parameter	Initial Calibration		Continuing Calibration						Preparation	
	Blank		Blank(s)						Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U			0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U			0.0071	U
Arsenic	0.00190	U	0.00190	U	0.00190	U			0.0019	U
Barium	0.00210	U	0.00210	U	0.00210	U			0.0021	U
Beryllium	0.000900	U	0.000900	U	0.000900	U			0.0009	U
Cadmium	0.00100	U	0.00100	U	0.00100	U			0.0010	U
Calcium	0.0350	U	0.0350	U	0.0350	U			0.0690	J
Chromium	0.00210	U	0.00210	U	0.00210	U			0.0021	U
Cobalt	0.00170	U	0.00170	U	0.00170	U			0.0017	U
Copper	0.00220	U	0.00220	U	0.00220	U			0.0022	U
Iron	0.00900	U	0.00900	U	0.00900	U			0.0090	U
Lead	0.00270	U	0.00270	U	0.00270	U			0.0027	U
Magnesium	0.0153	U	0.0153	U	0.0153	U			0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U			0.0016	U
Nickel	0.00240	U	0.00240	U	0.00240	U			0.0024	U
Potassium	0.237	U	0.237	U	0.237	U			0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U			0.0035	U
Silver	0.00280	U	0.00280	U	0.00280	U			0.0028	U
Sodium	0.120	U	0.120	U	0.583	J			0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U			0.0025	U
Vanadium	0.00200	U	0.00200	U	0.00200	U			0.0020	U
Zinc	0.00210	U	0.00210	U	0.00210	U			0.0021	U



Form 3 Blanks

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID :

Lab Number : L2557076
 Project Number : BSD1504

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank
	mg/l	Q	Q	Q	Q	Q	Q
Aluminum	0.0318	U					
Antimony	0.00710	U					
Arsenic	0.00190	U					
Barium	0.00210	U					
Beryllium	0.000900	U					
Cadmium	0.00100	U					
Calcium	0.0350	U					
Chromium	0.00210	U					
Cobalt	0.00170	U					
Copper	0.00220	U					
Iron	0.00900	U					
Lead	0.00270	U					
Magnesium	0.0153	U					
Manganese	0.00160	U					
Nickel	0.00240	U					
Potassium	0.237	U					
Selenium	0.00350	U					
Silver	0.00280	U					
Sodium	0.120	U					
Thallium	0.00250	U					
Vanadium	0.00200	U					
Zinc	0.00210	U					



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE10

Lab Number : L2557076
Project Number : BSD1504

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE10

Lab Number : L2557076
Project Number : BSD1504

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U				
Antimony	0.00710	U	0.00710	U				
Arsenic	0.00190	U	0.00190	U				
Barium	0.00210	U	0.00210	U				
Beryllium	0.000900	U	0.000900	U				
Cadmium	0.00100	U	0.00100	U				
Calcium	0.0350	U	0.0350	U				
Chromium	0.00210	U	0.00210	U				
Cobalt	0.00170	U	0.00170	U				
Copper	0.00220	U	0.00220	U				
Iron	0.00900	U	0.00900	U				
Lead	0.00270	U	0.00270	U				
Magnesium	0.0153	U	0.0153	U				
Manganese	0.00160	U	0.00160	U				
Nickel	0.00240	U	0.00240	U				
Potassium	0.237	U	0.237	U				
Selenium	0.00350	U	0.00350	U				
Silver	0.00280	U	0.00280	U				
Sodium	0.120	U	0.120	U				
Thallium	0.00250	U	0.00250	U				
Vanadium	0.00200	U	0.00200	U				
Zinc	0.00210	U	0.00210	U				



Form 4a

Interference Check Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE8

Lab Number : L2557076
 Project Number : BSD1504
 Concentration Units : mg/l

Analyte	True		Initial Found		Final Found					
	Lab ID :		R2012342-5							
	Analysis Date :		09/18/25 06:48							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500		514.	103						
Antimony			-0.00933							
Arsenic			0.00154							
Barium			0.00203							
Beryllium			0.0000692							
Cadmium			-0.00557							
Calcium	500		478.	96						
Chromium			-0.000603							
Cobalt			-0.0000965							
Copper			0.00112							
Iron	200		185.	92						
Lead			-0.0163							
Magnesium	500		488.	98						
Manganese			0.00184							
Nickel			0.000501							
Potassium			0.0102							
Selenium			-0.00262							
Silver			0.00175							
Sodium			0.0136							
Thallium			0.00272							
Vanadium			0.000479							
Zinc			-0.00183							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE7

Lab Number : L2557076
Project Number : BSD1504
Concentration Units : mg/l

Analyte	True		Initial Found			Final Found			
	Sol.	Sol.	Sol.	%R	Sol.	%R	Sol.	%R	Sol.
	A	AB	A	%R	AB	%R	A	%R	AB
Antimony			0.000872						

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE7

Lab Number : L2557076
 Project Number : BSD1504
 Concentration Units : mg/l

Analyte	True		Initial Found				Final Found			
	Lab ID :		R2014883-5							
	Analysis Date :		09/24/25 14:42							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500		497.	99						
Antimony			-0.00350							
Arsenic			-0.000883							
Barium			0.00177							
Beryllium			-0.0000509							
Cadmium			-0.00323							
Calcium	500		474.	95						
Chromium			-0.000356							
Cobalt			0.000213							
Copper			0.00141							
Iron	200		179.	90						
Lead			-0.00530							
Magnesium	500		476.	95						
Manganese			0.00197							
Nickel			-0.0140							
Potassium			-0.0299							
Selenium			0.00835							
Silver			0.000744							
Sodium			0.0371							
Thallium			0.00179							
Vanadium			-0.00213							
Zinc			-0.00116							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE10

Lab Number : L2557076
 Project Number : BSD1504
 Concentration Units : mg/l

Analyte	True		Initial Found		Final Found					
	Lab ID :		R2015421-5							
	Analysis Date :		09/25/25 16:22							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500		516.	103						
Antimony			-0.00142							
Arsenic			-0.000665							
Barium			0.00217							
Beryllium			-0.0000873							
Cadmium			0.00131							
Calcium	500		462.	92						
Chromium			-0.000804							
Cobalt			0.0000419							
Copper			-0.00242							
Iron	200		175.	88						
Lead			-0.0158							
Magnesium	500		464.	93						
Manganese			0.00106							
Nickel			-0.00790							
Potassium			-0.00274							
Selenium			-0.00534							
Silver			-0.00123							
Sodium			0.0128							
Thallium			-0.00752							
Vanadium			0.00249							
Zinc			-0.000569							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 5A
 Lab Sample ID : L2557076-03
 Matrix Spike : WG2115668-3
 Matrix Spike Dup :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/18/25 18:18
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Total	ND	2	2.06	103					75-125	20
Antimony, Total	0.0108J	0.5	0.445	89					75-125	20
Arsenic, Total	ND	0.12	0.124	103					75-125	20
Barium, Total	0.0129	2	2.03	101					75-125	20
Beryllium, Total	ND	0.05	0.0524	105					75-125	20
Cadmium, Total	ND	0.053	0.0528	100					75-125	20
Calcium, Total	22.8	10	33.3	105					75-125	20
Chromium, Total	ND	0.2	0.200	100					75-125	20
Cobalt, Total	ND	0.5	0.494	99					75-125	20
Copper, Total	ND	0.25	0.257	103					75-125	20
Iron, Total	ND	1	1.02	102					75-125	20
Lead, Total	ND	0.53	0.526	99					75-125	20
Magnesium, Total	4.77	10	14.9	101					75-125	20
Manganese, Total	ND	0.5	0.509	102					75-125	20
Nickel, Total	ND	0.5	0.510	102					75-125	20
Potassium, Total	1.53J	10	11.9	119					75-125	20
Selenium, Total	ND	0.12	0.122	102					75-125	20
Silver, Total	ND	0.05	0.0520	104					75-125	20
Sodium, Total	10.9	10	21.6	107					75-125	20
Thallium, Total	ND	0.12	0.123	102					75-125	20
Vanadium, Total	ND	0.5	0.520	104					75-125	20
Zinc, Total	ND	0.5	0.500	100					75-125	20



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : L2557734-01
 Matrix Spike : WG2115674-7
 Matrix Spike Dup :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/24/25 16:39
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Dissolved	0.693	2	2.79	105					75-125	20
Antimony, Dissolved	ND	0.5	0.607	121					75-125	20
Arsenic, Dissolved	0.015J	0.12	0.178	148 Q					75-125	20
Barium, Dissolved	ND	2	1.97	98					75-125	20
Beryllium, Dissolved	ND	0.05	0.0492	98					75-125	20
Cadmium, Dissolved	ND	0.053	0.0592	112					75-125	20
Calcium, Dissolved	365	10	372.	70 Q					75-125	20
Chromium, Dissolved	ND	0.2	0.203	102					75-125	20
Cobalt, Dissolved	ND	0.5	0.540	108					75-125	20
Copper, Dissolved	0.017J	0.25	0.280	112					75-125	20
Iron, Dissolved	0.872	1	1.88	101					75-125	20
Lead, Dissolved	ND	0.53	0.559	105					75-125	20
Magnesium, Dissolved	1140	10	1120	0 Q					75-125	20
Manganese, Dissolved	0.0261J	0.5	0.511	102					75-125	20
Nickel, Dissolved	ND	0.5	0.530	106					75-125	20
Potassium, Dissolved	396	10	401.	50 Q					75-125	20
Selenium, Dissolved	ND	0.12	0.146	122					75-125	20
Silver, Dissolved	ND	0.05	0.0600	120					75-125	20
Sodium, Dissolved	7610	10	8050	4400Q					75-125	20
Thallium, Dissolved	0.013J	0.12	0.115	96					75-125	20
Vanadium, Dissolved	ND	0.5	0.509	102					75-125	20
Zinc, Dissolved	0.018J	0.5	0.586	117					75-125	20



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 5B
 Lab Sample ID : L2557076-04
 Matrix Spike : WG2115674-3
 Matrix Spike Dup :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/25/25 18:44
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Dissolved	ND	2	2.07	104					75-125	20
Antimony, Dissolved	ND	0.5	0.471	94					75-125	20
Arsenic, Dissolved	ND	0.12	0.119	99					75-125	20
Barium, Dissolved	0.0550	2	2.05	100					75-125	20
Beryllium, Dissolved	ND	0.05	0.0522	104					75-125	20
Cadmium, Dissolved	ND	0.053	0.0525	99					75-125	20
Calcium, Dissolved	15.1	10	25.2	101					75-125	20
Chromium, Dissolved	ND	0.2	0.204	102					75-125	20
Cobalt, Dissolved	ND	0.5	0.488	98					75-125	20
Copper, Dissolved	ND	0.25	0.257	103					75-125	20
Iron, Dissolved	ND	1	1.04	104					75-125	20
Lead, Dissolved	ND	0.53	0.527	99					75-125	20
Magnesium, Dissolved	6.55	10	16.5	100					75-125	20
Manganese, Dissolved	ND	0.5	0.514	103					75-125	20
Nickel, Dissolved	ND	0.5	0.497	99					75-125	20
Potassium, Dissolved	1.05J	10	11.6	116					75-125	20
Selenium, Dissolved	ND	0.12	0.119	99					75-125	20
Silver, Dissolved	ND	0.05	0.0530	106					75-125	20
Sodium, Dissolved	12.0	10	22.4	104					75-125	20
Thallium, Dissolved	ND	0.12	0.119	99					75-125	20
Vanadium, Dissolved	ND	0.5	0.515	103					75-125	20
Zinc, Dissolved	ND	0.5	0.496	99					75-125	20



Form 6 Lab Duplicates

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 5A
 Lab Sample ID : L2557076-03
 Dup Sample ID : WG2115668-4

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 Analysis Date : 09/18/25 18:15
 DUP Analysis Date : 09/18/25 18:22

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Aluminum, Total	ND	ND	NC	20
Antimony, Total	0.0108J	0.0125J	NC	20
Arsenic, Total	ND	ND	NC	20
Barium, Total	0.0129	0.0130	1	20
Beryllium, Total	ND	ND	NC	20
Cadmium, Total	ND	ND	NC	20
Calcium, Total	22.8	22.9	0	20
Chromium, Total	ND	ND	NC	20
Cobalt, Total	ND	ND	NC	20
Copper, Total	ND	ND	NC	20
Iron, Total	ND	ND	NC	20
Lead, Total	ND	ND	NC	20
Magnesium, Total	4.77	4.80	1	20
Manganese, Total	ND	ND	NC	20
Nickel, Total	ND	ND	NC	20
Potassium, Total	1.53J	1.54J	NC	20
Selenium, Total	ND	ND	NC	20
Silver, Total	ND	ND	NC	20
Sodium, Total	10.9	10.9	0	20
Thallium, Total	ND	ND	NC	20
Vanadium, Total	ND	ND	NC	20
Zinc, Total	ND	ND	NC	20



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/24/25 16:20
Dup Sample ID	: WG2115674-8	DUP Analysis Date	: 09/24/25 16:44

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Magnesium, Dissolved	1140	1140	0	20
Manganese, Dissolved	0.0261J	0.0277J	NC	20
Vanadium, Dissolved	ND	ND	NC	20



Form 6 Lab Duplicates

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 5B
 Lab Sample ID : L2557076-04
 Dup Sample ID : WG2115674-4

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 Analysis Date : 09/25/25 18:39
 DUP Analysis Date : 09/25/25 18:49

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Aluminum, Dissolved	ND	ND	NC	20
Antimony, Dissolved	ND	ND	NC	20
Arsenic, Dissolved	ND	ND	NC	20
Barium, Dissolved	0.0550	0.0555	1	20
Beryllium, Dissolved	ND	ND	NC	20
Cadmium, Dissolved	ND	ND	NC	20
Calcium, Dissolved	15.1	14.9	1	20
Chromium, Dissolved	ND	ND	NC	20
Cobalt, Dissolved	ND	ND	NC	20
Copper, Dissolved	ND	ND	NC	20
Iron, Dissolved	ND	ND	NC	20
Lead, Dissolved	ND	ND	NC	20
Magnesium, Dissolved	6.55	6.38	3	20
Manganese, Dissolved	ND	ND	NC	20
Nickel, Dissolved	ND	ND	NC	20
Potassium, Dissolved	1.05J	1.06J	NC	20
Selenium, Dissolved	ND	ND	NC	20
Silver, Dissolved	ND	ND	NC	20
Sodium, Dissolved	12.0	12.0	0	20
Thallium, Dissolved	ND	ND	NC	20
Vanadium, Dissolved	ND	ND	NC	20
Zinc, Dissolved	ND	ND	NC	20



Form 7 Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2115668-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/18/25 18:11
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Aluminum, Total	2.00	2.04	102.					85-115	20
Arsenic, Total	0.120	0.121	101.					85-115	20
Barium, Total	2.00	2.01	100.					85-115	20
Beryllium, Total	0.0500	0.0519	104.					85-115	20
Cadmium, Total	0.0530	0.0532	100.					85-115	20
Calcium, Total	10.0	10.3	103.					85-115	20
Chromium, Total	0.200	0.200	100.					85-115	20
Cobalt, Total	0.500	0.499	100.					85-115	20
Copper, Total	0.250	0.256	102.					85-115	20
Iron, Total	1.00	1.02	102.					85-115	20
Lead, Total	0.530	0.527	99.					85-115	20
Magnesium, Total	10.0	10.0	100.					85-115	20
Manganese, Total	0.500	0.510	102.					85-115	20
Nickel, Total	0.500	0.513	103.					85-115	20
Potassium, Total	10.0	10.2	102.					85-115	20
Selenium, Total	0.120	0.119	99.					85-115	20
Silver, Total	0.0500	0.0514	103.					85-115	20
Sodium, Total	10.0	10.6	106.					85-115	20
Thallium, Total	0.120	0.124	103.					85-115	20
Vanadium, Total	0.500	0.517	103.					85-115	20
Zinc, Total	0.500	0.500	100.					85-115	20



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2115668-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/23/25 20:36
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Antimony, Total	0.500	0.494	99.					85-115	20



Form 7 Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2115674-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/24/25 16:05
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Aluminum, Dissolved	2.00	2.08	104.					85-115	20
Antimony, Dissolved	0.500	0.506	101.					85-115	20
Arsenic, Dissolved	0.120	0.120	100.					85-115	20
Barium, Dissolved	2.00	1.99	100.					85-115	20
Beryllium, Dissolved	0.0500	0.0499	100.					85-115	20
Cadmium, Dissolved	0.0530	0.0531	100.					85-115	20
Calcium, Dissolved	10.0	10.3	103.					85-115	20
Chromium, Dissolved	0.200	0.196	98.					85-115	20
Cobalt, Dissolved	0.500	0.499	100.					85-115	20
Copper, Dissolved	0.250	0.248	99.					85-115	20
Iron, Dissolved	1.00	1.00	100.					85-115	20
Lead, Dissolved	0.530	0.527	99.					85-115	20
Magnesium, Dissolved	10.0	9.55	96.					85-115	20
Manganese, Dissolved	0.500	0.496	99.					85-115	20
Nickel, Dissolved	0.500	0.502	100.					85-115	20
Potassium, Dissolved	10.0	10.0	100.					85-115	20
Selenium, Dissolved	0.120	0.115	96.					85-115	20
Silver, Dissolved	0.0500	0.0517	103.					85-115	20
Sodium, Dissolved	10.0	10.1	101.					85-115	20
Thallium, Dissolved	0.120	0.123	102.					85-115	20
Vanadium, Dissolved	0.500	0.489	98.					85-115	20
Zinc, Dissolved	0.500	0.499	100.					85-115	20



Form 8 Serial Dilutions

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Client Sample ID : 5A
Lab Sample ID : L2557076-03
Serial Dilution ID : WG2115668-6

Lab Number : L2557076
Project Number : BSD1504
Matrix : WATER
Analysis Date : 09/18/25 18:15
Analysis Date : 09/18/25 18:29

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
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Form 8 Serial Dilutions

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Client Sample ID : 5B
Lab Sample ID : L2557076-04
Serial Dilution ID : WG2115674-6

Lab Number : L2557076
Project Number : BSD1504
Matrix : WATER
Analysis Date : 09/25/25 18:39
Analysis Date : 09/25/25 18:59

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
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U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	___
Aluminum	396.15	0.0000000	0.0000020	-0.0000310	-0.0000090	
Antimony	206.83	-0.0000020	0.0000040	-0.0000110	-0.0000050	
Arsenic	189.04	0.0000090	-0.0000010	-0.0000700	0.0000000	
Barium	455.40	-0.0000040	-0.0000020	-0.0000110	-0.0000010	
Beryllium	313.40	-0.0000020	-0.0000020	-0.0000050	0.0000000	
Cadmium	214.44	0.0000000	-0.0000030	0.0000000	-0.0000010	
Calcium	315.89	0.0000780	0.0000000	-0.0000170	0.0000710	
Chromium	267.72	0.0000050	-0.0000020	0.0000120	0.0000000	
Cobalt	228.62	-0.0000120	-0.0000060	-0.0000250	-0.0000020	
Copper	324.75	-0.0000030	-0.0000020	-0.0000040	0.0000110	
Iron	259.94	0.0000180	-0.0000120	0.0000000	-0.0000030	
Lead	220.35	0.0001100	-0.0000010	0.0000180	-0.0000010	
Magnesium	279.08	-0.0000540	-0.0000280	0.0000190	0.0000000	
Manganese	257.61	-0.0000030	-0.0000020	-0.0000080	0.0000020	
Mercury						
Nickel	231.60	-0.0000130	-0.0000050	-0.0000240	-0.0000020	
Potassium	766.49	-0.0012590	-0.0007040	-0.0028490	-0.0002350	
Selenium	196.09	-0.0000200	0.0000000	-0.0000290	-0.0000010	
Silver	328.07	-0.0000040	-0.0000020	-0.0000090	-0.0000010	
Sodium	589.59	-0.0006160	-0.0005220	-0.0020960	-0.0001600	
Thallium	190.86	-0.0000060	-0.0000040	-0.0000050	-0.0000010	
Vanadium	292.40	-0.0000050	-0.0000030	0.0000100	-0.0000020	
Zinc	206.20	0.0002750	0.0000030	-0.0007990	-0.0000040	

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	-0.0022950	-0.0018570
Antimony	206.83	0.0000000	0.0000000	0.0000000	-0.0003900	-0.0000120
Arsenic	189.04	0.0000000	0.0000000	0.0000210	-0.0001780	-0.0001730
Barium	455.40	0.0000000	0.0000000	0.0000000	-0.0002050	-0.0002030
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000860
Cadmium	214.44	0.0000000	0.0000000	0.0000000	-0.0002090	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	-0.0020880	-0.0018790
Chromium	267.72	0.0000000	0.0000000	0.0000000	-0.0002010	-0.0003100
Cobalt	228.62	0.0000000	0.0000000	0.0000000	-0.0004810	-0.0004970
Copper	324.75	0.0000000	0.0000000	0.0000000	-0.0002330	-0.0002260
Iron	259.94	0.0000000	0.0000000	0.0000000	-0.0012310	-0.0009570
Lead	220.35	0.0000000	0.0000000	0.0000000	-0.0001700	-0.0001850
Magnesium	279.08	0.0000000	0.0000000	0.0000000	-0.0022440	-0.0017830
Manganese	257.61	0.0000000	0.0000000	0.0000000	-0.0001950	-0.0002020
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	-0.0005490	-0.0005200
Potassium	766.49	0.0000000	0.0000000	0.0000000	-0.0522980	-0.0517110
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000060	0.0000030
Silver	328.07	0.0000000	0.0000000	0.0000000	-0.0001740	-0.0001560
Sodium	589.59	0.0000000	0.0000000	0.0000000	-0.0417330	-0.0407400
Thallium	190.86	0.0000000	0.0000000	0.0000000	-0.0002650	-0.0002240
Vanadium	292.40	0.0000000	0.0000000	0.0000000	-0.0002090	-0.0002040
Zinc	206.20	0.0000000	0.0000000	0.0000000	-0.0000320	-0.0009250

Comments:

U.S. EPA - CLP
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ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	-0.0020320	-0.0005350	-0.0005960	0.0000000	-0.0003930
Antimony	206.83	0.0049920	-0.0001600	-0.0001410	0.0000000	-0.0001780
Arsenic	189.04	0.0002670	-0.0001290	-0.0000570	0.0000000	-0.0000030
Barium	455.40	-0.0002000	-0.0000500	-0.0000660	0.0000000	-0.0000350
Beryllium	313.40	-0.0000900	-0.0000220	-0.0000300	0.0000000	-0.0000110
Cadmium	214.44	-0.0000290	-0.0000520	-0.0000680	0.0000000	-0.0000270
Calcium	315.89	-0.0020720	0.0009940	-0.0005720	0.0000000	-0.0000920
Chromium	267.72	0.0000000	-0.0000480	-0.0000690	0.0000000	0.0001140
Cobalt	228.62	-0.0005870	0.0000000	-0.0001660	0.0000000	-0.0000740
Copper	324.75	-0.0002130	-0.0000490	0.0000000	0.0000000	0.0000300
Iron	259.94	-0.0010370	-0.0002940	-0.0003760	0.0000000	-0.0001890
Lead	220.35	-0.0001960	-0.0003260	0.0002710	0.0000000	0.0000640
Magnesium	279.08	-0.0024620	-0.0005640	-0.0008730	0.0000000	-0.0069760
Manganese	257.61	-0.0002060	-0.0000480	-0.0000750	0.0000000	0.0000000
Mercury						
Nickel	231.60	-0.0005230	-0.0002210	-0.0001810	0.0000000	-0.0000730
Potassium	766.49	-0.0512430	-0.0126240	-0.0178480	0.0000000	-0.0089880
Selenium	196.09	-0.0000520	0.0000530	-0.0000240	0.0000000	0.0003780
Silver	328.07	-0.0001430	-0.0000370	-0.0000450	0.0000000	0.0001940
Sodium	589.59	-0.0407180	-0.0097580	-0.0137660	0.0000000	-0.0070470
Thallium	190.86	-0.0000390	0.0020440	-0.0000840	-0.0000200	0.0003990
Vanadium	292.40	-0.0002210	-0.0000500	-0.0000650	0.0000000	0.0001060
Zinc	206.20	-0.0012900	0.0000070	0.0003430	0.0001200	-0.0001520

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
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ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	0.0001500	0.0000000	-0.0004550	0.0000000	0.0038670
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000380	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Lead	220.35	0.0001750	0.0000000	0.0002100	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	-0.0000350	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000100	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0017890	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	0.0000000	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	0.0000000	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0000000	0.0000000		
Vanadium	292.40	0.0011610	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

EPA 200.7, EPA 6010D		Linear Dynamic Range					
		All values are in mg/L and are 90% of the established LDR concentration.					
Instrument ID:		Trace 4	Trace 5	Trace 6	Trace 7	Trace 8	Trace 9
2023 Complete		☐	☐	☐	☐	☐	☐
Ag	Silver	36	27	9	13	90	45
Al	Aluminum	900	540	450	900	900	900
As	Arsenic	90	54	90	72	180	90
B	Boron	90	90	9	45	90	54
Ba	Barium	90	27	18	13	135	27
Be	Beryllium	27	36	9	9	11	31
Ca	Calcium	450	900	675	900	900	900
Cd	Cadmium	11	9	9	11	27	18
Co	Cobalt	90	63	45	22	135	90
Cr	Chromium	45	63	9	45	157	90
Cu	Copper	90	54	45	45	90	67
Fe	Iron	630	900	450	450	540	540
K	Potassium	900	900	675	720	900	900
Mg	Magnesium	450	900	360	900	900	900
Mn	Manganese	90	31	90	67	90	90
Mo	Molybdenum	45	36	9	22	67	45
Na	Sodium	675	900	450	405	630	900
Ni	Nickel	90	45	45	22	135	90
Pb	Lead	180	180	90	90	225	90
S	Sulfur	-	90	-	-	-	-
Sb	Antimony	22	45	45	4.5	90	45
Se	Selenium	27	27	45	22	15	45
Si	Silica	45	90	22	22	90	45
Sn	Tin	45	45	13	22	72	45
Sr	Strontium	45	45	9	9	67	45
Ti	Titanium	45	90	9	90	72	45
Tl	Thallium	45	90	45	22	135	45
V	Vanadium	90	90	90	90	112	45
Zn	Zinc	45	27	45	22	63	22

Form 12

Preparation Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Matrix : WATER

Lab Number : L2557076
Project Number : BSD1504
Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2557076-03	09/16/25 21:28	-	50
WG2115668-1	09/16/25 21:28	-	50
WG2115668-2	09/16/25 21:28	-	50
WG2115668-3	09/16/25 21:28	-	50
WG2115668-4	09/16/25 21:28	-	50
WG2115668-5	09/16/25 21:28	-	50
WG2115668-6	09/16/25 21:28	-	50



Form 12

Preparation Log

Client : P. W. Grosser Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL Project Number : BSD1504
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
WG2115668-2	09/16/25 21:28	-	50



Form 12

Preparation Log

Client : P. W. Grosser Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL Project Number : BSD1504
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
WG2115674-1	09/16/25 21:36	-	50
WG2115674-2	09/16/25 21:36	-	50
WG2115674-7	09/16/25 21:36	-	50
WG2115674-8	09/16/25 21:36	-	50



Form 12

Preparation Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Matrix : WATER

Lab Number : L2557076
Project Number : BSD1504
Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2557076-02	09/16/25 21:36	-	50
L2557076-03	09/16/25 21:36	-	50
L2557076-04	09/16/25 21:36	-	50
L2557076-05	09/16/25 21:36	-	50
L2557076-06	09/16/25 21:36	-	50
L2557076-07	09/16/25 21:36	-	50
L2557076-08	09/16/25 21:36	-	50
L2557076-09	09/16/25 21:36	-	50
L2557076-10	09/16/25 21:36	-	50
WG2115674-3	09/16/25 21:36	-	50
WG2115674-4	09/16/25 21:36	-	50
WG2115674-5	09/16/25 21:36	-	50
WG2115674-6	09/16/25 21:36	-	50



Form 13 Analysis Run Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE8
Start Date : 09/18/25 06:31

Lab Number : L2557076
Project Number : BSD1504
Analysis Method : 19,200.7
End Date : 09/18/25 18:51

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total				
R2012342-1 ICV	1	06:31:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-2 ICB	1	06:34:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-3 ICV	1	06:38:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-4 ICB	1	06:41:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-5 ICSA	1	06:48:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-6 CCV	1	07:39:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-7 CCB	1	07:43:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-8 CCV	1	08:40:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-9 CCB	1	08:44:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-10 CCV	1	08:51:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-11 CCB	1	08:55:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-12 CCV	1	09:50:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-13 CCB	1	09:54:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-14 CCV	1	11:23:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-15 CCB	1	11:26:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-16 CCV	1	12:42:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-17 CCB	1	12:45:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-18 CCV	1	13:19:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-19 CCB	1	13:23:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-20 CCV	1	15:03:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-21 CCB	1	15:07:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-22 CCV	1	16:17:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-23 CCB	1	16:20:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-24 CCV	1	16:57:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-25 CCB	1	17:01:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-26 CCV	1	17:41:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-27 CCB	1	17:44:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				



Form 13

Analysis Run Log

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE8
 Start Date : 09/18/25 06:31

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Method : 19,200.7
 End Date : 09/18/25 18:51

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total				
R2012342-28 CCV	1	17:56:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-29 CCB	1	17:59:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2115668-1 BLANK	1	18:08:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2115668-2 LCS	1	18:11:46	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2557076-03	1	18:15:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2115668-3 MS	1	18:18:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2115668-4 DUP	1	18:22:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2115668-5 PS	1	18:25:32																										
WG2115668-6 SERDIL	1	18:29:00																										
R2012342-30 CCV	1	18:48:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2012342-31 CCB	1	18:51:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				



Form 13

Analysis Run Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID :
Start Date : 09/23/25 13:40

Lab Number : L2557076
Project Number : BSD1504
Analysis Method :
End Date : 09/23/25 21:16

[illegible]

Form 13

Analysis Run Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : TRACE7
Start Date : 09/24/25 14:20

Lab Number : L2557076
Project Number : BSD1504
Analysis Method : 19,200.7
End Date : 09/24/25 17:02

[illegible]

Form 13

Analysis Run Log

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : TRACE10
 Start Date : 09/25/25 15:55

Lab Number : L2557076
 Project Number : BSD1504
 Analysis Method : 19,200.7
 End Date : 09/25/25 21:15

Sample Number	Dilution Factor	Analysis Time	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Potassium, Dissolved	Selenium, Dissolved	Silver, Dissolved	Sodium, Dissolved	Thallium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved				
R2015421-1 ICV	1	15:55:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2015421-2 ICB	1	16:00:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2015421-3 ICV	1	16:05:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2015421-4 ICB	1	16:10:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2015421-5 ICSA	1	16:22:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2015421-6 CCV	1	16:54:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2015421-7 CCB	1	16:59:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2557076-04	1	18:39:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2115674-3 MS	1	18:44:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2115674-4 DUP	1	18:49:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2115674-5 PS	1	18:54:44																										
WG2115674-6 SERDIL	5	18:59:51																										
R2015421-8 CCV	1	19:12:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2015421-9 CCB	1	19:17:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2557076-02	1	19:25:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2557076-03	1	19:47:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2557076-05	1	19:52:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2557076-06	1	19:57:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2557076-07	1	20:03:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2557076-08	1	20:08:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2557076-09	1	20:13:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2015421-10 CCV	1	20:18:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2015421-11 CCB	1	20:24:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2557076-10	1	20:34:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2015421-12 CCV	1	21:10:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2015421-13 CCB	1	21:15:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				



Please Note that the information provided in this table is subject to change at anytime at the discretion of **the laboratory**.

Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: Blank LRS Trace8
 Analysis started at: 9/18/2025 6:22:08 AM
 Rack: 0
 Vial: 1
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	1.5 %	-0.6 %	-0.3 %	0.3 %	0.5 %	-0.1 %	-1.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.8 %	0.2 %	-0.5 %	0.1 %	-0.4 %	0.3 %	6.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.1 %	-0.2 %	0.9 %	0.0 %	0.4 %	0.1 %	-1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-3.1 %	0.1 %	2.7 %	0.8 %	-0.1 %	-0.4 %	-1.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: ICAL
Analysis started at: 9/18/2025 6:25:47 AM
Rack: 0
Vial: 2
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run	1.0045 ppm	25.1685 ppm	1.0070 ppm	0.9992 ppm	1.0087 ppm	1.0086 ppm	9.9816 ppm
Concentration per Run	1.0009 ppm	24.9215 ppm	0.9995 ppm	1.0018 ppm	0.9968 ppm	0.9932 ppm	9.9917 ppm
Concentration per Run	0.9946 ppm	24.9100 ppm	0.9936 ppm	0.9990 ppm	0.9945 ppm	0.9983 ppm	10.0266 ppm
Concentration RSD	0.5 %	0.6 %	0.7 %	0.2 %	0.8 %	0.8 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run	0.9994 ppm	0.9966 ppm	0.9996 ppm	1.0004 ppm	25.0904 ppm	34.9201 ppm	1.0096 ppm
Concentration per Run	0.9944 ppm	1.0060 ppm	1.0009 ppm	1.0002 ppm	24.9351 ppm	35.0049 ppm	0.9965 ppm
Concentration per Run	1.0063 ppm	0.9974 ppm	0.9995 ppm	0.9994 ppm	24.9745 ppm	35.0750 ppm	0.9938 ppm
Concentration RSD	0.6 %	0.5 %	0.1 %	0.1 %	0.3 %	0.2 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	10.0155 ppm	1.0017 ppm	0.9966 ppm	25.1113 ppm	1.0023 ppm	0.9960 ppm	1.0230 ppm
Concentration per Run	9.9685 ppm	0.9965 ppm	0.9996 ppm	24.9424 ppm	1.0012 ppm	1.0004 ppm	0.9852 ppm
Concentration per Run	10.0160 ppm	1.0018 ppm	1.0038 ppm	24.9463 ppm	0.9964 ppm	1.0036 ppm	0.9918 ppm
Concentration RSD	0.3 %	0.3 %	0.4 %	0.4 %	0.3 %	0.4 %	2.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	1.0014 ppm	10.0424 ppm	1.0024 ppm	1.0088 ppm	0.9964 ppm	1.0056 ppm	1.0023 ppm
Concentration per Run	0.9997 ppm	9.9116 ppm	1.0023 ppm	0.9978 ppm	1.0097 ppm	0.9985 ppm	0.9949 ppm
Concentration per Run	0.9989 ppm	10.0460 ppm	0.9953 ppm	0.9934 ppm	0.9938 ppm	0.9959 ppm	1.0027 ppm
Concentration RSD	0.1 %	0.8 %	0.4 %	0.8 %	0.9 %	0.5 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0000 ppm	102.8785 %	99.8799 %	95.2707 %	101.9197 %	99.5352 %	100.8216 %
Concentration per Run	0.9918 ppm	103.1632 %	99.8037 %	95.4005 %	102.6005 %	99.9231 %	100.8763 %
Concentration per Run	1.0096 ppm	103.0078 %	100.1981 %	94.9209 %	101.2446 %	99.9907 %	100.5722 %
Concentration per Run	0.9987 ppm	102.4644 %	99.6378 %	95.4906 %	101.9141 %	98.6919 %	101.0161 %
Concentration RSD	0.9 %	0.4 %	0.3 %	0.3 %	0.7 %	0.7 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: ICV
 Analysis started at: 9/18/2025 6:31:13 AM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4964 ppm	0.4924 ppm	0.4838 ppm	0.4994 ppm	0.5064 ppm	0.5216 ppm	0.5217 ppm
Concentration per Run	0.4959 ppm	0.4988 ppm	0.4835 ppm	0.5026 ppm	0.5047 ppm	0.5221 ppm	0.5250 ppm
Concentration per Run	0.4964 ppm	0.4861 ppm	0.4862 ppm	0.4995 ppm	0.5071 ppm	0.5167 ppm	0.5143 ppm
Concentration per Run	0.4970 ppm	0.4924 ppm	0.4818 ppm	0.4960 ppm	0.5074 ppm	0.5258 ppm	0.5256 ppm
Recovery Percentage	99.283 %	98.480 %	96.766 %	99.874 %	101.285 %	104.312 %	104.331 %
Concentration RSD	0.1 %	1.3 %	0.5 %	0.7 %	0.3 %	0.9 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5204 ppm	0.5236 ppm	0.5126 ppm	0.5155 ppm	0.5163 ppm	5.2326 ppm	0.5381 ppm
Concentration per Run	0.5234 ppm	0.5284 ppm	0.5138 ppm	0.5164 ppm	0.5210 ppm	5.2369 ppm	0.5441 ppm
Concentration per Run	0.5201 ppm	0.5215 ppm	0.5122 ppm	0.5153 ppm	0.5096 ppm	5.2104 ppm	0.5269 ppm
Concentration per Run	0.5178 ppm	0.5208 ppm	0.5118 ppm	0.5149 ppm	0.5181 ppm	5.2506 ppm	0.5432 ppm
Recovery Percentage	104.086 %	104.715 %	102.519 %	103.103 %	103.252 %	104.653 %	107.614 %
Concentration RSD	0.5 %	0.8 %	0.2 %	0.2 %	1.1 %	0.4 %	1.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5146 ppm	0.5204 ppm	0.5109 ppm	10.4187 ppm	0.5249 ppm	0.4979 ppm	0.5202 ppm
Concentration per Run	0.5158 ppm	0.5224 ppm	0.5109 ppm	10.4575 ppm	0.5250 ppm	0.5005 ppm	0.5191 ppm
Concentration per Run	0.5118 ppm	0.5161 ppm	0.5114 ppm	10.3359 ppm	0.5250 ppm	0.4980 ppm	0.5218 ppm
Concentration per Run	0.5162 ppm	0.5226 ppm	0.5102 ppm	10.4626 ppm	0.5247 ppm	0.4953 ppm	0.5197 ppm
Recovery Percentage	102.919 %	104.072 %	102.172 %	104.187 %	104.983 %	99.584 %	104.044 %
Concentration RSD	0.5 %	0.7 %	0.1 %	0.7 %	0.0 %	0.5 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4890 ppm	5.5362 ppm	0.5226 ppm	0.5202 ppm	0.5130 ppm	0.5120 ppm	0.5163 ppm
Concentration per Run	0.4872 ppm	5.5202 ppm	0.5264 ppm	0.5215 ppm	0.5120 ppm	0.5133 ppm	0.5168 ppm
Concentration per Run	0.4914 ppm	5.5378 ppm	0.5229 ppm	0.5192 ppm	0.5144 ppm	0.5142 ppm	0.5159 ppm
Concentration per Run	0.4884 ppm	5.5506 ppm	0.5185 ppm	0.5199 ppm	0.5125 ppm	0.5086 ppm	0.5161 ppm
Recovery Percentage	97.799 %	105.452 %	104.516 %	104.037 %	102.597 %	102.404 %	103.257 %
Concentration RSD	0.4 %	0.3 %	0.8 %	0.2 %	0.2 %	0.6 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5197 ppm	105.3035 %	101.0676 %	101.8046 %	105.0798 %	101.4408 %	103.5695 %
Concentration per Run	0.5233 ppm	105.6539 %	100.6075 %	102.0341 %	105.3997 %	101.4784 %	104.0652 %
Concentration per Run	0.5200 ppm	105.0696 %	101.6769 %	101.4702 %	105.0201 %	100.4310 %	103.2752 %
Concentration per Run	0.5158 ppm	105.1868 %	100.9184 %	101.9094 %	104.8198 %	102.4130 %	103.3681 %
Recovery Percentage	103.942 %						
Concentration RSD	0.7 %	0.3 %	0.5 %	0.3 %	0.3 %	1.0 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: ICB
 Analysis started at: 9/18/2025 6:34:41 AM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0050 ppm	0.0017 ppm	0.0017 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run	0.0002 ppm	-0.0043 ppm	0.0002 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0018 ppm
Concentration per Run	0.0002 ppm	-0.0033 ppm	0.0030 ppm	0.0022 ppm	0.0000 ppm	0.0001 ppm	-0.0014 ppm
Concentration per Run	0.0003 ppm	-0.0073 ppm	0.0019 ppm	0.0020 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm
Recovery Percentage	4.858 %	-4.975 %	33.652 %	5.575 %	0.568 %	1.260 %	0.161 %
Concentration RSD	21.3 %	41.3 %	84.6 %	44.0 %	90.2 %	9.1 %	1,002.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0012 ppm	-0.0010 ppm	0.0000 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	0.0002 ppm	-0.0003 ppm	0.0003 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0004 ppm	0.0023 ppm	-0.0040 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0001 ppm	-0.0002 ppm	0.0009 ppm	-0.0002 ppm	-0.0004 ppm
Recovery Percentage	2.859 %	2.101 %	1.869 %	-3.074 %	2.341 %	-0.041 %	-0.136 %
Concentration RSD	76.9 %	115.5 %	62.6 %	33.7 %	91.1 %	261.5 %	2,517.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0010 ppm	0.0001 ppm	0.0051 ppm	-0.0032 ppm	0.0002 ppm	-0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0013 ppm	0.0001 ppm	0.0049 ppm	-0.0050 ppm	0.0007 ppm	-0.0013 ppm	-0.0005 ppm
Concentration per Run	0.0012 ppm	0.0001 ppm	0.0055 ppm	-0.0023 ppm	-0.0005 ppm	-0.0006 ppm	0.0005 ppm
Concentration per Run	0.0004 ppm	0.0000 ppm	0.0049 ppm	-0.0024 ppm	0.0005 ppm	-0.0009 ppm	-0.0001 ppm
Recovery Percentage	0.966 %	0.760 %	10.238 %	-0.161 %	0.878 %	-9.086 %	-0.106 %
Concentration RSD	53.8 %	91.0 %	6.9 %	48.0 %	302.6 %	37.9 %	984.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0033 ppm	-0.0006 ppm	0.0020 ppm	0.0001 ppm	0.0007 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run	0.0044 ppm	-0.0008 ppm	0.0018 ppm	0.0001 ppm	0.0005 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run	0.0025 ppm	-0.0009 ppm	0.0022 ppm	0.0001 ppm	0.0007 ppm	0.0021 ppm	0.0002 ppm
Concentration per Run	0.0031 ppm	-0.0001 ppm	0.0020 ppm	0.0000 ppm	0.0008 ppm	0.0009 ppm	0.0002 ppm
Recovery Percentage	33.452 %	-0.117 %	4.045 %	0.647 %	6.571 %	7.250 %	1.664 %
Concentration RSD	30.4 %	75.1 %	10.0 %	78.8 %	25.2 %	43.3 %	34.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	104.0305 %	98.5792 %	102.5033 %	105.6511 %	100.2283 %	103.5565 %
Concentration per Run	0.0002 ppm	104.0482 %	98.1143 %	102.0654 %	105.8232 %	99.5861 %	103.2199 %
Concentration per Run	0.0000 ppm	104.0008 %	99.2636 %	102.9039 %	105.6944 %	100.7694 %	103.8261 %
Concentration per Run	-0.0001 ppm	104.0426 %	98.3597 %	102.5407 %	105.4355 %	100.3294 %	103.6235 %
Recovery Percentage	0.641 %						
Concentration RSD	403.3 %	0.0 %	0.6 %	0.4 %	0.2 %	0.6 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: ICV
Analysis started at: 9/18/2025 6:38:06 AM
Rack: 0
Vial: 10
Comment: changed position

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5030 ppm	0.4935 ppm	0.4865 ppm	0.5020 ppm	0.5137 ppm	0.5245 ppm	0.5178 ppm
Concentration per Run	0.5025 ppm	0.4998 ppm	0.4864 ppm	0.5058 ppm	0.5156 ppm	0.5242 ppm	0.5155 ppm
Concentration per Run	0.5034 ppm	0.4954 ppm	0.4894 ppm	0.5007 ppm	0.5141 ppm	0.5254 ppm	0.5172 ppm
Concentration per Run	0.5030 ppm	0.4855 ppm	0.4838 ppm	0.4996 ppm	0.5113 ppm	0.5238 ppm	0.5207 ppm
Recovery Percentage	100.599 %	98.709 %	97.308 %	100.403 %	102.738 %	104.896 %	103.555 %
Concentration RSD	0.1 %	1.5 %	0.6 %	0.7 %	0.4 %	0.2 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5197 ppm	0.5244 ppm	0.5141 ppm	0.5211 ppm	0.5163 ppm	5.2770 ppm	0.5205 ppm
Concentration per Run	0.5213 ppm	0.5248 ppm	0.5142 ppm	0.5233 ppm	0.5173 ppm	5.3118 ppm	0.5183 ppm
Concentration per Run	0.5175 ppm	0.5232 ppm	0.5122 ppm	0.5193 ppm	0.5157 ppm	5.2757 ppm	0.5217 ppm
Concentration per Run	0.5201 ppm	0.5253 ppm	0.5160 ppm	0.5206 ppm	0.5159 ppm	5.2435 ppm	0.5214 ppm
Recovery Percentage	103.933 %	104.888 %	102.824 %	104.212 %	103.258 %	105.540 %	104.091 %
Concentration RSD	0.4 %	0.2 %	0.4 %	0.4 %	0.2 %	0.6 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5175 ppm	0.5230 ppm	0.5083 ppm	10.5027 ppm	0.5248 ppm	0.5035 ppm	0.5260 ppm
Concentration per Run	0.5146 ppm	0.5218 ppm	0.5086 ppm	10.4891 ppm	0.5276 ppm	0.5053 ppm	0.5278 ppm
Concentration per Run	0.5195 ppm	0.5238 ppm	0.5056 ppm	10.5339 ppm	0.5219 ppm	0.4995 ppm	0.5243 ppm
Concentration per Run	0.5186 ppm	0.5233 ppm	0.5108 ppm	10.4852 ppm	0.5249 ppm	0.5056 ppm	0.5260 ppm
Recovery Percentage	103.509 %	104.594 %	101.666 %	105.027 %	104.958 %	100.697 %	105.203 %
Concentration RSD	0.5 %	0.2 %	0.5 %	0.3 %	0.5 %	0.7 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4914 ppm	5.4505 ppm	0.5109 ppm	0.5186 ppm	0.5148 ppm	0.5102 ppm	0.5196 ppm
Concentration per Run	0.4894 ppm	5.4553 ppm	0.5169 ppm	0.5185 ppm	0.5150 ppm	0.5086 ppm	0.5193 ppm
Concentration per Run	0.4921 ppm	5.4260 ppm	0.5058 ppm	0.5189 ppm	0.5149 ppm	0.5110 ppm	0.5192 ppm
Concentration per Run	0.4927 ppm	5.4704 ppm	0.5099 ppm	0.5184 ppm	0.5147 ppm	0.5112 ppm	0.5204 ppm
Recovery Percentage	98.278 %	103.820 %	102.179 %	103.719 %	102.970 %	102.049 %	103.925 %
Concentration RSD	0.4 %	0.4 %	1.1 %	0.1 %	0.0 %	0.3 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5149 ppm	106.0030 %	101.7069 %	101.8102 %	105.7022 %	101.6570 %	103.6357 %
Concentration per Run	0.5169 ppm	106.2090 %	101.6281 %	101.5423 %	106.3936 %	100.7736 %	103.5621 %
Concentration per Run	0.5114 ppm	106.1345 %	101.5015 %	101.7409 %	105.7196 %	101.4784 %	103.4496 %
Concentration per Run	0.5164 ppm	105.6654 %	101.9910 %	102.1474 %	104.9936 %	102.7191 %	103.8955 %
Recovery Percentage	102.983 %						
Concentration RSD	0.6 %	0.3 %	0.2 %	0.3 %	0.7 %	1.0 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: ICB
Analysis started at: 9/18/2025 6:41:35 AM
Rack: 0
Vial: 4
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0028 ppm	0.0025 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0008 ppm
Concentration per Run	0.0000 ppm	-0.0045 ppm	0.0031 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	-0.0012 ppm
Concentration per Run	-0.0003 ppm	-0.0018 ppm	0.0028 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	-0.0013 ppm
Concentration per Run	0.0000 ppm	-0.0022 ppm	0.0016 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm
Recovery Percentage	-2.038 %	-2.838 %	50.314 %	2.783 %	0.366 %	0.579 %	-0.765 %
Concentration RSD	201.2 %	51.3 %	32.5 %	54.4 %	99.1 %	43.3 %	110.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0010 ppm	-0.0043 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0003 ppm	-0.0002 ppm	0.0005 ppm	-0.0066 ppm	-0.0007 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0002 ppm	-0.0001 ppm	0.0014 ppm	-0.0094 ppm	0.0006 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0004 ppm	-0.0004 ppm	0.0011 ppm	0.0032 ppm	-0.0005 ppm
Recovery Percentage	2.032 %	-1.143 %	2.694 %	-2.441 %	2.026 %	-0.170 %	-2.069 %
Concentration RSD	32.4 %	278.8 %	35.3 %	53.0 %	43.1 %	154.4 %	334.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0011 ppm	-0.0001 ppm	0.0046 ppm	-0.0040 ppm	-0.0001 ppm	-0.0006 ppm	-0.0008 ppm
Concentration per Run	0.0009 ppm	-0.0001 ppm	0.0046 ppm	-0.0023 ppm	-0.0006 ppm	-0.0005 ppm	0.0015 ppm
Concentration per Run	0.0010 ppm	0.0000 ppm	0.0045 ppm	-0.0058 ppm	-0.0002 ppm	-0.0009 ppm	-0.0005 ppm
Concentration per Run	0.0015 ppm	-0.0001 ppm	0.0046 ppm	-0.0040 ppm	0.0004 ppm	-0.0004 ppm	-0.0034 ppm
Recovery Percentage	1.112 %	-0.689 %	9.137 %	-0.201 %	-0.589 %	-5.901 %	-1.606 %
Concentration RSD	29.7 %	36.4 %	1.6 %	43.2 %	315.6 %	47.0 %	302.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0032 ppm	-0.0007 ppm	0.0012 ppm	0.0000 ppm	0.0005 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run	0.0045 ppm	-0.0018 ppm	0.0010 ppm	0.0001 ppm	0.0005 ppm	0.0015 ppm	0.0000 ppm
Concentration per Run	0.0029 ppm	0.0005 ppm	0.0011 ppm	0.0000 ppm	0.0003 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run	0.0021 ppm	-0.0007 ppm	0.0015 ppm	0.0001 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm
Recovery Percentage	31.644 %	-0.132 %	2.404 %	0.428 %	5.140 %	3.975 %	0.497 %
Concentration RSD	39.6 %	168.2 %	20.8 %	125.2 %	30.2 %	82.9 %	102.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	104.1614 %	98.6112 %	102.1612 %	105.3870 %	100.0406 %	103.1134 %
Concentration per Run	0.0002 ppm	103.8694 %	98.7982 %	102.0669 %	105.1532 %	100.3432 %	103.0291 %
Concentration per Run	0.0000 ppm	104.9342 %	98.8433 %	102.1228 %	106.0431 %	100.1666 %	103.0235 %
Concentration per Run	-0.0001 ppm	103.6805 %	98.1920 %	102.2939 %	104.9647 %	99.6120 %	103.2877 %
Recovery Percentage	0.104 %						
Concentration RSD	2,726.5 %	0.6 %	0.4 %	0.1 %	0.5 %	0.4 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: LLOQ
Analysis started at: 9/18/2025 6:44:59 AM
Rack: 0
Vial: 5
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0053 ppm	0.0989 ppm	0.0050 ppm	0.0299 ppm	0.0102 ppm	0.0052 ppm	0.1049 ppm
Concentration per Run	0.0053 ppm	0.0969 ppm	0.0054 ppm	0.0300 ppm	0.0102 ppm	0.0052 ppm	0.1049 ppm
Concentration per Run	0.0052 ppm	0.1000 ppm	0.0057 ppm	0.0290 ppm	0.0102 ppm	0.0052 ppm	0.1050 ppm
Concentration per Run	0.0055 ppm	0.0998 ppm	0.0040 ppm	0.0306 ppm	0.0102 ppm	0.0052 ppm	0.1049 ppm
Recovery Percentage	106.883 %	98.870 %	100.538 %	99.568 %	102.047 %	104.033 %	104.947 %
Concentration RSD	2.7 %	1.8 %	18.8 %	2.7 %	0.4 %	0.1 %	0.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0041 ppm	0.0102 ppm	0.0100 ppm	0.0098 ppm	0.0535 ppm	2.6572 ppm	0.0109 ppm
Concentration per Run	0.0041 ppm	0.0101 ppm	0.0099 ppm	0.0096 ppm	0.0535 ppm	2.6461 ppm	0.0122 ppm
Concentration per Run	0.0041 ppm	0.0103 ppm	0.0100 ppm	0.0097 ppm	0.0538 ppm	2.6608 ppm	0.0104 ppm
Concentration per Run	0.0041 ppm	0.0103 ppm	0.0101 ppm	0.0100 ppm	0.0532 ppm	2.6647 ppm	0.0102 ppm
Recovery Percentage	102.330 %	102.413 %	100.201 %	97.657 %	107.007 %	106.286 %	109.473 %
Concentration RSD	0.9 %	1.3 %	1.0 %	1.7 %	0.6 %	0.4 %	10.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.1056 ppm	0.0104 ppm	0.0513 ppm	2.0914 ppm	0.0203 ppm	0.0096 ppm	0.0512 ppm
Concentration per Run	0.1068 ppm	0.0105 ppm	0.0512 ppm	2.0892 ppm	0.0202 ppm	0.0095 ppm	0.0483 ppm
Concentration per Run	0.1063 ppm	0.0103 ppm	0.0512 ppm	2.0934 ppm	0.0199 ppm	0.0100 ppm	0.0518 ppm
Concentration per Run	0.1038 ppm	0.0102 ppm	0.0515 ppm	2.0916 ppm	0.0208 ppm	0.0095 ppm	0.0534 ppm
Recovery Percentage	105.608 %	103.683 %	102.622 %	104.569 %	101.505 %	96.423 %	102.313 %
Concentration RSD	1.5 %	1.4 %	0.3 %	0.1 %	2.1 %	2.9 %	5.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0097 ppm	0.5034 ppm	0.0531 ppm	0.0102 ppm	0.0103 ppm	0.0208 ppm	0.0100 ppm
Concentration per Run	0.0104 ppm	0.5050 ppm	0.0538 ppm	0.0102 ppm	0.0103 ppm	0.0202 ppm	0.0100 ppm
Concentration per Run	0.0094 ppm	0.5032 ppm	0.0517 ppm	0.0101 ppm	0.0102 ppm	0.0208 ppm	0.0100 ppm
Concentration per Run	0.0094 ppm	0.5020 ppm	0.0538 ppm	0.0102 ppm	0.0104 ppm	0.0212 ppm	0.0101 ppm
Recovery Percentage	97.245 %	100.678 %	106.174 %	101.583 %	103.072 %	103.816 %	100.308 %
Concentration RSD	5.9 %	0.3 %	2.2 %	0.6 %	0.9 %	2.4 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0055 ppm	106.3574 %	101.8776 %	103.8805 %	106.0091 %	101.5628 %	104.0724 %
Concentration per Run	0.0055 ppm	106.5230 %	102.0544 %	103.8756 %	106.2700 %	101.4615 %	104.1917 %
Concentration per Run	0.0056 ppm	106.1764 %	102.1123 %	104.0123 %	105.6680 %	102.4835 %	104.1130 %
Concentration per Run	0.0055 ppm	106.3727 %	101.4660 %	103.7537 %	106.0891 %	100.7434 %	103.9125 %
Recovery Percentage	110.457 %						
Concentration RSD	1.2 %	0.2 %	0.4 %	0.1 %	0.3 %	0.9 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: ICSA
Analysis started at: 9/18/2025 6:48:25 AM
Rack: 0
Vial: 6
Comment: LDR +/-10%

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0018 ppm	513.5448 [SIC 1000]	0.0015 ppm	0.0012 ppm	0.0020 ppm	0.0001 ppm	477.6105 ppm
Concentration per Run	0.0020 ppm	513.0452 ppm	0.0012 ppm	-0.0013 ppm	0.0021 ppm	0.0000 ppm	473.3285 ppm
Concentration per Run	0.0012 ppm	512.0227 ppm	0.0023 ppm	0.0041 ppm	0.0020 ppm	0.0001 ppm	476.3041 ppm
Concentration per Run	0.0021 ppm	515.5666 ppm	0.0011 ppm	0.0007 ppm	0.0020 ppm	0.0001 ppm	483.1989 ppm
Recovery Percentage	35.090 %	513,544.820 %	30.770 %	4.022 %	20.301 %	1.384 %	477,610.524 %
Concentration RSD	26.9 %	0.4 %	45.5 %	226.8 %	2.9 %	45.3 %	1.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0056 ppm	-0.0001 ppm	-0.0006 ppm	0.0011 ppm	184.9441 ppm	0.0102 ppm	-0.0152 ppm
Concentration per Run	-0.0054 ppm	0.0000 ppm	-0.0006 ppm	0.0014 ppm	184.7215 ppm	0.0096 ppm	-0.0149 ppm
Concentration per Run	-0.0057 ppm	-0.0001 ppm	-0.0004 ppm	0.0008 ppm	184.0464 ppm	0.0105 ppm	-0.0201 ppm
Concentration per Run	-0.0055 ppm	-0.0002 ppm	-0.0008 ppm	0.0011 ppm	186.0645 ppm	0.0107 ppm	-0.0104 ppm
Recovery Percentage	-139.258 %	-0.965 %	-6.028 %	11.228 %	369,888.253 %	0.410 %	-151.503 %
Concentration RSD	2.6 %	123.0 %	38.7 %	24.7 %	0.6 %	5.6 %	32.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	488.4576 ppm	0.0018 ppm	0.0010 ppm	0.0136 ppm	0.0005 ppm	-0.0163 ppm	-0.0093 ppm
Concentration per Run	489.0671 ppm	0.0018 ppm	0.0014 ppm	0.0135 ppm	0.0013 ppm	-0.0147 ppm	-0.0130 ppm
Concentration per Run	486.2287 ppm	0.0018 ppm	0.0004 ppm	0.0131 ppm	0.0003 ppm	-0.0167 ppm	-0.0033 ppm
Concentration per Run	490.0770 ppm	0.0019 ppm	0.0013 ppm	0.0142 ppm	-0.0001 ppm	-0.0174 ppm	-0.0117 ppm
Recovery Percentage	488,457.582 %	18.351 %	2.088 %	0.681 %	2.006 %	-162.711 %	-18.670 %
Concentration RSD	0.4 %	1.6 %	52.3 %	3.9 %	151.6 %	8.6 %	56.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0026 ppm	-0.0174 ppm	0.0003 ppm	-0.0053 ppm	-0.0003 ppm	0.0027 ppm	0.0005 ppm
Concentration per Run	-0.0038 ppm	-0.0176 ppm	0.0006 ppm	-0.0054 ppm	-0.0005 ppm	0.0020 ppm	0.0004 ppm
Concentration per Run	-0.0038 ppm	-0.0188 ppm	0.0007 ppm	-0.0052 ppm	-0.0002 ppm	0.0030 ppm	0.0006 ppm
Concentration per Run	-0.0003 ppm	-0.0156 ppm	-0.0003 ppm	-0.0054 ppm	-0.0004 ppm	0.0031 ppm	0.0004 ppm
Recovery Percentage	-26.247 %	-3.470 %	0.699 %	-53.477 %	-3.437 %	13.602 %	4.786 %
Concentration RSD	77.1 %	9.1 %	160.6 %	1.8 %	49.7 %	22.3 %	31.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0018 ppm	89.4118 %	93.3614 %	78.2218 %	88.6389 %	96.8690 %	89.3154 %
Concentration per Run	-0.0018 ppm	89.6341 %	94.0984 %	78.3141 %	88.7777 %	95.9391 %	89.5344 %
Concentration per Run	-0.0021 ppm	89.1648 %	93.1673 %	78.0714 %	88.6256 %	96.3010 %	89.0631 %
Concentration per Run	-0.0015 ppm	89.4366 %	92.8185 %	78.2798 %	88.5135 %	98.3669 %	89.3487 %
Recovery Percentage	-36.624 %						
Concentration RSD	17.1 %	0.3 %	0.7 %	0.2 %	0.1 %	1.4 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: SIC Multi
Analysis started at: 9/18/2025 6:53:22 AM
Rack: 0
Vial: 7
Comment: LDR +/-10%

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0012 ppm	0.0392 ppm	-0.0050 ppm	0.0039 ppm	0.0002 ppm	0.0001 ppm	0.0138 ppm
Concentration per Run	-0.0013 ppm	0.0403 ppm	-0.0051 ppm	0.0036 ppm	0.0002 ppm	0.0002 ppm	0.0143 ppm
Concentration per Run	-0.0013 ppm	0.0395 ppm	-0.0043 ppm	0.0045 ppm	0.0002 ppm	0.0000 ppm	0.0148 ppm
Concentration per Run	-0.0010 ppm	0.0377 ppm	-0.0056 ppm	0.0036 ppm	0.0003 ppm	0.0001 ppm	0.0124 ppm
Recovery Percentage	-24.305 %	39.156 %	-100.253 %	13.048 %	2.270 %	1.554 %	13.845 %
Concentration RSD	13.7 %	3.4 %	13.9 %	12.7 %	17.9 %	114.8 %	9.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0074 ppm	20.2809 ppm	-0.0016 ppm	0.0148 ppm	-0.0041 ppm	-0.0003 ppm
Concentration per Run	0.0000 ppm	-0.0074 ppm	20.4773 ppm	-0.0017 ppm	0.0148 ppm	-0.0079 ppm	-0.0006 ppm
Concentration per Run	-0.0001 ppm	-0.0072 ppm	20.2889 ppm	-0.0017 ppm	0.0151 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0074 ppm	20.0764 ppm	-0.0014 ppm	0.0144 ppm	-0.0038 ppm	-0.0001 ppm
Recovery Percentage	-0.404 %	-73.501 %	202,808.744 %	-15.949 %	29.501 %	-0.165 %	-3.260 %
Concentration RSD	318.5 %	1.6 %	1.0 %	11.4 %	2.2 %	87.5 %	85.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0173 ppm	20.5668 [SIC 100]	0.0015 ppm	0.0012 ppm	-0.0002 ppm	-0.0058 ppm	-0.0382 ppm
Concentration per Run	0.0161 ppm	20.4188 ppm	0.0015 ppm	0.0023 ppm	-0.0001 ppm	-0.0057 ppm	-0.0392 ppm
Concentration per Run	0.0176 ppm	20.5891 ppm	0.0013 ppm	0.0008 ppm	-0.0005 ppm	-0.0052 ppm	-0.0412 ppm
Concentration per Run	0.0182 ppm	20.6924 ppm	0.0017 ppm	0.0006 ppm	0.0001 ppm	-0.0065 ppm	-0.0344 ppm
Recovery Percentage	17.327 %	205,667.715 %	2.950 %	0.062 %	-0.697 %	-57.777 %	-76.485 %
Concentration RSD	6.1 %	0.7 %	12.3 %	75.4 %	160.8 %	11.5 %	9.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0061 ppm	-0.0600 ppm	-0.0084 ppm	0.0001 ppm	20.1541 ppm	0.0012 ppm	10.2309 [SIC 10]
Concentration per Run	-0.0079 ppm	-0.1165 ppm	-0.0088 ppm	0.0001 ppm	20.2397 ppm	-0.0003 ppm	10.2611 ppm
Concentration per Run	-0.0029 ppm	-0.0502 ppm	-0.0083 ppm	0.0000 ppm	20.1646 ppm	0.0034 ppm	10.2299 ppm
Concentration per Run	-0.0075 ppm	-0.0133 ppm	-0.0080 ppm	0.0001 ppm	20.0579 ppm	0.0005 ppm	10.2019 ppm
Recovery Percentage	-61.234 %	-12.008 %	-16.733 %	0.571 %	201,540.745 %	5.895 %	102,309.488 %
Concentration RSD	45.1 %	87.1 %	5.2 %	94.1 %	0.5 %	166.0 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0013 ppm	105.3937 %	102.7087 %	82.3660 %	105.1386 %	102.8804 %	103.8982 %
Concentration per Run	-0.0014 ppm	105.1387 %	103.8639 %	82.1465 %	105.0770 %	104.4002 %	103.6193 %
Concentration per Run	-0.0012 ppm	105.6678 %	102.5408 %	82.3661 %	105.3303 %	102.4684 %	104.0742 %
Concentration per Run	-0.0012 ppm	105.3745 %	101.7213 %	82.5854 %	105.0084 %	101.7725 %	104.0011 %
Recovery Percentage	-25.629 %						
Concentration RSD	8.5 %	0.3 %	1.1 %	0.3 %	0.2 %	1.3 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: LDR Check
 Analysis started at: 9/18/2025 6:56:49 AM
 Rack: 0
 Vial: 8
 Comment: LDR +/-10%

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.0595 ppm	5.7694 ppm	5.1547 [SIC 20]	9.7927 ppm	0.0003 ppm	0.0193 ppm
Concentration per Run	0.0011 ppm	0.0569 ppm	5.7778 ppm	5.1375 ppm	9.7722 ppm	0.0003 ppm	0.0198 ppm
Concentration per Run	0.0008 ppm	0.0615 ppm	5.7588 ppm	5.1633 ppm	9.8377 ppm	0.0003 ppm	0.0185 ppm
Concentration per Run	0.0006 ppm	0.0602 ppm	5.7718 ppm	5.1633 ppm	9.7682 ppm	0.0003 ppm	0.0197 ppm
Recovery Percentage			115.389 %	103.095 %	97.927 %		0.000 %
Concentration RSD	30.7 %	4.0 %	0.2 %	0.3 %	0.4 %	0.8 %	3.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0005 ppm	0.0006 ppm	0.0022 ppm	20.2118 [SIC 40]	0.0072 ppm	315.2377 ppm	5.0972 ppm
Concentration per Run	0.0005 ppm	0.0006 ppm	0.0026 ppm	20.1762 ppm	0.0078 ppm	312.9257 ppm	5.0931 ppm
Concentration per Run	0.0006 ppm	0.0011 ppm	0.0020 ppm	20.2005 ppm	0.0067 ppm	317.5639 ppm	5.1263 ppm
Concentration per Run	0.0006 ppm	0.0003 ppm	0.0021 ppm	20.2586 ppm	0.0070 ppm	315.2235 ppm	5.0721 ppm
Recovery Percentage	0.000 %	0.000 %		101.059 %	0.000 %	105.079 %	101.943 %
Concentration RSD	12.1 %	63.3 %	14.0 %	0.2 %	7.6 %	0.7 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0055 ppm	0.0011 ppm	5.1842 [SIC 20]	452.5528 ppm	10.3517 [SIC 50]	49.9414 ppm	-0.0068 ppm
Concentration per Run	0.0045 ppm	0.0012 ppm	5.1677 ppm	452.2902 ppm	10.3492 ppm	49.9160 ppm	-0.0050 ppm
Concentration per Run	0.0063 ppm	0.0011 ppm	5.1885 ppm	455.7633 ppm	10.3633 ppm	49.9692 ppm	-0.0088 ppm
Concentration per Run	0.0058 ppm	0.0011 ppm	5.1963 ppm	449.6049 ppm	10.3425 ppm	49.9391 ppm	-0.0067 ppm
Recovery Percentage		0.000 %	103.684 %	90.511 %	103.517 %	99.883 %	0.000 %
Concentration RSD	17.0 %	3.5 %	0.3 %	0.7 %	0.1 %	0.1 %	28.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0005 ppm	22.0370 [SIC 200]	0.0011 ppm	0.0008 ppm	0.0254 ppm	0.0006 ppm	0.0031 ppm
Concentration per Run	0.0009 ppm	21.9542 ppm	0.0008 ppm	0.0008 ppm	0.0276 ppm	0.0009 ppm	0.0036 ppm
Concentration per Run	-0.0025 ppm	22.0734 ppm	0.0011 ppm	0.0008 ppm	0.0256 ppm	0.0001 ppm	0.0030 ppm
Concentration per Run	0.0000 ppm	22.0835 ppm	0.0015 ppm	0.0007 ppm	0.0232 ppm	0.0008 ppm	0.0027 ppm
Recovery Percentage	0.000 %	110.185 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	344.5 %	0.3 %	32.6 %	5.1 %	8.6 %	68.1 %	15.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	19.9339 ppm	92.1080 %	95.7293 %	84.9059 %	90.7892 %	95.5269 %	89.9242 %
Concentration per Run	19.8879 ppm	92.2381 %	95.7258 %	85.2825 %	90.9622 %	95.8665 %	90.4142 %
Concentration per Run	19.9455 ppm	92.0610 %	95.3263 %	84.7261 %	90.8696 %	95.3762 %	89.7102 %
Concentration per Run	19.9685 ppm	92.0251 %	96.1360 %	84.7090 %	90.5357 %	95.3381 %	89.6481 %
Recovery Percentage	99.670 %						
Concentration RSD	0.2 %	0.1 %	0.4 %	0.4 %	0.2 %	0.3 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
Analysis started at: 9/18/2025 7:39:36 AM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5146 ppm	0.4936 ppm	0.4997 ppm	0.5303 ppm	0.5109 ppm	0.5251 ppm	0.5251 ppm
Concentration per Run	0.5153 ppm	0.4888 ppm	0.4957 ppm	0.5289 ppm	0.5092 ppm	0.5171 ppm	0.5210 ppm
Concentration per Run	0.5150 ppm	0.4962 ppm	0.5016 ppm	0.5327 ppm	0.5140 ppm	0.5320 ppm	0.5257 ppm
Concentration per Run	0.5135 ppm	0.4958 ppm	0.5020 ppm	0.5294 ppm	0.5096 ppm	0.5261 ppm	0.5286 ppm
Recovery Percentage	102.918 %	98.722 %	99.947 %	106.066 %	102.187 %	105.011 %	105.025 %
Concentration RSD	0.2 %	0.8 %	0.7 %	0.4 %	0.5 %	1.4 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5311 ppm	0.5333 ppm	0.5225 ppm	0.5301 ppm	0.5169 ppm	5.2783 ppm	0.5392 ppm
Concentration per Run	0.5279 ppm	0.5313 ppm	0.5214 ppm	0.5301 ppm	0.5083 ppm	5.2374 ppm	0.5314 ppm
Concentration per Run	0.5332 ppm	0.5351 ppm	0.5241 ppm	0.5309 ppm	0.5240 ppm	5.3433 ppm	0.5471 ppm
Concentration per Run	0.5321 ppm	0.5334 ppm	0.5219 ppm	0.5293 ppm	0.5185 ppm	5.2542 ppm	0.5391 ppm
Recovery Percentage	106.215 %	106.654 %	104.493 %	106.019 %	103.383 %	105.566 %	107.848 %
Concentration RSD	0.5 %	0.4 %	0.3 %	0.2 %	1.5 %	1.1 %	1.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5380 ppm	0.5243 ppm	0.5196 ppm	10.5220 ppm	0.5375 ppm	0.5027 ppm	0.5408 ppm
Concentration per Run	0.5364 ppm	0.5188 ppm	0.5149 ppm	10.3835 ppm	0.5342 ppm	0.5011 ppm	0.5407 ppm
Concentration per Run	0.5403 ppm	0.5281 ppm	0.5236 ppm	10.5987 ppm	0.5414 ppm	0.5025 ppm	0.5429 ppm
Concentration per Run	0.5371 ppm	0.5260 ppm	0.5203 ppm	10.5839 ppm	0.5370 ppm	0.5046 ppm	0.5389 ppm
Recovery Percentage	107.591 %	104.861 %	103.928 %	105.220 %	107.504 %	100.546 %	108.170 %
Concentration RSD	0.4 %	0.9 %	0.8 %	1.1 %	0.7 %	0.3 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.5098 ppm	5.7877 ppm	0.5313 ppm	0.5249 ppm	0.5196 ppm	0.5110 ppm	0.5238 ppm
Concentration per Run	0.5079 ppm	5.7749 ppm	0.5311 ppm	0.5263 ppm	0.5211 ppm	0.5101 ppm	0.5227 ppm
Concentration per Run	0.5092 ppm	5.8001 ppm	0.5356 ppm	0.5240 ppm	0.5204 ppm	0.5132 ppm	0.5247 ppm
Concentration per Run	0.5123 ppm	5.7879 ppm	0.5273 ppm	0.5244 ppm	0.5174 ppm	0.5096 ppm	0.5239 ppm
Recovery Percentage	101.956 %	110.241 %	106.263 %	104.978 %	103.924 %	102.198 %	104.755 %
Concentration RSD	0.4 %	0.2 %	0.8 %	0.2 %	0.4 %	0.4 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5344 ppm	100.2167 %	100.6074 %	98.0254 %	98.9103 %	100.6163 %	98.7086 %
Concentration per Run	0.5309 ppm	100.0082 %	101.8843 %	98.0888 %	98.6726 %	100.8324 %	98.6280 %
Concentration per Run	0.5379 ppm	100.6084 %	99.8585 %	97.9467 %	99.4527 %	100.0801 %	98.4756 %
Concentration per Run	0.5345 ppm	100.0334 %	100.0795 %	98.0406 %	98.6057 %	100.9366 %	99.0222 %
Recovery Percentage	106.887 %						
Concentration RSD	0.7 %	0.3 %	1.1 %	0.1 %	0.5 %	0.5 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 7:43:15 AM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0005 ppm	0.0018 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0046 ppm	0.0020 ppm	0.0012 ppm	0.0000 ppm	0.0001 ppm	0.0014 ppm
Concentration per Run	-0.0002 ppm	-0.0006 ppm	0.0020 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run	0.0004 ppm	0.0037 ppm	0.0015 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Recovery Percentage	2.013 %	-0.490 %	36.305 %	2.730 %	0.219 %	0.981 %	0.347 %
Concentration RSD	335.1 %	842.6 %	15.0 %	38.0 %	126.7 %	71.9 %	291.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0001 ppm	0.0162 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0004 ppm	-0.0003 ppm	-0.0004 ppm	0.0184 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0002 ppm	0.0006 ppm	0.0201 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0000 ppm	-0.0004 ppm	-0.0006 ppm	0.0102 ppm	-0.0005 ppm
Recovery Percentage	2.706 %	0.788 %	1.698 %	-3.241 %	-0.269 %	0.649 %	2.094 %
Concentration RSD	3.1 %	419.6 %	131.5 %	42.5 %	509.8 %	32.5 %	314.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0009 ppm	0.0000 ppm	0.0046 ppm	0.0070 ppm	-0.0002 ppm	-0.0007 ppm	-0.0007 ppm
Concentration per Run	0.0012 ppm	0.0001 ppm	0.0046 ppm	0.0083 ppm	-0.0001 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0007 ppm	0.0000 ppm	0.0045 ppm	0.0046 ppm	-0.0006 ppm	-0.0010 ppm	-0.0002 ppm
Concentration per Run	0.0009 ppm	0.0000 ppm	0.0047 ppm	0.0081 ppm	0.0002 ppm	-0.0004 ppm	-0.0016 ppm
Recovery Percentage	0.929 %	0.326 %	9.198 %	0.351 %	-0.630 %	-6.795 %	-1.353 %
Concentration RSD	29.9 %	136.9 %	2.1 %	30.0 %	265.1 %	43.6 %	122.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0030 ppm	0.0008 ppm	0.0013 ppm	0.0000 ppm	0.0007 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run	0.0042 ppm	-0.0005 ppm	0.0011 ppm	0.0000 ppm	0.0007 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run	0.0012 ppm	0.0025 ppm	0.0017 ppm	0.0000 ppm	0.0005 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run	0.0038 ppm	0.0005 ppm	0.0013 ppm	-0.0001 ppm	0.0009 ppm	0.0011 ppm	0.0000 ppm
Recovery Percentage	30.473 %	0.167 %	2.656 %	-0.264 %	6.944 %	4.839 %	0.698 %
Concentration RSD	52.8 %	182.0 %	22.3 %	312.6 %	26.2 %	46.7 %	29.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	104.1073 %	98.2153 %	102.0633 %	105.2968 %	99.5128 %	103.1323 %
Concentration per Run	0.0001 ppm	104.0472 %	98.4019 %	101.5231 %	105.1353 %	100.7723 %	102.6839 %
Concentration per Run	0.0003 ppm	104.5908 %	98.5504 %	102.1376 %	106.0926 %	99.3675 %	103.1261 %
Concentration per Run	0.0002 ppm	103.6839 %	97.6935 %	102.5291 %	104.6625 %	98.3986 %	103.5870 %
Recovery Percentage	3.911 %						
Concentration RSD	38.7 %	0.4 %	0.5 %	0.5 %	0.7 %	1.2 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557235-01d2 WG2115354
 Analysis started at: 9/18/2025 8:06:31 AM
 Rack: 1
 Vial: 1
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0015 ppm	157.8427 ppm	0.1199 ppm	0.1734 ppm	0.2036 ppm	0.0061 ppm	106.8143 ppm
Concentration per Run	0.0012 ppm	157.8831 ppm	0.1209 ppm	0.1755 ppm	0.2031 ppm	0.0062 ppm	107.5549 ppm
Concentration per Run	0.0016 ppm	158.2783 ppm	0.1184 ppm	0.1741 ppm	0.2044 ppm	0.0059 ppm	105.6818 ppm
Concentration per Run	0.0018 ppm	157.3668 ppm	0.1203 ppm	0.1707 ppm	0.2032 ppm	0.0061 ppm	107.2062 ppm
Concentration RSD	18.4 %	0.3 %	1.1 %	1.4 %	0.4 %	2.1 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	0.1760 ppm	0.4522 ppm	0.6298 ppm	195.4535 ppm	44.4260 ppm	0.2833 ppm
Concentration per Run	-0.0002 ppm	0.1775 ppm	0.4557 ppm	0.6339 ppm	196.5025 ppm	44.3058 ppm	0.2852 ppm
Concentration per Run	0.0000 ppm	0.1760 ppm	0.4533 ppm	0.6304 ppm	194.2925 ppm	44.6164 ppm	0.2810 ppm
Concentration per Run	-0.0003 ppm	0.1744 ppm	0.4475 ppm	0.6252 ppm	195.5655 ppm	44.3559 ppm	0.2838 ppm
Concentration RSD	81.0 %	0.9 %	0.9 %	0.7 %	0.6 %	0.4 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	170.8868 ppm	4.1830 ppm	0.0044 ppm	11.5024 ppm	0.4452 ppm	0.0496 ppm	0.0005 ppm
Concentration per Run	171.8776 ppm	4.1985 ppm	0.0046 ppm	11.4797 ppm	0.4491 ppm	0.0499 ppm	0.0008 ppm
Concentration per Run	171.3233 ppm	4.1629 ppm	0.0041 ppm	11.5385 ppm	0.4460 ppm	0.0496 ppm	0.0010 ppm
Concentration per Run	169.4595 ppm	4.1874 ppm	0.0045 ppm	11.4891 ppm	0.4404 ppm	0.0494 ppm	-0.0004 ppm
Concentration RSD	0.7 %	0.4 %	6.9 %	0.3 %	1.0 %	0.5 %	163.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0025 ppm	3.5772 ppm	0.0116 ppm	0.5242 ppm	7.8606 ppm	0.0055 ppm	0.5271 ppm
Concentration per Run	-0.0035 ppm	3.6115 ppm	0.0115 ppm	0.5292 ppm	7.9006 ppm	0.0049 ppm	0.5300 ppm
Concentration per Run	-0.0019 ppm	3.5814 ppm	0.0132 ppm	0.5242 ppm	7.8721 ppm	0.0066 ppm	0.5278 ppm
Concentration per Run	-0.0022 ppm	3.5388 ppm	0.0101 ppm	0.5192 ppm	7.8090 ppm	0.0050 ppm	0.5236 ppm
Concentration RSD	35.6 %	1.0 %	13.5 %	1.0 %	0.6 %	17.6 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4121 ppm	101.0498 %	106.4388 %	83.6333 %	118.7580 %	130.6789 %	118.9257 %
Concentration per Run	0.4148 ppm	100.8983 %	106.9980 %	83.6224 %	118.3293 %	131.8384 %	119.2245 %
Concentration per Run	0.4135 ppm	101.3377 %	107.3956 %	83.5135 %	119.4900 %	130.2146 %	118.3459 %
Concentration per Run	0.4078 ppm	100.9135 %	104.9227 %	83.7639 %	118.4548 %	129.9836 %	119.2068 %
Concentration RSD	0.9 %	0.2 %	1.2 %	0.2 %	0.5 %	0.8 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-20d2 WG2115354
 Analysis started at: 9/18/2025 8:10:09 AM
 Rack: 1
 Vial: 2
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0052 ppm	49.1961 ppm	0.1170 ppm	0.0326 ppm	13.4442 ppm	0.0034 ppm	254.1578 ppm
Concentration per Run	0.0053 ppm	49.1348 ppm	0.1165 ppm	0.0329 ppm	13.4221 ppm	0.0034 ppm	254.6335 ppm
Concentration per Run	0.0050 ppm	49.2177 ppm	0.1175 ppm	0.0320 ppm	13.4705 ppm	0.0034 ppm	253.9845 ppm
Concentration per Run	0.0054 ppm	49.2359 ppm	0.1170 ppm	0.0329 ppm	13.4400 ppm	0.0034 ppm	253.8554 ppm
Concentration RSD	4.4 %	0.1 %	0.4 %	1.5 %	0.2 %	1.1 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0087 ppm	0.0538 ppm	0.2026 ppm	0.5872 ppm	188.1399 ppm	7.2325 ppm	0.0777 ppm
Concentration per Run	0.0085 ppm	0.0542 ppm	0.2024 ppm	0.5871 ppm	187.5681 ppm	7.2445 ppm	0.0788 ppm
Concentration per Run	0.0088 ppm	0.0533 ppm	0.2023 ppm	0.5853 ppm	187.9271 ppm	7.2419 ppm	0.0796 ppm
Concentration per Run	0.0089 ppm	0.0538 ppm	0.2032 ppm	0.5893 ppm	188.9246 ppm	7.2113 ppm	0.0749 ppm
Concentration RSD	2.1 %	0.8 %	0.3 %	0.3 %	0.4 %	0.3 %	3.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	29.8917 ppm	2.7230 ppm	0.0051 ppm	1.5031 ppm	0.2890 ppm	43.7916 ppm	0.0129 ppm
Concentration per Run	29.9219 ppm	2.7242 ppm	0.0052 ppm	1.5084 ppm	0.2877 ppm	43.6993 ppm	0.0116 ppm
Concentration per Run	29.8607 ppm	2.7177 ppm	0.0050 ppm	1.5019 ppm	0.2889 ppm	43.8018 ppm	0.0139 ppm
Concentration per Run	29.8926 ppm	2.7272 ppm	0.0050 ppm	1.4991 ppm	0.2905 ppm	43.8737 ppm	0.0131 ppm
Concentration RSD	0.1 %	0.2 %	1.8 %	0.3 %	0.5 %	0.2 %	9.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0086 ppm	3.5745 ppm	0.8990 ppm	0.8783 ppm	2.0611 ppm	0.0012 ppm	0.2131 ppm
Concentration per Run	0.0079 ppm	3.5762 ppm	0.8949 ppm	0.8776 ppm	2.0548 ppm	0.0003 ppm	0.2136 ppm
Concentration per Run	0.0083 ppm	3.5600 ppm	0.8931 ppm	0.8818 ppm	2.0601 ppm	0.0016 ppm	0.2126 ppm
Concentration per Run	0.0095 ppm	3.5873 ppm	0.9089 ppm	0.8754 ppm	2.0685 ppm	0.0017 ppm	0.2132 ppm
Concentration RSD	9.9 %	0.4 %	1.0 %	0.4 %	0.3 %	64.2 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	7.4137 ppm	100.9681 %	101.0005 %	86.8937 %	118.1814 %	119.7822 %	116.8837 %
Concentration per Run	7.3951 ppm	100.9578 %	100.7464 %	86.9141 %	118.4405 %	120.0394 %	116.7250 %
Concentration per Run	7.3640 ppm	100.8317 %	101.3141 %	87.0983 %	117.6339 %	120.3863 %	117.0362 %
Concentration per Run	7.4820 ppm	101.1149 %	100.9409 %	86.6687 %	118.4698 %	118.9210 %	116.8901 %
Concentration RSD	0.8 %	0.1 %	0.3 %	0.2 %	0.4 %	0.6 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-21d2 WG2115354
 Analysis started at: 9/18/2025 8:13:33 AM
 Rack: 1
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0059 ppm	76.8856 ppm	0.2056 ppm	0.4017 ppm	3.7955 ppm	0.0063 ppm	207.4495 ppm
Concentration per Run	0.0055 ppm	77.3030 ppm	0.2060 ppm	0.4029 ppm	3.8121 ppm	0.0063 ppm	207.9426 ppm
Concentration per Run	0.0059 ppm	76.6850 ppm	0.2046 ppm	0.4037 ppm	3.7779 ppm	0.0063 ppm	207.2286 ppm
Concentration per Run	0.0061 ppm	76.6687 ppm	0.2061 ppm	0.3987 ppm	3.7963 ppm	0.0063 ppm	207.1771 ppm
Concentration RSD	5.1 %	0.5 %	0.4 %	0.7 %	0.5 %	0.5 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0073 ppm	0.0869 ppm	0.2099 ppm	1.3289 ppm	184.2359 ppm	8.6552 ppm	0.1741 ppm
Concentration per Run	0.0074 ppm	0.0866 ppm	0.2110 ppm	1.3399 ppm	184.6548 ppm	8.7004 ppm	0.1772 ppm
Concentration per Run	0.0074 ppm	0.0876 ppm	0.2104 ppm	1.3249 ppm	183.4793 ppm	8.6414 ppm	0.1725 ppm
Concentration per Run	0.0072 ppm	0.0865 ppm	0.2082 ppm	1.3220 ppm	184.5737 ppm	8.6239 ppm	0.1725 ppm
Concentration RSD	1.2 %	0.7 %	0.7 %	0.7 %	0.4 %	0.5 %	1.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	26.4392 ppm	3.4540 ppm	0.0144 ppm	3.5044 ppm	0.3101 ppm	13.4587 ppm	0.0214 ppm
Concentration per Run	26.4910 ppm	3.4622 ppm	0.0141 ppm	3.5259 ppm	0.3124 ppm	13.5344 ppm	0.0210 ppm
Concentration per Run	26.5686 ppm	3.4470 ppm	0.0145 ppm	3.5018 ppm	0.3111 ppm	13.4867 ppm	0.0217 ppm
Concentration per Run	26.2579 ppm	3.4529 ppm	0.0146 ppm	3.4856 ppm	0.3069 ppm	13.3552 ppm	0.0215 ppm
Concentration RSD	0.6 %	0.2 %	1.9 %	0.6 %	0.9 %	0.7 %	1.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0067 ppm	3.8039 ppm	0.4956 ppm	1.0519 ppm	2.2450 ppm	0.0005 ppm	0.2474 ppm
Concentration per Run	0.0054 ppm	3.8131 ppm	0.5005 ppm	1.0533 ppm	2.2556 ppm	0.0009 ppm	0.2481 ppm
Concentration per Run	0.0071 ppm	3.8237 ppm	0.4972 ppm	1.0496 ppm	2.2443 ppm	-0.0001 ppm	0.2481 ppm
Concentration per Run	0.0076 ppm	3.7750 ppm	0.4891 ppm	1.0528 ppm	2.2351 ppm	0.0007 ppm	0.2460 ppm
Concentration RSD	17.3 %	0.7 %	1.2 %	0.2 %	0.5 %	110.4 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	6.0007 ppm	102.2989 %	103.1024 %	88.7224 %	121.3811 %	122.5152 %	119.8565 %
Concentration per Run	6.0355 ppm	101.9820 %	103.0430 %	88.3776 %	121.1053 %	122.3688 %	119.6181 %
Concentration per Run	6.0263 ppm	102.3504 %	103.0656 %	88.8169 %	121.4541 %	122.4567 %	120.2530 %
Concentration per Run	5.9404 ppm	102.5643 %	103.1985 %	88.9728 %	121.5839 %	122.7202 %	119.6985 %
Concentration RSD	0.9 %	0.3 %	0.1 %	0.3 %	0.2 %	0.1 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-22d2 WG2115354
 Analysis started at: 9/18/2025 8:16:58 AM
 Rack: 1
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0214 ppm	66.5013 ppm	0.2085 ppm	0.1583 ppm	8.7649 ppm	0.0048 ppm	370.9810 ppm
Concentration per Run	0.0215 ppm	66.9625 ppm	0.2084 ppm	0.1595 ppm	8.7732 ppm	0.0048 ppm	373.5703 ppm
Concentration per Run	0.0208 ppm	66.7052 ppm	0.2067 ppm	0.1576 ppm	8.7894 ppm	0.0048 ppm	370.3538 ppm
Concentration per Run	0.0218 ppm	65.8361 ppm	0.2103 ppm	0.1579 ppm	8.7321 ppm	0.0048 ppm	369.0189 ppm
Concentration RSD	2.3 %	0.9 %	0.9 %	0.6 %	0.3 %	0.5 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0252 ppm	0.0965 ppm	0.8150 ppm	4.6849 ppm	419.1524 [SIC 500]	6.7434 ppm	0.1175 ppm
Concentration per Run	0.0253 ppm	0.0967 ppm	0.8207 ppm	4.6982 ppm	421.5962 ppm	6.7760 ppm	0.1187 ppm
Concentration per Run	0.0252 ppm	0.0967 ppm	0.8158 ppm	4.6719 ppm	418.0526 ppm	6.7590 ppm	0.1153 ppm
Concentration per Run	0.0250 ppm	0.0961 ppm	0.8086 ppm	4.6848 ppm	417.8084 ppm	6.6951 ppm	0.1184 ppm
Concentration RSD	0.5 %	0.3 %	0.7 %	0.3 %	0.5 %	0.6 %	1.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	45.5170 ppm	4.1176 ppm	0.0476 ppm	4.6543 ppm	0.5426 ppm	30.3247 ppm	0.0357 ppm
Concentration per Run	45.5974 ppm	4.1399 ppm	0.0481 ppm	4.6712 ppm	0.5450 ppm	30.4738 ppm	0.0335 ppm
Concentration per Run	45.6945 ppm	4.1111 ppm	0.0473 ppm	4.6603 ppm	0.5442 ppm	30.2242 ppm	0.0357 ppm
Concentration per Run	45.2591 ppm	4.1017 ppm	0.0474 ppm	4.6315 ppm	0.5385 ppm	30.2759 ppm	0.0379 ppm
Concentration RSD	0.5 %	0.5 %	0.9 %	0.4 %	0.7 %	0.4 %	6.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0127 ppm	5.3007 ppm	0.7066 ppm	1.5492 ppm	1.9395 ppm	0.0004 ppm	0.2992 ppm
Concentration per Run	0.0135 ppm	5.3292 ppm	0.7102 ppm	1.5499 ppm	1.9515 ppm	0.0022 ppm	0.3000 ppm
Concentration per Run	0.0142 ppm	5.3054 ppm	0.7053 ppm	1.5509 ppm	1.9417 ppm	0.0006 ppm	0.2998 ppm
Concentration per Run	0.0103 ppm	5.2676 ppm	0.7042 ppm	1.5469 ppm	1.9254 ppm	-0.0016 ppm	0.2978 ppm
Concentration RSD	16.2 %	0.6 %	0.5 %	0.1 %	0.7 %	462.0 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	15.2861 ppm	96.8889 %	99.3377 %	80.7798 %	108.3045 %	112.2366 %	106.2592 %
Concentration per Run	15.3746 ppm	97.0081 %	98.7717 %	80.5322 %	108.4972 %	111.6515 %	106.2598 %
Concentration per Run	15.2817 ppm	96.8593 %	99.2519 %	80.8244 %	108.2654 %	111.9236 %	106.1889 %
Concentration per Run	15.2021 ppm	96.7992 %	99.9895 %	80.9828 %	108.1510 %	113.1347 %	106.3289 %
Concentration RSD	0.6 %	0.1 %	0.6 %	0.3 %	0.2 %	0.7 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-23d2 WG2115354
 Analysis started at: 9/18/2025 8:20:22 AM
 Rack: 1
 Vial: 5
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0040 ppm	61.3172 ppm	0.3788 ppm	0.0816 ppm	2.0220 ppm	0.0053 ppm	406.8404 ppm
Concentration per Run	0.0041 ppm	61.2132 ppm	0.3817 ppm	0.0830 ppm	2.0180 ppm	0.0053 ppm	407.6091 ppm
Concentration per Run	0.0040 ppm	61.4086 ppm	0.3758 ppm	0.0800 ppm	2.0417 ppm	0.0052 ppm	407.0957 ppm
Concentration per Run	0.0039 ppm	61.3298 ppm	0.3789 ppm	0.0818 ppm	2.0063 ppm	0.0053 ppm	405.8165 ppm
Concentration RSD	2.0 %	0.2 %	0.8 %	1.9 %	0.9 %	0.5 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0075 ppm	0.0746 ppm	0.3728 ppm	1.6958 ppm	212.5435 ppm	8.3798 ppm	0.2184 ppm
Concentration per Run	0.0076 ppm	0.0745 ppm	0.3737 ppm	1.6996 ppm	212.7037 ppm	8.3833 ppm	0.2177 ppm
Concentration per Run	0.0074 ppm	0.0745 ppm	0.3717 ppm	1.6978 ppm	213.2750 ppm	8.4280 ppm	0.2167 ppm
Concentration per Run	0.0076 ppm	0.0749 ppm	0.3732 ppm	1.6901 ppm	211.6518 ppm	8.3280 ppm	0.2207 ppm
Concentration RSD	1.6 %	0.3 %	0.3 %	0.3 %	0.4 %	0.6 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	69.7537 ppm	3.0397 ppm	0.0226 ppm	4.2586 ppm	0.3907 ppm	8.8858 ppm	0.0094 ppm
Concentration per Run	70.1938 ppm	3.0487 ppm	0.0226 ppm	4.2509 ppm	0.3917 ppm	8.8588 ppm	0.0101 ppm
Concentration per Run	69.4329 ppm	3.0399 ppm	0.0225 ppm	4.2596 ppm	0.3884 ppm	8.8814 ppm	0.0084 ppm
Concentration per Run	69.6343 ppm	3.0304 ppm	0.0226 ppm	4.2654 ppm	0.3920 ppm	8.9172 ppm	0.0097 ppm
Concentration RSD	0.6 %	0.3 %	0.3 %	0.2 %	0.5 %	0.3 %	9.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0844 ppm	2.4974 ppm	0.2605 ppm	1.5905 ppm	1.9400 ppm	0.0053 ppm	0.2769 ppm
Concentration per Run	0.0853 ppm	2.5021 ppm	0.2611 ppm	1.5832 ppm	1.9493 ppm	0.0047 ppm	0.2777 ppm
Concentration per Run	0.0841 ppm	2.4835 ppm	0.2590 ppm	1.5959 ppm	1.9327 ppm	0.0055 ppm	0.2765 ppm
Concentration per Run	0.0839 ppm	2.5066 ppm	0.2613 ppm	1.5923 ppm	1.9382 ppm	0.0055 ppm	0.2765 ppm
Concentration RSD	0.9 %	0.5 %	0.5 %	0.4 %	0.4 %	8.9 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	5.1837 ppm	98.4278 %	100.1751 %	85.0282 %	111.1764 %	114.2142 %	109.2671 %
Concentration per Run	5.1909 ppm	98.3959 %	100.3601 %	85.5125 %	111.2146 %	114.1067 %	109.5815 %
Concentration per Run	5.1732 ppm	98.5087 %	100.0849 %	84.4704 %	111.1782 %	114.1902 %	108.6955 %
Concentration per Run	5.1872 ppm	98.3789 %	100.0802 %	85.1015 %	111.1364 %	114.3458 %	109.5243 %
Concentration RSD	0.2 %	0.1 %	0.2 %	0.6 %	0.0 %	0.1 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-24d2 WG2115354
 Analysis started at: 9/18/2025 8:23:48 AM
 Rack: 1
 Vial: 6
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0071 ppm	70.5592 ppm	0.2011 ppm	0.0531 ppm	5.6170 ppm	0.0032 ppm	512.4974 ppm
Concentration per Run	0.0074 ppm	70.9861 ppm	0.2017 ppm	0.0535 ppm	5.6422 ppm	0.0032 ppm	514.5635 ppm
Concentration per Run	0.0067 ppm	70.3023 ppm	0.2036 ppm	0.0525 ppm	5.5719 ppm	0.0031 ppm	511.8827 ppm
Concentration per Run	0.0073 ppm	70.3894 ppm	0.1979 ppm	0.0533 ppm	5.6370 ppm	0.0032 ppm	511.0461 ppm
Concentration RSD	5.7 %	0.5 %	1.5 %	1.0 %	0.7 %	1.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0428 ppm	0.0783 ppm	1.9059 ppm	5.3240 ppm	382.4867 ppm	4.9290 ppm	0.0571 ppm
Concentration per Run	0.0432 ppm	0.0781 ppm	1.9215 ppm	5.3583 ppm	383.4188 ppm	4.9617 ppm	0.0510 ppm
Concentration per Run	0.0429 ppm	0.0787 ppm	1.9092 ppm	5.3336 ppm	381.3134 ppm	4.9044 ppm	0.0590 ppm
Concentration per Run	0.0421 ppm	0.0783 ppm	1.8869 ppm	5.2801 ppm	382.7280 ppm	4.9209 ppm	0.0613 ppm
Concentration RSD	1.3 %	0.4 %	0.9 %	0.8 %	0.3 %	0.6 %	9.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	43.2155 ppm	3.2411 ppm	0.0433 ppm	2.0849 ppm	0.6451 ppm	28.2709 ppm	0.0268 ppm
Concentration per Run	43.4507 ppm	3.2589 ppm	0.0432 ppm	2.0859 ppm	0.6486 ppm	28.5616 ppm	0.0243 ppm
Concentration per Run	43.3074 ppm	3.2310 ppm	0.0434 ppm	2.0792 ppm	0.6467 ppm	28.2217 ppm	0.0241 ppm
Concentration per Run	42.8885 ppm	3.2334 ppm	0.0432 ppm	2.0895 ppm	0.6401 ppm	28.0293 ppm	0.0320 ppm
Concentration RSD	0.7 %	0.5 %	0.3 %	0.2 %	0.7 %	1.0 %	16.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0146 ppm	3.8131 ppm	0.5803 ppm	1.8834 ppm	2.9574 ppm	0.0020 ppm	0.2544 ppm
Concentration per Run	0.0108 ppm	3.8356 ppm	0.5864 ppm	1.8917 ppm	2.9783 ppm	0.0021 ppm	0.2559 ppm
Concentration per Run	0.0162 ppm	3.8062 ppm	0.5797 ppm	1.8755 ppm	2.9606 ppm	0.0023 ppm	0.2551 ppm
Concentration per Run	0.0168 ppm	3.7976 ppm	0.5749 ppm	1.8829 ppm	2.9334 ppm	0.0016 ppm	0.2523 ppm
Concentration RSD	22.7 %	0.5 %	1.0 %	0.4 %	0.8 %	19.3 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	16.5778 ppm	95.8462 %	99.6436 %	78.9296 %	105.2001 %	110.3713 %	102.2700 %
Concentration per Run	16.7221 ppm	96.2723 %	99.5532 %	78.7559 %	105.7502 %	109.5022 %	102.2700 %
Concentration per Run	16.6042 ppm	95.7831 %	99.6762 %	78.9142 %	105.1425 %	110.5797 %	102.2264 %
Concentration per Run	16.4072 ppm	95.4832 %	99.7013 %	79.1187 %	104.7074 %	111.0319 %	102.3137 %
Concentration RSD	1.0 %	0.4 %	0.1 %	0.2 %	0.5 %	0.7 %	0.0 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-25d2 WG2115354
 Analysis started at: 9/18/2025 8:27:13 AM
 Rack: 1
 Vial: 7
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0051 ppm	68.5874 ppm	0.2034 ppm	0.0656 ppm	3.0679 ppm	0.0046 ppm	506.0267 ppm
Concentration per Run	0.0053 ppm	68.4094 ppm	0.2020 ppm	0.0649 ppm	3.0591 ppm	0.0046 ppm	504.0462 ppm
Concentration per Run	0.0053 ppm	68.8057 ppm	0.2064 ppm	0.0658 ppm	3.0651 ppm	0.0045 ppm	507.1421 ppm
Concentration per Run	0.0048 ppm	68.5470 ppm	0.2018 ppm	0.0661 ppm	3.0794 ppm	0.0046 ppm	506.8918 ppm
Concentration RSD	5.6 %	0.3 %	1.3 %	1.0 %	0.3 %	0.8 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0080 ppm	0.0736 ppm	0.2712 ppm	1.6480 ppm	194.0045 ppm	8.8283 ppm	0.1680 ppm
Concentration per Run	0.0081 ppm	0.0733 ppm	0.2706 ppm	1.6494 ppm	193.6905 ppm	8.8512 ppm	0.1713 ppm
Concentration per Run	0.0078 ppm	0.0734 ppm	0.2720 ppm	1.6468 ppm	193.5493 ppm	8.8087 ppm	0.1673 ppm
Concentration per Run	0.0081 ppm	0.0739 ppm	0.2711 ppm	1.6476 ppm	194.7738 ppm	8.8250 ppm	0.1653 ppm
Concentration RSD	2.0 %	0.4 %	0.3 %	0.1 %	0.3 %	0.2 %	1.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	101.0573 ppm	2.5223 ppm	0.0178 ppm	3.8880 ppm	0.2700 ppm	16.4967 ppm	0.0130 ppm
Concentration per Run	100.9798 ppm	2.5157 ppm	0.0181 ppm	3.8682 ppm	0.2681 ppm	16.5362 ppm	0.0112 ppm
Concentration per Run	100.9805 ppm	2.5255 ppm	0.0178 ppm	3.9060 ppm	0.2710 ppm	16.5535 ppm	0.0141 ppm
Concentration per Run	101.2115 ppm	2.5259 ppm	0.0175 ppm	3.8899 ppm	0.2708 ppm	16.4004 ppm	0.0137 ppm
Concentration RSD	0.1 %	0.2 %	1.5 %	0.5 %	0.6 %	0.5 %	12.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0142 ppm	4.3133 ppm	0.1754 ppm	1.4714 ppm	2.2592 ppm	0.0035 ppm	0.3312 ppm
Concentration per Run	0.0128 ppm	4.3279 ppm	0.1738 ppm	1.4737 ppm	2.2534 ppm	0.0035 ppm	0.3316 ppm
Concentration per Run	0.0161 ppm	4.3045 ppm	0.1752 ppm	1.4636 ppm	2.2688 ppm	0.0032 ppm	0.3312 ppm
Concentration per Run	0.0137 ppm	4.3076 ppm	0.1772 ppm	1.4769 ppm	2.2556 ppm	0.0037 ppm	0.3307 ppm
Concentration RSD	12.1 %	0.3 %	1.0 %	0.5 %	0.4 %	7.0 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	5.2536 ppm	96.7724 %	99.6755 %	82.8437 %	115.9445 %	120.8658 %	114.4547 %
Concentration per Run	5.2177 ppm	97.0509 %	99.5700 %	82.9653 %	115.8690 %	120.0012 %	114.3214 %
Concentration per Run	5.2596 ppm	96.6906 %	100.0335 %	83.0800 %	115.9086 %	121.6372 %	114.8804 %
Concentration per Run	5.2837 ppm	96.5757 %	99.4229 %	82.4858 %	116.0559 %	120.9590 %	114.1623 %
Concentration RSD	0.6 %	0.3 %	0.3 %	0.4 %	0.1 %	0.7 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-26d2 WG2115354
 Analysis started at: 9/18/2025 8:30:39 AM
 Rack: 1
 Vial: 8
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0053 ppm	57.4494 ppm	0.1887 ppm	0.0495 ppm	3.7849 ppm	0.0069 ppm	473.6891 ppm
Concentration per Run	0.0051 ppm	57.0621 ppm	0.1896 ppm	0.0482 ppm	3.7483 ppm	0.0069 ppm	472.4594 ppm
Concentration per Run	0.0057 ppm	57.9137 ppm	0.1854 ppm	0.0501 ppm	3.8386 ppm	0.0070 ppm	477.3969 ppm
Concentration per Run	0.0053 ppm	57.3725 ppm	0.1911 ppm	0.0501 ppm	3.7676 ppm	0.0069 ppm	471.2108 ppm
Concentration RSD	5.6 %	0.8 %	1.6 %	2.2 %	1.3 %	1.0 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0262 ppm	0.1100 ppm	0.2853 ppm	2.4997 ppm	267.2245 ppm	6.2172 ppm	0.0839 ppm
Concentration per Run	0.0264 ppm	0.1107 ppm	0.2859 ppm	2.5051 ppm	265.3830 ppm	6.1715 ppm	0.0890 ppm
Concentration per Run	0.0263 ppm	0.1100 ppm	0.2854 ppm	2.4963 ppm	270.9081 ppm	6.2948 ppm	0.0773 ppm
Concentration per Run	0.0259 ppm	0.1092 ppm	0.2845 ppm	2.4978 ppm	265.3825 ppm	6.1851 ppm	0.0856 ppm
Concentration RSD	1.1 %	0.7 %	0.2 %	0.2 %	1.2 %	1.1 %	7.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	69.0541 ppm	2.8478 ppm	0.0183 ppm	3.5907 ppm	0.3421 ppm	13.2923 ppm	0.0219 ppm
Concentration per Run	69.0674 ppm	2.8352 ppm	0.0178 ppm	3.5756 ppm	0.3422 ppm	13.3025 ppm	0.0214 ppm
Concentration per Run	69.0000 ppm	2.8700 ppm	0.0188 ppm	3.6041 ppm	0.3416 ppm	13.2984 ppm	0.0223 ppm
Concentration per Run	69.0951 ppm	2.8382 ppm	0.0183 ppm	3.5924 ppm	0.3427 ppm	13.2760 ppm	0.0220 ppm
Concentration RSD	0.1 %	0.7 %	2.9 %	0.4 %	0.2 %	0.1 %	2.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0097 ppm	4.8346 ppm	0.2910 ppm	1.3630 ppm	2.2752 ppm	0.0010 ppm	0.2638 ppm
Concentration per Run	0.0099 ppm	4.8359 ppm	0.2898 ppm	1.3509 ppm	2.2741 ppm	0.0007 ppm	0.2644 ppm
Concentration per Run	0.0094 ppm	4.8351 ppm	0.2935 ppm	1.3714 ppm	2.2814 ppm	0.0016 ppm	0.2640 ppm
Concentration per Run	0.0098 ppm	4.8328 ppm	0.2899 ppm	1.3667 ppm	2.2700 ppm	0.0007 ppm	0.2630 ppm
Concentration RSD	2.6 %	0.0 %	0.7 %	0.8 %	0.3 %	54.3 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	6.6144 ppm	98.6851 %	101.5593 %	84.0252 %	108.6140 %	113.1070 %	107.3594 %
Concentration per Run	6.6271 ppm	98.4408 %	101.8302 %	84.0065 %	108.2481 %	113.5674 %	107.4859 %
Concentration per Run	6.6070 ppm	98.7575 %	100.2329 %	84.1750 %	108.6753 %	111.3926 %	107.5708 %
Concentration per Run	6.6091 ppm	98.8569 %	102.6148 %	83.8941 %	108.9185 %	114.3608 %	107.0215 %
Concentration RSD	0.2 %	0.2 %	1.2 %	0.2 %	0.3 %	1.4 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-27d2 WG2115354
 Analysis started at: 9/18/2025 8:34:04 AM
 Rack: 1
 Vial: 9
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0046 ppm	51.6516 ppm	0.1473 ppm	0.0526 ppm	3.7472 ppm	0.0046 ppm	272.8908 ppm
Concentration per Run	0.0042 ppm	51.9020 ppm	0.1462 ppm	0.0515 ppm	3.7911 ppm	0.0046 ppm	273.8087 ppm
Concentration per Run	0.0051 ppm	51.6368 ppm	0.1478 ppm	0.0541 ppm	3.7531 ppm	0.0046 ppm	273.1914 ppm
Concentration per Run	0.0044 ppm	51.4162 ppm	0.1479 ppm	0.0520 ppm	3.6975 ppm	0.0045 ppm	271.6723 ppm
Concentration RSD	9.9 %	0.5 %	0.7 %	2.6 %	1.3 %	1.1 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0156 ppm	0.0886 ppm	0.3330 ppm	1.7907 ppm	213.3197 ppm	7.7520 ppm	0.0855 ppm
Concentration per Run	0.0157 ppm	0.0891 ppm	0.3355 ppm	1.7926 ppm	214.7854 ppm	7.8547 ppm	0.0857 ppm
Concentration per Run	0.0156 ppm	0.0889 ppm	0.3327 ppm	1.7989 ppm	213.4018 ppm	7.7526 ppm	0.0859 ppm
Concentration per Run	0.0155 ppm	0.0878 ppm	0.3308 ppm	1.7807 ppm	211.7719 ppm	7.6486 ppm	0.0849 ppm
Concentration RSD	0.9 %	0.8 %	0.7 %	0.5 %	0.7 %	1.3 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	33.5338 ppm	2.8248 ppm	0.0141 ppm	4.4107 ppm	0.3160 ppm	8.5560 ppm	0.0252 ppm
Concentration per Run	33.7076 ppm	2.8372 ppm	0.0142 ppm	4.4422 ppm	0.3178 ppm	8.5557 ppm	0.0270 ppm
Concentration per Run	33.5937 ppm	2.8191 ppm	0.0137 ppm	4.4220 ppm	0.3156 ppm	8.5449 ppm	0.0222 ppm
Concentration per Run	33.2999 ppm	2.8180 ppm	0.0144 ppm	4.3678 ppm	0.3145 ppm	8.5674 ppm	0.0266 ppm
Concentration RSD	0.6 %	0.4 %	2.5 %	0.9 %	0.5 %	0.1 %	10.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0120 ppm	4.6469 ppm	0.2957 ppm	0.8151 ppm	2.2066 ppm	0.0010 ppm	0.2508 ppm
Concentration per Run	0.0118 ppm	4.6906 ppm	0.2988 ppm	0.8196 ppm	2.2081 ppm	0.0018 ppm	0.2520 ppm
Concentration per Run	0.0130 ppm	4.6221 ppm	0.2946 ppm	0.8181 ppm	2.2093 ppm	-0.0002 ppm	0.2507 ppm
Concentration per Run	0.0110 ppm	4.6281 ppm	0.2935 ppm	0.8076 ppm	2.2023 ppm	0.0015 ppm	0.2496 ppm
Concentration RSD	8.5 %	0.8 %	0.9 %	0.8 %	0.2 %	103.5 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	5.6686 ppm	100.0993 %	102.0064 %	86.3367 %	111.7058 %	114.2798 %	109.3802 %
Concentration per Run	5.6910 ppm	99.7561 %	101.4784 %	86.4545 %	111.1735 %	113.2855 %	109.5685 %
Concentration per Run	5.6894 ppm	99.9697 %	102.4447 %	86.8205 %	111.6357 %	115.7977 %	109.6363 %
Concentration per Run	5.6253 ppm	100.5719 %	102.0962 %	85.7350 %	112.3082 %	113.7562 %	108.9359 %
Concentration RSD	0.7 %	0.4 %	0.5 %	0.6 %	0.5 %	1.2 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: eL2557399-28d2 WG2115354
 Analysis started at: 9/18/2025 8:37:31 AM
 Rack: 1
 Vial: 10
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0052 ppm	56.1127 ppm	0.2465 ppm	0.0592 ppm	3.5264 ppm	0.0054 ppm	264.7790 ppm
Concentration per Run	0.0051 ppm	56.3277 ppm	0.2463 ppm	0.0616 ppm	3.5543 ppm	0.0054 ppm	265.2021 ppm
Concentration per Run	0.0056 ppm	56.2165 ppm	0.2471 ppm	0.0575 ppm	3.5272 ppm	0.0054 ppm	266.0515 ppm
Concentration per Run	0.0051 ppm	55.7938 ppm	0.2461 ppm	0.0584 ppm	3.4977 ppm	0.0053 ppm	263.0835 ppm
Concentration RSD	5.7 %	0.5 %	0.2 %	3.7 %	0.8 %	0.7 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0176 ppm	0.0919 ppm	0.3438 ppm	1.6964 ppm	517.8911 [SIC 500]	7.9320 ppm	0.1014 ppm
Concentration per Run	0.0179 ppm	0.0922 ppm	0.3454 ppm	1.6891 ppm	519.2960 ppm	7.9579 ppm	0.1038 ppm
Concentration per Run	0.0176 ppm	0.0913 ppm	0.3423 ppm	1.6966 ppm	519.8739 ppm	7.9504 ppm	0.1008 ppm
Concentration per Run	0.0175 ppm	0.0921 ppm	0.3437 ppm	1.7035 ppm	514.5034 ppm	7.8878 ppm	0.0996 ppm
Concentration RSD	1.3 %	0.6 %	0.5 %	0.4 %	0.6 %	0.5 %	2.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	56.3882 ppm	4.3272 ppm	0.0159 ppm	4.3527 ppm	0.3327 ppm	13.8064 ppm	0.0214 ppm
Concentration per Run	56.7320 ppm	4.3366 ppm	0.0161 ppm	4.3739 ppm	0.3339 ppm	13.8574 ppm	0.0215 ppm
Concentration per Run	56.1634 ppm	4.3422 ppm	0.0159 ppm	4.3463 ppm	0.3316 ppm	13.7701 ppm	0.0202 ppm
Concentration per Run	56.2693 ppm	4.3029 ppm	0.0157 ppm	4.3380 ppm	0.3326 ppm	13.7919 ppm	0.0225 ppm
Concentration RSD	0.5 %	0.5 %	1.2 %	0.4 %	0.4 %	0.3 %	5.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0227 ppm	3.0383 ppm	0.1767 ppm	0.9319 ppm	1.9250 ppm	0.0019 ppm	0.2777 ppm
Concentration per Run	0.0242 ppm	3.0418 ppm	0.1783 ppm	0.9417 ppm	1.9352 ppm	0.0026 ppm	0.2780 ppm
Concentration per Run	0.0223 ppm	3.0199 ppm	0.1739 ppm	0.9288 ppm	1.9211 ppm	0.0032 ppm	0.2772 ppm
Concentration per Run	0.0215 ppm	3.0533 ppm	0.1779 ppm	0.9252 ppm	1.9186 ppm	0.0000 ppm	0.2779 ppm
Concentration RSD	6.0 %	0.6 %	1.4 %	0.9 %	0.5 %	89.1 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	7.3127 ppm	98.1181 %	101.4020 %	81.4934 %	112.2489 %	116.7167 %	110.0179 %
Concentration per Run	7.3892 ppm	97.7770 %	101.3193 %	81.2003 %	111.8435 %	117.1701 %	109.7373 %
Concentration per Run	7.2593 ppm	98.3746 %	100.6938 %	81.6446 %	112.3210 %	116.1974 %	110.1225 %
Concentration per Run	7.2896 ppm	98.2026 %	102.1931 %	81.6352 %	112.5823 %	116.7827 %	110.1939 %
Concentration RSD	0.9 %	0.3 %	0.7 %	0.3 %	0.3 %	0.4 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
 Analysis started at: 9/18/2025 8:40:57 AM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4999 ppm	0.4945 ppm	0.4846 ppm	0.5028 ppm	0.5073 ppm	0.5206 ppm	0.5400 ppm
Concentration per Run	0.4983 ppm	0.4973 ppm	0.4875 ppm	0.5013 ppm	0.5077 ppm	0.5218 ppm	0.5420 ppm
Concentration per Run	0.4993 ppm	0.4943 ppm	0.4842 ppm	0.5019 ppm	0.5048 ppm	0.5182 ppm	0.5369 ppm
Concentration per Run	0.5021 ppm	0.4919 ppm	0.4821 ppm	0.5053 ppm	0.5095 ppm	0.5217 ppm	0.5410 ppm
Recovery Percentage	99.973 %	98.897 %	96.924 %	100.570 %	101.457 %	104.116 %	107.996 %
Concentration RSD	0.4 %	0.5 %	0.6 %	0.4 %	0.5 %	0.4 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5209 ppm	0.5238 ppm	0.5159 ppm	0.5194 ppm	0.5558 ppm	5.1835 ppm	0.5375 ppm
Concentration per Run	0.5206 ppm	0.5244 ppm	0.5162 ppm	0.5177 ppm	0.5594 ppm	5.1954 ppm	0.5411 ppm
Concentration per Run	0.5191 ppm	0.5236 ppm	0.5133 ppm	0.5197 ppm	0.5534 ppm	5.1626 ppm	0.5327 ppm
Concentration per Run	0.5230 ppm	0.5235 ppm	0.5183 ppm	0.5207 ppm	0.5545 ppm	5.1925 ppm	0.5388 ppm
Recovery Percentage	104.185 %	104.765 %	103.186 %	103.875 %	111.152 %	103.670 %	107.502 %
Concentration RSD	0.4 %	0.1 %	0.5 %	0.3 %	0.6 %	0.4 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5205 ppm	0.5213 ppm	0.5111 ppm	10.4344 ppm	0.5274 ppm	0.5003 ppm	0.5261 ppm
Concentration per Run	0.5192 ppm	0.5221 ppm	0.5091 ppm	10.4220 ppm	0.5275 ppm	0.5002 ppm	0.5245 ppm
Concentration per Run	0.5193 ppm	0.5182 ppm	0.5096 ppm	10.4071 ppm	0.5244 ppm	0.4994 ppm	0.5216 ppm
Concentration per Run	0.5231 ppm	0.5237 ppm	0.5146 ppm	10.4741 ppm	0.5305 ppm	0.5013 ppm	0.5323 ppm
Recovery Percentage	104.104 %	104.265 %	102.220 %	104.344 %	105.488 %	100.056 %	105.228 %
Concentration RSD	0.4 %	0.5 %	0.6 %	0.3 %	0.6 %	0.2 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4893 ppm	5.5770 ppm	0.5233 ppm	0.5259 ppm	0.5183 ppm	0.5101 ppm	0.5192 ppm
Concentration per Run	0.4877 ppm	5.5540 ppm	0.5247 ppm	0.5249 ppm	0.5178 ppm	0.5094 ppm	0.5182 ppm
Concentration per Run	0.4888 ppm	5.5567 ppm	0.5180 ppm	0.5258 ppm	0.5187 ppm	0.5100 ppm	0.5191 ppm
Concentration per Run	0.4914 ppm	5.6202 ppm	0.5273 ppm	0.5269 ppm	0.5185 ppm	0.5108 ppm	0.5203 ppm
Recovery Percentage	97.856 %	106.229 %	104.668 %	105.174 %	103.665 %	102.012 %	103.841 %
Concentration RSD	0.4 %	0.7 %	0.9 %	0.2 %	0.1 %	0.1 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5202 ppm	105.0305 %	102.1059 %	101.0894 %	104.8660 %	102.5415 %	102.9862 %
Concentration per Run	0.5229 ppm	105.5575 %	102.0289 %	100.8486 %	105.5791 %	102.6567 %	102.6800 %
Concentration per Run	0.5153 ppm	105.1111 %	102.6604 %	101.4385 %	104.6225 %	102.3508 %	103.3446 %
Concentration per Run	0.5223 ppm	104.4230 %	101.6285 %	100.9811 %	104.3964 %	102.6171 %	102.9339 %
Recovery Percentage	104.037 %						
Concentration RSD	0.8 %	0.5 %	0.5 %	0.3 %	0.6 %	0.2 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 8:44:22 AM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0017 ppm	0.0016 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0110 ppm
Concentration per Run	-0.0001 ppm	-0.0042 ppm	0.0018 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm	0.0096 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0009 ppm	0.0012 ppm	0.0000 ppm	0.0001 ppm	0.0118 ppm
Concentration per Run	0.0002 ppm	-0.0013 ppm	0.0022 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0117 ppm
Recovery Percentage	1.096 %	-1.732 %	32.560 %	2.235 %	1.266 %	1.308 %	11.019 %
Concentration RSD	252.4 %	132.1 %	38.3 %	69.9 %	62.6 %	12.1 %	11.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm	0.0151 ppm	0.0025 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0000 ppm	-0.0003 ppm	0.0147 ppm	0.0010 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0003 ppm	-0.0004 ppm	0.0164 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0002 ppm	-0.0004 ppm	0.0143 ppm	0.0055 ppm	0.0004 ppm
Recovery Percentage	1.061 %	-0.136 %	0.215 %	-3.557 %	30.238 %	0.100 %	3.966 %
Concentration RSD	88.2 %	2,909.8 %	1,153.3 %	17.8 %	7.2 %	103.2 %	32.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0010 ppm	0.0001 ppm	0.0038 ppm	-0.0010 ppm	-0.0004 ppm	0.0004 ppm	0.0011 ppm
Concentration per Run	0.0011 ppm	0.0001 ppm	0.0035 ppm	-0.0031 ppm	0.0002 ppm	0.0003 ppm	0.0037 ppm
Concentration per Run	0.0020 ppm	0.0001 ppm	0.0039 ppm	-0.0017 ppm	-0.0006 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0040 ppm	0.0018 ppm	-0.0007 ppm	0.0006 ppm	-0.0004 ppm
Recovery Percentage	1.048 %	1.314 %	7.587 %	-0.051 %	-1.407 %	3.784 %	2.123 %
Concentration RSD	94.9 %	16.1 %	7.3 %	246.6 %	137.6 %	48.1 %	215.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0027 ppm	0.0071 ppm	0.0012 ppm	0.0001 ppm	0.0009 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run	0.0017 ppm	0.0074 ppm	0.0017 ppm	0.0001 ppm	0.0008 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	0.0034 ppm	0.0072 ppm	0.0013 ppm	0.0001 ppm	0.0010 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run	0.0031 ppm	0.0065 ppm	0.0006 ppm	0.0001 ppm	0.0008 ppm	0.0008 ppm	0.0002 ppm
Recovery Percentage	27.312 %	1.412 %	2.431 %	0.971 %	8.714 %	2.821 %	1.440 %
Concentration RSD	32.3 %	6.9 %	44.6 %	8.3 %	16.3 %	40.0 %	56.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	104.4047 %	98.6601 %	102.0965 %	105.7919 %	100.8388 %	103.4171 %
Concentration per Run	0.0004 ppm	104.7753 %	97.4355 %	101.8580 %	106.6154 %	100.1292 %	103.1044 %
Concentration per Run	0.0003 ppm	104.0945 %	99.5170 %	102.6372 %	105.2217 %	101.3584 %	103.7507 %
Concentration per Run	0.0005 ppm	104.3441 %	99.0277 %	101.7944 %	105.5386 %	101.0287 %	103.3962 %
Recovery Percentage	8.306 %						
Concentration RSD	20.7 %	0.3 %	1.1 %	0.5 %	0.7 %	0.6 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
 Analysis started at: 9/18/2025 8:51:45 AM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5012 ppm	0.4897 ppm	0.4878 ppm	0.5022 ppm	0.5063 ppm	0.5222 ppm	0.5326 ppm
Concentration per Run	0.5009 ppm	0.4916 ppm	0.4879 ppm	0.5050 ppm	0.5079 ppm	0.5223 ppm	0.5330 ppm
Concentration per Run	0.5025 ppm	0.4878 ppm	0.4883 ppm	0.5005 ppm	0.5066 ppm	0.5202 ppm	0.5301 ppm
Concentration per Run	0.5002 ppm	0.4895 ppm	0.4873 ppm	0.5010 ppm	0.5043 ppm	0.5241 ppm	0.5348 ppm
Recovery Percentage	100.239 %	97.933 %	97.562 %	100.431 %	101.250 %	104.443 %	106.522 %
Concentration RSD	0.2 %	0.4 %	0.1 %	0.5 %	0.4 %	0.4 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5215 ppm	0.5244 ppm	0.5162 ppm	0.5183 ppm	0.5197 ppm	5.2073 ppm	0.5371 ppm
Concentration per Run	0.5238 ppm	0.5257 ppm	0.5181 ppm	0.5188 ppm	0.5188 ppm	5.2251 ppm	0.5375 ppm
Concentration per Run	0.5215 ppm	0.5245 ppm	0.5151 ppm	0.5181 ppm	0.5208 ppm	5.1984 ppm	0.5351 ppm
Concentration per Run	0.5193 ppm	0.5229 ppm	0.5154 ppm	0.5179 ppm	0.5196 ppm	5.1983 ppm	0.5386 ppm
Recovery Percentage	104.307 %	104.877 %	103.236 %	103.657 %	103.947 %	104.145 %	107.419 %
Concentration RSD	0.4 %	0.3 %	0.3 %	0.1 %	0.2 %	0.3 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5211 ppm	0.5233 ppm	0.5123 ppm	10.4607 ppm	0.5300 ppm	0.5022 ppm	0.5269 ppm
Concentration per Run	0.5218 ppm	0.5237 ppm	0.5139 ppm	10.4762 ppm	0.5309 ppm	0.5013 ppm	0.5317 ppm
Concentration per Run	0.5208 ppm	0.5218 ppm	0.5103 ppm	10.3871 ppm	0.5280 ppm	0.5054 ppm	0.5262 ppm
Concentration per Run	0.5207 ppm	0.5245 ppm	0.5127 ppm	10.5187 ppm	0.5309 ppm	0.4998 ppm	0.5227 ppm
Recovery Percentage	104.216 %	104.666 %	102.452 %	104.607 %	105.991 %	100.431 %	105.376 %
Concentration RSD	0.1 %	0.3 %	0.4 %	0.6 %	0.3 %	0.6 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4906 ppm	5.5436 ppm	0.5207 ppm	0.5241 ppm	0.5149 ppm	0.5138 ppm	0.5198 ppm
Concentration per Run	0.4885 ppm	5.5516 ppm	0.5203 ppm	0.5254 ppm	0.5167 ppm	0.5109 ppm	0.5209 ppm
Concentration per Run	0.4912 ppm	5.5412 ppm	0.5186 ppm	0.5240 ppm	0.5123 ppm	0.5161 ppm	0.5200 ppm
Concentration per Run	0.4921 ppm	5.5379 ppm	0.5233 ppm	0.5228 ppm	0.5156 ppm	0.5145 ppm	0.5184 ppm
Recovery Percentage	98.122 %	105.592 %	104.142 %	104.815 %	102.971 %	102.769 %	103.950 %
Concentration RSD	0.4 %	0.1 %	0.5 %	0.2 %	0.4 %	0.5 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5201 ppm	104.8890 %	101.3259 %	101.6278 %	104.5150 %	101.9566 %	103.5827 %
Concentration per Run	0.5234 ppm	105.0634 %	101.2952 %	101.9115 %	104.9713 %	102.3352 %	103.8728 %
Concentration per Run	0.5171 ppm	104.8784 %	100.9703 %	101.2589 %	104.4617 %	100.6878 %	103.3037 %
Concentration per Run	0.5199 ppm	104.7254 %	101.7122 %	101.7129 %	104.1118 %	102.8470 %	103.5716 %
Recovery Percentage	104.027 %						
Concentration RSD	0.6 %	0.2 %	0.4 %	0.3 %	0.4 %	1.1 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 8:55:16 AM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0064 ppm	0.0010 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0059 ppm
Concentration per Run	0.0003 ppm	-0.0050 ppm	0.0011 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0071 ppm
Concentration per Run	0.0001 ppm	-0.0099 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0047 ppm
Concentration per Run	0.0002 ppm	-0.0045 ppm	0.0017 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0060 ppm
Recovery Percentage	4.065 %	-6.439 %	20.213 %	2.618 %	0.649 %	0.708 %	5.932 %
Concentration RSD	53.3 %	46.1 %	71.2 %	48.0 %	80.7 %	62.4 %	20.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0058 ppm	0.0097 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0002 ppm	-0.0003 ppm	0.0060 ppm	0.0081 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0005 ppm	0.0053 ppm	0.0250 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0061 ppm	-0.0039 ppm	0.0000 ppm
Recovery Percentage	2.353 %	1.428 %	1.518 %	-3.442 %	11.666 %	0.390 %	2.038 %
Concentration RSD	24.2 %	204.6 %	77.0 %	33.7 %	7.3 %	148.7 %	223.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0004 ppm	0.0002 ppm	0.0041 ppm	-0.0005 ppm	-0.0003 ppm	-0.0002 ppm	0.0004 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	0.0041 ppm	-0.0008 ppm	0.0001 ppm	-0.0001 ppm	-0.0016 ppm
Concentration per Run	-0.0006 ppm	0.0003 ppm	0.0039 ppm	-0.0017 ppm	-0.0002 ppm	-0.0004 ppm	0.0022 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	0.0041 ppm	0.0011 ppm	-0.0007 ppm	-0.0002 ppm	0.0006 ppm
Recovery Percentage	-0.400 %	1.737 %	8.116 %	-0.025 %	-1.190 %	-2.221 %	0.818 %
Concentration RSD	39.8 %	45.5 %	2.7 %	285.2 %	132.5 %	81.8 %	465.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0023 ppm	0.0015 ppm	0.0012 ppm	0.0001 ppm	0.0007 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run	0.0048 ppm	0.0018 ppm	0.0005 ppm	0.0001 ppm	0.0007 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0003 ppm	0.0009 ppm	0.0018 ppm	0.0001 ppm	0.0007 ppm	0.0015 ppm	0.0000 ppm
Concentration per Run	0.0017 ppm	0.0018 ppm	0.0014 ppm	0.0000 ppm	0.0007 ppm	0.0014 ppm	0.0000 ppm
Recovery Percentage	22.897 %	0.298 %	2.424 %	0.655 %	7.310 %	6.334 %	-0.070 %
Concentration RSD	99.4 %	34.1 %	53.2 %	61.4 %	1.7 %	25.1 %	387.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	104.1226 %	99.0767 %	101.5506 %	105.3792 %	101.3540 %	102.7316 %
Concentration per Run	0.0004 ppm	104.4084 %	98.9008 %	101.3943 %	105.4379 %	102.4482 %	102.5044 %
Concentration per Run	0.0002 ppm	104.0665 %	99.0953 %	101.2144 %	105.6441 %	100.8742 %	102.7002 %
Concentration per Run	0.0002 ppm	103.8929 %	99.2340 %	102.0431 %	105.0556 %	100.7395 %	102.9903 %
Recovery Percentage	5.210 %						
Concentration RSD	42.9 %	0.3 %	0.2 %	0.4 %	0.3 %	0.9 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-29d2 WG2115354
 Analysis started at: 9/18/2025 8:58:41 AM
 Rack: 1
 Vial: 11
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0056 ppm	55.8981 ppm	0.1479 ppm	0.0439 ppm	4.3155 ppm	0.0037 ppm	672.4007 ppm
Concentration per Run	0.0056 ppm	56.1489 ppm	0.1477 ppm	0.0444 ppm	4.3593 ppm	0.0037 ppm	674.4953 ppm
Concentration per Run	0.0058 ppm	55.8346 ppm	0.1478 ppm	0.0433 ppm	4.2935 ppm	0.0037 ppm	672.4068 ppm
Concentration per Run	0.0056 ppm	55.7108 ppm	0.1482 ppm	0.0440 ppm	4.2936 ppm	0.0037 ppm	670.3001 ppm
Concentration RSD	2.0 %	0.4 %	0.2 %	1.2 %	0.9 %	0.5 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0158 ppm	0.0710 ppm	0.3662 ppm	2.7750 ppm	199.5782 ppm	8.7317 ppm	0.0798 ppm
Concentration per Run	0.0159 ppm	0.0704 ppm	0.3665 ppm	2.7728 ppm	200.8834 ppm	8.8166 ppm	0.0813 ppm
Concentration per Run	0.0157 ppm	0.0705 ppm	0.3643 ppm	2.7718 ppm	199.0389 ppm	8.7020 ppm	0.0804 ppm
Concentration per Run	0.0159 ppm	0.0720 ppm	0.3678 ppm	2.7804 ppm	198.8123 ppm	8.6764 ppm	0.0775 ppm
Concentration RSD	0.9 %	1.3 %	0.5 %	0.2 %	0.6 %	0.9 %	2.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	50.7019 ppm	3.8448 ppm	0.0151 ppm	3.3347 ppm	0.4151 ppm	9.2136 ppm	0.0485 ppm
Concentration per Run	50.6414 ppm	3.8692 ppm	0.0150 ppm	3.3516 ppm	0.4147 ppm	9.2125 ppm	0.0488 ppm
Concentration per Run	50.3128 ppm	3.8415 ppm	0.0156 ppm	3.3373 ppm	0.4118 ppm	9.2020 ppm	0.0497 ppm
Concentration per Run	51.1514 ppm	3.8236 ppm	0.0148 ppm	3.3154 ppm	0.4188 ppm	9.2262 ppm	0.0470 ppm
Concentration RSD	0.8 %	0.6 %	2.8 %	0.5 %	0.9 %	0.1 %	2.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0064 ppm	4.3632 ppm	0.2718 ppm	1.5507 ppm	2.2750 ppm	0.0014 ppm	0.6535 ppm
Concentration per Run	0.0075 ppm	4.3786 ppm	0.2728 ppm	1.5658 ppm	2.2843 ppm	0.0013 ppm	0.6532 ppm
Concentration per Run	0.0040 ppm	4.3474 ppm	0.2691 ppm	1.5493 ppm	2.2644 ppm	0.0027 ppm	0.6517 ppm
Concentration per Run	0.0077 ppm	4.3637 ppm	0.2737 ppm	1.5370 ppm	2.2762 ppm	0.0001 ppm	0.6557 ppm
Concentration RSD	32.7 %	0.4 %	0.9 %	0.9 %	0.4 %	93.6 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	8.1109 ppm	95.5345 %	99.3110 %	81.8211 %	110.6337 %	116.0751 %	110.0296 %
Concentration per Run	8.1455 ppm	96.0521 %	99.0084 %	82.0705 %	111.0642 %	116.1174 %	110.2116 %
Concentration per Run	7.9980 ppm	95.9125 %	99.6912 %	81.4228 %	111.1381 %	117.1394 %	109.6283 %
Concentration per Run	8.1894 ppm	94.6388 %	99.2333 %	81.9698 %	109.6987 %	114.9684 %	110.2489 %
Concentration RSD	1.2 %	0.8 %	0.4 %	0.4 %	0.7 %	0.9 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-30d2 WG2115354
 Analysis started at: 9/18/2025 9:02:08 AM
 Rack: 1
 Vial: 12
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0018 ppm	61.1717 ppm	0.0465 ppm	0.0285 ppm	3.4423 ppm	0.0048 ppm	77.8843 ppm
Concentration per Run	0.0019 ppm	60.8450 ppm	0.0472 ppm	0.0272 ppm	3.3892 ppm	0.0050 ppm	78.4398 ppm
Concentration per Run	0.0018 ppm	61.6404 ppm	0.0463 ppm	0.0296 ppm	3.4667 ppm	0.0048 ppm	78.2654 ppm
Concentration per Run	0.0017 ppm	61.0297 ppm	0.0459 ppm	0.0287 ppm	3.4709 ppm	0.0047 ppm	76.9477 ppm
Concentration RSD	4.4 %	0.7 %	1.4 %	4.2 %	1.3 %	2.3 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0040 ppm	0.0790 ppm	0.1891 ppm	0.5656 ppm	137.3774 ppm	11.6627 ppm	0.0903 ppm
Concentration per Run	0.0041 ppm	0.0801 ppm	0.1894 ppm	0.5659 ppm	136.9333 ppm	11.5150 ppm	0.0918 ppm
Concentration per Run	0.0039 ppm	0.0781 ppm	0.1888 ppm	0.5656 ppm	138.5381 ppm	11.7651 ppm	0.0900 ppm
Concentration per Run	0.0040 ppm	0.0789 ppm	0.1891 ppm	0.5655 ppm	136.6608 ppm	11.7081 ppm	0.0890 ppm
Concentration RSD	2.5 %	1.3 %	0.2 %	0.0 %	0.7 %	1.1 %	1.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	33.7656 ppm	4.0153 ppm	0.0040 ppm	2.5541 ppm	0.4870 ppm	5.1206 ppm	0.0036 ppm
Concentration per Run	33.9215 ppm	4.0092 ppm	0.0040 ppm	2.5575 ppm	0.4875 ppm	5.1160 ppm	0.0043 ppm
Concentration per Run	33.5523 ppm	4.0456 ppm	0.0039 ppm	2.5619 ppm	0.4857 ppm	5.1284 ppm	0.0044 ppm
Concentration per Run	33.8228 ppm	3.9912 ppm	0.0041 ppm	2.5428 ppm	0.4879 ppm	5.1173 ppm	0.0020 ppm
Concentration RSD	0.6 %	0.7 %	2.1 %	0.4 %	0.2 %	0.1 %	39.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0015 ppm	2.4776 ppm	0.0406 ppm	0.3023 ppm	2.8552 ppm	0.0007 ppm	0.2646 ppm
Concentration per Run	0.0018 ppm	2.4813 ppm	0.0407 ppm	0.3019 ppm	2.8549 ppm	0.0007 ppm	0.2655 ppm
Concentration per Run	0.0019 ppm	2.4827 ppm	0.0397 ppm	0.3016 ppm	2.8540 ppm	0.0019 ppm	0.2634 ppm
Concentration per Run	0.0008 ppm	2.4688 ppm	0.0414 ppm	0.3033 ppm	2.8567 ppm	-0.0004 ppm	0.2649 ppm
Concentration RSD	39.3 %	0.3 %	2.1 %	0.3 %	0.0 %	156.7 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	2.6241 ppm	106.0087 %	105.0399 %	93.1959 %	127.0515 %	129.6611 %	127.0047 %
Concentration per Run	2.6295 ppm	106.0237 %	104.6824 %	93.4468 %	127.4441 %	132.4791 %	127.3743 %
Concentration per Run	2.5997 ppm	106.1024 %	104.3484 %	92.9480 %	127.1064 %	127.9439 %	126.7504 %
Concentration per Run	2.6430 ppm	105.8999 %	106.0890 %	93.1930 %	126.6040 %	128.5602 %	126.8895 %
Concentration RSD	0.8 %	0.1 %	0.9 %	0.3 %	0.3 %	1.9 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: eL2557399-31d2 WG2115354
 Analysis started at: 9/18/2025 9:05:36 AM
 Rack: 1
 Vial: 13
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0007 ppm	13.7552 ppm	0.0350 ppm	0.0413 ppm	0.2388 ppm	0.0020 ppm	1,916.8071 [SIC 1000]
Concentration per Run	-0.0006 ppm	13.7623 ppm	0.0330 ppm	0.0420 ppm	0.2375 ppm	0.0020 ppm	1,916.4455 ppm
Concentration per Run	-0.0005 ppm	13.7314 ppm	0.0382 ppm	0.0399 ppm	0.2390 ppm	0.0020 ppm	1,912.5451 ppm
Concentration per Run	-0.0010 ppm	13.7720 ppm	0.0338 ppm	0.0418 ppm	0.2399 ppm	0.0020 ppm	1,921.4306 ppm
Concentration RSD	36.4 %	0.2 %	8.0 %	2.8 %	0.5 %	0.4 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0233 ppm	0.0221 ppm	0.0429 ppm	0.1400 ppm	49.1603 ppm	3.0252 ppm	0.0702 ppm
Concentration per Run	-0.0231 ppm	0.0220 ppm	0.0431 ppm	0.1400 ppm	49.1612 ppm	3.0441 ppm	0.0796 ppm
Concentration per Run	-0.0235 ppm	0.0223 ppm	0.0428 ppm	0.1399 ppm	48.9882 ppm	3.0154 ppm	0.0673 ppm
Concentration per Run	-0.0233 ppm	0.0219 ppm	0.0427 ppm	0.1400 ppm	49.3314 ppm	3.0162 ppm	0.0638 ppm
Concentration RSD	0.9 %	1.0 %	0.5 %	0.0 %	0.3 %	0.5 %	11.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1,079.8050 [SIC 1000]	1.2829 ppm	0.0014 ppm	1.8722 ppm	0.0535 ppm	0.0770 ppm	-0.0013 ppm
Concentration per Run	1,087.3772 ppm	1.2861 ppm	0.0011 ppm	1.8750 ppm	0.0525 ppm	0.0774 ppm	-0.0012 ppm
Concentration per Run	1,074.5582 ppm	1.2813 ppm	0.0014 ppm	1.8680 ppm	0.0539 ppm	0.0769 ppm	-0.0016 ppm
Concentration per Run	1,077.4797 ppm	1.2813 ppm	0.0017 ppm	1.8736 ppm	0.0540 ppm	0.0768 ppm	-0.0012 ppm
Concentration RSD	0.6 %	0.2 %	21.4 %	0.2 %	1.5 %	0.4 %	18.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0000 ppm	1.9606 ppm	0.0043 ppm	1.4057 ppm	0.1454 ppm	-0.0007 ppm	0.0677 ppm
Concentration per Run	0.0013 ppm	1.9606 ppm	0.0046 ppm	1.4069 ppm	0.1451 ppm	-0.0012 ppm	0.0674 ppm
Concentration per Run	0.0018 ppm	1.9600 ppm	0.0036 ppm	1.4005 ppm	0.1471 ppm	-0.0011 ppm	0.0679 ppm
Concentration per Run	-0.0030 ppm	1.9611 ppm	0.0047 ppm	1.4096 ppm	0.1441 ppm	0.0002 ppm	0.0677 ppm
Concentration RSD	7,555.9 %	0.0 %	15.2 %	0.3 %	1.1 %	109.9 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1846 ppm	80.2336 %	87.4671 %	67.4771 %	92.2463 %	101.5334 %	89.3504 %
Concentration per Run	0.1847 ppm	80.1633 %	87.1379 %	67.2545 %	92.3351 %	101.9396 %	88.9728 %
Concentration per Run	0.1852 ppm	80.2751 %	88.1307 %	67.5005 %	92.4726 %	101.4997 %	89.3919 %
Concentration per Run	0.1840 ppm	80.2626 %	87.1328 %	67.6765 %	91.9311 %	101.1611 %	89.6863 %
Concentration RSD	0.3 %	0.1 %	0.7 %	0.3 %	0.3 %	0.4 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-32d2 WG2115354
 Analysis started at: 9/18/2025 9:08:59 AM
 Rack: 1
 Vial: 14
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0048 ppm	27.3027 ppm	0.1323 ppm	0.0326 ppm	5.2787 ppm	0.0019 ppm	281.6611 ppm
Concentration per Run	0.0049 ppm	27.3947 ppm	0.1335 ppm	0.0339 ppm	5.2830 ppm	0.0019 ppm	283.9802 ppm
Concentration per Run	0.0049 ppm	27.2437 ppm	0.1321 ppm	0.0315 ppm	5.2538 ppm	0.0019 ppm	280.9688 ppm
Concentration per Run	0.0047 ppm	27.2696 ppm	0.1313 ppm	0.0324 ppm	5.2992 ppm	0.0019 ppm	280.0343 ppm
Concentration RSD	2.2 %	0.3 %	0.9 %	3.8 %	0.4 %	1.1 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0134 ppm	0.0496 ppm	0.9787 ppm	2.4876 ppm	263.3476 ppm	3.2528 ppm	0.0500 ppm
Concentration per Run	0.0135 ppm	0.0497 ppm	0.9846 ppm	2.4987 ppm	265.0002 ppm	3.2596 ppm	0.0515 ppm
Concentration per Run	0.0134 ppm	0.0501 ppm	0.9771 ppm	2.4876 ppm	261.8358 ppm	3.2357 ppm	0.0480 ppm
Concentration per Run	0.0135 ppm	0.0490 ppm	0.9745 ppm	2.4765 ppm	263.2068 ppm	3.2631 ppm	0.0504 ppm
Concentration RSD	0.6 %	1.1 %	0.5 %	0.4 %	0.6 %	0.5 %	3.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	96.6162 ppm	2.0804 ppm	0.0295 ppm	2.1415 ppm	0.3332 ppm	12.1623 ppm	0.0207 ppm
Concentration per Run	96.8882 ppm	2.0909 ppm	0.0292 ppm	2.1521 ppm	0.3366 ppm	12.1282 ppm	0.0176 ppm
Concentration per Run	96.5048 ppm	2.0738 ppm	0.0298 ppm	2.1349 ppm	0.3325 ppm	12.2423 ppm	0.0238 ppm
Concentration per Run	96.4554 ppm	2.0765 ppm	0.0294 ppm	2.1374 ppm	0.3303 ppm	12.1163 ppm	0.0207 ppm
Concentration RSD	0.2 %	0.4 %	1.0 %	0.4 %	1.0 %	0.6 %	15.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0055 ppm	4.0759 ppm	0.3596 ppm	0.5135 ppm	0.8799 ppm	0.0005 ppm	0.1414 ppm
Concentration per Run	0.0070 ppm	4.1130 ppm	0.3643 ppm	0.5140 ppm	0.8807 ppm	0.0012 ppm	0.1420 ppm
Concentration per Run	0.0056 ppm	4.0749 ppm	0.3568 ppm	0.5125 ppm	0.8866 ppm	0.0005 ppm	0.1413 ppm
Concentration per Run	0.0039 ppm	4.0400 ppm	0.3576 ppm	0.5139 ppm	0.8724 ppm	-0.0003 ppm	0.1409 ppm
Concentration RSD	27.9 %	0.9 %	1.1 %	0.2 %	0.8 %	168.5 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	7.7191 ppm	96.1827 %	98.7880 %	83.0376 %	102.2017 %	106.0899 %	100.0989 %
Concentration per Run	7.7965 ppm	95.8844 %	97.8533 %	83.2314 %	102.1584 %	105.8315 %	100.2808 %
Concentration per Run	7.7037 ppm	96.4862 %	99.3654 %	82.9299 %	102.4606 %	106.3208 %	100.1128 %
Concentration per Run	7.6571 ppm	96.1774 %	99.1453 %	82.9514 %	101.9862 %	106.1173 %	99.9031 %
Concentration RSD	0.9 %	0.3 %	0.8 %	0.2 %	0.2 %	0.2 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2558008-03d2 WG2115354
 Analysis started at: 9/18/2025 9:12:23 AM
 Rack: 1
 Vial: 15
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	31.7376 ppm	0.0416 ppm	0.0735 ppm	0.7012 ppm	0.0041 ppm	477.0099 ppm
Concentration per Run	0.0008 ppm	31.9345 ppm	0.0424 ppm	0.0734 ppm	0.7092 ppm	0.0041 ppm	478.9996 ppm
Concentration per Run	0.0007 ppm	31.6264 ppm	0.0411 ppm	0.0748 ppm	0.6971 ppm	0.0041 ppm	474.4753 ppm
Concentration per Run	0.0008 ppm	31.6517 ppm	0.0413 ppm	0.0721 ppm	0.6972 ppm	0.0040 ppm	477.5547 ppm
Concentration RSD	3.9 %	0.5 %	1.7 %	1.9 %	1.0 %	1.1 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0009 ppm	0.0122 ppm	0.0919 ppm	0.2686 ppm	84.3583 ppm	3.3759 ppm	0.0417 ppm
Concentration per Run	0.0010 ppm	0.0122 ppm	0.0928 ppm	0.2731 ppm	84.8911 ppm	3.4369 ppm	0.0420 ppm
Concentration per Run	0.0009 ppm	0.0122 ppm	0.0921 ppm	0.2679 ppm	83.9148 ppm	3.3462 ppm	0.0453 ppm
Concentration per Run	0.0008 ppm	0.0120 ppm	0.0907 ppm	0.2649 ppm	84.2692 ppm	3.3447 ppm	0.0378 ppm
Concentration RSD	7.5 %	0.8 %	1.2 %	1.5 %	0.6 %	1.6 %	9.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	48.2307 ppm	4.3666 ppm	0.0083 ppm	2.7851 ppm	0.0498 ppm	2.5177 ppm	0.0090 ppm
Concentration per Run	48.7334 ppm	4.3912 ppm	0.0080 ppm	2.8027 ppm	0.0501 ppm	2.5417 ppm	0.0092 ppm
Concentration per Run	48.4043 ppm	4.3333 ppm	0.0085 ppm	2.7718 ppm	0.0502 ppm	2.5162 ppm	0.0091 ppm
Concentration per Run	47.5543 ppm	4.3753 ppm	0.0082 ppm	2.7807 ppm	0.0493 ppm	2.4953 ppm	0.0088 ppm
Concentration RSD	1.3 %	0.7 %	3.0 %	0.6 %	1.0 %	0.9 %	2.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0103 ppm	11.7485 ppm	0.0272 ppm	0.7005 ppm	0.8785 ppm	-0.0014 ppm	0.0817 ppm
Concentration per Run	0.0114 ppm	11.9640 ppm	0.0277 ppm	0.7047 ppm	0.8884 ppm	-0.0026 ppm	0.0828 ppm
Concentration per Run	0.0109 ppm	11.7210 ppm	0.0268 ppm	0.6990 ppm	0.8794 ppm	-0.0004 ppm	0.0821 ppm
Concentration per Run	0.0084 ppm	11.5605 ppm	0.0271 ppm	0.6978 ppm	0.8679 ppm	-0.0011 ppm	0.0804 ppm
Concentration RSD	15.7 %	1.7 %	1.8 %	0.5 %	1.2 %	84.3 %	1.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	2.3332 ppm	97.8684 %	101.4727 %	86.0278 %	107.7204 %	112.2656 %	106.2407 %
Concentration per Run	2.3617 ppm	97.9336 %	101.8357 %	86.0375 %	108.0317 %	113.0402 %	106.3515 %
Concentration per Run	2.3473 ppm	97.9121 %	102.0275 %	85.9916 %	107.5907 %	112.6376 %	106.2953 %
Concentration per Run	2.2905 ppm	97.7595 %	100.5547 %	86.0544 %	107.5386 %	111.1190 %	106.0752 %
Concentration RSD	1.6 %	0.1 %	0.8 %	0.0 %	0.3 %	0.9 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2558008-05d2 WG2115354
 Analysis started at: 9/18/2025 9:15:46 AM
 Rack: 1
 Vial: 16
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0018 ppm	94.1603 ppm	0.0688 ppm	0.0177 ppm	0.6583 ppm	0.0053 ppm	21.2956 ppm
Concentration per Run	0.0017 ppm	93.4706 ppm	0.0695 ppm	0.0181 ppm	0.6569 ppm	0.0052 ppm	21.1504 ppm
Concentration per Run	0.0020 ppm	94.4426 ppm	0.0704 ppm	0.0172 ppm	0.6580 ppm	0.0053 ppm	21.3748 ppm
Concentration per Run	0.0018 ppm	94.5676 ppm	0.0665 ppm	0.0177 ppm	0.6600 ppm	0.0052 ppm	21.3616 ppm
Concentration RSD	6.1 %	0.6 %	3.0 %	2.5 %	0.2 %	0.7 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0022 ppm	0.1989 ppm	0.1558 ppm	0.3041 ppm	231.6725 ppm	5.7667 ppm	0.2148 ppm
Concentration per Run	0.0022 ppm	0.1993 ppm	0.1563 ppm	0.3059 ppm	230.6804 ppm	5.7502 ppm	0.2175 ppm
Concentration per Run	0.0023 ppm	0.1993 ppm	0.1563 ppm	0.3045 ppm	232.7654 ppm	5.7802 ppm	0.2153 ppm
Concentration per Run	0.0022 ppm	0.1979 ppm	0.1549 ppm	0.3018 ppm	231.5717 ppm	5.7698 ppm	0.2115 ppm
Concentration RSD	0.9 %	0.4 %	0.5 %	0.7 %	0.5 %	0.3 %	1.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	38.0561 ppm	2.7929 ppm	0.0152 ppm	0.5606 ppm	0.3068 ppm	0.2069 ppm	0.0026 ppm
Concentration per Run	38.2917 ppm	2.7758 ppm	0.0152 ppm	0.5569 ppm	0.3082 ppm	0.2072 ppm	0.0023 ppm
Concentration per Run	37.9879 ppm	2.8016 ppm	0.0151 ppm	0.5620 ppm	0.3063 ppm	0.2073 ppm	0.0037 ppm
Concentration per Run	37.8888 ppm	2.8012 ppm	0.0154 ppm	0.5628 ppm	0.3059 ppm	0.2060 ppm	0.0019 ppm
Concentration RSD	0.6 %	0.5 %	0.9 %	0.6 %	0.4 %	0.3 %	37.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0014 ppm	2.1824 ppm	0.0265 ppm	0.1476 ppm	0.3601 ppm	0.0006 ppm	0.1800 ppm
Concentration per Run	-0.0008 ppm	2.1955 ppm	0.0264 ppm	0.1472 ppm	0.3614 ppm	0.0005 ppm	0.1809 ppm
Concentration per Run	0.0025 ppm	2.1906 ppm	0.0270 ppm	0.1484 ppm	0.3598 ppm	0.0014 ppm	0.1793 ppm
Concentration per Run	0.0026 ppm	2.1611 ppm	0.0260 ppm	0.1471 ppm	0.3592 ppm	0.0000 ppm	0.1797 ppm
Concentration RSD	132.8 %	0.9 %	1.9 %	0.5 %	0.3 %	114.9 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8389 ppm	105.8938 %	106.7117 %	95.2609 %	139.6187 %	140.2966 %	138.6480 %
Concentration per Run	0.8442 ppm	106.3071 %	106.8422 %	94.8285 %	140.5714 %	139.6082 %	138.4713 %
Concentration per Run	0.8365 ppm	105.9260 %	106.8335 %	95.3160 %	139.4926 %	141.5379 %	138.9156 %
Concentration per Run	0.8359 ppm	105.4483 %	106.4593 %	95.6383 %	138.7920 %	139.7438 %	138.5571 %
Concentration RSD	0.6 %	0.4 %	0.2 %	0.4 %	0.6 %	0.8 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2558008-06d2 WG2115354
 Analysis started at: 9/18/2025 9:19:11 AM
 Rack: 1
 Vial: 17
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0022 ppm	104.8150 ppm	0.0467 ppm	0.0221 ppm	1.2263 ppm	0.0058 ppm	65.0525 ppm
Concentration per Run	0.0020 ppm	104.8893 ppm	0.0472 ppm	0.0237 ppm	1.2267 ppm	0.0058 ppm	64.7533 ppm
Concentration per Run	0.0023 ppm	104.8817 ppm	0.0459 ppm	0.0226 ppm	1.2254 ppm	0.0058 ppm	65.2376 ppm
Concentration per Run	0.0025 ppm	104.6741 ppm	0.0471 ppm	0.0201 ppm	1.2269 ppm	0.0058 ppm	65.1665 ppm
Concentration RSD	10.8 %	0.1 %	1.6 %	8.3 %	0.1 %	0.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0045 ppm	0.1054 ppm	0.1795 ppm	0.3529 ppm	225.7789 ppm	6.9643 ppm	0.2349 ppm
Concentration per Run	0.0045 ppm	0.1065 ppm	0.1812 ppm	0.3561 ppm	224.9021 ppm	6.9838 ppm	0.2387 ppm
Concentration per Run	0.0046 ppm	0.1058 ppm	0.1802 ppm	0.3531 ppm	225.7893 ppm	6.9454 ppm	0.2317 ppm
Concentration per Run	0.0045 ppm	0.1039 ppm	0.1770 ppm	0.3495 ppm	226.6453 ppm	6.9636 ppm	0.2343 ppm
Concentration RSD	0.6 %	1.3 %	1.2 %	0.9 %	0.4 %	0.3 %	1.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	52.6701 ppm	2.9603 ppm	0.0136 ppm	0.7305 ppm	0.3316 ppm	0.4406 ppm	0.0020 ppm
Concentration per Run	53.1268 ppm	2.9588 ppm	0.0134 ppm	0.7309 ppm	0.3351 ppm	0.4457 ppm	0.0026 ppm
Concentration per Run	52.8124 ppm	2.9695 ppm	0.0136 ppm	0.7288 ppm	0.3326 ppm	0.4383 ppm	0.0013 ppm
Concentration per Run	52.0711 ppm	2.9525 ppm	0.0137 ppm	0.7319 ppm	0.3271 ppm	0.4380 ppm	0.0023 ppm
Concentration RSD	1.0 %	0.3 %	1.0 %	0.2 %	1.2 %	1.0 %	33.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0003 ppm	2.1759 ppm	0.0397 ppm	0.2260 ppm	0.3386 ppm	0.0021 ppm	0.1949 ppm
Concentration per Run	-0.0019 ppm	2.2161 ppm	0.0395 ppm	0.2277 ppm	0.3430 ppm	0.0019 ppm	0.1969 ppm
Concentration per Run	-0.0002 ppm	2.1646 ppm	0.0401 ppm	0.2258 ppm	0.3376 ppm	0.0022 ppm	0.1950 ppm
Concentration per Run	0.0011 ppm	2.1470 ppm	0.0395 ppm	0.2246 ppm	0.3353 ppm	0.0021 ppm	0.1928 ppm
Concentration RSD	455.1 %	1.7 %	0.9 %	0.7 %	1.2 %	6.7 %	1.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2553 ppm	105.0479 %	105.4343 %	93.3375 %	137.3584 %	137.3230 %	135.4120 %
Concentration per Run	1.2627 ppm	105.7751 %	105.9544 %	92.7965 %	138.5866 %	137.6766 %	135.4802 %
Concentration per Run	1.2674 ppm	104.5761 %	105.0530 %	93.6778 %	136.9099 %	136.9692 %	135.3035 %
Concentration per Run	1.2356 ppm	104.7924 %	105.2956 %	93.5381 %	136.5786 %	137.3231 %	135.4523 %
Concentration RSD	1.4 %	0.6 %	0.4 %	0.5 %	0.8 %	0.3 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2558008-07d2 WG2115354
 Analysis started at: 9/18/2025 9:22:35 AM
 Rack: 1
 Vial: 18
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0033 ppm	75.8723 ppm	0.0690 ppm	0.0521 ppm	1.5122 ppm	0.0049 ppm	403.9663 ppm
Concentration per Run	0.0029 ppm	75.4078 ppm	0.0702 ppm	0.0532 ppm	1.5182 ppm	0.0049 ppm	404.0562 ppm
Concentration per Run	0.0037 ppm	76.1438 ppm	0.0670 ppm	0.0497 ppm	1.5216 ppm	0.0049 ppm	403.8121 ppm
Concentration per Run	0.0032 ppm	76.0654 ppm	0.0700 ppm	0.0533 ppm	1.4967 ppm	0.0049 ppm	404.0307 ppm
Concentration RSD	12.7 %	0.5 %	2.6 %	3.9 %	0.9 %	0.3 %	0.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0033 ppm	0.0700 ppm	0.1402 ppm	2.3292 ppm	180.7687 ppm	8.3593 ppm	0.1715 ppm
Concentration per Run	0.0034 ppm	0.0700 ppm	0.1403 ppm	2.3347 ppm	181.1407 ppm	8.3971 ppm	0.1731 ppm
Concentration per Run	0.0033 ppm	0.0702 ppm	0.1400 ppm	2.3212 ppm	180.8302 ppm	8.4007 ppm	0.1720 ppm
Concentration per Run	0.0032 ppm	0.0699 ppm	0.1403 ppm	2.3317 ppm	180.3352 ppm	8.2800 ppm	0.1695 ppm
Concentration RSD	2.1 %	0.3 %	0.1 %	0.3 %	0.2 %	0.8 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	116.6489 ppm	4.6892 ppm	0.0145 ppm	1.5363 ppm	0.2179 ppm	1.9781 ppm	0.0058 ppm
Concentration per Run	116.6591 ppm	4.6777 ppm	0.0145 ppm	1.5363 ppm	0.2183 ppm	1.9710 ppm	0.0053 ppm
Concentration per Run	116.3635 ppm	4.6954 ppm	0.0145 ppm	1.5384 ppm	0.2163 ppm	1.9849 ppm	0.0045 ppm
Concentration per Run	116.9240 ppm	4.6946 ppm	0.0145 ppm	1.5343 ppm	0.2190 ppm	1.9783 ppm	0.0076 ppm
Concentration RSD	0.2 %	0.2 %	0.2 %	0.1 %	0.6 %	0.4 %	27.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0014 ppm	3.6397 ppm	0.1092 ppm	0.8728 ppm	0.6009 ppm	-0.0013 ppm	0.1551 ppm
Concentration per Run	0.0014 ppm	3.6587 ppm	0.1079 ppm	0.8737 ppm	0.6034 ppm	-0.0014 ppm	0.1558 ppm
Concentration per Run	0.0004 ppm	3.6178 ppm	0.1093 ppm	0.8714 ppm	0.6008 ppm	-0.0019 ppm	0.1545 ppm
Concentration per Run	0.0023 ppm	3.6424 ppm	0.1104 ppm	0.8732 ppm	0.5986 ppm	-0.0006 ppm	0.1548 ppm
Concentration RSD	67.5 %	0.6 %	1.1 %	0.1 %	0.4 %	48.7 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	4.3254 ppm	97.7607 %	100.6736 %	85.2032 %	119.5238 %	124.8079 %	118.6424 %
Concentration per Run	4.3267 ppm	97.7319 %	100.5072 %	85.4241 %	119.8206 %	125.1321 %	118.8677 %
Concentration per Run	4.3123 ppm	97.9536 %	100.6609 %	85.2741 %	119.2354 %	124.2491 %	118.6087 %
Concentration per Run	4.3373 ppm	97.5965 %	100.8525 %	84.9114 %	119.5155 %	125.0424 %	118.4506 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.3 %	0.2 %	0.4 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
Analysis started at: 9/18/2025 9:50:22 AM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5138 ppm	0.4934 ppm	0.5003 ppm	0.5300 ppm	0.5061 ppm	0.5260 ppm	0.5326 ppm
Concentration per Run	0.5158 ppm	0.4928 ppm	0.4959 ppm	0.5313 ppm	0.5052 ppm	0.5235 ppm	0.5311 ppm
Concentration per Run	0.5114 ppm	0.4935 ppm	0.5026 ppm	0.5266 ppm	0.5055 ppm	0.5288 ppm	0.5378 ppm
Concentration per Run	0.5142 ppm	0.4938 ppm	0.5023 ppm	0.5323 ppm	0.5075 ppm	0.5255 ppm	0.5289 ppm
Recovery Percentage	102.763 %	98.678 %	100.051 %	106.006 %	101.211 %	105.194 %	106.517 %
Concentration RSD	0.4 %	0.1 %	0.8 %	0.6 %	0.2 %	0.5 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5343 ppm	0.5276 ppm	0.5243 ppm	0.5316 ppm	0.5204 ppm	5.2552 ppm	0.5396 ppm
Concentration per Run	0.5317 ppm	0.5282 ppm	0.5243 ppm	0.5356 ppm	0.5176 ppm	5.2163 ppm	0.5391 ppm
Concentration per Run	0.5320 ppm	0.5263 ppm	0.5208 ppm	0.5304 ppm	0.5249 ppm	5.3053 ppm	0.5371 ppm
Concentration per Run	0.5392 ppm	0.5285 ppm	0.5278 ppm	0.5288 ppm	0.5187 ppm	5.2441 ppm	0.5427 ppm
Recovery Percentage	106.856 %	105.529 %	104.860 %	106.318 %	104.078 %	105.105 %	107.927 %
Concentration RSD	0.8 %	0.2 %	0.7 %	0.7 %	0.8 %	0.9 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5395 ppm	0.5262 ppm	0.5140 ppm	10.5387 ppm	0.5364 ppm	0.5010 ppm	0.5381 ppm
Concentration per Run	0.5375 ppm	0.5243 ppm	0.5118 ppm	10.4768 ppm	0.5376 ppm	0.5005 ppm	0.5407 ppm
Concentration per Run	0.5363 ppm	0.5303 ppm	0.5111 ppm	10.6587 ppm	0.5340 ppm	0.5017 ppm	0.5359 ppm
Concentration per Run	0.5448 ppm	0.5240 ppm	0.5191 ppm	10.4807 ppm	0.5376 ppm	0.5008 ppm	0.5377 ppm
Recovery Percentage	107.906 %	105.240 %	102.805 %	105.387 %	107.276 %	100.203 %	107.619 %
Concentration RSD	0.8 %	0.7 %	0.9 %	1.0 %	0.4 %	0.1 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.5101 ppm	5.8095 ppm	0.5260 ppm	0.5259 ppm	0.5163 ppm	0.5130 ppm	0.5272 ppm
Concentration per Run	0.5055 ppm	5.8154 ppm	0.5276 ppm	0.5275 ppm	0.5177 ppm	0.5102 ppm	0.5271 ppm
Concentration per Run	0.5111 ppm	5.7715 ppm	0.5199 ppm	0.5233 ppm	0.5132 ppm	0.5155 ppm	0.5261 ppm
Concentration per Run	0.5135 ppm	5.8417 ppm	0.5306 ppm	0.5269 ppm	0.5180 ppm	0.5134 ppm	0.5284 ppm
Recovery Percentage	102.013 %	110.658 %	105.207 %	105.185 %	103.261 %	102.604 %	105.441 %
Concentration RSD	0.8 %	0.6 %	1.1 %	0.4 %	0.5 %	0.5 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5308 ppm	99.6966 %	100.3372 %	97.9004 %	98.2706 %	100.0760 %	98.3771 %
Concentration per Run	0.5316 ppm	99.7698 %	101.2770 %	97.7132 %	98.4404 %	101.3004 %	97.9944 %
Concentration per Run	0.5269 ppm	100.1738 %	99.0076 %	97.9906 %	98.6818 %	99.0575 %	98.7803 %
Concentration per Run	0.5337 ppm	99.1461 %	100.7269 %	97.9975 %	97.6895 %	99.8702 %	98.3568 %
Recovery Percentage	106.150 %						
Concentration RSD	0.7 %	0.5 %	1.2 %	0.2 %	0.5 %	1.1 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 9:54:02 AM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0081 ppm	0.0007 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0058 ppm
Concentration per Run	0.0001 ppm	-0.0069 ppm	0.0000 ppm	0.0016 ppm	0.0000 ppm	0.0000 ppm	0.0064 ppm
Concentration per Run	-0.0001 ppm	-0.0078 ppm	0.0005 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0060 ppm
Concentration per Run	0.0001 ppm	-0.0095 ppm	0.0016 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0050 ppm
Recovery Percentage	0.473 %	-8.066 %	14.164 %	3.319 %	0.696 %	0.242 %	5.814 %
Concentration RSD	480.3 %	16.5 %	115.9 %	60.0 %	66.2 %	55.9 %	11.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0004 ppm	0.0039 ppm	0.0013 ppm	-0.0004 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0003 ppm	-0.0002 ppm	0.0047 ppm	0.0065 ppm	-0.0008 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0003 ppm	-0.0003 ppm	0.0033 ppm	-0.0122 ppm	-0.0005 ppm
Concentration per Run	0.0001 ppm	-0.0004 ppm	0.0001 ppm	-0.0005 ppm	0.0037 ppm	0.0095 ppm	0.0001 ppm
Recovery Percentage	2.248 %	1.300 %	2.251 %	-3.541 %	7.748 %	0.052 %	-3.707 %
Concentration RSD	42.5 %	344.3 %	30.1 %	42.3 %	18.6 %	911.0 %	122.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0021 ppm	0.0000 ppm	0.0042 ppm	-0.0041 ppm	-0.0004 ppm	-0.0002 ppm	-0.0003 ppm
Concentration per Run	0.0033 ppm	0.0001 ppm	0.0038 ppm	-0.0037 ppm	-0.0004 ppm	-0.0003 ppm	0.0008 ppm
Concentration per Run	0.0006 ppm	0.0000 ppm	0.0046 ppm	-0.0018 ppm	-0.0003 ppm	-0.0004 ppm	-0.0023 ppm
Concentration per Run	0.0025 ppm	0.0000 ppm	0.0043 ppm	-0.0069 ppm	-0.0004 ppm	0.0000 ppm	0.0004 ppm
Recovery Percentage	2.139 %	0.258 %	8.455 %	-0.207 %	-1.478 %	-2.290 %	-0.684 %
Concentration RSD	63.7 %	135.0 %	9.1 %	62.4 %	27.8 %	94.2 %	486.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0039 ppm	0.0041 ppm	0.0016 ppm	0.0000 ppm	0.0007 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run	0.0037 ppm	0.0037 ppm	0.0009 ppm	0.0001 ppm	0.0008 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	0.0040 ppm	0.0044 ppm	0.0015 ppm	0.0000 ppm	0.0006 ppm	0.0015 ppm	-0.0002 ppm
Concentration per Run	0.0041 ppm	0.0041 ppm	0.0025 ppm	0.0000 ppm	0.0008 ppm	0.0015 ppm	0.0000 ppm
Recovery Percentage	39.381 %	0.818 %	3.223 %	0.354 %	7.350 %	7.047 %	-0.284 %
Concentration RSD	4.7 %	8.7 %	50.4 %	107.6 %	12.8 %	14.8 %	652.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	104.5835 %	98.6360 %	101.7098 %	105.4765 %	99.9417 %	102.8539 %
Concentration per Run	0.0002 ppm	103.9455 %	99.7378 %	101.5780 %	104.9757 %	100.4738 %	103.0619 %
Concentration per Run	0.0002 ppm	105.1045 %	97.2093 %	101.8693 %	105.7438 %	99.1530 %	102.6491 %
Concentration per Run	0.0000 ppm	104.7006 %	98.9610 %	101.6820 %	105.7101 %	100.1984 %	102.8508 %
Recovery Percentage	2.006 %						
Concentration RSD	121.4 %	0.6 %	1.3 %	0.1 %	0.4 %	0.7 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: xLDR Ba 15
 Analysis started at: 9/18/2025 10:43:51 AM
 Rack: 1
 Vial: 19
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0088 ppm	0.0002 ppm	-0.0003 ppm	1.5533 ppm	0.0000 ppm	0.0069 ppm
Concentration per Run	0.0000 ppm	-0.0079 ppm	0.0006 ppm	-0.0001 ppm	1.5483 ppm	0.0000 ppm	0.0066 ppm
Concentration per Run	-0.0002 ppm	-0.0072 ppm	-0.0002 ppm	-0.0001 ppm	1.5590 ppm	0.0000 ppm	0.0087 ppm
Concentration per Run	-0.0002 ppm	-0.0111 ppm	0.0003 ppm	-0.0006 ppm	1.5527 ppm	0.0000 ppm	0.0055 ppm
Concentration RSD	57.1 %	23.7 %	193.7 %	108.9 %	0.3 %	3,412.6 %	24.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0040 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0045 ppm	-0.0032 ppm	0.0003 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0037 ppm	0.0016 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0037 ppm	0.0040 ppm	0.0004 ppm
Concentration RSD	260.0 %	258.3 %	77.9 %	116.9 %	12.1 %	471.8 %	98.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0022 ppm	0.0001 ppm	0.0012 ppm	0.0017 ppm	-0.0002 ppm	-0.0003 ppm	0.0024 ppm
Concentration per Run	0.0025 ppm	0.0000 ppm	0.0010 ppm	0.0036 ppm	-0.0008 ppm	-0.0005 ppm	0.0027 ppm
Concentration per Run	0.0018 ppm	0.0000 ppm	0.0012 ppm	0.0018 ppm	0.0000 ppm	-0.0010 ppm	0.0030 ppm
Concentration per Run	0.0022 ppm	0.0001 ppm	0.0012 ppm	-0.0003 ppm	0.0001 ppm	0.0005 ppm	0.0014 ppm
Concentration RSD	15.7 %	54.0 %	9.1 %	116.3 %	218.0 %	230.6 %	34.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0001 ppm	0.0199 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run	0.0013 ppm	0.0200 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run	-0.0003 ppm	0.0204 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm	-0.0011 ppm	-0.0004 ppm
Concentration per Run	-0.0008 ppm	0.0192 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	-0.0011 ppm	-0.0001 ppm
Concentration RSD	1,750.4 %	3.2 %	191.6 %	168.3 %	42.6 %	101.4 %	106.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	99.6899 %	99.2834 %	97.7639 %	99.5128 %	100.2045 %	98.8308 %
Concentration per Run	0.0002 ppm	100.0356 %	99.4264 %	97.7785 %	99.6295 %	100.6269 %	99.1276 %
Concentration per Run	0.0004 ppm	99.7117 %	98.9800 %	97.9190 %	99.5670 %	99.6857 %	98.9691 %
Concentration per Run	0.0004 ppm	99.3224 %	99.4439 %	97.5942 %	99.3418 %	100.3009 %	98.3956 %
Concentration RSD	29.5 %	0.4 %	0.3 %	0.2 %	0.2 %	0.5 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: LDR Fe 300
 Analysis started at: 9/18/2025 10:47:31 AM
 Rack: 1
 Vial: 20
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	0.0174 ppm	-0.0002 ppm	0.0007 ppm	0.0003 ppm	0.0000 ppm	0.0097 ppm
Concentration per Run	0.0009 ppm	0.0201 ppm	-0.0011 ppm	0.0013 ppm	0.0004 ppm	0.0000 ppm	0.0085 ppm
Concentration per Run	0.0013 ppm	0.0163 ppm	0.0010 ppm	-0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0113 ppm
Concentration per Run	0.0011 ppm	0.0157 ppm	-0.0005 ppm	0.0011 ppm	0.0003 ppm	0.0000 ppm	0.0093 ppm
Concentration RSD	16.1 %	13.9 %	567.9 %	114.0 %	7.6 %	44.8 %	14.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0007 ppm	-0.0012 ppm	-0.0013 ppm	0.0043 ppm	279.2952 ppm	-0.0360 ppm	0.0002 ppm
Concentration per Run	0.0006 ppm	-0.0014 ppm	-0.0014 ppm	0.0042 ppm	279.7959 ppm	-0.0365 ppm	-0.0001 ppm
Concentration per Run	0.0009 ppm	-0.0012 ppm	-0.0013 ppm	0.0048 ppm	278.6700 ppm	-0.0309 ppm	0.0004 ppm
Concentration per Run	0.0007 ppm	-0.0010 ppm	-0.0012 ppm	0.0040 ppm	279.4196 ppm	-0.0405 ppm	0.0003 ppm
Concentration RSD	24.6 %	17.1 %	9.1 %	8.3 %	0.2 %	13.4 %	141.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0121 ppm	0.0002 ppm	-0.0011 ppm	0.0003 ppm	-0.0014 ppm	-0.0013 ppm	0.0026 ppm
Concentration per Run	-0.0119 ppm	0.0005 ppm	-0.0017 ppm	0.0043 ppm	-0.0009 ppm	0.0000 ppm	0.0039 ppm
Concentration per Run	-0.0136 ppm	0.0001 ppm	-0.0011 ppm	0.0003 ppm	-0.0017 ppm	-0.0021 ppm	0.0020 ppm
Concentration per Run	-0.0107 ppm	0.0001 ppm	-0.0006 ppm	-0.0036 ppm	-0.0015 ppm	-0.0019 ppm	0.0020 ppm
Concentration RSD	12.2 %	107.5 %	51.9 %	1,209.9 %	31.4 %	88.8 %	41.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0010 ppm	0.0032 ppm	0.0009 ppm	0.0002 ppm	0.0002 ppm	0.0011 ppm	0.0015 ppm
Concentration per Run	0.0001 ppm	0.0021 ppm	0.0011 ppm	0.0003 ppm	0.0001 ppm	0.0013 ppm	0.0018 ppm
Concentration per Run	0.0015 ppm	0.0044 ppm	0.0009 ppm	0.0002 ppm	0.0003 ppm	0.0009 ppm	0.0012 ppm
Concentration per Run	0.0014 ppm	0.0031 ppm	0.0007 ppm	0.0002 ppm	0.0003 ppm	0.0011 ppm	0.0016 ppm
Concentration RSD	81.1 %	36.0 %	25.5 %	10.7 %	44.5 %	21.6 %	19.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0004 ppm	102.6222 %	100.2581 %	94.3359 %	102.4998 %	100.5810 %	100.6122 %
Concentration per Run	-0.0006 ppm	103.0689 %	100.1766 %	94.6734 %	103.2204 %	100.3085 %	100.9187 %
Concentration per Run	-0.0002 ppm	102.3912 %	100.5662 %	93.9160 %	101.9034 %	100.3538 %	100.3494 %
Concentration per Run	-0.0004 ppm	102.4066 %	100.0315 %	94.4182 %	102.3756 %	101.0805 %	100.5685 %
Concentration RSD	47.9 %	0.4 %	0.3 %	0.4 %	0.7 %	0.4 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: LDR Ca 700
 Analysis started at: 9/18/2025 10:50:56 AM
 Rack: 1
 Vial: 21
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0006 ppm	0.0074 ppm	0.0019 ppm	0.0004 ppm	0.0016 ppm	0.0000 ppm	679.3555 ppm
Concentration per Run	-0.0005 ppm	0.0138 ppm	0.0023 ppm	0.0008 ppm	0.0015 ppm	0.0000 ppm	671.2355 ppm
Concentration per Run	-0.0006 ppm	0.0083 ppm	0.0026 ppm	-0.0007 ppm	0.0016 ppm	0.0000 ppm	680.1965 ppm
Concentration per Run	-0.0006 ppm	0.0001 ppm	0.0007 ppm	0.0013 ppm	0.0016 ppm	0.0000 ppm	686.6345 ppm
Concentration RSD	9.8 %	93.3 %	55.0 %	238.2 %	3.6 %	1,974.6 %	1.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0004 ppm	0.0004 ppm	0.0003 ppm	0.0255 ppm	0.0123 ppm	-0.0166 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0006 ppm	0.0001 ppm	0.0263 ppm	0.0150 ppm	-0.0119 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0255 ppm	0.0064 ppm	-0.0162 ppm
Concentration per Run	-0.0002 ppm	0.0006 ppm	0.0003 ppm	0.0006 ppm	0.0246 ppm	0.0155 ppm	-0.0217 ppm
Concentration RSD	1,080.4 %	39.1 %	47.1 %	110.7 %	3.4 %	41.7 %	29.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0158 ppm	0.0004 ppm	0.0003 ppm	0.0053 ppm	0.0001 ppm	0.0001 ppm	0.0021 ppm
Concentration per Run	0.0158 ppm	0.0005 ppm	0.0003 ppm	0.0080 ppm	0.0004 ppm	-0.0007 ppm	0.0043 ppm
Concentration per Run	0.0151 ppm	0.0003 ppm	0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0004 ppm	0.0006 ppm
Concentration per Run	0.0164 ppm	0.0004 ppm	0.0006 ppm	0.0075 ppm	0.0001 ppm	0.0006 ppm	0.0014 ppm
Concentration RSD	4.0 %	17.3 %	71.4 %	82.0 %	409.3 %	617.5 %	93.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0020 ppm	0.0097 ppm	-0.0009 ppm	0.0016 ppm	-0.0006 ppm	0.0010 ppm	0.0005 ppm
Concentration per Run	0.0004 ppm	0.0092 ppm	-0.0011 ppm	0.0017 ppm	-0.0008 ppm	0.0013 ppm	0.0006 ppm
Concentration per Run	-0.0029 ppm	0.0099 ppm	-0.0009 ppm	0.0017 ppm	-0.0005 ppm	0.0005 ppm	0.0005 ppm
Concentration per Run	-0.0034 ppm	0.0100 ppm	-0.0005 ppm	0.0016 ppm	-0.0006 ppm	0.0013 ppm	0.0005 ppm
Concentration RSD	103.0 %	4.5 %	35.5 %	4.2 %	22.6 %	44.9 %	10.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	93.2828 %	95.2204 %	84.6628 %	93.2201 %	95.9740 %	92.5534 %
Concentration per Run	-0.0001 ppm	93.1451 %	96.2834 %	84.4787 %	93.5620 %	95.6058 %	92.3749 %
Concentration per Run	-0.0001 ppm	93.6504 %	95.0422 %	85.0316 %	93.1920 %	96.8842 %	92.8412 %
Concentration per Run	-0.0004 ppm	93.0528 %	94.3356 %	84.4781 %	92.9063 %	95.4320 %	92.4440 %
Concentration RSD	88.5 %	0.3 %	1.0 %	0.4 %	0.4 %	0.8 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-28d4 WG2115354
 Analysis started at: 9/18/2025 10:54:22 AM
 Rack: 1
 Vial: 22
 Comment:

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0029 ppm	27.9275 ppm	0.1171 ppm	0.0307 ppm	1.7472 ppm	0.0027 ppm	136.6974 ppm
Concentration per Run	0.0031 ppm	27.9641 ppm	0.1161 ppm	0.0315 ppm	1.7407 ppm	0.0027 ppm	136.2290 ppm
Concentration per Run	0.0028 ppm	27.9384 ppm	0.1185 ppm	0.0298 ppm	1.7521 ppm	0.0027 ppm	136.6990 ppm
Concentration per Run	0.0028 ppm	27.8800 ppm	0.1166 ppm	0.0306 ppm	1.7488 ppm	0.0027 ppm	137.1641 ppm
Concentration RSD	6.5 %	0.2 %	1.1 %	2.8 %	0.3 %	0.4 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0089 ppm	0.0462 ppm	0.1746 ppm	0.8460 ppm	286.1601 ppm	3.9044 ppm	0.0471 ppm
Concentration per Run	0.0090 ppm	0.0463 ppm	0.1737 ppm	0.8438 ppm	285.2758 ppm	3.9159 ppm	0.0486 ppm
Concentration per Run	0.0089 ppm	0.0459 ppm	0.1745 ppm	0.8489 ppm	286.1057 ppm	3.9070 ppm	0.0461 ppm
Concentration per Run	0.0089 ppm	0.0463 ppm	0.1756 ppm	0.8453 ppm	287.0990 ppm	3.8905 ppm	0.0466 ppm
Concentration RSD	0.7 %	0.5 %	0.5 %	0.3 %	0.3 %	0.3 %	2.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	28.9728 ppm	2.2279 ppm	0.0080 ppm	2.1463 ppm	0.1717 ppm	6.8663 ppm	0.0105 ppm
Concentration per Run	28.8272 ppm	2.2272 ppm	0.0079 ppm	2.1505 ppm	0.1697 ppm	6.8673 ppm	0.0070 ppm
Concentration per Run	28.9685 ppm	2.2280 ppm	0.0084 ppm	2.1420 ppm	0.1724 ppm	6.8710 ppm	0.0108 ppm
Concentration per Run	29.1228 ppm	2.2286 ppm	0.0076 ppm	2.1463 ppm	0.1730 ppm	6.8606 ppm	0.0136 ppm
Concentration RSD	0.5 %	0.0 %	4.7 %	0.2 %	1.0 %	0.1 %	31.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0121 ppm	1.5197 ppm	0.0899 ppm	0.4633 ppm	0.9674 ppm	0.0011 ppm	0.1399 ppm
Concentration per Run	0.0102 ppm	1.5288 ppm	0.0906 ppm	0.4639 ppm	0.9641 ppm	0.0012 ppm	0.1397 ppm
Concentration per Run	0.0124 ppm	1.5166 ppm	0.0899 ppm	0.4622 ppm	0.9731 ppm	0.0013 ppm	0.1393 ppm
Concentration per Run	0.0135 ppm	1.5138 ppm	0.0893 ppm	0.4638 ppm	0.9650 ppm	0.0006 ppm	0.1407 ppm
Concentration RSD	14.1 %	0.5 %	0.7 %	0.2 %	0.5 %	35.4 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	3.8289 ppm	100.1561 %	100.7580 %	87.8689 %	106.6304 %	107.7432 %	105.0551 %
Concentration per Run	3.7780 ppm	100.2999 %	101.4081 %	87.9758 %	106.7882 %	108.4107 %	105.2296 %
Concentration per Run	3.8517 ppm	100.1676 %	100.4789 %	87.7437 %	106.4878 %	107.2892 %	104.8512 %
Concentration per Run	3.8572 ppm	100.0008 %	100.3869 %	87.8873 %	106.6151 %	107.5297 %	105.0845 %
Concentration RSD	1.2 %	0.1 %	0.6 %	0.1 %	0.1 %	0.5 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-31d5 WG2115354
 Analysis started at: 9/18/2025 10:57:48 AM
 Rack: 1
 Vial: 23
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0006 ppm	5.4048 ppm	0.0133 ppm	0.0169 ppm	0.0947 ppm	0.0008 ppm	848.1168 [SIC 1000]
Concentration per Run	-0.0005 ppm	5.3816 ppm	0.0128 ppm	0.0167 ppm	0.0946 ppm	0.0008 ppm	845.1486 ppm
Concentration per Run	-0.0003 ppm	5.4052 ppm	0.0148 ppm	0.0175 ppm	0.0951 ppm	0.0008 ppm	845.8663 ppm
Concentration per Run	-0.0008 ppm	5.4277 ppm	0.0124 ppm	0.0163 ppm	0.0943 ppm	0.0008 ppm	853.3354 ppm
Concentration RSD	43.3 %	0.4 %	9.5 %	3.7 %	0.4 %	1.9 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0098 ppm	0.0093 ppm	0.0180 ppm	0.0531 ppm	20.4029 ppm	1.1665 ppm	0.0141 ppm
Concentration per Run	-0.0100 ppm	0.0091 ppm	0.0180 ppm	0.0531 ppm	20.4927 ppm	1.1841 ppm	0.0182 ppm
Concentration per Run	-0.0097 ppm	0.0099 ppm	0.0182 ppm	0.0531 ppm	20.3237 ppm	1.1753 ppm	0.0075 ppm
Concentration per Run	-0.0098 ppm	0.0091 ppm	0.0177 ppm	0.0533 ppm	20.3925 ppm	1.1400 ppm	0.0164 ppm
Concentration RSD	1.4 %	4.9 %	1.4 %	0.2 %	0.4 %	2.0 %	40.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	481.3520 ppm	0.5290 ppm	0.0006 ppm	0.7253 ppm	0.0222 ppm	0.0314 ppm	-0.0011 ppm
Concentration per Run	483.1065 ppm	0.5289 ppm	0.0008 ppm	0.7184 ppm	0.0216 ppm	0.0309 ppm	-0.0028 ppm
Concentration per Run	480.7121 ppm	0.5284 ppm	0.0007 ppm	0.7229 ppm	0.0230 ppm	0.0317 ppm	0.0005 ppm
Concentration per Run	480.2373 ppm	0.5296 ppm	0.0004 ppm	0.7345 ppm	0.0219 ppm	0.0315 ppm	-0.0011 ppm
Concentration RSD	0.3 %	0.1 %	39.3 %	1.1 %	3.3 %	1.2 %	149.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0001 ppm	0.8320 ppm	0.0021 ppm	0.5568 ppm	0.0583 ppm	0.0007 ppm	0.0273 ppm
Concentration per Run	-0.0015 ppm	0.8366 ppm	0.0017 ppm	0.5569 ppm	0.0588 ppm	0.0008 ppm	0.0272 ppm
Concentration per Run	-0.0007 ppm	0.8400 ppm	0.0028 ppm	0.5560 ppm	0.0580 ppm	-0.0001 ppm	0.0275 ppm
Concentration per Run	0.0019 ppm	0.8194 ppm	0.0017 ppm	0.5576 ppm	0.0582 ppm	0.0014 ppm	0.0271 ppm
Concentration RSD	2,275.2 %	1.3 %	29.8 %	0.1 %	0.7 %	111.5 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0784 ppm	87.4616 %	91.2731 %	76.6120 %	92.3580 %	97.2682 %	91.0193 %
Concentration per Run	0.0785 ppm	87.2175 %	91.8123 %	76.4763 %	91.7740 %	97.8814 %	91.0345 %
Concentration per Run	0.0783 ppm	87.5437 %	90.9660 %	76.0988 %	92.6421 %	96.4102 %	90.4351 %
Concentration per Run	0.0785 ppm	87.6235 %	91.0410 %	77.2609 %	92.6578 %	97.5129 %	91.5884 %
Concentration RSD	0.1 %	0.2 %	0.5 %	0.8 %	0.5 %	0.8 %	0.6 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: LDR Ba 15
 Analysis started at: 9/18/2025 11:19:46 AM
 Rack: 1
 Vial: 24
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0047 ppm	0.0005 ppm	-0.0004 ppm	15.1447 [SIC 20]	0.0000 ppm	0.0129 ppm
Concentration per Run	-0.0002 ppm	-0.0019 ppm	0.0013 ppm	-0.0010 ppm	15.0611 ppm	0.0000 ppm	0.0147 ppm
Concentration per Run	0.0002 ppm	-0.0020 ppm	-0.0006 ppm	-0.0008 ppm	15.1955 ppm	0.0000 ppm	0.0136 ppm
Concentration per Run	0.0000 ppm	-0.0101 ppm	0.0008 ppm	0.0006 ppm	15.1776 ppm	0.0000 ppm	0.0105 ppm
Concentration RSD	6,648.3 %	101.1 %	181.9 %	216.3 %	0.5 %	51.9 %	17.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0003 ppm	-0.0001 ppm	0.0045 ppm	0.0038 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0041 ppm	-0.0031 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0001 ppm	-0.0001 ppm	0.0048 ppm	0.0086 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0046 ppm	0.0059 ppm	-0.0003 ppm
Concentration RSD	117.7 %	93.1 %	66.2 %	150.2 %	7.7 %	162.2 %	5,622.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0029 ppm	0.0001 ppm	-0.0001 ppm	-0.0005 ppm	-0.0001 ppm	-0.0004 ppm	-0.0005 ppm
Concentration per Run	0.0030 ppm	0.0001 ppm	0.0000 ppm	-0.0013 ppm	-0.0005 ppm	-0.0010 ppm	-0.0001 ppm
Concentration per Run	0.0033 ppm	0.0001 ppm	-0.0003 ppm	-0.0005 ppm	0.0002 ppm	0.0001 ppm	0.0008 ppm
Concentration per Run	0.0024 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0005 ppm	-0.0024 ppm
Concentration RSD	16.1 %	7.0 %	312.6 %	128.9 %	779.7 %	118.3 %	309.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	-0.0020 ppm	0.0005 ppm	0.0007 ppm	0.0003 ppm	0.0003 ppm	0.0007 ppm	-0.0003 ppm
Concentration per Run	-0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	-0.0005 ppm	-0.0003 ppm	-0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0007 ppm	0.0000 ppm
Concentration RSD	113.1 %	279.8 %	368.0 %	10.0 %	123.9 %	88.8 %	160.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	104.9196 %	99.9389 %	100.1293 %	106.1745 %	102.0860 %	103.7085 %
Concentration per Run	0.0006 ppm	104.9149 %	100.8640 %	100.1153 %	106.0363 %	102.7530 %	103.8435 %
Concentration per Run	0.0006 ppm	104.6056 %	99.4097 %	99.5500 %	105.8797 %	101.3021 %	103.1020 %
Concentration per Run	0.0005 ppm	105.2382 %	99.5431 %	100.7227 %	106.6074 %	102.2029 %	104.1798 %
Concentration RSD	7.9 %	0.3 %	0.8 %	0.6 %	0.4 %	0.7 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
Analysis started at: 9/18/2025 11:23:19 AM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4933 ppm	0.4843 ppm	0.4835 ppm	0.4962 ppm	0.5029 ppm	0.5207 ppm	0.5194 ppm
Concentration per Run	0.4931 ppm	0.4843 ppm	0.4820 ppm	0.4950 ppm	0.5048 ppm	0.5219 ppm	0.5212 ppm
Concentration per Run	0.4942 ppm	0.4839 ppm	0.4869 ppm	0.4974 ppm	0.5027 ppm	0.5216 ppm	0.5209 ppm
Concentration per Run	0.4928 ppm	0.4846 ppm	0.4817 ppm	0.4960 ppm	0.5012 ppm	0.5187 ppm	0.5159 ppm
Recovery Percentage	98.669 %	96.855 %	96.709 %	99.233 %	100.581 %	104.144 %	103.870 %
Concentration RSD	0.2 %	0.1 %	0.6 %	0.2 %	0.4 %	0.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5128 ppm	0.5121 ppm	0.5100 ppm	0.5146 ppm	0.5097 ppm	5.1732 ppm	0.5350 ppm
Concentration per Run	0.5090 ppm	0.5098 ppm	0.5079 ppm	0.5163 ppm	0.5120 ppm	5.1959 ppm	0.5356 ppm
Concentration per Run	0.5145 ppm	0.5132 ppm	0.5100 ppm	0.5148 ppm	0.5105 ppm	5.1826 ppm	0.5404 ppm
Concentration per Run	0.5150 ppm	0.5133 ppm	0.5122 ppm	0.5128 ppm	0.5067 ppm	5.1411 ppm	0.5290 ppm
Recovery Percentage	102.567 %	102.421 %	102.004 %	102.928 %	101.945 %	103.464 %	107.001 %
Concentration RSD	0.6 %	0.4 %	0.4 %	0.3 %	0.5 %	0.6 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5093 ppm	0.5193 ppm	0.4998 ppm	10.4308 ppm	0.5181 ppm	0.4967 ppm	0.5171 ppm
Concentration per Run	0.5062 ppm	0.5203 ppm	0.4948 ppm	10.4329 ppm	0.5145 ppm	0.4939 ppm	0.5153 ppm
Concentration per Run	0.5119 ppm	0.5202 ppm	0.5001 ppm	10.4603 ppm	0.5197 ppm	0.4996 ppm	0.5187 ppm
Concentration per Run	0.5099 ppm	0.5175 ppm	0.5045 ppm	10.3991 ppm	0.5202 ppm	0.4966 ppm	0.5172 ppm
Recovery Percentage	101.866 %	103.867 %	99.955 %	104.308 %	103.629 %	99.335 %	103.412 %
Concentration RSD	0.6 %	0.3 %	1.0 %	0.3 %	0.6 %	0.6 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4841 ppm	5.4912 ppm	0.5114 ppm	0.5197 ppm	0.5057 ppm	0.5112 ppm	0.5147 ppm
Concentration per Run	0.4831 ppm	5.4558 ppm	0.5089 ppm	0.5191 ppm	0.5038 ppm	0.5103 ppm	0.5133 ppm
Concentration per Run	0.4841 ppm	5.5074 ppm	0.5109 ppm	0.5203 ppm	0.5077 ppm	0.5120 ppm	0.5158 ppm
Concentration per Run	0.4849 ppm	5.5104 ppm	0.5144 ppm	0.5196 ppm	0.5056 ppm	0.5113 ppm	0.5149 ppm
Recovery Percentage	96.811 %	104.594 %	102.279 %	103.931 %	101.145 %	102.246 %	102.939 %
Concentration RSD	0.2 %	0.6 %	0.5 %	0.1 %	0.4 %	0.2 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5079 ppm	105.5204 %	101.0767 %	100.3920 %	105.0995 %	101.1249 %	102.6099 %
Concentration per Run	0.5026 ppm	106.4870 %	101.3926 %	100.9382 %	106.1228 %	101.7462 %	103.1090 %
Concentration per Run	0.5091 ppm	104.8418 %	100.9056 %	100.4039 %	104.3697 %	101.4189 %	102.8758 %
Concentration per Run	0.5120 ppm	105.2326 %	100.9320 %	99.8339 %	104.8060 %	100.2096 %	101.8450 %
Recovery Percentage	101.581 %						
Concentration RSD	0.9 %	0.8 %	0.3 %	0.6 %	0.9 %	0.8 %	0.7 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 11:26:45 AM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0040 ppm	0.0019 ppm	0.0008 ppm	0.0003 ppm	0.0001 ppm	0.0053 ppm
Concentration per Run	0.0000 ppm	-0.0059 ppm	0.0026 ppm	0.0006 ppm	0.0003 ppm	0.0001 ppm	0.0041 ppm
Concentration per Run	0.0005 ppm	-0.0014 ppm	0.0015 ppm	0.0005 ppm	0.0003 ppm	0.0001 ppm	0.0058 ppm
Concentration per Run	-0.0002 ppm	-0.0047 ppm	0.0015 ppm	0.0013 ppm	0.0002 ppm	0.0001 ppm	0.0061 ppm
Recovery Percentage	1.979 %	-4.006 %	37.143 %	2.709 %	2.718 %	1.540 %	5.337 %
Concentration RSD	350.6 %	58.6 %	34.6 %	50.6 %	26.8 %	14.4 %	20.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0001 ppm	-0.0003 ppm	0.0027 ppm	0.0041 ppm	0.0009 ppm
Concentration per Run	0.0001 ppm	-0.0006 ppm	0.0002 ppm	-0.0001 ppm	0.0032 ppm	-0.0050 ppm	0.0008 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0004 ppm	0.0024 ppm	0.0137 ppm	0.0009 ppm
Concentration per Run	0.0002 ppm	-0.0003 ppm	0.0000 ppm	-0.0003 ppm	0.0025 ppm	0.0035 ppm	0.0011 ppm
Recovery Percentage	3.710 %	-2.225 %	0.759 %	-2.514 %	5.482 %	0.163 %	9.481 %
Concentration RSD	36.9 %	171.5 %	113.2 %	63.5 %	16.2 %	230.6 %	16.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0011 ppm	0.0001 ppm	0.0041 ppm	-0.0028 ppm	-0.0001 ppm	-0.0002 ppm	-0.0005 ppm
Concentration per Run	0.0018 ppm	0.0001 ppm	0.0042 ppm	-0.0024 ppm	0.0002 ppm	-0.0005 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0045 ppm	-0.0015 ppm	0.0003 ppm	-0.0004 ppm	-0.0010 ppm
Concentration per Run	0.0016 ppm	0.0001 ppm	0.0036 ppm	-0.0046 ppm	-0.0009 ppm	0.0002 ppm	-0.0010 ppm
Recovery Percentage	1.143 %	0.954 %	8.174 %	-0.141 %	-0.531 %	-2.279 %	-0.982 %
Concentration RSD	86.5 %	26.1 %	11.4 %	56.7 %	484.8 %	170.9 %	168.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0045 ppm	0.0007 ppm	0.0016 ppm	0.0001 ppm	0.0007 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run	0.0053 ppm	-0.0005 ppm	0.0017 ppm	0.0001 ppm	0.0005 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run	0.0050 ppm	0.0012 ppm	0.0013 ppm	0.0000 ppm	0.0008 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run	0.0033 ppm	0.0014 ppm	0.0019 ppm	0.0001 ppm	0.0006 ppm	0.0002 ppm	0.0001 ppm
Recovery Percentage	45.211 %	0.138 %	3.258 %	0.804 %	6.634 %	3.163 %	1.172 %
Concentration RSD	24.5 %	149.7 %	18.3 %	57.4 %	21.3 %	77.6 %	71.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	104.5105 %	98.9511 %	101.7562 %	105.5622 %	100.6202 %	102.9822 %
Concentration per Run	0.0003 ppm	104.7518 %	97.8074 %	101.5294 %	105.7460 %	99.9694 %	102.7805 %
Concentration per Run	0.0003 ppm	104.3972 %	98.8923 %	102.0425 %	105.6403 %	100.1831 %	103.1449 %
Concentration per Run	0.0002 ppm	104.3824 %	100.1536 %	101.6968 %	105.3003 %	101.7080 %	103.0212 %
Recovery Percentage	5.448 %						
Concentration RSD	28.5 %	0.2 %	1.2 %	0.3 %	0.2 %	0.9 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116380-1 WG2116380
 Analysis started at: 9/18/2025 12:07:36 PM
 Rack: 1
 Vial: 25
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0061 ppm	0.0008 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0156 ppm
Concentration per Run	-0.0002 ppm	-0.0023 ppm	0.0001 ppm	-0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0162 ppm
Concentration per Run	-0.0003 ppm	-0.0093 ppm	0.0018 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0149 ppm
Concentration per Run	0.0001 ppm	-0.0068 ppm	0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0157 ppm
Concentration RSD	182.5 %	58.1 %	115.1 %	539.0 %	28.4 %	236.1 %	4.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0022 ppm	-0.0093 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0002 ppm	0.0001 ppm	0.0024 ppm	-0.0114 ppm	-0.0007 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0005 ppm	0.0024 ppm	-0.0066 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0017 ppm	-0.0098 ppm	0.0004 ppm
Concentration RSD	408.6 %	266.6 %	393.2 %	93.1 %	18.4 %	26.2 %	1,214.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0027 ppm	0.0007 ppm	0.0009 ppm	-0.0002 ppm	-0.0007 ppm	-0.0005 ppm	0.0006 ppm
Concentration per Run	0.0035 ppm	0.0007 ppm	0.0005 ppm	-0.0025 ppm	-0.0008 ppm	-0.0012 ppm	-0.0003 ppm
Concentration per Run	0.0018 ppm	0.0008 ppm	0.0015 ppm	0.0021 ppm	-0.0003 ppm	-0.0001 ppm	0.0024 ppm
Concentration per Run	0.0028 ppm	0.0006 ppm	0.0008 ppm	-0.0001 ppm	-0.0011 ppm	-0.0002 ppm	-0.0002 ppm
Concentration RSD	31.0 %	7.9 %	56.7 %	1,305.0 %	58.6 %	121.3 %	237.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0001 ppm	0.0080 ppm	0.0003 ppm	0.0000 ppm	0.0005 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	0.0073 ppm	0.0005 ppm	0.0001 ppm	0.0006 ppm	0.0019 ppm	-0.0001 ppm
Concentration per Run	0.0007 ppm	0.0082 ppm	-0.0004 ppm	0.0001 ppm	0.0004 ppm	0.0014 ppm	-0.0002 ppm
Concentration per Run	-0.0006 ppm	0.0085 ppm	0.0010 ppm	0.0000 ppm	0.0004 ppm	0.0007 ppm	0.0000 ppm
Concentration RSD	487.3 %	8.1 %	196.9 %	133.8 %	20.5 %	47.4 %	79.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	100.8802 %	101.0988 %	100.9084 %	100.7940 %	102.6463 %	99.9522 %
Concentration per Run	0.0006 ppm	101.1186 %	101.4581 %	100.7812 %	100.9683 %	102.4484 %	99.8893 %
Concentration per Run	0.0007 ppm	101.0338 %	100.7284 %	101.3190 %	101.0103 %	103.1723 %	100.2210 %
Concentration per Run	0.0007 ppm	100.4882 %	101.1098 %	100.6251 %	100.4035 %	102.3181 %	99.7463 %
Concentration RSD	6.0 %	0.3 %	0.4 %	0.4 %	0.3 %	0.4 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116380-2 WG2116380
 Analysis started at: 9/18/2025 12:11:22 PM
 Rack: 1
 Vial: 26
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0505 ppm	2.0552 ppm	0.1219 ppm	1.0216 ppm	2.0052 ppm	0.0516 ppm	10.3997 ppm
Concentration per Run	0.0503 ppm	2.0718 ppm	0.1222 ppm	1.0173 ppm	2.0240 ppm	0.0519 ppm	10.4002 ppm
Concentration per Run	0.0506 ppm	2.0510 ppm	0.1232 ppm	1.0203 ppm	1.9939 ppm	0.0516 ppm	10.3952 ppm
Concentration per Run	0.0505 ppm	2.0427 ppm	0.1202 ppm	1.0272 ppm	1.9977 ppm	0.0513 ppm	10.4036 ppm
Concentration RSD	0.3 %	0.7 %	1.2 %	0.5 %	0.8 %	0.6 %	0.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0539 ppm	0.5032 ppm	0.2021 ppm	0.2573 ppm	1.0045 ppm	10.4780 ppm	-0.0007 ppm
Concentration per Run	0.0536 ppm	0.5021 ppm	0.2018 ppm	0.2573 ppm	1.0113 ppm	10.5587 ppm	-0.0004 ppm
Concentration per Run	0.0542 ppm	0.5036 ppm	0.2028 ppm	0.2564 ppm	1.0033 ppm	10.4398 ppm	-0.0002 ppm
Concentration per Run	0.0540 ppm	0.5040 ppm	0.2017 ppm	0.2583 ppm	0.9988 ppm	10.4354 ppm	-0.0014 ppm
Concentration RSD	0.6 %	0.2 %	0.3 %	0.4 %	0.6 %	0.7 %	93.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.3311 ppm	0.5099 ppm	0.9352 ppm	10.6532 ppm	0.5156 ppm	0.5366 ppm	0.3636 ppm
Concentration per Run	10.3573 ppm	0.5126 ppm	0.9237 ppm	10.7145 ppm	0.5145 ppm	0.5345 ppm	0.3623 ppm
Concentration per Run	10.3319 ppm	0.5090 ppm	0.9361 ppm	10.6407 ppm	0.5141 ppm	0.5380 ppm	0.3648 ppm
Concentration per Run	10.3041 ppm	0.5083 ppm	0.9457 ppm	10.6044 ppm	0.5182 ppm	0.5373 ppm	0.3638 ppm
Concentration RSD	0.3 %	0.5 %	1.2 %	0.5 %	0.4 %	0.3 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1179 ppm	1.0145 ppm	0.9354 ppm	1.0196 ppm	1.0195 ppm	0.1259 ppm	0.5215 ppm
Concentration per Run	0.1182 ppm	1.0101 ppm	0.9287 ppm	1.0334 ppm	1.0151 ppm	0.1241 ppm	0.5207 ppm
Concentration per Run	0.1171 ppm	1.0172 ppm	0.9371 ppm	1.0137 ppm	1.0234 ppm	0.1272 ppm	0.5219 ppm
Concentration per Run	0.1185 ppm	1.0161 ppm	0.9405 ppm	1.0118 ppm	1.0201 ppm	0.1263 ppm	0.5218 ppm
Concentration RSD	0.6 %	0.4 %	0.6 %	1.2 %	0.4 %	1.2 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5100 ppm	104.2650 %	102.6129 %	98.2441 %	103.5896 %	101.9885 %	101.5913 %
Concentration per Run	0.5090 ppm	104.0374 %	102.3261 %	98.3336 %	103.1808 %	101.4827 %	101.7338 %
Concentration per Run	0.5098 ppm	104.4179 %	102.1375 %	97.8213 %	103.6493 %	101.9949 %	101.3598 %
Concentration per Run	0.5114 ppm	104.3396 %	103.3752 %	98.5775 %	103.9386 %	102.4879 %	101.6802 %
Concentration RSD	0.2 %	0.2 %	0.6 %	0.4 %	0.4 %	0.5 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116380-3 WG2116380
 Analysis started at: 9/18/2025 12:14:46 PM
 Rack: 1
 Vial: 27
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0499 ppm	2.0579 ppm	0.1206 ppm	0.9959 ppm	1.9942 ppm	0.0514 ppm	10.3917 ppm
Concentration per Run	0.0495 ppm	2.0626 ppm	0.1212 ppm	0.9879 ppm	2.0066 ppm	0.0514 ppm	10.3433 ppm
Concentration per Run	0.0500 ppm	2.0665 ppm	0.1200 ppm	0.9966 ppm	1.9972 ppm	0.0516 ppm	10.4749 ppm
Concentration per Run	0.0501 ppm	2.0446 ppm	0.1205 ppm	1.0031 ppm	1.9786 ppm	0.0513 ppm	10.3568 ppm
Concentration RSD	0.7 %	0.6 %	0.5 %	0.8 %	0.7 %	0.4 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0531 ppm	0.4940 ppm	0.2002 ppm	0.2536 ppm	1.0086 ppm	10.4397 ppm	-0.0002 ppm
Concentration per Run	0.0527 ppm	0.4908 ppm	0.1995 ppm	0.2528 ppm	1.0048 ppm	10.4971 ppm	0.0002 ppm
Concentration per Run	0.0533 ppm	0.4956 ppm	0.2002 ppm	0.2529 ppm	1.0148 ppm	10.4471 ppm	-0.0005 ppm
Concentration per Run	0.0532 ppm	0.4956 ppm	0.2009 ppm	0.2549 ppm	1.0063 ppm	10.3748 ppm	-0.0003 ppm
Concentration RSD	0.6 %	0.6 %	0.4 %	0.5 %	0.5 %	0.6 %	215.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.1544 ppm	0.5102 ppm	0.9866 ppm	10.6172 ppm	0.5092 ppm	0.5347 ppm	0.4568 ppm
Concentration per Run	10.0685 ppm	0.5083 ppm	0.9765 ppm	10.6033 ppm	0.5076 ppm	0.5351 ppm	0.4526 ppm
Concentration per Run	10.2208 ppm	0.5133 ppm	0.9861 ppm	10.6635 ppm	0.5092 ppm	0.5346 ppm	0.4568 ppm
Concentration per Run	10.1738 ppm	0.5090 ppm	0.9971 ppm	10.5849 ppm	0.5109 ppm	0.5345 ppm	0.4609 ppm
Concentration RSD	0.8 %	0.5 %	1.0 %	0.4 %	0.3 %	0.1 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1197 ppm	0.9982 ppm	0.9704 ppm	1.0160 ppm	1.0139 ppm	0.1241 ppm	0.5165 ppm
Concentration per Run	0.1198 ppm	0.9932 ppm	0.9634 ppm	1.0183 ppm	1.0124 ppm	0.1233 ppm	0.5157 ppm
Concentration per Run	0.1214 ppm	0.9998 ppm	0.9695 ppm	1.0196 ppm	1.0156 ppm	0.1242 ppm	0.5175 ppm
Concentration per Run	0.1180 ppm	1.0016 ppm	0.9784 ppm	1.0102 ppm	1.0136 ppm	0.1247 ppm	0.5164 ppm
Concentration RSD	1.4 %	0.4 %	0.8 %	0.5 %	0.2 %	0.6 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5001 ppm	104.4018 %	102.0586 %	97.7077 %	103.7721 %	101.6991 %	101.2223 %
Concentration per Run	0.4971 ppm	104.7651 %	102.3460 %	97.3359 %	104.2196 %	102.1670 %	100.8437 %
Concentration per Run	0.5000 ppm	104.2861 %	101.7575 %	98.2942 %	103.7417 %	101.6622 %	101.4928 %
Concentration per Run	0.5033 ppm	104.1544 %	102.0723 %	97.4929 %	103.3548 %	101.2681 %	101.3304 %
Concentration RSD	0.6 %	0.3 %	0.3 %	0.5 %	0.4 %	0.4 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: eL2558445-01 WG2116380
 Analysis started at: 9/18/2025 12:18:09 PM
 Rack: 1
 Vial: 28
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0010 ppm	0.0097 ppm	0.0055 ppm	0.0665 ppm	0.1966 ppm	0.0000 ppm	1,077.2846 [SIC 1000]
Concentration per Run	-0.0010 ppm	0.0063 ppm	0.0042 ppm	0.0681 ppm	0.1961 ppm	0.0000 ppm	1,077.4016 ppm
Concentration per Run	-0.0007 ppm	0.0127 ppm	0.0056 ppm	0.0664 ppm	0.1965 ppm	0.0001 ppm	1,068.7871 ppm
Concentration per Run	-0.0012 ppm	0.0102 ppm	0.0067 ppm	0.0651 ppm	0.1973 ppm	0.0000 ppm	1,085.6652 ppm
Concentration RSD	22.1 %	33.1 %	22.4 %	2.3 %	0.3 %	67.5 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0130 ppm	0.0005 ppm	-0.0004 ppm	-0.0003 ppm	9.4573 ppm	12.4344 ppm	0.0449 ppm
Concentration per Run	-0.0131 ppm	0.0002 ppm	-0.0004 ppm	-0.0007 ppm	9.4327 ppm	12.4133 ppm	0.0340 ppm
Concentration per Run	-0.0128 ppm	0.0010 ppm	-0.0006 ppm	0.0000 ppm	9.4019 ppm	12.4189 ppm	0.0501 ppm
Concentration per Run	-0.0130 ppm	0.0003 ppm	-0.0001 ppm	-0.0003 ppm	9.5374 ppm	12.4711 ppm	0.0506 ppm
Concentration RSD	1.2 %	80.0 %	61.5 %	89.3 %	0.8 %	0.3 %	21.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	190.0080 ppm	2.0628 ppm	0.0921 ppm	285.0731 ppm	0.0001 ppm	-0.0007 ppm	0.0167 ppm
Concentration per Run	191.6877 ppm	2.0586 ppm	0.0921 ppm	286.2137 ppm	0.0008 ppm	-0.0008 ppm	0.0189 ppm
Concentration per Run	188.2366 ppm	2.0566 ppm	0.0921 ppm	284.6328 ppm	-0.0002 ppm	-0.0010 ppm	0.0128 ppm
Concentration per Run	190.0997 ppm	2.0731 ppm	0.0921 ppm	284.3730 ppm	-0.0002 ppm	-0.0003 ppm	0.0185 ppm
Concentration RSD	0.9 %	0.4 %	0.0 %	0.3 %	457.9 %	48.7 %	20.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0004 ppm	0.0947 ppm	0.0170 ppm	5.9856 ppm	0.0003 ppm	-0.0017 ppm	0.0002 ppm
Concentration per Run	0.0016 ppm	0.0933 ppm	0.0178 ppm	5.9851 ppm	0.0004 ppm	-0.0019 ppm	0.0003 ppm
Concentration per Run	-0.0013 ppm	0.0998 ppm	0.0175 ppm	5.9912 ppm	0.0001 ppm	-0.0010 ppm	0.0002 ppm
Concentration per Run	0.0008 ppm	0.0911 ppm	0.0158 ppm	5.9805 ppm	0.0004 ppm	-0.0022 ppm	0.0001 ppm
Concentration RSD	418.5 %	4.8 %	6.4 %	0.1 %	45.9 %	37.1 %	45.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	85.7121 %	92.0873 %	73.9858 %	84.3227 %	90.9724 %	82.4896 %
Concentration per Run	0.0000 ppm	85.4447 %	92.6026 %	73.9158 %	84.4847 %	90.9382 %	82.6751 %
Concentration per Run	0.0000 ppm	86.3892 %	92.6552 %	73.9365 %	84.8993 %	91.3085 %	82.4489 %
Concentration per Run	-0.0004 ppm	85.3022 %	91.0042 %	74.1052 %	83.5840 %	90.6706 %	82.3448 %
Concentration RSD	135.2 %	0.7 %	1.0 %	0.1 %	0.8 %	0.4 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: eWG2116380-4 WG2116380
 Analysis started at: 9/18/2025 12:21:34 PM
 Rack: 1
 Vial: 29
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0562 ppm	2.2097 ppm	0.1505 ppm	1.0952 ppm	2.2485 ppm	0.0501 ppm	1,096.7721 [SIC 1000]
Concentration per Run	0.0560 ppm	2.2194 ppm	0.1510 ppm	1.0947 ppm	2.2397 ppm	0.0501 ppm	1,101.5716 ppm
Concentration per Run	0.0562 ppm	2.2035 ppm	0.1511 ppm	1.0978 ppm	2.2471 ppm	0.0502 ppm	1,099.5026 ppm
Concentration per Run	0.0564 ppm	2.2064 ppm	0.1494 ppm	1.0930 ppm	2.2586 ppm	0.0500 ppm	1,089.2421 ppm
Concentration RSD	0.4 %	0.4 %	0.6 %	0.2 %	0.4 %	0.2 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0374 ppm	0.4673 ppm	0.1963 ppm	0.2696 ppm	10.1090 ppm	24.2403 ppm	0.0358 ppm
Concentration per Run	0.0373 ppm	0.4668 ppm	0.1961 ppm	0.2695 ppm	10.0753 ppm	24.1781 ppm	0.0346 ppm
Concentration per Run	0.0375 ppm	0.4687 ppm	0.1968 ppm	0.2700 ppm	10.1805 ppm	24.2994 ppm	0.0452 ppm
Concentration per Run	0.0374 ppm	0.4663 ppm	0.1959 ppm	0.2694 ppm	10.0711 ppm	24.2435 ppm	0.0276 ppm
Concentration RSD	0.3 %	0.3 %	0.3 %	0.1 %	0.6 %	0.3 %	24.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	199.7460 ppm	2.5645 ppm	1.0369 ppm	298.6349 ppm	0.4782 ppm	0.5365 ppm	0.5359 ppm
Concentration per Run	200.3892 ppm	2.5652 ppm	1.0271 ppm	300.8377 ppm	0.4777 ppm	0.5355 ppm	0.5345 ppm
Concentration per Run	199.9755 ppm	2.5760 ppm	1.0357 ppm	295.2843 ppm	0.4810 ppm	0.5341 ppm	0.5362 ppm
Concentration per Run	198.8732 ppm	2.5523 ppm	1.0478 ppm	299.7826 ppm	0.4758 ppm	0.5400 ppm	0.5370 ppm
Concentration RSD	0.4 %	0.5 %	1.0 %	1.0 %	0.6 %	0.6 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1359 ppm	1.2017 ppm	0.9092 ppm	7.0064 ppm	1.0316 ppm	0.1166 ppm	0.5288 ppm
Concentration per Run	0.1332 ppm	1.1949 ppm	0.9059 ppm	6.9148 ppm	1.0281 ppm	0.1184 ppm	0.5295 ppm
Concentration per Run	0.1375 ppm	1.2092 ppm	0.9082 ppm	7.0398 ppm	1.0316 ppm	0.1159 ppm	0.5286 ppm
Concentration per Run	0.1369 ppm	1.2008 ppm	0.9136 ppm	7.0647 ppm	1.0350 ppm	0.1156 ppm	0.5281 ppm
Concentration RSD	1.7 %	0.6 %	0.4 %	1.1 %	0.3 %	1.3 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4723 ppm	85.7876 %	92.0910 %	73.0773 %	84.7673 %	91.8096 %	82.5274 %
Concentration per Run	0.4718 ppm	85.7008 %	91.3321 %	73.0808 %	84.6686 %	91.4181 %	82.4540 %
Concentration per Run	0.4736 ppm	85.7699 %	92.1439 %	73.2574 %	84.8411 %	91.9700 %	82.5696 %
Concentration per Run	0.4714 ppm	85.8921 %	92.7970 %	72.8935 %	84.7923 %	92.0406 %	82.5585 %
Concentration RSD	0.2 %	0.1 %	0.8 %	0.2 %	0.1 %	0.4 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: eWG2116380-4 WG2116380
 Analysis started at: 9/18/2025 12:24:59 PM
 Rack: 1
 Vial: 30
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0559 ppm	2.2196 ppm	0.1506 ppm	1.0943 ppm	2.2603 ppm	0.0502 ppm	1,094.2914 [SIC 1000]
Concentration per Run	0.0558 ppm	2.2303 ppm	0.1503 ppm	1.0996 ppm	2.2683 ppm	0.0503 ppm	1,094.7527 ppm
Concentration per Run	0.0558 ppm	2.2100 ppm	0.1510 ppm	1.0948 ppm	2.2538 ppm	0.0499 ppm	1,090.5256 ppm
Concentration per Run	0.0561 ppm	2.2186 ppm	0.1507 ppm	1.0885 ppm	2.2588 ppm	0.0504 ppm	1,097.5958 ppm
Concentration RSD	0.3 %	0.5 %	0.2 %	0.5 %	0.3 %	0.6 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0373 ppm	0.4660 ppm	0.1955 ppm	0.2697 ppm	10.1042 ppm	24.3235 ppm	0.0537 ppm
Concentration per Run	0.0372 ppm	0.4652 ppm	0.1950 ppm	0.2699 ppm	10.1544 ppm	24.3477 ppm	0.0590 ppm
Concentration per Run	0.0378 ppm	0.4674 ppm	0.1964 ppm	0.2692 ppm	10.0536 ppm	24.2551 ppm	0.0469 ppm
Concentration per Run	0.0370 ppm	0.4655 ppm	0.1952 ppm	0.2701 ppm	10.1047 ppm	24.3678 ppm	0.0552 ppm
Concentration RSD	1.0 %	0.3 %	0.4 %	0.2 %	0.5 %	0.2 %	11.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	198.9628 ppm	2.5670 ppm	1.0500 ppm	299.2364 ppm	0.4752 ppm	0.5350 ppm	0.5420 ppm
Concentration per Run	198.7104 ppm	2.5647 ppm	1.0445 ppm	300.4263 ppm	0.4743 ppm	0.5359 ppm	0.5368 ppm
Concentration per Run	200.0476 ppm	2.5655 ppm	1.0505 ppm	298.8035 ppm	0.4776 ppm	0.5335 ppm	0.5479 ppm
Concentration per Run	198.1304 ppm	2.5707 ppm	1.0550 ppm	298.4794 ppm	0.4738 ppm	0.5355 ppm	0.5411 ppm
Concentration RSD	0.5 %	0.1 %	0.5 %	0.3 %	0.4 %	0.2 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1386 ppm	1.1968 ppm	0.9187 ppm	7.0514 ppm	1.0312 ppm	0.1162 ppm	0.5272 ppm
Concentration per Run	0.1379 ppm	1.1980 ppm	0.9242 ppm	7.1147 ppm	1.0307 ppm	0.1160 ppm	0.5272 ppm
Concentration per Run	0.1367 ppm	1.2017 ppm	0.9142 ppm	7.0099 ppm	1.0302 ppm	0.1171 ppm	0.5288 ppm
Concentration per Run	0.1411 ppm	1.1909 ppm	0.9177 ppm	7.0297 ppm	1.0327 ppm	0.1156 ppm	0.5257 ppm
Concentration RSD	1.6 %	0.5 %	0.6 %	0.8 %	0.1 %	0.7 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4689 ppm	86.0596 %	91.6131 %	73.1344 %	85.0596 %	91.5493 %	82.5920 %
Concentration per Run	0.4688 ppm	86.1391 %	91.7376 %	72.8581 %	85.1281 %	92.0802 %	82.5082 %
Concentration per Run	0.4694 ppm	85.7327 %	91.9655 %	73.0288 %	84.8521 %	91.2550 %	82.3810 %
Concentration per Run	0.4684 ppm	86.3071 %	91.1363 %	73.5163 %	85.1988 %	91.3126 %	82.8866 %
Concentration RSD	0.1 %	0.3 %	0.5 %	0.5 %	0.2 %	0.5 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: eWG2116380-5 WG2116380
 Analysis started at: 9/18/2025 12:28:23 PM
 Rack: 1
 Vial: 31
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0562 ppm	2.2064 ppm	0.1517 ppm	1.1018 ppm	2.2466 ppm	0.0500 ppm	1,093.3562 [SIC 1000]
Concentration per Run	0.0560 ppm	2.2042 ppm	0.1498 ppm	1.0973 ppm	2.2408 ppm	0.0501 ppm	1,097.6807 ppm
Concentration per Run	0.0563 ppm	2.2114 ppm	0.1515 ppm	1.1041 ppm	2.2488 ppm	0.0499 ppm	1,085.3770 ppm
Concentration per Run	0.0562 ppm	2.2037 ppm	0.1537 ppm	1.1040 ppm	2.2502 ppm	0.0500 ppm	1,097.0109 ppm
Concentration RSD	0.3 %	0.2 %	1.3 %	0.4 %	0.2 %	0.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0372 ppm	0.4669 ppm	0.1965 ppm	0.2704 ppm	10.1124 ppm	24.2929 ppm	0.0413 ppm
Concentration per Run	0.0373 ppm	0.4673 ppm	0.1965 ppm	0.2705 ppm	10.1490 ppm	24.2709 ppm	0.0415 ppm
Concentration per Run	0.0371 ppm	0.4665 ppm	0.1965 ppm	0.2712 ppm	10.0987 ppm	24.2468 ppm	0.0358 ppm
Concentration per Run	0.0373 ppm	0.4668 ppm	0.1963 ppm	0.2696 ppm	10.0894 ppm	24.3609 ppm	0.0466 ppm
Concentration RSD	0.2 %	0.1 %	0.1 %	0.3 %	0.3 %	0.2 %	13.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	199.5221 ppm	2.5626 ppm	1.0587 ppm	294.7949 ppm	0.4783 ppm	0.5396 ppm	0.5402 ppm
Concentration per Run	199.6759 ppm	2.5626 ppm	1.0502 ppm	293.9188 ppm	0.4791 ppm	0.5414 ppm	0.5403 ppm
Concentration per Run	199.0295 ppm	2.5503 ppm	1.0592 ppm	293.8292 ppm	0.4777 ppm	0.5383 ppm	0.5432 ppm
Concentration per Run	199.8609 ppm	2.5749 ppm	1.0666 ppm	296.6367 ppm	0.4780 ppm	0.5391 ppm	0.5369 ppm
Concentration RSD	0.2 %	0.5 %	0.8 %	0.5 %	0.2 %	0.3 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1406 ppm	1.2049 ppm	0.9217 ppm	7.0650 ppm	1.0371 ppm	0.1170 ppm	0.5281 ppm
Concentration per Run	0.1384 ppm	1.2011 ppm	0.9202 ppm	7.0430 ppm	1.0400 ppm	0.1166 ppm	0.5272 ppm
Concentration per Run	0.1398 ppm	1.2068 ppm	0.9245 ppm	7.0691 ppm	1.0345 ppm	0.1176 ppm	0.5277 ppm
Concentration per Run	0.1437 ppm	1.2067 ppm	0.9205 ppm	7.0831 ppm	1.0368 ppm	0.1167 ppm	0.5295 ppm
Concentration RSD	1.9 %	0.3 %	0.3 %	0.3 %	0.3 %	0.5 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4704 ppm	86.3462 %	92.2798 %	73.1144 %	85.2159 %	91.5203 %	82.5994 %
Concentration per Run	0.4706 ppm	86.6192 %	91.6943 %	72.7584 %	85.3999 %	91.2740 %	82.6205 %
Concentration per Run	0.4701 ppm	86.2420 %	93.1053 %	73.5434 %	85.0966 %	91.7086 %	82.7859 %
Concentration per Run	0.4705 ppm	86.1774 %	92.0399 %	73.0416 %	85.1514 %	91.5783 %	82.3919 %
Concentration RSD	0.0 %	0.3 %	0.8 %	0.5 %	0.2 %	0.2 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: eWG2116380-5 WG2116380
 Analysis started at: 9/18/2025 12:31:48 PM
 Rack: 1
 Vial: 32
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0560 ppm	2.2229 ppm	0.1511 ppm	1.0939 ppm	2.2626 ppm	0.0503 ppm	1,098.8700 [SIC 1000]
Concentration per Run	0.0558 ppm	2.2166 ppm	0.1494 ppm	1.0942 ppm	2.2719 ppm	0.0499 ppm	1,081.3897 ppm
Concentration per Run	0.0558 ppm	2.2304 ppm	0.1522 ppm	1.0920 ppm	2.2694 ppm	0.0506 ppm	1,109.7038 ppm
Concentration per Run	0.0564 ppm	2.2217 ppm	0.1517 ppm	1.0957 ppm	2.2466 ppm	0.0505 ppm	1,105.5164 ppm
Concentration RSD	0.5 %	0.3 %	1.0 %	0.2 %	0.6 %	0.7 %	1.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0371 ppm	0.4666 ppm	0.1957 ppm	0.2696 ppm	10.1294 ppm	24.4053 ppm	0.0436 ppm
Concentration per Run	0.0373 ppm	0.4664 ppm	0.1948 ppm	0.2692 ppm	10.0294 ppm	24.2880 ppm	0.0510 ppm
Concentration per Run	0.0370 ppm	0.4658 ppm	0.1960 ppm	0.2688 ppm	10.1886 ppm	24.5094 ppm	0.0533 ppm
Concentration per Run	0.0370 ppm	0.4676 ppm	0.1963 ppm	0.2707 ppm	10.1701 ppm	24.4184 ppm	0.0265 ppm
Concentration RSD	0.5 %	0.2 %	0.4 %	0.4 %	0.9 %	0.5 %	34.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	198.8727 ppm	2.5720 ppm	1.0553 ppm	297.8166 ppm	0.4747 ppm	0.5396 ppm	0.5379 ppm
Concentration per Run	198.1506 ppm	2.5582 ppm	1.0493 ppm	296.5598 ppm	0.4727 ppm	0.5398 ppm	0.5376 ppm
Concentration per Run	199.1088 ppm	2.5833 ppm	1.0536 ppm	297.9897 ppm	0.4751 ppm	0.5389 ppm	0.5365 ppm
Concentration per Run	199.3587 ppm	2.5745 ppm	1.0629 ppm	298.9003 ppm	0.4762 ppm	0.5402 ppm	0.5396 ppm
Concentration RSD	0.3 %	0.5 %	0.7 %	0.4 %	0.4 %	0.1 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1403 ppm	1.1952 ppm	0.9150 ppm	7.0569 ppm	1.0347 ppm	0.1177 ppm	0.5281 ppm
Concentration per Run	0.1387 ppm	1.1993 ppm	0.9163 ppm	7.0775 ppm	1.0348 ppm	0.1163 ppm	0.5279 ppm
Concentration per Run	0.1417 ppm	1.1898 ppm	0.9175 ppm	7.0559 ppm	1.0313 ppm	0.1183 ppm	0.5275 ppm
Concentration per Run	0.1406 ppm	1.1966 ppm	0.9113 ppm	7.0373 ppm	1.0380 ppm	0.1187 ppm	0.5288 ppm
Concentration RSD	1.1 %	0.4 %	0.4 %	0.3 %	0.3 %	1.1 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4675 ppm	86.2926 %	92.0086 %	73.0014 %	85.0322 %	92.2892 %	82.6137 %
Concentration per Run	0.4672 ppm	86.3043 %	93.1116 %	72.4709 %	85.3133 %	92.4732 %	82.0930 %
Concentration per Run	0.4681 ppm	86.5908 %	90.9765 %	73.4242 %	85.2648 %	91.6339 %	83.0796 %
Concentration per Run	0.4672 ppm	85.9827 %	91.9379 %	73.1091 %	84.5186 %	92.7605 %	82.6684 %
Concentration RSD	0.1 %	0.4 %	1.2 %	0.7 %	0.5 %	0.6 %	0.6 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: eWG2116380-6 WG2116380
 Analysis started at: 9/18/2025 12:35:14 PM
 Rack: 1
 Vial: 33
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0540 ppm	2.1427 ppm	0.1485 ppm	1.0699 ppm	2.1850 ppm	0.0490 ppm	1,061.8797 [SIC 1000]
Concentration per Run	0.0535 ppm	2.1452 ppm	0.1468 ppm	1.0692 ppm	2.1909 ppm	0.0492 ppm	1,065.1943 ppm
Concentration per Run	0.0543 ppm	2.1556 ppm	0.1502 ppm	1.0678 ppm	2.2001 ppm	0.0493 ppm	1,064.2445 ppm
Concentration per Run	0.0541 ppm	2.1274 ppm	0.1483 ppm	1.0728 ppm	2.1638 ppm	0.0486 ppm	1,056.2002 ppm
Concentration RSD	0.8 %	0.7 %	1.1 %	0.2 %	0.9 %	0.8 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0367 ppm	0.4567 ppm	0.1915 ppm	0.2631 ppm	10.2008 ppm	23.4785 ppm	0.0320 ppm
Concentration per Run	0.0365 ppm	0.4555 ppm	0.1912 ppm	0.2619 ppm	10.2173 ppm	23.5159 ppm	0.0214 ppm
Concentration per Run	0.0369 ppm	0.4556 ppm	0.1911 ppm	0.2633 ppm	10.2958 ppm	23.6397 ppm	0.0517 ppm
Concentration per Run	0.0368 ppm	0.4591 ppm	0.1921 ppm	0.2640 ppm	10.0893 ppm	23.2798 ppm	0.0228 ppm
Concentration RSD	0.5 %	0.5 %	0.3 %	0.4 %	1.0 %	0.8 %	53.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	192.5287 ppm	2.4812 ppm	1.0213 ppm	287.2372 ppm	0.4669 ppm	0.5284 ppm	0.3455 ppm
Concentration per Run	192.1473 ppm	2.4856 ppm	1.0075 ppm	285.9097 ppm	0.4663 ppm	0.5280 ppm	0.3429 ppm
Concentration per Run	192.4646 ppm	2.4863 ppm	1.0212 ppm	287.2174 ppm	0.4674 ppm	0.5284 ppm	0.3483 ppm
Concentration per Run	192.9742 ppm	2.4716 ppm	1.0350 ppm	288.5843 ppm	0.4669 ppm	0.5289 ppm	0.3453 ppm
Concentration RSD	0.2 %	0.3 %	1.3 %	0.5 %	0.1 %	0.1 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1371 ppm	1.0740 ppm	0.9051 ppm	6.8051 ppm	1.0084 ppm	0.1155 ppm	0.5171 ppm
Concentration per Run	0.1344 ppm	1.0708 ppm	0.8997 ppm	6.8308 ppm	1.0064 ppm	0.1156 ppm	0.5160 ppm
Concentration per Run	0.1399 ppm	1.0730 ppm	0.9054 ppm	6.8192 ppm	1.0064 ppm	0.1154 ppm	0.5175 ppm
Concentration per Run	0.1369 ppm	1.0783 ppm	0.9103 ppm	6.7652 ppm	1.0124 ppm	0.1154 ppm	0.5178 ppm
Concentration RSD	2.0 %	0.4 %	0.6 %	0.5 %	0.3 %	0.1 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4604 ppm	86.2753 %	92.2659 %	73.3573 %	85.2429 %	92.3639 %	82.7707 %
Concentration per Run	0.4598 ppm	86.7525 %	91.6370 %	73.6137 %	85.6445 %	91.4065 %	82.7976 %
Concentration per Run	0.4595 ppm	86.2349 %	91.7934 %	73.2754 %	85.2193 %	92.2566 %	82.7315 %
Concentration per Run	0.4619 ppm	85.8386 %	93.3673 %	73.1829 %	84.8650 %	93.4286 %	82.7829 %
Concentration RSD	0.3 %	0.5 %	1.0 %	0.3 %	0.5 %	1.1 %	0.0 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: eWG2116380-7d5 WG2116380
 Analysis started at: 9/18/2025 12:38:39 PM
 Rack: 1
 Vial: 34
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0090 ppm	0.0012 ppm	0.0154 ppm	0.0365 ppm	0.0000 ppm	221.9564 ppm
Concentration per Run	-0.0003 ppm	-0.0102 ppm	0.0022 ppm	0.0158 ppm	0.0368 ppm	0.0000 ppm	222.6056 ppm
Concentration per Run	-0.0001 ppm	-0.0179 ppm	0.0008 ppm	0.0164 ppm	0.0362 ppm	0.0000 ppm	221.1974 ppm
Concentration per Run	-0.0003 ppm	0.0011 ppm	0.0005 ppm	0.0140 ppm	0.0366 ppm	0.0000 ppm	222.0661 ppm
Concentration RSD	58.2 %	106.2 %	79.0 %	8.1 %	0.8 %	107.0 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0025 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm	1.8453 ppm	2.2591 ppm	0.0041 ppm
Concentration per Run	-0.0025 ppm	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	1.8469 ppm	2.2977 ppm	0.0038 ppm
Concentration per Run	-0.0025 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	1.8276 ppm	2.2304 ppm	0.0036 ppm
Concentration per Run	-0.0025 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm	1.8615 ppm	2.2492 ppm	0.0049 ppm
Concentration RSD	0.9 %	136.4 %	174.3 %	75.8 %	0.9 %	1.5 %	18.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	36.2405 ppm	0.4002 ppm	0.0394 ppm	54.7856 ppm	-0.0002 ppm	-0.0003 ppm	0.0685 ppm
Concentration per Run	36.0864 ppm	0.4019 ppm	0.0393 ppm	54.9305 ppm	-0.0001 ppm	0.0002 ppm	0.0673 ppm
Concentration per Run	36.2943 ppm	0.3974 ppm	0.0400 ppm	54.5644 ppm	0.0003 ppm	-0.0003 ppm	0.0709 ppm
Concentration per Run	36.3407 ppm	0.4012 ppm	0.0387 ppm	54.8620 ppm	-0.0009 ppm	-0.0009 ppm	0.0672 ppm
Concentration RSD	0.4 %	0.6 %	1.7 %	0.4 %	275.5 %	181.9 %	3.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0008 ppm	0.0172 ppm	0.0350 ppm	1.1392 ppm	0.0015 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	-0.0016 ppm	0.0174 ppm	0.0358 ppm	1.1356 ppm	0.0014 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run	0.0014 ppm	0.0162 ppm	0.0348 ppm	1.1373 ppm	0.0016 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run	0.0025 ppm	0.0179 ppm	0.0343 ppm	1.1447 ppm	0.0016 ppm	0.0004 ppm	-0.0003 ppm
Concentration RSD	275.4 %	4.9 %	2.2 %	0.4 %	9.5 %	62.5 %	584.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	96.4405 %	97.0836 %	88.2412 %	95.4644 %	96.9055 %	94.3039 %
Concentration per Run	0.0002 ppm	96.5181 %	96.5376 %	88.1787 %	95.2739 %	96.4093 %	94.1098 %
Concentration per Run	0.0001 ppm	96.2990 %	97.7410 %	88.0326 %	95.5684 %	97.3108 %	94.1943 %
Concentration per Run	0.0003 ppm	96.5044 %	96.9721 %	88.5123 %	95.5510 %	96.9964 %	94.6077 %
Concentration RSD	45.4 %	0.1 %	0.6 %	0.3 %	0.2 %	0.5 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
Analysis started at: 9/18/2025 12:42:05 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4927 ppm	0.4869 ppm	0.4866 ppm	0.4946 ppm	0.4972 ppm	0.5217 ppm	0.5496 ppm
Concentration per Run	0.4961 ppm	0.4840 ppm	0.4875 ppm	0.4990 ppm	0.4973 ppm	0.5209 ppm	0.5483 ppm
Concentration per Run	0.4902 ppm	0.4885 ppm	0.4866 ppm	0.4932 ppm	0.4990 ppm	0.5230 ppm	0.5485 ppm
Concentration per Run	0.4919 ppm	0.4881 ppm	0.4858 ppm	0.4917 ppm	0.4952 ppm	0.5212 ppm	0.5519 ppm
Recovery Percentage	98.543 %	97.376 %	97.326 %	98.928 %	99.436 %	104.344 %	109.914 %
Concentration RSD	0.6 %	0.5 %	0.2 %	0.8 %	0.4 %	0.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5131 ppm	0.5084 ppm	0.5099 ppm	0.5119 ppm	0.5103 ppm	5.1844 ppm	0.5397 ppm
Concentration per Run	0.5182 ppm	0.5100 ppm	0.5153 ppm	0.5147 ppm	0.5099 ppm	5.1758 ppm	0.5350 ppm
Concentration per Run	0.5079 ppm	0.5065 ppm	0.5067 ppm	0.5100 ppm	0.5109 ppm	5.1969 ppm	0.5452 ppm
Concentration per Run	0.5132 ppm	0.5087 ppm	0.5076 ppm	0.5109 ppm	0.5102 ppm	5.1806 ppm	0.5389 ppm
Recovery Percentage	102.624 %	101.682 %	101.970 %	102.370 %	102.067 %	103.688 %	107.934 %
Concentration RSD	1.0 %	0.3 %	0.9 %	0.5 %	0.1 %	0.2 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5137 ppm	0.5190 ppm	0.5045 ppm	10.4297 ppm	0.5193 ppm	0.5019 ppm	0.5330 ppm
Concentration per Run	0.5196 ppm	0.5181 ppm	0.5073 ppm	10.3730 ppm	0.5279 ppm	0.4993 ppm	0.5389 ppm
Concentration per Run	0.5093 ppm	0.5199 ppm	0.5010 ppm	10.4798 ppm	0.5134 ppm	0.5039 ppm	0.5278 ppm
Concentration per Run	0.5124 ppm	0.5189 ppm	0.5051 ppm	10.4361 ppm	0.5167 ppm	0.5025 ppm	0.5322 ppm
Recovery Percentage	102.750 %	103.794 %	100.899 %	104.297 %	103.863 %	100.381 %	106.598 %
Concentration RSD	1.0 %	0.2 %	0.6 %	0.5 %	1.5 %	0.5 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4910 ppm	5.4763 ppm	0.5153 ppm	0.5171 ppm	0.5080 ppm	0.5143 ppm	0.5135 ppm
Concentration per Run	0.4903 ppm	5.5110 ppm	0.5243 ppm	0.5183 ppm	0.5132 ppm	0.5141 ppm	0.5162 ppm
Concentration per Run	0.4900 ppm	5.4458 ppm	0.5080 ppm	0.5167 ppm	0.5061 ppm	0.5142 ppm	0.5113 ppm
Concentration per Run	0.4928 ppm	5.4720 ppm	0.5135 ppm	0.5164 ppm	0.5047 ppm	0.5147 ppm	0.5132 ppm
Recovery Percentage	98.200 %	104.310 %	103.051 %	103.424 %	101.602 %	102.863 %	102.708 %
Concentration RSD	0.3 %	0.6 %	1.6 %	0.2 %	0.9 %	0.1 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5077 ppm	105.2484 %	101.8744 %	99.8281 %	104.3515 %	101.5885 %	102.1197 %
Concentration per Run	0.5153 ppm	104.9235 %	102.5020 %	100.2817 %	104.5946 %	101.7260 %	102.3945 %
Concentration per Run	0.5016 ppm	105.6880 %	101.6654 %	99.6671 %	104.5196 %	101.4996 %	102.3674 %
Concentration per Run	0.5063 ppm	105.1337 %	101.4558 %	99.5355 %	103.9403 %	101.5398 %	101.5971 %
Recovery Percentage	101.542 %						
Concentration RSD	1.4 %	0.4 %	0.5 %	0.4 %	0.3 %	0.1 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 12:45:30 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0050 ppm	0.0005 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0176 ppm
Concentration per Run	0.0000 ppm	-0.0033 ppm	0.0014 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0182 ppm
Concentration per Run	0.0003 ppm	-0.0053 ppm	0.0004 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm	0.0173 ppm
Concentration per Run	0.0001 ppm	-0.0064 ppm	-0.0004 ppm	0.0011 ppm	0.0001 ppm	0.0001 ppm	0.0172 ppm
Recovery Percentage	2.067 %	-4.993 %	9.895 %	2.471 %	0.812 %	1.923 %	17.577 %
Concentration RSD	136.5 %	31.4 %	181.8 %	38.6 %	34.1 %	9.7 %	3.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0021 ppm	0.0203 ppm	0.0005 ppm
Concentration per Run	0.0002 ppm	-0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0021 ppm	0.0302 ppm	0.0009 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0023 ppm	0.0185 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.0018 ppm	0.0121 ppm	0.0001 ppm
Recovery Percentage	2.681 %	0.046 %	2.456 %	-1.062 %	4.101 %	0.811 %	4.570 %
Concentration RSD	79.9 %	3,589.7 %	74.7 %	10.4 %	12.0 %	45.2 %	88.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0041 ppm	0.0002 ppm	0.0074 ppm	0.0365 ppm	-0.0003 ppm	-0.0005 ppm	0.0095 ppm
Concentration per Run	0.0032 ppm	0.0000 ppm	0.0071 ppm	0.0380 ppm	-0.0008 ppm	-0.0003 ppm	0.0092 ppm
Concentration per Run	0.0042 ppm	0.0002 ppm	0.0072 ppm	0.0350 ppm	-0.0002 ppm	-0.0002 ppm	0.0080 ppm
Concentration per Run	0.0047 ppm	0.0003 ppm	0.0078 ppm	0.0365 ppm	0.0000 ppm	-0.0011 ppm	0.0113 ppm
Recovery Percentage	4.054 %	1.611 %	14.793 %	1.825 %	-1.355 %	-5.310 %	18.951 %
Concentration RSD	18.7 %	80.2 %	5.1 %	4.2 %	124.7 %	90.3 %	17.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0044 ppm	0.0007 ppm	0.0057 ppm	0.0001 ppm	0.0009 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0048 ppm	0.0010 ppm	0.0058 ppm	0.0002 ppm	0.0008 ppm	0.0022 ppm	0.0001 ppm
Concentration per Run	0.0049 ppm	0.0000 ppm	0.0058 ppm	0.0002 ppm	0.0011 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run	0.0036 ppm	0.0012 ppm	0.0056 ppm	0.0001 ppm	0.0010 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage	44.322 %	0.145 %	11.453 %	1.427 %	9.403 %	4.416 %	0.805 %
Concentration RSD	16.4 %	91.0 %	1.9 %	27.6 %	16.1 %	131.5 %	15.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	104.6815 %	99.7207 %	100.9662 %	105.3735 %	100.7494 %	102.5700 %
Concentration per Run	0.0000 ppm	104.6076 %	99.3116 %	100.8069 %	105.2973 %	101.1225 %	102.3825 %
Concentration per Run	0.0002 ppm	104.6695 %	100.0357 %	101.1957 %	105.3546 %	101.1577 %	102.8449 %
Concentration per Run	0.0003 ppm	104.7672 %	99.8147 %	100.8960 %	105.4688 %	99.9679 %	102.4825 %
Recovery Percentage	3.024 %						
Concentration RSD	82.6 %	0.1 %	0.4 %	0.2 %	0.1 %	0.7 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2558409-01 WG2116380
 Analysis started at: 9/18/2025 12:49:01 PM
 Rack: 1
 Vial: 35
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0029 ppm	0.0006 ppm	0.0006 ppm	0.0005 ppm	0.0000 ppm	0.5729 ppm
Concentration per Run	0.0000 ppm	-0.0035 ppm	0.0015 ppm	0.0008 ppm	0.0005 ppm	0.0000 ppm	0.5725 ppm
Concentration per Run	-0.0002 ppm	-0.0031 ppm	0.0012 ppm	0.0008 ppm	0.0005 ppm	0.0000 ppm	0.5763 ppm
Concentration per Run	0.0000 ppm	-0.0019 ppm	-0.0009 ppm	0.0003 ppm	0.0005 ppm	0.0000 ppm	0.5699 ppm
Concentration RSD	112.5 %	30.1 %	211.8 %	48.6 %	3.5 %	98.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0005 ppm	0.0017 ppm	0.0603 ppm	-0.0005 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0019 ppm	0.0658 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0004 ppm	0.0016 ppm	0.0587 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0007 ppm	0.0016 ppm	0.0562 ppm	-0.0013 ppm
Concentration RSD	343.8 %	3,286.4 %	57.1 %	36.4 %	8.5 %	8.3 %	163.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0562 ppm	0.0007 ppm	0.0023 ppm	4.0360 ppm	-0.0002 ppm	-0.0003 ppm	0.0010 ppm
Concentration per Run	0.0568 ppm	0.0006 ppm	0.0021 ppm	4.0365 ppm	-0.0001 ppm	-0.0007 ppm	0.0021 ppm
Concentration per Run	0.0548 ppm	0.0007 ppm	0.0025 ppm	4.0537 ppm	-0.0004 ppm	-0.0001 ppm	0.0017 ppm
Concentration per Run	0.0569 ppm	0.0007 ppm	0.0024 ppm	4.0178 ppm	-0.0001 ppm	-0.0001 ppm	-0.0007 ppm
Concentration RSD	2.2 %	7.6 %	7.8 %	0.4 %	85.0 %	105.9 %	150.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0006 ppm	0.0418 ppm	0.0001 ppm	0.0016 ppm	0.0005 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run	-0.0015 ppm	0.0413 ppm	0.0001 ppm	0.0017 ppm	0.0006 ppm	0.0014 ppm	0.0002 ppm
Concentration per Run	-0.0008 ppm	0.0416 ppm	-0.0002 ppm	0.0016 ppm	0.0004 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run	0.0006 ppm	0.0426 ppm	0.0004 ppm	0.0016 ppm	0.0005 ppm	0.0008 ppm	-0.0001 ppm
Concentration RSD	189.7 %	1.7 %	281.5 %	2.4 %	19.4 %	32.1 %	175.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0015 ppm	107.3428 %	103.1308 %	104.3808 %	107.0062 %	103.2780 %	103.8659 %
Concentration per Run	0.0015 ppm	107.3188 %	102.6584 %	104.5425 %	106.8393 %	102.9305 %	103.9720 %
Concentration per Run	0.0014 ppm	107.5600 %	101.9862 %	104.5733 %	107.3074 %	102.5062 %	103.8844 %
Concentration per Run	0.0015 ppm	107.1496 %	104.7478 %	104.0266 %	106.8718 %	104.3974 %	103.7413 %
Concentration RSD	3.4 %	0.2 %	1.4 %	0.3 %	0.2 %	1.0 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2558780-13 WG2116380
 Analysis started at: 9/18/2025 12:52:28 PM
 Rack: 1
 Vial: 36
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	2.8960 ppm	0.0601 ppm	0.0996 ppm	0.0903 ppm	0.0006 ppm	56.6922 ppm
Concentration per Run	0.0000 ppm	2.9114 ppm	0.0610 ppm	0.0995 ppm	0.0901 ppm	0.0006 ppm	56.8077 ppm
Concentration per Run	0.0003 ppm	2.8953 ppm	0.0593 ppm	0.0995 ppm	0.0900 ppm	0.0006 ppm	56.7467 ppm
Concentration per Run	-0.0001 ppm	2.8812 ppm	0.0601 ppm	0.1000 ppm	0.0909 ppm	0.0006 ppm	56.5222 ppm
Concentration RSD	392.8 %	0.5 %	1.4 %	0.3 %	0.5 %	1.2 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	0.0061 ppm	0.0051 ppm	0.0412 ppm	9.5855 ppm	6.4313 ppm	0.0069 ppm
Concentration per Run	-0.0002 ppm	0.0065 ppm	0.0051 ppm	0.0414 ppm	9.5386 ppm	6.4414 ppm	0.0085 ppm
Concentration per Run	-0.0002 ppm	0.0065 ppm	0.0052 ppm	0.0410 ppm	9.6330 ppm	6.4265 ppm	0.0057 ppm
Concentration per Run	-0.0002 ppm	0.0054 ppm	0.0050 ppm	0.0413 ppm	9.5849 ppm	6.4259 ppm	0.0064 ppm
Concentration RSD	11.9 %	10.0 %	2.1 %	0.6 %	0.5 %	0.1 %	20.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	8.1592 ppm	0.6959 ppm	0.0054 ppm	33.3066 ppm	0.0094 ppm	0.0819 ppm	0.0027 ppm
Concentration per Run	8.1760 ppm	0.6974 ppm	0.0055 ppm	33.5039 ppm	0.0099 ppm	0.0819 ppm	0.0024 ppm
Concentration per Run	8.1504 ppm	0.6953 ppm	0.0053 ppm	33.2080 ppm	0.0092 ppm	0.0813 ppm	0.0015 ppm
Concentration per Run	8.1511 ppm	0.6949 ppm	0.0055 ppm	33.2077 ppm	0.0090 ppm	0.0825 ppm	0.0041 ppm
Concentration RSD	0.2 %	0.2 %	2.0 %	0.5 %	5.4 %	0.7 %	49.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0013 ppm	13.0597 ppm	0.0903 ppm	0.2457 ppm	0.1211 ppm	0.0015 ppm	0.0115 ppm
Concentration per Run	0.0021 ppm	13.2316 ppm	0.0910 ppm	0.2452 ppm	0.1194 ppm	0.0011 ppm	0.0116 ppm
Concentration per Run	0.0016 ppm	13.0550 ppm	0.0907 ppm	0.2468 ppm	0.1252 ppm	0.0019 ppm	0.0114 ppm
Concentration per Run	0.0004 ppm	12.8925 ppm	0.0891 ppm	0.2451 ppm	0.1186 ppm	0.0015 ppm	0.0114 ppm
Concentration RSD	64.5 %	1.3 %	1.1 %	0.4 %	3.0 %	25.6 %	1.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1386 ppm	103.7047 %	102.9844 %	96.0898 %	103.8704 %	103.4133 %	101.4900 %
Concentration per Run	0.1398 ppm	104.3267 %	102.6383 %	96.4713 %	104.6451 %	103.4402 %	101.8336 %
Concentration per Run	0.1387 ppm	103.2586 %	103.1670 %	95.6996 %	103.5658 %	103.4496 %	100.6720 %
Concentration per Run	0.1373 ppm	103.5289 %	103.1480 %	96.0986 %	103.4003 %	103.3500 %	101.9643 %
Concentration RSD	0.9 %	0.5 %	0.3 %	0.4 %	0.7 %	0.1 %	0.7 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2558445-01d2 WG2116380
 Analysis started at: 9/18/2025 12:55:54 PM
 Rack: 1
 Vial: 37
 Comment: Ca over SIC

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0005 ppm	-0.0028 ppm	0.0031 ppm	0.0323 ppm	0.0976 ppm	0.0000 ppm	569.8492 ppm
Concentration per Run	-0.0004 ppm	-0.0035 ppm	0.0036 ppm	0.0325 ppm	0.0977 ppm	0.0000 ppm	568.9340 ppm
Concentration per Run	-0.0006 ppm	-0.0029 ppm	0.0035 ppm	0.0328 ppm	0.0976 ppm	0.0001 ppm	573.2556 ppm
Concentration per Run	-0.0005 ppm	-0.0018 ppm	0.0022 ppm	0.0315 ppm	0.0976 ppm	0.0000 ppm	567.3581 ppm
Concentration RSD	12.7 %	31.6 %	24.6 %	2.0 %	0.1 %	45.0 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0066 ppm	0.0002 ppm	-0.0001 ppm	-0.0003 ppm	4.8012 ppm	6.0632 ppm	0.0198 ppm
Concentration per Run	-0.0065 ppm	0.0006 ppm	0.0000 ppm	-0.0005 ppm	4.8010 ppm	6.0800 ppm	0.0199 ppm
Concentration per Run	-0.0067 ppm	0.0001 ppm	-0.0002 ppm	-0.0002 ppm	4.7968 ppm	6.0481 ppm	0.0239 ppm
Concentration per Run	-0.0065 ppm	0.0000 ppm	-0.0002 ppm	-0.0003 ppm	4.8059 ppm	6.0614 ppm	0.0156 ppm
Concentration RSD	1.5 %	123.8 %	84.7 %	57.0 %	0.1 %	0.3 %	21.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	95.6653 ppm	1.0531 ppm	0.0435 ppm	145.3980 ppm	-0.0003 ppm	-0.0003 ppm	0.0037 ppm
Concentration per Run	95.5287 ppm	1.0545 ppm	0.0429 ppm	145.1676 ppm	0.0000 ppm	-0.0008 ppm	0.0026 ppm
Concentration per Run	95.7671 ppm	1.0583 ppm	0.0433 ppm	145.4956 ppm	-0.0004 ppm	-0.0012 ppm	0.0030 ppm
Concentration per Run	95.7001 ppm	1.0465 ppm	0.0443 ppm	145.5308 ppm	-0.0005 ppm	0.0011 ppm	0.0055 ppm
Concentration RSD	0.1 %	0.6 %	1.7 %	0.1 %	94.6 %	406.9 %	43.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0006 ppm	0.0464 ppm	0.0009 ppm	3.0232 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run	-0.0002 ppm	0.0466 ppm	0.0011 ppm	3.0142 ppm	-0.0004 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run	0.0023 ppm	0.0473 ppm	0.0007 ppm	3.0337 ppm	-0.0003 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run	-0.0003 ppm	0.0452 ppm	0.0011 ppm	3.0217 ppm	-0.0002 ppm	0.0002 ppm	-0.0001 ppm
Concentration RSD	239.8 %	2.4 %	25.7 %	0.3 %	34.4 %	521.8 %	271.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	91.5650 %	94.5326 %	80.5401 %	90.8193 %	94.6321 %	88.1867 %
Concentration per Run	0.0000 ppm	91.8263 %	94.6446 %	80.2735 %	90.9222 %	94.3621 %	88.1181 %
Concentration per Run	-0.0001 ppm	91.2408 %	94.1340 %	80.5128 %	90.6410 %	94.7270 %	88.0981 %
Concentration per Run	0.0001 ppm	91.6278 %	94.8194 %	80.8339 %	90.8946 %	94.8072 %	88.3440 %
Concentration RSD	1,780.3 %	0.3 %	0.4 %	0.3 %	0.2 %	0.3 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116380-4d2 WG2116380
 Analysis started at: 9/18/2025 12:59:18 PM
 Rack: 1
 Vial: 38
 Comment: Ca over SIC

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0263 ppm	1.0726 ppm	0.0706 ppm	0.5506 ppm	1.1206 ppm	0.0255 ppm	577.4467 ppm
Concentration per Run	0.0268 ppm	1.0642 ppm	0.0691 ppm	0.5517 ppm	1.1168 ppm	0.0254 ppm	573.6876 ppm
Concentration per Run	0.0264 ppm	1.0762 ppm	0.0708 ppm	0.5545 ppm	1.1185 ppm	0.0257 ppm	581.2163 ppm
Concentration per Run	0.0257 ppm	1.0776 ppm	0.0719 ppm	0.5455 ppm	1.1263 ppm	0.0255 ppm	577.4362 ppm
Concentration RSD	2.2 %	0.7 %	2.0 %	0.8 %	0.4 %	0.5 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0191 ppm	0.2377 ppm	0.0982 ppm	0.1322 ppm	5.0696 ppm	11.7567 ppm	0.0120 ppm
Concentration per Run	0.0192 ppm	0.2383 ppm	0.0985 ppm	0.1327 ppm	5.0471 ppm	11.6940 ppm	0.0170 ppm
Concentration per Run	0.0193 ppm	0.2385 ppm	0.0985 ppm	0.1329 ppm	5.0965 ppm	11.7312 ppm	0.0070 ppm
Concentration per Run	0.0189 ppm	0.2362 ppm	0.0976 ppm	0.1311 ppm	5.0652 ppm	11.8449 ppm	0.0121 ppm
Concentration RSD	1.1 %	0.5 %	0.5 %	0.8 %	0.5 %	0.7 %	41.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	100.8976 ppm	1.3079 ppm	0.5422 ppm	150.9654 ppm	0.2428 ppm	0.2652 ppm	0.2645 ppm
Concentration per Run	101.0522 ppm	1.3047 ppm	0.5405 ppm	149.9717 ppm	0.2439 ppm	0.2660 ppm	0.2644 ppm
Concentration per Run	101.2112 ppm	1.3101 ppm	0.5457 ppm	151.0990 ppm	0.2441 ppm	0.2640 ppm	0.2688 ppm
Concentration per Run	100.4293 ppm	1.3089 ppm	0.5403 ppm	151.8256 ppm	0.2404 ppm	0.2656 ppm	0.2602 ppm
Concentration RSD	0.4 %	0.2 %	0.6 %	0.6 %	0.9 %	0.4 %	1.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0665 ppm	0.5787 ppm	0.4799 ppm	3.5336 ppm	0.5195 ppm	0.0585 ppm	0.2628 ppm
Concentration per Run	0.0650 ppm	0.5804 ppm	0.4833 ppm	3.5277 ppm	0.5220 ppm	0.0577 ppm	0.2632 ppm
Concentration per Run	0.0687 ppm	0.5808 ppm	0.4809 ppm	3.5290 ppm	0.5189 ppm	0.0594 ppm	0.2633 ppm
Concentration per Run	0.0658 ppm	0.5749 ppm	0.4754 ppm	3.5440 ppm	0.5177 ppm	0.0584 ppm	0.2621 ppm
Concentration RSD	2.9 %	0.6 %	0.8 %	0.3 %	0.4 %	1.5 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2410 ppm	91.7186 %	95.1126 %	80.3206 %	90.5897 %	94.5032 %	88.3000 %
Concentration per Run	0.2426 ppm	91.6232 %	95.8617 %	80.0280 %	90.7226 %	94.9759 %	88.1424 %
Concentration per Run	0.2409 ppm	91.5049 %	94.4472 %	80.6854 %	90.2410 %	93.9632 %	88.6200 %
Concentration per Run	0.2394 ppm	92.0278 %	95.0289 %	80.2485 %	90.8055 %	94.5705 %	88.1376 %
Concentration RSD	0.7 %	0.3 %	0.7 %	0.4 %	0.3 %	0.5 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116380-4d2 WG2116380
 Analysis started at: 9/18/2025 1:02:41 PM
 Rack: 1
 Vial: 39
 Comment: Ca over SIC

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0264 ppm	1.0844 ppm	0.0710 ppm	0.5466 ppm	1.1211 ppm	0.0256 ppm	575.9625 ppm
Concentration per Run	0.0264 ppm	1.0772 ppm	0.0705 ppm	0.5459 ppm	1.1176 ppm	0.0254 ppm	571.2121 ppm
Concentration per Run	0.0267 ppm	1.0912 ppm	0.0715 ppm	0.5478 ppm	1.1219 ppm	0.0256 ppm	576.5619 ppm
Concentration per Run	0.0262 ppm	1.0848 ppm	0.0709 ppm	0.5461 ppm	1.1239 ppm	0.0257 ppm	580.1136 ppm
Concentration RSD	1.0 %	0.6 %	0.7 %	0.2 %	0.3 %	0.7 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0189 ppm	0.2362 ppm	0.0981 ppm	0.1313 ppm	5.0803 ppm	11.7767 ppm	0.0170 ppm
Concentration per Run	0.0190 ppm	0.2350 ppm	0.0975 ppm	0.1318 ppm	5.0534 ppm	11.7104 ppm	0.0207 ppm
Concentration per Run	0.0189 ppm	0.2378 ppm	0.0992 ppm	0.1311 ppm	5.0890 ppm	11.8001 ppm	0.0182 ppm
Concentration per Run	0.0187 ppm	0.2357 ppm	0.0976 ppm	0.1309 ppm	5.0985 ppm	11.8196 ppm	0.0123 ppm
Concentration RSD	0.9 %	0.6 %	1.0 %	0.3 %	0.5 %	0.5 %	25.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	100.8025 ppm	1.3065 ppm	0.5462 ppm	150.8680 ppm	0.2430 ppm	0.2663 ppm	0.2616 ppm
Concentration per Run	100.6775 ppm	1.3039 ppm	0.5418 ppm	149.7975 ppm	0.2421 ppm	0.2683 ppm	0.2606 ppm
Concentration per Run	101.1745 ppm	1.3061 ppm	0.5482 ppm	150.6318 ppm	0.2440 ppm	0.2656 ppm	0.2655 ppm
Concentration per Run	100.5554 ppm	1.3095 ppm	0.5486 ppm	152.1747 ppm	0.2429 ppm	0.2650 ppm	0.2589 ppm
Concentration RSD	0.3 %	0.2 %	0.7 %	0.8 %	0.4 %	0.7 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0654 ppm	0.5742 ppm	0.4746 ppm	3.5255 ppm	0.5168 ppm	0.0589 ppm	0.2616 ppm
Concentration per Run	0.0664 ppm	0.5750 ppm	0.4746 ppm	3.5134 ppm	0.5168 ppm	0.0588 ppm	0.2620 ppm
Concentration per Run	0.0653 ppm	0.5781 ppm	0.4751 ppm	3.5320 ppm	0.5178 ppm	0.0599 ppm	0.2621 ppm
Concentration per Run	0.0646 ppm	0.5696 ppm	0.4741 ppm	3.5313 ppm	0.5157 ppm	0.0581 ppm	0.2608 ppm
Concentration RSD	1.4 %	0.7 %	0.1 %	0.3 %	0.2 %	1.5 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2396 ppm	91.4265 %	94.7858 %	80.1190 %	90.3762 %	94.3293 %	88.2196 %
Concentration per Run	0.2384 ppm	91.5915 %	95.3806 %	80.0424 %	90.7523 %	94.3931 %	88.3625 %
Concentration per Run	0.2402 ppm	91.3640 %	94.4986 %	80.2012 %	90.3682 %	94.0298 %	88.2009 %
Concentration per Run	0.2401 ppm	91.3239 %	94.4781 %	80.1133 %	90.0081 %	94.5650 %	88.0952 %
Concentration RSD	0.4 %	0.2 %	0.5 %	0.1 %	0.4 %	0.3 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116380-5d2 WG2116380
Analysis started at: 9/18/2025 1:06:05 PM
Rack: 1
Vial: 40
Comment: Ca over SIC

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0265 ppm	1.0797 ppm	0.0717 ppm	0.5547 ppm	1.1253 ppm	0.0256 ppm	580.0754 ppm
Concentration per Run	0.0263 ppm	1.0842 ppm	0.0710 ppm	0.5550 ppm	1.1228 ppm	0.0257 ppm	581.9509 ppm
Concentration per Run	0.0268 ppm	1.0673 ppm	0.0711 ppm	0.5575 ppm	1.1196 ppm	0.0255 ppm	577.5728 ppm
Concentration per Run	0.0263 ppm	1.0876 ppm	0.0731 ppm	0.5517 ppm	1.1333 ppm	0.0256 ppm	580.7026 ppm
Concentration RSD	1.0 %	1.0 %	1.6 %	0.5 %	0.6 %	0.5 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0190 ppm	0.2394 ppm	0.0990 ppm	0.1328 ppm	5.1022 ppm	11.8181 ppm	0.0234 ppm
Concentration per Run	0.0190 ppm	0.2401 ppm	0.0988 ppm	0.1329 ppm	5.1244 ppm	11.8538 ppm	0.0257 ppm
Concentration per Run	0.0189 ppm	0.2392 ppm	0.0991 ppm	0.1332 ppm	5.0915 ppm	11.7482 ppm	0.0258 ppm
Concentration per Run	0.0191 ppm	0.2390 ppm	0.0990 ppm	0.1322 ppm	5.0907 ppm	11.8524 ppm	0.0187 ppm
Concentration RSD	0.5 %	0.2 %	0.2 %	0.4 %	0.4 %	0.5 %	17.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	101.9013 ppm	1.3157 ppm	0.5527 ppm	151.4415 ppm	0.2452 ppm	0.2687 ppm	0.2667 ppm
Concentration per Run	102.1366 ppm	1.3176 ppm	0.5505 ppm	151.6986 ppm	0.2457 ppm	0.2690 ppm	0.2660 ppm
Concentration per Run	101.7945 ppm	1.3156 ppm	0.5545 ppm	150.2585 ppm	0.2451 ppm	0.2683 ppm	0.2664 ppm
Concentration per Run	101.7728 ppm	1.3137 ppm	0.5531 ppm	152.3673 ppm	0.2449 ppm	0.2689 ppm	0.2677 ppm
Concentration RSD	0.2 %	0.1 %	0.4 %	0.7 %	0.2 %	0.1 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0675 ppm	0.5797 ppm	0.4814 ppm	3.5498 ppm	0.5248 ppm	0.0601 ppm	0.2643 ppm
Concentration per Run	0.0657 ppm	0.5807 ppm	0.4827 ppm	3.5660 ppm	0.5242 ppm	0.0593 ppm	0.2640 ppm
Concentration per Run	0.0675 ppm	0.5829 ppm	0.4839 ppm	3.5349 ppm	0.5257 ppm	0.0604 ppm	0.2649 ppm
Concentration per Run	0.0693 ppm	0.5753 ppm	0.4777 ppm	3.5486 ppm	0.5245 ppm	0.0604 ppm	0.2639 ppm
Concentration RSD	2.6 %	0.7 %	0.7 %	0.4 %	0.2 %	1.1 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2423 ppm	91.3500 %	94.7287 %	79.8880 %	90.6687 %	94.4918 %	87.9686 %
Concentration per Run	0.2414 ppm	91.2100 %	94.5662 %	79.7461 %	90.7604 %	94.9130 %	87.9854 %
Concentration per Run	0.2422 ppm	91.2810 %	94.9180 %	79.9292 %	90.6736 %	94.1061 %	87.9288 %
Concentration per Run	0.2434 ppm	91.5590 %	94.7020 %	79.9888 %	90.5720 %	94.4562 %	87.9918 %
Concentration RSD	0.4 %	0.2 %	0.2 %	0.2 %	0.1 %	0.4 %	0.0 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116380-5d2 WG2116380
 Analysis started at: 9/18/2025 1:09:29 PM
 Rack: 1
 Vial: 41
 Comment: Ca over SIC

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0265 ppm	1.0756 ppm	0.0735 ppm	0.5474 ppm	1.1219 ppm	0.0255 ppm	576.9491 ppm
Concentration per Run	0.0267 ppm	1.0718 ppm	0.0716 ppm	0.5504 ppm	1.1192 ppm	0.0255 ppm	573.6689 ppm
Concentration per Run	0.0265 ppm	1.0784 ppm	0.0726 ppm	0.5411 ppm	1.1218 ppm	0.0256 ppm	580.7030 ppm
Concentration per Run	0.0265 ppm	1.0765 ppm	0.0763 ppm	0.5507 ppm	1.1247 ppm	0.0254 ppm	576.4754 ppm
Concentration RSD	0.4 %	0.3 %	3.3 %	1.0 %	0.2 %	0.2 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0190 ppm	0.2377 ppm	0.0982 ppm	0.1320 ppm	5.0579 ppm	11.7747 ppm	0.0106 ppm
Concentration per Run	0.0191 ppm	0.2391 ppm	0.0993 ppm	0.1326 ppm	5.0334 ppm	11.7617 ppm	0.0109 ppm
Concentration per Run	0.0186 ppm	0.2349 ppm	0.0977 ppm	0.1317 ppm	5.0739 ppm	11.7912 ppm	0.0070 ppm
Concentration per Run	0.0192 ppm	0.2390 ppm	0.0976 ppm	0.1317 ppm	5.0665 ppm	11.7712 ppm	0.0137 ppm
Concentration RSD	1.8 %	1.0 %	1.0 %	0.4 %	0.4 %	0.1 %	31.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	101.0422 ppm	1.3038 ppm	0.5504 ppm	151.0030 ppm	0.2433 ppm	0.2661 ppm	0.2690 ppm
Concentration per Run	101.8696 ppm	1.2963 ppm	0.5494 ppm	149.8796 ppm	0.2454 ppm	0.2663 ppm	0.2675 ppm
Concentration per Run	100.0295 ppm	1.3077 ppm	0.5454 ppm	151.8272 ppm	0.2415 ppm	0.2667 ppm	0.2653 ppm
Concentration per Run	101.2275 ppm	1.3073 ppm	0.5563 ppm	151.3022 ppm	0.2431 ppm	0.2653 ppm	0.2743 ppm
Concentration RSD	0.9 %	0.5 %	1.0 %	0.7 %	0.8 %	0.3 %	1.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0662 ppm	0.5762 ppm	0.4799 ppm	3.5107 ppm	0.5203 ppm	0.0593 ppm	0.2615 ppm
Concentration per Run	0.0652 ppm	0.5791 ppm	0.4855 ppm	3.4989 ppm	0.5216 ppm	0.0590 ppm	0.2626 ppm
Concentration per Run	0.0659 ppm	0.5741 ppm	0.4749 ppm	3.5176 ppm	0.5186 ppm	0.0591 ppm	0.2598 ppm
Concentration per Run	0.0675 ppm	0.5753 ppm	0.4793 ppm	3.5156 ppm	0.5208 ppm	0.0598 ppm	0.2622 ppm
Concentration RSD	1.7 %	0.5 %	1.1 %	0.3 %	0.3 %	0.7 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2411 ppm	91.9097 %	94.7362 %	80.4743 %	90.9410 %	94.3110 %	88.5942 %
Concentration per Run	0.2431 ppm	91.5120 %	94.8743 %	80.3182 %	90.5919 %	94.0585 %	88.4595 %
Concentration per Run	0.2384 ppm	92.7042 %	94.3776 %	80.7721 %	91.4813 %	94.4831 %	88.9414 %
Concentration per Run	0.2417 ppm	91.5128 %	94.9567 %	80.3326 %	90.7497 %	94.3915 %	88.3818 %
Concentration RSD	1.0 %	0.7 %	0.3 %	0.3 %	0.5 %	0.2 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116380-6d2 WG2116380
 Analysis started at: 9/18/2025 1:12:53 PM
 Rack: 1
 Vial: 42
 Comment: Ca over SIC

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0514 ppm	2.0673 ppm	0.1389 ppm	1.0293 ppm	2.0649 ppm	0.0494 ppm	561.0587 ppm
Concentration per Run	0.0517 ppm	2.0685 ppm	0.1373 ppm	1.0301 ppm	2.0586 ppm	0.0491 ppm	558.9672 ppm
Concentration per Run	0.0514 ppm	2.0717 ppm	0.1399 ppm	1.0260 ppm	2.0643 ppm	0.0495 ppm	562.7088 ppm
Concentration per Run	0.0510 ppm	2.0618 ppm	0.1395 ppm	1.0317 ppm	2.0716 ppm	0.0495 ppm	561.5000 ppm
Concentration RSD	0.7 %	0.2 %	1.0 %	0.3 %	0.3 %	0.5 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0430 ppm	0.4583 ppm	0.1902 ppm	0.2560 ppm	5.6430 ppm	16.8649 ppm	0.0171 ppm
Concentration per Run	0.0431 ppm	0.4591 ppm	0.1914 ppm	0.2558 ppm	5.6173 ppm	16.7818 ppm	0.0166 ppm
Concentration per Run	0.0425 ppm	0.4565 ppm	0.1882 ppm	0.2571 ppm	5.6536 ppm	16.8709 ppm	0.0161 ppm
Concentration per Run	0.0434 ppm	0.4593 ppm	0.1912 ppm	0.2552 ppm	5.6580 ppm	16.9421 ppm	0.0186 ppm
Concentration RSD	1.0 %	0.3 %	0.9 %	0.4 %	0.4 %	0.5 %	7.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	101.9626 ppm	1.5074 ppm	1.0059 ppm	150.7146 ppm	0.4690 ppm	0.5188 ppm	0.3770 ppm
Concentration per Run	102.0964 ppm	1.5041 ppm	1.0034 ppm	150.1862 ppm	0.4701 ppm	0.5171 ppm	0.3743 ppm
Concentration per Run	101.4378 ppm	1.5119 ppm	0.9981 ppm	150.6971 ppm	0.4643 ppm	0.5215 ppm	0.3753 ppm
Concentration per Run	102.3537 ppm	1.5063 ppm	1.0162 ppm	151.2606 ppm	0.4725 ppm	0.5180 ppm	0.3816 ppm
Concentration RSD	0.5 %	0.3 %	0.9 %	0.4 %	0.9 %	0.4 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1318 ppm	0.9870 ppm	0.9290 ppm	3.9099 ppm	0.9980 ppm	0.1166 ppm	0.5096 ppm
Concentration per Run	0.1285 ppm	0.9888 ppm	0.9349 ppm	3.8912 ppm	0.9994 ppm	0.1156 ppm	0.5092 ppm
Concentration per Run	0.1321 ppm	0.9819 ppm	0.9146 ppm	3.9005 ppm	0.9942 ppm	0.1162 ppm	0.5090 ppm
Concentration per Run	0.1347 ppm	0.9904 ppm	0.9376 ppm	3.9382 ppm	1.0004 ppm	0.1179 ppm	0.5108 ppm
Concentration RSD	2.4 %	0.5 %	1.4 %	0.6 %	0.3 %	1.1 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4625 ppm	91.6531 %	95.0204 %	79.9819 %	90.6797 %	94.2700 %	88.4993 %
Concentration per Run	0.4639 ppm	91.6106 %	95.3336 %	80.0302 %	90.7572 %	94.3831 %	88.4804 %
Concentration per Run	0.4559 ppm	91.9296 %	95.2184 %	79.8117 %	90.9252 %	94.4372 %	88.5922 %
Concentration per Run	0.4678 ppm	91.4193 %	94.5093 %	80.1038 %	90.3568 %	93.9897 %	88.4255 %
Concentration RSD	1.3 %	0.3 %	0.5 %	0.2 %	0.3 %	0.3 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116380-7d10 WG2116380
 Analysis started at: 9/18/2025 1:16:18 PM
 Rack: 1
 Vial: 43
 Comment: Ca over SIC

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0076 ppm	0.0012 ppm	0.0090 ppm	0.0193 ppm	0.0000 ppm	118.0548 ppm
Concentration per Run	0.0000 ppm	-0.0113 ppm	0.0018 ppm	0.0100 ppm	0.0193 ppm	0.0000 ppm	119.0122 ppm
Concentration per Run	-0.0001 ppm	-0.0063 ppm	0.0009 ppm	0.0082 ppm	0.0193 ppm	0.0000 ppm	117.6619 ppm
Concentration per Run	-0.0002 ppm	-0.0052 ppm	0.0009 ppm	0.0086 ppm	0.0192 ppm	0.0000 ppm	117.4905 ppm
Concentration RSD	95.8 %	43.0 %	40.7 %	10.7 %	0.2 %	122.0 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0013 ppm	-0.0003 ppm	0.0004 ppm	-0.0003 ppm	0.9686 ppm	1.1771 ppm	0.0047 ppm
Concentration per Run	-0.0012 ppm	-0.0003 ppm	0.0001 ppm	-0.0002 ppm	0.9748 ppm	1.1978 ppm	0.0037 ppm
Concentration per Run	-0.0013 ppm	-0.0003 ppm	0.0004 ppm	-0.0003 ppm	0.9607 ppm	1.1748 ppm	0.0049 ppm
Concentration per Run	-0.0013 ppm	-0.0003 ppm	0.0006 ppm	-0.0004 ppm	0.9703 ppm	1.1588 ppm	0.0055 ppm
Concentration RSD	2.0 %	11.2 %	63.6 %	43.7 %	0.7 %	1.7 %	18.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	19.2046 ppm	0.2114 ppm	0.0216 ppm	28.7867 ppm	-0.0003 ppm	-0.0008 ppm	0.0506 ppm
Concentration per Run	19.1388 ppm	0.2127 ppm	0.0218 ppm	28.7780 ppm	-0.0009 ppm	-0.0018 ppm	0.0508 ppm
Concentration per Run	19.2306 ppm	0.2105 ppm	0.0215 ppm	28.8807 ppm	-0.0002 ppm	-0.0005 ppm	0.0506 ppm
Concentration per Run	19.2444 ppm	0.2109 ppm	0.0216 ppm	28.7014 ppm	0.0002 ppm	-0.0002 ppm	0.0505 ppm
Concentration RSD	0.3 %	0.6 %	0.7 %	0.3 %	177.3 %	100.1 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0011 ppm	0.0077 ppm	0.0077 ppm	0.5957 ppm	0.0009 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0012 ppm	0.0074 ppm	0.0077 ppm	0.5936 ppm	0.0010 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run	0.0012 ppm	0.0082 ppm	0.0083 ppm	0.5941 ppm	0.0010 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run	0.0009 ppm	0.0076 ppm	0.0071 ppm	0.5995 ppm	0.0008 ppm	0.0013 ppm	0.0000 ppm
Concentration RSD	18.6 %	5.3 %	7.5 %	0.5 %	12.0 %	187.5 %	195.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	98.6789 %	98.0434 %	91.8211 %	98.3472 %	97.6005 %	96.8691 %
Concentration per Run	0.0004 ppm	99.3441 %	96.6877 %	91.7129 %	98.8689 %	96.3889 %	97.1658 %
Concentration per Run	0.0004 ppm	98.4155 %	98.7218 %	92.0140 %	98.1957 %	98.1166 %	97.0443 %
Concentration per Run	0.0001 ppm	98.2771 %	98.7207 %	91.7365 %	97.9770 %	98.2961 %	96.3971 %
Concentration RSD	69.4 %	0.6 %	1.2 %	0.2 %	0.5 %	1.1 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
Analysis started at: 9/18/2025 1:19:43 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4922 ppm	0.4845 ppm	0.4861 ppm	0.4977 ppm	0.4983 ppm	0.5198 ppm	0.5286 ppm
Concentration per Run	0.4924 ppm	0.4870 ppm	0.4837 ppm	0.4999 ppm	0.4969 ppm	0.5212 ppm	0.5318 ppm
Concentration per Run	0.4920 ppm	0.4874 ppm	0.4871 ppm	0.4968 ppm	0.4996 ppm	0.5204 ppm	0.5291 ppm
Concentration per Run	0.4920 ppm	0.4791 ppm	0.4874 ppm	0.4963 ppm	0.4984 ppm	0.5178 ppm	0.5248 ppm
Recovery Percentage	98.434 %	96.902 %	97.212 %	99.536 %	99.660 %	103.957 %	105.710 %
Concentration RSD	0.0 %	1.0 %	0.4 %	0.4 %	0.3 %	0.3 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5101 ppm	0.5100 ppm	0.5073 ppm	0.5162 ppm	0.5073 ppm	5.1705 ppm	0.5351 ppm
Concentration per Run	0.5123 ppm	0.5109 ppm	0.5079 ppm	0.5160 ppm	0.5100 ppm	5.1918 ppm	0.5415 ppm
Concentration per Run	0.5089 ppm	0.5095 ppm	0.5067 ppm	0.5168 ppm	0.5070 ppm	5.1547 ppm	0.5320 ppm
Concentration per Run	0.5093 ppm	0.5096 ppm	0.5075 ppm	0.5159 ppm	0.5049 ppm	5.1651 ppm	0.5320 ppm
Recovery Percentage	102.026 %	101.999 %	101.468 %	103.249 %	101.463 %	103.411 %	107.027 %
Concentration RSD	0.4 %	0.2 %	0.1 %	0.1 %	0.5 %	0.4 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5071 ppm	0.5179 ppm	0.5008 ppm	10.3952 ppm	0.5146 ppm	0.4988 ppm	0.5296 ppm
Concentration per Run	0.5111 ppm	0.5206 ppm	0.4989 ppm	10.4233 ppm	0.5159 ppm	0.4988 ppm	0.5252 ppm
Concentration per Run	0.5028 ppm	0.5178 ppm	0.5008 ppm	10.3895 ppm	0.5141 ppm	0.5000 ppm	0.5328 ppm
Concentration per Run	0.5074 ppm	0.5154 ppm	0.5027 ppm	10.3729 ppm	0.5139 ppm	0.4978 ppm	0.5310 ppm
Recovery Percentage	101.416 %	103.581 %	100.157 %	103.952 %	102.926 %	99.769 %	105.928 %
Concentration RSD	0.8 %	0.5 %	0.4 %	0.2 %	0.2 %	0.2 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4908 ppm	5.4484 ppm	0.5084 ppm	0.5170 ppm	0.5076 ppm	0.5119 ppm	0.5129 ppm
Concentration per Run	0.4873 ppm	5.4404 ppm	0.5129 ppm	0.5152 ppm	0.5051 ppm	0.5083 ppm	0.5133 ppm
Concentration per Run	0.4939 ppm	5.4404 ppm	0.5025 ppm	0.5188 ppm	0.5074 ppm	0.5155 ppm	0.5130 ppm
Concentration per Run	0.4912 ppm	5.4644 ppm	0.5097 ppm	0.5169 ppm	0.5103 ppm	0.5120 ppm	0.5125 ppm
Recovery Percentage	98.164 %	103.779 %	101.671 %	103.392 %	101.519 %	102.386 %	102.582 %
Concentration RSD	0.7 %	0.3 %	1.1 %	0.3 %	0.5 %	0.7 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5031 ppm	106.1167 %	101.6726 %	100.2339 %	105.3489 %	100.9943 %	102.6459 %
Concentration per Run	0.5072 ppm	106.0626 %	101.6562 %	100.1593 %	105.1996 %	101.8088 %	102.6789 %
Concentration per Run	0.4990 ppm	106.4786 %	102.2036 %	100.2177 %	105.7776 %	101.3219 %	102.6813 %
Concentration per Run	0.5031 ppm	105.8089 %	101.1579 %	100.3248 %	105.0694 %	99.8521 %	102.5774 %
Recovery Percentage	100.621 %						
Concentration RSD	0.8 %	0.3 %	0.5 %	0.1 %	0.4 %	1.0 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 1:23:08 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0075 ppm	0.0009 ppm	0.0011 ppm	0.0001 ppm	0.0001 ppm	0.0129 ppm
Concentration per Run	0.0000 ppm	-0.0075 ppm	0.0022 ppm	0.0011 ppm	0.0001 ppm	0.0001 ppm	0.0122 ppm
Concentration per Run	-0.0001 ppm	-0.0082 ppm	0.0007 ppm	0.0014 ppm	0.0001 ppm	0.0001 ppm	0.0134 ppm
Concentration per Run	-0.0001 ppm	-0.0068 ppm	-0.0002 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0132 ppm
Recovery Percentage	-1.135 %	-7.462 %	18.150 %	3.541 %	1.024 %	1.640 %	12.916 %
Concentration RSD	64.0 %	9.4 %	136.6 %	34.1 %	27.1 %	23.4 %	5.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0018 ppm	0.0060 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0002 ppm	0.0019 ppm	0.0148 ppm	0.0006 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0002 ppm	-0.0003 ppm	0.0020 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0014 ppm	0.0042 ppm	-0.0002 ppm
Recovery Percentage	2.512 %	2.495 %	0.356 %	-1.134 %	3.526 %	0.239 %	1.020 %
Concentration RSD	32.9 %	36.7 %	473.5 %	223.2 %	19.6 %	135.7 %	397.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0033 ppm	0.0001 ppm	0.0057 ppm	0.0278 ppm	-0.0003 ppm	-0.0004 ppm	0.0074 ppm
Concentration per Run	0.0039 ppm	0.0000 ppm	0.0057 ppm	0.0292 ppm	0.0002 ppm	0.0002 ppm	0.0075 ppm
Concentration per Run	0.0026 ppm	0.0003 ppm	0.0057 ppm	0.0246 ppm	-0.0006 ppm	-0.0003 ppm	0.0069 ppm
Concentration per Run	0.0035 ppm	0.0000 ppm	0.0057 ppm	0.0295 ppm	-0.0005 ppm	-0.0011 ppm	0.0077 ppm
Recovery Percentage	3.332 %	0.889 %	11.358 %	1.389 %	-1.187 %	-3.885 %	14.706 %
Concentration RSD	20.8 %	187.8 %	0.2 %	10.0 %	149.3 %	163.5 %	6.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0032 ppm	-0.0002 ppm	0.0029 ppm	0.0001 ppm	0.0009 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0015 ppm	-0.0017 ppm	0.0029 ppm	0.0001 ppm	0.0008 ppm	0.0008 ppm	-0.0002 ppm
Concentration per Run	0.0042 ppm	0.0008 ppm	0.0030 ppm	0.0001 ppm	0.0009 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run	0.0038 ppm	0.0005 ppm	0.0027 ppm	0.0001 ppm	0.0009 ppm	0.0014 ppm	-0.0001 ppm
Recovery Percentage	31.638 %	-0.033 %	5.713 %	1.170 %	8.715 %	5.346 %	-0.610 %
Concentration RSD	46.2 %	834.5 %	5.7 %	8.3 %	7.6 %	29.0 %	231.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	104.6770 %	100.5670 %	101.3201 %	105.5975 %	100.3991 %	102.9388 %
Concentration per Run	0.0002 ppm	104.6468 %	99.4525 %	101.2901 %	105.9117 %	99.6040 %	102.7312 %
Concentration per Run	0.0002 ppm	105.0752 %	101.6135 %	101.4634 %	105.5094 %	100.9214 %	103.1156 %
Concentration per Run	0.0002 ppm	104.3088 %	100.6349 %	101.2068 %	105.3713 %	100.6719 %	102.9695 %
Recovery Percentage	3.988 %						
Concentration RSD	19.6 %	0.4 %	1.1 %	0.1 %	0.3 %	0.7 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115414-1 WG2115414
 Analysis started at: 9/18/2025 2:19:27 PM
 Rack: 1
 Vial: 44
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0004 ppm	-0.0078 ppm	0.0007 ppm	0.0055 ppm	0.0002 ppm	0.0000 ppm	0.0365 ppm
Concentration per Run	-0.0004 ppm	-0.0091 ppm	0.0015 ppm	0.0050 ppm	0.0002 ppm	0.0000 ppm	0.0367 ppm
Concentration per Run	-0.0004 ppm	-0.0069 ppm	0.0003 ppm	0.0059 ppm	0.0002 ppm	0.0000 ppm	0.0363 ppm
Concentration per Run	-0.0002 ppm	-0.0074 ppm	0.0003 ppm	0.0055 ppm	0.0002 ppm	0.0000 ppm	0.0366 ppm
Concentration RSD	34.7 %	14.4 %	100.4 %	8.4 %	10.1 %	193.8 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0001 ppm	0.0123 ppm	0.0637 ppm	0.0003 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0000 ppm	0.0124 ppm	0.0679 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0008 ppm	0.0000 ppm	0.0120 ppm	0.0638 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0002 ppm	0.0124 ppm	0.0594 ppm	0.0006 ppm
Concentration RSD	414.6 %	69.8 %	2.3 %	171.0 %	1.9 %	6.6 %	115.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0131 ppm	0.0002 ppm	0.0220 ppm	181.5914 ppm	-0.0009 ppm	0.0006 ppm	0.0274 ppm
Concentration per Run	0.0122 ppm	0.0002 ppm	0.0224 ppm	181.4248 ppm	-0.0007 ppm	0.0005 ppm	0.0270 ppm
Concentration per Run	0.0135 ppm	0.0002 ppm	0.0220 ppm	181.1235 ppm	-0.0011 ppm	0.0005 ppm	0.0283 ppm
Concentration per Run	0.0136 ppm	0.0002 ppm	0.0217 ppm	182.2257 ppm	-0.0010 ppm	0.0007 ppm	0.0269 ppm
Concentration RSD	6.0 %	14.5 %	1.4 %	0.3 %	18.9 %	30.3 %	2.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	0.0653 ppm	0.0844 ppm	0.0009 ppm	0.0072 ppm	0.0001 ppm	0.0014 ppm
Concentration per Run	0.0014 ppm	0.0653 ppm	0.0861 ppm	0.0009 ppm	0.0072 ppm	0.0005 ppm	0.0013 ppm
Concentration per Run	0.0019 ppm	0.0654 ppm	0.0837 ppm	0.0009 ppm	0.0071 ppm	0.0004 ppm	0.0014 ppm
Concentration per Run	0.0031 ppm	0.0653 ppm	0.0833 ppm	0.0009 ppm	0.0074 ppm	-0.0004 ppm	0.0014 ppm
Concentration RSD	40.2 %	0.1 %	1.8 %	2.7 %	1.9 %	343.3 %	5.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0030 ppm	94.0584 %	98.3962 %	88.9158 %	91.8469 %	97.0816 %	92.5865 %
Concentration per Run	0.0030 ppm	94.1118 %	98.8892 %	88.9829 %	91.8435 %	97.8563 %	92.5443 %
Concentration per Run	0.0030 ppm	93.7173 %	99.1586 %	88.9247 %	91.6471 %	97.4332 %	92.9329 %
Concentration per Run	0.0031 ppm	94.3460 %	97.1409 %	88.8398 %	92.0501 %	95.9553 %	92.2822 %
Concentration RSD	1.2 %	0.3 %	1.1 %	0.1 %	0.2 %	1.0 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115414-2 WG2115414
 Analysis started at: 9/18/2025 2:26:20 PM
 Rack: 1
 Vial: 45
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0496 ppm	2.0860 ppm	0.1097 ppm	0.9748 ppm	1.9347 ppm	0.0524 ppm	10.9920 ppm
Concentration per Run	0.0500 ppm	2.0809 ppm	0.1089 ppm	0.9782 ppm	1.9241 ppm	0.0524 ppm	11.0080 ppm
Concentration per Run	0.0495 ppm	2.0962 ppm	0.1101 ppm	0.9738 ppm	1.9280 ppm	0.0522 ppm	11.0209 ppm
Concentration per Run	0.0493 ppm	2.0809 ppm	0.1100 ppm	0.9724 ppm	1.9520 ppm	0.0527 ppm	10.9470 ppm
Concentration RSD	0.7 %	0.4 %	0.6 %	0.3 %	0.8 %	0.5 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0578 ppm	0.5251 ppm	0.2092 ppm	0.2516 ppm	1.0608 ppm	10.3082 ppm	0.0007 ppm
Concentration per Run	0.0580 ppm	0.5262 ppm	0.2106 ppm	0.2518 ppm	1.0589 ppm	10.2482 ppm	0.0016 ppm
Concentration per Run	0.0577 ppm	0.5246 ppm	0.2095 ppm	0.2517 ppm	1.0592 ppm	10.3096 ppm	0.0004 ppm
Concentration per Run	0.0575 ppm	0.5243 ppm	0.2073 ppm	0.2514 ppm	1.0642 ppm	10.3667 ppm	0.0001 ppm
Concentration RSD	0.5 %	0.2 %	0.8 %	0.1 %	0.3 %	0.6 %	113.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.8639 ppm	0.5377 ppm	1.0405 ppm	10.4278 ppm	0.5386 ppm	0.5192 ppm	0.5136 ppm
Concentration per Run	10.9073 ppm	0.5389 ppm	1.0413 ppm	10.4554 ppm	0.5440 ppm	0.5191 ppm	0.5171 ppm
Concentration per Run	10.8884 ppm	0.5379 ppm	1.0403 ppm	10.4221 ppm	0.5381 ppm	0.5197 ppm	0.5162 ppm
Concentration per Run	10.7960 ppm	0.5364 ppm	1.0400 ppm	10.4060 ppm	0.5338 ppm	0.5186 ppm	0.5075 ppm
Concentration RSD	0.5 %	0.2 %	0.1 %	0.2 %	1.0 %	0.1 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1088 ppm	0.9231 ppm	1.0519 [SIC 50]	0.9551 ppm	1.0109 ppm	0.1154 ppm	0.5304 ppm
Concentration per Run	0.1085 ppm	0.9268 ppm	1.0582 ppm	0.9523 ppm	1.0135 ppm	0.1150 ppm	0.5313 ppm
Concentration per Run	0.1090 ppm	0.9241 ppm	1.0504 ppm	0.9520 ppm	1.0111 ppm	0.1148 ppm	0.5312 ppm
Concentration per Run	0.1090 ppm	0.9184 ppm	1.0472 ppm	0.9609 ppm	1.0082 ppm	0.1164 ppm	0.5285 ppm
Concentration RSD	0.3 %	0.5 %	0.5 %	0.5 %	0.3 %	0.8 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5524 ppm	96.3764 %	85.2331 %	97.6474 %	95.4937 %	84.8332 %	98.5238 %
Concentration per Run	0.5571 ppm	96.0270 %	85.3834 %	97.8178 %	95.4530 %	85.2417 %	98.3866 %
Concentration per Run	0.5504 ppm	96.3468 %	84.9108 %	97.4256 %	95.7581 %	84.6123 %	98.5247 %
Concentration per Run	0.5496 ppm	96.7553 %	85.4049 %	97.6988 %	95.2702 %	84.6456 %	98.6601 %
Concentration RSD	0.7 %	0.4 %	0.3 %	0.2 %	0.3 %	0.4 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556176-01 WG2115414
 Analysis started at: 9/18/2025 2:29:52 PM
 Rack: 1
 Vial: 46
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0005 ppm	-0.0026 ppm	0.0028 ppm	4.8478 ppm	0.0034 ppm	0.0001 ppm	7.6931 ppm
Concentration per Run	-0.0005 ppm	-0.0008 ppm	0.0025 ppm	4.8558 ppm	0.0034 ppm	0.0001 ppm	7.6912 ppm
Concentration per Run	-0.0006 ppm	-0.0042 ppm	0.0026 ppm	4.8378 ppm	0.0034 ppm	0.0000 ppm	7.6877 ppm
Concentration per Run	-0.0004 ppm	-0.0027 ppm	0.0033 ppm	4.8497 ppm	0.0034 ppm	0.0000 ppm	7.7002 ppm
Concentration RSD	21.7 %	65.2 %	15.6 %	0.2 %	0.6 %	34.7 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0004 ppm	0.0009 ppm	0.0000 ppm	0.0008 ppm	0.0142 ppm	0.3949 ppm	0.0022 ppm
Concentration per Run	0.0003 ppm	0.0011 ppm	0.0001 ppm	0.0006 ppm	0.0134 ppm	0.4099 ppm	0.0023 ppm
Concentration per Run	0.0004 ppm	0.0006 ppm	-0.0001 ppm	0.0010 ppm	0.0144 ppm	0.3869 ppm	0.0023 ppm
Concentration per Run	0.0005 ppm	0.0011 ppm	-0.0001 ppm	0.0009 ppm	0.0148 ppm	0.3880 ppm	0.0022 ppm
Concentration RSD	17.9 %	32.9 %	441.2 %	27.9 %	5.3 %	3.3 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	2.0649 ppm	0.3567 ppm	0.0055 ppm	189.5004 ppm	0.0013 ppm	0.0004 ppm	0.0020 ppm
Concentration per Run	2.0848 ppm	0.3580 ppm	0.0052 ppm	189.8348 ppm	0.0011 ppm	0.0003 ppm	0.0011 ppm
Concentration per Run	2.0548 ppm	0.3560 ppm	0.0059 ppm	189.1091 ppm	0.0017 ppm	0.0012 ppm	0.0020 ppm
Concentration per Run	2.0551 ppm	0.3561 ppm	0.0054 ppm	189.5571 ppm	0.0009 ppm	-0.0004 ppm	0.0027 ppm
Concentration RSD	0.8 %	0.3 %	6.0 %	0.2 %	34.0 %	203.9 %	40.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0009 ppm	0.4150 ppm	0.0025 ppm	0.1215 ppm	0.0008 ppm	-0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0020 ppm	0.4155 ppm	0.0032 ppm	0.1218 ppm	0.0008 ppm	-0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0006 ppm	0.4137 ppm	0.0024 ppm	0.1211 ppm	0.0009 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.4158 ppm	0.0019 ppm	0.1214 ppm	0.0009 ppm	-0.0008 ppm	-0.0001 ppm
Concentration RSD	121.1 %	0.3 %	25.7 %	0.3 %	6.1 %	28.1 %	44.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0672 ppm	94.2439 %	88.5186 %	93.9588 %	92.7732 %	87.2648 %	96.3015 %
Concentration per Run	0.0678 ppm	93.9112 %	88.0508 %	93.6934 %	92.3886 %	86.5654 %	95.6512 %
Concentration per Run	0.0667 ppm	94.3352 %	88.7165 %	93.9502 %	92.9121 %	87.4740 %	96.8116 %
Concentration per Run	0.0672 ppm	94.4852 %	88.7886 %	94.2329 %	93.0190 %	87.7551 %	96.4416 %
Concentration RSD	0.8 %	0.3 %	0.5 %	0.3 %	0.4 %	0.7 %	0.6 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115414-3 WG2115414
 Analysis started at: 9/18/2025 2:49:44 PM
 Rack: 1
 Vial: 47
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0508 ppm	2.0428 ppm	0.1333 ppm	6.0551 [SIC 20]	1.9990 ppm	0.0528 ppm	17.3513 ppm
Concentration per Run	0.0509 ppm	2.0313 ppm	0.1353 ppm	6.0584 ppm	1.9737 ppm	0.0527 ppm	17.5155 ppm
Concentration per Run	0.0506 ppm	2.0551 ppm	0.1326 ppm	6.0542 ppm	2.0171 ppm	0.0530 ppm	17.4592 ppm
Concentration per Run	0.0509 ppm	2.0418 ppm	0.1319 ppm	6.0527 ppm	2.0063 ppm	0.0527 ppm	17.0793 ppm
Concentration RSD	0.3 %	0.6 %	1.3 %	0.0 %	1.1 %	0.4 %	1.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0536 ppm	0.4949 ppm	0.2015 ppm	0.2646 ppm	1.0234 ppm	10.6253 ppm	0.0022 ppm
Concentration per Run	0.0531 ppm	0.4921 ppm	0.2009 ppm	0.2633 ppm	1.0262 ppm	10.5056 ppm	0.0028 ppm
Concentration per Run	0.0538 ppm	0.4962 ppm	0.2006 ppm	0.2660 ppm	1.0279 ppm	10.7212 ppm	0.0025 ppm
Concentration per Run	0.0538 ppm	0.4965 ppm	0.2031 ppm	0.2643 ppm	1.0162 ppm	10.6490 ppm	0.0014 ppm
Concentration RSD	0.7 %	0.5 %	0.7 %	0.5 %	0.6 %	1.0 %	33.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	11.6522 ppm	0.8651 ppm	1.0197 ppm	204.1193 ppm	0.5083 ppm	0.5204 ppm	0.5265 ppm
Concentration per Run	11.6349 ppm	0.8648 ppm	1.0133 ppm	203.6559 ppm	0.5045 ppm	0.5220 ppm	0.5212 ppm
Concentration per Run	11.5929 ppm	0.8690 ppm	1.0195 ppm	204.6343 ppm	0.5090 ppm	0.5192 ppm	0.5242 ppm
Concentration per Run	11.7288 ppm	0.8616 ppm	1.0264 ppm	204.0676 ppm	0.5113 ppm	0.5200 ppm	0.5341 ppm
Concentration RSD	0.6 %	0.4 %	0.6 %	0.2 %	0.7 %	0.3 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1339 ppm	1.3682 ppm	0.9656 ppm	1.1154 ppm	1.0103 ppm	0.1150 ppm	0.5265 ppm
Concentration per Run	0.1351 ppm	1.3638 ppm	0.9520 ppm	1.1092 ppm	1.0062 ppm	0.1137 ppm	0.5254 ppm
Concentration per Run	0.1337 ppm	1.3651 ppm	0.9669 ppm	1.1201 ppm	1.0099 ppm	0.1158 ppm	0.5266 ppm
Concentration per Run	0.1328 ppm	1.3755 ppm	0.9780 ppm	1.1168 ppm	1.0149 ppm	0.1155 ppm	0.5276 ppm
Concentration RSD	0.8 %	0.5 %	1.4 %	0.5 %	0.4 %	1.0 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5712 ppm	94.4809 %	100.5201 %	85.6803 %	92.6183 %	99.5771 %	92.0659 %
Concentration per Run	0.5614 ppm	94.7817 %	100.0509 %	85.0838 %	92.6115 %	100.7585 %	91.7821 %
Concentration per Run	0.5743 ppm	94.3458 %	100.1932 %	85.8569 %	92.5919 %	97.9929 %	92.0183 %
Concentration per Run	0.5778 ppm	94.3153 %	101.3161 %	86.1002 %	92.6515 %	99.9799 %	92.3973 %
Concentration RSD	1.5 %	0.3 %	0.7 %	0.6 %	0.0 %	1.4 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115414-4 WG2115414
 Analysis started at: 9/18/2025 2:53:31 PM
 Rack: 1
 Vial: 48
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0010 ppm	0.0010 ppm	4.6958 ppm	0.0034 ppm	0.0001 ppm	7.1027 ppm
Concentration per Run	-0.0001 ppm	0.0008 ppm	0.0007 ppm	4.6969 ppm	0.0035 ppm	0.0001 ppm	7.1026 ppm
Concentration per Run	-0.0003 ppm	-0.0026 ppm	0.0020 ppm	4.7003 ppm	0.0035 ppm	0.0000 ppm	7.1167 ppm
Concentration per Run	-0.0002 ppm	-0.0010 ppm	0.0003 ppm	4.6901 ppm	0.0034 ppm	0.0001 ppm	7.0889 ppm
Concentration RSD	42.7 %	175.5 %	89.4 %	0.1 %	1.0 %	33.9 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0003 ppm	0.0007 ppm	0.0005 ppm	0.0009 ppm	0.0084 ppm	0.3928 ppm	0.0029 ppm
Concentration per Run	0.0003 ppm	0.0009 ppm	0.0005 ppm	0.0008 ppm	0.0085 ppm	0.3955 ppm	0.0033 ppm
Concentration per Run	0.0003 ppm	0.0004 ppm	0.0005 ppm	0.0009 ppm	0.0079 ppm	0.3898 ppm	0.0025 ppm
Concentration per Run	0.0003 ppm	0.0008 ppm	0.0004 ppm	0.0008 ppm	0.0087 ppm	0.3932 ppm	0.0028 ppm
Concentration RSD	7.8 %	41.7 %	10.3 %	5.8 %	5.2 %	0.7 %	12.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.8229 ppm	0.3398 ppm	0.0052 ppm	188.3143 ppm	0.0016 ppm	0.0006 ppm	0.0018 ppm
Concentration per Run	1.8318 ppm	0.3399 ppm	0.0053 ppm	187.8342 ppm	0.0015 ppm	0.0004 ppm	0.0027 ppm
Concentration per Run	1.8193 ppm	0.3402 ppm	0.0050 ppm	189.1566 ppm	0.0013 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	1.8178 ppm	0.3394 ppm	0.0051 ppm	187.9521 ppm	0.0021 ppm	0.0009 ppm	0.0030 ppm
Concentration RSD	0.4 %	0.1 %	2.9 %	0.4 %	25.9 %	38.4 %	92.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0009 ppm	0.3887 ppm	0.0010 ppm	0.1261 ppm	0.0012 ppm	-0.0011 ppm	0.0000 ppm
Concentration per Run	0.0019 ppm	0.3870 ppm	0.0020 ppm	0.1263 ppm	0.0013 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run	-0.0011 ppm	0.3892 ppm	0.0008 ppm	0.1260 ppm	0.0012 ppm	-0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0020 ppm	0.3898 ppm	0.0001 ppm	0.1259 ppm	0.0010 ppm	-0.0020 ppm	0.0001 ppm
Concentration RSD	187.2 %	0.4 %	95.6 %	0.2 %	13.9 %	87.2 %	355.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0564 ppm	99.4784 %	102.8468 %	89.7746 %	98.7232 %	102.1309 %	96.2760 %
Concentration per Run	0.0566 ppm	99.2417 %	102.4438 %	89.3149 %	98.4169 %	101.2581 %	96.0497 %
Concentration per Run	0.0562 ppm	99.7460 %	102.7342 %	90.2554 %	99.0920 %	102.2964 %	96.8003 %
Concentration per Run	0.0565 ppm	99.4475 %	103.3625 %	89.7536 %	98.6607 %	102.8384 %	95.9780 %
Concentration RSD	0.3 %	0.3 %	0.5 %	0.5 %	0.3 %	0.8 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557422-03 WG2115414
 Analysis started at: 9/18/2025 2:56:58 PM
 Rack: 1
 Vial: 49
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0004 ppm	0.0260 ppm	0.0011 ppm	0.0180 ppm	0.0113 ppm	0.0000 ppm	2.6289 ppm
Concentration per Run	-0.0005 ppm	0.0235 ppm	0.0012 ppm	0.0176 ppm	0.0113 ppm	0.0000 ppm	2.6168 ppm
Concentration per Run	-0.0004 ppm	0.0287 ppm	0.0022 ppm	0.0191 ppm	0.0113 ppm	0.0000 ppm	2.6204 ppm
Concentration per Run	-0.0004 ppm	0.0258 ppm	-0.0001 ppm	0.0172 ppm	0.0114 ppm	0.0000 ppm	2.6496 ppm
Concentration RSD	10.4 %	10.0 %	102.9 %	5.7 %	0.7 %	16.5 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0004 ppm	0.0004 ppm	0.0004 ppm	0.0124 ppm	0.1730 ppm	0.0009 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	0.0006 ppm	0.0004 ppm	0.0121 ppm	0.1654 ppm	0.0009 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0004 ppm	0.0005 ppm	0.0126 ppm	0.1778 ppm	0.0010 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0003 ppm	0.0126 ppm	0.1757 ppm	0.0008 ppm
Concentration RSD	25,705.0 %	38.7 %	53.4 %	24.3 %	2.1 %	3.8 %	9.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4688 ppm	0.0145 ppm	0.0012 ppm	162.9753 ppm	0.0005 ppm	-0.0001 ppm	0.0010 ppm
Concentration per Run	0.4680 ppm	0.0145 ppm	0.0013 ppm	162.5009 ppm	0.0005 ppm	-0.0001 ppm	0.0025 ppm
Concentration per Run	0.4685 ppm	0.0142 ppm	0.0010 ppm	162.5150 ppm	0.0001 ppm	0.0003 ppm	-0.0008 ppm
Concentration per Run	0.4699 ppm	0.0146 ppm	0.0014 ppm	163.9099 ppm	0.0008 ppm	-0.0005 ppm	0.0014 ppm
Concentration RSD	0.2 %	1.4 %	15.5 %	0.5 %	75.1 %	344.4 %	166.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0005 ppm	0.1986 ppm	0.0006 ppm	0.0092 ppm	0.0009 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run	0.0005 ppm	0.1970 ppm	0.0004 ppm	0.0092 ppm	0.0008 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run	0.0018 ppm	0.1992 ppm	0.0001 ppm	0.0092 ppm	0.0009 ppm	-0.0019 ppm	-0.0001 ppm
Concentration per Run	-0.0008 ppm	0.1996 ppm	0.0012 ppm	0.0093 ppm	0.0010 ppm	-0.0002 ppm	0.0000 ppm
Concentration RSD	259.5 %	0.7 %	97.6 %	0.7 %	6.1 %	109.7 %	1,070.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0051 ppm	98.6380 %	100.6512 %	90.9672 %	97.6519 %	99.8265 %	96.3554 %
Concentration per Run	0.0049 ppm	98.6769 %	100.5961 %	91.4773 %	97.8002 %	99.7224 %	96.8701 %
Concentration per Run	0.0052 ppm	98.4567 %	100.8068 %	90.7690 %	97.5928 %	99.4852 %	95.8914 %
Concentration per Run	0.0051 ppm	98.7803 %	100.5507 %	90.6554 %	97.5627 %	100.2720 %	96.3047 %
Concentration RSD	3.0 %	0.2 %	0.1 %	0.5 %	0.1 %	0.4 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557422-06 WG2115414
 Analysis started at: 9/18/2025 3:00:23 PM
 Rack: 1
 Vial: 50
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	0.0308 ppm	0.0009 ppm	0.0095 ppm	0.0084 ppm	0.0001 ppm	0.4929 ppm
Concentration per Run	-0.0002 ppm	0.0317 ppm	0.0005 ppm	0.0091 ppm	0.0084 ppm	0.0001 ppm	0.4943 ppm
Concentration per Run	-0.0001 ppm	0.0298 ppm	0.0018 ppm	0.0101 ppm	0.0084 ppm	0.0000 ppm	0.4933 ppm
Concentration per Run	-0.0001 ppm	0.0308 ppm	0.0004 ppm	0.0094 ppm	0.0085 ppm	0.0001 ppm	0.4911 ppm
Concentration RSD	38.6 %	3.1 %	86.1 %	5.5 %	0.9 %	16.8 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0004 ppm	0.0004 ppm	0.0004 ppm	0.0206 ppm	0.1458 ppm	0.0003 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0004 ppm	0.0200 ppm	0.1501 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0001 ppm	0.0207 ppm	0.1555 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0004 ppm	0.0007 ppm	0.0210 ppm	0.1319 ppm	0.0005 ppm
Concentration RSD	458.6 %	43.6 %	16.9 %	64.0 %	2.4 %	8.5 %	91.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0643 ppm	0.0170 ppm	0.0006 ppm	164.1848 ppm	0.0003 ppm	-0.0002 ppm	0.0011 ppm
Concentration per Run	0.0649 ppm	0.0172 ppm	0.0008 ppm	164.0512 ppm	0.0006 ppm	-0.0003 ppm	-0.0009 ppm
Concentration per Run	0.0636 ppm	0.0170 ppm	0.0004 ppm	163.9554 ppm	0.0004 ppm	0.0002 ppm	0.0023 ppm
Concentration per Run	0.0644 ppm	0.0170 ppm	0.0007 ppm	164.5477 ppm	-0.0001 ppm	-0.0005 ppm	0.0018 ppm
Concentration RSD	1.0 %	0.8 %	34.3 %	0.2 %	108.2 %	163.7 %	160.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0003 ppm	0.1242 ppm	0.0007 ppm	0.0028 ppm	0.0007 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0005 ppm	0.1232 ppm	0.0008 ppm	0.0028 ppm	0.0006 ppm	-0.0019 ppm	0.0000 ppm
Concentration per Run	-0.0011 ppm	0.1228 ppm	0.0005 ppm	0.0028 ppm	0.0008 ppm	-0.0017 ppm	0.0001 ppm
Concentration per Run	0.0014 ppm	0.1265 ppm	0.0008 ppm	0.0028 ppm	0.0008 ppm	0.0003 ppm	-0.0003 ppm
Concentration RSD	479.9 %	1.6 %	27.5 %	1.4 %	13.1 %	111.8 %	219.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0035 ppm	97.0117 %	100.2804 %	91.0226 %	95.9113 %	98.3838 %	95.8616 %
Concentration per Run	0.0037 ppm	97.0571 %	100.1729 %	91.0189 %	96.0023 %	98.9485 %	95.7168 %
Concentration per Run	0.0035 ppm	96.9679 %	100.3955 %	91.1641 %	95.6549 %	98.4656 %	95.9290 %
Concentration per Run	0.0034 ppm	97.0101 %	100.2727 %	90.8848 %	96.0766 %	97.7374 %	95.9390 %
Concentration RSD	4.6 %	0.0 %	0.1 %	0.2 %	0.2 %	0.6 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
Analysis started at: 9/18/2025 3:03:47 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4974 ppm	0.4814 ppm	0.4895 ppm	0.5009 ppm	0.4982 ppm	0.5207 ppm	0.5112 ppm
Concentration per Run	0.4994 ppm	0.4808 ppm	0.4908 ppm	0.5040 ppm	0.5015 ppm	0.5216 ppm	0.5111 ppm
Concentration per Run	0.4987 ppm	0.4856 ppm	0.4851 ppm	0.5001 ppm	0.4975 ppm	0.5210 ppm	0.5105 ppm
Concentration per Run	0.4942 ppm	0.4777 ppm	0.4925 ppm	0.4987 ppm	0.4957 ppm	0.5194 ppm	0.5119 ppm
Recovery Percentage	99.489 %	96.272 %	97.898 %	100.186 %	99.647 %	104.131 %	102.230 %
Concentration RSD	0.6 %	0.8 %	0.8 %	0.5 %	0.6 %	0.2 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5145 ppm	0.5114 ppm	0.5102 ppm	0.5224 ppm	0.5064 ppm	5.1097 ppm	0.5392 ppm
Concentration per Run	0.5194 ppm	0.5149 ppm	0.5132 ppm	0.5235 ppm	0.5038 ppm	5.1562 ppm	0.5402 ppm
Concentration per Run	0.5137 ppm	0.5115 ppm	0.5098 ppm	0.5254 ppm	0.5097 ppm	5.1107 ppm	0.5424 ppm
Concentration per Run	0.5106 ppm	0.5078 ppm	0.5075 ppm	0.5185 ppm	0.5055 ppm	5.0622 ppm	0.5351 ppm
Recovery Percentage	102.909 %	102.283 %	102.032 %	104.489 %	101.271 %	102.194 %	107.849 %
Concentration RSD	0.9 %	0.7 %	0.6 %	0.7 %	0.6 %	0.9 %	0.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5113 ppm	0.5158 ppm	0.4975 ppm	10.4444 ppm	0.5197 ppm	0.5010 ppm	0.5220 ppm
Concentration per Run	0.5173 ppm	0.5159 ppm	0.4968 ppm	10.4263 ppm	0.5228 ppm	0.5000 ppm	0.5256 ppm
Concentration per Run	0.5126 ppm	0.5167 ppm	0.4979 ppm	10.4507 ppm	0.5193 ppm	0.5005 ppm	0.5240 ppm
Concentration per Run	0.5041 ppm	0.5150 ppm	0.4977 ppm	10.4560 ppm	0.5170 ppm	0.5024 ppm	0.5164 ppm
Recovery Percentage	102.268 %	103.169 %	99.490 %	104.444 %	103.940 %	100.194 %	104.403 %
Concentration RSD	1.3 %	0.2 %	0.1 %	0.2 %	0.6 %	0.3 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4958 ppm	5.5260 ppm	0.5095 ppm	0.5177 ppm	0.5086 ppm	0.5182 ppm	0.5150 ppm
Concentration per Run	0.4961 ppm	5.5436 ppm	0.5136 ppm	0.5184 ppm	0.5110 ppm	0.5181 ppm	0.5169 ppm
Concentration per Run	0.4936 ppm	5.5346 ppm	0.5079 ppm	0.5191 ppm	0.5077 ppm	0.5158 ppm	0.5151 ppm
Concentration per Run	0.4977 ppm	5.4997 ppm	0.5069 ppm	0.5157 ppm	0.5070 ppm	0.5208 ppm	0.5131 ppm
Recovery Percentage	99.161 %	105.257 %	101.895 %	103.549 %	101.711 %	103.644 %	103.010 %
Concentration RSD	0.4 %	0.4 %	0.7 %	0.3 %	0.4 %	0.5 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5058 ppm	104.1808 %	103.7505 %	99.7280 %	103.6613 %	102.8401 %	101.6812 %
Concentration per Run	0.5103 ppm	104.2498 %	103.9195 %	99.2958 %	103.9854 %	102.1957 %	101.1577 %
Concentration per Run	0.5045 ppm	104.2174 %	103.7095 %	100.1835 %	103.8296 %	103.3071 %	101.9451 %
Concentration per Run	0.5027 ppm	104.0753 %	103.6224 %	99.7047 %	103.1690 %	103.0175 %	101.9408 %
Recovery Percentage	101.164 %						
Concentration RSD	0.8 %	0.1 %	0.1 %	0.4 %	0.4 %	0.6 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
Analysis started at: 9/18/2025 3:07:13 PM
Rack: 0
Vial: 4
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0083 ppm	0.0005 ppm	0.0014 ppm	0.0001 ppm	0.0001 ppm	0.0038 ppm
Concentration per Run	0.0000 ppm	-0.0096 ppm	0.0009 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0042 ppm
Concentration per Run	-0.0003 ppm	-0.0077 ppm	0.0007 ppm	0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0034 ppm
Concentration per Run	-0.0001 ppm	-0.0075 ppm	-0.0001 ppm	0.0014 ppm	0.0000 ppm	0.0001 ppm	0.0038 ppm
Recovery Percentage	-2.463 %	-8.271 %	9.492 %	4.678 %	0.764 %	1.576 %	3.812 %
Concentration RSD	109.5 %	14.2 %	110.2 %	16.0 %	75.5 %	46.4 %	11.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0018 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0002 ppm	-0.0004 ppm	0.0003 ppm	-0.0001 ppm	0.0007 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0024 ppm	-0.0027 ppm	-0.0002 ppm
Concentration per Run	0.0002 ppm	-0.0003 ppm	0.0004 ppm	0.0001 ppm	0.0022 ppm	0.0029 ppm	-0.0004 ppm
Recovery Percentage	3.514 %	-1.906 %	2.104 %	-0.693 %	3.561 %	0.004 %	-2.286 %
Concentration RSD	35.9 %	121.5 %	105.4 %	200.2 %	52.5 %	2,939.4 %	52.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0005 ppm	0.0002 ppm	0.0045 ppm	0.0389 ppm	0.0002 ppm	-0.0006 ppm	0.0014 ppm
Concentration per Run	0.0012 ppm	0.0002 ppm	0.0045 ppm	0.0396 ppm	-0.0002 ppm	-0.0003 ppm	0.0016 ppm
Concentration per Run	0.0003 ppm	0.0002 ppm	0.0047 ppm	0.0371 ppm	0.0002 ppm	-0.0002 ppm	0.0020 ppm
Concentration per Run	-0.0002 ppm	0.0001 ppm	0.0043 ppm	0.0399 ppm	0.0006 ppm	-0.0012 ppm	0.0004 ppm
Recovery Percentage	0.456 %	1.590 %	8.979 %	1.944 %	0.825 %	-5.839 %	2.700 %
Concentration RSD	152.3 %	59.4 %	4.2 %	3.9 %	193.4 %	97.9 %	60.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0035 ppm	0.0005 ppm	0.0012 ppm	0.0001 ppm	0.0010 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	0.0033 ppm	0.0005 ppm	0.0017 ppm	0.0001 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	0.0048 ppm	0.0010 ppm	0.0013 ppm	0.0000 ppm	0.0009 ppm	0.0020 ppm	0.0000 ppm
Concentration per Run	0.0023 ppm	0.0000 ppm	0.0004 ppm	0.0000 ppm	0.0012 ppm	0.0009 ppm	-0.0001 ppm
Recovery Percentage	34.860 %	0.106 %	2.305 %	0.535 %	9.997 %	4.754 %	0.232 %
Concentration RSD	35.4 %	92.4 %	59.2 %	94.2 %	14.7 %	108.1 %	482.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	104.7784 %	100.0679 %	100.3785 %	105.9811 %	100.6865 %	102.1656 %
Concentration per Run	0.0000 ppm	104.8290 %	99.7389 %	100.0015 %	106.0413 %	100.7849 %	102.1534 %
Concentration per Run	0.0002 ppm	104.6134 %	99.9971 %	100.7911 %	106.0356 %	100.2843 %	102.4685 %
Concentration per Run	0.0003 ppm	104.8929 %	100.4677 %	100.3429 %	105.8664 %	100.9904 %	101.8749 %
Recovery Percentage	3.258 %						
Concentration RSD	93.0 %	0.1 %	0.4 %	0.4 %	0.1 %	0.4 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2555365-02 WG2115824
 Analysis started at: 9/18/2025 3:28:18 PM
 Rack: 1
 Vial: 51
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0403 ppm	0.0009 ppm	0.0098 ppm	0.0422 ppm	0.0000 ppm	4.1994 ppm
Concentration per Run	-0.0002 ppm	0.0370 ppm	0.0013 ppm	0.0100 ppm	0.0422 ppm	0.0001 ppm	4.2135 ppm
Concentration per Run	0.0000 ppm	0.0400 ppm	0.0004 ppm	0.0099 ppm	0.0423 ppm	0.0000 ppm	4.2021 ppm
Concentration per Run	-0.0002 ppm	0.0439 ppm	0.0010 ppm	0.0095 ppm	0.0420 ppm	0.0001 ppm	4.1825 ppm
Concentration RSD	60.5 %	8.6 %	54.2 %	2.6 %	0.3 %	4.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0004 ppm	0.0014 ppm	0.0005 ppm	0.0017 ppm	0.0193 ppm	0.3443 ppm	0.0004 ppm
Concentration per Run	0.0003 ppm	0.0014 ppm	0.0004 ppm	0.0017 ppm	0.0198 ppm	0.3566 ppm	0.0004 ppm
Concentration per Run	0.0005 ppm	0.0016 ppm	0.0005 ppm	0.0015 ppm	0.0192 ppm	0.3563 ppm	0.0003 ppm
Concentration per Run	0.0003 ppm	0.0010 ppm	0.0005 ppm	0.0019 ppm	0.0190 ppm	0.3200 ppm	0.0004 ppm
Concentration RSD	18.6 %	23.3 %	12.0 %	10.8 %	2.2 %	6.1 %	24.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.3219 ppm	0.0640 ppm	0.0002 ppm	136.7950 ppm	0.0022 ppm	0.0222 ppm	0.0010 ppm
Concentration per Run	0.3221 ppm	0.0641 ppm	0.0004 ppm	136.2513 ppm	0.0024 ppm	0.0217 ppm	-0.0010 ppm
Concentration per Run	0.3187 ppm	0.0638 ppm	0.0000 ppm	136.7358 ppm	0.0024 ppm	0.0224 ppm	0.0031 ppm
Concentration per Run	0.3249 ppm	0.0641 ppm	0.0001 ppm	137.3980 ppm	0.0018 ppm	0.0226 ppm	0.0009 ppm
Concentration RSD	1.0 %	0.3 %	104.7 %	0.4 %	14.3 %	2.0 %	204.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0010 ppm	0.2803 ppm	0.0017 ppm	0.0177 ppm	0.0014 ppm	-0.0010 ppm	0.0002 ppm
Concentration per Run	0.0012 ppm	0.2798 ppm	0.0015 ppm	0.0177 ppm	0.0014 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	-0.0009 ppm	0.2820 ppm	0.0021 ppm	0.0177 ppm	0.0014 ppm	-0.0018 ppm	0.0003 ppm
Concentration per Run	0.0027 ppm	0.2791 ppm	0.0014 ppm	0.0177 ppm	0.0015 ppm	-0.0011 ppm	0.0003 ppm
Concentration RSD	179.7 %	0.5 %	24.0 %	0.1 %	4.1 %	89.7 %	68.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1081 ppm	94.8257 %	99.7305 %	90.3139 %	92.7667 %	98.1096 %	93.7435 %
Concentration per Run	0.1083 ppm	95.2669 %	99.7876 %	90.1775 %	93.3620 %	98.3060 %	93.9127 %
Concentration per Run	0.1078 ppm	94.3441 %	99.9910 %	90.9112 %	92.2742 %	98.8442 %	93.8194 %
Concentration per Run	0.1082 ppm	94.8661 %	99.4128 %	89.8530 %	92.6639 %	97.1785 %	93.4984 %
Concentration RSD	0.2 %	0.5 %	0.3 %	0.6 %	0.6 %	0.9 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557107-01 WG2115824
Analysis started at: 9/18/2025 3:32:00 PM
Rack: 1
Vial: 52
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0003 ppm	0.0210 ppm	0.0010 ppm	0.0061 ppm	0.0096 ppm	0.0000 ppm	102.4554 ppm
Concentration per Run	-0.0004 ppm	0.0228 ppm	0.0016 ppm	0.0062 ppm	0.0095 ppm	0.0000 ppm	102.5309 ppm
Concentration per Run	-0.0001 ppm	0.0210 ppm	0.0010 ppm	0.0058 ppm	0.0096 ppm	0.0000 ppm	102.7849 ppm
Concentration per Run	-0.0003 ppm	0.0191 ppm	0.0004 ppm	0.0064 ppm	0.0095 ppm	0.0000 ppm	102.0504 ppm
Concentration RSD	68.9 %	8.9 %	59.0 %	4.4 %	0.6 %	17.1 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0036 ppm	0.0015 ppm	0.0002 ppm	0.0127 ppm	0.0047 ppm	0.3534 ppm	-0.0004 ppm
Concentration per Run	0.0035 ppm	0.0017 ppm	0.0001 ppm	0.0125 ppm	0.0042 ppm	0.3659 ppm	-0.0001 ppm
Concentration per Run	0.0035 ppm	0.0016 ppm	0.0004 ppm	0.0128 ppm	0.0049 ppm	0.3464 ppm	-0.0011 ppm
Concentration per Run	0.0037 ppm	0.0012 ppm	0.0001 ppm	0.0127 ppm	0.0049 ppm	0.3481 ppm	0.0000 ppm
Concentration RSD	3.1 %	15.3 %	99.8 %	1.3 %	9.1 %	3.1 %	163.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.0578 ppm	0.1051 ppm	0.0002 ppm	142.6726 ppm	0.0017 ppm	0.4794 ppm	0.0001 ppm
Concentration per Run	1.0568 ppm	0.1054 ppm	0.0004 ppm	142.0899 ppm	0.0013 ppm	0.4805 ppm	0.0011 ppm
Concentration per Run	1.0570 ppm	0.1054 ppm	0.0000 ppm	143.4307 ppm	0.0018 ppm	0.4797 ppm	-0.0022 ppm
Concentration per Run	1.0598 ppm	0.1046 ppm	0.0001 ppm	142.4972 ppm	0.0020 ppm	0.4781 ppm	0.0016 ppm
Concentration RSD	0.2 %	0.4 %	116.0 %	0.5 %	19.2 %	0.2 %	1,369.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0002 ppm	0.2987 ppm	0.0012 ppm	0.3924 ppm	0.0004 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run	0.0013 ppm	0.2954 ppm	0.0009 ppm	0.3934 ppm	0.0003 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run	-0.0008 ppm	0.2989 ppm	0.0015 ppm	0.3940 ppm	0.0005 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	0.3018 ppm	0.0013 ppm	0.3898 ppm	0.0004 ppm	-0.0009 ppm	0.0001 ppm
Concentration RSD	719.6 %	1.1 %	27.0 %	0.6 %	33.0 %	406.3 %	51.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1775 ppm	98.0073 %	98.9115 %	89.3698 %	97.0968 %	97.8736 %	95.2639 %
Concentration per Run	1.1797 ppm	97.8271 %	98.9918 %	89.5790 %	96.9429 %	96.8444 %	95.3633 %
Concentration per Run	1.1722 ppm	98.1340 %	98.2986 %	89.3765 %	97.2770 %	97.6857 %	95.5023 %
Concentration per Run	1.1806 ppm	98.0609 %	99.4441 %	89.1540 %	97.0706 %	99.0905 %	94.9260 %
Concentration RSD	0.4 %	0.2 %	0.6 %	0.2 %	0.2 %	1.2 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: eL2557403-01 WG2115260
 Analysis started at: 9/18/2025 3:35:25 PM
 Rack: 1
 Vial: 53
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0021 ppm	0.7868 ppm	0.0043 ppm	0.0749 ppm	0.4983 ppm	0.0001 ppm	304.2286 ppm
Concentration per Run	0.0023 ppm	0.7878 ppm	0.0041 ppm	0.0743 ppm	0.4985 ppm	0.0001 ppm	302.1317 ppm
Concentration per Run	0.0020 ppm	0.7926 ppm	0.0049 ppm	0.0756 ppm	0.4991 ppm	0.0001 ppm	306.1868 ppm
Concentration per Run	0.0019 ppm	0.7801 ppm	0.0039 ppm	0.0748 ppm	0.4974 ppm	0.0001 ppm	304.3673 ppm
Concentration RSD	8.9 %	0.8 %	11.6 %	0.9 %	0.2 %	33.3 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0033 ppm	0.0129 ppm	0.0031 ppm	0.0458 ppm	3.3715 ppm	10.9907 ppm	0.0839 ppm
Concentration per Run	-0.0033 ppm	0.0133 ppm	0.0029 ppm	0.0458 ppm	3.3603 ppm	11.0489 ppm	0.0848 ppm
Concentration per Run	-0.0032 ppm	0.0127 ppm	0.0031 ppm	0.0458 ppm	3.3906 ppm	11.0363 ppm	0.0837 ppm
Concentration per Run	-0.0033 ppm	0.0126 ppm	0.0032 ppm	0.0458 ppm	3.3637 ppm	10.8868 ppm	0.0831 ppm
Concentration RSD	1.6 %	3.0 %	5.5 %	0.0 %	0.5 %	0.8 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	178.4922 ppm	1.9298 ppm	0.0056 ppm	666.2821 [SIC 500]	0.0283 ppm	0.0382 ppm	-0.0004 ppm
Concentration per Run	179.0371 ppm	1.9240 ppm	0.0054 ppm	662.2186 ppm	0.0289 ppm	0.0383 ppm	-0.0015 ppm
Concentration per Run	178.0227 ppm	1.9349 ppm	0.0053 ppm	672.7168 ppm	0.0281 ppm	0.0383 ppm	0.0026 ppm
Concentration per Run	178.4168 ppm	1.9304 ppm	0.0062 ppm	663.9111 ppm	0.0278 ppm	0.0380 ppm	-0.0024 ppm
Concentration RSD	0.3 %	0.3 %	8.4 %	0.8 %	2.0 %	0.6 %	656.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0002 ppm	19.8133 ppm	0.0063 ppm	1.3007 ppm	0.0192 ppm	-0.0015 ppm	0.0025 ppm
Concentration per Run	0.0003 ppm	19.8522 ppm	0.0072 ppm	1.3074 ppm	0.0191 ppm	-0.0023 ppm	0.0024 ppm
Concentration per Run	0.0004 ppm	19.8050 ppm	0.0055 ppm	1.2972 ppm	0.0192 ppm	-0.0020 ppm	0.0025 ppm
Concentration per Run	-0.0001 ppm	19.7827 ppm	0.0063 ppm	1.2976 ppm	0.0191 ppm	-0.0003 ppm	0.0026 ppm
Concentration RSD	152.3 %	0.2 %	13.8 %	0.4 %	0.3 %	70.1 %	5.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2576 ppm	88.7374 %	96.4091 %	76.8053 %	88.1712 %	95.9748 %	85.6442 %
Concentration per Run	0.2583 ppm	88.6866 %	97.1074 %	76.7114 %	88.1715 %	96.1742 %	85.4791 %
Concentration per Run	0.2567 ppm	88.9197 %	95.7364 %	76.8111 %	88.4624 %	95.6718 %	85.5943 %
Concentration per Run	0.2578 ppm	88.6059 %	96.3834 %	76.8934 %	87.8797 %	96.0785 %	85.8591 %
Concentration RSD	0.3 %	0.2 %	0.7 %	0.1 %	0.3 %	0.3 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557403-02 WG2115260
 Analysis started at: 9/18/2025 3:38:51 PM
 Rack: 1
 Vial: 54
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0005 ppm	0.7013 ppm	0.0074 ppm	0.0430 ppm	0.0615 ppm	0.0001 ppm	230.7705 ppm
Concentration per Run	-0.0003 ppm	0.7048 ppm	0.0068 ppm	0.0427 ppm	0.0616 ppm	0.0001 ppm	230.7207 ppm
Concentration per Run	-0.0004 ppm	0.6964 ppm	0.0064 ppm	0.0430 ppm	0.0612 ppm	0.0001 ppm	231.1686 ppm
Concentration per Run	-0.0006 ppm	0.7026 ppm	0.0090 ppm	0.0431 ppm	0.0616 ppm	0.0001 ppm	230.4221 ppm
Concentration RSD	29.2 %	0.6 %	18.5 %	0.5 %	0.4 %	11.3 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0026 ppm	0.0029 ppm	0.0013 ppm	0.0012 ppm	3.0799 ppm	4.7868 ppm	0.0522 ppm
Concentration per Run	-0.0026 ppm	0.0027 ppm	0.0012 ppm	0.0011 ppm	3.0928 ppm	4.8117 ppm	0.0523 ppm
Concentration per Run	-0.0026 ppm	0.0031 ppm	0.0014 ppm	0.0012 ppm	3.0742 ppm	4.7649 ppm	0.0532 ppm
Concentration per Run	-0.0027 ppm	0.0028 ppm	0.0013 ppm	0.0013 ppm	3.0726 ppm	4.7838 ppm	0.0512 ppm
Concentration RSD	2.8 %	6.1 %	7.7 %	9.7 %	0.4 %	0.5 %	1.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	160.5612 ppm	0.5458 ppm	0.0044 ppm	251.6365 ppm	0.0059 ppm	0.0014 ppm	-0.0010 ppm
Concentration per Run	159.5081 ppm	0.5457 ppm	0.0043 ppm	250.5458 ppm	0.0063 ppm	0.0011 ppm	-0.0003 ppm
Concentration per Run	160.8752 ppm	0.5463 ppm	0.0048 ppm	252.6560 ppm	0.0060 ppm	0.0018 ppm	-0.0023 ppm
Concentration per Run	161.3002 ppm	0.5454 ppm	0.0041 ppm	251.7076 ppm	0.0055 ppm	0.0014 ppm	-0.0004 ppm
Concentration RSD	0.6 %	0.1 %	7.9 %	0.4 %	7.4 %	26.5 %	116.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0027 ppm	11.5525 ppm	0.0010 ppm	1.0427 ppm	0.0174 ppm	0.0004 ppm	0.0015 ppm
Concentration per Run	0.0048 ppm	11.5280 ppm	0.0013 ppm	1.0407 ppm	0.0167 ppm	-0.0003 ppm	0.0015 ppm
Concentration per Run	0.0025 ppm	11.5635 ppm	0.0009 ppm	1.0435 ppm	0.0174 ppm	0.0021 ppm	0.0014 ppm
Concentration per Run	0.0008 ppm	11.5661 ppm	0.0007 ppm	1.0438 ppm	0.0181 ppm	-0.0007 ppm	0.0015 ppm
Concentration RSD	73.3 %	0.2 %	29.2 %	0.2 %	4.0 %	398.5 %	5.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0080 ppm	93.1645 %	98.8261 %	81.8703 %	92.9538 %	98.1585 %	89.3923 %
Concentration per Run	0.0079 ppm	93.8982 %	98.9811 %	81.9308 %	93.7932 %	98.0422 %	89.5980 %
Concentration per Run	0.0081 ppm	92.8351 %	98.7215 %	81.7434 %	92.6094 %	98.4217 %	89.1750 %
Concentration per Run	0.0081 ppm	92.7600 %	98.7756 %	81.9367 %	92.4589 %	98.0115 %	89.4040 %
Concentration RSD	1.5 %	0.7 %	0.1 %	0.1 %	0.8 %	0.2 %	0.2 %

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LabBook: WG2116354_09182025T8.imexp

Sample: L2557403-01d2 WG2115260
 Analysis started at: 9/18/2025 3:52:16 PM
 Rack: 2
 Vial: 6
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	0.3774 ppm	0.0019 ppm	0.0381 ppm	0.2440 ppm	0.0001 ppm	156.3226 ppm
Concentration per Run	0.0008 ppm	0.3760 ppm	0.0033 ppm	0.0385 ppm	0.2434 ppm	0.0001 ppm	155.0417 ppm
Concentration per Run	0.0010 ppm	0.3753 ppm	0.0014 ppm	0.0376 ppm	0.2434 ppm	0.0000 ppm	156.3542 ppm
Concentration per Run	0.0009 ppm	0.3807 ppm	0.0012 ppm	0.0383 ppm	0.2453 ppm	0.0000 ppm	157.5718 ppm
Concentration RSD	9.9 %	0.8 %	61.2 %	1.1 %	0.5 %	60.3 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0016 ppm	0.0065 ppm	0.0019 ppm	0.0225 ppm	1.6967 ppm	5.2574 ppm	0.0396 ppm
Concentration per Run	-0.0016 ppm	0.0067 ppm	0.0015 ppm	0.0222 ppm	1.6882 ppm	5.2080 ppm	0.0392 ppm
Concentration per Run	-0.0015 ppm	0.0064 ppm	0.0022 ppm	0.0226 ppm	1.6933 ppm	5.2535 ppm	0.0410 ppm
Concentration per Run	-0.0015 ppm	0.0065 ppm	0.0020 ppm	0.0226 ppm	1.7086 ppm	5.3108 ppm	0.0386 ppm
Concentration RSD	2.2 %	2.0 %	19.4 %	1.1 %	0.6 %	1.0 %	3.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	91.4343 ppm	0.9792 ppm	0.0029 ppm	358.9346 ppm	0.0143 ppm	0.0195 ppm	0.0022 ppm
Concentration per Run	90.5921 ppm	0.9725 ppm	0.0028 ppm	355.7845 ppm	0.0138 ppm	0.0199 ppm	0.0013 ppm
Concentration per Run	92.1999 ppm	0.9805 ppm	0.0031 ppm	360.9641 ppm	0.0149 ppm	0.0198 ppm	0.0057 ppm
Concentration per Run	91.5108 ppm	0.9845 ppm	0.0029 ppm	360.0553 ppm	0.0143 ppm	0.0189 ppm	-0.0005 ppm
Concentration RSD	0.9 %	0.6 %	4.4 %	0.8 %	3.8 %	2.7 %	148.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0020 ppm	9.7238 ppm	0.0035 ppm	0.6409 ppm	0.0098 ppm	-0.0005 ppm	0.0012 ppm
Concentration per Run	-0.0017 ppm	9.7017 ppm	0.0038 ppm	0.6401 ppm	0.0096 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run	-0.0032 ppm	9.7630 ppm	0.0025 ppm	0.6419 ppm	0.0099 ppm	-0.0002 ppm	0.0015 ppm
Concentration per Run	-0.0010 ppm	9.7067 ppm	0.0042 ppm	0.6406 ppm	0.0098 ppm	-0.0013 ppm	0.0012 ppm
Concentration RSD	58.3 %	0.4 %	25.0 %	0.1 %	1.9 %	147.1 %	17.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1340 ppm	93.7698 %	98.3191 %	83.5057 %	92.8156 %	98.1338 %	90.7662 %
Concentration per Run	0.1334 ppm	93.9400 %	99.1057 %	83.5266 %	92.7607 %	98.5252 %	90.9179 %
Concentration per Run	0.1352 ppm	93.3361 %	98.2736 %	83.2784 %	92.7376 %	98.1295 %	90.3340 %
Concentration per Run	0.1333 ppm	94.0333 %	97.5780 %	83.7122 %	92.9484 %	97.7467 %	91.0467 %
Concentration RSD	0.8 %	0.4 %	0.8 %	0.3 %	0.1 %	0.4 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-10d2 WG2115232
 Analysis started at: 9/18/2025 3:56:36 PM
 Rack: 1
 Vial: 55
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0015 ppm	31.4314 ppm	0.0556 ppm	0.0168 ppm	7.2962 ppm	0.0017 ppm	618.3783 ppm
Concentration per Run	0.0016 ppm	31.3622 ppm	0.0549 ppm	0.0178 ppm	7.2758 ppm	0.0017 ppm	621.1278 ppm
Concentration per Run	0.0013 ppm	31.4696 ppm	0.0560 ppm	0.0157 ppm	7.2358 ppm	0.0017 ppm	615.6418 ppm
Concentration per Run	0.0016 ppm	31.4623 ppm	0.0560 ppm	0.0169 ppm	7.3769 ppm	0.0017 ppm	618.3652 ppm
Concentration RSD	8.9 %	0.2 %	1.2 %	6.5 %	1.0 %	0.5 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0027 ppm	0.0213 ppm	0.0557 ppm	0.2134 ppm	53.8104 ppm	3.4529 ppm	0.0435 ppm
Concentration per Run	0.0027 ppm	0.0214 ppm	0.0559 ppm	0.2134 ppm	53.9097 ppm	3.4541 ppm	0.0450 ppm
Concentration per Run	0.0026 ppm	0.0211 ppm	0.0558 ppm	0.2136 ppm	53.5416 ppm	3.4308 ppm	0.0455 ppm
Concentration per Run	0.0028 ppm	0.0215 ppm	0.0553 ppm	0.2132 ppm	53.9799 ppm	3.4737 ppm	0.0400 ppm
Concentration RSD	2.8 %	0.9 %	0.6 %	0.1 %	0.4 %	0.6 %	7.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	29.5356 ppm	1.9708 ppm	0.0014 ppm	8.6178 ppm	0.1631 ppm	19.9749 ppm	0.0043 ppm
Concentration per Run	29.6378 ppm	1.9731 ppm	0.0012 ppm	8.5909 ppm	0.1623 ppm	19.9257 ppm	0.0036 ppm
Concentration per Run	29.5546 ppm	1.9668 ppm	0.0013 ppm	8.6309 ppm	0.1640 ppm	19.9369 ppm	0.0075 ppm
Concentration per Run	29.4146 ppm	1.9726 ppm	0.0016 ppm	8.6317 ppm	0.1631 ppm	20.0620 ppm	0.0017 ppm
Concentration RSD	0.4 %	0.2 %	15.2 %	0.3 %	0.5 %	0.4 %	69.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	3.7536 ppm	0.0233 ppm	0.9343 ppm	0.8513 ppm	-0.0005 ppm	0.0809 ppm
Concentration per Run	0.0028 ppm	3.7540 ppm	0.0232 ppm	0.9269 ppm	0.8521 ppm	-0.0018 ppm	0.0812 ppm
Concentration per Run	0.0021 ppm	3.7603 ppm	0.0234 ppm	0.9348 ppm	0.8512 ppm	0.0015 ppm	0.0808 ppm
Concentration per Run	0.0014 ppm	3.7466 ppm	0.0233 ppm	0.9414 ppm	0.8504 ppm	-0.0011 ppm	0.0809 ppm
Concentration RSD	32.1 %	0.2 %	0.5 %	0.8 %	0.1 %	385.3 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	5.0863 ppm	95.5651 %	98.3728 %	83.9644 %	103.3916 %	107.0908 %	102.3401 %
Concentration per Run	5.1019 ppm	95.7334 %	98.2005 %	84.0863 %	103.4387 %	106.7780 %	102.3474 %
Concentration per Run	5.0736 ppm	95.3600 %	98.9386 %	83.9973 %	103.5225 %	107.5410 %	102.4805 %
Concentration per Run	5.0835 ppm	95.6019 %	97.9791 %	83.8096 %	103.2135 %	106.9534 %	102.1923 %
Concentration RSD	0.3 %	0.2 %	0.5 %	0.2 %	0.2 %	0.4 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-11d2 WG2115232
 Analysis started at: 9/18/2025 4:00:02 PM
 Rack: 1
 Vial: 56
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	42.4899 ppm	0.0778 ppm	0.0365 ppm	1.1523 ppm	0.0025 ppm	970.7140 [SIC 1000]
Concentration per Run	0.0003 ppm	42.4685 ppm	0.0785 ppm	0.0371 ppm	1.1550 ppm	0.0025 ppm	966.3429 ppm
Concentration per Run	0.0003 ppm	42.2970 ppm	0.0778 ppm	0.0361 ppm	1.1454 ppm	0.0025 ppm	969.0364 ppm
Concentration per Run	0.0005 ppm	42.7043 ppm	0.0771 ppm	0.0362 ppm	1.1566 ppm	0.0024 ppm	976.7627 ppm
Concentration RSD	30.4 %	0.5 %	0.9 %	1.6 %	0.5 %	0.6 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0108 ppm	0.0597 ppm	0.0563 ppm	0.2505 ppm	109.5354 ppm	6.1216 ppm	0.1140 ppm
Concentration per Run	-0.0108 ppm	0.0601 ppm	0.0566 ppm	0.2514 ppm	109.4856 ppm	6.1664 ppm	0.1157 ppm
Concentration per Run	-0.0107 ppm	0.0593 ppm	0.0560 ppm	0.2501 ppm	108.8522 ppm	6.0620 ppm	0.1104 ppm
Concentration per Run	-0.0108 ppm	0.0596 ppm	0.0564 ppm	0.2500 ppm	110.2684 ppm	6.1364 ppm	0.1159 ppm
Concentration RSD	0.5 %	0.7 %	0.5 %	0.3 %	0.6 %	0.9 %	2.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	72.7144 ppm	2.1688 ppm	0.0026 ppm	1.5943 ppm	0.1179 ppm	0.3751 ppm	0.0009 ppm
Concentration per Run	73.0290 ppm	2.1645 ppm	0.0022 ppm	1.5965 ppm	0.1191 ppm	0.3765 ppm	0.0003 ppm
Concentration per Run	72.4066 ppm	2.1679 ppm	0.0029 ppm	1.5831 ppm	0.1173 ppm	0.3739 ppm	-0.0004 ppm
Concentration per Run	72.7077 ppm	2.1741 ppm	0.0027 ppm	1.6032 ppm	0.1172 ppm	0.3750 ppm	0.0029 ppm
Concentration RSD	0.4 %	0.2 %	13.4 %	0.6 %	0.9 %	0.4 %	187.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0014 ppm	1.9606 ppm	0.0173 ppm	1.7440 ppm	0.4814 ppm	-0.0004 ppm	0.1322 ppm
Concentration per Run	0.0028 ppm	1.9642 ppm	0.0169 ppm	1.7416 ppm	0.4827 ppm	-0.0002 ppm	0.1326 ppm
Concentration per Run	0.0015 ppm	1.9601 ppm	0.0177 ppm	1.7402 ppm	0.4801 ppm	-0.0011 ppm	0.1319 ppm
Concentration per Run	0.0001 ppm	1.9574 ppm	0.0173 ppm	1.7503 ppm	0.4813 ppm	0.0003 ppm	0.1322 ppm
Concentration RSD	91.7 %	0.2 %	2.2 %	0.3 %	0.3 %	197.8 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4897 ppm	93.4650 %	99.0711 %	82.3119 %	109.9140 %	116.3721 %	109.2897 %
Concentration per Run	0.4889 ppm	93.5099 %	99.5361 %	82.1794 %	110.0867 %	116.3802 %	109.1387 %
Concentration per Run	0.4904 ppm	93.5876 %	99.5867 %	82.3192 %	109.7728 %	117.0329 %	109.0913 %
Concentration per Run	0.4898 ppm	93.2974 %	98.0904 %	82.4370 %	109.8823 %	115.7034 %	109.6390 %
Concentration RSD	0.2 %	0.2 %	0.9 %	0.2 %	0.1 %	0.6 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-13d2 WG2115232
 Analysis started at: 9/18/2025 4:03:27 PM
 Rack: 1
 Vial: 57
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0085 ppm	54.6140 ppm	0.1950 ppm	0.0839 ppm	5.0539 ppm	0.0104 ppm	884.9508 [SIC 1000]
Concentration per Run	0.0086 ppm	54.5491 ppm	0.1951 ppm	0.0848 ppm	5.0871 ppm	0.0104 ppm	876.9019 ppm
Concentration per Run	0.0080 ppm	54.4500 ppm	0.1941 ppm	0.0848 ppm	4.9871 ppm	0.0104 ppm	890.3465 ppm
Concentration per Run	0.0089 ppm	54.8431 ppm	0.1956 ppm	0.0821 ppm	5.0876 ppm	0.0105 ppm	887.6039 ppm
Concentration RSD	5.8 %	0.4 %	0.4 %	1.8 %	1.1 %	0.5 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0418 ppm	0.1035 ppm	0.3457 ppm	4.4140 ppm	341.5374 ppm	6.9411 ppm	0.0664 ppm
Concentration per Run	0.0419 ppm	0.1037 ppm	0.3466 ppm	4.4165 ppm	340.2189 ppm	6.9794 ppm	0.0627 ppm
Concentration per Run	0.0421 ppm	0.1035 ppm	0.3454 ppm	4.4197 ppm	341.2235 ppm	6.8798 ppm	0.0715 ppm
Concentration per Run	0.0415 ppm	0.1034 ppm	0.3450 ppm	4.4059 ppm	343.1700 ppm	6.9642 ppm	0.0652 ppm
Concentration RSD	0.7 %	0.1 %	0.2 %	0.2 %	0.4 %	0.8 %	6.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	287.0376 ppm	3.4321 ppm	0.0330 ppm	4.3931 ppm	0.4544 ppm	34.5690 ppm	0.0587 ppm
Concentration per Run	287.5647 ppm	3.4169 ppm	0.0328 ppm	4.3911 ppm	0.4568 ppm	34.4404 ppm	0.0542 ppm
Concentration per Run	286.7335 ppm	3.4373 ppm	0.0330 ppm	4.3754 ppm	0.4546 ppm	34.5399 ppm	0.0613 ppm
Concentration per Run	286.8144 ppm	3.4420 ppm	0.0333 ppm	4.4128 ppm	0.4518 ppm	34.7267 ppm	0.0607 ppm
Concentration RSD	0.2 %	0.4 %	0.8 %	0.4 %	0.6 %	0.4 %	6.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0184 ppm	7.0321 ppm	0.5632 ppm	2.3567 ppm	2.3292 ppm	0.0000 ppm	0.3025 ppm
Concentration per Run	0.0192 ppm	7.0262 ppm	0.5622 ppm	2.3670 ppm	2.3363 ppm	-0.0004 ppm	0.3026 ppm
Concentration per Run	0.0158 ppm	7.0397 ppm	0.5643 ppm	2.3385 ppm	2.3268 ppm	-0.0010 ppm	0.3029 ppm
Concentration per Run	0.0202 ppm	7.0303 ppm	0.5629 ppm	2.3646 ppm	2.3247 ppm	0.0013 ppm	0.3019 ppm
Concentration RSD	12.5 %	0.1 %	0.2 %	0.7 %	0.3 %	7,005.8 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	13.1414 ppm	90.4135 %	96.7712 %	72.9163 %	101.1383 %	108.5428 %	97.1816 %
Concentration per Run	13.1711 ppm	90.5917 %	97.9365 %	72.9548 %	101.2886 %	109.6160 %	97.2155 %
Concentration per Run	13.1563 ppm	90.4924 %	95.7016 %	72.6568 %	101.3451 %	107.1901 %	96.8199 %
Concentration per Run	13.0969 ppm	90.1564 %	96.6756 %	73.1374 %	100.7814 %	108.8222 %	97.5093 %
Concentration RSD	0.3 %	0.3 %	1.2 %	0.3 %	0.3 %	1.1 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-14d2 WG2115232
 Analysis started at: 9/18/2025 4:06:54 PM
 Rack: 1
 Vial: 58
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0051 ppm	56.7195 ppm	0.3811 ppm	0.1029 ppm	2.9831 ppm	0.0050 ppm	306.2569 ppm
Concentration per Run	0.0051 ppm	56.8324 ppm	0.3842 ppm	0.1029 ppm	2.9977 ppm	0.0051 ppm	305.8696 ppm
Concentration per Run	0.0044 ppm	56.8664 ppm	0.3804 ppm	0.1035 ppm	2.9804 ppm	0.0051 ppm	307.9193 ppm
Concentration per Run	0.0057 ppm	56.4597 ppm	0.3788 ppm	0.1023 ppm	2.9713 ppm	0.0050 ppm	304.9818 ppm
Concentration RSD	12.7 %	0.4 %	0.7 %	0.6 %	0.4 %	0.6 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0139 ppm	0.1029 ppm	0.3936 ppm	1.7818 ppm	274.8352 ppm	9.2234 ppm	0.2179 ppm
Concentration per Run	0.0141 ppm	0.1029 ppm	0.3953 ppm	1.7887 ppm	275.3704 ppm	9.2568 ppm	0.2179 ppm
Concentration per Run	0.0137 ppm	0.1027 ppm	0.3945 ppm	1.7738 ppm	275.2380 ppm	9.2184 ppm	0.2195 ppm
Concentration per Run	0.0140 ppm	0.1032 ppm	0.3911 ppm	1.7827 ppm	273.8970 ppm	9.1949 ppm	0.2164 ppm
Concentration RSD	1.3 %	0.2 %	0.6 %	0.4 %	0.3 %	0.3 %	0.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	109.7967 ppm	2.6720 ppm	0.0189 ppm	6.5888 ppm	0.7077 ppm	12.0425 ppm	0.0129 ppm
Concentration per Run	110.0959 ppm	2.6767 ppm	0.0189 ppm	6.5985 ppm	0.7124 ppm	12.0949 ppm	0.0130 ppm
Concentration per Run	110.1557 ppm	2.6786 ppm	0.0190 ppm	6.5934 ppm	0.7092 ppm	12.0502 ppm	0.0124 ppm
Concentration per Run	109.1387 ppm	2.6608 ppm	0.0188 ppm	6.5743 ppm	0.7013 ppm	11.9825 ppm	0.0133 ppm
Concentration RSD	0.5 %	0.4 %	0.4 %	0.2 %	0.8 %	0.5 %	3.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0813 ppm	4.2505 ppm	0.3022 ppm	1.5287 ppm	2.3042 ppm	0.0075 ppm	0.3315 ppm
Concentration per Run	0.0801 ppm	4.2652 ppm	0.3040 ppm	1.5344 ppm	2.3106 ppm	0.0076 ppm	0.3325 ppm
Concentration per Run	0.0821 ppm	4.2640 ppm	0.3012 ppm	1.5249 ppm	2.3074 ppm	0.0061 ppm	0.3322 ppm
Concentration per Run	0.0817 ppm	4.2223 ppm	0.3013 ppm	1.5268 ppm	2.2946 ppm	0.0089 ppm	0.3298 ppm
Concentration RSD	1.3 %	0.6 %	0.5 %	0.3 %	0.4 %	18.4 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	5.7583 ppm	98.8949 %	103.4474 %	83.0998 %	114.3239 %	120.4335 %	110.9240 %
Concentration per Run	5.7987 ppm	98.7766 %	104.1702 %	82.5534 %	114.3896 %	121.2208 %	110.3179 %
Concentration per Run	5.7428 ppm	98.5287 %	102.3429 %	83.4603 %	113.8762 %	119.9296 %	111.4240 %
Concentration per Run	5.7334 ppm	99.3794 %	103.8290 %	83.2859 %	114.7060 %	120.1500 %	111.0300 %
Concentration RSD	0.6 %	0.4 %	0.9 %	0.6 %	0.4 %	0.6 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-15d2 WG2115232
 Analysis started at: 9/18/2025 4:10:21 PM
 Rack: 1
 Vial: 59
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0041 ppm	68.3270 ppm	0.4218 ppm	0.0922 ppm	2.9375 ppm	0.0070 ppm	428.8542 ppm
Concentration per Run	0.0050 ppm	68.6335 ppm	0.4228 ppm	0.0916 ppm	2.9494 ppm	0.0071 ppm	428.5793 ppm
Concentration per Run	0.0035 ppm	68.4414 ppm	0.4160 ppm	0.0927 ppm	2.9421 ppm	0.0070 ppm	427.8146 ppm
Concentration per Run	0.0039 ppm	67.9061 ppm	0.4267 ppm	0.0924 ppm	2.9212 ppm	0.0070 ppm	430.1686 ppm
Concentration RSD	18.8 %	0.6 %	1.3 %	0.6 %	0.5 %	1.0 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0075 ppm	0.0988 ppm	0.2703 ppm	1.4705 ppm	378.7525 ppm	8.3170 ppm	0.1726 ppm
Concentration per Run	0.0075 ppm	0.0987 ppm	0.2698 ppm	1.4651 ppm	379.6809 ppm	8.3935 ppm	0.1738 ppm
Concentration per Run	0.0077 ppm	0.1002 ppm	0.2712 ppm	1.4712 ppm	378.8046 ppm	8.3286 ppm	0.1718 ppm
Concentration per Run	0.0074 ppm	0.0974 ppm	0.2700 ppm	1.4753 ppm	377.7720 ppm	8.2287 ppm	0.1722 ppm
Concentration RSD	1.9 %	1.4 %	0.3 %	0.3 %	0.3 %	1.0 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	83.3725 ppm	2.8032 ppm	0.0195 ppm	11.1735 ppm	0.4764 ppm	20.6622 ppm	0.0234 ppm
Concentration per Run	83.2746 ppm	2.8064 ppm	0.0201 ppm	11.1353 ppm	0.4751 ppm	20.7035 ppm	0.0261 ppm
Concentration per Run	83.6377 ppm	2.8037 ppm	0.0195 ppm	11.1995 ppm	0.4797 ppm	20.6385 ppm	0.0232 ppm
Concentration per Run	83.2053 ppm	2.7997 ppm	0.0190 ppm	11.1857 ppm	0.4744 ppm	20.6447 ppm	0.0209 ppm
Concentration RSD	0.3 %	0.1 %	2.9 %	0.3 %	0.6 %	0.2 %	11.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0484 ppm	4.3836 ppm	0.2069 ppm	1.9920 ppm	2.0123 ppm	0.0060 ppm	0.3081 ppm
Concentration per Run	0.0502 ppm	4.3732 ppm	0.2062 ppm	1.9963 ppm	2.0197 ppm	0.0067 ppm	0.3078 ppm
Concentration per Run	0.0481 ppm	4.3926 ppm	0.2073 ppm	1.9906 ppm	2.0131 ppm	0.0064 ppm	0.3083 ppm
Concentration per Run	0.0469 ppm	4.3851 ppm	0.2072 ppm	1.9892 ppm	2.0042 ppm	0.0050 ppm	0.3080 ppm
Concentration RSD	3.5 %	0.2 %	0.3 %	0.2 %	0.4 %	15.4 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	6.8021 ppm	96.5764 %	101.2049 %	79.7357 %	107.6046 %	113.6344 %	104.0395 %
Concentration per Run	6.7931 ppm	96.9810 %	100.6703 %	79.5335 %	107.5910 %	112.3174 %	103.9860 %
Concentration per Run	6.8183 ppm	96.6724 %	101.2341 %	79.7151 %	107.7564 %	113.2690 %	103.6631 %
Concentration per Run	6.7950 ppm	96.0759 %	101.7105 %	79.9585 %	107.4665 %	115.3168 %	104.4694 %
Concentration RSD	0.2 %	0.5 %	0.5 %	0.3 %	0.1 %	1.3 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
 Analysis started at: 9/18/2025 4:17:04 PM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4898 ppm	0.4825 ppm	0.4904 ppm	0.4921 ppm	0.5028 ppm	0.5222 ppm	0.5297 ppm
Concentration per Run	0.4887 ppm	0.4813 ppm	0.4899 ppm	0.4892 ppm	0.5056 ppm	0.5242 ppm	0.5317 ppm
Concentration per Run	0.4913 ppm	0.4831 ppm	0.4901 ppm	0.4906 ppm	0.4999 ppm	0.5230 ppm	0.5309 ppm
Concentration per Run	0.4895 ppm	0.4831 ppm	0.4911 ppm	0.4965 ppm	0.5027 ppm	0.5193 ppm	0.5265 ppm
Recovery Percentage	97.964 %	96.501 %	98.073 %	98.423 %	100.551 %	104.435 %	105.932 %
Concentration RSD	0.3 %	0.2 %	0.1 %	0.8 %	0.6 %	0.5 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5104 ppm	0.5099 ppm	0.5053 ppm	0.5135 ppm	0.5253 ppm	5.1023 ppm	0.5391 ppm
Concentration per Run	0.5083 ppm	0.5085 ppm	0.5036 ppm	0.5121 ppm	0.5293 ppm	5.1475 ppm	0.5410 ppm
Concentration per Run	0.5117 ppm	0.5093 ppm	0.5075 ppm	0.5124 ppm	0.5237 ppm	5.0960 ppm	0.5387 ppm
Concentration per Run	0.5111 ppm	0.5118 ppm	0.5047 ppm	0.5161 ppm	0.5229 ppm	5.0632 ppm	0.5375 ppm
Recovery Percentage	102.076 %	101.971 %	101.050 %	102.705 %	105.060 %	102.045 %	107.817 %
Concentration RSD	0.4 %	0.3 %	0.4 %	0.4 %	0.7 %	0.8 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5090 ppm	0.5178 ppm	0.4964 ppm	10.4763 ppm	0.5188 ppm	0.4992 ppm	0.5192 ppm
Concentration per Run	0.5079 ppm	0.5201 ppm	0.4912 ppm	10.4975 ppm	0.5142 ppm	0.4993 ppm	0.5171 ppm
Concentration per Run	0.5121 ppm	0.5164 ppm	0.4987 ppm	10.5022 ppm	0.5211 ppm	0.4983 ppm	0.5211 ppm
Concentration per Run	0.5068 ppm	0.5169 ppm	0.4994 ppm	10.4293 ppm	0.5210 ppm	0.5000 ppm	0.5195 ppm
Recovery Percentage	101.793 %	103.563 %	99.287 %	104.763 %	103.752 %	99.839 %	103.845 %
Concentration RSD	0.5 %	0.4 %	0.9 %	0.4 %	0.8 %	0.2 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4973 ppm	5.4827 ppm	0.5075 ppm	0.5172 ppm	0.5068 ppm	0.5156 ppm	0.5123 ppm
Concentration per Run	0.4959 ppm	5.4472 ppm	0.5040 ppm	0.5178 ppm	0.5053 ppm	0.5171 ppm	0.5118 ppm
Concentration per Run	0.4944 ppm	5.5009 ppm	0.5101 ppm	0.5183 ppm	0.5094 ppm	0.5156 ppm	0.5124 ppm
Concentration per Run	0.5018 ppm	5.5000 ppm	0.5084 ppm	0.5156 ppm	0.5056 ppm	0.5142 ppm	0.5127 ppm
Recovery Percentage	99.467 %	104.433 %	101.495 %	103.443 %	101.355 %	103.127 %	102.460 %
Concentration RSD	0.8 %	0.6 %	0.6 %	0.3 %	0.5 %	0.3 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5035 ppm	105.4075 %	102.1534 %	100.0451 %	105.7888 %	101.3786 %	102.5015 %
Concentration per Run	0.5002 ppm	105.8394 %	101.7881 %	100.5948 %	105.7623 %	101.4481 %	102.9490 %
Concentration per Run	0.5078 ppm	104.8740 %	101.9754 %	99.6945 %	105.6922 %	100.8254 %	102.2264 %
Concentration per Run	0.5024 ppm	105.5090 %	102.6966 %	99.8459 %	105.9119 %	101.8625 %	102.3291 %
Recovery Percentage	100.694 %						
Concentration RSD	0.8 %	0.5 %	0.5 %	0.5 %	0.1 %	0.5 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 4:20:36 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0081 ppm	0.0013 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0142 ppm
Concentration per Run	-0.0001 ppm	-0.0075 ppm	0.0000 ppm	0.0007 ppm	0.0002 ppm	0.0001 ppm	0.0130 ppm
Concentration per Run	0.0000 ppm	-0.0084 ppm	0.0027 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0141 ppm
Concentration per Run	-0.0001 ppm	-0.0082 ppm	0.0013 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0153 ppm
Recovery Percentage	-0.864 %	-8.067 %	26.476 %	3.419 %	1.227 %	1.222 %	14.159 %
Concentration RSD	53.3 %	5.8 %	101.9 %	37.5 %	41.4 %	38.6 %	8.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0002 ppm	0.0073 ppm	0.0083 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0004 ppm	-0.0001 ppm	0.0071 ppm	-0.0029 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0003 ppm	-0.0002 ppm	0.0077 ppm	0.0225 ppm	-0.0008 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	-0.0001 ppm	-0.0002 ppm	0.0072 ppm	0.0054 ppm	0.0003 ppm
Recovery Percentage	3.385 %	1.429 %	2.132 %	-1.651 %	14.647 %	0.334 %	-2.705 %
Concentration RSD	6.1 %	307.2 %	118.6 %	39.9 %	4.1 %	155.1 %	203.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0031 ppm	0.0002 ppm	0.0038 ppm	0.0347 ppm	-0.0007 ppm	-0.0006 ppm	-0.0012 ppm
Concentration per Run	0.0026 ppm	0.0003 ppm	0.0039 ppm	0.0330 ppm	-0.0006 ppm	-0.0015 ppm	-0.0007 ppm
Concentration per Run	0.0023 ppm	0.0002 ppm	0.0037 ppm	0.0372 ppm	-0.0009 ppm	-0.0002 ppm	-0.0014 ppm
Concentration per Run	0.0043 ppm	0.0001 ppm	0.0039 ppm	0.0340 ppm	-0.0005 ppm	0.0000 ppm	-0.0014 ppm
Recovery Percentage	3.077 %	2.229 %	7.633 %	1.736 %	-2.621 %	-5.841 %	-2.390 %
Concentration RSD	34.3 %	42.1 %	3.1 %	6.3 %	27.9 %	134.4 %	35.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0032 ppm	0.0022 ppm	0.0016 ppm	0.0000 ppm	0.0010 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run	0.0039 ppm	0.0029 ppm	0.0015 ppm	0.0001 ppm	0.0010 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run	0.0035 ppm	0.0018 ppm	0.0013 ppm	0.0000 ppm	0.0011 ppm	0.0015 ppm	0.0000 ppm
Concentration per Run	0.0022 ppm	0.0018 ppm	0.0020 ppm	0.0001 ppm	0.0010 ppm	0.0020 ppm	0.0000 ppm
Recovery Percentage	31.765 %	0.435 %	3.292 %	0.375 %	10.356 %	8.400 %	-0.400 %
Concentration RSD	28.6 %	29.7 %	22.0 %	185.2 %	5.1 %	16.7 %	57.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	104.2474 %	101.5237 %	101.1552 %	106.2531 %	103.5543 %	102.8698 %
Concentration per Run	0.0005 ppm	104.2145 %	101.4056 %	100.7830 %	106.2134 %	102.9515 %	102.3529 %
Concentration per Run	0.0003 ppm	104.2179 %	101.2443 %	101.8821 %	106.1452 %	104.5891 %	103.3431 %
Concentration per Run	0.0003 ppm	104.3099 %	101.9210 %	100.8003 %	106.4007 %	103.1222 %	102.9134 %
Recovery Percentage	7.094 %						
Concentration RSD	32.5 %	0.1 %	0.3 %	0.6 %	0.1 %	0.9 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-16d2 WG2115232
 Analysis started at: 9/18/2025 4:26:38 PM
 Rack: 1
 Vial: 60
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0036 ppm	39.8168 ppm	0.1377 ppm	0.0543 ppm	1.1386 ppm	0.0058 ppm	113.8662 ppm
Concentration per Run	0.0035 ppm	39.9600 ppm	0.1391 ppm	0.0533 ppm	1.1376 ppm	0.0058 ppm	115.1966 ppm
Concentration per Run	0.0037 ppm	39.7449 ppm	0.1384 ppm	0.0557 ppm	1.1477 ppm	0.0058 ppm	113.4065 ppm
Concentration per Run	0.0036 ppm	39.7453 ppm	0.1354 ppm	0.0540 ppm	1.1304 ppm	0.0058 ppm	112.9954 ppm
Concentration RSD	3.3 %	0.3 %	1.4 %	2.2 %	0.8 %	0.2 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0148 ppm	0.1114 ppm	0.1547 ppm	2.4064 ppm	241.4175 ppm	5.6553 ppm	0.0708 ppm
Concentration per Run	0.0148 ppm	0.1104 ppm	0.1529 ppm	2.3982 ppm	243.5524 ppm	5.6942 ppm	0.0712 ppm
Concentration per Run	0.0150 ppm	0.1126 ppm	0.1557 ppm	2.4108 ppm	241.7752 ppm	5.6685 ppm	0.0707 ppm
Concentration per Run	0.0147 ppm	0.1113 ppm	0.1554 ppm	2.4101 ppm	238.9249 ppm	5.6032 ppm	0.0705 ppm
Concentration RSD	0.9 %	1.0 %	1.0 %	0.3 %	1.0 %	0.8 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	15.5613 ppm	1.8688 ppm	0.0116 ppm	5.2353 ppm	0.2899 ppm	4.5943 ppm	0.0122 ppm
Concentration per Run	15.4301 ppm	1.8837 ppm	0.0114 ppm	5.2315 ppm	0.2859 ppm	4.5742 ppm	0.0096 ppm
Concentration per Run	15.6466 ppm	1.8648 ppm	0.0117 ppm	5.2279 ppm	0.2914 ppm	4.6122 ppm	0.0133 ppm
Concentration per Run	15.6070 ppm	1.8579 ppm	0.0117 ppm	5.2464 ppm	0.2925 ppm	4.5965 ppm	0.0136 ppm
Concentration RSD	0.7 %	0.7 %	1.6 %	0.2 %	1.2 %	0.4 %	18.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0285 ppm	4.2779 ppm	0.2547 ppm	0.6608 ppm	1.7362 ppm	0.0006 ppm	0.1996 ppm
Concentration per Run	0.0270 ppm	4.2530 ppm	0.2508 ppm	0.6600 ppm	1.7310 ppm	0.0019 ppm	0.1988 ppm
Concentration per Run	0.0283 ppm	4.2807 ppm	0.2577 ppm	0.6637 ppm	1.7420 ppm	0.0007 ppm	0.2001 ppm
Concentration per Run	0.0302 ppm	4.3002 ppm	0.2556 ppm	0.6589 ppm	1.7356 ppm	-0.0009 ppm	0.2000 ppm
Concentration RSD	5.7 %	0.6 %	1.4 %	0.4 %	0.3 %	244.5 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	3.3002 ppm	97.9528 %	104.3237 %	87.2041 %	106.0387 %	114.1366 %	104.8460 %
Concentration per Run	3.2682 ppm	98.3594 %	103.3414 %	86.7896 %	106.2199 %	113.5723 %	104.4871 %
Concentration per Run	3.3139 ppm	97.7472 %	104.3289 %	87.1567 %	105.8515 %	113.4928 %	104.5826 %
Concentration per Run	3.3183 ppm	97.7520 %	105.3007 %	87.6659 %	106.0449 %	115.3446 %	105.4682 %
Concentration RSD	0.8 %	0.4 %	0.9 %	0.5 %	0.2 %	0.9 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-17d2 WG2115232
 Analysis started at: 9/18/2025 4:30:20 PM
 Rack: 2
 Vial: 1
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0029 ppm	56.8649 ppm	0.0678 ppm	0.0161 ppm	15.9337 [SIC 20]	0.0043 ppm	54.7441 ppm
Concentration per Run	0.0029 ppm	56.8305 ppm	0.0675 ppm	0.0146 ppm	15.9042 ppm	0.0043 ppm	54.5020 ppm
Concentration per Run	0.0029 ppm	57.0048 ppm	0.0668 ppm	0.0162 ppm	16.0425 ppm	0.0043 ppm	54.9329 ppm
Concentration per Run	0.0029 ppm	56.7596 ppm	0.0690 ppm	0.0174 ppm	15.8542 ppm	0.0043 ppm	54.7975 ppm
Concentration RSD	1.4 %	0.2 %	1.6 %	8.6 %	0.6 %	0.6 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0084 ppm	0.0797 ppm	0.4116 ppm	0.6949 ppm	157.7632 ppm	10.3043 ppm	0.1011 ppm
Concentration per Run	0.0085 ppm	0.0796 ppm	0.4130 ppm	0.6967 ppm	157.7660 ppm	10.3147 ppm	0.1027 ppm
Concentration per Run	0.0082 ppm	0.0798 ppm	0.4096 ppm	0.6959 ppm	158.4093 ppm	10.3474 ppm	0.1004 ppm
Concentration per Run	0.0085 ppm	0.0798 ppm	0.4122 ppm	0.6922 ppm	157.1143 ppm	10.2507 ppm	0.1003 ppm
Concentration RSD	2.2 %	0.1 %	0.4 %	0.3 %	0.4 %	0.5 %	1.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	33.5529 ppm	1.8031 ppm	0.0075 ppm	1.6406 ppm	0.4057 ppm	100.3164 ppm	0.0077 ppm
Concentration per Run	33.7827 ppm	1.7991 ppm	0.0074 ppm	1.6379 ppm	0.4079 ppm	99.9997 ppm	0.0060 ppm
Concentration per Run	33.4493 ppm	1.8079 ppm	0.0077 ppm	1.6432 ppm	0.4031 ppm	100.5046 ppm	0.0091 ppm
Concentration per Run	33.4268 ppm	1.8023 ppm	0.0073 ppm	1.6406 ppm	0.4061 ppm	100.4450 ppm	0.0081 ppm
Concentration RSD	0.6 %	0.2 %	2.7 %	0.2 %	0.6 %	0.3 %	20.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0081 ppm	2.2297 ppm	0.0673 ppm	0.3889 ppm	2.9213 ppm	0.0016 ppm	0.2684 ppm
Concentration per Run	0.0071 ppm	2.2304 ppm	0.0669 ppm	0.3906 ppm	2.9277 ppm	0.0017 ppm	0.2692 ppm
Concentration per Run	0.0093 ppm	2.2295 ppm	0.0681 ppm	0.3901 ppm	2.9137 ppm	0.0017 ppm	0.2681 ppm
Concentration per Run	0.0078 ppm	2.2291 ppm	0.0667 ppm	0.3861 ppm	2.9226 ppm	0.0015 ppm	0.2679 ppm
Concentration RSD	13.8 %	0.0 %	1.2 %	0.6 %	0.2 %	7.5 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	4.1864 ppm	105.1152 %	106.7512 %	89.5291 %	121.8930 %	123.6680 %	117.9449 %
Concentration per Run	4.2038 ppm	104.9902 %	106.7798 %	90.2016 %	121.4041 %	123.2959 %	118.4606 %
Concentration per Run	4.1425 ppm	104.9987 %	106.4488 %	89.5415 %	122.0323 %	123.4451 %	118.2343 %
Concentration per Run	4.2130 ppm	105.3567 %	107.0250 %	88.8442 %	122.2425 %	124.2631 %	117.1398 %
Concentration RSD	0.9 %	0.2 %	0.3 %	0.8 %	0.4 %	0.4 %	0.6 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-18d2 WG2115232
 Analysis started at: 9/18/2025 4:37:40 PM
 Rack: 2
 Vial: 2
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0012 ppm	70.3353 ppm	0.0661 ppm	0.0233 ppm	3.4333 ppm	0.0045 ppm	55.3375 ppm
Concentration per Run	0.0009 ppm	70.1556 ppm	0.0672 ppm	0.0219 ppm	3.4194 ppm	0.0046 ppm	55.2409 ppm
Concentration per Run	0.0015 ppm	70.1118 ppm	0.0655 ppm	0.0230 ppm	3.4310 ppm	0.0045 ppm	55.2077 ppm
Concentration per Run	0.0012 ppm	70.7385 ppm	0.0655 ppm	0.0251 ppm	3.4496 ppm	0.0045 ppm	55.5640 ppm
Concentration RSD	23.6 %	0.5 %	1.5 %	7.0 %	0.4 %	0.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0145 ppm	0.0654 ppm	0.1543 ppm	0.5431 ppm	176.3975 ppm	8.9107 ppm	0.0996 ppm
Concentration per Run	0.0144 ppm	0.0649 ppm	0.1540 ppm	0.5457 ppm	176.3899 ppm	8.8568 ppm	0.1005 ppm
Concentration per Run	0.0148 ppm	0.0657 ppm	0.1546 ppm	0.5418 ppm	175.7236 ppm	8.8939 ppm	0.0985 ppm
Concentration per Run	0.0143 ppm	0.0657 ppm	0.1542 ppm	0.5418 ppm	177.0791 ppm	8.9813 ppm	0.0998 ppm
Concentration RSD	1.6 %	0.7 %	0.2 %	0.4 %	0.4 %	0.7 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	23.9105 ppm	3.6925 ppm	0.0062 ppm	4.3354 ppm	0.1594 ppm	2.6268 ppm	0.0045 ppm
Concentration per Run	23.7350 ppm	3.6917 ppm	0.0063 ppm	4.3298 ppm	0.1586 ppm	2.6021 ppm	0.0015 ppm
Concentration per Run	23.9513 ppm	3.6887 ppm	0.0060 ppm	4.3173 ppm	0.1600 ppm	2.6578 ppm	0.0056 ppm
Concentration per Run	24.0451 ppm	3.6972 ppm	0.0065 ppm	4.3590 ppm	0.1597 ppm	2.6207 ppm	0.0065 ppm
Concentration RSD	0.7 %	0.1 %	4.0 %	0.5 %	0.5 %	1.1 %	59.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0058 ppm	3.9407 ppm	0.0834 ppm	0.3085 ppm	2.6816 ppm	-0.0003 ppm	0.2354 ppm
Concentration per Run	0.0072 ppm	3.9244 ppm	0.0821 ppm	0.3095 ppm	2.6846 ppm	-0.0016 ppm	0.2349 ppm
Concentration per Run	0.0037 ppm	3.9319 ppm	0.0837 ppm	0.3074 ppm	2.6753 ppm	-0.0002 ppm	0.2353 ppm
Concentration per Run	0.0066 ppm	3.9658 ppm	0.0843 ppm	0.3084 ppm	2.6850 ppm	0.0009 ppm	0.2359 ppm
Concentration RSD	32.1 %	0.6 %	1.4 %	0.3 %	0.2 %	409.0 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	4.5195 ppm	98.6611 %	101.9508 %	89.8894 %	113.7883 %	128.9995 %	115.0371 %
Concentration per Run	4.4947 ppm	99.1470 %	102.8014 %	89.7883 %	114.5191 %	130.6884 %	114.3793 %
Concentration per Run	4.5493 ppm	98.7556 %	102.2042 %	89.5625 %	113.4773 %	128.3911 %	115.1680 %
Concentration per Run	4.5147 ppm	98.0808 %	100.8469 %	90.3174 %	113.3685 %	127.9192 %	115.5641 %
Concentration RSD	0.6 %	0.5 %	1.0 %	0.4 %	0.6 %	1.1 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-19d2 WG2115232
 Analysis started at: 9/18/2025 4:41:22 PM
 Rack: 2
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	56.6634 ppm	0.0304 ppm	0.0464 ppm	0.4901 ppm	0.0027 ppm	361.1481 ppm
Concentration per Run	0.0008 ppm	57.1848 ppm	0.0316 ppm	0.0466 ppm	0.4967 ppm	0.0027 ppm	357.1248 ppm
Concentration per Run	0.0006 ppm	57.0773 ppm	0.0291 ppm	0.0455 ppm	0.4980 ppm	0.0027 ppm	355.5641 ppm
Concentration per Run	0.0000 ppm	55.7281 ppm	0.0304 ppm	0.0470 ppm	0.4754 ppm	0.0028 ppm	370.7554 ppm
Concentration RSD	95.9 %	1.4 %	4.1 %	1.7 %	2.6 %	2.1 %	2.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0026 ppm	0.0332 ppm	0.1181 ppm	0.1922 ppm	101.8581 ppm	6.6600 ppm	0.0773 ppm
Concentration per Run	-0.0025 ppm	0.0333 ppm	0.1178 ppm	0.1923 ppm	101.5732 ppm	6.7284 ppm	0.0768 ppm
Concentration per Run	-0.0025 ppm	0.0335 ppm	0.1177 ppm	0.1924 ppm	101.8129 ppm	6.7083 ppm	0.0783 ppm
Concentration per Run	-0.0027 ppm	0.0328 ppm	0.1188 ppm	0.1919 ppm	102.1883 ppm	6.5432 ppm	0.0767 ppm
Concentration RSD	5.0 %	1.0 %	0.5 %	0.1 %	0.3 %	1.5 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	43.0917 ppm	2.1763 ppm	0.0037 ppm	3.0046 ppm	0.0981 ppm	0.3482 ppm	0.0032 ppm
Concentration per Run	43.1048 ppm	2.1748 ppm	0.0033 ppm	2.9919 ppm	0.0982 ppm	0.3472 ppm	0.0025 ppm
Concentration per Run	42.9346 ppm	2.1705 ppm	0.0041 ppm	2.9997 ppm	0.0977 ppm	0.3481 ppm	0.0026 ppm
Concentration per Run	43.2356 ppm	2.1836 ppm	0.0036 ppm	3.0221 ppm	0.0984 ppm	0.3493 ppm	0.0046 ppm
Concentration RSD	0.4 %	0.3 %	11.9 %	0.5 %	0.4 %	0.3 %	37.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0013 ppm	3.2823 ppm	0.0141 ppm	1.8531 ppm	2.0463 ppm	-0.0002 ppm	0.1336 ppm
Concentration per Run	0.0015 ppm	3.2740 ppm	0.0132 ppm	1.8427 ppm	2.0610 ppm	0.0002 ppm	0.1332 ppm
Concentration per Run	0.0014 ppm	3.2570 ppm	0.0148 ppm	1.8568 ppm	2.0462 ppm	-0.0003 ppm	0.1335 ppm
Concentration per Run	0.0011 ppm	3.3159 ppm	0.0143 ppm	1.8597 ppm	2.0316 ppm	-0.0005 ppm	0.1342 ppm
Concentration RSD	15.6 %	0.9 %	5.9 %	0.5 %	0.7 %	174.1 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4401 ppm	97.6759 %	100.2675 %	86.0943 %	111.0321 %	117.1999 %	109.7080 %
Concentration per Run	0.4396 ppm	98.1968 %	101.4834 %	86.0311 %	111.3581 %	115.3948 %	109.8918 %
Concentration per Run	0.4406 ppm	98.4208 %	102.1544 %	85.6015 %	111.9073 %	116.6195 %	109.1178 %
Concentration per Run	0.4401 ppm	96.4100 %	97.1645 %	86.6504 %	109.8308 %	119.5853 %	110.1145 %
Concentration RSD	0.1 %	1.1 %	2.7 %	0.6 %	1.0 %	1.8 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-02d4 WG2115232
 Analysis started at: 9/18/2025 4:46:29 PM
 Rack: 2
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0029 ppm	20.1921 ppm	0.1042 ppm	0.0428 ppm	1.6359 ppm	0.0063 ppm	607.3876 ppm
Concentration per Run	0.0030 ppm	20.1614 ppm	0.1043 ppm	0.0432 ppm	1.6330 ppm	0.0063 ppm	607.3913 ppm
Concentration per Run	0.0025 ppm	20.3007 ppm	0.1018 ppm	0.0426 ppm	1.6321 ppm	0.0063 ppm	604.9525 ppm
Concentration per Run	0.0032 ppm	20.1143 ppm	0.1066 ppm	0.0427 ppm	1.6425 ppm	0.0063 ppm	609.8190 ppm
Concentration RSD	11.6 %	0.5 %	2.3 %	0.7 %	0.4 %	0.4 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0028 ppm	0.0534 ppm	0.1737 ppm	1.5399 ppm	165.3901 ppm	2.5968 ppm	0.0249 ppm
Concentration per Run	0.0027 ppm	0.0536 ppm	0.1745 ppm	1.5446 ppm	165.2082 ppm	2.6021 ppm	0.0285 ppm
Concentration per Run	0.0028 ppm	0.0530 ppm	0.1732 ppm	1.5367 ppm	164.9957 ppm	2.5840 ppm	0.0251 ppm
Concentration per Run	0.0028 ppm	0.0537 ppm	0.1732 ppm	1.5385 ppm	165.9664 ppm	2.6042 ppm	0.0211 ppm
Concentration RSD	2.1 %	0.6 %	0.4 %	0.3 %	0.3 %	0.4 %	14.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	348.0630 ppm	1.5388 ppm	0.0182 ppm	0.8694 ppm	0.3845 ppm	3.8057 ppm	0.0116 ppm
Concentration per Run	347.8042 ppm	1.5366 ppm	0.0178 ppm	0.8685 ppm	0.3846 ppm	3.8107 ppm	0.0109 ppm
Concentration per Run	347.2359 ppm	1.5393 ppm	0.0180 ppm	0.8673 ppm	0.3846 ppm	3.7960 ppm	0.0124 ppm
Concentration per Run	349.1487 ppm	1.5406 ppm	0.0187 ppm	0.8724 ppm	0.3845 ppm	3.8105 ppm	0.0114 ppm
Concentration RSD	0.3 %	0.1 %	2.7 %	0.3 %	0.0 %	0.2 %	6.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0025 ppm	7.1754 ppm	0.9124 ppm	0.6121 ppm	0.9906 ppm	-0.0006 ppm	0.1001 ppm
Concentration per Run	0.0035 ppm	7.1926 ppm	0.9147 ppm	0.6108 ppm	0.9906 ppm	0.0010 ppm	0.1000 ppm
Concentration per Run	0.0032 ppm	7.1632 ppm	0.9097 ppm	0.6110 ppm	0.9901 ppm	-0.0024 ppm	0.0998 ppm
Concentration per Run	0.0007 ppm	7.1702 ppm	0.9128 ppm	0.6145 ppm	0.9910 ppm	-0.0003 ppm	0.1004 ppm
Concentration RSD	63.4 %	0.2 %	0.3 %	0.3 %	0.0 %	303.0 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	6.1907 ppm	88.0924 %	95.2976 %	76.2655 %	91.1973 %	100.0496 %	89.4180 %
Concentration per Run	6.2088 ppm	87.9940 %	95.3012 %	76.0638 %	91.0407 %	99.7283 %	88.9495 %
Concentration per Run	6.1643 ppm	88.0383 %	95.3836 %	76.5655 %	91.0498 %	99.8934 %	89.7018 %
Concentration per Run	6.1991 ppm	88.2448 %	95.2079 %	76.1673 %	91.5015 %	100.5271 %	89.6029 %
Concentration RSD	0.4 %	0.2 %	0.1 %	0.3 %	0.3 %	0.4 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-08d4 WG2115232
 Analysis started at: 9/18/2025 4:50:05 PM
 Rack: 2
 Vial: 5
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	28.0620 ppm	0.0492 ppm	0.0204 ppm	6.5769 ppm	0.0018 ppm	123.0806 ppm
Concentration per Run	0.0009 ppm	28.0330 ppm	0.0499 ppm	0.0203 ppm	6.5549 ppm	0.0018 ppm	123.8021 ppm
Concentration per Run	0.0014 ppm	27.9945 ppm	0.0469 ppm	0.0211 ppm	6.5793 ppm	0.0019 ppm	122.7739 ppm
Concentration per Run	0.0009 ppm	28.1584 ppm	0.0509 ppm	0.0199 ppm	6.5966 ppm	0.0018 ppm	122.6657 ppm
Concentration RSD	25.2 %	0.3 %	4.3 %	2.9 %	0.3 %	0.9 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0018 ppm	0.0304 ppm	0.1196 ppm	0.1589 ppm	101.1290 ppm	5.1897 ppm	0.0393 ppm
Concentration per Run	0.0018 ppm	0.0305 ppm	0.1202 ppm	0.1589 ppm	101.4804 ppm	5.2058 ppm	0.0402 ppm
Concentration per Run	0.0018 ppm	0.0304 ppm	0.1194 ppm	0.1589 ppm	100.7838 ppm	5.1604 ppm	0.0398 ppm
Concentration per Run	0.0018 ppm	0.0305 ppm	0.1193 ppm	0.1589 ppm	101.1226 ppm	5.2030 ppm	0.0379 ppm
Concentration RSD	2.0 %	0.2 %	0.4 %	0.0 %	0.3 %	0.5 %	3.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	15.6424 ppm	1.0831 ppm	0.0021 ppm	1.3017 ppm	0.1600 ppm	11.3213 ppm	0.0004 ppm
Concentration per Run	15.8080 ppm	1.0861 ppm	0.0014 ppm	1.3069 ppm	0.1613 ppm	11.3466 ppm	0.0013 ppm
Concentration per Run	15.5642 ppm	1.0785 ppm	0.0026 ppm	1.2983 ppm	0.1589 ppm	11.2465 ppm	-0.0005 ppm
Concentration per Run	15.5549 ppm	1.0847 ppm	0.0022 ppm	1.2998 ppm	0.1599 ppm	11.3709 ppm	0.0004 ppm
Concentration RSD	0.9 %	0.4 %	28.4 %	0.4 %	0.8 %	0.6 %	218.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0050 ppm	2.7375 ppm	0.0420 ppm	0.3102 ppm	1.3988 ppm	0.0005 ppm	0.1344 ppm
Concentration per Run	0.0057 ppm	2.7636 ppm	0.0427 ppm	0.3090 ppm	1.4036 ppm	0.0010 ppm	0.1351 ppm
Concentration per Run	0.0044 ppm	2.7141 ppm	0.0425 ppm	0.3090 ppm	1.3982 ppm	-0.0003 ppm	0.1338 ppm
Concentration per Run	0.0050 ppm	2.7347 ppm	0.0408 ppm	0.3126 ppm	1.3947 ppm	0.0007 ppm	0.1345 ppm
Concentration RSD	12.7 %	0.9 %	2.6 %	0.7 %	0.3 %	134.8 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	2.9698 ppm	102.3645 %	103.1156 %	90.6720 %	109.1214 %	109.5982 %	106.2005 %
Concentration per Run	3.0275 ppm	101.7163 %	103.2715 %	90.2757 %	108.7249 %	110.4547 %	106.1350 %
Concentration per Run	2.9398 ppm	102.8280 %	103.0487 %	91.1520 %	109.5176 %	110.0024 %	106.0636 %
Concentration per Run	2.9420 ppm	102.5492 %	103.0265 %	90.5884 %	109.1218 %	108.3374 %	106.4030 %
Concentration RSD	1.7 %	0.6 %	0.1 %	0.5 %	0.4 %	1.0 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557399-17d10 WG2115232
 Analysis started at: 9/18/2025 4:53:30 PM
 Rack: 2
 Vial: 7
 Comment: Fe and Ba LDR RR

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	11.9744 ppm	0.0139 ppm	0.0028 ppm	3.4305 ppm	0.0009 ppm	11.7126 ppm
Concentration per Run	0.0008 ppm	11.9908 ppm	0.0148 ppm	0.0031 ppm	3.4319 ppm	0.0009 ppm	11.7414 ppm
Concentration per Run	0.0007 ppm	11.9592 ppm	0.0129 ppm	0.0016 ppm	3.4353 ppm	0.0009 ppm	11.7002 ppm
Concentration per Run	0.0003 ppm	11.9732 ppm	0.0140 ppm	0.0036 ppm	3.4244 ppm	0.0009 ppm	11.6960 ppm
Concentration RSD	42.9 %	0.1 %	6.8 %	36.6 %	0.2 %	1.0 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0018 ppm	0.0174 ppm	0.0865 ppm	0.1419 ppm	34.9449 ppm	2.1273 ppm	0.0217 ppm
Concentration per Run	0.0019 ppm	0.0175 ppm	0.0869 ppm	0.1418 ppm	34.9703 ppm	2.1329 ppm	0.0227 ppm
Concentration per Run	0.0018 ppm	0.0175 ppm	0.0866 ppm	0.1420 ppm	34.9089 ppm	2.1268 ppm	0.0208 ppm
Concentration per Run	0.0018 ppm	0.0171 ppm	0.0860 ppm	0.1419 ppm	34.9556 ppm	2.1222 ppm	0.0216 ppm
Concentration RSD	2.1 %	1.3 %	0.5 %	0.1 %	0.1 %	0.3 %	4.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	7.2401 ppm	0.3855 ppm	0.0016 ppm	0.3533 ppm	0.0874 ppm	20.7406 ppm	0.0016 ppm
Concentration per Run	7.2614 ppm	0.3864 ppm	0.0018 ppm	0.3560 ppm	0.0871 ppm	20.8480 ppm	0.0027 ppm
Concentration per Run	7.2810 ppm	0.3855 ppm	0.0013 ppm	0.3501 ppm	0.0881 ppm	20.6383 ppm	-0.0004 ppm
Concentration per Run	7.1778 ppm	0.3845 ppm	0.0016 ppm	0.3539 ppm	0.0871 ppm	20.7357 ppm	0.0026 ppm
Concentration RSD	0.8 %	0.2 %	16.6 %	0.8 %	0.6 %	0.5 %	107.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0012 ppm	0.4607 ppm	0.0145 ppm	0.0816 ppm	0.6123 ppm	0.0007 ppm	0.0551 ppm
Concentration per Run	0.0003 ppm	0.4618 ppm	0.0149 ppm	0.0821 ppm	0.6128 ppm	0.0003 ppm	0.0553 ppm
Concentration per Run	0.0028 ppm	0.4631 ppm	0.0140 ppm	0.0815 ppm	0.6134 ppm	0.0007 ppm	0.0550 ppm
Concentration per Run	0.0005 ppm	0.4571 ppm	0.0146 ppm	0.0812 ppm	0.6108 ppm	0.0011 ppm	0.0549 ppm
Concentration RSD	115.7 %	0.7 %	3.2 %	0.6 %	0.2 %	61.7 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9175 ppm	105.1281 %	104.0014 %	98.5989 %	109.2116 %	107.4929 %	106.7360 %
Concentration per Run	0.9204 ppm	105.2992 %	104.0549 %	98.4935 %	109.3735 %	108.4722 %	106.9353 %
Concentration per Run	0.9238 ppm	104.6640 %	103.8603 %	98.8074 %	109.0275 %	106.7806 %	106.7652 %
Concentration per Run	0.9082 ppm	105.4211 %	104.0890 %	98.4956 %	109.2338 %	107.2260 %	106.5075 %
Concentration RSD	0.9 %	0.4 %	0.1 %	0.2 %	0.2 %	0.8 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
Analysis started at: 9/18/2025 4:57:36 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4908 ppm	0.4824 ppm	0.4888 ppm	0.4941 ppm	0.4999 ppm	0.5209 ppm	0.5236 ppm
Concentration per Run	0.4909 ppm	0.4808 ppm	0.4908 ppm	0.4972 ppm	0.4994 ppm	0.5224 ppm	0.5221 ppm
Concentration per Run	0.4926 ppm	0.4860 ppm	0.4852 ppm	0.4931 ppm	0.4979 ppm	0.5200 ppm	0.5238 ppm
Concentration per Run	0.4888 ppm	0.4805 ppm	0.4906 ppm	0.4920 ppm	0.5024 ppm	0.5203 ppm	0.5249 ppm
Recovery Percentage	98.153 %	96.487 %	97.767 %	98.816 %	99.979 %	104.175 %	104.724 %
Concentration RSD	0.4 %	0.6 %	0.6 %	0.6 %	0.5 %	0.3 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5113 ppm	0.5106 ppm	0.5055 ppm	0.5128 ppm	0.5218 ppm	5.0970 ppm	0.5342 ppm
Concentration per Run	0.5105 ppm	0.5110 ppm	0.5055 ppm	0.5143 ppm	0.5265 ppm	5.1019 ppm	0.5321 ppm
Concentration per Run	0.5129 ppm	0.5114 ppm	0.5065 ppm	0.5130 ppm	0.5194 ppm	5.0881 ppm	0.5333 ppm
Concentration per Run	0.5106 ppm	0.5095 ppm	0.5043 ppm	0.5112 ppm	0.5195 ppm	5.1011 ppm	0.5372 ppm
Recovery Percentage	102.262 %	102.122 %	101.091 %	102.569 %	104.360 %	101.941 %	106.846 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.3 %	0.8 %	0.2 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5082 ppm	0.5156 ppm	0.4970 ppm	10.4145 ppm	0.5182 ppm	0.4984 ppm	0.5187 ppm
Concentration per Run	0.5113 ppm	0.5153 ppm	0.4944 ppm	10.3939 ppm	0.5185 ppm	0.5005 ppm	0.5200 ppm
Concentration per Run	0.5090 ppm	0.5171 ppm	0.4995 ppm	10.4259 ppm	0.5186 ppm	0.4969 ppm	0.5210 ppm
Concentration per Run	0.5043 ppm	0.5145 ppm	0.4971 ppm	10.4238 ppm	0.5175 ppm	0.4979 ppm	0.5150 ppm
Recovery Percentage	101.648 %	103.130 %	99.395 %	104.145 %	103.641 %	99.685 %	103.736 %
Concentration RSD	0.7 %	0.3 %	0.5 %	0.2 %	0.1 %	0.4 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4931 ppm	5.4854 ppm	0.5057 ppm	0.5160 ppm	0.5080 ppm	0.5132 ppm	0.5125 ppm
Concentration per Run	0.4922 ppm	5.4694 ppm	0.5059 ppm	0.5149 ppm	0.5077 ppm	0.5175 ppm	0.5117 ppm
Concentration per Run	0.4904 ppm	5.5066 ppm	0.5058 ppm	0.5171 ppm	0.5079 ppm	0.5088 ppm	0.5132 ppm
Concentration per Run	0.4968 ppm	5.4804 ppm	0.5053 ppm	0.5160 ppm	0.5084 ppm	0.5132 ppm	0.5125 ppm
Recovery Percentage	98.624 %	104.485 %	101.131 %	103.200 %	101.596 %	102.632 %	102.492 %
Concentration RSD	0.7 %	0.3 %	0.1 %	0.2 %	0.1 %	0.8 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5040 ppm	105.3984 %	102.5540 %	99.9077 %	105.3675 %	101.8437 %	102.5307 %
Concentration per Run	0.5045 ppm	105.9004 %	102.4921 %	99.9197 %	106.4262 %	101.4869 %	102.9514 %
Concentration per Run	0.5043 ppm	105.1549 %	102.4604 %	100.0143 %	104.6543 %	102.1681 %	102.2339 %
Concentration per Run	0.5031 ppm	105.1399 %	102.7095 %	99.7891 %	105.0220 %	101.8762 %	102.4068 %
Recovery Percentage	100.794 %						
Concentration RSD	0.1 %	0.4 %	0.1 %	0.1 %	0.9 %	0.3 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 5:01:02 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0003 ppm	-0.0086 ppm	0.0011 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0099 ppm
Concentration per Run	-0.0004 ppm	-0.0063 ppm	0.0006 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0081 ppm
Concentration per Run	-0.0004 ppm	-0.0106 ppm	0.0014 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0118 ppm
Concentration per Run	-0.0002 ppm	-0.0088 ppm	0.0012 ppm	0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0098 ppm
Recovery Percentage	-6.202 %	-8.585 %	21.353 %	2.933 %	1.198 %	1.210 %	9.916 %
Concentration RSD	43.3 %	25.4 %	41.2 %	29.2 %	49.1 %	23.2 %	18.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0063 ppm	-0.0018 ppm	-0.0003 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0065 ppm	-0.0039 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0001 ppm	-0.0003 ppm	0.0066 ppm	-0.0123 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0004 ppm	-0.0003 ppm	0.0058 ppm	0.0107 ppm	-0.0008 ppm
Recovery Percentage	2.715 %	0.752 %	2.820 %	-2.860 %	12.644 %	-0.073 %	-2.720 %
Concentration RSD	38.9 %	365.2 %	53.8 %	31.0 %	6.8 %	640.2 %	179.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0025 ppm	0.0003 ppm	0.0040 ppm	0.0170 ppm	-0.0004 ppm	0.0002 ppm	0.0008 ppm
Concentration per Run	0.0027 ppm	0.0003 ppm	0.0044 ppm	0.0179 ppm	-0.0002 ppm	0.0008 ppm	-0.0006 ppm
Concentration per Run	0.0029 ppm	0.0003 ppm	0.0038 ppm	0.0173 ppm	-0.0007 ppm	-0.0003 ppm	0.0014 ppm
Concentration per Run	0.0018 ppm	0.0002 ppm	0.0037 ppm	0.0159 ppm	-0.0003 ppm	0.0003 ppm	0.0015 ppm
Recovery Percentage	2.468 %	2.516 %	7.990 %	0.852 %	-1.610 %	2.487 %	1.528 %
Concentration RSD	23.0 %	21.0 %	9.6 %	6.0 %	64.0 %	222.5 %	159.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0032 ppm	0.0029 ppm	0.0009 ppm	0.0000 ppm	0.0010 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run	0.0049 ppm	0.0016 ppm	0.0017 ppm	0.0000 ppm	0.0010 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run	0.0026 ppm	0.0031 ppm	-0.0001 ppm	0.0001 ppm	0.0010 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run	0.0020 ppm	0.0041 ppm	0.0012 ppm	0.0000 ppm	0.0010 ppm	-0.0003 ppm	-0.0001 ppm
Recovery Percentage	31.608 %	0.589 %	1.837 %	0.271 %	9.914 %	-0.305 %	-1.357 %
Concentration RSD	47.6 %	43.2 %	100.9 %	133.3 %	4.3 %	765.6 %	18.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	104.5764 %	101.1499 %	101.2103 %	106.5773 %	102.9040 %	102.8980 %
Concentration per Run	0.0002 ppm	104.4431 %	101.9899 %	101.1405 %	106.1509 %	101.9555 %	102.8961 %
Concentration per Run	0.0002 ppm	104.2128 %	100.4666 %	101.3738 %	106.4699 %	103.3500 %	103.1789 %
Concentration per Run	0.0002 ppm	105.0733 %	100.9932 %	101.1166 %	107.1110 %	103.4066 %	102.6189 %
Recovery Percentage	3.777 %						
Concentration RSD	17.9 %	0.4 %	0.8 %	0.1 %	0.5 %	0.8 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116269-1 WG2116269
 Analysis started at: 9/18/2025 5:08:54 PM
 Rack: 2
 Vial: 8
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0062 ppm	0.0009 ppm	-0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0118 ppm
Concentration per Run	-0.0003 ppm	-0.0098 ppm	0.0013 ppm	-0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0121 ppm
Concentration per Run	-0.0002 ppm	-0.0023 ppm	0.0017 ppm	-0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0135 ppm
Concentration per Run	-0.0002 ppm	-0.0066 ppm	-0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0100 ppm
Concentration RSD	37.4 %	60.4 %	108.1 %	174.3 %	37.8 %	121.9 %	14.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0058 ppm	-0.0011 ppm	-0.0006 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0056 ppm	-0.0039 ppm	-0.0006 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0065 ppm	-0.0002 ppm	-0.0008 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0052 ppm	0.0009 ppm	-0.0004 ppm
Concentration RSD	104.9 %	48.6 %	10.4 %	530.4 %	12.0 %	227.9 %	35.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0071 ppm	0.0009 ppm	0.0006 ppm	0.0160 ppm	-0.0004 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run	0.0077 ppm	0.0009 ppm	0.0005 ppm	0.0169 ppm	-0.0003 ppm	-0.0002 ppm	0.0007 ppm
Concentration per Run	0.0060 ppm	0.0011 ppm	0.0005 ppm	0.0161 ppm	-0.0008 ppm	-0.0004 ppm	0.0003 ppm
Concentration per Run	0.0077 ppm	0.0007 ppm	0.0008 ppm	0.0152 ppm	-0.0001 ppm	0.0006 ppm	-0.0019 ppm
Concentration RSD	13.9 %	21.5 %	24.6 %	5.4 %	103.8 %	1,737.5 %	463.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0010 ppm	0.0044 ppm	-0.0006 ppm	0.0000 ppm	0.0005 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run	0.0009 ppm	0.0035 ppm	-0.0002 ppm	0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run	-0.0003 ppm	0.0043 ppm	-0.0006 ppm	0.0000 ppm	0.0004 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0024 ppm	0.0053 ppm	-0.0009 ppm	0.0000 ppm	0.0008 ppm	0.0013 ppm	0.0000 ppm
Concentration RSD	133.9 %	20.6 %	58.2 %	243.0 %	54.3 %	257.0 %	114.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	100.7977 %	101.8690 %	100.0677 %	102.1012 %	102.2394 %	99.8514 %
Concentration per Run	0.0007 ppm	101.3285 %	101.7107 %	99.9393 %	102.6541 %	102.3810 %	99.5301 %
Concentration per Run	0.0004 ppm	100.1753 %	101.1828 %	99.7130 %	101.4803 %	101.8451 %	99.9875 %
Concentration per Run	0.0005 ppm	100.8892 %	102.7134 %	100.5509 %	102.1691 %	102.4920 %	100.0364 %
Concentration RSD	31.7 %	0.6 %	0.8 %	0.4 %	0.6 %	0.3 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116269-2 WG2116269
 Analysis started at: 9/18/2025 5:12:38 PM
 Rack: 2
 Vial: 9
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0513 ppm	2.1225 ppm	0.1227 ppm	1.0078 ppm	2.0876 ppm	0.0536 ppm	10.4844 ppm
Concentration per Run	0.0511 ppm	2.1272 ppm	0.1215 ppm	1.0091 ppm	2.0798 ppm	0.0537 ppm	10.5093 ppm
Concentration per Run	0.0514 ppm	2.1081 ppm	0.1232 ppm	1.0048 ppm	2.0879 ppm	0.0534 ppm	10.4192 ppm
Concentration per Run	0.0514 ppm	2.1323 ppm	0.1234 ppm	1.0097 ppm	2.0952 ppm	0.0537 ppm	10.5248 ppm
Concentration RSD	0.3 %	0.6 %	0.8 %	0.3 %	0.4 %	0.3 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0549 ppm	0.5133 ppm	0.2062 ppm	0.2640 ppm	1.0575 ppm	10.5045 ppm	-0.0008 ppm
Concentration per Run	0.0550 ppm	0.5132 ppm	0.2063 ppm	0.2643 ppm	1.0621 ppm	10.5251 ppm	-0.0008 ppm
Concentration per Run	0.0544 ppm	0.5127 ppm	0.2063 ppm	0.2629 ppm	1.0490 ppm	10.4599 ppm	-0.0008 ppm
Concentration per Run	0.0552 ppm	0.5140 ppm	0.2061 ppm	0.2649 ppm	1.0615 ppm	10.5285 ppm	-0.0008 ppm
Concentration RSD	0.7 %	0.1 %	0.0 %	0.4 %	0.7 %	0.4 %	2.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.2857 ppm	0.5256 ppm	0.9807 ppm	10.8066 ppm	0.5284 ppm	0.5376 ppm	0.4004 ppm
Concentration per Run	10.2403 ppm	0.5268 ppm	0.9752 ppm	10.7887 ppm	0.5273 ppm	0.5361 ppm	0.3964 ppm
Concentration per Run	10.3337 ppm	0.5223 ppm	0.9734 ppm	10.7984 ppm	0.5273 ppm	0.5381 ppm	0.3981 ppm
Concentration per Run	10.2830 ppm	0.5276 ppm	0.9935 ppm	10.8326 ppm	0.5307 ppm	0.5384 ppm	0.4067 ppm
Concentration RSD	0.5 %	0.5 %	1.1 %	0.2 %	0.4 %	0.2 %	1.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1206 ppm	0.9924 ppm	0.9676 ppm	1.0286 ppm	1.0245 ppm	0.1254 ppm	0.5326 ppm
Concentration per Run	0.1204 ppm	0.9896 ppm	0.9698 ppm	1.0249 ppm	1.0235 ppm	0.1256 ppm	0.5329 ppm
Concentration per Run	0.1216 ppm	0.9928 ppm	0.9609 ppm	1.0309 ppm	1.0264 ppm	0.1253 ppm	0.5328 ppm
Concentration per Run	0.1200 ppm	0.9949 ppm	0.9721 ppm	1.0299 ppm	1.0236 ppm	0.1253 ppm	0.5320 ppm
Concentration RSD	0.7 %	0.3 %	0.6 %	0.3 %	0.2 %	0.1 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5166 ppm	104.5070 %	103.3692 %	97.6094 %	104.9340 %	103.4118 %	101.5833 %
Concentration per Run	0.5192 ppm	104.4223 %	102.6509 %	97.6461 %	104.5856 %	102.7650 %	101.1890 %
Concentration per Run	0.5154 ppm	104.2948 %	104.2183 %	97.4899 %	104.8394 %	103.7055 %	101.7013 %
Concentration per Run	0.5151 ppm	104.8038 %	103.2384 %	97.6921 %	105.3769 %	103.7651 %	101.8598 %
Concentration RSD	0.4 %	0.3 %	0.8 %	0.1 %	0.4 %	0.5 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557997-01 WG2116269
 Analysis started at: 9/18/2025 5:16:05 PM
 Rack: 2
 Vial: 10
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	0.0269 ppm	0.0017 ppm	0.0428 ppm	0.0586 ppm	0.0000 ppm	28.2675 ppm
Concentration per Run	-0.0002 ppm	0.0282 ppm	0.0022 ppm	0.0426 ppm	0.0583 ppm	0.0000 ppm	28.2549 ppm
Concentration per Run	-0.0003 ppm	0.0239 ppm	0.0016 ppm	0.0430 ppm	0.0586 ppm	0.0001 ppm	28.4014 ppm
Concentration per Run	-0.0001 ppm	0.0285 ppm	0.0014 ppm	0.0427 ppm	0.0590 ppm	0.0000 ppm	28.1462 ppm
Concentration RSD	50.3 %	9.6 %	25.2 %	0.5 %	0.6 %	27.8 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0157 ppm	0.0060 ppm	1.7040 ppm	0.0007 ppm
Concentration per Run	-0.0003 ppm	0.0003 ppm	0.0005 ppm	0.0158 ppm	0.0061 ppm	1.7059 ppm	0.0009 ppm
Concentration per Run	-0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0156 ppm	0.0056 ppm	1.6973 ppm	0.0007 ppm
Concentration per Run	-0.0002 ppm	0.0005 ppm	0.0002 ppm	0.0157 ppm	0.0062 ppm	1.7088 ppm	0.0004 ppm
Concentration RSD	20.5 %	51.7 %	75.8 %	0.4 %	5.0 %	0.4 %	40.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.9624 ppm	0.0055 ppm	0.0113 ppm	55.4426 ppm	0.0002 ppm	-0.0008 ppm	0.0117 ppm
Concentration per Run	5.9728 ppm	0.0055 ppm	0.0112 ppm	55.5593 ppm	0.0000 ppm	-0.0008 ppm	0.0110 ppm
Concentration per Run	5.9911 ppm	0.0054 ppm	0.0116 ppm	55.2583 ppm	0.0004 ppm	-0.0014 ppm	0.0122 ppm
Concentration per Run	5.9233 ppm	0.0055 ppm	0.0111 ppm	55.5101 ppm	0.0003 ppm	-0.0002 ppm	0.0120 ppm
Concentration RSD	0.6 %	0.4 %	2.0 %	0.3 %	98.7 %	68.6 %	5.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0024 ppm	2.9001 ppm	0.0089 ppm	0.1171 ppm	0.0013 ppm	0.0007 ppm	0.0010 ppm
Concentration per Run	0.0023 ppm	2.9047 ppm	0.0088 ppm	0.1169 ppm	0.0013 ppm	0.0010 ppm	0.0011 ppm
Concentration per Run	0.0036 ppm	2.8930 ppm	0.0090 ppm	0.1168 ppm	0.0013 ppm	0.0006 ppm	0.0010 ppm
Concentration per Run	0.0012 ppm	2.9028 ppm	0.0089 ppm	0.1174 ppm	0.0014 ppm	0.0005 ppm	0.0009 ppm
Concentration RSD	49.6 %	0.2 %	1.3 %	0.3 %	2.7 %	41.3 %	10.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5442 ppm	103.2364 %	103.0922 %	96.7399 %	103.3489 %	102.7252 %	100.0722 %
Concentration per Run	0.5462 ppm	103.5385 %	102.8221 %	96.7893 %	103.7587 %	103.2251 %	100.2167 %
Concentration per Run	0.5435 ppm	102.8177 %	102.9016 %	96.5857 %	102.9738 %	101.9477 %	99.9340 %
Concentration per Run	0.5431 ppm	103.3531 %	103.5530 %	96.8448 %	103.3142 %	103.0029 %	100.0659 %
Concentration RSD	0.3 %	0.4 %	0.4 %	0.1 %	0.4 %	0.7 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116269-3 WG2116269
 Analysis started at: 9/18/2025 5:19:32 PM
 Rack: 2
 Vial: 11
 Comment:

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0506 ppm	2.0908 ppm	0.1261 ppm	1.0494 ppm	2.0739 ppm	0.0527 ppm	38.4538 ppm
Concentration per Run	0.0505 ppm	2.0981 ppm	0.1275 ppm	1.0482 ppm	2.0738 ppm	0.0529 ppm	38.6431 ppm
Concentration per Run	0.0507 ppm	2.0929 ppm	0.1267 ppm	1.0567 ppm	2.0897 ppm	0.0529 ppm	38.4250 ppm
Concentration per Run	0.0505 ppm	2.0813 ppm	0.1240 ppm	1.0434 ppm	2.0581 ppm	0.0523 ppm	38.2932 ppm
Concentration RSD	0.3 %	0.4 %	1.5 %	0.6 %	0.8 %	0.6 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0526 ppm	0.4944 ppm	0.2003 ppm	0.2742 ppm	1.0285 ppm	12.0391 ppm	0.0008 ppm
Concentration per Run	0.0526 ppm	0.4968 ppm	0.2006 ppm	0.2745 ppm	1.0356 ppm	12.0376 ppm	0.0014 ppm
Concentration per Run	0.0531 ppm	0.4955 ppm	0.2019 ppm	0.2746 ppm	1.0307 ppm	12.1365 ppm	0.0004 ppm
Concentration per Run	0.0521 ppm	0.4910 ppm	0.1984 ppm	0.2736 ppm	1.0192 ppm	11.9431 ppm	0.0006 ppm
Concentration RSD	1.0 %	0.6 %	0.9 %	0.2 %	0.8 %	0.8 %	68.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	15.8590 ppm	0.5129 ppm	0.9521 ppm	66.1955 ppm	0.5105 ppm	0.5198 ppm	0.5314 ppm
Concentration per Run	15.8916 ppm	0.5154 ppm	0.9462 ppm	66.3371 ppm	0.5112 ppm	0.5200 ppm	0.5316 ppm
Concentration per Run	15.9357 ppm	0.5123 ppm	0.9582 ppm	66.4661 ppm	0.5157 ppm	0.5207 ppm	0.5346 ppm
Concentration per Run	15.7498 ppm	0.5111 ppm	0.9520 ppm	65.7832 ppm	0.5047 ppm	0.5187 ppm	0.5281 ppm
Concentration RSD	0.6 %	0.4 %	0.6 %	0.5 %	1.1 %	0.2 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1222 ppm	3.9734 ppm	0.9280 ppm	1.1150 ppm	1.0163 ppm	0.1202 ppm	0.5239 ppm
Concentration per Run	0.1201 ppm	3.9704 ppm	0.9310 ppm	1.1165 ppm	1.0180 ppm	0.1201 ppm	0.5239 ppm
Concentration per Run	0.1228 ppm	3.9956 ppm	0.9353 ppm	1.1183 ppm	1.0165 ppm	0.1206 ppm	0.5251 ppm
Concentration per Run	0.1238 ppm	3.9540 ppm	0.9177 ppm	1.1101 ppm	1.0144 ppm	0.1198 ppm	0.5229 ppm
Concentration RSD	1.6 %	0.5 %	1.0 %	0.4 %	0.2 %	0.3 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0552 ppm	101.8944 %	102.3518 %	94.0323 %	102.2901 %	102.3308 %	99.5051 %
Concentration per Run	1.0591 ppm	102.2427 %	102.0791 %	93.6828 %	102.7385 %	102.5841 %	99.1528 %
Concentration per Run	1.0678 ppm	101.2410 %	102.1670 %	94.1631 %	101.4298 %	102.2329 %	99.7786 %
Concentration per Run	1.0388 ppm	102.1995 %	102.8091 %	94.2511 %	102.7020 %	102.1753 %	99.5839 %
Concentration RSD	1.4 %	0.6 %	0.4 %	0.3 %	0.7 %	0.2 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116269-4 WG2116269
 Analysis started at: 9/18/2025 5:22:59 PM
 Rack: 2
 Vial: 12
 Comment:

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	0.0273 ppm	0.0012 ppm	0.0444 ppm	0.0592 ppm	0.0000 ppm	28.5037 ppm
Concentration per Run	-0.0006 ppm	0.0293 ppm	0.0001 ppm	0.0448 ppm	0.0595 ppm	0.0000 ppm	28.5284 ppm
Concentration per Run	0.0000 ppm	0.0250 ppm	0.0018 ppm	0.0447 ppm	0.0587 ppm	0.0000 ppm	28.3093 ppm
Concentration per Run	0.0000 ppm	0.0275 ppm	0.0018 ppm	0.0438 ppm	0.0594 ppm	0.0000 ppm	28.6735 ppm
Concentration RSD	194.0 %	8.0 %	79.9 %	1.3 %	0.7 %	23.9 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0161 ppm	0.0073 ppm	1.7353 ppm	0.0014 ppm
Concentration per Run	-0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0161 ppm	0.0083 ppm	1.7612 ppm	0.0010 ppm
Concentration per Run	-0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0163 ppm	0.0065 ppm	1.7154 ppm	0.0019 ppm
Concentration per Run	-0.0002 ppm	0.0003 ppm	0.0002 ppm	0.0158 ppm	0.0070 ppm	1.7293 ppm	0.0013 ppm
Concentration RSD	28.9 %	214.5 %	344.3 %	1.7 %	13.2 %	1.4 %	33.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	6.0486 ppm	0.0056 ppm	0.0136 ppm	55.9741 ppm	0.0007 ppm	-0.0004 ppm	0.0054 ppm
Concentration per Run	6.0932 ppm	0.0056 ppm	0.0138 ppm	56.1995 ppm	0.0011 ppm	-0.0010 ppm	0.0053 ppm
Concentration per Run	6.0312 ppm	0.0056 ppm	0.0139 ppm	55.7697 ppm	0.0006 ppm	-0.0004 ppm	0.0068 ppm
Concentration per Run	6.0214 ppm	0.0056 ppm	0.0132 ppm	55.9531 ppm	0.0005 ppm	0.0001 ppm	0.0041 ppm
Concentration RSD	0.6 %	0.8 %	2.7 %	0.4 %	49.6 %	136.2 %	25.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	2.9302 ppm	0.0125 ppm	0.1184 ppm	0.0014 ppm	0.0002 ppm	0.0009 ppm
Concentration per Run	0.0017 ppm	2.9432 ppm	0.0118 ppm	0.1193 ppm	0.0014 ppm	0.0003 ppm	0.0009 ppm
Concentration per Run	0.0017 ppm	2.9312 ppm	0.0138 ppm	0.1177 ppm	0.0013 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run	0.0030 ppm	2.9162 ppm	0.0118 ppm	0.1181 ppm	0.0014 ppm	0.0002 ppm	0.0009 ppm
Concentration RSD	35.7 %	0.5 %	9.1 %	0.7 %	2.5 %	36.5 %	3.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5555 ppm	102.8684 %	103.9610 %	96.4004 %	102.9081 %	103.1091 %	99.8616 %
Concentration per Run	0.5584 ppm	102.4430 %	104.1718 %	96.2859 %	102.7002 %	103.9284 %	99.4632 %
Concentration per Run	0.5541 ppm	102.9191 %	105.0526 %	96.6240 %	103.1844 %	103.8011 %	100.1878 %
Concentration per Run	0.5539 ppm	103.2432 %	102.6585 %	96.2914 %	102.8398 %	101.5979 %	99.9339 %
Concentration RSD	0.5 %	0.4 %	1.2 %	0.2 %	0.2 %	1.3 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116269-5 WG2116269
 Analysis started at: 9/18/2025 5:26:27 PM
 Rack: 2
 Vial: 13
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0483 ppm	2.0172 ppm	0.1260 ppm	1.0346 ppm	2.0035 ppm	0.0506 ppm	36.9927 ppm
Concentration per Run	0.0483 ppm	2.0062 ppm	0.1263 ppm	1.0321 ppm	1.9891 ppm	0.0504 ppm	36.7864 ppm
Concentration per Run	0.0481 ppm	2.0323 ppm	0.1258 ppm	1.0399 ppm	2.0190 ppm	0.0508 ppm	37.1348 ppm
Concentration per Run	0.0485 ppm	2.0130 ppm	0.1261 ppm	1.0319 ppm	2.0024 ppm	0.0506 ppm	37.0568 ppm
Concentration RSD	0.4 %	0.7 %	0.2 %	0.4 %	0.7 %	0.4 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0514 ppm	0.4794 ppm	0.1932 ppm	0.2657 ppm	0.9847 ppm	11.7386 ppm	0.0006 ppm
Concentration per Run	0.0514 ppm	0.4798 ppm	0.1931 ppm	0.2650 ppm	0.9769 ppm	11.6315 ppm	0.0015 ppm
Concentration per Run	0.0514 ppm	0.4801 ppm	0.1935 ppm	0.2664 ppm	0.9897 ppm	11.8422 ppm	0.0002 ppm
Concentration per Run	0.0513 ppm	0.4782 ppm	0.1930 ppm	0.2655 ppm	0.9874 ppm	11.7419 ppm	0.0002 ppm
Concentration RSD	0.1 %	0.2 %	0.1 %	0.3 %	0.7 %	0.9 %	116.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	15.5060 ppm	0.4928 ppm	0.9252 ppm	63.8254 ppm	0.4932 ppm	0.5132 ppm	0.3169 ppm
Concentration per Run	15.5238 ppm	0.4902 ppm	0.9172 ppm	63.7280 ppm	0.4925 ppm	0.5133 ppm	0.3126 ppm
Concentration per Run	15.4753 ppm	0.4953 ppm	0.9257 ppm	64.0241 ppm	0.4953 ppm	0.5121 ppm	0.3172 ppm
Concentration per Run	15.5190 ppm	0.4929 ppm	0.9328 ppm	63.7242 ppm	0.4918 ppm	0.5142 ppm	0.3208 ppm
Concentration RSD	0.2 %	0.5 %	0.8 %	0.3 %	0.4 %	0.2 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1206 ppm	3.7995 ppm	0.9236 ppm	1.0898 ppm	0.9950 ppm	0.1196 ppm	0.5064 ppm
Concentration per Run	0.1190 ppm	3.7872 ppm	0.9212 ppm	1.0848 ppm	0.9957 ppm	0.1186 ppm	0.5052 ppm
Concentration per Run	0.1201 ppm	3.7992 ppm	0.9286 ppm	1.0977 ppm	0.9972 ppm	0.1196 ppm	0.5066 ppm
Concentration per Run	0.1226 ppm	3.8120 ppm	0.9211 ppm	1.0868 ppm	0.9921 ppm	0.1206 ppm	0.5074 ppm
Concentration RSD	1.6 %	0.3 %	0.5 %	0.6 %	0.3 %	0.8 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0187 ppm	102.0362 %	104.2792 %	93.8758 %	102.5811 %	103.5621 %	99.3084 %
Concentration per Run	1.0222 ppm	102.3020 %	105.0982 %	94.3844 %	102.4545 %	104.2978 %	99.8092 %
Concentration per Run	1.0222 ppm	102.0543 %	103.7525 %	93.8384 %	102.8164 %	103.5267 %	99.1625 %
Concentration per Run	1.0118 ppm	101.7523 %	103.9868 %	93.4047 %	102.4724 %	102.8619 %	98.9535 %
Concentration RSD	0.6 %	0.3 %	0.7 %	0.5 %	0.2 %	0.7 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2116269-6d5 WG2116269
 Analysis started at: 9/18/2025 5:29:52 PM
 Rack: 2
 Vial: 14
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0013 ppm	-0.0005 ppm	0.0109 ppm	0.0118 ppm	0.0000 ppm	5.7379 ppm
Concentration per Run	0.0000 ppm	-0.0011 ppm	-0.0013 ppm	0.0112 ppm	0.0119 ppm	0.0000 ppm	5.6906 ppm
Concentration per Run	0.0000 ppm	-0.0011 ppm	-0.0006 ppm	0.0113 ppm	0.0117 ppm	0.0000 ppm	5.7560 ppm
Concentration per Run	0.0002 ppm	-0.0016 ppm	0.0004 ppm	0.0102 ppm	0.0119 ppm	0.0000 ppm	5.7670 ppm
Concentration RSD	199.0 %	26.9 %	166.7 %	5.4 %	0.7 %	52.8 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0030 ppm	0.0046 ppm	0.3627 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0005 ppm	0.0030 ppm	0.0043 ppm	0.3733 ppm	0.0009 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0030 ppm	0.0054 ppm	0.3536 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0030 ppm	0.0041 ppm	0.3611 ppm	0.0008 ppm
Concentration RSD	226.6 %	437.1 %	98.7 %	0.3 %	14.9 %	2.7 %	7.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.2055 ppm	0.0012 ppm	0.0175 ppm	11.2626 ppm	0.0000 ppm	-0.0003 ppm	0.0518 ppm
Concentration per Run	1.2084 ppm	0.0012 ppm	0.0181 ppm	11.2066 ppm	-0.0002 ppm	0.0003 ppm	0.0526 ppm
Concentration per Run	1.2066 ppm	0.0012 ppm	0.0178 ppm	11.3049 ppm	0.0006 ppm	0.0000 ppm	0.0510 ppm
Concentration per Run	1.2015 ppm	0.0013 ppm	0.0167 ppm	11.2763 ppm	-0.0003 ppm	-0.0012 ppm	0.0517 ppm
Concentration RSD	0.3 %	3.5 %	4.3 %	0.4 %	3,360.6 %	257.6 %	1.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0007 ppm	0.5623 ppm	0.0320 ppm	0.0233 ppm	0.0018 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run	0.0014 ppm	0.5644 ppm	0.0336 ppm	0.0232 ppm	0.0019 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run	-0.0002 ppm	0.5634 ppm	0.0322 ppm	0.0234 ppm	0.0017 ppm	0.0010 ppm	0.0002 ppm
Concentration per Run	0.0009 ppm	0.5592 ppm	0.0304 ppm	0.0233 ppm	0.0017 ppm	0.0011 ppm	0.0003 ppm
Concentration RSD	110.2 %	0.5 %	5.0 %	0.5 %	6.7 %	8.6 %	15.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1075 ppm	105.3274 %	103.6139 %	100.5864 %	105.3998 %	103.9279 %	102.0216 %
Concentration per Run	0.1078 ppm	105.2719 %	104.8062 %	100.7290 %	105.5862 %	104.8143 %	101.9388 %
Concentration per Run	0.1075 ppm	104.9000 %	103.1038 %	100.3749 %	105.1272 %	103.8895 %	101.7534 %
Concentration per Run	0.1072 ppm	105.8102 %	102.9316 %	100.6554 %	105.4860 %	103.0799 %	102.3727 %
Concentration RSD	0.3 %	0.4 %	1.0 %	0.2 %	0.2 %	0.8 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2555768-01 WG2116269
 Analysis started at: 9/18/2025 5:33:19 PM
 Rack: 2
 Vial: 15
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	0.1097 ppm	0.0012 ppm	0.0444 ppm	0.0076 ppm	0.0000 ppm	11.4245 ppm
Concentration per Run	0.0001 ppm	0.1080 ppm	0.0008 ppm	0.0436 ppm	0.0076 ppm	0.0000 ppm	11.4842 ppm
Concentration per Run	-0.0003 ppm	0.1097 ppm	0.0014 ppm	0.0440 ppm	0.0076 ppm	0.0000 ppm	11.3591 ppm
Concentration per Run	-0.0003 ppm	0.1115 ppm	0.0014 ppm	0.0455 ppm	0.0076 ppm	0.0000 ppm	11.4301 ppm
Concentration RSD	153.4 %	1.6 %	29.9 %	2.3 %	0.5 %	53.1 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0114 ppm	0.0338 ppm	1.7698 ppm	0.0003 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0003 ppm	0.0113 ppm	0.0338 ppm	1.7862 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0114 ppm	0.0336 ppm	1.7752 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0115 ppm	0.0341 ppm	1.7481 ppm	0.0004 ppm
Concentration RSD	123.0 %	313.0 %	25.7 %	0.9 %	0.8 %	1.1 %	62.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	2.8742 ppm	0.0006 ppm	0.0038 ppm	4.0277 ppm	0.4674 ppm	0.0717 ppm	0.0043 ppm
Concentration per Run	2.8856 ppm	0.0007 ppm	0.0036 ppm	4.0376 ppm	0.4678 ppm	0.0718 ppm	0.0040 ppm
Concentration per Run	2.8741 ppm	0.0005 ppm	0.0039 ppm	4.0135 ppm	0.4688 ppm	0.0724 ppm	0.0034 ppm
Concentration per Run	2.8630 ppm	0.0007 ppm	0.0039 ppm	4.0319 ppm	0.4656 ppm	0.0710 ppm	0.0055 ppm
Concentration RSD	0.4 %	17.0 %	5.1 %	0.3 %	0.4 %	1.0 %	25.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0003 ppm	0.2843 ppm	0.1368 ppm	0.0562 ppm	0.0009 ppm	0.0005 ppm	0.0003 ppm
Concentration per Run	0.0002 ppm	0.2859 ppm	0.1360 ppm	0.0562 ppm	0.0010 ppm	-0.0002 ppm	0.0003 ppm
Concentration per Run	0.0006 ppm	0.2824 ppm	0.1370 ppm	0.0562 ppm	0.0010 ppm	0.0015 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	0.2846 ppm	0.1376 ppm	0.0563 ppm	0.0008 ppm	0.0002 ppm	0.0004 ppm
Concentration RSD	80.9 %	0.6 %	0.6 %	0.1 %	13.5 %	173.2 %	26.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0066 ppm	105.9205 %	107.2294 %	100.6296 %	107.4320 %	108.0114 %	102.7504 %
Concentration per Run	0.0066 ppm	105.9906 %	106.8388 %	100.9958 %	107.3229 %	108.2942 %	103.0754 %
Concentration per Run	0.0066 ppm	105.7296 %	107.5723 %	100.5398 %	107.3297 %	107.5979 %	102.7982 %
Concentration per Run	0.0066 ppm	106.0412 %	107.2772 %	100.3530 %	107.6434 %	108.1420 %	102.3775 %
Concentration RSD	0.6 %	0.2 %	0.3 %	0.3 %	0.2 %	0.3 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556203-01 WG2116269
 Analysis started at: 9/18/2025 5:36:45 PM
 Rack: 2
 Vial: 16
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	0.0128 ppm	0.0004 ppm	1.0773 ppm	0.0364 ppm	0.0000 ppm	3.6268 ppm
Concentration per Run	-0.0004 ppm	0.0137 ppm	0.0003 ppm	1.0736 ppm	0.0369 ppm	0.0000 ppm	3.6557 ppm
Concentration per Run	-0.0001 ppm	0.0099 ppm	0.0006 ppm	1.0793 ppm	0.0361 ppm	0.0000 ppm	3.6367 ppm
Concentration per Run	0.0000 ppm	0.0148 ppm	0.0002 ppm	1.0790 ppm	0.0363 ppm	0.0000 ppm	3.5879 ppm
Concentration RSD	121.8 %	20.0 %	55.8 %	0.3 %	1.1 %	64.7 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0512 ppm	0.0477 ppm	0.0106 ppm	4.7126 ppm	0.0011 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0511 ppm	0.0477 ppm	0.0107 ppm	4.7901 ppm	0.0005 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0512 ppm	0.0478 ppm	0.0098 ppm	4.6712 ppm	0.0016 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0512 ppm	0.0476 ppm	0.0114 ppm	4.6766 ppm	0.0010 ppm
Concentration RSD	132.6 %	220.4 %	0.2 %	0.2 %	7.5 %	1.4 %	51.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.9531 ppm	0.0039 ppm	0.0041 ppm	236.4682 ppm	0.1933 ppm	0.0003 ppm	0.0320 ppm
Concentration per Run	0.9448 ppm	0.0038 ppm	0.0040 ppm	237.5835 ppm	0.1920 ppm	0.0002 ppm	0.0309 ppm
Concentration per Run	0.9577 ppm	0.0038 ppm	0.0041 ppm	236.5683 ppm	0.1936 ppm	0.0003 ppm	0.0323 ppm
Concentration per Run	0.9567 ppm	0.0040 ppm	0.0043 ppm	235.2527 ppm	0.1942 ppm	0.0004 ppm	0.0328 ppm
Concentration RSD	0.8 %	2.2 %	3.0 %	0.5 %	0.6 %	32.5 %	3.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0003 ppm	2.3547 ppm	0.0029 ppm	0.0345 ppm	0.0009 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	0.0008 ppm	2.3486 ppm	0.0026 ppm	0.0348 ppm	0.0010 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run	0.0003 ppm	2.3626 ppm	0.0029 ppm	0.0344 ppm	0.0009 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run	-0.0019 ppm	2.3530 ppm	0.0031 ppm	0.0343 ppm	0.0008 ppm	0.0017 ppm	0.0002 ppm
Concentration RSD	503.0 %	0.3 %	7.3 %	0.8 %	7.3 %	50.2 %	113.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0065 ppm	98.7699 %	104.2194 %	91.1495 %	98.4772 %	104.1835 %	96.4073 %
Concentration per Run	0.0065 ppm	99.4234 %	103.5566 %	91.6437 %	98.9520 %	103.4313 %	96.3425 %
Concentration per Run	0.0064 ppm	98.7178 %	104.1969 %	90.4820 %	98.5660 %	105.3078 %	96.1762 %
Concentration per Run	0.0065 ppm	98.1684 %	104.9047 %	91.3227 %	97.9135 %	103.8115 %	96.7030 %
Concentration RSD	1.4 %	0.6 %	0.6 %	0.7 %	0.5 %	1.0 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
 Analysis started at: 9/18/2025 5:41:11 PM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4905 ppm	0.4756 ppm	0.4901 ppm	0.4951 ppm	0.4964 ppm	0.5165 ppm	0.5130 ppm
Concentration per Run	0.4908 ppm	0.4759 ppm	0.4894 ppm	0.4970 ppm	0.4956 ppm	0.5158 ppm	0.5127 ppm
Concentration per Run	0.4897 ppm	0.4770 ppm	0.4910 ppm	0.4930 ppm	0.4943 ppm	0.5155 ppm	0.5160 ppm
Concentration per Run	0.4910 ppm	0.4741 ppm	0.4899 ppm	0.4955 ppm	0.4993 ppm	0.5180 ppm	0.5105 ppm
Recovery Percentage	98.103 %	95.129 %	98.020 %	99.030 %	99.279 %	103.294 %	102.609 %
Concentration RSD	0.1 %	0.3 %	0.2 %	0.4 %	0.5 %	0.3 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5057 ppm	0.5078 ppm	0.5018 ppm	0.5176 ppm	0.5093 ppm	5.0461 ppm	0.5395 ppm
Concentration per Run	0.5089 ppm	0.5094 ppm	0.5042 ppm	0.5177 ppm	0.5105 ppm	5.0692 ppm	0.5412 ppm
Concentration per Run	0.5033 ppm	0.5062 ppm	0.4994 ppm	0.5178 ppm	0.5053 ppm	5.0209 ppm	0.5372 ppm
Concentration per Run	0.5049 ppm	0.5077 ppm	0.5018 ppm	0.5172 ppm	0.5122 ppm	5.0482 ppm	0.5402 ppm
Recovery Percentage	101.143 %	101.555 %	100.359 %	103.521 %	101.865 %	100.922 %	107.906 %
Concentration RSD	0.6 %	0.3 %	0.5 %	0.1 %	0.7 %	0.5 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4995 ppm	0.5133 ppm	0.4954 ppm	10.3892 ppm	0.5146 ppm	0.4932 ppm	0.5310 ppm
Concentration per Run	0.5017 ppm	0.5128 ppm	0.4970 ppm	10.3796 ppm	0.5171 ppm	0.4951 ppm	0.5324 ppm
Concentration per Run	0.4952 ppm	0.5136 ppm	0.4923 ppm	10.4073 ppm	0.5109 ppm	0.4920 ppm	0.5310 ppm
Concentration per Run	0.5018 ppm	0.5136 ppm	0.4968 ppm	10.3807 ppm	0.5157 ppm	0.4926 ppm	0.5295 ppm
Recovery Percentage	99.910 %	102.665 %	99.073 %	103.892 %	102.920 %	98.642 %	106.191 %
Concentration RSD	0.8 %	0.1 %	0.5 %	0.2 %	0.6 %	0.3 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4962 ppm	5.4595 ppm	0.5099 ppm	0.5144 ppm	0.5068 ppm	0.5119 ppm	0.5095 ppm
Concentration per Run	0.4946 ppm	5.4617 ppm	0.5104 ppm	0.5142 ppm	0.5063 ppm	0.5127 ppm	0.5110 ppm
Concentration per Run	0.4977 ppm	5.4656 ppm	0.5100 ppm	0.5126 ppm	0.5055 ppm	0.5122 ppm	0.5086 ppm
Concentration per Run	0.4964 ppm	5.4511 ppm	0.5093 ppm	0.5164 ppm	0.5087 ppm	0.5108 ppm	0.5089 ppm
Recovery Percentage	99.249 %	103.990 %	101.988 %	102.882 %	101.366 %	102.382 %	101.903 %
Concentration RSD	0.3 %	0.1 %	0.1 %	0.4 %	0.3 %	0.2 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4974 ppm	105.3214 %	102.5772 %	99.3182 %	105.8184 %	103.1933 %	102.0029 %
Concentration per Run	0.4992 ppm	104.5994 %	102.9623 %	99.5807 %	105.3870 %	103.8599 %	102.1778 %
Concentration per Run	0.4940 ppm	105.7064 %	102.0440 %	99.3653 %	105.8955 %	102.3239 %	102.1882 %
Concentration per Run	0.4989 ppm	105.6584 %	102.7252 %	99.0085 %	106.1728 %	103.3961 %	101.6429 %
Recovery Percentage	99.474 %						
Concentration RSD	0.6 %	0.6 %	0.5 %	0.3 %	0.4 %	0.8 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
Analysis started at: 9/18/2025 5:44:37 PM
Rack: 0
Vial: 4
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0080 ppm	0.0002 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0057 ppm
Concentration per Run	0.0003 ppm	-0.0064 ppm	0.0001 ppm	0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0057 ppm
Concentration per Run	-0.0001 ppm	-0.0076 ppm	-0.0005 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0053 ppm
Concentration per Run	-0.0001 ppm	-0.0099 ppm	0.0010 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0060 ppm
Recovery Percentage	0.605 %	-7.959 %	3.843 %	2.931 %	1.287 %	2.335 %	5.658 %
Concentration RSD	679.2 %	22.3 %	393.6 %	30.2 %	24.1 %	36.0 %	5.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0020 ppm	-0.0019 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0002 ppm	0.0024 ppm	0.0009 ppm	-0.0004 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0004 ppm	-0.0002 ppm	0.0017 ppm	-0.0127 ppm	-0.0004 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0020 ppm	0.0061 ppm	0.0000 ppm
Recovery Percentage	3.104 %	1.346 %	2.819 %	-2.363 %	4.068 %	-0.076 %	-2.734 %
Concentration RSD	11.8 %	64.6 %	71.2 %	37.5 %	16.8 %	512.7 %	77.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0016 ppm	0.0003 ppm	0.0050 ppm	0.0327 ppm	-0.0002 ppm	-0.0005 ppm	0.0055 ppm
Concentration per Run	0.0025 ppm	0.0003 ppm	0.0052 ppm	0.0316 ppm	-0.0004 ppm	-0.0002 ppm	0.0062 ppm
Concentration per Run	0.0025 ppm	0.0003 ppm	0.0050 ppm	0.0321 ppm	-0.0001 ppm	-0.0008 ppm	0.0063 ppm
Concentration per Run	-0.0002 ppm	0.0002 ppm	0.0049 ppm	0.0345 ppm	-0.0002 ppm	-0.0006 ppm	0.0040 ppm
Recovery Percentage	1.589 %	2.578 %	10.088 %	1.636 %	-0.900 %	-5.264 %	11.050 %
Concentration RSD	97.8 %	13.9 %	3.0 %	4.9 %	68.5 %	56.1 %	23.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0049 ppm	0.0028 ppm	0.0050 ppm	0.0001 ppm	0.0012 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run	0.0046 ppm	0.0018 ppm	0.0053 ppm	0.0001 ppm	0.0011 ppm	0.0005 ppm	0.0003 ppm
Concentration per Run	0.0044 ppm	0.0025 ppm	0.0054 ppm	0.0001 ppm	0.0012 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	0.0056 ppm	0.0041 ppm	0.0042 ppm	0.0001 ppm	0.0012 ppm	0.0009 ppm	0.0002 ppm
Recovery Percentage	48.521 %	0.560 %	9.923 %	1.102 %	11.591 %	3.398 %	1.370 %
Concentration RSD	13.8 %	41.0 %	13.1 %	10.2 %	3.9 %	32.5 %	105.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	104.4523 %	100.4101 %	99.7621 %	106.3227 %	101.9286 %	102.0493 %
Concentration per Run	0.0004 ppm	104.1746 %	100.4426 %	100.1694 %	106.3500 %	102.0723 %	102.0672 %
Concentration per Run	0.0003 ppm	104.5470 %	100.3278 %	99.6573 %	106.2389 %	101.4676 %	102.1721 %
Concentration per Run	0.0003 ppm	104.6352 %	100.4600 %	99.4597 %	106.3792 %	102.2458 %	101.9086 %
Recovery Percentage	6.836 %						
Concentration RSD	14.0 %	0.2 %	0.1 %	0.4 %	0.1 %	0.4 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: TEST 1825 V1
 Analysis started at: 9/18/2025 5:49:30 PM
 Rack: 2
 Vial: 26
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0003 ppm	0.0208 ppm	0.1183 ppm	1.0081 ppm	0.0010 ppm	0.0000 ppm	10.4456 ppm
Concentration per Run	-0.0005 ppm	0.0201 ppm	0.1179 ppm	1.0061 ppm	0.0010 ppm	0.0000 ppm	10.4405 ppm
Concentration per Run	-0.0001 ppm	0.0216 ppm	0.1188 ppm	1.0063 ppm	0.0011 ppm	0.0000 ppm	10.4732 ppm
Concentration per Run	-0.0003 ppm	0.0208 ppm	0.1183 ppm	1.0119 ppm	0.0010 ppm	0.0000 ppm	10.4232 ppm
Concentration RSD	60.1 %	3.7 %	0.4 %	0.3 %	2.7 %	28.8 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0028 ppm	-0.0005 ppm	0.0004 ppm	-0.0006 ppm	0.0063 ppm	10.6705 ppm	-0.0004 ppm
Concentration per Run	0.0027 ppm	-0.0006 ppm	0.0001 ppm	-0.0006 ppm	0.0068 ppm	10.7846 ppm	-0.0005 ppm
Concentration per Run	0.0028 ppm	-0.0004 ppm	0.0005 ppm	-0.0008 ppm	0.0056 ppm	10.7030 ppm	-0.0006 ppm
Concentration per Run	0.0028 ppm	-0.0006 ppm	0.0004 ppm	-0.0005 ppm	0.0064 ppm	10.5239 ppm	-0.0002 ppm
Concentration RSD	2.8 %	24.7 %	56.4 %	22.2 %	9.2 %	1.2 %	51.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.3968 ppm	0.0004 ppm	0.9960 ppm	10.9166 ppm	-0.0005 ppm	0.5213 ppm	-0.0014 ppm
Concentration per Run	10.3803 ppm	0.0004 ppm	0.9858 ppm	10.9328 ppm	-0.0007 ppm	0.5198 ppm	-0.0029 ppm
Concentration per Run	10.3774 ppm	0.0004 ppm	0.9965 ppm	10.9728 ppm	-0.0008 ppm	0.5214 ppm	0.0011 ppm
Concentration per Run	10.4326 ppm	0.0005 ppm	1.0058 ppm	10.8442 ppm	0.0001 ppm	0.5227 ppm	-0.0025 ppm
Concentration RSD	0.3 %	15.8 %	1.0 %	0.6 %	109.7 %	0.3 %	153.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1160 ppm	0.5821 ppm	0.9840 ppm	1.0342 ppm	1.0312 ppm	0.1219 ppm	0.0004 ppm
Concentration per Run	0.1141 ppm	0.5836 ppm	0.9803 ppm	1.0381 ppm	1.0329 ppm	0.1220 ppm	0.0006 ppm
Concentration per Run	0.1181 ppm	0.5781 ppm	0.9837 ppm	1.0396 ppm	1.0291 ppm	0.1222 ppm	0.0004 ppm
Concentration per Run	0.1158 ppm	0.5845 ppm	0.9881 ppm	1.0250 ppm	1.0316 ppm	0.1214 ppm	0.0003 ppm
Concentration RSD	1.7 %	0.6 %	0.4 %	0.8 %	0.2 %	0.3 %	35.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	104.4947 %	102.9636 %	97.2987 %	105.0167 %	103.2518 %	100.9976 %
Concentration per Run	0.0002 ppm	105.0466 %	102.6491 %	97.3531 %	105.3966 %	102.5617 %	100.5968 %
Concentration per Run	0.0003 ppm	104.6055 %	103.1437 %	97.3552 %	104.9677 %	104.2445 %	101.2872 %
Concentration per Run	0.0003 ppm	103.8322 %	103.0981 %	97.1878 %	104.6859 %	102.9493 %	101.1087 %
Concentration RSD	20.9 %	0.6 %	0.3 %	0.1 %	0.3 %	0.9 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: TEST 1825 V2
 Analysis started at: 9/18/2025 5:52:56 PM
 Rack: 2
 Vial: 27
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0003 ppm	0.0207 ppm	0.1199 ppm	0.9992 ppm	0.0010 ppm	0.0000 ppm	10.2403 ppm
Concentration per Run	-0.0003 ppm	0.0196 ppm	0.1185 ppm	0.9979 ppm	0.0011 ppm	0.0000 ppm	10.2003 ppm
Concentration per Run	-0.0005 ppm	0.0189 ppm	0.1204 ppm	1.0012 ppm	0.0010 ppm	0.0000 ppm	10.3094 ppm
Concentration per Run	0.0000 ppm	0.0238 ppm	0.1210 ppm	0.9983 ppm	0.0009 ppm	0.0000 ppm	10.2112 ppm
Concentration RSD	83.3 %	12.8 %	1.1 %	0.2 %	7.5 %	337.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0028 ppm	-0.0006 ppm	0.0003 ppm	-0.0007 ppm	0.0065 ppm	10.4952 ppm	-0.0004 ppm
Concentration per Run	0.0029 ppm	-0.0005 ppm	0.0002 ppm	-0.0009 ppm	0.0064 ppm	10.5187 ppm	-0.0009 ppm
Concentration per Run	0.0028 ppm	-0.0007 ppm	0.0004 ppm	-0.0008 ppm	0.0069 ppm	10.5583 ppm	0.0000 ppm
Concentration per Run	0.0028 ppm	-0.0005 ppm	0.0003 ppm	-0.0005 ppm	0.0061 ppm	10.4087 ppm	-0.0001 ppm
Concentration RSD	2.1 %	20.3 %	38.0 %	31.9 %	6.5 %	0.7 %	139.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.2240 ppm	0.0006 ppm	0.9948 ppm	10.7816 ppm	-0.0008 ppm	0.5226 ppm	-0.0022 ppm
Concentration per Run	10.2450 ppm	0.0007 ppm	0.9904 ppm	10.7716 ppm	-0.0007 ppm	0.5193 ppm	-0.0021 ppm
Concentration per Run	10.2114 ppm	0.0006 ppm	0.9990 ppm	10.7788 ppm	-0.0008 ppm	0.5236 ppm	-0.0018 ppm
Concentration per Run	10.2156 ppm	0.0006 ppm	0.9951 ppm	10.7943 ppm	-0.0008 ppm	0.5248 ppm	-0.0028 ppm
Concentration RSD	0.2 %	12.7 %	0.4 %	0.1 %	8.3 %	0.6 %	23.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1204 ppm	0.5744 ppm	0.9842 ppm	1.0175 ppm	1.0144 ppm	0.1226 ppm	0.0006 ppm
Concentration per Run	0.1183 ppm	0.5735 ppm	0.9829 ppm	1.0159 ppm	1.0164 ppm	0.1225 ppm	0.0005 ppm
Concentration per Run	0.1196 ppm	0.5774 ppm	0.9870 ppm	1.0201 ppm	1.0151 ppm	0.1225 ppm	0.0007 ppm
Concentration per Run	0.1233 ppm	0.5723 ppm	0.9827 ppm	1.0164 ppm	1.0117 ppm	0.1227 ppm	0.0005 ppm
Concentration RSD	2.2 %	0.5 %	0.2 %	0.2 %	0.2 %	0.1 %	20.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0012 ppm	104.5969 %	103.6218 %	97.5503 %	104.7367 %	103.2765 %	101.2586 %
Concentration per Run	0.0013 ppm	104.7592 %	104.5526 %	97.8401 %	104.9079 %	104.3465 %	101.4152 %
Concentration per Run	0.0011 ppm	104.3031 %	102.9235 %	96.8834 %	104.5143 %	102.4444 %	100.8517 %
Concentration per Run	0.0013 ppm	104.7284 %	103.3893 %	97.9274 %	104.7881 %	103.0386 %	101.5088 %
Concentration RSD	8.5 %	0.2 %	0.8 %	0.6 %	0.2 %	0.9 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
 Analysis started at: 9/18/2025 5:56:23 PM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4896 ppm	0.4793 ppm	0.4863 ppm	0.4920 ppm	0.4990 ppm	0.5183 ppm	0.5109 ppm
Concentration per Run	0.4907 ppm	0.4845 ppm	0.4880 ppm	0.4923 ppm	0.4987 ppm	0.5195 ppm	0.5156 ppm
Concentration per Run	0.4893 ppm	0.4788 ppm	0.4852 ppm	0.4890 ppm	0.5014 ppm	0.5195 ppm	0.5058 ppm
Concentration per Run	0.4889 ppm	0.4745 ppm	0.4857 ppm	0.4948 ppm	0.4969 ppm	0.5160 ppm	0.5112 ppm
Recovery Percentage	97.924 %	95.852 %	97.260 %	98.405 %	99.805 %	103.664 %	102.175 %
Concentration RSD	0.2 %	1.0 %	0.3 %	0.6 %	0.5 %	0.4 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5048 ppm	0.5049 ppm	0.5019 ppm	0.5128 ppm	0.5079 ppm	5.0662 ppm	0.5383 ppm
Concentration per Run	0.5062 ppm	0.5048 ppm	0.5028 ppm	0.5123 ppm	0.5087 ppm	5.0761 ppm	0.5422 ppm
Concentration per Run	0.5025 ppm	0.5046 ppm	0.4997 ppm	0.5121 ppm	0.5061 ppm	5.0931 ppm	0.5370 ppm
Concentration per Run	0.5058 ppm	0.5052 ppm	0.5032 ppm	0.5140 ppm	0.5088 ppm	5.0294 ppm	0.5359 ppm
Recovery Percentage	100.968 %	100.978 %	100.383 %	102.557 %	101.571 %	101.324 %	107.668 %
Concentration RSD	0.4 %	0.1 %	0.4 %	0.2 %	0.3 %	0.7 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5030 ppm	0.5131 ppm	0.5125 ppm	10.3827 ppm	0.5137 ppm	0.4935 ppm	0.5206 ppm
Concentration per Run	0.5051 ppm	0.5143 ppm	0.5131 ppm	10.4295 ppm	0.5161 ppm	0.4956 ppm	0.5232 ppm
Concentration per Run	0.5014 ppm	0.5127 ppm	0.5091 ppm	10.3845 ppm	0.5092 ppm	0.4938 ppm	0.5195 ppm
Concentration per Run	0.5024 ppm	0.5124 ppm	0.5155 ppm	10.3340 ppm	0.5157 ppm	0.4911 ppm	0.5190 ppm
Recovery Percentage	100.593 %	102.628 %	102.508 %	103.827 %	102.731 %	98.703 %	104.114 %
Concentration RSD	0.4 %	0.2 %	0.6 %	0.5 %	0.8 %	0.5 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4935 ppm	5.4197 ppm	0.5314 ppm	0.5141 ppm	0.5053 ppm	0.5106 ppm	0.5083 ppm
Concentration per Run	0.4934 ppm	5.4154 ppm	0.5320 ppm	0.5133 ppm	0.5060 ppm	0.5126 ppm	0.5096 ppm
Concentration per Run	0.4931 ppm	5.4023 ppm	0.5268 ppm	0.5129 ppm	0.5044 ppm	0.5091 ppm	0.5077 ppm
Concentration per Run	0.4941 ppm	5.4412 ppm	0.5354 ppm	0.5159 ppm	0.5055 ppm	0.5100 ppm	0.5077 ppm
Recovery Percentage	98.703 %	103.232 %	106.279 %	102.810 %	101.058 %	102.118 %	101.666 %
Concentration RSD	0.1 %	0.4 %	0.8 %	0.3 %	0.2 %	0.4 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4976 ppm	105.3620 %	103.2976 %	99.7922 %	105.2190 %	102.7080 %	102.2994 %
Concentration per Run	0.4979 ppm	104.8645 %	103.4572 %	99.5971 %	104.7346 %	103.5514 %	102.2205 %
Concentration per Run	0.4952 ppm	105.8176 %	103.6022 %	100.0697 %	105.5382 %	102.7980 %	102.4186 %
Concentration per Run	0.4997 ppm	105.4038 %	102.8333 %	99.7098 %	105.3843 %	101.7746 %	102.2590 %
Recovery Percentage	99.520 %						
Concentration RSD	0.5 %	0.5 %	0.4 %	0.2 %	0.4 %	0.9 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 5:59:49 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0083 ppm	0.0017 ppm	0.0014 ppm	0.0001 ppm	0.0001 ppm	0.0057 ppm
Concentration per Run	-0.0004 ppm	-0.0094 ppm	0.0026 ppm	0.0015 ppm	0.0001 ppm	0.0001 ppm	0.0059 ppm
Concentration per Run	-0.0001 ppm	-0.0082 ppm	0.0008 ppm	0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0063 ppm
Concentration per Run	-0.0001 ppm	-0.0073 ppm	0.0017 ppm	0.0015 ppm	0.0001 ppm	0.0001 ppm	0.0050 ppm
Recovery Percentage	-3.943 %	-8.317 %	34.307 %	4.587 %	0.806 %	2.700 %	5.739 %
Concentration RSD	70.0 %	12.6 %	54.6 %	13.8 %	19.9 %	5.1 %	11.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0021 ppm	-0.0059 ppm	0.0000 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0022 ppm	-0.0088 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0020 ppm	-0.0149 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0023 ppm	0.0062 ppm	-0.0004 ppm
Recovery Percentage	3.756 %	2.939 %	3.200 %	4.479 %	4.271 %	-0.235 %	-0.292 %
Concentration RSD	50.9 %	19.3 %	24.5 %	227.9 %	6.7 %	185.0 %	1,381.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0019 ppm	0.0003 ppm	0.0072 ppm	0.0206 ppm	-0.0003 ppm	-0.0008 ppm	0.0025 ppm
Concentration per Run	0.0035 ppm	0.0003 ppm	0.0073 ppm	0.0183 ppm	-0.0005 ppm	-0.0014 ppm	0.0014 ppm
Concentration per Run	0.0008 ppm	0.0004 ppm	0.0070 ppm	0.0188 ppm	-0.0006 ppm	-0.0001 ppm	0.0027 ppm
Concentration per Run	0.0016 ppm	0.0004 ppm	0.0073 ppm	0.0247 ppm	0.0001 ppm	-0.0009 ppm	0.0034 ppm
Recovery Percentage	1.942 %	3.411 %	14.380 %	1.031 %	-1.257 %	-8.049 %	4.962 %
Concentration RSD	71.4 %	13.9 %	2.7 %	17.4 %	123.0 %	81.0 %	40.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0039 ppm	0.0029 ppm	0.0083 ppm	0.0001 ppm	0.0014 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run	0.0035 ppm	0.0026 ppm	0.0086 ppm	0.0001 ppm	0.0014 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run	0.0045 ppm	0.0030 ppm	0.0081 ppm	0.0001 ppm	0.0013 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run	0.0038 ppm	0.0032 ppm	0.0081 ppm	0.0001 ppm	0.0014 ppm	-0.0002 ppm	0.0000 ppm
Recovery Percentage	39.268 %	0.583 %	16.562 %	0.903 %	13.789 %	3.554 %	-0.120 %
Concentration RSD	14.1 %	8.9 %	3.2 %	44.7 %	2.0 %	123.6 %	1,073.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	104.6779 %	101.9147 %	100.5347 %	106.4260 %	104.0789 %	102.3056 %
Concentration per Run	0.0004 ppm	104.5607 %	102.0367 %	100.7637 %	106.4851 %	104.0133 %	102.5578 %
Concentration per Run	0.0003 ppm	104.8824 %	102.4757 %	100.5705 %	106.2660 %	105.1696 %	102.1792 %
Concentration per Run	0.0005 ppm	104.5905 %	101.2318 %	100.2698 %	106.5269 %	103.0539 %	102.1798 %
Recovery Percentage	8.016 %						
Concentration RSD	18.4 %	0.2 %	0.6 %	0.2 %	0.1 %	1.0 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115668-1 WG2115668
 Analysis started at: 9/18/2025 6:08:14 PM
 Rack: 2
 Vial: 17
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0084 ppm	0.0000 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0063 ppm
Concentration per Run	-0.0005 ppm	-0.0026 ppm	-0.0005 ppm	-0.0018 ppm	0.0001 ppm	0.0000 ppm	0.0066 ppm
Concentration per Run	0.0002 ppm	-0.0104 ppm	-0.0004 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0074 ppm
Concentration per Run	0.0000 ppm	-0.0121 ppm	0.0010 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0049 ppm
Concentration RSD	305.8 %	60.2 %	1,752.7 %	262.2 %	84.3 %	57.1 %	20.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0001 ppm	-0.0003 ppm	0.0021 ppm	-0.0114 ppm	-0.0005 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0004 ppm	0.0019 ppm	-0.0108 ppm	-0.0010 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0003 ppm	0.0022 ppm	-0.0085 ppm	-0.0003 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0001 ppm	-0.0004 ppm	0.0021 ppm	-0.0149 ppm	-0.0001 ppm
Concentration RSD	163.3 %	123.9 %	35.5 %	22.8 %	6.8 %	28.4 %	92.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0044 ppm	0.0017 ppm	0.0010 ppm	0.0108 ppm	-0.0004 ppm	-0.0004 ppm	0.0007 ppm
Concentration per Run	0.0035 ppm	0.0018 ppm	0.0009 ppm	0.0125 ppm	-0.0002 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run	0.0051 ppm	0.0017 ppm	0.0011 ppm	0.0079 ppm	-0.0004 ppm	-0.0006 ppm	0.0018 ppm
Concentration per Run	0.0045 ppm	0.0017 ppm	0.0009 ppm	0.0121 ppm	-0.0006 ppm	-0.0008 ppm	0.0004 ppm
Concentration RSD	18.9 %	0.8 %	9.8 %	23.2 %	56.9 %	140.3 %	121.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0005 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0007 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	-0.0006 ppm	-0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0007 ppm	0.0012 ppm	-0.0002 ppm
Concentration per Run	0.0006 ppm	-0.0005 ppm	-0.0004 ppm	0.0000 ppm	0.0006 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run	-0.0015 ppm	-0.0006 ppm	0.0007 ppm	0.0001 ppm	0.0007 ppm	0.0012 ppm	-0.0001 ppm
Concentration RSD	229.0 %	15.3 %	443.4 %	69.0 %	11.7 %	19.5 %	142.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	106.3481 %	102.1557 %	103.6668 %	108.2885 %	104.2919 %	104.7609 %
Concentration per Run	0.0001 ppm	106.6523 %	103.5185 %	104.2950 %	108.7797 %	105.7074 %	104.9828 %
Concentration per Run	0.0002 ppm	105.8445 %	100.3227 %	103.1248 %	107.6198 %	102.4185 %	104.6141 %
Concentration per Run	0.0003 ppm	106.5477 %	102.6258 %	103.5806 %	108.4661 %	104.7498 %	104.6859 %
Concentration RSD	55.2 %	0.4 %	1.6 %	0.6 %	0.6 %	1.6 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115668-2 WG2115668
 Analysis started at: 9/18/2025 6:11:46 PM
 Rack: 2
 Vial: 18
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0514 ppm	2.0427 ppm	0.1215 ppm	0.9892 ppm	2.0107 ppm	0.0519 ppm	10.3473 ppm
Concentration per Run	0.0514 ppm	2.0547 ppm	0.1218 ppm	0.9958 ppm	2.0045 ppm	0.0520 ppm	10.4026 ppm
Concentration per Run	0.0514 ppm	2.0375 ppm	0.1220 ppm	0.9823 ppm	2.0164 ppm	0.0519 ppm	10.3088 ppm
Concentration per Run	0.0515 ppm	2.0358 ppm	0.1206 ppm	0.9894 ppm	2.0111 ppm	0.0516 ppm	10.3306 ppm
Concentration RSD	0.1 %	0.5 %	0.6 %	0.7 %	0.3 %	0.4 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0532 ppm	0.4990 ppm	0.1997 ppm	0.2566 ppm	1.0202 ppm	10.2384 ppm	-0.0002 ppm
Concentration per Run	0.0535 ppm	0.5005 ppm	0.2010 ppm	0.2563 ppm	1.0219 ppm	10.2309 ppm	-0.0012 ppm
Concentration per Run	0.0529 ppm	0.4969 ppm	0.1986 ppm	0.2565 ppm	1.0219 ppm	10.2834 ppm	0.0004 ppm
Concentration per Run	0.0531 ppm	0.4996 ppm	0.1994 ppm	0.2568 ppm	1.0169 ppm	10.2008 ppm	0.0002 ppm
Concentration RSD	0.6 %	0.4 %	0.6 %	0.1 %	0.3 %	0.4 %	454.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.0595 ppm	0.5101 ppm	0.9659 ppm	10.6007 ppm	0.5127 ppm	0.5272 ppm	0.3829 ppm
Concentration per Run	10.1085 ppm	0.5123 ppm	0.9636 ppm	10.6062 ppm	0.5164 ppm	0.5263 ppm	0.3830 ppm
Concentration per Run	10.0532 ppm	0.5098 ppm	0.9596 ppm	10.5965 ppm	0.5092 ppm	0.5266 ppm	0.3802 ppm
Concentration per Run	10.0168 ppm	0.5081 ppm	0.9746 ppm	10.5994 ppm	0.5126 ppm	0.5286 ppm	0.3856 ppm
Concentration RSD	0.5 %	0.4 %	0.8 %	0.0 %	0.7 %	0.2 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1192 ppm	0.9153 ppm	0.9496 ppm	1.0038 ppm	1.0101 ppm	0.1236 ppm	0.5175 ppm
Concentration per Run	0.1174 ppm	0.9140 ppm	0.9571 ppm	1.0051 ppm	1.0093 ppm	0.1216 ppm	0.5172 ppm
Concentration per Run	0.1207 ppm	0.9136 ppm	0.9395 ppm	1.0056 ppm	1.0096 ppm	0.1237 ppm	0.5165 ppm
Concentration per Run	0.1195 ppm	0.9185 ppm	0.9520 ppm	1.0007 ppm	1.0114 ppm	0.1255 ppm	0.5188 ppm
Concentration RSD	1.4 %	0.3 %	1.0 %	0.3 %	0.1 %	1.6 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5005 ppm	104.9837 %	102.6496 %	97.2408 %	105.3138 %	103.1911 %	101.4658 %
Concentration per Run	0.5059 ppm	104.6357 %	102.2915 %	97.4965 %	104.9865 %	103.3837 %	101.7821 %
Concentration per Run	0.4962 ppm	105.1596 %	102.8358 %	96.9810 %	105.3883 %	102.5851 %	101.2774 %
Concentration per Run	0.4994 ppm	105.1556 %	102.8216 %	97.2450 %	105.5666 %	103.6046 %	101.3380 %
Concentration RSD	1.0 %	0.3 %	0.3 %	0.3 %	0.3 %	0.5 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557076-03 WG2115668
 Analysis started at: 9/18/2025 6:15:13 PM
 Rack: 2
 Vial: 19
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0090 ppm	0.0012 ppm	0.0218 ppm	0.0129 ppm	0.0000 ppm	22.8239 ppm
Concentration per Run	-0.0003 ppm	-0.0079 ppm	0.0009 ppm	0.0217 ppm	0.0129 ppm	0.0000 ppm	22.7961 ppm
Concentration per Run	-0.0003 ppm	-0.0118 ppm	0.0019 ppm	0.0228 ppm	0.0129 ppm	0.0000 ppm	22.9093 ppm
Concentration per Run	-0.0001 ppm	-0.0074 ppm	0.0006 ppm	0.0210 ppm	0.0128 ppm	0.0000 ppm	22.7663 ppm
Concentration RSD	66.9 %	26.9 %	60.6 %	4.3 %	0.3 %	31.7 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0001 ppm	0.0002 ppm	-0.0002 ppm	0.0036 ppm	1.5294 ppm	-0.0004 ppm
Concentration per Run	-0.0003 ppm	0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0035 ppm	1.5492 ppm	-0.0001 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0000 ppm	0.0033 ppm	1.5221 ppm	-0.0010 ppm
Concentration per Run	-0.0002 ppm	-0.0005 ppm	-0.0001 ppm	-0.0001 ppm	0.0041 ppm	1.5170 ppm	-0.0001 ppm
Concentration RSD	33.5 %	326.6 %	131.8 %	90.2 %	11.3 %	1.1 %	136.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	4.7669 ppm	0.0005 ppm	0.0122 ppm	10.8718 ppm	0.0000 ppm	-0.0006 ppm	0.0109 ppm
Concentration per Run	4.7288 ppm	0.0005 ppm	0.0124 ppm	10.8837 ppm	-0.0001 ppm	-0.0008 ppm	0.0123 ppm
Concentration per Run	4.7789 ppm	0.0005 ppm	0.0122 ppm	10.8819 ppm	-0.0002 ppm	-0.0003 ppm	0.0086 ppm
Concentration per Run	4.7929 ppm	0.0005 ppm	0.0119 ppm	10.8498 ppm	0.0003 ppm	-0.0005 ppm	0.0116 ppm
Concentration RSD	0.7 %	1.9 %	1.9 %	0.2 %	2,811.6 %	44.5 %	18.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0011 ppm	1.2783 ppm	0.0090 ppm	0.0748 ppm	0.0013 ppm	0.0007 ppm	0.0004 ppm
Concentration per Run	0.0010 ppm	1.2720 ppm	0.0092 ppm	0.0749 ppm	0.0012 ppm	0.0008 ppm	0.0004 ppm
Concentration per Run	0.0026 ppm	1.2766 ppm	0.0090 ppm	0.0748 ppm	0.0014 ppm	0.0012 ppm	0.0004 ppm
Concentration per Run	-0.0003 ppm	1.2861 ppm	0.0089 ppm	0.0747 ppm	0.0013 ppm	0.0001 ppm	0.0003 ppm
Concentration RSD	129.3 %	0.6 %	1.9 %	0.1 %	7.6 %	87.2 %	19.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	105.0623 %	103.0545 %	99.5316 %	105.3088 %	102.7454 %	101.7462 %
Concentration per Run	0.0002 ppm	105.7517 %	103.1496 %	99.7304 %	105.8341 %	102.3614 %	101.9224 %
Concentration per Run	0.0001 ppm	105.0171 %	102.7631 %	100.1094 %	105.1391 %	103.1692 %	102.4357 %
Concentration per Run	0.0002 ppm	104.4182 %	103.2508 %	98.7549 %	104.9533 %	102.7055 %	100.8806 %
Concentration RSD	17.6 %	0.6 %	0.2 %	0.7 %	0.4 %	0.4 %	0.8 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115668-3 WG2115668
 Analysis started at: 9/18/2025 6:18:39 PM
 Rack: 2
 Vial: 20
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0520 ppm	2.0578 ppm	0.1240 ppm	1.0261 ppm	2.0333 ppm	0.0524 ppm	33.2765 ppm
Concentration per Run	0.0517 ppm	2.0482 ppm	0.1229 ppm	1.0266 ppm	2.0222 ppm	0.0525 ppm	33.4677 ppm
Concentration per Run	0.0520 ppm	2.0579 ppm	0.1240 ppm	1.0257 ppm	2.0241 ppm	0.0521 ppm	33.1316 ppm
Concentration per Run	0.0524 ppm	2.0673 ppm	0.1251 ppm	1.0259 ppm	2.0535 ppm	0.0525 ppm	33.2302 ppm
Concentration RSD	0.7 %	0.5 %	0.9 %	0.0 %	0.9 %	0.4 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0528 ppm	0.4944 ppm	0.1998 ppm	0.2566 ppm	1.0212 ppm	11.9298 ppm	-0.0009 ppm
Concentration per Run	0.0530 ppm	0.4972 ppm	0.2002 ppm	0.2552 ppm	1.0243 ppm	11.9045 ppm	-0.0012 ppm
Concentration per Run	0.0527 ppm	0.4928 ppm	0.1993 ppm	0.2570 ppm	1.0149 ppm	11.8970 ppm	-0.0005 ppm
Concentration per Run	0.0527 ppm	0.4933 ppm	0.1997 ppm	0.2576 ppm	1.0245 ppm	11.9879 ppm	-0.0011 ppm
Concentration RSD	0.3 %	0.5 %	0.2 %	0.5 %	0.5 %	0.4 %	40.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	14.8855 ppm	0.5086 ppm	0.9532 ppm	21.5521 ppm	0.5095 ppm	0.5260 ppm	0.4447 ppm
Concentration per Run	14.9540 ppm	0.5095 ppm	0.9491 ppm	21.4611 ppm	0.5112 ppm	0.5265 ppm	0.4427 ppm
Concentration per Run	14.8101 ppm	0.5073 ppm	0.9511 ppm	21.5886 ppm	0.5076 ppm	0.5269 ppm	0.4439 ppm
Concentration per Run	14.8924 ppm	0.5091 ppm	0.9594 ppm	21.6066 ppm	0.5099 ppm	0.5244 ppm	0.4474 ppm
Concentration RSD	0.5 %	0.2 %	0.6 %	0.4 %	0.4 %	0.3 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1217 ppm	2.2697 ppm	0.9410 ppm	1.0832 ppm	1.0177 ppm	0.1232 ppm	0.5201 ppm
Concentration per Run	0.1196 ppm	2.2750 ppm	0.9434 ppm	1.0850 ppm	1.0121 ppm	0.1228 ppm	0.5209 ppm
Concentration per Run	0.1239 ppm	2.2668 ppm	0.9354 ppm	1.0769 ppm	1.0201 ppm	0.1239 ppm	0.5192 ppm
Concentration per Run	0.1217 ppm	2.2673 ppm	0.9443 ppm	1.0876 ppm	1.0210 ppm	0.1228 ppm	0.5202 ppm
Concentration RSD	1.8 %	0.2 %	0.5 %	0.5 %	0.5 %	0.5 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5004 ppm	103.3552 %	102.7728 %	95.6662 %	103.6482 %	102.7098 %	100.4552 %
Concentration per Run	0.5036 ppm	103.5478 %	102.4447 %	95.7724 %	103.9358 %	102.9235 %	100.7156 %
Concentration per Run	0.4971 ppm	103.3717 %	102.7951 %	95.6295 %	103.4803 %	102.5666 %	100.3204 %
Concentration per Run	0.5005 ppm	103.1461 %	103.0787 %	95.5967 %	103.5286 %	102.6393 %	100.3297 %
Concentration RSD	0.6 %	0.2 %	0.3 %	0.1 %	0.2 %	0.2 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115668-4 WG2115668
 Analysis started at: 9/18/2025 6:22:06 PM
 Rack: 2
 Vial: 21
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0070 ppm	-0.0005 ppm	0.0234 ppm	0.0130 ppm	0.0000 ppm	22.8859 ppm
Concentration per Run	-0.0001 ppm	-0.0069 ppm	-0.0007 ppm	0.0244 ppm	0.0130 ppm	0.0000 ppm	22.9397 ppm
Concentration per Run	-0.0002 ppm	-0.0046 ppm	0.0003 ppm	0.0230 ppm	0.0129 ppm	0.0000 ppm	22.8143 ppm
Concentration per Run	-0.0004 ppm	-0.0096 ppm	-0.0011 ppm	0.0227 ppm	0.0132 ppm	0.0000 ppm	22.9037 ppm
Concentration RSD	56.7 %	35.6 %	135.2 %	3.8 %	1.1 %	119.7 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	0.0003 ppm	0.0008 ppm	-0.0001 ppm	0.0082 ppm	1.5376 ppm	-0.0002 ppm
Concentration per Run	-0.0002 ppm	0.0005 ppm	0.0007 ppm	0.0000 ppm	0.0086 ppm	1.5563 ppm	0.0003 ppm
Concentration per Run	-0.0003 ppm	0.0003 ppm	0.0006 ppm	0.0000 ppm	0.0089 ppm	1.5261 ppm	-0.0001 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	0.0010 ppm	-0.0001 ppm	0.0071 ppm	1.5303 ppm	-0.0008 ppm
Concentration RSD	7.5 %	67.3 %	27.3 %	49.1 %	11.7 %	1.1 %	289.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	4.8046 ppm	0.0005 ppm	0.0148 ppm	10.9200 ppm	0.0006 ppm	-0.0005 ppm	0.0125 ppm
Concentration per Run	4.7970 ppm	0.0005 ppm	0.0150 ppm	10.9846 ppm	0.0005 ppm	-0.0008 ppm	0.0123 ppm
Concentration per Run	4.8169 ppm	0.0005 ppm	0.0147 ppm	10.8673 ppm	0.0004 ppm	-0.0003 ppm	0.0139 ppm
Concentration per Run	4.7999 ppm	0.0005 ppm	0.0148 ppm	10.9080 ppm	0.0008 ppm	-0.0004 ppm	0.0113 ppm
Concentration RSD	0.2 %	1.6 %	0.9 %	0.5 %	36.6 %	49.9 %	10.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0012 ppm	1.2829 ppm	0.0128 ppm	0.0753 ppm	0.0015 ppm	0.0004 ppm	0.0005 ppm
Concentration per Run	0.0008 ppm	1.2753 ppm	0.0127 ppm	0.0755 ppm	0.0015 ppm	-0.0009 ppm	0.0005 ppm
Concentration per Run	0.0017 ppm	1.2885 ppm	0.0122 ppm	0.0751 ppm	0.0015 ppm	0.0003 ppm	0.0005 ppm
Concentration per Run	0.0009 ppm	1.2850 ppm	0.0135 ppm	0.0754 ppm	0.0017 ppm	0.0017 ppm	0.0005 ppm
Concentration RSD	44.0 %	0.5 %	5.1 %	0.3 %	8.2 %	346.4 %	8.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	104.8151 %	103.7748 %	99.4652 %	105.1008 %	103.7605 %	101.7172 %
Concentration per Run	0.0002 ppm	104.7941 %	103.6693 %	98.8911 %	104.9535 %	104.0594 %	101.4946 %
Concentration per Run	0.0001 ppm	104.9376 %	104.1876 %	99.8894 %	105.3776 %	104.2933 %	101.6530 %
Concentration per Run	0.0002 ppm	104.7137 %	103.4674 %	99.6150 %	104.9714 %	102.9288 %	102.0040 %
Concentration RSD	21.9 %	0.1 %	0.4 %	0.5 %	0.2 %	0.7 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115668-5 WG2115668
 Analysis started at: 9/18/2025 6:25:32 PM
 Rack: 2
 Vial: 22
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0484 ppm	1.9989 ppm	0.1214 ppm	1.0074 ppm	1.9776 ppm	0.0508 ppm	31.8520 ppm
Concentration per Run	0.0484 ppm	2.0055 ppm	0.1221 ppm	1.0062 ppm	1.9835 ppm	0.0507 ppm	31.8594 ppm
Concentration per Run	0.0485 ppm	1.9936 ppm	0.1207 ppm	1.0053 ppm	1.9678 ppm	0.0507 ppm	31.8520 ppm
Concentration per Run	0.0483 ppm	1.9977 ppm	0.1214 ppm	1.0108 ppm	1.9814 ppm	0.0509 ppm	31.8447 ppm
Concentration RSD	0.3 %	0.3 %	0.5 %	0.3 %	0.4 %	0.2 %	0.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0513 ppm	0.4811 ppm	0.1941 ppm	0.2491 ppm	0.9933 ppm	11.6270 ppm	-0.0006 ppm
Concentration per Run	0.0519 ppm	0.4834 ppm	0.1942 ppm	0.2479 ppm	0.9917 ppm	11.6278 ppm	-0.0008 ppm
Concentration per Run	0.0507 ppm	0.4792 ppm	0.1937 ppm	0.2501 ppm	0.9943 ppm	11.6019 ppm	-0.0008 ppm
Concentration per Run	0.0512 ppm	0.4808 ppm	0.1943 ppm	0.2492 ppm	0.9939 ppm	11.6514 ppm	-0.0003 ppm
Concentration RSD	1.1 %	0.4 %	0.2 %	0.5 %	0.1 %	0.2 %	46.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	14.4082 ppm	0.4934 ppm	0.9208 ppm	20.8644 ppm	0.4961 ppm	0.5128 ppm	0.3163 ppm
Concentration per Run	14.4706 ppm	0.4934 ppm	0.9190 ppm	20.9271 ppm	0.4960 ppm	0.5118 ppm	0.3161 ppm
Concentration per Run	14.3830 ppm	0.4923 ppm	0.9180 ppm	20.7719 ppm	0.4949 ppm	0.5143 ppm	0.3125 ppm
Concentration per Run	14.3710 ppm	0.4945 ppm	0.9253 ppm	20.8943 ppm	0.4975 ppm	0.5125 ppm	0.3203 ppm
Concentration RSD	0.4 %	0.2 %	0.4 %	0.4 %	0.3 %	0.3 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1177 ppm	2.1628 ppm	0.9282 ppm	1.0563 ppm	0.9982 ppm	0.1207 ppm	0.5043 ppm
Concentration per Run	0.1175 ppm	2.1660 ppm	0.9313 ppm	1.0577 ppm	0.9949 ppm	0.1198 ppm	0.5046 ppm
Concentration per Run	0.1183 ppm	2.1652 ppm	0.9232 ppm	1.0501 ppm	0.9999 ppm	0.1201 ppm	0.5041 ppm
Concentration per Run	0.1174 ppm	2.1572 ppm	0.9300 ppm	1.0609 ppm	0.9998 ppm	0.1222 ppm	0.5041 ppm
Concentration RSD	0.4 %	0.2 %	0.5 %	0.5 %	0.3 %	1.1 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4890 ppm	104.1046 %	103.2635 %	96.1362 %	104.2898 %	103.2990 %	100.8475 %
Concentration per Run	0.4909 ppm	104.4292 %	103.3750 %	96.7119 %	104.6890 %	103.4262 %	101.2854 %
Concentration per Run	0.4869 ppm	103.7993 %	103.0759 %	95.9483 %	104.0631 %	102.4743 %	100.6487 %
Concentration per Run	0.4892 ppm	104.0853 %	103.3396 %	95.7485 %	104.1172 %	103.9964 %	100.6085 %
Concentration RSD	0.4 %	0.3 %	0.2 %	0.5 %	0.3 %	0.7 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115668-6 WG2115668
 Analysis started at: 9/18/2025 6:29:00 PM
 Rack: 2
 Vial: 23
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0073 ppm	0.0005 ppm	0.0068 ppm	0.0028 ppm	0.0000 ppm	4.6573 ppm
Concentration per Run	-0.0002 ppm	-0.0056 ppm	0.0004 ppm	0.0077 ppm	0.0028 ppm	0.0000 ppm	4.6578 ppm
Concentration per Run	0.0000 ppm	-0.0103 ppm	0.0011 ppm	0.0067 ppm	0.0027 ppm	0.0000 ppm	4.6436 ppm
Concentration per Run	-0.0002 ppm	-0.0059 ppm	0.0000 ppm	0.0059 ppm	0.0028 ppm	0.0000 ppm	4.6705 ppm
Concentration RSD	108.4 %	36.3 %	116.8 %	13.0 %	1.7 %	389.6 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0038 ppm	0.3129 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0046 ppm	0.3142 ppm	0.0002 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm	-0.0002 ppm	0.0032 ppm	0.3219 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0001 ppm	-0.0003 ppm	0.0036 ppm	0.3027 ppm	-0.0007 ppm
Concentration RSD	47.4 %	28.8 %	601.3 %	31.2 %	19.5 %	3.1 %	502.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.9630 ppm	0.0001 ppm	0.0186 ppm	2.2234 ppm	-0.0003 ppm	-0.0013 ppm	0.0625 ppm
Concentration per Run	0.9683 ppm	0.0002 ppm	0.0183 ppm	2.2167 ppm	-0.0001 ppm	-0.0012 ppm	0.0639 ppm
Concentration per Run	0.9587 ppm	0.0000 ppm	0.0186 ppm	2.2245 ppm	-0.0005 ppm	-0.0013 ppm	0.0647 ppm
Concentration per Run	0.9620 ppm	0.0001 ppm	0.0189 ppm	2.2290 ppm	-0.0004 ppm	-0.0012 ppm	0.0589 ppm
Concentration RSD	0.5 %	67.4 %	1.7 %	0.3 %	73.3 %	4.8 %	5.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0009 ppm	0.2515 ppm	0.0337 ppm	0.0151 ppm	0.0018 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run	0.0014 ppm	0.2502 ppm	0.0358 ppm	0.0152 ppm	0.0017 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	0.0011 ppm	0.2533 ppm	0.0336 ppm	0.0151 ppm	0.0018 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.2509 ppm	0.0318 ppm	0.0151 ppm	0.0019 ppm	0.0000 ppm	0.0004 ppm
Concentration RSD	86.2 %	0.7 %	5.8 %	0.1 %	4.9 %	82.6 %	257.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	105.9190 %	101.8203 %	101.3606 %	106.7261 %	102.7879 %	102.8549 %
Concentration per Run	0.0004 ppm	105.8084 %	102.2121 %	102.0905 %	106.6111 %	103.2772 %	103.6444 %
Concentration per Run	0.0003 ppm	105.8858 %	101.6321 %	101.1336 %	106.7481 %	102.5930 %	102.9072 %
Concentration per Run	0.0004 ppm	106.0628 %	101.6169 %	100.8576 %	106.8191 %	102.4934 %	102.0131 %
Concentration RSD	21.5 %	0.1 %	0.3 %	0.6 %	0.1 %	0.4 %	0.8 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2554954-01 WG2115668
 Analysis started at: 9/18/2025 6:32:27 PM
 Rack: 2
 Vial: 24
 Comment: 20x PREP

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0041 ppm	0.2230 ppm	0.0015 ppm	0.0371 ppm	0.0002 ppm	0.0000 ppm	0.1106 ppm
Concentration per Run	0.0041 ppm	0.2243 ppm	0.0016 ppm	0.0369 ppm	0.0003 ppm	0.0000 ppm	0.1083 ppm
Concentration per Run	0.0044 ppm	0.2212 ppm	0.0012 ppm	0.0370 ppm	0.0001 ppm	0.0000 ppm	0.1116 ppm
Concentration per Run	0.0039 ppm	0.2236 ppm	0.0016 ppm	0.0375 ppm	0.0002 ppm	0.0000 ppm	0.1119 ppm
Concentration RSD	5.9 %	0.7 %	16.2 %	0.8 %	28.3 %	54.6 %	1.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0010 ppm	0.1239 ppm	0.0345 ppm	0.3206 ppm	0.9993 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.1241 ppm	0.0338 ppm	0.3211 ppm	1.0083 ppm	0.0004 ppm
Concentration per Run	0.0000 ppm	0.0012 ppm	0.1246 ppm	0.0343 ppm	0.3204 ppm	0.9905 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	0.0013 ppm	0.1229 ppm	0.0354 ppm	0.3201 ppm	0.9991 ppm	-0.0007 ppm
Concentration RSD	26.9 %	35.5 %	0.7 %	2.3 %	0.2 %	0.9 %	394.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.1562 ppm	0.0135 ppm	0.0840 ppm	399.7581 ppm	0.7462 ppm	0.0002 ppm	0.0087 ppm
Concentration per Run	0.1561 ppm	0.0136 ppm	0.0825 ppm	398.8660 ppm	0.7396 ppm	0.0003 ppm	0.0065 ppm
Concentration per Run	0.1573 ppm	0.0135 ppm	0.0848 ppm	396.9120 ppm	0.7499 ppm	0.0007 ppm	0.0090 ppm
Concentration per Run	0.1553 ppm	0.0135 ppm	0.0848 ppm	403.4964 ppm	0.7492 ppm	-0.0003 ppm	0.0106 ppm
Concentration RSD	0.7 %	0.2 %	1.6 %	0.8 %	0.8 %	207.9 %	23.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0009 ppm	0.4872 ppm	0.0013 ppm	0.0004 ppm	0.0213 ppm	0.0014 ppm	0.0030 ppm
Concentration per Run	0.0013 ppm	0.4873 ppm	0.0012 ppm	0.0005 ppm	0.0211 ppm	0.0016 ppm	0.0030 ppm
Concentration per Run	0.0001 ppm	0.4865 ppm	0.0015 ppm	0.0004 ppm	0.0209 ppm	0.0012 ppm	0.0030 ppm
Concentration per Run	0.0013 ppm	0.4877 ppm	0.0011 ppm	0.0004 ppm	0.0218 ppm	0.0013 ppm	0.0031 ppm
Concentration RSD	75.3 %	0.1 %	14.6 %	13.2 %	2.3 %	14.4 %	1.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0043 ppm	96.8529 %	102.4266 %	88.5714 %	96.9706 %	102.4197 %	95.0246 %
Concentration per Run	0.0043 ppm	97.1084 %	102.6003 %	89.2882 %	97.1950 %	102.5332 %	95.5608 %
Concentration per Run	0.0044 ppm	96.8678 %	102.6975 %	88.2088 %	97.3048 %	102.6104 %	94.8020 %
Concentration per Run	0.0043 ppm	96.5825 %	101.9820 %	88.2173 %	96.4121 %	102.1154 %	94.7111 %
Concentration RSD	1.6 %	0.3 %	0.4 %	0.7 %	0.5 %	0.3 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2554954-01 WG2115668
Analysis started at: 9/18/2025 6:35:55 PM
Rack: 2
Vial: 25
Comment: 50x PREP

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0016 ppm	0.0823 ppm	0.0017 ppm	0.0153 ppm	0.0001 ppm	0.0000 ppm	0.0395 ppm
Concentration per Run	0.0016 ppm	0.0818 ppm	0.0021 ppm	0.0148 ppm	0.0001 ppm	0.0000 ppm	0.0411 ppm
Concentration per Run	0.0015 ppm	0.0858 ppm	0.0014 ppm	0.0157 ppm	0.0001 ppm	0.0000 ppm	0.0381 ppm
Concentration per Run	0.0016 ppm	0.0793 ppm	0.0016 ppm	0.0153 ppm	0.0002 ppm	0.0000 ppm	0.0392 ppm
Concentration RSD	3.6 %	4.0 %	21.6 %	2.7 %	47.1 %	26.8 %	3.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0006 ppm	0.0487 ppm	0.0129 ppm	0.1116 ppm	0.3950 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0009 ppm	0.0487 ppm	0.0130 ppm	0.1128 ppm	0.4126 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0488 ppm	0.0131 ppm	0.1122 ppm	0.3888 ppm	-0.0005 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0486 ppm	0.0126 ppm	0.1097 ppm	0.3836 ppm	0.0004 ppm
Concentration RSD	559.9 %	42.8 %	0.2 %	2.0 %	1.5 %	3.9 %	429.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0644 ppm	0.0053 ppm	0.0323 ppm	164.4178 ppm	0.3079 ppm	-0.0007 ppm	0.0045 ppm
Concentration per Run	0.0657 ppm	0.0054 ppm	0.0323 ppm	164.7479 ppm	0.3086 ppm	-0.0010 ppm	0.0064 ppm
Concentration per Run	0.0636 ppm	0.0054 ppm	0.0326 ppm	164.3811 ppm	0.3103 ppm	-0.0008 ppm	0.0043 ppm
Concentration per Run	0.0640 ppm	0.0052 ppm	0.0320 ppm	164.1243 ppm	0.3048 ppm	-0.0004 ppm	0.0029 ppm
Concentration RSD	1.7 %	2.3 %	1.0 %	0.2 %	0.9 %	36.8 %	38.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0004 ppm	0.1873 ppm	-0.0003 ppm	0.0002 ppm	0.0083 ppm	0.0008 ppm	0.0010 ppm
Concentration per Run	0.0002 ppm	0.1864 ppm	0.0003 ppm	0.0002 ppm	0.0080 ppm	-0.0001 ppm	0.0011 ppm
Concentration per Run	-0.0026 ppm	0.1883 ppm	-0.0007 ppm	0.0002 ppm	0.0088 ppm	0.0018 ppm	0.0009 ppm
Concentration per Run	0.0010 ppm	0.1872 ppm	-0.0003 ppm	0.0002 ppm	0.0082 ppm	0.0006 ppm	0.0009 ppm
Concentration RSD	444.3 %	0.5 %	195.3 %	5.5 %	5.0 %	124.9 %	11.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0018 ppm	100.9623 %	104.5112 %	94.3611 %	100.8922 %	104.0444 %	98.6195 %
Concentration per Run	0.0016 ppm	100.7102 %	104.3473 %	94.5953 %	100.7386 %	104.0482 %	98.7323 %
Concentration per Run	0.0019 ppm	101.4174 %	104.4210 %	94.2270 %	101.1991 %	104.3748 %	98.4110 %
Concentration per Run	0.0019 ppm	100.7593 %	104.7652 %	94.2609 %	100.7389 %	103.7103 %	98.7153 %
Concentration RSD	8.4 %	0.4 %	0.2 %	0.2 %	0.3 %	0.3 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
 Analysis started at: 9/18/2025 6:48:03 PM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4860 ppm	0.4804 ppm	0.4818 ppm	0.4870 ppm	0.4998 ppm	0.5190 ppm	0.5128 ppm
Concentration per Run	0.4859 ppm	0.4804 ppm	0.4769 ppm	0.4877 ppm	0.4987 ppm	0.5198 ppm	0.5162 ppm
Concentration per Run	0.4871 ppm	0.4844 ppm	0.4849 ppm	0.4873 ppm	0.4984 ppm	0.5191 ppm	0.5150 ppm
Concentration per Run	0.4850 ppm	0.4765 ppm	0.4837 ppm	0.4860 ppm	0.5023 ppm	0.5179 ppm	0.5073 ppm
Recovery Percentage	97.202 %	96.084 %	96.366 %	97.398 %	99.965 %	103.793 %	102.568 %
Concentration RSD	0.2 %	0.8 %	0.9 %	0.2 %	0.4 %	0.2 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5044 ppm	0.5026 ppm	0.5018 ppm	0.5074 ppm	0.5102 ppm	5.0927 ppm	0.5386 ppm
Concentration per Run	0.5065 ppm	0.5031 ppm	0.5021 ppm	0.5064 ppm	0.5106 ppm	5.0954 ppm	0.5431 ppm
Concentration per Run	0.5040 ppm	0.5025 ppm	0.5013 ppm	0.5104 ppm	0.5086 ppm	5.0895 ppm	0.5390 ppm
Concentration per Run	0.5029 ppm	0.5022 ppm	0.5021 ppm	0.5053 ppm	0.5113 ppm	5.0932 ppm	0.5337 ppm
Recovery Percentage	100.888 %	100.521 %	100.364 %	101.479 %	102.037 %	101.854 %	107.718 %
Concentration RSD	0.4 %	0.1 %	0.1 %	0.5 %	0.3 %	0.1 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4994 ppm	0.5155 ppm	0.4904 ppm	10.4224 ppm	0.5114 ppm	0.4958 ppm	0.5178 ppm
Concentration per Run	0.4984 ppm	0.5181 ppm	0.4893 ppm	10.4240 ppm	0.5113 ppm	0.4948 ppm	0.5163 ppm
Concentration per Run	0.4997 ppm	0.5149 ppm	0.4896 ppm	10.4089 ppm	0.5097 ppm	0.4980 ppm	0.5205 ppm
Concentration per Run	0.5001 ppm	0.5134 ppm	0.4923 ppm	10.4343 ppm	0.5132 ppm	0.4947 ppm	0.5168 ppm
Recovery Percentage	99.883 %	103.097 %	98.078 %	104.224 %	102.280 %	99.167 %	103.567 %
Concentration RSD	0.2 %	0.5 %	0.3 %	0.1 %	0.3 %	0.4 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4885 ppm	5.4119 ppm	0.5022 ppm	0.5131 ppm	0.5001 ppm	0.5108 ppm	0.5084 ppm
Concentration per Run	0.4863 ppm	5.3995 ppm	0.5053 ppm	0.5136 ppm	0.4991 ppm	0.5075 ppm	0.5087 ppm
Concentration per Run	0.4895 ppm	5.4295 ppm	0.5006 ppm	0.5121 ppm	0.5008 ppm	0.5144 ppm	0.5092 ppm
Concentration per Run	0.4898 ppm	5.4068 ppm	0.5007 ppm	0.5137 ppm	0.5005 ppm	0.5105 ppm	0.5071 ppm
Recovery Percentage	97.703 %	103.084 %	100.438 %	102.629 %	100.024 %	102.154 %	101.670 %
Concentration RSD	0.4 %	0.3 %	0.5 %	0.2 %	0.2 %	0.7 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4954 ppm	105.7174 %	102.6104 %	100.2097 %	105.4680 %	102.4277 %	102.5004 %
Concentration per Run	0.4972 ppm	105.7683 %	102.1633 %	100.5327 %	105.3081 %	102.5100 %	102.8996 %
Concentration per Run	0.4924 ppm	105.2513 %	103.2430 %	99.4579 %	105.3475 %	103.1032 %	101.7485 %
Concentration per Run	0.4968 ppm	106.1327 %	102.4250 %	100.6385 %	105.7484 %	101.6701 %	102.8531 %
Recovery Percentage	99.089 %						
Concentration RSD	0.5 %	0.4 %	0.5 %	0.7 %	0.2 %	0.7 %	0.6 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 6:51:36 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0069 ppm	0.0015 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0048 ppm
Concentration per Run	0.0002 ppm	-0.0076 ppm	0.0028 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0032 ppm
Concentration per Run	0.0003 ppm	-0.0030 ppm	0.0013 ppm	0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0056 ppm
Concentration per Run	0.0000 ppm	-0.0102 ppm	0.0004 ppm	0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0054 ppm
Recovery Percentage	3.304 %	-6.934 %	30.248 %	2.647 %	0.570 %	1.843 %	4.769 %
Concentration RSD	87.5 %	52.7 %	78.0 %	82.1 %	43.6 %	15.0 %	27.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	0.0002 ppm	0.0003 ppm	-0.0001 ppm	0.0014 ppm	-0.0085 ppm	-0.0004 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.0014 ppm	-0.0090 ppm	-0.0007 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.0027 ppm	-0.0020 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0002 ppm	-0.0002 ppm	0.0003 ppm	-0.0144 ppm	-0.0002 ppm
Recovery Percentage	4.272 %	2.138 %	3.046 %	-1.183 %	2.881 %	-0.338 %	-3.963 %
Concentration RSD	33.4 %	31.0 %	37.7 %	33.6 %	82.1 %	73.6 %	59.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0021 ppm	0.0003 ppm	0.0053 ppm	0.0370 ppm	-0.0002 ppm	-0.0008 ppm	0.0041 ppm
Concentration per Run	0.0021 ppm	0.0001 ppm	0.0058 ppm	0.0379 ppm	0.0001 ppm	-0.0005 ppm	0.0047 ppm
Concentration per Run	0.0016 ppm	0.0003 ppm	0.0050 ppm	0.0371 ppm	-0.0006 ppm	-0.0017 ppm	0.0042 ppm
Concentration per Run	0.0025 ppm	0.0003 ppm	0.0052 ppm	0.0359 ppm	0.0000 ppm	-0.0003 ppm	0.0035 ppm
Recovery Percentage	2.068 %	2.614 %	10.621 %	1.849 %	-0.624 %	-8.146 %	8.250 %
Concentration RSD	21.9 %	40.4 %	7.9 %	2.7 %	240.1 %	97.0 %	13.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0045 ppm	0.0006 ppm	0.0039 ppm	0.0001 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run	0.0046 ppm	-0.0002 ppm	0.0033 ppm	0.0001 ppm	0.0013 ppm	-0.0008 ppm	0.0000 ppm
Concentration per Run	0.0034 ppm	0.0009 ppm	0.0043 ppm	0.0000 ppm	0.0008 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run	0.0055 ppm	0.0011 ppm	0.0042 ppm	0.0001 ppm	0.0011 ppm	0.0010 ppm	0.0001 ppm
Recovery Percentage	45.321 %	0.120 %	7.832 %	0.540 %	10.847 %	0.478 %	-0.217 %
Concentration RSD	23.5 %	116.4 %	14.7 %	17.7 %	20.9 %	978.2 %	324.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	104.6809 %	100.6561 %	100.5413 %	105.8968 %	100.7667 %	102.4215 %
Concentration per Run	0.0005 ppm	105.2762 %	100.4689 %	100.8255 %	106.3606 %	98.0308 %	102.3824 %
Concentration per Run	0.0002 ppm	104.3770 %	101.2077 %	100.3361 %	105.7734 %	103.3810 %	102.4559 %
Concentration per Run	0.0003 ppm	104.3895 %	100.2917 %	100.4622 %	105.5564 %	100.8881 %	102.4263 %
Recovery Percentage	6.825 %						
Concentration RSD	30.9 %	0.5 %	0.5 %	0.3 %	0.4 %	2.7 %	0.0 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2552122-03d2 WG2114901
 Analysis started at: 9/18/2025 6:57:48 PM
 Rack: 2
 Vial: 28
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0016 ppm	78.0814 ppm	0.0718 ppm	0.0189 ppm	0.3852 ppm	0.0032 ppm	35.4521 ppm
Concentration per Run	0.0017 ppm	78.8671 ppm	0.0711 ppm	0.0180 ppm	0.3889 ppm	0.0033 ppm	35.8654 ppm
Concentration per Run	0.0016 ppm	77.6771 ppm	0.0719 ppm	0.0185 ppm	0.3824 ppm	0.0032 ppm	35.3105 ppm
Concentration per Run	0.0014 ppm	77.6998 ppm	0.0723 ppm	0.0200 ppm	0.3841 ppm	0.0032 ppm	35.1804 ppm
Concentration RSD	8.5 %	0.9 %	0.9 %	5.6 %	0.9 %	1.8 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0014 ppm	0.0466 ppm	0.0883 ppm	0.1904 ppm	110.9333 ppm	3.4536 ppm	0.0822 ppm
Concentration per Run	0.0014 ppm	0.0472 ppm	0.0886 ppm	0.1902 ppm	112.3431 ppm	3.5085 ppm	0.0842 ppm
Concentration per Run	0.0014 ppm	0.0467 ppm	0.0883 ppm	0.1901 ppm	110.2979 ppm	3.4281 ppm	0.0817 ppm
Concentration per Run	0.0014 ppm	0.0459 ppm	0.0881 ppm	0.1909 ppm	110.1587 ppm	3.4241 ppm	0.0807 ppm
Concentration RSD	2.6 %	1.4 %	0.3 %	0.2 %	1.1 %	1.4 %	2.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	29.9996 ppm	2.5213 ppm	0.0060 ppm	1.1923 ppm	0.0917 ppm	0.3970 ppm	0.0049 ppm
Concentration per Run	30.1012 ppm	2.5465 ppm	0.0060 ppm	1.2086 ppm	0.0913 ppm	0.3987 ppm	0.0018 ppm
Concentration per Run	30.0785 ppm	2.5137 ppm	0.0057 ppm	1.1852 ppm	0.0923 ppm	0.3967 ppm	0.0055 ppm
Concentration per Run	29.8191 ppm	2.5035 ppm	0.0063 ppm	1.1830 ppm	0.0917 ppm	0.3957 ppm	0.0074 ppm
Concentration RSD	0.5 %	0.9 %	5.1 %	1.2 %	0.5 %	0.4 %	58.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0037 ppm	2.1247 ppm	0.0344 ppm	0.0782 ppm	1.0286 ppm	-0.0001 ppm	0.1451 ppm
Concentration per Run	0.0031 ppm	2.1288 ppm	0.0341 ppm	0.0790 ppm	1.0295 ppm	-0.0012 ppm	0.1453 ppm
Concentration per Run	0.0035 ppm	2.1234 ppm	0.0347 ppm	0.0779 ppm	1.0319 ppm	0.0002 ppm	0.1452 ppm
Concentration per Run	0.0045 ppm	2.1219 ppm	0.0344 ppm	0.0778 ppm	1.0244 ppm	0.0006 ppm	0.1447 ppm
Concentration RSD	19.5 %	0.2 %	0.9 %	0.8 %	0.4 %	770.9 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4070 ppm	99.9989 %	106.5618 %	92.0936 %	116.8962 %	125.4996 %	117.1103 %
Concentration per Run	0.4072 ppm	100.2424 %	105.7143 %	92.4441 %	117.2546 %	126.0549 %	117.6963 %
Concentration per Run	0.4084 ppm	100.0109 %	107.6388 %	91.8877 %	116.7003 %	126.2106 %	116.6746 %
Concentration per Run	0.4054 ppm	99.7433 %	106.3323 %	91.9489 %	116.7338 %	124.2333 %	116.9601 %
Concentration RSD	0.4 %	0.2 %	0.9 %	0.3 %	0.3 %	0.9 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2552122-04d2 WG2114901
 Analysis started at: 9/18/2025 7:01:33 PM
 Rack: 2
 Vial: 29
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	68.3867 ppm	0.0796 ppm	0.0356 ppm	0.5196 ppm	0.0034 ppm	733.9086 [SIC 1000]
Concentration per Run	0.0006 ppm	68.4774 ppm	0.0796 ppm	0.0355 ppm	0.5193 ppm	0.0034 ppm	740.0529 ppm
Concentration per Run	0.0008 ppm	68.6298 ppm	0.0818 ppm	0.0357 ppm	0.5227 ppm	0.0034 ppm	732.6316 ppm
Concentration per Run	0.0003 ppm	68.0528 ppm	0.0776 ppm	0.0355 ppm	0.5170 ppm	0.0034 ppm	729.0412 ppm
Concentration RSD	39.2 %	0.4 %	2.6 %	0.4 %	0.6 %	0.7 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0076 ppm	0.0526 ppm	0.0971 ppm	0.1903 ppm	131.5366 ppm	6.6762 ppm	0.1140 ppm
Concentration per Run	-0.0074 ppm	0.0533 ppm	0.0965 ppm	0.1908 ppm	132.3509 ppm	6.6824 ppm	0.1169 ppm
Concentration per Run	-0.0076 ppm	0.0526 ppm	0.0972 ppm	0.1908 ppm	131.9711 ppm	6.7373 ppm	0.1116 ppm
Concentration per Run	-0.0078 ppm	0.0520 ppm	0.0976 ppm	0.1892 ppm	130.2877 ppm	6.6088 ppm	0.1135 ppm
Concentration RSD	2.2 %	1.2 %	0.6 %	0.5 %	0.8 %	1.0 %	2.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	374.3203 ppm	6.0284 ppm	0.0041 ppm	2.3466 ppm	0.1161 ppm	0.2287 ppm	0.0030 ppm
Concentration per Run	373.4664 ppm	6.0624 ppm	0.0041 ppm	2.3495 ppm	0.1165 ppm	0.2319 ppm	0.0050 ppm
Concentration per Run	373.3609 ppm	6.0372 ppm	0.0044 ppm	2.3568 ppm	0.1154 ppm	0.2254 ppm	0.0007 ppm
Concentration per Run	376.1336 ppm	5.9856 ppm	0.0040 ppm	2.3334 ppm	0.1164 ppm	0.2290 ppm	0.0033 ppm
Concentration RSD	0.4 %	0.6 %	5.4 %	0.5 %	0.5 %	1.4 %	72.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0005 ppm	1.8381 ppm	0.0147 ppm	0.5696 ppm	1.0225 ppm	-0.0029 ppm	0.1510 ppm
Concentration per Run	0.0007 ppm	1.8295 ppm	0.0149 ppm	0.5712 ppm	1.0247 ppm	-0.0032 ppm	0.1511 ppm
Concentration per Run	-0.0006 ppm	1.8322 ppm	0.0146 ppm	0.5717 ppm	1.0171 ppm	-0.0029 ppm	0.1507 ppm
Concentration per Run	-0.0017 ppm	1.8526 ppm	0.0147 ppm	0.5658 ppm	1.0258 ppm	-0.0025 ppm	0.1513 ppm
Concentration RSD	236.6 %	0.7 %	1.3 %	0.6 %	0.5 %	12.0 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3959 ppm	92.6794 %	99.7667 %	78.7033 %	118.8541 %	128.4165 %	115.9763 %
Concentration per Run	0.3943 ppm	92.9575 %	99.2619 %	78.8758 %	119.0061 %	128.5760 %	116.3079 %
Concentration per Run	0.3944 ppm	92.6985 %	99.6481 %	78.6906 %	118.5837 %	128.0606 %	115.5990 %
Concentration per Run	0.3989 ppm	92.3823 %	100.3900 %	78.5435 %	118.9725 %	128.6130 %	116.0219 %
Concentration RSD	0.7 %	0.3 %	0.6 %	0.2 %	0.2 %	0.2 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2552122-18d2 WG2114901
 Analysis started at: 9/18/2025 7:04:59 PM
 Rack: 2
 Vial: 30
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0029 ppm	60.5902 ppm	7.9309 ppm	0.0472 ppm	1.0282 ppm	0.0041 ppm	146.7401 ppm
Concentration per Run	0.0028 ppm	60.6768 ppm	7.9002 ppm	0.0481 ppm	1.0271 ppm	0.0041 ppm	146.8688 ppm
Concentration per Run	0.0029 ppm	60.5928 ppm	7.9552 ppm	0.0475 ppm	1.0285 ppm	0.0041 ppm	146.4938 ppm
Concentration per Run	0.0030 ppm	60.5009 ppm	7.9375 ppm	0.0459 ppm	1.0290 ppm	0.0041 ppm	146.8577 ppm
Concentration RSD	2.1 %	0.1 %	0.4 %	2.4 %	0.1 %	0.6 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0088 ppm	0.0545 ppm	0.1098 ppm	0.8399 ppm	172.6835 ppm	7.5222 ppm	0.1225 ppm
Concentration per Run	0.0088 ppm	0.0547 ppm	0.1098 ppm	0.8422 ppm	172.1566 ppm	7.5048 ppm	0.1237 ppm
Concentration per Run	0.0088 ppm	0.0547 ppm	0.1093 ppm	0.8391 ppm	173.0032 ppm	7.5093 ppm	0.1210 ppm
Concentration per Run	0.0088 ppm	0.0540 ppm	0.1105 ppm	0.8386 ppm	172.8907 ppm	7.5526 ppm	0.1226 ppm
Concentration RSD	0.2 %	0.7 %	0.5 %	0.2 %	0.3 %	0.4 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	45.0287 ppm	4.7752 ppm	0.0058 ppm	0.8450 ppm	0.1257 ppm	1.4469 ppm	0.0163 ppm
Concentration per Run	45.0094 ppm	4.7755 ppm	0.0058 ppm	0.8452 ppm	0.1251 ppm	1.4477 ppm	0.0155 ppm
Concentration per Run	45.2569 ppm	4.7749 ppm	0.0054 ppm	0.8468 ppm	0.1258 ppm	1.4411 ppm	0.0147 ppm
Concentration per Run	44.8198 ppm	4.7752 ppm	0.0061 ppm	0.8431 ppm	0.1261 ppm	1.4519 ppm	0.0188 ppm
Concentration RSD	0.5 %	0.0 %	6.4 %	0.2 %	0.4 %	0.4 %	13.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0098 ppm	3.7900 ppm	0.4709 ppm	0.2070 ppm	0.4279 ppm	-0.0018 ppm	0.1207 ppm
Concentration per Run	0.0102 ppm	3.8049 ppm	0.4720 ppm	0.2073 ppm	0.4284 ppm	-0.0017 ppm	0.1205 ppm
Concentration per Run	0.0101 ppm	3.7819 ppm	0.4671 ppm	0.2063 ppm	0.4272 ppm	-0.0021 ppm	0.1210 ppm
Concentration per Run	0.0092 ppm	3.7832 ppm	0.4735 ppm	0.2075 ppm	0.4280 ppm	-0.0017 ppm	0.1207 ppm
Concentration RSD	5.6 %	0.3 %	0.7 %	0.3 %	0.1 %	11.5 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	2.3865 ppm	101.7817 %	105.6598 %	89.2723 %	126.1360 %	131.5153 %	123.1826 %
Concentration per Run	2.3848 ppm	101.8486 %	105.9823 %	89.3418 %	126.5422 %	132.5606 %	122.9285 %
Concentration per Run	2.3895 ppm	101.7207 %	105.8074 %	89.3980 %	125.9758 %	131.1615 %	123.2619 %
Concentration per Run	2.3853 ppm	101.7756 %	105.1897 %	89.0773 %	125.8902 %	130.8239 %	123.3575 %
Concentration RSD	0.1 %	0.1 %	0.4 %	0.2 %	0.3 %	0.7 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556719-21d2 WG2114901
 Analysis started at: 9/18/2025 7:08:26 PM
 Rack: 2
 Vial: 31
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0016 ppm	68.0506 ppm	0.0657 ppm	0.0345 ppm	0.6143 ppm	0.0037 ppm	211.9578 ppm
Concentration per Run	0.0015 ppm	68.3399 ppm	0.0643 ppm	0.0352 ppm	0.6165 ppm	0.0037 ppm	211.9353 ppm
Concentration per Run	0.0017 ppm	68.1498 ppm	0.0656 ppm	0.0339 ppm	0.6168 ppm	0.0037 ppm	211.3961 ppm
Concentration per Run	0.0016 ppm	67.6621 ppm	0.0672 ppm	0.0344 ppm	0.6096 ppm	0.0037 ppm	212.5420 ppm
Concentration RSD	5.7 %	0.5 %	2.2 %	1.8 %	0.7 %	0.4 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0475 ppm	0.0983 ppm	0.2737 ppm	122.6783 ppm	7.4200 ppm	0.1077 ppm
Concentration per Run	0.0000 ppm	0.0475 ppm	0.0979 ppm	0.2739 ppm	122.3136 ppm	7.4316 ppm	0.1079 ppm
Concentration per Run	0.0000 ppm	0.0469 ppm	0.0988 ppm	0.2744 ppm	122.7781 ppm	7.4538 ppm	0.1074 ppm
Concentration per Run	0.0000 ppm	0.0481 ppm	0.0983 ppm	0.2728 ppm	122.9433 ppm	7.3746 ppm	0.1077 ppm
Concentration RSD	633.4 %	1.2 %	0.4 %	0.3 %	0.3 %	0.6 %	0.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	88.2285 ppm	4.3224 ppm	0.0053 ppm	0.9312 ppm	0.1074 ppm	0.3990 ppm	0.0015 ppm
Concentration per Run	88.1596 ppm	4.3199 ppm	0.0052 ppm	0.9321 ppm	0.1082 ppm	0.4005 ppm	0.0009 ppm
Concentration per Run	88.0718 ppm	4.3246 ppm	0.0051 ppm	0.9337 ppm	0.1063 ppm	0.3964 ppm	0.0009 ppm
Concentration per Run	88.4540 ppm	4.3227 ppm	0.0056 ppm	0.9277 ppm	0.1078 ppm	0.3999 ppm	0.0027 ppm
Concentration RSD	0.2 %	0.1 %	4.4 %	0.3 %	0.9 %	0.6 %	70.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0040 ppm	1.9747 ppm	0.0142 ppm	0.2257 ppm	0.6766 ppm	-0.0021 ppm	0.1432 ppm
Concentration per Run	0.0037 ppm	1.9760 ppm	0.0134 ppm	0.2251 ppm	0.6764 ppm	-0.0016 ppm	0.1428 ppm
Concentration per Run	0.0067 ppm	1.9770 ppm	0.0149 ppm	0.2258 ppm	0.6754 ppm	-0.0033 ppm	0.1434 ppm
Concentration per Run	0.0017 ppm	1.9711 ppm	0.0143 ppm	0.2262 ppm	0.6779 ppm	-0.0013 ppm	0.1434 ppm
Concentration RSD	61.8 %	0.2 %	5.3 %	0.2 %	0.2 %	51.6 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2874 ppm	99.4543 %	105.5811 %	86.6581 %	120.6739 %	129.3569 %	118.0005 %
Concentration per Run	1.2850 ppm	99.3675 %	105.4909 %	86.7526 %	120.5215 %	128.9862 %	118.1706 %
Concentration per Run	1.2802 ppm	99.5422 %	105.9605 %	86.7102 %	120.8848 %	129.6075 %	117.7399 %
Concentration per Run	1.2969 ppm	99.4532 %	105.2920 %	86.5117 %	120.6155 %	129.4770 %	118.0909 %
Concentration RSD	0.7 %	0.1 %	0.3 %	0.1 %	0.2 %	0.3 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556719-22d2 WG2114901
 Analysis started at: 9/18/2025 7:11:52 PM
 Rack: 2
 Vial: 32
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0010 ppm	77.0374 ppm	0.0707 ppm	0.0394 ppm	0.6023 ppm	0.0039 ppm	634.7503 ppm
Concentration per Run	0.0012 ppm	77.0755 ppm	0.0693 ppm	0.0383 ppm	0.6015 ppm	0.0039 ppm	633.2396 ppm
Concentration per Run	0.0009 ppm	76.9880 ppm	0.0726 ppm	0.0398 ppm	0.6032 ppm	0.0040 ppm	638.3606 ppm
Concentration per Run	0.0009 ppm	77.0486 ppm	0.0702 ppm	0.0400 ppm	0.6023 ppm	0.0039 ppm	632.6507 ppm
Concentration RSD	19.5 %	0.1 %	2.4 %	2.4 %	0.1 %	0.8 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0056 ppm	0.0550 ppm	0.1024 ppm	0.2613 ppm	138.8929 ppm	6.6691 ppm	0.1201 ppm
Concentration per Run	-0.0054 ppm	0.0552 ppm	0.1026 ppm	0.2631 ppm	138.7072 ppm	6.6885 ppm	0.1196 ppm
Concentration per Run	-0.0057 ppm	0.0552 ppm	0.1026 ppm	0.2619 ppm	139.1825 ppm	6.6729 ppm	0.1201 ppm
Concentration per Run	-0.0056 ppm	0.0548 ppm	0.1020 ppm	0.2589 ppm	138.7888 ppm	6.6459 ppm	0.1205 ppm
Concentration RSD	3.3 %	0.4 %	0.3 %	0.8 %	0.2 %	0.3 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	233.0313 ppm	6.3056 ppm	0.0041 ppm	1.3813 ppm	0.1237 ppm	0.3503 ppm	0.0006 ppm
Concentration per Run	233.7124 ppm	6.3079 ppm	0.0044 ppm	1.3763 ppm	0.1237 ppm	0.3492 ppm	-0.0007 ppm
Concentration per Run	232.8512 ppm	6.3115 ppm	0.0039 ppm	1.3879 ppm	0.1240 ppm	0.3510 ppm	0.0006 ppm
Concentration per Run	232.5303 ppm	6.2976 ppm	0.0041 ppm	1.3797 ppm	0.1236 ppm	0.3506 ppm	0.0018 ppm
Concentration RSD	0.3 %	0.1 %	6.4 %	0.4 %	0.1 %	0.3 %	217.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0023 ppm	6.1061 ppm	0.0144 ppm	1.3496 ppm	0.7762 ppm	-0.0030 ppm	0.1593 ppm
Concentration per Run	0.0045 ppm	6.1863 ppm	0.0146 ppm	1.3474 ppm	0.7781 ppm	-0.0040 ppm	0.1593 ppm
Concentration per Run	0.0033 ppm	6.1399 ppm	0.0142 ppm	1.3539 ppm	0.7754 ppm	-0.0030 ppm	0.1599 ppm
Concentration per Run	-0.0009 ppm	5.9920 ppm	0.0144 ppm	1.3476 ppm	0.7751 ppm	-0.0019 ppm	0.1588 ppm
Concentration RSD	125.6 %	1.7 %	1.2 %	0.3 %	0.2 %	36.3 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9455 ppm	94.1156 %	102.0696 %	79.4989 %	121.0019 %	130.9974 %	117.4946 %
Concentration per Run	0.9475 ppm	93.8713 %	102.0075 %	79.5301 %	120.5788 %	130.0713 %	117.1642 %
Concentration per Run	0.9437 ppm	94.0803 %	101.7083 %	78.8472 %	121.2277 %	131.9630 %	116.7474 %
Concentration per Run	0.9452 ppm	94.3953 %	102.4929 %	80.1194 %	121.1993 %	130.9578 %	118.5723 %
Concentration RSD	0.2 %	0.3 %	0.4 %	0.8 %	0.3 %	0.7 %	0.8 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556719-23d2 WG2114901
 Analysis started at: 9/18/2025 7:15:19 PM
 Rack: 2
 Vial: 33
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	75.1276 ppm	0.0933 ppm	0.0450 ppm	0.6761 ppm	0.0040 ppm	704.2681 [SIC 1000]
Concentration per Run	0.0012 ppm	75.2125 ppm	0.0948 ppm	0.0453 ppm	0.6729 ppm	0.0041 ppm	708.4764 ppm
Concentration per Run	0.0011 ppm	74.8009 ppm	0.0912 ppm	0.0449 ppm	0.6755 ppm	0.0040 ppm	703.7825 ppm
Concentration per Run	0.0011 ppm	75.3693 ppm	0.0937 ppm	0.0448 ppm	0.6799 ppm	0.0041 ppm	700.5455 ppm
Concentration RSD	5.7 %	0.4 %	2.0 %	0.7 %	0.5 %	0.7 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0058 ppm	0.0532 ppm	0.1049 ppm	0.3285 ppm	132.5079 ppm	9.5106 ppm	0.1245 ppm
Concentration per Run	-0.0058 ppm	0.0539 ppm	0.1063 ppm	0.3294 ppm	133.1331 ppm	9.5261 ppm	0.1253 ppm
Concentration per Run	-0.0057 ppm	0.0528 ppm	0.1042 ppm	0.3288 ppm	132.4323 ppm	9.4795 ppm	0.1227 ppm
Concentration per Run	-0.0057 ppm	0.0527 ppm	0.1044 ppm	0.3274 ppm	131.9582 ppm	9.5262 ppm	0.1255 ppm
Concentration RSD	1.3 %	1.2 %	1.1 %	0.3 %	0.4 %	0.3 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	356.9549 ppm	5.9542 ppm	0.0064 ppm	1.6928 ppm	0.1119 ppm	0.5158 ppm	-0.0001 ppm
Concentration per Run	361.0901 ppm	5.9756 ppm	0.0067 ppm	1.6995 ppm	0.1126 ppm	0.5178 ppm	0.0022 ppm
Concentration per Run	355.5732 ppm	5.9436 ppm	0.0062 ppm	1.6900 ppm	0.1119 ppm	0.5154 ppm	0.0041 ppm
Concentration per Run	354.2014 ppm	5.9434 ppm	0.0062 ppm	1.6889 ppm	0.1110 ppm	0.5142 ppm	-0.0065 ppm
Concentration RSD	1.0 %	0.3 %	4.0 %	0.3 %	0.7 %	0.4 %	6,755.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0031 ppm	3.9706 ppm	0.0189 ppm	0.4702 ppm	0.7341 ppm	-0.0041 ppm	0.1598 ppm
Concentration per Run	0.0020 ppm	4.0124 ppm	0.0198 ppm	0.4701 ppm	0.7396 ppm	-0.0035 ppm	0.1613 ppm
Concentration per Run	0.0036 ppm	3.9629 ppm	0.0187 ppm	0.4704 ppm	0.7294 ppm	-0.0059 ppm	0.1591 ppm
Concentration per Run	0.0039 ppm	3.9364 ppm	0.0183 ppm	0.4700 ppm	0.7333 ppm	-0.0029 ppm	0.1590 ppm
Concentration RSD	33.0 %	1.0 %	4.1 %	0.0 %	0.7 %	38.6 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.3970 ppm	91.6440 %	100.0161 %	76.8306 %	115.0158 %	126.1877 %	111.2412 %
Concentration per Run	1.4238 ppm	91.2967 %	99.8304 %	76.8321 %	114.9453 %	126.5026 %	111.2063 %
Concentration per Run	1.3802 ppm	91.9755 %	99.9396 %	76.4790 %	115.4924 %	126.2844 %	111.0988 %
Concentration per Run	1.3871 ppm	91.6596 %	100.2784 %	77.1807 %	114.6098 %	125.7762 %	111.4184 %
Concentration RSD	1.7 %	0.4 %	0.2 %	0.5 %	0.4 %	0.3 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556719-24d2 WG2114901
 Analysis started at: 9/18/2025 7:18:46 PM
 Rack: 2
 Vial: 34
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0013 ppm	61.3333 ppm	0.0744 ppm	0.0287 ppm	0.5118 ppm	0.0034 ppm	397.8410 ppm
Concentration per Run	0.0014 ppm	61.7103 ppm	0.0758 ppm	0.0287 ppm	0.5180 ppm	0.0034 ppm	399.4161 ppm
Concentration per Run	0.0010 ppm	61.3214 ppm	0.0724 ppm	0.0290 ppm	0.5062 ppm	0.0034 ppm	399.1847 ppm
Concentration per Run	0.0014 ppm	60.9683 ppm	0.0751 ppm	0.0284 ppm	0.5111 ppm	0.0033 ppm	394.9221 ppm
Concentration RSD	16.1 %	0.6 %	2.4 %	1.0 %	1.2 %	0.7 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0021 ppm	0.0435 ppm	0.0904 ppm	0.2526 ppm	118.3202 ppm	6.2579 ppm	0.0953 ppm
Concentration per Run	-0.0022 ppm	0.0438 ppm	0.0907 ppm	0.2530 ppm	119.3294 ppm	6.3222 ppm	0.0952 ppm
Concentration per Run	-0.0021 ppm	0.0434 ppm	0.0911 ppm	0.2524 ppm	118.1413 ppm	6.2355 ppm	0.0971 ppm
Concentration per Run	-0.0021 ppm	0.0434 ppm	0.0895 ppm	0.2525 ppm	117.4900 ppm	6.2161 ppm	0.0935 ppm
Concentration RSD	1.5 %	0.5 %	0.9 %	0.1 %	0.8 %	0.9 %	1.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	171.4063 ppm	5.0359 ppm	0.0046 ppm	0.9894 ppm	0.1051 ppm	0.4452 ppm	0.0018 ppm
Concentration per Run	171.5590 ppm	5.0631 ppm	0.0046 ppm	0.9943 ppm	0.1052 ppm	0.4449 ppm	0.0018 ppm
Concentration per Run	171.6976 ppm	5.0423 ppm	0.0041 ppm	0.9911 ppm	0.1055 ppm	0.4452 ppm	0.0003 ppm
Concentration per Run	170.9621 ppm	5.0024 ppm	0.0052 ppm	0.9828 ppm	0.1046 ppm	0.4454 ppm	0.0034 ppm
Concentration RSD	0.2 %	0.6 %	12.2 %	0.6 %	0.5 %	0.1 %	82.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0022 ppm	2.1080 ppm	0.0144 ppm	0.3177 ppm	0.5880 ppm	-0.0022 ppm	0.1323 ppm
Concentration per Run	0.0026 ppm	2.1085 ppm	0.0141 ppm	0.3216 ppm	0.5898 ppm	-0.0020 ppm	0.1323 ppm
Concentration per Run	0.0020 ppm	2.1176 ppm	0.0141 ppm	0.3128 ppm	0.5857 ppm	-0.0023 ppm	0.1326 ppm
Concentration per Run	0.0019 ppm	2.0980 ppm	0.0150 ppm	0.3188 ppm	0.5885 ppm	-0.0023 ppm	0.1321 ppm
Concentration RSD	15.7 %	0.5 %	3.9 %	1.4 %	0.4 %	7.0 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0728 ppm	94.3324 %	99.2244 %	83.6582 %	114.7320 %	121.2261 %	113.6663 %
Concentration per Run	1.0767 ppm	94.7897 %	98.9738 %	83.9946 %	115.3449 %	121.1335 %	113.7456 %
Concentration per Run	1.0787 ppm	94.1830 %	98.9755 %	83.6427 %	114.7092 %	121.3499 %	113.4307 %
Concentration per Run	1.0630 ppm	94.0245 %	99.7240 %	83.3373 %	114.1419 %	121.1950 %	113.8227 %
Concentration RSD	0.8 %	0.4 %	0.4 %	0.4 %	0.5 %	0.1 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556719-25d2 WG2114901
 Analysis started at: 9/18/2025 7:22:13 PM
 Rack: 2
 Vial: 35
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	51.6763 ppm	0.0654 ppm	0.0259 ppm	0.4501 ppm	0.0030 ppm	482.8646 ppm
Concentration per Run	0.0008 ppm	51.6240 ppm	0.0652 ppm	0.0258 ppm	0.4484 ppm	0.0030 ppm	484.2524 ppm
Concentration per Run	0.0012 ppm	52.0155 ppm	0.0639 ppm	0.0259 ppm	0.4533 ppm	0.0030 ppm	483.5730 ppm
Concentration per Run	0.0012 ppm	51.3892 ppm	0.0672 ppm	0.0261 ppm	0.4486 ppm	0.0030 ppm	480.7686 ppm
Concentration RSD	18.8 %	0.6 %	2.5 %	0.5 %	0.6 %	1.1 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0020 ppm	0.0388 ppm	0.0788 ppm	0.2003 ppm	109.6551 ppm	4.8697 ppm	0.0778 ppm
Concentration per Run	0.0021 ppm	0.0390 ppm	0.0791 ppm	0.1996 ppm	109.7375 ppm	4.8745 ppm	0.0803 ppm
Concentration per Run	0.0020 ppm	0.0390 ppm	0.0788 ppm	0.2018 ppm	109.9837 ppm	4.8964 ppm	0.0758 ppm
Concentration per Run	0.0019 ppm	0.0383 ppm	0.0784 ppm	0.1995 ppm	109.2441 ppm	4.8382 ppm	0.0774 ppm
Concentration RSD	7.4 %	1.0 %	0.5 %	0.7 %	0.3 %	0.6 %	3.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	208.1499 ppm	3.9409 ppm	0.0036 ppm	1.0244 ppm	0.0840 ppm	0.4362 ppm	0.0025 ppm
Concentration per Run	209.8773 ppm	3.9513 ppm	0.0033 ppm	1.0260 ppm	0.0842 ppm	0.4359 ppm	0.0017 ppm
Concentration per Run	207.7659 ppm	3.9558 ppm	0.0038 ppm	1.0242 ppm	0.0834 ppm	0.4348 ppm	0.0042 ppm
Concentration per Run	206.8064 ppm	3.9155 ppm	0.0038 ppm	1.0229 ppm	0.0845 ppm	0.4378 ppm	0.0016 ppm
Concentration RSD	0.8 %	0.6 %	8.2 %	0.2 %	0.7 %	0.3 %	58.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	1.9982 ppm	0.0178 ppm	0.3312 ppm	0.5550 ppm	-0.0014 ppm	0.1185 ppm
Concentration per Run	0.0034 ppm	2.0001 ppm	0.0180 ppm	0.3288 ppm	0.5584 ppm	-0.0012 ppm	0.1192 ppm
Concentration per Run	0.0015 ppm	2.0024 ppm	0.0188 ppm	0.3306 ppm	0.5542 ppm	-0.0009 ppm	0.1185 ppm
Concentration per Run	0.0013 ppm	1.9920 ppm	0.0166 ppm	0.3343 ppm	0.5526 ppm	-0.0020 ppm	0.1178 ppm
Concentration RSD	55.7 %	0.3 %	6.2 %	0.8 %	0.5 %	44.4 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	2.2254 ppm	91.3203 %	91.9295 %	84.3197 %	106.9270 %	108.1748 %	108.4481 %
Concentration per Run	2.2448 ppm	91.2704 %	91.4724 %	84.6811 %	106.7733 %	107.9334 %	108.4137 %
Concentration per Run	2.2248 ppm	91.2066 %	91.6104 %	84.0928 %	107.1640 %	107.3849 %	108.3944 %
Concentration per Run	2.2066 ppm	91.4838 %	92.7058 %	84.1852 %	106.8437 %	109.2061 %	108.5361 %
Concentration RSD	0.9 %	0.2 %	0.7 %	0.4 %	0.2 %	0.9 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556719-27d2 WG2114901
 Analysis started at: 9/18/2025 7:25:40 PM
 Rack: 2
 Vial: 36
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0015 ppm	77.3183 ppm	0.0657 ppm	0.0259 ppm	0.6794 ppm	0.0044 ppm	101.5743 ppm
Concentration per Run	0.0012 ppm	77.5646 ppm	0.0656 ppm	0.0248 ppm	0.6798 ppm	0.0044 ppm	101.7829 ppm
Concentration per Run	0.0015 ppm	77.3180 ppm	0.0656 ppm	0.0269 ppm	0.6836 ppm	0.0044 ppm	101.3963 ppm
Concentration per Run	0.0017 ppm	77.0724 ppm	0.0660 ppm	0.0261 ppm	0.6748 ppm	0.0044 ppm	101.5436 ppm
Concentration RSD	16.8 %	0.3 %	0.4 %	3.9 %	0.6 %	0.9 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0031 ppm	0.0557 ppm	0.1163 ppm	0.2539 ppm	140.9374 ppm	9.0138 ppm	0.1115 ppm
Concentration per Run	0.0032 ppm	0.0563 ppm	0.1170 ppm	0.2552 ppm	141.2448 ppm	9.0378 ppm	0.1131 ppm
Concentration per Run	0.0030 ppm	0.0554 ppm	0.1156 ppm	0.2526 ppm	141.2528 ppm	9.0721 ppm	0.1108 ppm
Concentration per Run	0.0032 ppm	0.0554 ppm	0.1163 ppm	0.2540 ppm	140.3145 ppm	8.9314 ppm	0.1107 ppm
Concentration RSD	3.3 %	0.9 %	0.6 %	0.5 %	0.4 %	0.8 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	59.9386 ppm	4.5531 ppm	0.0051 ppm	0.8032 ppm	0.1243 ppm	0.6987 ppm	0.0023 ppm
Concentration per Run	60.1886 ppm	4.5648 ppm	0.0051 ppm	0.8084 ppm	0.1240 ppm	0.6982 ppm	0.0001 ppm
Concentration per Run	59.8339 ppm	4.5535 ppm	0.0054 ppm	0.7996 ppm	0.1247 ppm	0.7003 ppm	0.0060 ppm
Concentration per Run	59.7932 ppm	4.5410 ppm	0.0048 ppm	0.8016 ppm	0.1243 ppm	0.6976 ppm	0.0010 ppm
Concentration RSD	0.4 %	0.3 %	6.4 %	0.6 %	0.3 %	0.2 %	134.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0040 ppm	1.6330 ppm	0.0269 ppm	0.1184 ppm	0.6439 ppm	0.0000 ppm	0.1624 ppm
Concentration per Run	0.0046 ppm	1.6408 ppm	0.0268 ppm	0.1188 ppm	0.6485 ppm	0.0005 ppm	0.1631 ppm
Concentration per Run	0.0049 ppm	1.6308 ppm	0.0270 ppm	0.1185 ppm	0.6412 ppm	0.0000 ppm	0.1620 ppm
Concentration per Run	0.0026 ppm	1.6275 ppm	0.0268 ppm	0.1180 ppm	0.6421 ppm	-0.0004 ppm	0.1623 ppm
Concentration RSD	31.0 %	0.4 %	0.3 %	0.3 %	0.6 %	1,226.3 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4695 ppm	97.3208 %	92.0984 %	94.3278 %	121.6137 %	115.5712 %	125.7256 %
Concentration per Run	1.4745 ppm	97.2878 %	91.8911 %	94.0673 %	121.8381 %	115.5285 %	125.5038 %
Concentration per Run	1.4596 ppm	97.6957 %	92.0113 %	94.3431 %	121.8002 %	114.6960 %	125.6603 %
Concentration per Run	1.4745 ppm	96.9787 %	92.3927 %	94.5729 %	121.2028 %	116.4891 %	126.0127 %
Concentration RSD	0.6 %	0.4 %	0.3 %	0.3 %	0.3 %	0.8 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
Analysis started at: 9/18/2025 7:29:08 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4998 ppm	0.4872 ppm	0.4552 ppm	0.5044 ppm	0.4881 ppm	0.5253 ppm	0.5720 ppm
Concentration per Run	0.4988 ppm	0.4887 ppm	0.4571 ppm	0.5048 ppm	0.4893 ppm	0.5261 ppm	0.5727 ppm
Concentration per Run	0.5011 ppm	0.4840 ppm	0.4525 ppm	0.5041 ppm	0.4873 ppm	0.5243 ppm	0.5727 ppm
Concentration per Run	0.4995 ppm	0.4888 ppm	0.4559 ppm	0.5044 ppm	0.4878 ppm	0.5255 ppm	0.5707 ppm
Recovery Percentage	99.962 %	97.436 %	91.035 %	100.889 %	97.628 %	105.060 %	114.405 %
Concentration RSD	0.2 %	0.6 %	0.5 %	0.1 %	0.2 %	0.2 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5574 ppm	0.5403 ppm	0.5304 ppm	0.5065 ppm	0.5573 ppm	5.2077 ppm	0.5163 ppm
Concentration per Run	0.5597 ppm	0.5430 ppm	0.5322 ppm	0.5060 ppm	0.5588 ppm	5.2210 ppm	0.5183 ppm
Concentration per Run	0.5581 ppm	0.5398 ppm	0.5322 ppm	0.5068 ppm	0.5566 ppm	5.2152 ppm	0.5173 ppm
Concentration per Run	0.5543 ppm	0.5382 ppm	0.5269 ppm	0.5068 ppm	0.5567 ppm	5.1870 ppm	0.5134 ppm
Recovery Percentage	111.476 %	108.066 %	106.088 %	101.306 %	111.468 %	104.154 %	103.269 %
Concentration RSD	0.5 %	0.4 %	0.6 %	0.1 %	0.2 %	0.3 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5709 ppm	0.5417 ppm	0.5136 ppm	10.4902 ppm	0.5525 ppm	0.4912 ppm	0.5287 ppm
Concentration per Run	0.5752 ppm	0.5406 ppm	0.5156 ppm	10.4360 ppm	0.5552 ppm	0.4911 ppm	0.5270 ppm
Concentration per Run	0.5714 ppm	0.5431 ppm	0.5138 ppm	10.5485 ppm	0.5536 ppm	0.4896 ppm	0.5333 ppm
Concentration per Run	0.5660 ppm	0.5412 ppm	0.5114 ppm	10.4860 ppm	0.5487 ppm	0.4929 ppm	0.5259 ppm
Recovery Percentage	114.170 %	108.330 %	102.728 %	104.902 %	110.501 %	98.233 %	105.741 %
Concentration RSD	0.8 %	0.2 %	0.4 %	0.5 %	0.6 %	0.3 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4600 ppm	5.5846 ppm	0.5531 ppm	0.5026 ppm	0.5127 ppm	0.4983 ppm	0.5209 ppm
Concentration per Run	0.4599 ppm	5.5730 ppm	0.5584 ppm	0.5038 ppm	0.5125 ppm	0.4995 ppm	0.5203 ppm
Concentration per Run	0.4575 ppm	5.6046 ppm	0.5561 ppm	0.5032 ppm	0.5136 ppm	0.4972 ppm	0.5211 ppm
Concentration per Run	0.4625 ppm	5.5762 ppm	0.5449 ppm	0.5009 ppm	0.5120 ppm	0.4981 ppm	0.5213 ppm
Recovery Percentage	91.990 %	106.373 %	110.628 %	100.529 %	102.541 %	99.653 %	104.176 %
Concentration RSD	0.5 %	0.3 %	1.3 %	0.3 %	0.2 %	0.2 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5607 ppm	99.3782 %	88.2879 %	104.6849 %	98.9709 %	87.8715 %	102.6960 %
Concentration per Run	0.5654 ppm	99.3329 %	88.8828 %	104.6481 %	98.8648 %	88.5389 %	102.7465 %
Concentration per Run	0.5622 ppm	99.4388 %	87.8419 %	105.0511 %	99.1338 %	87.6526 %	102.8728 %
Concentration per Run	0.5545 ppm	99.3628 %	88.1390 %	104.3555 %	98.9140 %	87.4229 %	102.4687 %
Recovery Percentage	112.137 %						
Concentration RSD	1.0 %	0.1 %	0.6 %	0.3 %	0.1 %	0.7 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 7:32:35 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0004 ppm	-0.0132 ppm	0.0015 ppm	0.0017 ppm	0.0001 ppm	0.0001 ppm	0.0126 ppm
Concentration per Run	-0.0004 ppm	-0.0079 ppm	0.0016 ppm	0.0015 ppm	0.0001 ppm	0.0001 ppm	0.0127 ppm
Concentration per Run	-0.0003 ppm	-0.0153 ppm	0.0016 ppm	0.0017 ppm	0.0001 ppm	0.0001 ppm	0.0127 ppm
Concentration per Run	-0.0005 ppm	-0.0162 ppm	0.0013 ppm	0.0019 ppm	0.0001 ppm	0.0001 ppm	0.0124 ppm
Recovery Percentage	-7.734 %	-13.174 %	29.802 %	5.565 %	1.094 %	1.538 %	12.624 %
Concentration RSD	25.6 %	34.7 %	13.9 %	12.4 %	42.8 %	28.8 %	1.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0070 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	-0.0001 ppm	-0.0002 ppm	0.0077 ppm	0.0123 ppm	0.0006 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0073 ppm	-0.0074 ppm	-0.0007 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0060 ppm	-0.0038 ppm	-0.0002 ppm
Recovery Percentage	4.103 %	1.047 %	0.315 %	-2.049 %	13.974 %	0.014 %	-1.098 %
Concentration RSD	25.4 %	208.5 %	716.5 %	30.8 %	13.0 %	2,992.0 %	580.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0045 ppm	0.0001 ppm	0.0038 ppm	0.0185 ppm	-0.0001 ppm	-0.0007 ppm	0.0005 ppm
Concentration per Run	0.0039 ppm	0.0001 ppm	0.0041 ppm	0.0210 ppm	0.0001 ppm	-0.0007 ppm	-0.0026 ppm
Concentration per Run	0.0046 ppm	0.0002 ppm	0.0035 ppm	0.0181 ppm	0.0002 ppm	-0.0002 ppm	0.0028 ppm
Concentration per Run	0.0049 ppm	0.0001 ppm	0.0039 ppm	0.0164 ppm	-0.0004 ppm	-0.0013 ppm	0.0014 ppm
Recovery Percentage	4.481 %	1.168 %	7.634 %	0.926 %	-0.234 %	-7.220 %	1.089 %
Concentration RSD	11.7 %	39.2 %	8.1 %	12.7 %	540.6 %	78.6 %	511.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0036 ppm	0.0049 ppm	0.0016 ppm	0.0001 ppm	0.0008 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run	0.0048 ppm	0.0033 ppm	0.0012 ppm	0.0001 ppm	0.0007 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0039 ppm	0.0042 ppm	0.0022 ppm	0.0001 ppm	0.0009 ppm	-0.0008 ppm	-0.0002 ppm
Concentration per Run	0.0020 ppm	0.0071 ppm	0.0013 ppm	0.0000 ppm	0.0008 ppm	0.0003 ppm	-0.0001 ppm
Recovery Percentage	35.754 %	0.973 %	3.158 %	0.562 %	7.933 %	1.004 %	-1.199 %
Concentration RSD	39.6 %	41.1 %	33.5 %	26.3 %	15.0 %	486.7 %	37.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	98.7005 %	86.2085 %	104.8637 %	100.6572 %	88.0512 %	102.9206 %
Concentration per Run	0.0002 ppm	98.6099 %	86.4383 %	104.5921 %	100.2626 %	87.8839 %	102.4760 %
Concentration per Run	0.0005 ppm	98.9323 %	86.2577 %	105.0550 %	101.2325 %	87.9726 %	103.1154 %
Concentration per Run	0.0004 ppm	98.5594 %	85.9295 %	104.9440 %	100.4765 %	88.2970 %	103.1704 %
Recovery Percentage	6.951 %						
Concentration RSD	36.7 %	0.2 %	0.3 %	0.2 %	0.5 %	0.2 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
 Analysis started at: 9/18/2025 7:54:06 PM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4980 ppm	0.4774 ppm	0.4906 ppm	0.5112 ppm	0.4948 ppm	0.5186 ppm	0.5130 ppm
Concentration per Run	0.4973 ppm	0.4727 ppm	0.4899 ppm	0.5101 ppm	0.4941 ppm	0.5167 ppm	0.5108 ppm
Concentration per Run	0.4993 ppm	0.4806 ppm	0.4907 ppm	0.5119 ppm	0.4998 ppm	0.5225 ppm	0.5102 ppm
Concentration per Run	0.4973 ppm	0.4789 ppm	0.4910 ppm	0.5115 ppm	0.4904 ppm	0.5167 ppm	0.5179 ppm
Recovery Percentage	99.591 %	95.484 %	98.111 %	102.237 %	98.951 %	103.723 %	102.593 %
Concentration RSD	0.2 %	0.9 %	0.1 %	0.2 %	1.0 %	0.6 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5136 ppm	0.5115 ppm	0.5062 ppm	0.5188 ppm	0.5070 ppm	5.0709 ppm	0.5360 ppm
Concentration per Run	0.5143 ppm	0.5116 ppm	0.5068 ppm	0.5172 ppm	0.5061 ppm	5.0641 ppm	0.5340 ppm
Concentration per Run	0.5168 ppm	0.5129 ppm	0.5067 ppm	0.5209 ppm	0.5090 ppm	5.1194 ppm	0.5427 ppm
Concentration per Run	0.5099 ppm	0.5099 ppm	0.5050 ppm	0.5182 ppm	0.5059 ppm	5.0291 ppm	0.5312 ppm
Recovery Percentage	102.730 %	102.292 %	101.232 %	103.756 %	101.402 %	101.417 %	107.196 %
Concentration RSD	0.7 %	0.3 %	0.2 %	0.4 %	0.3 %	0.9 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5166 ppm	0.5139 ppm	0.4936 ppm	10.3863 ppm	0.5198 ppm	0.4931 ppm	0.5223 ppm
Concentration per Run	0.5160 ppm	0.5127 ppm	0.4889 ppm	10.3273 ppm	0.5212 ppm	0.4916 ppm	0.5227 ppm
Concentration per Run	0.5183 ppm	0.5137 ppm	0.4971 ppm	10.4429 ppm	0.5209 ppm	0.4948 ppm	0.5276 ppm
Concentration per Run	0.5155 ppm	0.5153 ppm	0.4946 ppm	10.3886 ppm	0.5174 ppm	0.4929 ppm	0.5167 ppm
Recovery Percentage	103.328 %	102.776 %	98.712 %	103.863 %	103.960 %	98.620 %	104.468 %
Concentration RSD	0.3 %	0.3 %	0.9 %	0.6 %	0.4 %	0.3 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.5025 ppm	5.5616 ppm	0.5053 ppm	0.5100 ppm	0.5024 ppm	0.5029 ppm	0.5108 ppm
Concentration per Run	0.5007 ppm	5.5397 ppm	0.5074 ppm	0.5098 ppm	0.5026 ppm	0.5037 ppm	0.5110 ppm
Concentration per Run	0.5021 ppm	5.5834 ppm	0.5086 ppm	0.5116 ppm	0.5050 ppm	0.5018 ppm	0.5117 ppm
Concentration per Run	0.5048 ppm	5.5617 ppm	0.4999 ppm	0.5086 ppm	0.4995 ppm	0.5031 ppm	0.5098 ppm
Recovery Percentage	100.503 %	105.935 %	101.059 %	101.999 %	100.472 %	100.573 %	102.164 %
Concentration RSD	0.4 %	0.4 %	0.9 %	0.3 %	0.6 %	0.2 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5096 ppm	100.8975 %	101.9016 %	97.1333 %	100.1658 %	101.9302 %	98.3787 %
Concentration per Run	0.5115 ppm	101.1740 %	102.1603 %	96.9428 %	100.1264 %	102.1190 %	98.1061 %
Concentration per Run	0.5123 ppm	100.3360 %	101.4892 %	97.0669 %	100.0831 %	101.1182 %	98.4350 %
Concentration per Run	0.5050 ppm	101.1824 %	102.0552 %	97.3903 %	100.2878 %	102.5533 %	98.5950 %
Recovery Percentage	101.927 %						
Concentration RSD	0.8 %	0.5 %	0.4 %	0.2 %	0.1 %	0.7 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 7:57:51 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0087 ppm	0.0011 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0082 ppm
Concentration per Run	0.0001 ppm	-0.0081 ppm	0.0000 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0077 ppm
Concentration per Run	-0.0003 ppm	-0.0078 ppm	0.0012 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0073 ppm
Concentration per Run	0.0000 ppm	-0.0103 ppm	0.0020 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0094 ppm
Recovery Percentage	-1.223 %	-8.738 %	21.424 %	2.610 %	0.827 %	2.379 %	8.155 %
Concentration RSD	361.9 %	15.5 %	92.4 %	43.2 %	32.9 %	15.2 %	13.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0037 ppm	-0.0083 ppm	-0.0005 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0038 ppm	-0.0009 ppm	-0.0003 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0036 ppm	-0.0109 ppm	-0.0011 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0036 ppm	-0.0131 ppm	-0.0002 ppm
Recovery Percentage	2.444 %	1.231 %	1.650 %	-0.955 %	7.351 %	-0.331 %	-5.417 %
Concentration RSD	89.0 %	183.1 %	102.9 %	232.8 %	3.7 %	78.7 %	97.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0028 ppm	0.0003 ppm	0.0041 ppm	0.0094 ppm	0.0000 ppm	0.0002 ppm	0.0016 ppm
Concentration per Run	0.0021 ppm	0.0003 ppm	0.0043 ppm	0.0092 ppm	0.0004 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run	0.0029 ppm	0.0003 ppm	0.0036 ppm	0.0103 ppm	-0.0002 ppm	-0.0004 ppm	0.0021 ppm
Concentration per Run	0.0034 ppm	0.0003 ppm	0.0043 ppm	0.0087 ppm	0.0000 ppm	0.0001 ppm	0.0027 ppm
Recovery Percentage	2.814 %	2.824 %	8.152 %	0.469 %	0.171 %	1.540 %	3.289 %
Concentration RSD	22.4 %	6.2 %	9.7 %	8.7 %	736.0 %	424.4 %	77.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0040 ppm	0.0015 ppm	0.0020 ppm	0.0001 ppm	0.0010 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	0.0041 ppm	0.0014 ppm	0.0013 ppm	0.0001 ppm	0.0010 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run	0.0043 ppm	0.0011 ppm	0.0025 ppm	0.0001 ppm	0.0009 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run	0.0034 ppm	0.0021 ppm	0.0021 ppm	0.0000 ppm	0.0011 ppm	0.0005 ppm	0.0002 ppm
Recovery Percentage	39.501 %	0.308 %	3.938 %	0.753 %	10.200 %	1.614 %	0.873 %
Concentration RSD	12.0 %	34.3 %	32.4 %	40.6 %	6.5 %	278.5 %	97.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	104.6207 %	101.5576 %	100.4076 %	106.0516 %	102.5705 %	102.4849 %
Concentration per Run	0.0005 ppm	104.7093 %	101.6779 %	100.3286 %	106.3533 %	102.2270 %	102.3936 %
Concentration per Run	0.0004 ppm	104.6759 %	101.9941 %	100.3527 %	105.8410 %	102.7808 %	102.4457 %
Concentration per Run	0.0001 ppm	104.4771 %	101.0007 %	100.5414 %	105.9607 %	102.7036 %	102.6154 %
Recovery Percentage	6.762 %						
Concentration RSD	53.0 %	0.1 %	0.5 %	0.1 %	0.3 %	0.3 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556719-28d2 WG2114901
 Analysis started at: 9/18/2025 8:05:11 PM
 Rack: 2
 Vial: 37
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0020 ppm	77.7764 ppm	0.0897 ppm	0.0286 ppm	0.8267 ppm	0.0045 ppm	280.3689 ppm
Concentration per Run	0.0021 ppm	77.8638 ppm	0.0894 ppm	0.0292 ppm	0.8296 ppm	0.0045 ppm	279.5602 ppm
Concentration per Run	0.0020 ppm	77.7497 ppm	0.0900 ppm	0.0292 ppm	0.8253 ppm	0.0045 ppm	280.0699 ppm
Concentration per Run	0.0018 ppm	77.7158 ppm	0.0899 ppm	0.0275 ppm	0.8253 ppm	0.0045 ppm	281.4765 ppm
Concentration RSD	7.8 %	0.1 %	0.4 %	3.4 %	0.3 %	0.8 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0004 ppm	0.0623 ppm	0.1089 ppm	0.2431 ppm	152.6193 ppm	7.1213 ppm	0.1188 ppm
Concentration per Run	0.0006 ppm	0.0622 ppm	0.1088 ppm	0.2435 ppm	152.4657 ppm	7.1529 ppm	0.1198 ppm
Concentration per Run	0.0004 ppm	0.0625 ppm	0.1093 ppm	0.2429 ppm	152.1003 ppm	7.1038 ppm	0.1197 ppm
Concentration per Run	0.0003 ppm	0.0622 ppm	0.1087 ppm	0.2430 ppm	153.2920 ppm	7.1071 ppm	0.1170 ppm
Concentration RSD	34.4 %	0.3 %	0.3 %	0.1 %	0.4 %	0.4 %	1.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	161.5710 ppm	5.8295 ppm	0.0055 ppm	1.0276 ppm	0.1205 ppm	0.6040 ppm	0.0002 ppm
Concentration per Run	160.8347 ppm	5.8214 ppm	0.0057 ppm	1.0321 ppm	0.1198 ppm	0.6026 ppm	0.0016 ppm
Concentration per Run	161.6405 ppm	5.8221 ppm	0.0053 ppm	1.0274 ppm	0.1210 ppm	0.6004 ppm	0.0015 ppm
Concentration per Run	162.2378 ppm	5.8451 ppm	0.0057 ppm	1.0232 ppm	0.1207 ppm	0.6090 ppm	-0.0024 ppm
Concentration RSD	0.4 %	0.2 %	3.7 %	0.4 %	0.6 %	0.7 %	1,097.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0012 ppm	1.6045 ppm	0.0196 ppm	0.2248 ppm	0.6443 ppm	-0.0032 ppm	0.1783 ppm
Concentration per Run	0.0014 ppm	1.6032 ppm	0.0196 ppm	0.2253 ppm	0.6451 ppm	-0.0036 ppm	0.1783 ppm
Concentration per Run	0.0008 ppm	1.6091 ppm	0.0195 ppm	0.2250 ppm	0.6468 ppm	-0.0031 ppm	0.1785 ppm
Concentration per Run	0.0014 ppm	1.6010 ppm	0.0196 ppm	0.2240 ppm	0.6411 ppm	-0.0029 ppm	0.1783 ppm
Concentration RSD	32.0 %	0.3 %	0.4 %	0.3 %	0.5 %	11.4 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0882 ppm	93.9958 %	101.7475 %	82.8301 %	118.7060 %	130.3584 %	117.4262 %
Concentration per Run	1.0857 ppm	94.4716 %	101.9794 %	83.0092 %	119.3490 %	130.5166 %	117.6136 %
Concentration per Run	1.0851 ppm	94.0440 %	101.7139 %	82.8066 %	118.9310 %	130.3309 %	117.2155 %
Concentration per Run	1.0938 ppm	93.4718 %	101.5491 %	82.6744 %	117.8382 %	130.2278 %	117.4495 %
Concentration RSD	0.4 %	0.5 %	0.2 %	0.2 %	0.7 %	0.1 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556719-29d2 WG2114901
 Analysis started at: 9/18/2025 8:08:55 PM
 Rack: 2
 Vial: 38
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0023 ppm	107.3744 ppm	0.0812 ppm	0.0188 ppm	1.0102 ppm	0.0058 ppm	95.1858 ppm
Concentration per Run	0.0024 ppm	107.8444 ppm	0.0809 ppm	0.0183 ppm	1.0152 ppm	0.0059 ppm	95.2697 ppm
Concentration per Run	0.0024 ppm	106.9838 ppm	0.0809 ppm	0.0190 ppm	1.0039 ppm	0.0058 ppm	95.0017 ppm
Concentration per Run	0.0021 ppm	107.2948 ppm	0.0818 ppm	0.0192 ppm	1.0115 ppm	0.0058 ppm	95.2861 ppm
Concentration RSD	8.5 %	0.4 %	0.6 %	2.3 %	0.6 %	0.5 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0040 ppm	0.0818 ppm	0.1482 ppm	0.2511 ppm	185.5969 ppm	7.6690 ppm	0.1517 ppm
Concentration per Run	0.0038 ppm	0.0817 ppm	0.1481 ppm	0.2499 ppm	185.9046 ppm	7.7142 ppm	0.1523 ppm
Concentration per Run	0.0041 ppm	0.0818 ppm	0.1485 ppm	0.2511 ppm	184.8780 ppm	7.6162 ppm	0.1504 ppm
Concentration per Run	0.0040 ppm	0.0818 ppm	0.1479 ppm	0.2522 ppm	186.0080 ppm	7.6767 ppm	0.1525 ppm
Concentration RSD	4.6 %	0.1 %	0.2 %	0.5 %	0.3 %	0.6 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	53.8634 ppm	8.8303 ppm	0.0053 ppm	0.7192 ppm	0.1690 ppm	0.6243 ppm	0.0010 ppm
Concentration per Run	54.2618 ppm	8.8474 ppm	0.0054 ppm	0.7233 ppm	0.1690 ppm	0.6225 ppm	0.0042 ppm
Concentration per Run	53.4941 ppm	8.8071 ppm	0.0052 ppm	0.7134 ppm	0.1686 ppm	0.6238 ppm	-0.0002 ppm
Concentration per Run	53.8343 ppm	8.8364 ppm	0.0054 ppm	0.7209 ppm	0.1692 ppm	0.6265 ppm	-0.0011 ppm
Concentration RSD	0.7 %	0.2 %	2.3 %	0.7 %	0.2 %	0.3 %	292.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0001 ppm	1.6427 ppm	0.0227 ppm	0.1577 ppm	0.8806 ppm	-0.0044 ppm	0.2201 ppm
Concentration per Run	0.0001 ppm	1.6430 ppm	0.0233 ppm	0.1582 ppm	0.8826 ppm	-0.0038 ppm	0.2204 ppm
Concentration per Run	0.0004 ppm	1.6409 ppm	0.0224 ppm	0.1570 ppm	0.8809 ppm	-0.0051 ppm	0.2196 ppm
Concentration per Run	-0.0002 ppm	1.6443 ppm	0.0223 ppm	0.1579 ppm	0.8782 ppm	-0.0043 ppm	0.2202 ppm
Concentration RSD	339.8 %	0.1 %	2.5 %	0.4 %	0.3 %	14.4 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2256 ppm	104.1675 %	107.9942 %	91.0771 %	148.2212 %	154.7221 %	146.1738 %
Concentration per Run	1.2301 ppm	103.8083 %	108.6285 %	91.1556 %	147.4835 %	154.9177 %	146.3815 %
Concentration per Run	1.2229 ppm	104.5134 %	108.4251 %	90.7657 %	148.6846 %	155.6847 %	145.6888 %
Concentration per Run	1.2238 ppm	104.1808 %	106.9290 %	91.3099 %	148.4955 %	153.5638 %	146.4510 %
Concentration RSD	0.3 %	0.3 %	0.9 %	0.3 %	0.4 %	0.7 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556719-30d2 WG2114901
 Analysis started at: 9/18/2025 8:12:21 PM
 Rack: 2
 Vial: 39
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0016 ppm	113.0559 ppm	0.0645 ppm	0.0181 ppm	1.0313 ppm	0.0059 ppm	94.5153 ppm
Concentration per Run	0.0017 ppm	112.6745 ppm	0.0639 ppm	0.0180 ppm	1.0310 ppm	0.0059 ppm	94.5764 ppm
Concentration per Run	0.0019 ppm	113.3003 ppm	0.0650 ppm	0.0183 ppm	1.0305 ppm	0.0058 ppm	94.8936 ppm
Concentration per Run	0.0011 ppm	113.1929 ppm	0.0646 ppm	0.0181 ppm	1.0325 ppm	0.0058 ppm	94.0760 ppm
Concentration RSD	24.2 %	0.3 %	0.9 %	1.0 %	0.1 %	0.5 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0020 ppm	0.0822 ppm	0.1452 ppm	0.2349 ppm	198.9022 ppm	7.9406 ppm	0.1644 ppm
Concentration per Run	0.0020 ppm	0.0824 ppm	0.1459 ppm	0.2356 ppm	199.2086 ppm	7.9497 ppm	0.1653 ppm
Concentration per Run	0.0021 ppm	0.0825 ppm	0.1455 ppm	0.2348 ppm	199.1185 ppm	7.9402 ppm	0.1644 ppm
Concentration per Run	0.0018 ppm	0.0818 ppm	0.1443 ppm	0.2342 ppm	198.3796 ppm	7.9318 ppm	0.1636 ppm
Concentration RSD	6.8 %	0.4 %	0.6 %	0.3 %	0.2 %	0.1 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	57.4500 ppm	7.2336 ppm	0.0044 ppm	0.6569 ppm	0.1736 ppm	0.4450 ppm	0.0024 ppm
Concentration per Run	57.8179 ppm	7.2305 ppm	0.0043 ppm	0.6523 ppm	0.1744 ppm	0.4484 ppm	0.0026 ppm
Concentration per Run	57.1116 ppm	7.2565 ppm	0.0042 ppm	0.6616 ppm	0.1726 ppm	0.4460 ppm	0.0022 ppm
Concentration per Run	57.4204 ppm	7.2137 ppm	0.0047 ppm	0.6569 ppm	0.1737 ppm	0.4407 ppm	0.0025 ppm
Concentration RSD	0.6 %	0.3 %	6.6 %	0.7 %	0.5 %	0.9 %	7.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0015 ppm	1.4839 ppm	0.0150 ppm	0.1726 ppm	1.4157 ppm	-0.0025 ppm	0.2372 ppm
Concentration per Run	-0.0021 ppm	1.4875 ppm	0.0150 ppm	0.1726 ppm	1.4180 ppm	-0.0021 ppm	0.2375 ppm
Concentration per Run	-0.0014 ppm	1.4698 ppm	0.0153 ppm	0.1726 ppm	1.4154 ppm	-0.0021 ppm	0.2370 ppm
Concentration per Run	-0.0010 ppm	1.4942 ppm	0.0147 ppm	0.1726 ppm	1.4137 ppm	-0.0034 ppm	0.2372 ppm
Concentration RSD	35.8 %	0.8 %	2.1 %	0.0 %	0.2 %	29.0 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7375 ppm	104.2275 %	108.4976 %	90.6735 %	148.5617 %	154.5668 %	145.1506 %
Concentration per Run	0.7430 ppm	104.0667 %	108.7793 %	90.2393 %	148.1677 %	155.1805 %	144.9342 %
Concentration per Run	0.7366 ppm	105.1606 %	107.9061 %	90.7143 %	149.2692 %	154.2822 %	145.8877 %
Concentration per Run	0.7328 ppm	103.4553 %	108.8073 %	91.0669 %	148.2484 %	154.2377 %	144.6298 %
Concentration RSD	0.7 %	0.8 %	0.5 %	0.5 %	0.4 %	0.3 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: xL2556719-22d4 WG2114901
 Analysis started at: 9/18/2025 8:15:48 PM
 Rack: 2
 Vial: 40
 Comment: Ca LDR RR

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	40.0119 ppm	0.0326 ppm	0.0222 ppm	0.3073 ppm	0.0021 ppm	335.4269 ppm
Concentration per Run	0.0005 ppm	40.1444 ppm	0.0303 ppm	0.0228 ppm	0.3061 ppm	0.0021 ppm	338.6354 ppm
Concentration per Run	0.0007 ppm	40.2107 ppm	0.0335 ppm	0.0225 ppm	0.3082 ppm	0.0021 ppm	336.8210 ppm
Concentration per Run	0.0005 ppm	39.6806 ppm	0.0338 ppm	0.0212 ppm	0.3076 ppm	0.0021 ppm	330.8243 ppm
Concentration RSD	20.1 %	0.7 %	5.9 %	4.0 %	0.3 %	0.5 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0028 ppm	0.0283 ppm	0.0526 ppm	0.1280 ppm	73.2633 ppm	3.8619 ppm	0.0587 ppm
Concentration per Run	-0.0028 ppm	0.0284 ppm	0.0527 ppm	0.1274 ppm	73.5754 ppm	3.8688 ppm	0.0613 ppm
Concentration per Run	-0.0028 ppm	0.0279 ppm	0.0526 ppm	0.1284 ppm	73.7473 ppm	3.8959 ppm	0.0581 ppm
Concentration per Run	-0.0028 ppm	0.0285 ppm	0.0525 ppm	0.1284 ppm	72.4672 ppm	3.8210 ppm	0.0568 ppm
Concentration RSD	0.7 %	1.1 %	0.2 %	0.5 %	0.9 %	1.0 %	4.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	120.7503 ppm	3.2721 ppm	0.0024 ppm	0.7451 ppm	0.0638 ppm	0.1769 ppm	0.0009 ppm
Concentration per Run	121.2339 ppm	3.2916 ppm	0.0026 ppm	0.7533 ppm	0.0642 ppm	0.1789 ppm	0.0020 ppm
Concentration per Run	120.6016 ppm	3.2891 ppm	0.0025 ppm	0.7481 ppm	0.0646 ppm	0.1759 ppm	0.0000 ppm
Concentration per Run	120.4154 ppm	3.2356 ppm	0.0020 ppm	0.7338 ppm	0.0626 ppm	0.1759 ppm	0.0007 ppm
Concentration RSD	0.4 %	1.0 %	12.5 %	1.4 %	1.7 %	1.0 %	116.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0012 ppm	7.9270 ppm	0.0081 ppm	0.6791 ppm	0.4947 ppm	-0.0008 ppm	0.0820 ppm
Concentration per Run	-0.0024 ppm	7.8963 ppm	0.0083 ppm	0.6771 ppm	0.4940 ppm	-0.0007 ppm	0.0821 ppm
Concentration per Run	-0.0031 ppm	7.9028 ppm	0.0084 ppm	0.6832 ppm	0.5052 ppm	-0.0016 ppm	0.0819 ppm
Concentration per Run	0.0020 ppm	7.9820 ppm	0.0075 ppm	0.6769 ppm	0.4850 ppm	-0.0001 ppm	0.0820 ppm
Concentration RSD	231.8 %	0.6 %	6.5 %	0.5 %	2.0 %	94.4 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4861 ppm	96.3960 %	101.0885 %	84.9536 %	109.6744 %	115.4896 %	107.9935 %
Concentration per Run	0.4903 ppm	96.2239 %	100.0074 %	84.9194 %	109.5359 %	115.1173 %	107.9777 %
Concentration per Run	0.4868 ppm	96.3988 %	100.4807 %	85.1197 %	109.4235 %	115.1422 %	108.0946 %
Concentration per Run	0.4813 ppm	96.5653 %	102.7774 %	84.8217 %	110.0638 %	116.2092 %	107.9082 %
Concentration RSD	0.9 %	0.2 %	1.5 %	0.2 %	0.3 %	0.5 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2555892-01d2 WG2115685
 Analysis started at: 9/18/2025 8:19:16 PM
 Rack: 2
 Vial: 48
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0020 ppm	1.5678 ppm	0.0032 ppm	0.0149 ppm	0.3740 ppm	0.0003 ppm	62.9676 ppm
Concentration per Run	0.0019 ppm	1.5748 ppm	0.0029 ppm	0.0148 ppm	0.3745 ppm	0.0003 ppm	63.2651 ppm
Concentration per Run	0.0017 ppm	1.5672 ppm	0.0040 ppm	0.0139 ppm	0.3757 ppm	0.0003 ppm	62.4744 ppm
Concentration per Run	0.0023 ppm	1.5613 ppm	0.0028 ppm	0.0158 ppm	0.3718 ppm	0.0003 ppm	63.1632 ppm
Concentration RSD	17.0 %	0.4 %	19.6 %	6.2 %	0.5 %	2.3 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0046 ppm	0.0817 ppm	0.6549 ppm	72.9758 ppm	3.9253 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0047 ppm	0.0818 ppm	0.6580 ppm	73.2417 ppm	3.9442 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	0.0045 ppm	0.0813 ppm	0.6524 ppm	72.8990 ppm	3.9313 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0046 ppm	0.0819 ppm	0.6542 ppm	72.7869 ppm	3.9004 ppm	-0.0009 ppm
Concentration RSD	122.0 %	2.2 %	0.3 %	0.4 %	0.3 %	0.6 %	441.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	2.9778 ppm	0.4909 ppm	0.0200 ppm	2.2629 ppm	0.0161 ppm	0.0101 ppm	0.0019 ppm
Concentration per Run	2.9927 ppm	0.4916 ppm	0.0201 ppm	2.2739 ppm	0.0163 ppm	0.0102 ppm	0.0039 ppm
Concentration per Run	2.9726 ppm	0.4896 ppm	0.0194 ppm	2.2685 ppm	0.0169 ppm	0.0102 ppm	0.0002 ppm
Concentration per Run	2.9682 ppm	0.4916 ppm	0.0203 ppm	2.2463 ppm	0.0150 ppm	0.0100 ppm	0.0017 ppm
Concentration RSD	0.4 %	0.2 %	2.4 %	0.6 %	6.1 %	1.0 %	96.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0033 ppm	1.5786 ppm	0.0256 ppm	0.1346 ppm	0.0604 ppm	-0.0003 ppm	0.0073 ppm
Concentration per Run	0.0038 ppm	1.5882 ppm	0.0255 ppm	0.1345 ppm	0.0604 ppm	0.0013 ppm	0.0075 ppm
Concentration per Run	0.0034 ppm	1.5853 ppm	0.0262 ppm	0.1351 ppm	0.0571 ppm	-0.0004 ppm	0.0073 ppm
Concentration per Run	0.0028 ppm	1.5623 ppm	0.0250 ppm	0.1341 ppm	0.0637 ppm	-0.0019 ppm	0.0072 ppm
Concentration RSD	14.0 %	0.9 %	2.4 %	0.4 %	5.5 %	494.3 %	1.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6750 ppm	102.2816 %	105.6280 %	92.4602 %	103.8365 %	107.3541 %	99.3472 %
Concentration per Run	0.6761 ppm	102.1677 %	105.4072 %	92.5448 %	103.7400 %	107.7646 %	99.5659 %
Concentration per Run	0.6751 ppm	102.2162 %	105.7431 %	92.4872 %	103.7202 %	106.8194 %	99.4860 %
Concentration per Run	0.6738 ppm	102.4608 %	105.7336 %	92.3486 %	104.0492 %	107.4782 %	98.9896 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.1 %	0.2 %	0.5 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556564-01d2 WG2115685
 Analysis started at: 9/18/2025 8:22:44 PM
 Rack: 2
 Vial: 49
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0114 ppm	122.7297 ppm	0.0117 ppm	0.1140 ppm	0.6839 ppm	0.0009 ppm	34.1958 ppm
Concentration per Run	0.0116 ppm	122.5656 ppm	0.0122 ppm	0.1141 ppm	0.6823 ppm	0.0009 ppm	34.3035 ppm
Concentration per Run	0.0113 ppm	123.5409 ppm	0.0114 ppm	0.1156 ppm	0.6864 ppm	0.0009 ppm	34.3819 ppm
Concentration per Run	0.0113 ppm	122.0826 ppm	0.0115 ppm	0.1123 ppm	0.6831 ppm	0.0008 ppm	33.9019 ppm
Concentration RSD	1.6 %	0.6 %	3.5 %	1.5 %	0.3 %	3.2 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0049 ppm	0.0102 ppm	0.3592 ppm	1.6969 ppm	146.9343 ppm	2.8869 ppm	0.0058 ppm
Concentration per Run	0.0050 ppm	0.0098 ppm	0.3598 ppm	1.6943 ppm	147.0751 ppm	2.8942 ppm	0.0062 ppm
Concentration per Run	0.0047 ppm	0.0102 ppm	0.3585 ppm	1.7021 ppm	147.9150 ppm	2.9051 ppm	0.0060 ppm
Concentration per Run	0.0049 ppm	0.0105 ppm	0.3594 ppm	1.6942 ppm	145.8129 ppm	2.8615 ppm	0.0054 ppm
Concentration RSD	3.5 %	3.3 %	0.2 %	0.3 %	0.7 %	0.8 %	6.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	7.5054 ppm	2.5256 ppm	0.0439 ppm	2.0691 ppm	0.1270 ppm	0.0680 ppm	0.0025 ppm
Concentration per Run	7.5219 ppm	2.5278 ppm	0.0440 ppm	2.0678 ppm	0.1267 ppm	0.0678 ppm	0.0006 ppm
Concentration per Run	7.4691 ppm	2.5410 ppm	0.0438 ppm	2.0849 ppm	0.1278 ppm	0.0674 ppm	0.0031 ppm
Concentration per Run	7.5251 ppm	2.5079 ppm	0.0437 ppm	2.0547 ppm	0.1266 ppm	0.0688 ppm	0.0037 ppm
Concentration RSD	0.4 %	0.7 %	0.4 %	0.7 %	0.5 %	1.1 %	65.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0109 ppm	3.4990 ppm	1.3185 [SIC 50]	0.4146 ppm	0.1336 ppm	-0.0019 ppm	0.0251 ppm
Concentration per Run	0.0106 ppm	3.5010 ppm	1.3209 ppm	0.4146 ppm	0.1346 ppm	-0.0016 ppm	0.0251 ppm
Concentration per Run	0.0117 ppm	3.5007 ppm	1.3192 ppm	0.4161 ppm	0.1338 ppm	-0.0012 ppm	0.0250 ppm
Concentration per Run	0.0104 ppm	3.4953 ppm	1.3155 ppm	0.4131 ppm	0.1324 ppm	-0.0030 ppm	0.0252 ppm
Concentration RSD	6.2 %	0.1 %	0.2 %	0.4 %	0.8 %	48.5 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	3.0644 ppm	99.3581 %	102.4041 %	89.7660 %	100.9340 %	103.9462 %	99.0976 %
Concentration per Run	3.0858 ppm	99.4444 %	102.4982 %	89.9907 %	100.9804 %	104.0553 %	99.4572 %
Concentration per Run	3.0539 ppm	99.5269 %	101.5098 %	89.5312 %	101.3878 %	103.7127 %	98.7700 %
Concentration per Run	3.0537 ppm	99.1031 %	103.2043 %	89.7761 %	100.4340 %	104.0705 %	99.0656 %
Concentration RSD	0.6 %	0.2 %	0.8 %	0.3 %	0.5 %	0.2 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556681-01d2 WG2115685
 Analysis started at: 9/18/2025 8:26:11 PM
 Rack: 2
 Vial: 50
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	149.2717 ppm	0.0953 ppm	0.0062 ppm	0.7061 ppm	0.0088 ppm	21.7053 ppm
Concentration per Run	0.0009 ppm	149.4349 ppm	0.0948 ppm	0.0072 ppm	0.7039 ppm	0.0088 ppm	21.8437 ppm
Concentration per Run	-0.0001 ppm	149.2703 ppm	0.0969 ppm	0.0065 ppm	0.7072 ppm	0.0088 ppm	21.5373 ppm
Concentration per Run	0.0005 ppm	149.1098 ppm	0.0944 ppm	0.0048 ppm	0.7074 ppm	0.0089 ppm	21.7350 ppm
Concentration RSD	109.1 %	0.1 %	1.4 %	20.2 %	0.3 %	0.5 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0021 ppm	0.1270 ppm	0.1695 ppm	0.1948 ppm	281.7105 ppm	5.6346 ppm	0.2669 ppm
Concentration per Run	0.0025 ppm	0.1279 ppm	0.1698 ppm	0.1956 ppm	282.9849 ppm	5.6623 ppm	0.2675 ppm
Concentration per Run	0.0020 ppm	0.1277 ppm	0.1696 ppm	0.1951 ppm	280.2174 ppm	5.6219 ppm	0.2639 ppm
Concentration per Run	0.0019 ppm	0.1254 ppm	0.1690 ppm	0.1938 ppm	281.9290 ppm	5.6196 ppm	0.2693 ppm
Concentration RSD	13.6 %	1.1 %	0.2 %	0.5 %	0.5 %	0.4 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	36.9715 ppm	8.9035 ppm	0.0027 ppm	0.4997 ppm	0.2604 ppm	0.1675 ppm	0.0002 ppm
Concentration per Run	37.0426 ppm	8.9348 ppm	0.0023 ppm	0.4977 ppm	0.2602 ppm	0.1681 ppm	0.0025 ppm
Concentration per Run	37.2278 ppm	8.8766 ppm	0.0030 ppm	0.4998 ppm	0.2608 ppm	0.1700 ppm	0.0024 ppm
Concentration per Run	36.6441 ppm	8.8991 ppm	0.0027 ppm	0.5015 ppm	0.2601 ppm	0.1643 ppm	-0.0042 ppm
Concentration RSD	0.8 %	0.3 %	12.6 %	0.4 %	0.1 %	1.7 %	1,584.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0014 ppm	5.3430 ppm	0.0085 ppm	0.0895 ppm	0.3724 ppm	-0.0025 ppm	0.1868 ppm
Concentration per Run	-0.0003 ppm	5.3082 ppm	0.0085 ppm	0.0895 ppm	0.3725 ppm	-0.0030 ppm	0.1866 ppm
Concentration per Run	-0.0002 ppm	5.4004 ppm	0.0080 ppm	0.0893 ppm	0.3733 ppm	-0.0034 ppm	0.1879 ppm
Concentration per Run	-0.0037 ppm	5.3204 ppm	0.0089 ppm	0.0897 ppm	0.3715 ppm	-0.0011 ppm	0.1861 ppm
Concentration RSD	140.5 %	0.9 %	5.5 %	0.2 %	0.2 %	49.5 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7130 ppm	100.8932 %	98.1175 %	95.1245 %	145.6836 %	152.5342 %	149.5624 %
Concentration per Run	0.7178 ppm	101.3670 %	97.3446 %	95.3341 %	145.9946 %	151.9282 %	149.8599 %
Concentration per Run	0.7156 ppm	100.2241 %	98.8591 %	94.9629 %	145.3721 %	152.3334 %	149.8656 %
Concentration per Run	0.7056 ppm	101.0885 %	98.1489 %	95.0765 %	145.6840 %	153.3409 %	148.9617 %
Concentration RSD	0.9 %	0.6 %	0.8 %	0.2 %	0.2 %	0.5 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556681-02d2 WG2115685
 Analysis started at: 9/18/2025 8:29:39 PM
 Rack: 2
 Vial: 51
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	127.6027 ppm	0.1070 ppm	0.0070 ppm	1.0250 ppm	0.0068 ppm	27.0016 ppm
Concentration per Run	0.0008 ppm	128.2085 ppm	0.1076 ppm	0.0062 ppm	1.0290 ppm	0.0069 ppm	27.1239 ppm
Concentration per Run	0.0009 ppm	127.6473 ppm	0.1067 ppm	0.0072 ppm	1.0254 ppm	0.0068 ppm	26.8985 ppm
Concentration per Run	0.0005 ppm	126.9524 ppm	0.1068 ppm	0.0076 ppm	1.0207 ppm	0.0068 ppm	26.9822 ppm
Concentration RSD	23.7 %	0.5 %	0.5 %	10.3 %	0.4 %	1.1 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0014 ppm	0.1088 ppm	0.1709 ppm	0.1685 ppm	249.8105 ppm	5.6546 ppm	0.2745 ppm
Concentration per Run	0.0014 ppm	0.1086 ppm	0.1713 ppm	0.1684 ppm	252.2770 ppm	5.7271 ppm	0.2758 ppm
Concentration per Run	0.0014 ppm	0.1091 ppm	0.1709 ppm	0.1687 ppm	248.6146 ppm	5.6152 ppm	0.2736 ppm
Concentration per Run	0.0015 ppm	0.1087 ppm	0.1703 ppm	0.1685 ppm	248.5399 ppm	5.6214 ppm	0.2741 ppm
Concentration RSD	5.2 %	0.2 %	0.3 %	0.1 %	0.9 %	1.1 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	34.6774 ppm	6.8085 ppm	0.0014 ppm	0.2409 ppm	0.2236 ppm	0.1942 ppm	0.0000 ppm
Concentration per Run	34.7182 ppm	6.8473 ppm	0.0013 ppm	0.2434 ppm	0.2244 ppm	0.1937 ppm	0.0017 ppm
Concentration per Run	34.6919 ppm	6.7946 ppm	0.0018 ppm	0.2376 ppm	0.2240 ppm	0.1951 ppm	0.0033 ppm
Concentration per Run	34.6220 ppm	6.7837 ppm	0.0012 ppm	0.2418 ppm	0.2223 ppm	0.1938 ppm	-0.0050 ppm
Concentration RSD	0.1 %	0.5 %	24.9 %	1.2 %	0.5 %	0.4 %	32,438.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0021 ppm	6.1254 ppm	0.0085 ppm	0.1000 ppm	0.2746 ppm	-0.0014 ppm	0.1671 ppm
Concentration per Run	-0.0022 ppm	6.1230 ppm	0.0089 ppm	0.1006 ppm	0.2740 ppm	-0.0004 ppm	0.1672 ppm
Concentration per Run	-0.0015 ppm	6.1068 ppm	0.0076 ppm	0.1002 ppm	0.2741 ppm	-0.0030 ppm	0.1674 ppm
Concentration per Run	-0.0025 ppm	6.1462 ppm	0.0089 ppm	0.0992 ppm	0.2758 ppm	-0.0008 ppm	0.1668 ppm
Concentration RSD	25.2 %	0.3 %	9.0 %	0.7 %	0.4 %	103.6 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7766 ppm	97.5807 %	95.1977 %	95.5211 %	122.9363 %	119.5703 %	128.5219 %
Concentration per Run	0.7784 ppm	97.6014 %	94.2693 %	95.6223 %	123.0886 %	118.5373 %	128.4001 %
Concentration per Run	0.7737 ppm	97.6142 %	95.9572 %	95.5737 %	122.8500 %	120.9918 %	128.8923 %
Concentration per Run	0.7778 ppm	97.5264 %	95.3666 %	95.3672 %	122.8703 %	119.1816 %	128.2733 %
Concentration RSD	0.3 %	0.0 %	0.9 %	0.1 %	0.1 %	1.1 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557446-14d2 WG2115685
 Analysis started at: 9/18/2025 8:33:06 PM
 Rack: 2
 Vial: 52
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	93.0315 ppm	0.0574 ppm	0.0037 ppm	0.6069 ppm	0.0084 ppm	0.9905 ppm
Concentration per Run	0.0012 ppm	92.9445 ppm	0.0581 ppm	0.0037 ppm	0.6053 ppm	0.0084 ppm	0.9935 ppm
Concentration per Run	-0.0001 ppm	93.0164 ppm	0.0560 ppm	0.0040 ppm	0.6083 ppm	0.0084 ppm	0.9886 ppm
Concentration per Run	-0.0001 ppm	93.1337 ppm	0.0582 ppm	0.0034 ppm	0.6071 ppm	0.0084 ppm	0.9895 ppm
Concentration RSD	226.2 %	0.1 %	2.1 %	8.6 %	0.3 %	0.4 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0028 ppm	0.1613 ppm	0.1388 ppm	0.4309 ppm	352.6800 ppm	4.4691 ppm	0.2044 ppm
Concentration per Run	0.0030 ppm	0.1615 ppm	0.1387 ppm	0.4292 ppm	353.5006 ppm	4.4774 ppm	0.2056 ppm
Concentration per Run	0.0026 ppm	0.1618 ppm	0.1392 ppm	0.4318 ppm	352.8082 ppm	4.4905 ppm	0.2045 ppm
Concentration per Run	0.0029 ppm	0.1605 ppm	0.1384 ppm	0.4318 ppm	351.7312 ppm	4.4395 ppm	0.2032 ppm
Concentration RSD	8.4 %	0.4 %	0.3 %	0.3 %	0.3 %	0.6 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	21.2646 ppm	12.8869 ppm	0.0060 ppm	0.1430 ppm	0.3898 ppm	0.1966 ppm	0.0059 ppm
Concentration per Run	21.2242 ppm	12.8882 ppm	0.0061 ppm	0.1412 ppm	0.3885 ppm	0.1967 ppm	0.0044 ppm
Concentration per Run	21.3333 ppm	12.8781 ppm	0.0061 ppm	0.1440 ppm	0.3915 ppm	0.1968 ppm	0.0049 ppm
Concentration per Run	21.2362 ppm	12.8943 ppm	0.0059 ppm	0.1438 ppm	0.3894 ppm	0.1964 ppm	0.0084 ppm
Concentration RSD	0.3 %	0.1 %	2.2 %	1.1 %	0.4 %	0.1 %	37.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0038 ppm	3.8972 ppm	0.0057 ppm	0.0121 ppm	0.1730 ppm	-0.0037 ppm	0.1683 ppm
Concentration per Run	-0.0033 ppm	3.8571 ppm	0.0056 ppm	0.0121 ppm	0.1735 ppm	-0.0041 ppm	0.1675 ppm
Concentration per Run	-0.0043 ppm	3.9271 ppm	0.0047 ppm	0.0121 ppm	0.1724 ppm	-0.0042 ppm	0.1691 ppm
Concentration per Run	-0.0037 ppm	3.9074 ppm	0.0068 ppm	0.0120 ppm	0.1730 ppm	-0.0027 ppm	0.1684 ppm
Concentration RSD	13.1 %	0.9 %	18.3 %	0.6 %	0.3 %	22.3 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7130 ppm	98.5557 %	90.7570 %	95.9174 %	123.3512 %	121.0896 %	128.7241 %
Concentration per Run	0.7127 ppm	98.9919 %	90.4441 %	96.1908 %	123.3038 %	121.0308 %	129.0554 %
Concentration per Run	0.7161 ppm	98.2902 %	90.4281 %	95.8283 %	123.5381 %	120.5920 %	128.3660 %
Concentration per Run	0.7104 ppm	98.3850 %	91.3987 %	95.7331 %	123.2118 %	121.6461 %	128.7510 %
Concentration RSD	0.4 %	0.4 %	0.6 %	0.3 %	0.1 %	0.4 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557446-15d2 WG2115685
 Analysis started at: 9/18/2025 8:36:34 PM
 Rack: 2
 Vial: 53
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	88.6972 ppm	0.0685 ppm	0.0048 ppm	0.4231 ppm	0.0059 ppm	4.0921 ppm
Concentration per Run	-0.0006 ppm	87.8326 ppm	0.0694 ppm	0.0037 ppm	0.4181 ppm	0.0060 ppm	4.1360 ppm
Concentration per Run	0.0003 ppm	88.5094 ppm	0.0684 ppm	0.0056 ppm	0.4190 ppm	0.0059 ppm	4.1199 ppm
Concentration per Run	0.0005 ppm	89.7497 ppm	0.0677 ppm	0.0052 ppm	0.4321 ppm	0.0059 ppm	4.0205 ppm
Concentration RSD	795.4 %	1.1 %	1.2 %	21.6 %	1.9 %	0.8 %	1.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0026 ppm	0.3833 ppm	0.1399 ppm	0.4169 ppm	320.7525 ppm	3.8659 ppm	0.1639 ppm
Concentration per Run	0.0023 ppm	0.3834 ppm	0.1396 ppm	0.4168 ppm	321.8824 ppm	3.8125 ppm	0.1676 ppm
Concentration per Run	0.0028 ppm	0.3851 ppm	0.1401 ppm	0.4174 ppm	320.6182 ppm	3.8393 ppm	0.1666 ppm
Concentration per Run	0.0026 ppm	0.3814 ppm	0.1398 ppm	0.4165 ppm	319.7568 ppm	3.9460 ppm	0.1574 ppm
Concentration RSD	10.0 %	0.5 %	0.2 %	0.1 %	0.3 %	1.8 %	3.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	21.2302 ppm	19.4516 ppm	0.0138 ppm	0.1981 ppm	0.2951 ppm	0.3588 ppm	0.0091 ppm
Concentration per Run	21.3136 ppm	19.4753 ppm	0.0135 ppm	0.2024 ppm	0.2944 ppm	0.3575 ppm	0.0092 ppm
Concentration per Run	21.2703 ppm	19.4654 ppm	0.0138 ppm	0.1988 ppm	0.2968 ppm	0.3598 ppm	0.0092 ppm
Concentration per Run	21.1069 ppm	19.4141 ppm	0.0141 ppm	0.1931 ppm	0.2942 ppm	0.3592 ppm	0.0087 ppm
Concentration RSD	0.5 %	0.2 %	2.5 %	2.4 %	0.5 %	0.3 %	3.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0034 ppm	3.6688 ppm	0.0062 ppm	0.0163 ppm	0.2935 ppm	-0.0063 ppm	0.1718 ppm
Concentration per Run	-0.0038 ppm	3.7183 ppm	0.0063 ppm	0.0165 ppm	0.2923 ppm	-0.0058 ppm	0.1726 ppm
Concentration per Run	-0.0014 ppm	3.6601 ppm	0.0062 ppm	0.0164 ppm	0.2939 ppm	-0.0060 ppm	0.1714 ppm
Concentration per Run	-0.0049 ppm	3.6281 ppm	0.0060 ppm	0.0161 ppm	0.2941 ppm	-0.0070 ppm	0.1715 ppm
Concentration RSD	52.7 %	1.2 %	2.9 %	1.3 %	0.3 %	10.1 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7724 ppm	98.3193 %	89.4815 %	96.7748 %	125.1950 %	119.5843 %	130.8432 %
Concentration per Run	0.7693 ppm	97.9143 %	88.8454 %	97.0268 %	125.3023 %	122.4437 %	131.2319 %
Concentration per Run	0.7792 ppm	98.0325 %	88.9635 %	96.8448 %	124.6466 %	120.8668 %	131.1046 %
Concentration per Run	0.7687 ppm	99.0111 %	90.6355 %	96.4526 %	125.6359 %	115.4423 %	130.1929 %
Concentration RSD	0.8 %	0.6 %	1.1 %	0.3 %	0.4 %	3.1 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
Analysis started at: 9/18/2025 8:40:02 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4977 ppm	0.4866 ppm	0.4480 ppm	0.5025 ppm	0.4810 ppm	0.5212 ppm	0.5489 ppm
Concentration per Run	0.4977 ppm	0.4828 ppm	0.4479 ppm	0.5044 ppm	0.4797 ppm	0.5221 ppm	0.5496 ppm
Concentration per Run	0.4983 ppm	0.4911 ppm	0.4497 ppm	0.5020 ppm	0.4821 ppm	0.5217 ppm	0.5467 ppm
Concentration per Run	0.4970 ppm	0.4860 ppm	0.4465 ppm	0.5011 ppm	0.4811 ppm	0.5198 ppm	0.5503 ppm
Recovery Percentage	99.537 %	97.323 %	89.608 %	100.497 %	96.196 %	104.234 %	109.774 %
Concentration RSD	0.1 %	0.9 %	0.4 %	0.3 %	0.3 %	0.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5535 ppm	0.5337 ppm	0.5269 ppm	0.5037 ppm	0.5574 ppm	5.2130 ppm	0.5116 ppm
Concentration per Run	0.5546 ppm	0.5344 ppm	0.5265 ppm	0.5031 ppm	0.5582 ppm	5.2350 ppm	0.5100 ppm
Concentration per Run	0.5541 ppm	0.5343 ppm	0.5282 ppm	0.5035 ppm	0.5594 ppm	5.2031 ppm	0.5106 ppm
Concentration per Run	0.5518 ppm	0.5326 ppm	0.5259 ppm	0.5044 ppm	0.5548 ppm	5.2010 ppm	0.5143 ppm
Recovery Percentage	110.700 %	106.749 %	105.376 %	100.737 %	111.489 %	104.260 %	102.329 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.1 %	0.4 %	0.4 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5585 ppm	0.5388 ppm	0.5074 ppm	10.4269 ppm	0.5436 ppm	0.4924 ppm	0.5173 ppm
Concentration per Run	0.5598 ppm	0.5390 ppm	0.5054 ppm	10.4424 ppm	0.5436 ppm	0.4928 ppm	0.5192 ppm
Concentration per Run	0.5611 ppm	0.5393 ppm	0.5077 ppm	10.4455 ppm	0.5448 ppm	0.4929 ppm	0.5179 ppm
Concentration per Run	0.5546 ppm	0.5380 ppm	0.5090 ppm	10.3927 ppm	0.5425 ppm	0.4913 ppm	0.5150 ppm
Recovery Percentage	111.697 %	107.752 %	101.478 %	104.269 %	108.730 %	98.471 %	103.467 %
Concentration RSD	0.6 %	0.1 %	0.4 %	0.3 %	0.2 %	0.2 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4488 ppm	5.5185 ppm	0.5410 ppm	0.4976 ppm	0.5099 ppm	0.4934 ppm	0.5177 ppm
Concentration per Run	0.4469 ppm	5.5103 ppm	0.5411 ppm	0.4972 ppm	0.5123 ppm	0.4931 ppm	0.5187 ppm
Concentration per Run	0.4496 ppm	5.5257 ppm	0.5410 ppm	0.4977 ppm	0.5101 ppm	0.4937 ppm	0.5181 ppm
Concentration per Run	0.4500 ppm	5.5193 ppm	0.5407 ppm	0.4978 ppm	0.5072 ppm	0.4933 ppm	0.5162 ppm
Recovery Percentage	89.766 %	105.113 %	108.194 %	99.518 %	101.972 %	98.678 %	103.536 %
Concentration RSD	0.4 %	0.1 %	0.0 %	0.1 %	0.5 %	0.1 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5524 ppm	100.0710 %	88.5586 %	105.2438 %	99.3097 %	88.1139 %	103.1510 %
Concentration per Run	0.5524 ppm	100.2018 %	88.9215 %	105.5479 %	99.8608 %	88.8033 %	103.3645 %
Concentration per Run	0.5536 ppm	99.6512 %	88.2519 %	105.5166 %	99.2414 %	87.4844 %	103.6670 %
Concentration per Run	0.5512 ppm	100.3601 %	88.5025 %	104.6667 %	98.8268 %	88.0540 %	102.4216 %
Recovery Percentage	110.474 %						
Concentration RSD	0.2 %	0.4 %	0.4 %	0.5 %	0.5 %	0.8 %	0.6 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 8:43:29 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0004 ppm	-0.0125 ppm	0.0012 ppm	0.0018 ppm	0.0001 ppm	0.0001 ppm	0.0026 ppm
Concentration per Run	-0.0003 ppm	-0.0137 ppm	-0.0002 ppm	0.0024 ppm	0.0001 ppm	0.0001 ppm	0.0034 ppm
Concentration per Run	-0.0005 ppm	-0.0101 ppm	0.0025 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0017 ppm
Concentration per Run	-0.0003 ppm	-0.0138 ppm	0.0012 ppm	0.0021 ppm	0.0002 ppm	0.0001 ppm	0.0028 ppm
Recovery Percentage	-7.527 %	-12.530 %	23.453 %	5.896 %	1.377 %	1.559 %	2.643 %
Concentration RSD	22.8 %	16.8 %	116.7 %	45.1 %	57.0 %	1.2 %	33.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0106 ppm	0.0066 ppm	-0.0004 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0111 ppm	0.0044 ppm	-0.0011 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0108 ppm	0.0007 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0002 ppm	-0.0001 ppm	0.0098 ppm	0.0146 ppm	-0.0009 ppm
Recovery Percentage	3.825 %	3.002 %	1.979 %	0.217 %	21.106 %	0.262 %	-4.280 %
Concentration RSD	9.7 %	63.4 %	82.6 %	572.9 %	6.6 %	109.3 %	227.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0010 ppm	0.0004 ppm	0.0040 ppm	0.0103 ppm	-0.0005 ppm	-0.0005 ppm	0.0010 ppm
Concentration per Run	-0.0003 ppm	0.0006 ppm	0.0040 ppm	0.0081 ppm	-0.0006 ppm	-0.0002 ppm	0.0009 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	0.0042 ppm	0.0113 ppm	-0.0005 ppm	-0.0014 ppm	0.0001 ppm
Concentration per Run	0.0030 ppm	0.0003 ppm	0.0038 ppm	0.0115 ppm	-0.0003 ppm	0.0001 ppm	0.0021 ppm
Recovery Percentage	0.985 %	4.032 %	7.988 %	0.516 %	-1.904 %	-4.814 %	2.034 %
Concentration RSD	179.3 %	33.6 %	5.8 %	18.9 %	33.6 %	169.4 %	98.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0011 ppm	0.0053 ppm	0.0019 ppm	0.0001 ppm	0.0007 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run	0.0027 ppm	0.0062 ppm	0.0019 ppm	0.0001 ppm	0.0005 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0045 ppm	0.0019 ppm	0.0000 ppm	0.0008 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	0.0006 ppm	0.0053 ppm	0.0018 ppm	0.0001 ppm	0.0008 ppm	-0.0001 ppm	0.0001 ppm
Recovery Percentage	11.104 %	1.064 %	3.729 %	0.679 %	7.053 %	2.237 %	-0.168 %
Concentration RSD	130.5 %	16.3 %	4.1 %	31.6 %	24.3 %	128.8 %	487.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	99.6600 %	86.2231 %	105.2893 %	100.8381 %	87.0066 %	103.3309 %
Concentration per Run	0.0005 ppm	99.9175 %	86.3994 %	105.1302 %	101.1915 %	86.9801 %	103.5400 %
Concentration per Run	0.0005 ppm	99.5353 %	86.1530 %	105.5860 %	101.1003 %	87.3010 %	103.1876 %
Concentration per Run	0.0006 ppm	99.5272 %	86.1170 %	105.1517 %	100.2226 %	86.7387 %	103.2651 %
Recovery Percentage	10.069 %						
Concentration RSD	9.2 %	0.2 %	0.2 %	0.2 %	0.5 %	0.3 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
 Analysis started at: 9/18/2025 9:01:07 PM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4965 ppm	0.4820 ppm	0.4788 ppm	0.4962 ppm	0.5006 ppm	0.5194 ppm	0.4921 ppm
Concentration per Run	0.4978 ppm	0.4813 ppm	0.4794 ppm	0.4959 ppm	0.4996 ppm	0.5193 ppm	0.4895 ppm
Concentration per Run	0.4950 ppm	0.4813 ppm	0.4797 ppm	0.4951 ppm	0.5012 ppm	0.5188 ppm	0.4925 ppm
Concentration per Run	0.4967 ppm	0.4833 ppm	0.4774 ppm	0.4976 ppm	0.5011 ppm	0.5202 ppm	0.4944 ppm
Recovery Percentage	99.301 %	96.396 %	95.770 %	99.239 %	100.129 %	103.886 %	98.426 %
Concentration RSD	0.3 %	0.2 %	0.3 %	0.3 %	0.2 %	0.1 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5047 ppm	0.5050 ppm	0.5070 ppm	0.5201 ppm	0.5030 ppm	5.1303 ppm	0.5313 ppm
Concentration per Run	0.5053 ppm	0.5064 ppm	0.5078 ppm	0.5208 ppm	0.5031 ppm	5.1563 ppm	0.5261 ppm
Concentration per Run	0.5038 ppm	0.5028 ppm	0.5051 ppm	0.5200 ppm	0.5038 ppm	5.0877 ppm	0.5314 ppm
Concentration per Run	0.5051 ppm	0.5058 ppm	0.5081 ppm	0.5195 ppm	0.5020 ppm	5.1468 ppm	0.5364 ppm
Recovery Percentage	100.942 %	101.002 %	101.399 %	104.025 %	100.595 %	102.605 %	106.256 %
Concentration RSD	0.2 %	0.4 %	0.3 %	0.1 %	0.2 %	0.7 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5056 ppm	0.5130 ppm	0.4913 ppm	10.3146 ppm	0.5142 ppm	0.4971 ppm	0.5136 ppm
Concentration per Run	0.5071 ppm	0.5137 ppm	0.4885 ppm	10.2855 ppm	0.5150 ppm	0.4951 ppm	0.5157 ppm
Concentration per Run	0.5027 ppm	0.5107 ppm	0.4917 ppm	10.2914 ppm	0.5121 ppm	0.4992 ppm	0.5095 ppm
Concentration per Run	0.5071 ppm	0.5146 ppm	0.4938 ppm	10.3669 ppm	0.5155 ppm	0.4969 ppm	0.5156 ppm
Recovery Percentage	101.129 %	102.593 %	98.266 %	103.146 %	102.844 %	99.416 %	102.722 %
Concentration RSD	0.5 %	0.4 %	0.6 %	0.4 %	0.4 %	0.4 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4872 ppm	5.4174 ppm	0.5018 ppm	0.5122 ppm	0.5042 ppm	0.5098 ppm	0.5108 ppm
Concentration per Run	0.4838 ppm	5.3941 ppm	0.5022 ppm	0.5075 ppm	0.5047 ppm	0.5101 ppm	0.5107 ppm
Concentration per Run	0.4883 ppm	5.4159 ppm	0.5007 ppm	0.5148 ppm	0.5024 ppm	0.5109 ppm	0.5101 ppm
Concentration per Run	0.4894 ppm	5.4421 ppm	0.5024 ppm	0.5142 ppm	0.5055 ppm	0.5085 ppm	0.5116 ppm
Recovery Percentage	97.438 %	103.188 %	100.357 %	102.436 %	100.838 %	101.967 %	102.164 %
Concentration RSD	0.6 %	0.4 %	0.2 %	0.8 %	0.3 %	0.2 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4974 ppm	104.8190 %	102.9730 %	100.6535 %	103.8559 %	101.3154 %	102.2094 %
Concentration per Run	0.5006 ppm	104.9703 %	103.0091 %	100.4252 %	103.8623 %	101.1137 %	101.8852 %
Concentration per Run	0.4920 ppm	104.6622 %	103.5925 %	100.9541 %	103.7119 %	101.5463 %	102.5886 %
Concentration per Run	0.4996 ppm	104.8246 %	102.3175 %	100.5810 %	103.9934 %	101.2861 %	102.1544 %
Recovery Percentage	99.481 %						
Concentration RSD	1.0 %	0.1 %	0.6 %	0.3 %	0.1 %	0.2 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 9:04:40 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0113 ppm	0.0012 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run	0.0001 ppm	-0.0126 ppm	0.0015 ppm	0.0011 ppm	0.0001 ppm	0.0001 ppm	0.0022 ppm
Concentration per Run	0.0002 ppm	-0.0131 ppm	0.0015 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run	-0.0003 ppm	-0.0081 ppm	0.0005 ppm	0.0012 ppm	0.0000 ppm	0.0001 ppm	0.0012 ppm
Recovery Percentage	-0.140 %	-11.262 %	23.484 %	3.226 %	0.562 %	1.730 %	0.907 %
Concentration RSD	3,785.7 %	24.3 %	48.2 %	31.5 %	41.2 %	44.1 %	157.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	0.0003 ppm	0.0001 ppm	-0.0001 ppm	0.0040 ppm	-0.0014 ppm	-0.0003 ppm
Concentration per Run	0.0002 ppm	0.0007 ppm	0.0005 ppm	0.0001 ppm	0.0032 ppm	-0.0033 ppm	0.0003 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0035 ppm	-0.0013 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0054 ppm	0.0005 ppm	-0.0009 ppm
Recovery Percentage	4.183 %	2.841 %	0.701 %	-1.209 %	8.058 %	-0.055 %	-2.685 %
Concentration RSD	18.9 %	126.5 %	560.5 %	143.2 %	29.3 %	136.5 %	237.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0002 ppm	0.0001 ppm	0.0039 ppm	0.0035 ppm	0.0000 ppm	-0.0001 ppm	-0.0006 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0039 ppm	0.0046 ppm	-0.0006 ppm	-0.0008 ppm	-0.0007 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	0.0038 ppm	0.0028 ppm	0.0003 ppm	0.0005 ppm	-0.0016 ppm
Concentration per Run	-0.0004 ppm	0.0001 ppm	0.0041 ppm	0.0030 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm
Recovery Percentage	-0.181 %	1.349 %	7.837 %	0.173 %	-0.174 %	-0.830 %	-1.168 %
Concentration RSD	132.4 %	21.9 %	3.7 %	27.7 %	1,068.0 %	785.7 %	180.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0020 ppm	-0.0017 ppm	0.0012 ppm	0.0001 ppm	0.0005 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run	0.0018 ppm	-0.0018 ppm	0.0010 ppm	0.0000 ppm	0.0006 ppm	0.0019 ppm	0.0003 ppm
Concentration per Run	0.0023 ppm	-0.0009 ppm	0.0012 ppm	0.0001 ppm	0.0005 ppm	0.0014 ppm	-0.0001 ppm
Concentration per Run	0.0020 ppm	-0.0023 ppm	0.0012 ppm	0.0001 ppm	0.0004 ppm	0.0008 ppm	0.0001 ppm
Recovery Percentage	20.341 %	-0.338 %	2.325 %	0.584 %	5.297 %	6.686 %	1.100 %
Concentration RSD	11.2 %	41.8 %	10.0 %	128.6 %	18.5 %	39.1 %	165.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	99.8845 %	93.6138 %	103.6545 %	100.6747 %	93.8230 %	101.6468 %
Concentration per Run	0.0004 ppm	99.6201 %	93.9978 %	103.6858 %	100.5730 %	93.5926 %	101.2782 %
Concentration per Run	0.0003 ppm	100.2531 %	93.2155 %	103.7109 %	101.2889 %	93.8199 %	102.0416 %
Concentration per Run	0.0002 ppm	99.7804 %	93.6281 %	103.5667 %	100.1621 %	94.0565 %	101.6206 %
Recovery Percentage	5.242 %						
Concentration RSD	38.5 %	0.3 %	0.4 %	0.1 %	0.6 %	0.2 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115685-1 WG2115685
 Analysis started at: 9/18/2025 9:12:18 PM
 Rack: 2
 Vial: 41
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	-0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0430 ppm
Concentration per Run	-0.0002 ppm	0.0041 ppm	-0.0006 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0429 ppm
Concentration per Run	0.0000 ppm	-0.0027 ppm	-0.0010 ppm	0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0433 ppm
Concentration per Run	0.0002 ppm	-0.0006 ppm	0.0007 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0428 ppm
Concentration RSD	9,583.4 %	1,268.1 %	290.3 %	141.9 %	37.1 %	17,699.7 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0007 ppm	0.0010 ppm	0.0694 ppm	0.0065 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0007 ppm	0.0009 ppm	0.0694 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0012 ppm	0.0701 ppm	0.0152 ppm	0.0004 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0006 ppm	0.0008 ppm	0.0688 ppm	0.0043 ppm	-0.0003 ppm
Concentration RSD	44.3 %	31.7 %	8.8 %	24.8 %	1.0 %	119.6 %	197.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0122 ppm	0.0008 ppm	0.0004 ppm	0.0112 ppm	-0.0002 ppm	0.0010 ppm	-0.0004 ppm
Concentration per Run	0.0126 ppm	0.0008 ppm	0.0002 ppm	0.0102 ppm	-0.0002 ppm	0.0004 ppm	0.0006 ppm
Concentration per Run	0.0123 ppm	0.0007 ppm	0.0006 ppm	0.0115 ppm	-0.0002 ppm	0.0009 ppm	0.0013 ppm
Concentration per Run	0.0116 ppm	0.0009 ppm	0.0005 ppm	0.0117 ppm	-0.0003 ppm	0.0015 ppm	-0.0030 ppm
Concentration RSD	4.1 %	12.4 %	40.8 %	7.2 %	16.0 %	58.0 %	637.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0013 ppm	0.0120 ppm	0.0108 ppm	0.0001 ppm	0.0008 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run	0.0006 ppm	0.0121 ppm	0.0104 ppm	0.0001 ppm	0.0008 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0010 ppm	0.0116 ppm	0.0108 ppm	0.0001 ppm	0.0009 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run	0.0023 ppm	0.0123 ppm	0.0111 ppm	0.0000 ppm	0.0006 ppm	-0.0010 ppm	-0.0001 ppm
Concentration RSD	70.4 %	2.9 %	3.2 %	72.4 %	17.8 %	629.6 %	668.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0028 ppm	100.7708 %	102.0726 %	95.9057 %	100.3219 %	101.5300 %	98.5636 %
Concentration per Run	0.0029 ppm	100.8195 %	102.5031 %	95.8124 %	100.1669 %	101.7865 %	98.7117 %
Concentration per Run	0.0027 ppm	100.7851 %	102.7437 %	96.1536 %	100.3778 %	101.9984 %	98.6729 %
Concentration per Run	0.0029 ppm	100.7078 %	100.9708 %	95.7510 %	100.4210 %	100.8053 %	98.3062 %
Concentration RSD	4.3 %	0.1 %	0.9 %	0.2 %	0.1 %	0.6 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115685-2d2 WG2115685
 Analysis started at: 9/18/2025 9:16:02 PM
 Rack: 2
 Vial: 42
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0520 ppm	2.1589 ppm	0.1266 ppm	1.0384 ppm	2.1063 ppm	0.0550 ppm	10.6072 ppm
Concentration per Run	0.0521 ppm	2.1561 ppm	0.1276 ppm	1.0358 ppm	2.1132 ppm	0.0550 ppm	10.5707 ppm
Concentration per Run	0.0518 ppm	2.1639 ppm	0.1270 ppm	1.0385 ppm	2.1085 ppm	0.0548 ppm	10.5839 ppm
Concentration per Run	0.0521 ppm	2.1566 ppm	0.1253 ppm	1.0407 ppm	2.0973 ppm	0.0551 ppm	10.6672 ppm
Concentration RSD	0.3 %	0.2 %	0.9 %	0.2 %	0.4 %	0.3 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0547 ppm	0.5178 ppm	0.2090 ppm	0.2712 ppm	1.0750 ppm	10.7602 ppm	0.0001 ppm
Concentration per Run	0.0547 ppm	0.5170 ppm	0.2091 ppm	0.2704 ppm	1.0747 ppm	10.7634 ppm	-0.0004 ppm
Concentration per Run	0.0545 ppm	0.5195 ppm	0.2086 ppm	0.2720 ppm	1.0733 ppm	10.7945 ppm	-0.0001 ppm
Concentration per Run	0.0549 ppm	0.5168 ppm	0.2094 ppm	0.2713 ppm	1.0769 ppm	10.7227 ppm	0.0009 ppm
Concentration RSD	0.4 %	0.3 %	0.2 %	0.3 %	0.2 %	0.3 %	546.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.4008 ppm	0.5345 ppm	1.0532 ppm	10.9629 ppm	0.5298 ppm	0.5549 ppm	0.5317 ppm
Concentration per Run	10.4187 ppm	0.5345 ppm	1.0483 ppm	10.9474 ppm	0.5307 ppm	0.5535 ppm	0.5289 ppm
Concentration per Run	10.3954 ppm	0.5333 ppm	1.0536 ppm	10.9645 ppm	0.5289 ppm	0.5561 ppm	0.5327 ppm
Concentration per Run	10.3884 ppm	0.5358 ppm	1.0575 ppm	10.9768 ppm	0.5299 ppm	0.5552 ppm	0.5334 ppm
Concentration RSD	0.2 %	0.2 %	0.4 %	0.1 %	0.2 %	0.2 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1299 ppm	0.9886 ppm	1.0293 [SIC 50]	1.0496 ppm	1.0523 ppm	0.1271 ppm	0.5428 ppm
Concentration per Run	0.1303 ppm	0.9867 ppm	1.0285 ppm	1.0482 ppm	1.0552 ppm	0.1259 ppm	0.5423 ppm
Concentration per Run	0.1286 ppm	0.9930 ppm	1.0285 ppm	1.0516 ppm	1.0523 ppm	0.1262 ppm	0.5432 ppm
Concentration per Run	0.1308 ppm	0.9862 ppm	1.0309 ppm	1.0491 ppm	1.0493 ppm	0.1291 ppm	0.5428 ppm
Concentration RSD	0.9 %	0.4 %	0.1 %	0.2 %	0.3 %	1.4 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5149 ppm	103.5313 %	102.6600 %	95.2449 %	102.7865 %	101.6049 %	100.0338 %
Concentration per Run	0.5158 ppm	103.6328 %	103.5990 %	95.5350 %	102.6713 %	102.7381 %	100.2685 %
Concentration per Run	0.5134 ppm	103.9963 %	102.5667 %	95.3074 %	103.4926 %	101.3209 %	100.2419 %
Concentration per Run	0.5154 ppm	102.9649 %	101.8142 %	94.8922 %	102.1957 %	100.7557 %	99.5910 %
Concentration RSD	0.2 %	0.5 %	0.9 %	0.3 %	0.6 %	1.0 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: LDR 400 FE
 Analysis started at: 9/18/2025 9:21:26 PM
 Rack: 3
 Vial: 8
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0019 ppm	0.0249 ppm	-0.0010 ppm	0.0024 ppm	0.0003 ppm	0.0000 ppm	0.0039 ppm
Concentration per Run	0.0021 ppm	0.0230 ppm	-0.0013 ppm	0.0017 ppm	0.0003 ppm	0.0000 ppm	0.0034 ppm
Concentration per Run	0.0018 ppm	0.0244 ppm	-0.0014 ppm	0.0028 ppm	0.0004 ppm	0.0000 ppm	0.0052 ppm
Concentration per Run	0.0016 ppm	0.0274 ppm	-0.0004 ppm	0.0027 ppm	0.0003 ppm	0.0000 ppm	0.0031 ppm
Concentration RSD	14.3 %	9.0 %	54.2 %	27.1 %	14.6 %	23.1 %	29.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0010 ppm	-0.0014 ppm	-0.0016 ppm	0.0074 ppm	360.6274 ppm	-0.0591 ppm	0.0004 ppm
Concentration per Run	0.0010 ppm	-0.0016 ppm	-0.0016 ppm	0.0078 ppm	361.3213 ppm	-0.0510 ppm	0.0008 ppm
Concentration per Run	0.0010 ppm	-0.0012 ppm	-0.0012 ppm	0.0075 ppm	361.3452 ppm	-0.0668 ppm	-0.0001 ppm
Concentration per Run	0.0010 ppm	-0.0014 ppm	-0.0019 ppm	0.0069 ppm	359.2156 ppm	-0.0596 ppm	0.0004 ppm
Concentration RSD	2.8 %	16.8 %	20.7 %	5.9 %	0.3 %	13.3 %	128.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0154 ppm	0.0003 ppm	0.0002 ppm	0.0055 ppm	-0.0020 ppm	-0.0025 ppm	0.0028 ppm
Concentration per Run	-0.0137 ppm	0.0002 ppm	-0.0001 ppm	0.0055 ppm	-0.0026 ppm	-0.0024 ppm	0.0057 ppm
Concentration per Run	-0.0152 ppm	0.0004 ppm	0.0003 ppm	0.0025 ppm	-0.0013 ppm	-0.0026 ppm	0.0003 ppm
Concentration per Run	-0.0173 ppm	0.0004 ppm	0.0005 ppm	0.0085 ppm	-0.0022 ppm	-0.0024 ppm	0.0022 ppm
Concentration RSD	11.6 %	35.3 %	139.1 %	54.0 %	34.1 %	5.6 %	99.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0007 ppm	-0.0039 ppm	0.0016 ppm	0.0003 ppm	0.0004 ppm	0.0004 ppm	0.0020 ppm
Concentration per Run	0.0024 ppm	-0.0024 ppm	0.0016 ppm	0.0002 ppm	0.0004 ppm	-0.0002 ppm	0.0019 ppm
Concentration per Run	0.0003 ppm	-0.0046 ppm	0.0017 ppm	0.0003 ppm	0.0004 ppm	0.0012 ppm	0.0019 ppm
Concentration per Run	-0.0007 ppm	-0.0046 ppm	0.0015 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0022 ppm
Concentration RSD	229.5 %	32.9 %	6.2 %	8.7 %	38.7 %	188.4 %	9.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0008 ppm	97.5631 %	101.5028 %	90.0377 %	96.3201 %	101.4485 %	95.7337 %
Concentration per Run	-0.0008 ppm	97.3292 %	101.2916 %	89.6894 %	96.3127 %	101.1946 %	95.4389 %
Concentration per Run	-0.0008 ppm	97.9567 %	101.8051 %	89.9597 %	96.9733 %	102.1963 %	95.8213 %
Concentration per Run	-0.0008 ppm	97.4033 %	101.4118 %	90.4640 %	95.6743 %	100.9546 %	95.9409 %
Concentration RSD	4.2 %	0.4 %	0.3 %	0.4 %	0.7 %	0.6 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557446-13d2 WG2115685
 Analysis started at: 9/18/2025 9:27:17 PM
 Rack: 2
 Vial: 43
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	142.9850 ppm	0.0691 ppm	0.0030 ppm	0.6615 ppm	0.0052 ppm	3.7477 ppm
Concentration per Run	0.0002 ppm	142.7671 ppm	0.0683 ppm	0.0041 ppm	0.6598 ppm	0.0053 ppm	3.7641 ppm
Concentration per Run	0.0007 ppm	142.2472 ppm	0.0696 ppm	0.0024 ppm	0.6631 ppm	0.0052 ppm	3.7195 ppm
Concentration per Run	0.0026 ppm	143.9407 ppm	0.0695 ppm	0.0026 ppm	0.6614 ppm	0.0053 ppm	3.7596 ppm
Concentration RSD	109.3 %	0.6 %	1.0 %	30.2 %	0.3 %	0.8 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0028 ppm	0.1973 ppm	0.2126 ppm	0.5986 ppm	368.3953 ppm	9.2609 ppm	0.3029 ppm
Concentration per Run	0.0029 ppm	0.1991 ppm	0.2136 ppm	0.5988 ppm	369.2859 ppm	9.2360 ppm	0.3047 ppm
Concentration per Run	0.0027 ppm	0.1964 ppm	0.2130 ppm	0.6018 ppm	366.2227 ppm	9.2367 ppm	0.3019 ppm
Concentration per Run	0.0029 ppm	0.1965 ppm	0.2113 ppm	0.5953 ppm	369.6774 ppm	9.3099 ppm	0.3022 ppm
Concentration RSD	4.0 %	0.8 %	0.6 %	0.5 %	0.5 %	0.5 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	48.5731 ppm	11.7843 ppm	0.0082 ppm	0.1363 ppm	0.4000 ppm	0.2243 ppm	0.0050 ppm
Concentration per Run	48.9500 ppm	11.7892 ppm	0.0084 ppm	0.1401 ppm	0.4027 ppm	0.2249 ppm	0.0050 ppm
Concentration per Run	48.5339 ppm	11.7133 ppm	0.0085 ppm	0.1339 ppm	0.3999 ppm	0.2243 ppm	0.0051 ppm
Concentration per Run	48.2354 ppm	11.8505 ppm	0.0078 ppm	0.1350 ppm	0.3973 ppm	0.2238 ppm	0.0049 ppm
Concentration RSD	0.7 %	0.6 %	4.0 %	2.4 %	0.7 %	0.3 %	2.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0024 ppm	4.5539 ppm	0.0061 ppm	0.0164 ppm	0.3424 ppm	-0.0066 ppm	0.2242 ppm
Concentration per Run	-0.0021 ppm	4.5775 ppm	0.0057 ppm	0.0163 ppm	0.3431 ppm	-0.0069 ppm	0.2255 ppm
Concentration per Run	-0.0014 ppm	4.5653 ppm	0.0061 ppm	0.0163 ppm	0.3408 ppm	-0.0077 ppm	0.2242 ppm
Concentration per Run	-0.0038 ppm	4.5190 ppm	0.0066 ppm	0.0165 ppm	0.3434 ppm	-0.0052 ppm	0.2228 ppm
Concentration RSD	51.8 %	0.7 %	7.1 %	0.7 %	0.4 %	19.2 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2315 ppm	101.8025 %	104.5601 %	90.8767 %	136.7079 %	148.8145 %	138.1578 %
Concentration per Run	1.2389 ppm	101.1626 %	104.0786 %	90.4090 %	136.4925 %	148.8192 %	137.4422 %
Concentration per Run	1.2314 ppm	101.7135 %	105.0610 %	90.9396 %	136.8547 %	148.2358 %	138.1728 %
Concentration per Run	1.2241 ppm	102.5313 %	104.5407 %	91.2816 %	136.7765 %	149.3885 %	138.8582 %
Concentration RSD	0.6 %	0.7 %	0.5 %	0.5 %	0.1 %	0.4 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115685-3d2 WG2115685
 Analysis started at: 9/18/2025 9:30:47 PM
 Rack: 2
 Vial: 44
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0517 ppm	144.6177 ppm	0.1394 ppm	0.9021 ppm	2.5704 ppm	0.0554 ppm	13.3914 ppm
Concentration per Run	0.0526 ppm	144.8371 ppm	0.1391 ppm	0.8953 ppm	2.5802 ppm	0.0554 ppm	13.3511 ppm
Concentration per Run	0.0516 ppm	144.5999 ppm	0.1389 ppm	0.9059 ppm	2.5649 ppm	0.0554 ppm	13.5024 ppm
Concentration per Run	0.0510 ppm	144.4160 ppm	0.1401 ppm	0.9051 ppm	2.5661 ppm	0.0552 ppm	13.3207 ppm
Concentration RSD	1.5 %	0.1 %	0.5 %	0.7 %	0.3 %	0.3 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0536 ppm	0.6342 ppm	0.4120 ppm	0.7933 ppm	332.3187 ppm	14.5454 ppm	0.2950 ppm
Concentration per Run	0.0533 ppm	0.6325 ppm	0.4124 ppm	0.7901 ppm	332.6635 ppm	14.5962 ppm	0.2950 ppm
Concentration per Run	0.0542 ppm	0.6372 ppm	0.4143 ppm	0.7931 ppm	333.8700 ppm	14.5437 ppm	0.2965 ppm
Concentration per Run	0.0533 ppm	0.6329 ppm	0.4093 ppm	0.7967 ppm	330.4227 ppm	14.4963 ppm	0.2935 ppm
Concentration RSD	1.0 %	0.4 %	0.6 %	0.4 %	0.5 %	0.3 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	60.4289 ppm	10.6556 ppm	0.8792 ppm	10.6717 ppm	0.8929 ppm	0.7453 ppm	0.1720 ppm
Concentration per Run	60.1733 ppm	10.6541 ppm	0.8739 ppm	10.6647 ppm	0.8900 ppm	0.7438 ppm	0.1672 ppm
Concentration per Run	60.7874 ppm	10.6964 ppm	0.8832 ppm	10.6655 ppm	0.8994 ppm	0.7495 ppm	0.1790 ppm
Concentration per Run	60.3259 ppm	10.6164 ppm	0.8805 ppm	10.6848 ppm	0.8894 ppm	0.7427 ppm	0.1698 ppm
Concentration RSD	0.5 %	0.4 %	0.5 %	0.1 %	0.6 %	0.5 %	3.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0590 ppm	7.1070 ppm	0.9082 ppm	1.0219 ppm	0.9910 ppm	0.1117 ppm	0.6993 ppm
Concentration per Run	0.0593 ppm	7.0141 ppm	0.9054 ppm	1.0179 ppm	0.9900 ppm	0.1103 ppm	0.6958 ppm
Concentration per Run	0.0590 ppm	7.2051 ppm	0.9175 ppm	1.0250 ppm	0.9908 ppm	0.1118 ppm	0.7022 ppm
Concentration per Run	0.0587 ppm	7.1016 ppm	0.9018 ppm	1.0227 ppm	0.9921 ppm	0.1132 ppm	0.7000 ppm
Concentration RSD	0.5 %	1.3 %	0.9 %	0.4 %	0.1 %	1.3 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.7632 ppm	99.7857 %	102.3352 %	87.6478 %	132.4225 %	143.9995 %	132.7477 %
Concentration per Run	1.7683 ppm	100.1785 %	102.4715 %	87.7624 %	132.1374 %	143.5524 %	132.7547 %
Concentration per Run	1.7693 ppm	99.3695 %	101.1966 %	87.5076 %	132.0222 %	143.4294 %	133.0949 %
Concentration per Run	1.7519 ppm	99.8090 %	103.3376 %	87.6734 %	133.1077 %	145.0168 %	132.3937 %
Concentration RSD	0.6 %	0.4 %	1.1 %	0.1 %	0.5 %	0.6 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115685-4d2 WG2115685
 Analysis started at: 9/18/2025 9:34:14 PM
 Rack: 2
 Vial: 45
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0015 ppm	141.7130 ppm	0.0607 ppm	0.0060 ppm	0.6680 ppm	0.0054 ppm	4.0831 ppm
Concentration per Run	0.0017 ppm	141.0733 ppm	0.0597 ppm	0.0063 ppm	0.6633 ppm	0.0054 ppm	4.1003 ppm
Concentration per Run	0.0009 ppm	142.5115 ppm	0.0607 ppm	0.0051 ppm	0.6745 ppm	0.0053 ppm	4.0690 ppm
Concentration per Run	0.0018 ppm	141.5543 ppm	0.0616 ppm	0.0066 ppm	0.6661 ppm	0.0054 ppm	4.0798 ppm
Concentration RSD	34.3 %	0.5 %	1.6 %	13.2 %	0.9 %	0.4 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0032 ppm	0.3721 ppm	0.2228 ppm	1.0088 ppm	401.9427 [SIC 500]	11.2042 ppm	0.2801 ppm
Concentration per Run	0.0035 ppm	0.3704 ppm	0.2220 ppm	1.0056 ppm	401.1362 ppm	11.1211 ppm	0.2802 ppm
Concentration per Run	0.0031 ppm	0.3741 ppm	0.2240 ppm	1.0115 ppm	402.0050 ppm	11.3366 ppm	0.2793 ppm
Concentration per Run	0.0032 ppm	0.3718 ppm	0.2225 ppm	1.0093 ppm	402.6867 ppm	11.1550 ppm	0.2808 ppm
Concentration RSD	6.4 %	0.5 %	0.5 %	0.3 %	0.2 %	1.0 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	50.2825 ppm	13.0010 ppm	0.0119 ppm	0.1475 ppm	0.4278 ppm	0.2305 ppm	0.0044 ppm
Concentration per Run	50.0497 ppm	12.9880 ppm	0.0123 ppm	0.1481 ppm	0.4262 ppm	0.2314 ppm	0.0048 ppm
Concentration per Run	50.6459 ppm	13.0338 ppm	0.0117 ppm	0.1463 ppm	0.4328 ppm	0.2296 ppm	0.0033 ppm
Concentration per Run	50.1520 ppm	12.9812 ppm	0.0117 ppm	0.1482 ppm	0.4243 ppm	0.2305 ppm	0.0050 ppm
Concentration RSD	0.6 %	0.2 %	3.0 %	0.7 %	1.0 %	0.4 %	20.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0020 ppm	4.7925 ppm	0.0063 ppm	0.0159 ppm	0.4493 ppm	-0.0061 ppm	0.2236 ppm
Concentration per Run	0.0005 ppm	4.7427 ppm	0.0060 ppm	0.0158 ppm	0.4474 ppm	-0.0082 ppm	0.2223 ppm
Concentration per Run	-0.0044 ppm	4.8358 ppm	0.0063 ppm	0.0160 ppm	0.4501 ppm	-0.0050 ppm	0.2248 ppm
Concentration per Run	-0.0021 ppm	4.7991 ppm	0.0067 ppm	0.0159 ppm	0.4505 ppm	-0.0050 ppm	0.2236 ppm
Concentration RSD	124.1 %	1.0 %	5.6 %	0.7 %	0.4 %	29.9 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2623 ppm	97.7844 %	95.7955 %	91.3046 %	128.8769 %	133.6145 %	133.4842 %
Concentration per Run	1.2541 ppm	98.1377 %	95.7062 %	91.2963 %	128.6548 %	134.6847 %	133.4250 %
Concentration per Run	1.2743 ppm	97.3047 %	96.1308 %	91.4100 %	128.3132 %	132.4978 %	133.7987 %
Concentration per Run	1.2584 ppm	97.9108 %	95.5495 %	91.2075 %	129.6627 %	133.6609 %	133.2287 %
Concentration RSD	0.8 %	0.4 %	0.3 %	0.1 %	0.5 %	0.8 %	0.2 %

ICP DataTrace 8

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LabBook: WG2116354_09182025T8.imexp

Sample: WG2115685-5d2 WG2115685
 Analysis started at: 9/18/2025 9:37:42 PM
 Rack: 2
 Vial: 46
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0501 ppm	147.0622 ppm	0.1881 ppm	0.9707 ppm	2.4717 ppm	0.0556 ppm	14.9002 ppm
Concentration per Run	0.0507 ppm	147.0752 ppm	0.1877 ppm	0.9722 ppm	2.4854 ppm	0.0557 ppm	14.8813 ppm
Concentration per Run	0.0499 ppm	147.4378 ppm	0.1861 ppm	0.9738 ppm	2.4654 ppm	0.0555 ppm	14.9945 ppm
Concentration per Run	0.0497 ppm	146.6737 ppm	0.1907 ppm	0.9661 ppm	2.4644 ppm	0.0554 ppm	14.8249 ppm
Concentration RSD	1.0 %	0.3 %	1.2 %	0.4 %	0.5 %	0.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0583 ppm	0.6996 ppm	0.4245 ppm	0.8338 ppm	395.0972 ppm	19.7438 ppm	0.2864 ppm
Concentration per Run	0.0584 ppm	0.7005 ppm	0.4257 ppm	0.8319 ppm	396.7613 ppm	19.8256 ppm	0.2868 ppm
Concentration per Run	0.0584 ppm	0.6981 ppm	0.4262 ppm	0.8345 ppm	395.9196 ppm	19.7274 ppm	0.2873 ppm
Concentration per Run	0.0582 ppm	0.7002 ppm	0.4217 ppm	0.8350 ppm	392.6105 ppm	19.6783 ppm	0.2850 ppm
Concentration RSD	0.2 %	0.2 %	0.6 %	0.2 %	0.6 %	0.4 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	64.3540 ppm	12.8802 ppm	1.0214 ppm	10.5903 ppm	0.9328 ppm	0.7607 ppm	0.5093 ppm
Concentration per Run	64.5504 ppm	12.8663 ppm	1.0213 ppm	10.6308 ppm	0.9328 ppm	0.7548 ppm	0.5082 ppm
Concentration per Run	64.2072 ppm	12.9189 ppm	1.0209 ppm	10.6416 ppm	0.9355 ppm	0.7699 ppm	0.5141 ppm
Concentration per Run	64.3043 ppm	12.8554 ppm	1.0219 ppm	10.4985 ppm	0.9301 ppm	0.7573 ppm	0.5057 ppm
Concentration RSD	0.3 %	0.3 %	0.0 %	0.8 %	0.3 %	1.1 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1140 ppm	6.1031 ppm	1.0110 [SIC 50]	0.9808 ppm	1.3367 ppm	0.1107 ppm	0.7383 ppm
Concentration per Run	0.1155 ppm	6.0910 ppm	1.0140 ppm	0.9791 ppm	1.3373 ppm	0.1096 ppm	0.7372 ppm
Concentration per Run	0.1126 ppm	6.1211 ppm	1.0139 ppm	0.9839 ppm	1.3375 ppm	0.1126 ppm	0.7377 ppm
Concentration per Run	0.1140 ppm	6.0973 ppm	1.0050 ppm	0.9793 ppm	1.3352 ppm	0.1098 ppm	0.7399 ppm
Concentration RSD	1.3 %	0.3 %	0.5 %	0.3 %	0.1 %	1.5 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.8863 ppm	94.2125 %	87.6174 %	89.7487 %	126.0613 %	123.9374 %	132.7602 %
Concentration per Run	1.8965 ppm	94.3469 %	87.9240 %	89.9839 %	125.7021 %	124.2254 %	132.8143 %
Concentration per Run	1.8840 ppm	93.9791 %	86.4033 %	89.2537 %	125.8415 %	123.0687 %	132.2665 %
Concentration per Run	1.8784 ppm	94.3115 %	88.5248 %	90.0085 %	126.6404 %	124.5181 %	133.2000 %
Concentration RSD	0.5 %	0.2 %	1.2 %	0.5 %	0.4 %	0.6 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115685-6d10 WG2115685
 Analysis started at: 9/18/2025 9:41:09 PM
 Rack: 2
 Vial: 47
 Comment:

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	30.3006 ppm	0.0136 ppm	0.0028 ppm	0.1327 ppm	0.0011 ppm	0.8557 ppm
Concentration per Run	0.0001 ppm	30.2233 ppm	0.0143 ppm	0.0027 ppm	0.1324 ppm	0.0011 ppm	0.8544 ppm
Concentration per Run	-0.0004 ppm	30.4210 ppm	0.0140 ppm	0.0031 ppm	0.1334 ppm	0.0011 ppm	0.8573 ppm
Concentration per Run	0.0002 ppm	30.2574 ppm	0.0124 ppm	0.0028 ppm	0.1324 ppm	0.0011 ppm	0.8555 ppm
Concentration RSD	1,160.1 %	0.3 %	7.5 %	8.2 %	0.4 %	1.3 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0008 ppm	0.0451 ppm	0.0464 ppm	0.1178 ppm	90.3841 ppm	1.9594 ppm	0.0594 ppm
Concentration per Run	0.0008 ppm	0.0454 ppm	0.0467 ppm	0.1176 ppm	90.3502 ppm	1.9631 ppm	0.0591 ppm
Concentration per Run	0.0008 ppm	0.0449 ppm	0.0465 ppm	0.1175 ppm	90.4816 ppm	1.9684 ppm	0.0595 ppm
Concentration per Run	0.0009 ppm	0.0450 ppm	0.0460 ppm	0.1183 ppm	90.3204 ppm	1.9469 ppm	0.0596 ppm
Concentration RSD	6.8 %	0.5 %	0.8 %	0.4 %	0.1 %	0.6 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	11.5856 ppm	2.6725 ppm	0.0065 ppm	0.0539 ppm	0.0907 ppm	0.0474 ppm	0.0042 ppm
Concentration per Run	11.6073 ppm	2.6752 ppm	0.0063 ppm	0.0569 ppm	0.0899 ppm	0.0482 ppm	0.0079 ppm
Concentration per Run	11.5964 ppm	2.6655 ppm	0.0069 ppm	0.0520 ppm	0.0919 ppm	0.0479 ppm	-0.0005 ppm
Concentration per Run	11.5529 ppm	2.6768 ppm	0.0064 ppm	0.0528 ppm	0.0903 ppm	0.0461 ppm	0.0050 ppm
Concentration RSD	0.2 %	0.2 %	5.2 %	4.9 %	1.1 %	2.4 %	103.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0013 ppm	0.9503 ppm	0.0025 ppm	0.0032 ppm	0.0716 ppm	-0.0005 ppm	0.0467 ppm
Concentration per Run	-0.0020 ppm	0.9499 ppm	0.0024 ppm	0.0031 ppm	0.0714 ppm	-0.0014 ppm	0.0468 ppm
Concentration per Run	-0.0013 ppm	0.9510 ppm	0.0026 ppm	0.0033 ppm	0.0718 ppm	0.0003 ppm	0.0470 ppm
Concentration per Run	-0.0006 ppm	0.9501 ppm	0.0024 ppm	0.0031 ppm	0.0715 ppm	-0.0003 ppm	0.0463 ppm
Concentration RSD	54.8 %	0.1 %	5.1 %	3.6 %	0.2 %	186.6 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2924 ppm	98.8194 %	86.6588 %	102.3271 %	105.1612 %	97.1526 %	110.1649 %
Concentration per Run	0.2915 ppm	99.0967 %	87.1171 %	102.1660 %	105.5980 %	97.4760 %	110.1648 %
Concentration per Run	0.2916 ppm	98.5614 %	86.5087 %	102.1442 %	105.0158 %	96.8491 %	109.8394 %
Concentration per Run	0.2942 ppm	98.8000 %	86.3506 %	102.6711 %	104.8696 %	97.1327 %	110.4905 %
Concentration RSD	0.5 %	0.3 %	0.5 %	0.3 %	0.4 %	0.3 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2556719-23d4 WG2114901
 Analysis started at: 9/18/2025 9:44:38 PM
 Rack: 3
 Vial: 7
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0006 ppm	40.3534 ppm	0.0422 ppm	0.0258 ppm	0.3438 ppm	0.0022 ppm	429.0551 ppm
Concentration per Run	0.0010 ppm	40.2800 ppm	0.0414 ppm	0.0272 ppm	0.3401 ppm	0.0022 ppm	429.7139 ppm
Concentration per Run	0.0004 ppm	40.4490 ppm	0.0406 ppm	0.0264 ppm	0.3449 ppm	0.0022 ppm	430.4014 ppm
Concentration per Run	0.0003 ppm	40.3313 ppm	0.0445 ppm	0.0239 ppm	0.3463 ppm	0.0022 ppm	427.0499 ppm
Concentration RSD	67.0 %	0.2 %	4.8 %	6.6 %	0.9 %	0.7 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0027 ppm	0.0308 ppm	0.0587 ppm	0.1592 ppm	77.0416 ppm	5.1598 ppm	0.0521 ppm
Concentration per Run	-0.0027 ppm	0.0304 ppm	0.0586 ppm	0.1585 ppm	77.0296 ppm	5.1597 ppm	0.0536 ppm
Concentration per Run	-0.0028 ppm	0.0310 ppm	0.0588 ppm	0.1600 ppm	77.0342 ppm	5.1621 ppm	0.0496 ppm
Concentration per Run	-0.0027 ppm	0.0310 ppm	0.0587 ppm	0.1591 ppm	77.0610 ppm	5.1577 ppm	0.0530 ppm
Concentration RSD	2.3 %	1.0 %	0.2 %	0.5 %	0.0 %	0.0 %	4.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	214.5882 ppm	3.4483 ppm	0.0045 ppm	0.8758 ppm	0.0649 ppm	0.2748 ppm	0.0017 ppm
Concentration per Run	214.1579 ppm	3.4568 ppm	0.0049 ppm	0.8718 ppm	0.0643 ppm	0.2752 ppm	0.0029 ppm
Concentration per Run	214.6513 ppm	3.4404 ppm	0.0046 ppm	0.8834 ppm	0.0652 ppm	0.2758 ppm	0.0024 ppm
Concentration per Run	214.9554 ppm	3.4477 ppm	0.0040 ppm	0.8723 ppm	0.0652 ppm	0.2734 ppm	-0.0003 ppm
Concentration RSD	0.2 %	0.2 %	9.5 %	0.8 %	0.8 %	0.5 %	103.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0019 ppm	2.5861 ppm	0.0107 ppm	0.2392 ppm	0.3893 ppm	-0.0007 ppm	0.0865 ppm
Concentration per Run	0.0028 ppm	2.5754 ppm	0.0104 ppm	0.2383 ppm	0.3883 ppm	-0.0012 ppm	0.0862 ppm
Concentration per Run	0.0023 ppm	2.5919 ppm	0.0107 ppm	0.2390 ppm	0.3888 ppm	-0.0002 ppm	0.0867 ppm
Concentration per Run	0.0007 ppm	2.5910 ppm	0.0109 ppm	0.2405 ppm	0.3910 ppm	-0.0007 ppm	0.0866 ppm
Concentration RSD	56.7 %	0.4 %	2.3 %	0.5 %	0.4 %	76.1 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8418 ppm	91.1103 %	85.6273 %	87.1501 %	101.7935 %	96.9319 %	105.5742 %
Concentration per Run	0.8396 ppm	91.1216 %	85.3113 %	87.1771 %	101.4793 %	96.5593 %	105.6087 %
Concentration per Run	0.8409 ppm	90.9664 %	85.4186 %	87.2478 %	101.9451 %	97.2690 %	105.7994 %
Concentration per Run	0.8450 ppm	91.2430 %	86.1519 %	87.0253 %	101.9560 %	96.9674 %	105.3144 %
Concentration RSD	0.3 %	0.2 %	0.5 %	0.1 %	0.3 %	0.4 %	0.2 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
 Analysis started at: 9/18/2025 9:48:06 PM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4961 ppm	0.4943 ppm	0.4551 ppm	0.5047 ppm	0.4852 ppm	0.5235 ppm	0.5554 ppm
Concentration per Run	0.4961 ppm	0.4922 ppm	0.4577 ppm	0.5058 ppm	0.4835 ppm	0.5208 ppm	0.5565 ppm
Concentration per Run	0.4952 ppm	0.4963 ppm	0.4540 ppm	0.5040 ppm	0.4870 ppm	0.5241 ppm	0.5557 ppm
Concentration per Run	0.4969 ppm	0.4945 ppm	0.4536 ppm	0.5043 ppm	0.4852 ppm	0.5257 ppm	0.5540 ppm
Recovery Percentage	99.218 %	98.868 %	91.018 %	100.938 %	97.041 %	104.704 %	111.084 %
Concentration RSD	0.2 %	0.4 %	0.5 %	0.2 %	0.4 %	0.5 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5544 ppm	0.5362 ppm	0.5295 ppm	0.5044 ppm	0.5437 ppm	5.2823 ppm	0.5104 ppm
Concentration per Run	0.5547 ppm	0.5360 ppm	0.5308 ppm	0.5035 ppm	0.5411 ppm	5.2598 ppm	0.5114 ppm
Concentration per Run	0.5531 ppm	0.5355 ppm	0.5291 ppm	0.5042 ppm	0.5459 ppm	5.2903 ppm	0.5088 ppm
Concentration per Run	0.5553 ppm	0.5371 ppm	0.5287 ppm	0.5054 ppm	0.5439 ppm	5.2968 ppm	0.5112 ppm
Recovery Percentage	110.880 %	107.240 %	105.906 %	100.871 %	108.731 %	105.646 %	102.089 %
Concentration RSD	0.2 %	0.1 %	0.2 %	0.2 %	0.4 %	0.4 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5685 ppm	0.5433 ppm	0.5124 ppm	10.3897 ppm	0.5421 ppm	0.4969 ppm	0.5183 ppm
Concentration per Run	0.5701 ppm	0.5406 ppm	0.5106 ppm	10.3410 ppm	0.5414 ppm	0.4972 ppm	0.5203 ppm
Concentration per Run	0.5669 ppm	0.5445 ppm	0.5115 ppm	10.4102 ppm	0.5418 ppm	0.4959 ppm	0.5162 ppm
Concentration per Run	0.5684 ppm	0.5446 ppm	0.5151 ppm	10.4178 ppm	0.5432 ppm	0.4975 ppm	0.5184 ppm
Recovery Percentage	113.700 %	108.651 %	102.479 %	103.897 %	108.421 %	99.372 %	103.663 %
Concentration RSD	0.3 %	0.4 %	0.5 %	0.4 %	0.2 %	0.2 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4587 ppm	5.5097 ppm	0.5408 ppm	0.5004 ppm	0.5110 ppm	0.4941 ppm	0.5226 ppm
Concentration per Run	0.4596 ppm	5.4844 ppm	0.5407 ppm	0.4994 ppm	0.5114 ppm	0.4936 ppm	0.5228 ppm
Concentration per Run	0.4579 ppm	5.5146 ppm	0.5414 ppm	0.5016 ppm	0.5103 ppm	0.4942 ppm	0.5217 ppm
Concentration per Run	0.4586 ppm	5.5301 ppm	0.5402 ppm	0.5001 ppm	0.5113 ppm	0.4947 ppm	0.5233 ppm
Recovery Percentage	91.739 %	104.946 %	108.154 %	100.070 %	102.195 %	98.827 %	104.521 %
Concentration RSD	0.2 %	0.4 %	0.1 %	0.2 %	0.1 %	0.1 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5524 ppm	101.8147 %	89.1467 %	104.7742 %	100.5019 %	88.6050 %	103.3128 %
Concentration per Run	0.5559 ppm	101.7465 %	89.9321 %	104.6418 %	100.3530 %	89.7741 %	103.1920 %
Concentration per Run	0.5504 ppm	102.1110 %	88.5669 %	104.9553 %	100.8295 %	87.8543 %	103.6937 %
Concentration per Run	0.5508 ppm	101.5864 %	88.9412 %	104.7256 %	100.3231 %	88.1866 %	103.0526 %
Recovery Percentage	110.472 %						
Concentration RSD	0.6 %	0.3 %	0.8 %	0.2 %	0.3 %	1.2 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 9:51:33 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0060 ppm	0.0010 ppm	0.0021 ppm	0.0001 ppm	0.0001 ppm	0.0052 ppm
Concentration per Run	-0.0003 ppm	-0.0056 ppm	0.0005 ppm	0.0022 ppm	0.0001 ppm	0.0001 ppm	0.0046 ppm
Concentration per Run	0.0000 ppm	-0.0035 ppm	0.0009 ppm	0.0025 ppm	0.0000 ppm	0.0001 ppm	0.0049 ppm
Concentration per Run	0.0001 ppm	-0.0089 ppm	0.0016 ppm	0.0017 ppm	0.0001 ppm	0.0000 ppm	0.0061 ppm
Recovery Percentage	-1.642 %	-5.980 %	19.768 %	7.095 %	0.579 %	1.369 %	5.219 %
Concentration RSD	258.3 %	45.1 %	54.1 %	19.0 %	103.1 %	57.3 %	15.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	-0.0001 ppm	-0.0003 ppm	0.0098 ppm	0.0215 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0001 ppm	-0.0003 ppm	0.0095 ppm	0.0249 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	-0.0002 ppm	-0.0004 ppm	0.0105 ppm	0.0193 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	-0.0002 ppm	-0.0001 ppm	0.0094 ppm	0.0204 ppm	0.0001 ppm
Recovery Percentage	2.971 %	5.566 %	-0.809 %	-2.672 %	19.642 %	0.862 %	-0.429 %
Concentration RSD	15.0 %	32.6 %	216.7 %	54.2 %	6.0 %	13.8 %	348.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0008 ppm	0.0000 ppm	0.0040 ppm	0.0053 ppm	0.0003 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run	0.0013 ppm	0.0000 ppm	0.0041 ppm	0.0027 ppm	0.0010 ppm	-0.0003 ppm	-0.0011 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0043 ppm	0.0055 ppm	0.0000 ppm	-0.0009 ppm	0.0016 ppm
Concentration per Run	0.0011 ppm	0.0001 ppm	0.0035 ppm	0.0077 ppm	-0.0001 ppm	-0.0006 ppm	-0.0005 ppm
Recovery Percentage	0.793 %	0.280 %	7.947 %	0.265 %	1.094 %	-5.839 %	0.023 %
Concentration RSD	92.1 %	309.7 %	9.7 %	47.5 %	217.3 %	53.6 %	12,580.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0025 ppm	-0.0011 ppm	0.0008 ppm	0.0001 ppm	0.0006 ppm	0.0014 ppm	-0.0001 ppm
Concentration per Run	0.0025 ppm	-0.0006 ppm	0.0008 ppm	0.0001 ppm	0.0005 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0023 ppm	-0.0018 ppm	0.0008 ppm	0.0001 ppm	0.0007 ppm	0.0016 ppm	-0.0002 ppm
Concentration per Run	0.0026 ppm	-0.0009 ppm	0.0008 ppm	0.0000 ppm	0.0005 ppm	0.0019 ppm	-0.0001 ppm
Recovery Percentage	24.840 %	-0.220 %	1.587 %	0.961 %	5.852 %	7.243 %	-0.602 %
Concentration RSD	7.1 %	54.9 %	3.4 %	48.5 %	15.5 %	36.1 %	182.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	100.1129 %	88.2459 %	105.8876 %	100.8811 %	89.2370 %	103.7007 %
Concentration per Run	0.0002 ppm	100.2421 %	88.2073 %	105.8250 %	101.1757 %	89.2589 %	103.7761 %
Concentration per Run	0.0002 ppm	100.3413 %	88.2783 %	106.1427 %	101.0789 %	89.2937 %	103.7748 %
Concentration per Run	0.0003 ppm	99.7553 %	88.2522 %	105.6950 %	100.3887 %	89.1582 %	103.5514 %
Recovery Percentage	4.321 %						
Concentration RSD	18.1 %	0.3 %	0.0 %	0.2 %	0.4 %	0.1 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
Analysis started at: 9/18/2025 10:03:40 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4995 ppm	0.4904 ppm	0.4526 ppm	0.5085 ppm	0.4885 ppm	0.5256 ppm	0.5387 ppm
Concentration per Run	0.5000 ppm	0.4877 ppm	0.4534 ppm	0.5093 ppm	0.4851 ppm	0.5246 ppm	0.5417 ppm
Concentration per Run	0.4995 ppm	0.4969 ppm	0.4526 ppm	0.5057 ppm	0.4883 ppm	0.5257 ppm	0.5373 ppm
Concentration per Run	0.4989 ppm	0.4864 ppm	0.4519 ppm	0.5106 ppm	0.4920 ppm	0.5267 ppm	0.5370 ppm
Recovery Percentage	99.897 %	98.073 %	90.530 %	101.704 %	97.698 %	105.129 %	107.737 %
Concentration RSD	0.1 %	1.2 %	0.2 %	0.5 %	0.7 %	0.2 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5571 ppm	0.5414 ppm	0.5316 ppm	0.5076 ppm	0.5328 ppm	5.2913 ppm	0.5112 ppm
Concentration per Run	0.5560 ppm	0.5405 ppm	0.5320 ppm	0.5061 ppm	0.5334 ppm	5.2772 ppm	0.5077 ppm
Concentration per Run	0.5558 ppm	0.5413 ppm	0.5299 ppm	0.5070 ppm	0.5318 ppm	5.2844 ppm	0.5148 ppm
Concentration per Run	0.5593 ppm	0.5425 ppm	0.5330 ppm	0.5096 ppm	0.5334 ppm	5.3123 ppm	0.5112 ppm
Recovery Percentage	111.411 %	108.288 %	106.328 %	101.511 %	106.568 %	105.826 %	102.248 %
Concentration RSD	0.4 %	0.2 %	0.3 %	0.4 %	0.2 %	0.4 %	0.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5609 ppm	0.5416 ppm	0.5161 ppm	10.3713 ppm	0.5474 ppm	0.4928 ppm	0.5236 ppm
Concentration per Run	0.5628 ppm	0.5419 ppm	0.5127 ppm	10.3419 ppm	0.5467 ppm	0.4937 ppm	0.5208 ppm
Concentration per Run	0.5589 ppm	0.5413 ppm	0.5144 ppm	10.4239 ppm	0.5461 ppm	0.4928 ppm	0.5202 ppm
Concentration per Run	0.5611 ppm	0.5416 ppm	0.5212 ppm	10.3482 ppm	0.5495 ppm	0.4918 ppm	0.5297 ppm
Recovery Percentage	112.183 %	108.318 %	103.223 %	103.713 %	109.488 %	98.560 %	104.712 %
Concentration RSD	0.3 %	0.1 %	0.9 %	0.4 %	0.3 %	0.2 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4554 ppm	5.5322 ppm	0.5458 ppm	0.5033 ppm	0.5107 ppm	0.4925 ppm	0.5236 ppm
Concentration per Run	0.4539 ppm	5.5037 ppm	0.5421 ppm	0.5001 ppm	0.5101 ppm	0.4909 ppm	0.5234 ppm
Concentration per Run	0.4550 ppm	5.5248 ppm	0.5440 ppm	0.5053 ppm	0.5111 ppm	0.4923 ppm	0.5235 ppm
Concentration per Run	0.4574 ppm	5.5681 ppm	0.5512 ppm	0.5043 ppm	0.5111 ppm	0.4942 ppm	0.5240 ppm
Recovery Percentage	91.086 %	105.376 %	109.152 %	100.650 %	102.150 %	98.496 %	104.726 %
Concentration RSD	0.4 %	0.6 %	0.9 %	0.6 %	0.1 %	0.3 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5576 ppm	100.6469 %	87.8800 %	105.3604 %	99.8057 %	86.7739 %	103.1548 %
Concentration per Run	0.5567 ppm	100.6395 %	87.6535 %	105.0902 %	99.7077 %	87.2153 %	103.1562 %
Concentration per Run	0.5566 ppm	100.6058 %	88.2172 %	105.4198 %	99.8687 %	86.8185 %	103.2985 %
Concentration per Run	0.5595 ppm	100.6954 %	87.7694 %	105.5711 %	99.8406 %	86.2878 %	103.0096 %
Recovery Percentage	111.521 %						
Concentration RSD	0.3 %	0.0 %	0.3 %	0.2 %	0.1 %	0.5 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 10:07:14 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0084 ppm	0.0015 ppm	0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0013 ppm
Concentration per Run	-0.0001 ppm	-0.0120 ppm	0.0000 ppm	0.0008 ppm	0.0002 ppm	0.0001 ppm	0.0016 ppm
Concentration per Run	-0.0002 ppm	-0.0064 ppm	0.0016 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0028 ppm
Concentration per Run	0.0001 ppm	-0.0068 ppm	0.0028 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm
Recovery Percentage	-1.492 %	-8.419 %	29.628 %	3.965 %	0.636 %	1.544 %	1.337 %
Concentration RSD	174.9 %	37.1 %	97.4 %	31.7 %	141.8 %	47.0 %	120.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0039 ppm	0.0078 ppm	0.0000 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	0.0002 ppm	-0.0001 ppm	0.0046 ppm	-0.0015 ppm	0.0004 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0035 ppm	0.0088 ppm	-0.0011 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0036 ppm	0.0160 ppm	0.0005 ppm
Recovery Percentage	4.531 %	1.445 %	-0.023 %	-1.748 %	7.789 %	0.310 %	-0.488 %
Concentration RSD	36.3 %	144.5 %	9,240.4 %	38.0 %	14.8 %	113.6 %	1,794.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0002 ppm	0.0001 ppm	0.0043 ppm	0.0038 ppm	0.0005 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	0.0045 ppm	0.0051 ppm	0.0006 ppm	-0.0006 ppm	0.0034 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0043 ppm	-0.0009 ppm	-0.0002 ppm	-0.0002 ppm	-0.0028 ppm
Concentration per Run	0.0005 ppm	-0.0002 ppm	0.0042 ppm	0.0072 ppm	0.0010 ppm	0.0001 ppm	0.0002 ppm
Recovery Percentage	0.192 %	0.564 %	8.700 %	0.189 %	1.916 %	-2.468 %	0.478 %
Concentration RSD	164.6 %	373.6 %	3.2 %	111.6 %	125.0 %	123.2 %	1,291.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0026 ppm	-0.0032 ppm	0.0013 ppm	0.0001 ppm	0.0004 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run	0.0024 ppm	-0.0028 ppm	0.0014 ppm	0.0001 ppm	0.0005 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0027 ppm	-0.0031 ppm	0.0013 ppm	0.0001 ppm	0.0005 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0027 ppm	-0.0037 ppm	0.0013 ppm	0.0001 ppm	0.0003 ppm	0.0026 ppm	0.0002 ppm
Recovery Percentage	26.032 %	-0.642 %	2.690 %	0.986 %	4.209 %	6.892 %	-0.200 %
Concentration RSD	6.9 %	13.3 %	6.9 %	17.2 %	24.0 %	79.2 %	814.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	99.6870 %	86.6845 %	106.9411 %	100.6082 %	87.9060 %	104.0814 %
Concentration per Run	0.0002 ppm	99.6313 %	86.7746 %	106.4726 %	100.6479 %	87.6956 %	103.4279 %
Concentration per Run	0.0002 ppm	99.7496 %	86.9570 %	107.0213 %	100.5559 %	88.3331 %	104.0421 %
Concentration per Run	-0.0001 ppm	99.6802 %	86.3220 %	107.3294 %	100.6209 %	87.6892 %	104.7741 %
Recovery Percentage	2.176 %						
Concentration RSD	167.9 %	0.1 %	0.4 %	0.4 %	0.0 %	0.4 %	0.6 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: L2557446-13d4 WG2115685
 Analysis started at: 9/18/2025 10:21:19 PM
 Rack: 2
 Vial: 54
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0017 ppm	75.2002 ppm	0.0366 ppm	0.0050 ppm	0.3469 ppm	0.0028 ppm	1.9858 ppm
Concentration per Run	0.0024 ppm	75.1380 ppm	0.0373 ppm	0.0050 ppm	0.3446 ppm	0.0028 ppm	2.0047 ppm
Concentration per Run	0.0012 ppm	75.0171 ppm	0.0355 ppm	0.0057 ppm	0.3430 ppm	0.0028 ppm	1.9732 ppm
Concentration per Run	0.0015 ppm	75.4454 ppm	0.0369 ppm	0.0044 ppm	0.3532 ppm	0.0028 ppm	1.9796 ppm
Concentration RSD	35.6 %	0.3 %	2.5 %	12.4 %	1.6 %	1.0 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0017 ppm	0.1073 ppm	0.1139 ppm	0.3155 ppm	205.9559 ppm	4.8918 ppm	0.1561 ppm
Concentration per Run	0.0019 ppm	0.1071 ppm	0.1138 ppm	0.3159 ppm	207.2932 ppm	4.8965 ppm	0.1576 ppm
Concentration per Run	0.0017 ppm	0.1088 ppm	0.1146 ppm	0.3161 ppm	204.7632 ppm	4.8584 ppm	0.1553 ppm
Concentration per Run	0.0015 ppm	0.1060 ppm	0.1134 ppm	0.3145 ppm	205.8113 ppm	4.9204 ppm	0.1553 ppm
Concentration RSD	10.5 %	1.3 %	0.5 %	0.3 %	0.6 %	0.6 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	26.7571 ppm	6.3011 ppm	0.0080 ppm	0.0846 ppm	0.2173 ppm	0.1169 ppm	0.0005 ppm
Concentration per Run	26.5755 ppm	6.3313 ppm	0.0080 ppm	0.0866 ppm	0.2162 ppm	0.1179 ppm	-0.0023 ppm
Concentration per Run	27.1011 ppm	6.2747 ppm	0.0084 ppm	0.0830 ppm	0.2206 ppm	0.1168 ppm	0.0024 ppm
Concentration per Run	26.5947 ppm	6.2971 ppm	0.0077 ppm	0.0843 ppm	0.2151 ppm	0.1159 ppm	0.0015 ppm
Concentration RSD	1.1 %	0.5 %	4.2 %	2.2 %	1.4 %	0.9 %	463.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0025 ppm	2.9366 ppm	0.0063 ppm	0.0096 ppm	0.1838 ppm	-0.0034 ppm	0.1189 ppm
Concentration per Run	-0.0036 ppm	2.9127 ppm	0.0067 ppm	0.0097 ppm	0.1847 ppm	-0.0032 ppm	0.1184 ppm
Concentration per Run	-0.0013 ppm	2.9575 ppm	0.0064 ppm	0.0096 ppm	0.1855 ppm	-0.0026 ppm	0.1195 ppm
Concentration per Run	-0.0027 ppm	2.9396 ppm	0.0060 ppm	0.0096 ppm	0.1811 ppm	-0.0044 ppm	0.1188 ppm
Concentration RSD	46.7 %	0.8 %	5.3 %	0.7 %	1.3 %	25.7 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6688 ppm	97.5359 %	101.5624 %	90.6031 %	113.0737 %	125.4962 %	115.1008 %
Concentration per Run	0.6686 ppm	98.4206 %	100.8330 %	90.3082 %	113.4953 %	125.5312 %	115.0473 %
Concentration per Run	0.6746 ppm	96.8222 %	101.9526 %	91.1389 %	112.4074 %	125.1140 %	115.7093 %
Concentration per Run	0.6633 ppm	97.3650 %	101.9015 %	90.3622 %	113.3184 %	125.8436 %	114.5458 %
Concentration RSD	0.8 %	0.8 %	0.6 %	0.5 %	0.5 %	0.3 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115685-3d4 WG2115685
 Analysis started at: 9/18/2025 10:25:03 PM
 Rack: 2
 Vial: 55
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0261 ppm	72.9016 ppm	0.0682 ppm	0.4591 ppm	1.2978 ppm	0.0279 ppm	6.9118 ppm
Concentration per Run	0.0259 ppm	72.8158 ppm	0.0668 ppm	0.4617 ppm	1.2961 ppm	0.0279 ppm	6.8935 ppm
Concentration per Run	0.0263 ppm	72.9485 ppm	0.0693 ppm	0.4564 ppm	1.3037 ppm	0.0279 ppm	6.8942 ppm
Concentration per Run	0.0261 ppm	72.9405 ppm	0.0683 ppm	0.4592 ppm	1.2934 ppm	0.0280 ppm	6.9477 ppm
Concentration RSD	0.7 %	0.1 %	1.8 %	0.6 %	0.4 %	0.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0272 ppm	0.3232 ppm	0.2080 ppm	0.3961 ppm	178.7793 ppm	7.2792 ppm	0.1470 ppm
Concentration per Run	0.0274 ppm	0.3230 ppm	0.2083 ppm	0.3976 ppm	178.2847 ppm	7.2680 ppm	0.1480 ppm
Concentration per Run	0.0273 ppm	0.3232 ppm	0.2075 ppm	0.3950 ppm	178.3358 ppm	7.3197 ppm	0.1449 ppm
Concentration per Run	0.0270 ppm	0.3234 ppm	0.2084 ppm	0.3959 ppm	179.7174 ppm	7.2497 ppm	0.1481 ppm
Concentration RSD	0.7 %	0.1 %	0.2 %	0.3 %	0.5 %	0.5 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	31.0803 ppm	5.4978 ppm	0.4353 ppm	5.3779 ppm	0.4544 ppm	0.3695 ppm	0.0840 ppm
Concentration per Run	31.0829 ppm	5.4790 ppm	0.4367 ppm	5.3866 ppm	0.4575 ppm	0.3693 ppm	0.0848 ppm
Concentration per Run	31.1087 ppm	5.5016 ppm	0.4335 ppm	5.3499 ppm	0.4531 ppm	0.3661 ppm	0.0835 ppm
Concentration per Run	31.0492 ppm	5.5128 ppm	0.4356 ppm	5.3972 ppm	0.4525 ppm	0.3731 ppm	0.0836 ppm
Concentration RSD	0.1 %	0.3 %	0.4 %	0.5 %	0.6 %	1.0 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0281 ppm	3.6092 ppm	0.4629 ppm	0.5128 ppm	0.4984 ppm	0.0554 ppm	0.3529 ppm
Concentration per Run	0.0319 ppm	3.6338 ppm	0.4680 ppm	0.5116 ppm	0.4968 ppm	0.0542 ppm	0.3525 ppm
Concentration per Run	0.0289 ppm	3.5882 ppm	0.4584 ppm	0.5117 ppm	0.4984 ppm	0.0559 ppm	0.3536 ppm
Concentration per Run	0.0235 ppm	3.6056 ppm	0.4625 ppm	0.5150 ppm	0.5000 ppm	0.0560 ppm	0.3526 ppm
Concentration RSD	15.1 %	0.6 %	1.0 %	0.4 %	0.3 %	1.8 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9023 ppm	100.4455 %	98.7018 %	92.0376 %	116.0724 %	120.2356 %	116.1885 %
Concentration per Run	0.9079 ppm	100.4394 %	99.2874 %	92.4569 %	116.1866 %	120.8416 %	116.5033 %
Concentration per Run	0.8997 ppm	100.6501 %	98.8128 %	92.4446 %	115.7545 %	118.6666 %	116.2817 %
Concentration per Run	0.8992 ppm	100.2472 %	98.0053 %	91.2112 %	116.2761 %	121.1986 %	115.7805 %
Concentration RSD	0.5 %	0.2 %	0.7 %	0.8 %	0.2 %	1.1 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115685-4d4 WG2115685
 Analysis started at: 9/18/2025 10:28:31 PM
 Rack: 2
 Vial: 56
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	73.4557 ppm	0.0307 ppm	0.0032 ppm	0.3376 ppm	0.0028 ppm	2.2088 ppm
Concentration per Run	0.0017 ppm	73.4937 ppm	0.0322 ppm	0.0028 ppm	0.3394 ppm	0.0028 ppm	2.2149 ppm
Concentration per Run	0.0010 ppm	73.4393 ppm	0.0301 ppm	0.0031 ppm	0.3384 ppm	0.0028 ppm	2.1985 ppm
Concentration per Run	0.0004 ppm	73.4341 ppm	0.0297 ppm	0.0038 ppm	0.3349 ppm	0.0028 ppm	2.2130 ppm
Concentration RSD	63.7 %	0.0 %	4.4 %	17.1 %	0.7 %	0.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0018 ppm	0.1994 ppm	0.1176 ppm	0.5104 ppm	226.4821 ppm	5.7544 ppm	0.1418 ppm
Concentration per Run	0.0020 ppm	0.2000 ppm	0.1184 ppm	0.5119 ppm	226.6427 ppm	5.7851 ppm	0.1431 ppm
Concentration per Run	0.0018 ppm	0.1985 ppm	0.1171 ppm	0.5083 ppm	226.0648 ppm	5.7636 ppm	0.1403 ppm
Concentration per Run	0.0017 ppm	0.1997 ppm	0.1172 ppm	0.5109 ppm	226.7388 ppm	5.7144 ppm	0.1421 ppm
Concentration RSD	8.4 %	0.4 %	0.6 %	0.4 %	0.2 %	0.6 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	27.5545 ppm	7.0045 ppm	0.0063 ppm	0.0799 ppm	0.2295 ppm	0.1215 ppm	0.0049 ppm
Concentration per Run	27.6127 ppm	7.0124 ppm	0.0059 ppm	0.0817 ppm	0.2309 ppm	0.1203 ppm	0.0076 ppm
Concentration per Run	27.5357 ppm	6.9821 ppm	0.0065 ppm	0.0783 ppm	0.2284 ppm	0.1222 ppm	0.0032 ppm
Concentration per Run	27.5151 ppm	7.0189 ppm	0.0064 ppm	0.0798 ppm	0.2292 ppm	0.1221 ppm	0.0040 ppm
Concentration RSD	0.2 %	0.3 %	5.8 %	2.2 %	0.6 %	0.9 %	47.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0003 ppm	2.5704 ppm	0.0039 ppm	0.0079 ppm	0.2303 ppm	-0.0012 ppm	0.1156 ppm
Concentration per Run	-0.0006 ppm	2.5703 ppm	0.0039 ppm	0.0080 ppm	0.2314 ppm	-0.0014 ppm	0.1153 ppm
Concentration per Run	-0.0024 ppm	2.5654 ppm	0.0041 ppm	0.0079 ppm	0.2298 ppm	-0.0007 ppm	0.1157 ppm
Concentration per Run	0.0023 ppm	2.5755 ppm	0.0037 ppm	0.0079 ppm	0.2298 ppm	-0.0016 ppm	0.1159 ppm
Concentration RSD	940.0 %	0.2 %	4.9 %	0.7 %	0.4 %	39.8 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6881 ppm	96.2841 %	87.6012 %	96.0970 %	111.1078 %	107.8745 %	117.7557 %
Concentration per Run	0.6944 ppm	95.9749 %	87.1381 %	96.3767 %	110.3683 %	107.6291 %	117.9186 %
Concentration per Run	0.6844 ppm	96.6233 %	88.3303 %	96.6613 %	111.5190 %	108.0443 %	118.0734 %
Concentration per Run	0.6855 ppm	96.2541 %	87.3353 %	95.2531 %	111.4360 %	107.9502 %	117.2750 %
Concentration RSD	0.8 %	0.3 %	0.7 %	0.8 %	0.6 %	0.2 %	0.4 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115685-5d4 WG2115685
 Analysis started at: 9/18/2025 10:31:59 PM
 Rack: 2
 Vial: 57
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0496 ppm	75.1375 ppm	0.1474 ppm	0.9774 ppm	2.1531 ppm	0.0530 ppm	13.0490 ppm
Concentration per Run	0.0496 ppm	75.1894 ppm	0.1470 ppm	0.9774 ppm	2.1380 ppm	0.0528 ppm	13.0530 ppm
Concentration per Run	0.0496 ppm	75.0925 ppm	0.1482 ppm	0.9818 ppm	2.1517 ppm	0.0529 ppm	13.0548 ppm
Concentration per Run	0.0496 ppm	75.1304 ppm	0.1469 ppm	0.9730 ppm	2.1695 ppm	0.0533 ppm	13.0393 ppm
Concentration RSD	0.0 %	0.1 %	0.5 %	0.5 %	0.7 %	0.5 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0577 ppm	0.6054 ppm	0.3154 ppm	0.5347 ppm	211.3176 ppm	14.9777 ppm	0.1422 ppm
Concentration per Run	0.0576 ppm	0.6048 ppm	0.3169 ppm	0.5369 ppm	209.7594 ppm	14.8537 ppm	0.1411 ppm
Concentration per Run	0.0578 ppm	0.6072 ppm	0.3156 ppm	0.5333 ppm	211.6587 ppm	14.9634 ppm	0.1423 ppm
Concentration per Run	0.0576 ppm	0.6041 ppm	0.3136 ppm	0.5338 ppm	212.5346 ppm	15.1162 ppm	0.1432 ppm
Concentration RSD	0.2 %	0.3 %	0.5 %	0.4 %	0.7 %	0.9 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	38.4783 ppm	6.8449 ppm	1.0134 ppm	10.5382 ppm	0.7332 ppm	0.6409 ppm	0.4280 ppm
Concentration per Run	38.5394 ppm	6.8209 ppm	1.0130 ppm	10.4899 ppm	0.7368 ppm	0.6437 ppm	0.4259 ppm
Concentration per Run	38.6077 ppm	6.8488 ppm	1.0159 ppm	10.5216 ppm	0.7327 ppm	0.6389 ppm	0.4255 ppm
Concentration per Run	38.2879 ppm	6.8650 ppm	1.0113 ppm	10.6030 ppm	0.7299 ppm	0.6402 ppm	0.4326 ppm
Concentration RSD	0.4 %	0.3 %	0.2 %	0.6 %	0.5 %	0.4 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1104 ppm	3.9432 ppm	1.0287 [SIC 50]	0.9714 ppm	1.1667 ppm	0.1133 ppm	0.6252 ppm
Concentration per Run	0.1098 ppm	3.9542 ppm	1.0364 ppm	0.9673 ppm	1.1637 ppm	0.1128 ppm	0.6256 ppm
Concentration per Run	0.1079 ppm	3.9446 ppm	1.0295 ppm	0.9689 ppm	1.1679 ppm	0.1120 ppm	0.6250 ppm
Concentration per Run	0.1136 ppm	3.9309 ppm	1.0201 ppm	0.9779 ppm	1.1686 ppm	0.1150 ppm	0.6251 ppm
Concentration RSD	2.6 %	0.3 %	0.8 %	0.6 %	0.2 %	1.4 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2349 ppm	95.8395 %	86.7612 %	94.9260 %	111.1260 %	106.7759 %	117.6833 %
Concentration per Run	1.2429 ppm	95.7455 %	86.9005 %	94.4574 %	111.2695 %	107.1285 %	117.2642 %
Concentration per Run	1.2356 ppm	95.8641 %	86.8026 %	94.9791 %	110.9052 %	106.4537 %	117.4741 %
Concentration per Run	1.2264 ppm	95.9088 %	86.5807 %	95.3414 %	111.2033 %	106.7455 %	118.3117 %
Concentration RSD	0.7 %	0.1 %	0.2 %	0.5 %	0.2 %	0.3 %	0.5 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: WG2115685-6d20 WG2115685
 Analysis started at: 9/18/2025 10:35:28 PM
 Rack: 2
 Vial: 58
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	15.8608 ppm	0.0064 ppm	0.0024 ppm	0.0700 ppm	0.0006 ppm	0.4301 ppm
Concentration per Run	-0.0001 ppm	15.9217 ppm	0.0073 ppm	0.0021 ppm	0.0700 ppm	0.0006 ppm	0.4295 ppm
Concentration per Run	0.0000 ppm	15.8844 ppm	0.0055 ppm	0.0032 ppm	0.0696 ppm	0.0006 ppm	0.4282 ppm
Concentration per Run	0.0003 ppm	15.7764 ppm	0.0065 ppm	0.0018 ppm	0.0703 ppm	0.0006 ppm	0.4326 ppm
Concentration RSD	476.1 %	0.5 %	14.1 %	30.3 %	0.6 %	1.5 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0003 ppm	0.0230 ppm	0.0235 ppm	0.0597 ppm	46.8774 ppm	1.0341 ppm	0.0303 ppm
Concentration per Run	0.0002 ppm	0.0229 ppm	0.0237 ppm	0.0596 ppm	46.8852 ppm	1.0490 ppm	0.0310 ppm
Concentration per Run	0.0003 ppm	0.0231 ppm	0.0235 ppm	0.0597 ppm	46.7843 ppm	1.0216 ppm	0.0303 ppm
Concentration per Run	0.0005 ppm	0.0231 ppm	0.0234 ppm	0.0598 ppm	46.9626 ppm	1.0317 ppm	0.0296 ppm
Concentration RSD	39.2 %	0.6 %	0.7 %	0.2 %	0.2 %	1.3 %	2.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.9553 ppm	1.3762 ppm	0.0071 ppm	0.0204 ppm	0.0470 ppm	0.0238 ppm	0.0253 ppm
Concentration per Run	5.9953 ppm	1.3806 ppm	0.0076 ppm	0.0208 ppm	0.0472 ppm	0.0237 ppm	0.0297 ppm
Concentration per Run	5.9394 ppm	1.3778 ppm	0.0066 ppm	0.0177 ppm	0.0468 ppm	0.0233 ppm	0.0261 ppm
Concentration per Run	5.9312 ppm	1.3703 ppm	0.0071 ppm	0.0226 ppm	0.0468 ppm	0.0244 ppm	0.0201 ppm
Concentration RSD	0.6 %	0.4 %	6.5 %	12.1 %	0.5 %	2.3 %	19.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0006 ppm	0.5872 ppm	0.0022 ppm	0.0016 ppm	0.0375 ppm	0.0004 ppm	0.0237 ppm
Concentration per Run	-0.0004 ppm	0.5957 ppm	0.0020 ppm	0.0016 ppm	0.0373 ppm	-0.0001 ppm	0.0238 ppm
Concentration per Run	-0.0005 ppm	0.5839 ppm	0.0026 ppm	0.0017 ppm	0.0374 ppm	-0.0001 ppm	0.0237 ppm
Concentration per Run	-0.0010 ppm	0.5819 ppm	0.0020 ppm	0.0016 ppm	0.0376 ppm	0.0014 ppm	0.0237 ppm
Concentration RSD	44.4 %	1.3 %	16.0 %	1.3 %	0.4 %	210.4 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1481 ppm	100.6893 %	89.4589 %	104.5793 %	104.0825 %	92.2635 %	108.1346 %
Concentration per Run	0.1478 ppm	99.7130 %	89.1638 %	104.5152 %	103.7215 %	91.9905 %	108.2890 %
Concentration per Run	0.1476 ppm	100.7327 %	89.2464 %	104.2739 %	104.0964 %	91.6483 %	107.7398 %
Concentration per Run	0.1489 ppm	101.6221 %	89.9665 %	104.9488 %	104.4295 %	93.1516 %	108.3749 %
Concentration RSD	0.5 %	0.9 %	0.5 %	0.3 %	0.3 %	0.9 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
Analysis started at: 9/18/2025 10:39:27 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4961 ppm	0.4908 ppm	0.4597 ppm	0.5067 ppm	0.4890 ppm	0.5251 ppm	0.5368 ppm
Concentration per Run	0.4962 ppm	0.4866 ppm	0.4561 ppm	0.5070 ppm	0.4899 ppm	0.5268 ppm	0.5385 ppm
Concentration per Run	0.4956 ppm	0.4956 ppm	0.4601 ppm	0.5049 ppm	0.4890 ppm	0.5249 ppm	0.5348 ppm
Concentration per Run	0.4966 ppm	0.4903 ppm	0.4631 ppm	0.5081 ppm	0.4880 ppm	0.5237 ppm	0.5371 ppm
Recovery Percentage	99.228 %	98.168 %	91.949 %	101.331 %	97.797 %	105.028 %	107.361 %
Concentration RSD	0.1 %	0.9 %	0.8 %	0.3 %	0.2 %	0.3 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5531 ppm	0.5365 ppm	0.5316 ppm	0.5035 ppm	0.5353 ppm	5.2664 ppm	0.5052 ppm
Concentration per Run	0.5539 ppm	0.5368 ppm	0.5327 ppm	0.5042 ppm	0.5352 ppm	5.3098 ppm	0.5078 ppm
Concentration per Run	0.5521 ppm	0.5371 ppm	0.5298 ppm	0.5044 ppm	0.5372 ppm	5.2612 ppm	0.5038 ppm
Concentration per Run	0.5532 ppm	0.5355 ppm	0.5321 ppm	0.5019 ppm	0.5335 ppm	5.2282 ppm	0.5041 ppm
Recovery Percentage	110.617 %	107.293 %	106.311 %	100.701 %	107.066 %	105.328 %	101.045 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.3 %	0.3 %	0.8 %	0.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5501 ppm	0.5408 ppm	0.5148 ppm	10.3978 ppm	0.5468 ppm	0.4962 ppm	0.5256 ppm
Concentration per Run	0.5509 ppm	0.5406 ppm	0.5152 ppm	10.3547 ppm	0.5498 ppm	0.4977 ppm	0.5273 ppm
Concentration per Run	0.5497 ppm	0.5412 ppm	0.5145 ppm	10.4235 ppm	0.5425 ppm	0.4950 ppm	0.5265 ppm
Concentration per Run	0.5497 ppm	0.5407 ppm	0.5149 ppm	10.4150 ppm	0.5482 ppm	0.4960 ppm	0.5231 ppm
Recovery Percentage	110.021 %	108.167 %	102.969 %	103.978 %	109.364 %	99.249 %	105.124 %
Concentration RSD	0.1 %	0.1 %	0.1 %	0.4 %	0.7 %	0.3 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4594 ppm	5.5072 ppm	0.5403 ppm	0.5033 ppm	0.5132 ppm	0.4939 ppm	0.5230 ppm
Concentration per Run	0.4554 ppm	5.5046 ppm	0.5449 ppm	0.5035 ppm	0.5108 ppm	0.4931 ppm	0.5235 ppm
Concentration per Run	0.4578 ppm	5.4957 ppm	0.5359 ppm	0.5023 ppm	0.5134 ppm	0.4920 ppm	0.5227 ppm
Concentration per Run	0.4650 ppm	5.5212 ppm	0.5399 ppm	0.5041 ppm	0.5153 ppm	0.4965 ppm	0.5230 ppm
Recovery Percentage	91.873 %	104.898 %	108.050 %	100.658 %	102.639 %	98.771 %	104.607 %
Concentration RSD	1.1 %	0.2 %	0.8 %	0.2 %	0.4 %	0.5 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5550 ppm	101.6852 %	90.4360 %	104.4158 %	100.2683 %	89.1772 %	103.3081 %
Concentration per Run	0.5581 ppm	101.5248 %	90.1039 %	104.4643 %	100.4459 %	88.5651 %	103.3552 %
Concentration per Run	0.5519 ppm	101.9339 %	90.5715 %	103.9986 %	100.4319 %	89.5073 %	103.0232 %
Concentration per Run	0.5551 ppm	101.5970 %	90.6325 %	104.7845 %	99.9272 %	89.4590 %	103.5458 %
Recovery Percentage	111.002 %						
Concentration RSD	0.6 %	0.2 %	0.3 %	0.4 %	0.3 %	0.6 %	0.3 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 10:42:54 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	-0.0082 ppm	0.0012 ppm	0.0018 ppm	0.0001 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run	-0.0002 ppm	-0.0072 ppm	0.0026 ppm	0.0015 ppm	0.0000 ppm	0.0001 ppm	0.0018 ppm
Concentration per Run	-0.0001 ppm	-0.0070 ppm	0.0019 ppm	0.0023 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm
Concentration per Run	-0.0002 ppm	-0.0105 ppm	-0.0008 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm
Recovery Percentage	-3.120 %	-8.212 %	24.655 %	5.888 %	0.611 %	0.845 %	1.156 %
Concentration RSD	54.4 %	24.3 %	143.8 %	25.9 %	57.6 %	82.1 %	50.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0004 ppm	0.0052 ppm	0.0111 ppm	0.0004 ppm
Concentration per Run	0.0002 ppm	0.0005 ppm	0.0000 ppm	-0.0004 ppm	0.0046 ppm	0.0151 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0000 ppm	-0.0004 ppm	0.0055 ppm	0.0175 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0001 ppm	-0.0005 ppm	0.0054 ppm	0.0007 ppm	0.0001 ppm
Recovery Percentage	1.113 %	2.781 %	0.220 %	-3.997 %	10.329 %	0.444 %	4.361 %
Concentration RSD	219.4 %	115.6 %	220.0 %	13.3 %	9.6 %	81.6 %	185.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0005 ppm	0.0000 ppm	0.0040 ppm	0.0052 ppm	0.0001 ppm	-0.0007 ppm	0.0034 ppm
Concentration per Run	0.0018 ppm	-0.0002 ppm	0.0040 ppm	0.0025 ppm	0.0001 ppm	-0.0003 ppm	0.0032 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0041 ppm	0.0043 ppm	0.0004 ppm	-0.0006 ppm	0.0028 ppm
Concentration per Run	-0.0003 ppm	0.0000 ppm	0.0041 ppm	0.0086 ppm	-0.0001 ppm	-0.0013 ppm	0.0042 ppm
Recovery Percentage	0.525 %	-0.339 %	8.065 %	0.258 %	0.451 %	-7.492 %	6.781 %
Concentration RSD	217.8 %	314.1 %	1.6 %	60.5 %	222.4 %	70.3 %	21.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0026 ppm	-0.0014 ppm	0.0015 ppm	0.0000 ppm	0.0005 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0032 ppm	-0.0010 ppm	0.0021 ppm	0.0000 ppm	0.0006 ppm	-0.0006 ppm	-0.0003 ppm
Concentration per Run	0.0018 ppm	-0.0007 ppm	0.0011 ppm	0.0001 ppm	0.0005 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run	0.0029 ppm	-0.0024 ppm	0.0015 ppm	0.0000 ppm	0.0004 ppm	0.0014 ppm	-0.0001 ppm
Recovery Percentage	26.478 %	-0.278 %	3.074 %	0.473 %	5.137 %	3.461 %	-0.551 %
Concentration RSD	27.5 %	65.2 %	34.3 %	52.6 %	17.1 %	158.2 %	411.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	99.7218 %	88.6492 %	105.1568 %	100.5389 %	88.7559 %	103.4500 %
Concentration per Run	0.0004 ppm	99.5482 %	89.0616 %	105.0150 %	100.0985 %	88.8500 %	103.5583 %
Concentration per Run	0.0002 ppm	99.8650 %	89.0678 %	105.2522 %	100.8103 %	89.1705 %	103.5154 %
Concentration per Run	0.0003 ppm	99.7521 %	87.8181 %	105.2031 %	100.7079 %	88.2472 %	103.2764 %
Recovery Percentage	5.735 %						
Concentration RSD	27.5 %	0.2 %	0.8 %	0.1 %	0.4 %	0.5 %	0.1 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCV
Analysis started at: 9/18/2025 11:26:53 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5084 ppm	0.4875 ppm	0.4977 ppm	0.5248 ppm	0.5039 ppm	0.5249 ppm	0.5030 ppm
Concentration per Run	0.5067 ppm	0.4874 ppm	0.4997 ppm	0.5206 ppm	0.5081 ppm	0.5254 ppm	0.5021 ppm
Concentration per Run	0.5085 ppm	0.4898 ppm	0.4932 ppm	0.5290 ppm	0.5017 ppm	0.5239 ppm	0.5026 ppm
Concentration per Run	0.5098 ppm	0.4854 ppm	0.5002 ppm	0.5249 ppm	0.5019 ppm	0.5255 ppm	0.5044 ppm
Recovery Percentage	101.671 %	97.501 %	99.541 %	104.965 %	100.788 %	104.989 %	100.609 %
Concentration RSD	0.3 %	0.5 %	0.8 %	0.8 %	0.7 %	0.2 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.5204 ppm	0.5206 ppm	0.5182 ppm	0.5289 ppm	0.5073 ppm	5.1621 ppm	0.5359 ppm
Concentration per Run	0.5174 ppm	0.5184 ppm	0.5167 ppm	0.5291 ppm	0.5067 ppm	5.1988 ppm	0.5388 ppm
Concentration per Run	0.5222 ppm	0.5219 ppm	0.5192 ppm	0.5293 ppm	0.5045 ppm	5.1458 ppm	0.5327 ppm
Concentration per Run	0.5217 ppm	0.5214 ppm	0.5187 ppm	0.5282 ppm	0.5106 ppm	5.1417 ppm	0.5363 ppm
Recovery Percentage	104.088 %	104.116 %	103.638 %	105.773 %	101.451 %	103.242 %	107.189 %
Concentration RSD	0.5 %	0.4 %	0.2 %	0.1 %	0.6 %	0.6 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.5235 ppm	0.5211 ppm	0.5056 ppm	10.3861 ppm	0.5289 ppm	0.5009 ppm	0.5335 ppm
Concentration per Run	0.5208 ppm	0.5206 ppm	0.5026 ppm	10.3893 ppm	0.5268 ppm	0.5029 ppm	0.5308 ppm
Concentration per Run	0.5236 ppm	0.5207 ppm	0.5073 ppm	10.3615 ppm	0.5296 ppm	0.4989 ppm	0.5323 ppm
Concentration per Run	0.5261 ppm	0.5220 ppm	0.5070 ppm	10.4076 ppm	0.5304 ppm	0.5008 ppm	0.5375 ppm
Recovery Percentage	104.701 %	104.219 %	101.128 %	103.861 %	105.786 %	100.175 %	106.705 %
Concentration RSD	0.5 %	0.1 %	0.5 %	0.2 %	0.4 %	0.4 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.5077 ppm	5.6844 ppm	0.5133 ppm	0.5208 ppm	0.5142 ppm	0.5097 ppm	0.5214 ppm
Concentration per Run	0.5090 ppm	5.6642 ppm	0.5120 ppm	0.5251 ppm	0.5162 ppm	0.5114 ppm	0.5206 ppm
Concentration per Run	0.5044 ppm	5.6863 ppm	0.5135 ppm	0.5165 ppm	0.5121 ppm	0.5042 ppm	0.5219 ppm
Concentration per Run	0.5096 ppm	5.7026 ppm	0.5144 ppm	0.5207 ppm	0.5141 ppm	0.5134 ppm	0.5217 ppm
Recovery Percentage	101.533 %	108.274 %	102.660 %	104.155 %	102.831 %	101.938 %	104.282 %
Concentration RSD	0.6 %	0.3 %	0.2 %	0.8 %	0.4 %	1.0 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5166 ppm	99.3881 %	101.1771 %	95.9837 %	98.2542 %	100.2094 %	97.0678 %
Concentration per Run	0.5135 ppm	99.9135 %	102.1196 %	95.2080 %	98.8811 %	101.3384 %	96.4996 %
Concentration per Run	0.5188 ppm	99.2082 %	100.2346 %	96.7526 %	97.5780 %	98.8265 %	97.6443 %
Concentration per Run	0.5176 ppm	99.0426 %	101.1770 %	95.9905 %	98.3036 %	100.4634 %	97.0594 %
Recovery Percentage	103.327 %						
Concentration RSD	0.5 %	0.5 %	0.9 %	0.8 %	0.7 %	1.3 %	0.6 %

ICP DataTrace 8

9/19/2025 7:46:12 AM



LabBook: WG2116354_09182025T8.imexp

Sample: CCB
 Analysis started at: 9/18/2025 11:30:38 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0072 ppm	0.0011 ppm	0.0011 ppm	0.0000 ppm	0.0001 ppm	0.0026 ppm
Concentration per Run	-0.0003 ppm	-0.0068 ppm	-0.0003 ppm	0.0019 ppm	0.0000 ppm	0.0001 ppm	0.0020 ppm
Concentration per Run	0.0000 ppm	-0.0077 ppm	0.0014 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0037 ppm
Concentration per Run	0.0003 ppm	-0.0071 ppm	0.0021 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0021 ppm
Recovery Percentage	-0.178 %	-7.223 %	21.417 %	3.568 %	-0.120 %	1.126 %	2.613 %
Concentration RSD	2,883.5 %	6.5 %	112.0 %	69.2 %	205.0 %	48.6 %	37.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0022 ppm	-0.0068 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0027 ppm	-0.0054 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0022 ppm	-0.0052 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0002 ppm	-0.0002 ppm	0.0018 ppm	-0.0097 ppm	0.0005 ppm
Recovery Percentage	2.698 %	-1.919 %	1.370 %	-1.195 %	4.396 %	-0.271 %	2.118 %
Concentration RSD	35.3 %	48.8 %	72.6 %	35.4 %	20.8 %	36.8 %	108.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0013 ppm	0.0000 ppm	0.0041 ppm	-0.0010 ppm	-0.0004 ppm	-0.0006 ppm	0.0027 ppm
Concentration per Run	0.0028 ppm	0.0001 ppm	0.0043 ppm	-0.0022 ppm	-0.0002 ppm	-0.0005 ppm	0.0019 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0044 ppm	-0.0002 ppm	-0.0002 ppm	-0.0008 ppm	0.0018 ppm
Concentration per Run	0.0011 ppm	0.0000 ppm	0.0038 ppm	-0.0007 ppm	-0.0008 ppm	-0.0006 ppm	0.0042 ppm
Recovery Percentage	1.309 %	0.380 %	8.290 %	-0.051 %	-1.714 %	-6.303 %	5.332 %
Concentration RSD	106.2 %	163.4 %	7.6 %	103.0 %	83.8 %	22.9 %	51.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0030 ppm	-0.0017 ppm	0.0011 ppm	0.0000 ppm	0.0008 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run	0.0016 ppm	-0.0013 ppm	0.0008 ppm	0.0001 ppm	0.0008 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run	0.0039 ppm	-0.0026 ppm	0.0013 ppm	0.0000 ppm	0.0007 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run	0.0035 ppm	-0.0011 ppm	0.0011 ppm	0.0000 ppm	0.0008 ppm	0.0007 ppm	0.0000 ppm
Recovery Percentage	30.011 %	-0.337 %	2.109 %	0.421 %	7.727 %	5.333 %	0.597 %
Concentration RSD	40.6 %	48.7 %	23.1 %	53.1 %	7.9 %	35.2 %	107.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	103.8132 %	101.4866 %	100.8271 %	104.5815 %	102.2961 %	101.3680 %
Concentration per Run	0.0001 ppm	103.7825 %	101.6386 %	100.8007 %	104.5755 %	102.2747 %	101.3535 %
Concentration per Run	0.0001 ppm	103.9115 %	101.5696 %	100.8206 %	104.7854 %	102.1768 %	101.0615 %
Concentration per Run	0.0002 ppm	103.7457 %	101.2514 %	100.8600 %	104.3835 %	102.4368 %	101.6891 %
Recovery Percentage	2.985 %						
Concentration RSD	26.6 %	0.1 %	0.2 %	0.0 %	0.2 %	0.1 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: Blank LRS Trace7
 Analysis started at: 9/23/2025 13:03:42
 Comments: <Comment>
 Rack: 0
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-1.2 %	-0.2 %	0.2 %	0.1 %	0.1 %	-0.5 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.3 %	0.2 %	0.2 %	0.0 %	1.6 %	1.3 %	-0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.4 %	0.2 %	0.4 %	0.0 %	-0.1 %	0.3 %	-0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-2.8 %	0.0 %	0.1 %	-0.1 %	-0.1 %	-0.3 %	-0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: ICAL
 Analysis started at: 9/23/2025 13:08:16
 Comments: <Comment>
 Rack: 0
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	0.9940 ppm	25.5594 ppm	0.9965 ppm	0.9966 ppm	1.0210 ppm	1.0202 ppm	10.2372 ppm
Concentration per Run 2	1.0034 ppm	24.7077 ppm	0.9987 ppm	0.9978 ppm	0.9869 ppm	0.9882 ppm	9.8729 ppm
Concentration per Run 3	1.0026 ppm	24.7330 ppm	1.0048 ppm	1.0056 ppm	0.9921 ppm	0.9916 ppm	9.8899 ppm
Concentration RSD	0.5 %	1.9 %	0.4 %	0.5 %	1.8 %	1.8 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9987 ppm	0.9998 ppm	0.9924 ppm	0.9941 ppm	25.5389 ppm	35.6831 ppm	1.0220 ppm
Concentration per Run 2	0.9997 ppm	0.9991 ppm	1.0052 ppm	1.0029 ppm	24.7035 ppm	34.6071 ppm	0.9858 ppm
Concentration per Run 3	1.0015 ppm	1.0011 ppm	1.0024 ppm	1.0029 ppm	24.7576 ppm	34.7098 ppm	0.9923 ppm
Concentration RSD	0.1 %	0.1 %	0.7 %	0.5 %	1.9 %	1.7 %	1.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	9.9433 ppm	1.0190 ppm	0.9972 ppm	25.5347 ppm	0.9979 ppm	0.9987 ppm	0.9965 ppm
Concentration per Run 2	10.0425 ppm	0.9891 ppm	0.9998 ppm	24.6732 ppm	1.0003 ppm	0.9977 ppm	0.9989 ppm
Concentration per Run 3	10.0142 ppm	0.9918 ppm	1.0030 ppm	24.7921 ppm	1.0018 ppm	1.0036 ppm	1.0045 ppm
Concentration RSD	0.5 %	1.7 %	0.3 %	1.9 %	0.2 %	0.3 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9967 ppm	9.9765 ppm	0.9967 ppm	1.0203 ppm	0.9941 ppm	0.9978 ppm	0.9937 ppm
Concentration per Run 2	1.0002 ppm	9.9930 ppm	1.0000 ppm	0.9868 ppm	1.0029 ppm	1.0008 ppm	1.0043 ppm
Concentration per Run 3	1.0031 ppm	10.0305 ppm	1.0033 ppm	0.9928 ppm	1.0031 ppm	1.0014 ppm	1.0020 ppm
Concentration RSD	0.3 %	0.3 %	0.3 %	1.8 %	0.5 %	0.2 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0000 ppm	99.3016 %	97.3324 %	98.3103 %	100.8556 %	94.3272 %	98.7368 %
Concentration per Run 1	0.9989 ppm	98.2486 %	97.9137 %	98.2435 %	99.1829 %	94.3512 %	99.2156 %
Concentration per Run 2	1.0004 ppm	99.6028 %	96.9303 %	98.4714 %	101.2632 %	94.4906 %	98.3578 %
Concentration per Run 3	1.0007 ppm	100.0535 %	97.1531 %	98.2159 %	102.1207 %	94.1398 %	98.6369 %
Concentration RSD	0.1 %	0.9 %	0.5 %	0.1 %	1.5 %	0.2 %	0.4 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: ICV
Analysis started at: 9/23/2025 13:40:05
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4956 ppm	0.4933 ppm	0.4770 ppm	0.4801 ppm	0.4970 ppm	0.5096 ppm	0.5217 ppm
Concentration per Run 1	0.4958 ppm	0.5061 ppm	0.4759 ppm	0.4803 ppm	0.5059 ppm	0.5173 ppm	0.5298 ppm
Concentration per Run 2	0.4970 ppm	0.4868 ppm	0.4823 ppm	0.4819 ppm	0.4923 ppm	0.5054 ppm	0.5157 ppm
Concentration per Run 3	0.4940 ppm	0.4871 ppm	0.4729 ppm	0.4781 ppm	0.4926 ppm	0.5062 ppm	0.5197 ppm
Recovery Percentage 1	99.118 %	98.666 %	95.402 %	96.024 %	99.393 %	101.926 %	104.342 %
Concentration RSD	0.3 %	2.2 %	1.0 %	0.4 %	1.6 %	1.3 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4879 ppm	0.5029 ppm	0.5052 ppm	0.5078 ppm	0.5106 ppm	5.2132 ppm	0.5116 ppm
Concentration per Run 1	0.4886 ppm	0.5036 ppm	0.5066 ppm	0.5080 ppm	0.5177 ppm	5.3237 ppm	0.5221 ppm
Concentration per Run 2	0.4900 ppm	0.5049 ppm	0.5068 ppm	0.5087 ppm	0.5082 ppm	5.1477 ppm	0.5060 ppm
Concentration per Run 3	0.4851 ppm	0.5002 ppm	0.5023 ppm	0.5067 ppm	0.5058 ppm	5.1684 ppm	0.5067 ppm
Recovery Percentage 1	97.578 %	100.581 %	101.048 %	101.558 %	102.114 %	104.265 %	102.318 %
Concentration RSD	0.5 %	0.5 %	0.5 %	0.2 %	1.2 %	1.8 %	1.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5047 ppm	0.5138 ppm	0.4811 ppm	10.1055 ppm	0.4992 ppm	0.4942 ppm	0.5005 ppm
Concentration per Run 1	0.5047 ppm	0.5218 ppm	0.4815 ppm	10.2901 ppm	0.4994 ppm	0.4949 ppm	0.5022 ppm
Concentration per Run 2	0.5068 ppm	0.5089 ppm	0.4826 ppm	10.0163 ppm	0.5010 ppm	0.4968 ppm	0.5003 ppm
Concentration per Run 3	0.5027 ppm	0.5108 ppm	0.4792 ppm	10.0101 ppm	0.4972 ppm	0.4909 ppm	0.4989 ppm
Recovery Percentage 1	100.949 %	102.763 %	96.218 %	101.055 %	99.838 %	98.843 %	100.092 %
Concentration RSD	0.4 %	1.4 %	0.4 %	1.6 %	0.4 %	0.6 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4812 ppm	5.3464 ppm	0.4900 ppm	0.5032 ppm	0.4969 ppm	0.5084 ppm	0.5064 ppm
Concentration per Run 1	0.4768 ppm	5.3565 ppm	0.4916 ppm	0.5117 ppm	0.4976 ppm	0.5086 ppm	0.5073 ppm
Concentration per Run 2	0.4858 ppm	5.3607 ppm	0.4914 ppm	0.4985 ppm	0.4989 ppm	0.5095 ppm	0.5078 ppm
Concentration per Run 3	0.4810 ppm	5.3220 ppm	0.4870 ppm	0.4993 ppm	0.4943 ppm	0.5071 ppm	0.5040 ppm
Recovery Percentage 1	96.242 %	101.836 %	97.992 %	100.633 %	99.379 %	101.674 %	101.271 %
Concentration RSD	0.9 %	0.4 %	0.5 %	1.5 %	0.5 %	0.2 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4913 ppm	100.8678 %	99.5140 %	101.2330 %	101.2837 %	98.9419 %	99.8879 %
Concentration per Run 1	0.4912 ppm	100.7215 %	99.5176 %	101.0819 %	100.5877 %	98.8020 %	99.7843 %
Concentration per Run 2	0.4939 ppm	101.0226 %	99.0067 %	101.0234 %	101.6702 %	98.7083 %	99.4500 %
Concentration per Run 3	0.4887 ppm	100.8592 %	100.0177 %	101.5939 %	101.5931 %	99.3154 %	100.4293 %
Recovery Percentage 1	98.255 %						
Concentration RSD	0.5 %	0.1 %	0.5 %	0.3 %	0.6 %	0.3 %	0.5 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: ICB
Analysis started at: 9/23/2025 13:44:20
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	-0.0030 ppm	0.0003 ppm	0.0006 ppm	0.0001 ppm	0.0001 ppm	0.0089 ppm
Concentration per Run 1	0.0003 ppm	-0.0014 ppm	0.0004 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0033 ppm
Concentration per Run 2	0.0003 ppm	-0.0063 ppm	0.0002 ppm	0.0008 ppm	0.0002 ppm	0.0001 ppm	0.0107 ppm
Concentration per Run 3	0.0004 ppm	-0.0014 ppm	0.0003 ppm	0.0007 ppm	-0.0001 ppm	0.0001 ppm	0.0128 ppm
Recovery Percentage 1	6.898 %	-3.024 %	6.446 %	2.020 %	0.635 %	1.560 %	8.928 %
Concentration RSD	19.9 %	93.2 %	29.3 %	33.4 %	258.3 %	65.5 %	55.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0003 ppm	0.0125 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0004 ppm	0.0007 ppm	0.0003 ppm	-0.0015 ppm	0.0168 ppm	-0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0011 ppm	0.0101 ppm	0.0008 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0013 ppm	0.0107 ppm	0.0002 ppm
Recovery Percentage 1	-0.159 %	-0.839 %	2.499 %	1.443 %	0.573 %	0.501 %	2.469 %
Concentration RSD	70.4 %	320.3 %	178.8 %	215.9 %	553.5 %	29.4 %	231.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0042 ppm	0.0001 ppm	0.0005 ppm	-0.0020 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 1	0.0031 ppm	0.0001 ppm	0.0007 ppm	0.0059 ppm	0.0002 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 2	0.0046 ppm	0.0000 ppm	0.0004 ppm	-0.0069 ppm	0.0001 ppm	0.0005 ppm	0.0008 ppm
Concentration per Run 3	0.0049 ppm	0.0001 ppm	0.0004 ppm	-0.0050 ppm	-0.0003 ppm	-0.0005 ppm	0.0004 ppm
Recovery Percentage 1	4.198 %	0.679 %	0.929 %	-0.100 %	0.108 %	0.180 %	0.787 %
Concentration RSD	23.8 %	56.7 %	35.5 %	342.9 %	964.9 %	2,685.8 %	115.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0033 ppm	-0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 1	0.0020 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 2	0.0026 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run 3	0.0053 ppm	-0.0003 ppm	-0.0009 ppm	0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm
Recovery Percentage 1	33.182 %	-0.050 %	-0.481 %	0.429 %	0.222 %	1.267 %	-0.456 %
Concentration RSD	53.8 %	48.0 %	231.0 %	229.1 %	877.8 %	257.9 %	116.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	100.1940 %	97.4373 %	99.9547 %	100.1749 %	99.6092 %	97.3444 %
Concentration per Run 1	0.0000 ppm	99.3053 %	100.2668 %	100.4394 %	98.7418 %	99.8312 %	99.9632 %
Concentration per Run 2	-0.0002 ppm	100.2787 %	99.4468 %	100.3102 %	100.6768 %	99.8794 %	99.2420 %
Concentration per Run 3	0.0000 ppm	100.9978 %	92.5982 %	99.1145 %	101.1061 %	99.1171 %	92.8281 %
Recovery Percentage 1	-1.485 %						
Concentration RSD	110.1 %	0.8 %	4.3 %	0.7 %	1.3 %	0.4 %	4.0 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: ICV
Analysis started at: 9/23/2025 13:48:53
Comments: <Comment>
Rack: 0
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5021 ppm	0.5067 ppm	0.4897 ppm	0.4948 ppm	0.5026 ppm	0.5151 ppm	0.5325 ppm
Concentration per Run 1	0.5011 ppm	0.5114 ppm	0.4816 ppm	0.4877 ppm	0.5120 ppm	0.5239 ppm	0.5400 ppm
Concentration per Run 2	0.5029 ppm	0.5096 ppm	0.4997 ppm	0.5049 ppm	0.4983 ppm	0.5114 ppm	0.5315 ppm
Concentration per Run 3	0.5024 ppm	0.4993 ppm	0.4877 ppm	0.4917 ppm	0.4974 ppm	0.5101 ppm	0.5260 ppm
Recovery Percentage 1	100.425 %	101.347 %	97.936 %	98.951 %	100.513 %	103.022 %	106.498 %
Concentration RSD	0.2 %	1.3 %	1.9 %	1.8 %	1.6 %	1.5 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5037 ppm	0.5159 ppm	0.5122 ppm	0.5132 ppm	0.5177 ppm	5.2318 ppm	0.5245 ppm
Concentration per Run 1	0.4961 ppm	0.5087 ppm	0.5114 ppm	0.5130 ppm	0.5235 ppm	5.3251 ppm	0.5350 ppm
Concentration per Run 2	0.5141 ppm	0.5264 ppm	0.5124 ppm	0.5144 ppm	0.5139 ppm	5.1947 ppm	0.5206 ppm
Concentration per Run 3	0.5009 ppm	0.5126 ppm	0.5127 ppm	0.5123 ppm	0.5158 ppm	5.1757 ppm	0.5179 ppm
Recovery Percentage 1	100.740 %	103.174 %	102.438 %	102.643 %	103.546 %	104.637 %	104.899 %
Concentration RSD	1.8 %	1.8 %	0.1 %	0.2 %	1.0 %	1.6 %	1.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5125 ppm	0.5201 ppm	0.4969 ppm	10.2391 ppm	0.5147 ppm	0.5122 ppm	0.5137 ppm
Concentration per Run 1	0.5118 ppm	0.5294 ppm	0.4891 ppm	10.4255 ppm	0.5082 ppm	0.5048 ppm	0.5042 ppm
Concentration per Run 2	0.5104 ppm	0.5153 ppm	0.5067 ppm	10.1527 ppm	0.5248 ppm	0.5225 ppm	0.5264 ppm
Concentration per Run 3	0.5153 ppm	0.5156 ppm	0.4951 ppm	10.1392 ppm	0.5111 ppm	0.5094 ppm	0.5105 ppm
Recovery Percentage 1	102.494 %	104.027 %	99.387 %	102.391 %	102.938 %	102.449 %	102.741 %
Concentration RSD	0.5 %	1.5 %	1.8 %	1.6 %	1.7 %	1.8 %	2.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.5007 ppm	5.5290 ppm	0.5056 ppm	0.5118 ppm	0.5043 ppm	0.5205 ppm	0.5133 ppm
Concentration per Run 1	0.4901 ppm	5.4452 ppm	0.4986 ppm	0.5220 ppm	0.5032 ppm	0.5147 ppm	0.5125 ppm
Concentration per Run 2	0.5107 ppm	5.6432 ppm	0.5164 ppm	0.5073 ppm	0.5053 ppm	0.5301 ppm	0.5144 ppm
Concentration per Run 3	0.5012 ppm	5.4987 ppm	0.5019 ppm	0.5061 ppm	0.5043 ppm	0.5167 ppm	0.5128 ppm
Recovery Percentage 1	100.137 %	105.315 %	101.129 %	102.364 %	100.856 %	104.098 %	102.651 %
Concentration RSD	2.1 %	1.9 %	1.9 %	1.7 %	0.2 %	1.6 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5088 ppm	101.0542 %	99.0535 %	98.7299 %	101.8284 %	97.0972 %	99.8139 %
Concentration per Run 1	0.5013 ppm	99.8689 %	99.3496 %	100.1719 %	100.0798 %	98.4361 %	99.8889 %
Concentration per Run 2	0.5196 ppm	102.0079 %	98.7574 %	96.7512 %	102.9624 %	95.2320 %	99.5679 %
Concentration per Run 3	0.5057 ppm	101.2858 %	99.0535 %	99.2666 %	102.4429 %	97.6234 %	99.9850 %
Recovery Percentage 1	101.770 %						
Concentration RSD	1.9 %	1.1 %	0.3 %	1.8 %	1.5 %	1.7 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: ICB
Analysis started at: 9/23/2025 13:53:13
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0101 ppm	0.0022 ppm	0.0008 ppm	0.0002 ppm	0.0001 ppm	0.0073 ppm
Concentration per Run 1	0.0002 ppm	0.0151 ppm	0.0034 ppm	0.0012 ppm	0.0003 ppm	0.0000 ppm	0.0047 ppm
Concentration per Run 2	0.0001 ppm	0.0033 ppm	0.0021 ppm	0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0084 ppm
Concentration per Run 3	-0.0002 ppm	0.0118 ppm	0.0012 ppm	0.0007 ppm	0.0001 ppm	0.0002 ppm	0.0089 ppm
Recovery Percentage 1	0.720 %	10.072 %	44.692 %	2.659 %	1.597 %	1.516 %	7.288 %
Concentration RSD	610.7 %	60.4 %	49.8 %	53.5 %	60.8 %	91.5 %	31.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0003 ppm	0.0031 ppm	0.0012 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0160 ppm	0.0010 ppm
Concentration per Run 2	0.0000 ppm	-0.0004 ppm	0.0001 ppm	0.0003 ppm	-0.0001 ppm	-0.0021 ppm	0.0008 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0008 ppm	0.0003 ppm	0.0010 ppm	-0.0044 ppm	0.0019 ppm
Recovery Percentage 1	-0.217 %	-1.471 %	2.165 %	2.290 %	0.600 %	0.125 %	12.418 %
Concentration RSD	358.9 %	140.5 %	261.9 %	64.3 %	198.9 %	356.2 %	44.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0022 ppm	-0.0004 ppm	0.0002 ppm	-0.0058 ppm	-0.0001 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 1	0.0024 ppm	-0.0007 ppm	0.0002 ppm	-0.0067 ppm	0.0000 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run 2	0.0028 ppm	0.0003 ppm	0.0004 ppm	-0.0108 ppm	-0.0002 ppm	0.0010 ppm	-0.0008 ppm
Concentration per Run 3	0.0015 ppm	-0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0012 ppm	0.0008 ppm
Recovery Percentage 1	2.217 %	-3.740 %	0.468 %	-0.291 %	-0.250 %	11.227 %	0.202 %
Concentration RSD	31.1 %	160.2 %	50.2 %	93.9 %	131.8 %	8.9 %	797.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0025 ppm	-0.0005 ppm	-0.0004 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 1	0.0015 ppm	-0.0006 ppm	-0.0003 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 2	0.0029 ppm	-0.0005 ppm	-0.0005 ppm	0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 3	0.0031 ppm	-0.0005 ppm	-0.0003 ppm	0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0002 ppm
Recovery Percentage 1	24.892 %	-0.102 %	-0.722 %	0.500 %	-0.627 %	-0.240 %	0.802 %
Concentration RSD	34.8 %	8.5 %	32.0 %	123.5 %	197.6 %	865.6 %	162.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	99.6135 %	99.7429 %	100.7074 %	99.5037 %	100.5958 %	99.5182 %
Concentration per Run 1	0.0001 ppm	97.9736 %	99.6625 %	100.4671 %	97.2508 %	100.6638 %	99.4317 %
Concentration per Run 2	0.0000 ppm	100.1424 %	99.8988 %	100.8835 %	100.2923 %	100.5398 %	99.6790 %
Concentration per Run 3	0.0000 ppm	100.7245 %	99.6673 %	100.7717 %	100.9679 %	100.5838 %	99.4437 %
Recovery Percentage 1	0.381 %						
Concentration RSD	219.8 %	1.5 %	0.1 %	0.2 %	2.0 %	0.1 %	0.1 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: LLOQ
Analysis started at: 9/23/2025 13:58:29
Comments: <Comment>
Rack: 0
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0053 ppm	0.1005 ppm	0.0060 ppm	0.0344 ppm	0.0102 ppm	0.0052 ppm	0.1146 ppm
Concentration per Run 1	0.0052 ppm	0.1057 ppm	0.0048 ppm	0.0349 ppm	0.0102 ppm	0.0053 ppm	0.1128 ppm
Concentration per Run 2	0.0056 ppm	0.1041 ppm	0.0062 ppm	0.0340 ppm	0.0100 ppm	0.0051 ppm	0.1151 ppm
Concentration per Run 3	0.0050 ppm	0.0918 ppm	0.0071 ppm	0.0342 ppm	0.0103 ppm	0.0052 ppm	0.1157 ppm
Recovery Percentage 1	105.718 %	100.537 %	120.365 %	114.595 %	101.632 %	104.813 %	114.551 %
Concentration RSD	5.7 %	7.6 %	19.4 %	1.4 %	1.3 %	1.9 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0041 ppm	0.0103 ppm	0.0102 ppm	0.0106 ppm	0.0544 ppm	2.5721 ppm	0.0105 ppm
Concentration per Run 1	0.0042 ppm	0.0108 ppm	0.0099 ppm	0.0110 ppm	0.0535 ppm	2.6033 ppm	0.0108 ppm
Concentration per Run 2	0.0040 ppm	0.0100 ppm	0.0105 ppm	0.0105 ppm	0.0546 ppm	2.5349 ppm	0.0109 ppm
Concentration per Run 3	0.0041 ppm	0.0102 ppm	0.0101 ppm	0.0105 ppm	0.0553 ppm	2.5782 ppm	0.0099 ppm
Recovery Percentage 1	102.784 %	103.371 %	101.597 %	106.458 %	108.855 %	102.885 %	105.368 %
Concentration RSD	2.3 %	3.8 %	3.2 %	2.5 %	1.7 %	1.3 %	4.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1058 ppm	0.0102 ppm	0.0504 ppm	1.9832 ppm	0.0203 ppm	0.0110 ppm	0.0524 ppm
Concentration per Run 1	0.1062 ppm	0.0101 ppm	0.0510 ppm	1.9968 ppm	0.0205 ppm	0.0115 ppm	0.0547 ppm
Concentration per Run 2	0.1072 ppm	0.0102 ppm	0.0497 ppm	1.9792 ppm	0.0202 ppm	0.0114 ppm	0.0510 ppm
Concentration per Run 3	0.1041 ppm	0.0102 ppm	0.0505 ppm	1.9735 ppm	0.0201 ppm	0.0103 ppm	0.0516 ppm
Recovery Percentage 1	105.831 %	101.813 %	100.777 %	99.159 %	101.523 %	110.474 %	104.864 %
Concentration RSD	1.5 %	0.6 %	1.3 %	0.6 %	1.0 %	5.8 %	3.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0108 ppm	0.5454 ppm	0.0520 ppm	0.0100 ppm	0.0099 ppm	0.0209 ppm	0.0099 ppm
Concentration per Run 1	0.0121 ppm	0.5546 ppm	0.0532 ppm	0.0101 ppm	0.0103 ppm	0.0211 ppm	0.0099 ppm
Concentration per Run 2	0.0084 ppm	0.5345 ppm	0.0512 ppm	0.0100 ppm	0.0102 ppm	0.0213 ppm	0.0101 ppm
Concentration per Run 3	0.0120 ppm	0.5471 ppm	0.0515 ppm	0.0100 ppm	0.0092 ppm	0.0204 ppm	0.0097 ppm
Recovery Percentage 1	108.009 %	109.074 %	103.936 %	100.461 %	98.924 %	104.698 %	99.089 %
Concentration RSD	19.3 %	1.9 %	2.1 %	0.5 %	5.9 %	2.1 %	1.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0054 ppm	100.7971 %	100.8112 %	97.5754 %	101.8139 %	96.8904 %	101.8493 %
Concentration per Run 1	0.0054 ppm	100.2084 %	100.7497 %	96.6420 %	100.7903 %	95.9875 %	101.7527 %
Concentration per Run 2	0.0055 ppm	100.6656 %	100.9413 %	98.9525 %	102.0466 %	98.1626 %	101.9242 %
Concentration per Run 3	0.0053 ppm	101.5173 %	100.7425 %	97.1316 %	102.6047 %	96.5213 %	101.8709 %
Recovery Percentage 1	108.188 %						
Concentration RSD	1.4 %	0.7 %	0.1 %	1.2 %	0.9 %	1.2 %	0.1 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: ICSA
Analysis started at: 9/23/2025 14:04:03
Comments: <Comment>
Rack: 0
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	507.2575 [SIC 500]	-0.0037 ppm	0.0015 ppm	0.0020 ppm	0.0000 ppm	474.7807 ppm
Concentration per Run 1	0.0004 ppm	504.0622 ppm	-0.0043 ppm	0.0010 ppm	0.0022 ppm	0.0000 ppm	473.6733 ppm
Concentration per Run 2	0.0007 ppm	507.7734 ppm	-0.0050 ppm	0.0014 ppm	0.0020 ppm	0.0000 ppm	472.2182 ppm
Concentration per Run 3	-0.0002 ppm	509.9369 ppm	-0.0017 ppm	0.0020 ppm	0.0019 ppm	0.0000 ppm	478.4505 ppm
Recovery Percentage 1	6.111 %	507,257.510 %	-73.939 %	4.890 %	20.187 %	-0.546 %	474,780.669 %
Concentration RSD	149.8 %	0.6 %	46.8 %	31.5 %	5.8 %	76.5 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0034 ppm	0.0002 ppm	0.0003 ppm	0.0022 ppm	183.9743 ppm	-0.0243 ppm	-0.0024 ppm
Concentration per Run 1	-0.0033 ppm	0.0007 ppm	0.0007 ppm	0.0024 ppm	183.8596 ppm	-0.0156 ppm	-0.0015 ppm
Concentration per Run 2	-0.0035 ppm	0.0001 ppm	0.0003 ppm	0.0021 ppm	184.5111 ppm	-0.0412 ppm	-0.0031 ppm
Concentration per Run 3	-0.0032 ppm	0.0000 ppm	-0.0002 ppm	0.0021 ppm	183.5521 ppm	-0.0161 ppm	-0.0026 ppm
Recovery Percentage 1	-83.758 %	2.430 %	2.797 %	21.968 %	367,948.588 %	-0.972 %	-23.884 %
Concentration RSD	4.5 %	147.5 %	165.3 %	7.4 %	0.3 %	60.4 %	35.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	491.9465 ppm	0.0023 ppm	-0.0015 ppm	0.0196 ppm	-0.0131 ppm	-0.0065 ppm	0.0009 ppm
Concentration per Run 1	488.2826 ppm	0.0022 ppm	-0.0018 ppm	0.0098 ppm	-0.0118 ppm	-0.0048 ppm	0.0036 ppm
Concentration per Run 2	494.9629 ppm	0.0027 ppm	-0.0015 ppm	0.0296 ppm	-0.0130 ppm	-0.0084 ppm	-0.0016 ppm
Concentration per Run 3	492.5940 ppm	0.0019 ppm	-0.0013 ppm	0.0195 ppm	-0.0145 ppm	-0.0062 ppm	0.0006 ppm
Recovery Percentage 1	491,946.509 %	22.770 %	-3.089 %	0.981 %	-52.366 %	-64.641 %	1.744 %
Concentration RSD	0.7 %	19.0 %	16.0 %	50.5 %	10.4 %	27.9 %	298.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0069 ppm	0.0089 ppm	0.0034 ppm	-0.0023 ppm	0.0016 ppm	-0.0003 ppm	-0.0016 ppm
Concentration per Run 1	0.0068 ppm	0.0088 ppm	0.0029 ppm	-0.0021 ppm	0.0015 ppm	-0.0009 ppm	-0.0012 ppm
Concentration per Run 2	0.0040 ppm	0.0093 ppm	0.0034 ppm	-0.0023 ppm	0.0014 ppm	0.0018 ppm	-0.0018 ppm
Concentration per Run 3	0.0100 ppm	0.0087 ppm	0.0039 ppm	-0.0024 ppm	0.0018 ppm	-0.0018 ppm	-0.0018 ppm
Recovery Percentage 1	69.391 %	1.781 %	6.765 %	-22.747 %	15.889 %	-1.479 %	-15.653 %
Concentration RSD	42.7 %	4.0 %	15.2 %	6.2 %	12.3 %	643.5 %	22.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0016 ppm	96.5790 %	85.6021 %	86.0664 %	97.5078 %	73.2356 %	86.4782 %
Concentration per Run 1	-0.0018 ppm	96.9181 %	85.8391 %	86.6260 %	97.6923 %	73.5036 %	86.7340 %
Concentration per Run 2	-0.0010 ppm	96.6101 %	85.2864 %	85.9736 %	97.8047 %	73.2702 %	86.2385 %
Concentration per Run 3	-0.0019 ppm	96.2088 %	85.6810 %	85.5997 %	97.0265 %	72.9331 %	86.4620 %
Recovery Percentage 1	-31.224 %						
Concentration RSD	30.5 %	0.4 %	0.3 %	0.6 %	0.4 %	0.4 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: SIC Multi
Analysis started at: 9/23/2025 14:09:21
Comments: <Comment>
Rack: 0
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0016 ppm	0.0347 ppm	-0.0024 ppm	0.0036 ppm	0.0002 ppm	-0.0052 ppm	0.0600 ppm
Concentration per Run 1	-0.0015 ppm	0.0416 ppm	-0.0044 ppm	0.0035 ppm	0.0003 ppm	-0.0052 ppm	0.0731 ppm
Concentration per Run 2	-0.0018 ppm	0.0355 ppm	-0.0031 ppm	0.0036 ppm	0.0001 ppm	-0.0052 ppm	0.0563 ppm
Concentration per Run 3	-0.0016 ppm	0.0269 ppm	0.0004 ppm	0.0038 ppm	0.0001 ppm	-0.0052 ppm	0.0504 ppm
Recovery Percentage 1	-32.547 %	34.656 %	-47.612 %	12.030 %	2.018 %	-103.801 %	59.953 %
Concentration RSD	9.0 %	21.3 %	103.0 %	3.9 %	61.4 %	0.6 %	19.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0028 ppm	-0.0087 ppm	20.0655 ppm	0.0024 ppm	0.0056 ppm	-0.0128 ppm	-0.0003 ppm
Concentration per Run 1	-0.0028 ppm	-0.0087 ppm	19.8930 ppm	0.0021 ppm	0.0091 ppm	-0.0414 ppm	-0.0011 ppm
Concentration per Run 2	-0.0028 ppm	-0.0086 ppm	20.1702 ppm	0.0027 ppm	0.0050 ppm	0.0140 ppm	0.0000 ppm
Concentration per Run 3	-0.0028 ppm	-0.0087 ppm	20.1334 ppm	0.0024 ppm	0.0027 ppm	-0.0111 ppm	0.0001 ppm
Recovery Percentage 1	-69.490 %	-86.765 %	200,655.178 %	24.023 %	11.215 %	-0.514 %	-3.445 %
Concentration RSD	0.6 %	0.8 %	0.8 %	12.9 %	58.4 %	215.9 %	201.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0198 ppm	20.3671 [SIC 40]	-0.0027 ppm	0.0089 ppm	-0.0018 ppm	0.0031 ppm	-0.0043 ppm
Concentration per Run 1	-0.0105 ppm	20.6404 ppm	-0.0025 ppm	-0.0037 ppm	-0.0015 ppm	0.0029 ppm	-0.0043 ppm
Concentration per Run 2	-0.0218 ppm	20.2772 ppm	-0.0030 ppm	0.0130 ppm	-0.0019 ppm	0.0031 ppm	-0.0053 ppm
Concentration per Run 3	-0.0271 ppm	20.1837 ppm	-0.0027 ppm	0.0174 ppm	-0.0018 ppm	0.0032 ppm	-0.0034 ppm
Recovery Percentage 1	-19.790 %	203,671.238 %	-5.465 %	0.446 %	-7.002 %	30.510 %	-8.657 %
Concentration RSD	42.6 %	1.2 %	8.7 %	124.5 %	12.2 %	5.6 %	22.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0068 ppm	0.1369 ppm	-0.0030 ppm	0.0003 ppm	19.8068 ppm	-0.0100 ppm	10.1878 [SIC 10]
Concentration per Run 1	-0.0053 ppm	0.1356 ppm	-0.0030 ppm	0.0003 ppm	19.7858 ppm	-0.0089 ppm	10.1351 ppm
Concentration per Run 2	-0.0066 ppm	0.1386 ppm	-0.0027 ppm	0.0002 ppm	19.8132 ppm	-0.0117 ppm	10.2250 ppm
Concentration per Run 3	-0.0086 ppm	0.1363 ppm	-0.0032 ppm	0.0003 ppm	19.8213 ppm	-0.0092 ppm	10.2032 ppm
Recovery Percentage 1	-68.307 %	27.371 %	-5.912 %	2.632 %	198,067.705 %	-49.872 %	101,877.500 %
Concentration RSD	23.7 %	1.1 %	8.1 %	33.2 %	0.1 %	15.5 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0028 ppm	101.2292 %	99.6190 %	99.6126 %	102.1921 %	97.8734 %	100.3475 %
Concentration per Run 1	0.0025 ppm	100.2130 %	100.0664 %	100.5473 %	100.6959 %	98.8428 %	100.8045 %
Concentration per Run 2	0.0029 ppm	101.3607 %	99.3445 %	98.6156 %	102.6248 %	96.8848 %	100.0606 %
Concentration per Run 3	0.0029 ppm	102.1139 %	99.4460 %	99.6748 %	103.2556 %	97.8926 %	100.1776 %
Recovery Percentage 1	55.124 %						
Concentration RSD	9.4 %	0.9 %	0.4 %	1.0 %	1.3 %	1.0 %	0.4 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: LDR Check
 Analysis started at: 9/23/2025 14:14:08
 Comments: <Comment>
 Rack: 0
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0009 ppm	0.0060 ppm	5.4964 ppm	5.0743 [SIC 20]	9.7765 ppm	0.0007 ppm	0.0041 ppm
Concentration per Run 1	0.0004 ppm	-0.0013 ppm	5.4890 ppm	5.0730 ppm	9.9061 ppm	0.0008 ppm	0.0042 ppm
Concentration per Run 2	0.0014 ppm	0.0063 ppm	5.4747 ppm	5.0556 ppm	9.6536 ppm	0.0007 ppm	0.0061 ppm
Concentration per Run 3	0.0010 ppm	0.0130 ppm	5.5255 ppm	5.0944 ppm	9.7699 ppm	0.0006 ppm	0.0020 ppm
Recovery Percentage 1	0.000 %	0.000 %	109.928 %	101.486 %	97.765 %	0.000 %	0.000 %
Concentration RSD	52.1 %	119.1 %	0.5 %	0.4 %	1.3 %	10.6 %	51.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0023 ppm	-0.0002 ppm	20.1640 [SIC 20]	-0.0111 ppm	316.1038 ppm	5.1794 ppm
Concentration per Run 1	-0.0004 ppm	0.0021 ppm	0.0000 ppm	20.1169 ppm	-0.0093 ppm	316.5818 ppm	5.1830 ppm
Concentration per Run 2	-0.0005 ppm	0.0025 ppm	-0.0004 ppm	20.1593 ppm	-0.0121 ppm	314.5532 ppm	5.1632 ppm
Concentration per Run 3	-0.0004 ppm	0.0021 ppm	-0.0001 ppm	20.2158 ppm	-0.0118 ppm	317.1764 ppm	5.1921 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	100.820 %	0.000 %	105.368 %	103.589 %
Concentration RSD	11.5 %	10.1 %	114.9 %	0.2 %	13.8 %	0.4 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0123 ppm	0.0009 ppm	5.1399 [SIC 20]	489.9361 ppm	10.2574 [SIC 20]	49.1804 ppm	-0.0346 ppm
Concentration per Run 1	-0.0091 ppm	0.0013 ppm	5.1348 ppm	490.8078 ppm	10.2551 ppm	49.1367 ppm	-0.0350 ppm
Concentration per Run 2	-0.0166 ppm	0.0010 ppm	5.1241 ppm	481.2090 ppm	10.2193 ppm	48.9995 ppm	-0.0312 ppm
Concentration per Run 3	-0.0113 ppm	0.0004 ppm	5.1609 ppm	497.7913 ppm	10.2978 ppm	49.4050 ppm	-0.0377 ppm
Recovery Percentage 1	0.000 %	0.000 %	102.798 %	97.987 %	102.574 %	98.361 %	0.000 %
Concentration RSD	31.3 %	47.5 %	0.4 %	1.7 %	0.4 %	0.4 %	9.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0012 ppm	21.7837 [SIC 200]	0.0028 ppm	0.0010 ppm	-0.0002 ppm	0.0004 ppm	-0.0058 ppm
Concentration per Run 1	-0.0020 ppm	21.7769 ppm	0.0021 ppm	0.0009 ppm	-0.0002 ppm	-0.0003 ppm	-0.0059 ppm
Concentration per Run 2	0.0006 ppm	21.6850 ppm	0.0031 ppm	0.0010 ppm	-0.0001 ppm	0.0005 ppm	-0.0058 ppm
Concentration per Run 3	-0.0022 ppm	21.8892 ppm	0.0033 ppm	0.0011 ppm	-0.0004 ppm	0.0010 ppm	-0.0056 ppm
Recovery Percentage 1	0.000 %	108.918 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	127.4 %	0.5 %	22.7 %	11.2 %	60.0 %	170.1 %	3.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	20.5770 [SIC 20]	98.4804 %	90.6876 %	88.4876 %	100.2790 %	85.4245 %	91.1216 %
Concentration per Run 1	20.5467 ppm	97.8169 %	90.5172 %	88.7987 %	99.3563 %	85.4331 %	90.8974 %
Concentration per Run 2	20.5120 ppm	99.4723 %	90.7726 %	88.5464 %	101.4517 %	85.6484 %	91.2292 %
Concentration per Run 3	20.6721 ppm	98.1521 %	90.7731 %	88.1177 %	100.0289 %	85.1921 %	91.2382 %
Recovery Percentage 1	102.885 %						
Concentration RSD	0.4 %	0.9 %	0.2 %	0.4 %	1.1 %	0.3 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: xIEC 200 Fe
Analysis started at: 9/23/2025 15:00:36
Comments: <Comment>
Rack: 1
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0013 ppm	0.0002 ppm	0.0000 ppm	0.0054 ppm
Concentration per Run 1	0.0001 ppm	-0.0021 ppm	0.0003 ppm	0.0013 ppm	0.0002 ppm	0.0001 ppm	0.0026 ppm
Concentration per Run 2	0.0000 ppm	-0.0025 ppm	-0.0002 ppm	0.0014 ppm	0.0002 ppm	0.0000 ppm	0.0084 ppm
Concentration per Run 3	0.0002 ppm	0.0045 ppm	0.0014 ppm	0.0013 ppm	0.0002 ppm	0.0001 ppm	0.0052 ppm
Recovery Percentage 1	2.056 %	-0.048 %	9.994 %	4.381 %	1.982 %	0.937 %	5.417 %
Concentration RSD	98.6 %	8,182.4 %	159.5 %	4.4 %	2.7 %	60.3 %	53.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0003 ppm	0.0001 ppm	-0.0013 ppm	-0.0013 ppm	194.2503 ppm	-0.0007 ppm	0.0006 ppm
Concentration per Run 1	-0.0002 ppm	0.0000 ppm	-0.0014 ppm	-0.0018 ppm	192.7200 ppm	-0.0010 ppm	-0.0004 ppm
Concentration per Run 2	-0.0004 ppm	0.0003 ppm	-0.0011 ppm	-0.0014 ppm	193.4767 ppm	0.0096 ppm	0.0012 ppm
Concentration per Run 3	-0.0003 ppm	-0.0001 ppm	-0.0013 ppm	-0.0008 ppm	196.5543 ppm	-0.0108 ppm	0.0011 ppm
Recovery Percentage 1	-8.014 %	0.510 %	-12.670 %	-13.326 %	388,500.689 %	-0.029 %	6.366 %
Concentration RSD	31.7 %	471.1 %	9.7 %	36.5 %	1.0 %	1,389.9 %	137.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0024 ppm	-0.0005 ppm	-0.0016 ppm	0.0119 ppm	-0.0156 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run 1	-0.0020 ppm	-0.0006 ppm	-0.0015 ppm	0.0139 ppm	-0.0151 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run 2	-0.0018 ppm	-0.0005 ppm	-0.0017 ppm	0.0104 ppm	-0.0158 ppm	0.0008 ppm	-0.0005 ppm
Concentration per Run 3	-0.0034 ppm	-0.0006 ppm	-0.0015 ppm	0.0113 ppm	-0.0158 ppm	0.0016 ppm	-0.0001 ppm
Recovery Percentage 1	-2.412 %	-5.435 %	-3.145 %	0.594 %	-62.271 %	8.203 %	-0.163 %
Concentration RSD	36.0 %	14.7 %	9.5 %	15.3 %	2.6 %	88.0 %	571.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0031 ppm	-0.0012 ppm	0.0006 ppm	0.0003 ppm	-0.0004 ppm	0.0029 ppm	-0.0010 ppm
Concentration per Run 1	0.0014 ppm	-0.0009 ppm	0.0011 ppm	0.0001 ppm	-0.0005 ppm	0.0023 ppm	-0.0012 ppm
Concentration per Run 2	0.0024 ppm	-0.0003 ppm	0.0004 ppm	0.0004 ppm	-0.0004 ppm	0.0028 ppm	-0.0010 ppm
Concentration per Run 3	0.0055 ppm	-0.0024 ppm	0.0004 ppm	0.0003 ppm	-0.0004 ppm	0.0037 ppm	-0.0008 ppm
Recovery Percentage 1	31.018 %	-0.242 %	1.240 %	2.640 %	-4.263 %	14.620 %	-9.917 %
Concentration RSD	70.3 %	88.1 %	66.4 %	43.3 %	13.4 %	25.7 %	22.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0024 ppm	102.5700 %	99.6950 %	98.0083 %	105.2690 %	95.2392 %	101.0561 %
Concentration per Run 1	-0.0025 ppm	102.6950 %	99.6099 %	97.9687 %	105.2701 %	95.3613 %	101.0853 %
Concentration per Run 2	-0.0023 ppm	102.9127 %	99.8880 %	98.0578 %	105.6545 %	95.3612 %	101.2444 %
Concentration per Run 3	-0.0024 ppm	102.1022 %	99.5870 %	97.9983 %	104.8823 %	94.9950 %	100.8385 %
Recovery Percentage 1	-48.236 %						
Concentration RSD	4.7 %	0.4 %	0.2 %	0.0 %	0.4 %	0.2 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: IEC 500 Al As-
 Analysis started at: 9/23/2025 15:13:05
 Comments: <Comment>
 Rack: 1
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	492.6438 ppm	0.0000 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	-0.0007 ppm	499.5190 ppm	-0.0011 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0028 ppm
Concentration per Run 2	0.0004 ppm	485.7720 ppm	-0.0008 ppm	-0.0006 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm
Concentration per Run 3	-0.0001 ppm	492.6402 ppm	0.0019 ppm	-0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0023 ppm
Recovery Percentage 1	-2.485 %	492,643.757 %	-0.095 %	-1.743 %	1.063 %	0.426 %	0.197 %
Concentration RSD	464.8 %	1.4 %	35,317.7 %	57.6 %	49.1 %	178.6 %	1,363.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0023 ppm	-0.0005 ppm	0.0002 ppm	0.0011 ppm	0.0318 ppm	0.0236 ppm	0.0000 ppm
Concentration per Run 1	-0.0023 ppm	-0.0006 ppm	-0.0004 ppm	0.0009 ppm	0.0513 ppm	0.0490 ppm	0.0010 ppm
Concentration per Run 2	-0.0023 ppm	-0.0005 ppm	0.0004 ppm	0.0009 ppm	0.0266 ppm	0.0079 ppm	-0.0001 ppm
Concentration per Run 3	-0.0022 ppm	-0.0004 ppm	0.0006 ppm	0.0013 ppm	0.0174 ppm	0.0139 ppm	-0.0008 ppm
Recovery Percentage 1	-56.394 %	-4.879 %	2.069 %	10.597 %	63.532 %	0.944 %	0.380 %
Concentration RSD	3.0 %	15.0 %	238.0 %	23.6 %	55.2 %	94.0 %	2,356.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0035 ppm	0.0007 ppm	0.0001 ppm	0.0119 ppm	0.0020 ppm	0.0030 ppm	0.0007 ppm
Concentration per Run 1	0.0042 ppm	0.0005 ppm	-0.0001 ppm	0.0170 ppm	0.0021 ppm	0.0019 ppm	-0.0012 ppm
Concentration per Run 2	0.0022 ppm	0.0005 ppm	0.0003 ppm	0.0112 ppm	0.0018 ppm	0.0042 ppm	0.0018 ppm
Concentration per Run 3	0.0043 ppm	0.0013 ppm	0.0000 ppm	0.0076 ppm	0.0020 ppm	0.0030 ppm	0.0013 ppm
Recovery Percentage 1	3.548 %	7.270 %	0.180 %	0.595 %	7.938 %	30.145 %	1.302 %
Concentration RSD	33.4 %	62.6 %	239.0 %	39.8 %	8.1 %	38.9 %	246.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0042 ppm	-0.0028 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	0.0010 ppm	-0.0004 ppm
Concentration per Run 1	0.0081 ppm	-0.0018 ppm	0.0003 ppm	0.0001 ppm	-0.0003 ppm	0.0014 ppm	-0.0006 ppm
Concentration per Run 2	0.0028 ppm	-0.0046 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run 3	0.0017 ppm	-0.0019 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0014 ppm	-0.0004 ppm
Recovery Percentage 1	41.737 %	-0.554 %	0.265 %	1.077 %	-2.865 %	4.752 %	-4.236 %
Concentration RSD	82.4 %	56.0 %	106.0 %	19.2 %	9.3 %	83.9 %	45.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	101.3289 %	90.0406 %	94.9404 %	104.4966 %	84.9041 %	92.5474 %
Concentration per Run 1	0.0003 ppm	100.8829 %	89.9907 %	95.3661 %	104.1389 %	85.3660 %	92.5003 %
Concentration per Run 2	0.0005 ppm	102.0289 %	89.9698 %	95.2572 %	105.1065 %	85.0895 %	92.5254 %
Concentration per Run 3	0.0001 ppm	101.0750 %	90.1612 %	94.1978 %	104.2445 %	84.2567 %	92.6164 %
Recovery Percentage 1	5.826 %						
Concentration RSD	71.8 %	0.6 %	0.1 %	0.7 %	0.5 %	0.7 %	0.1 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCV
 Analysis started at: 9/23/2025 15:32:45
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5007 ppm	0.5332 ppm	0.4823 ppm	0.4874 ppm	0.4970 ppm	0.5067 ppm	0.5121 ppm
Concentration per Run 1	0.5018 ppm	0.5848 ppm	0.4790 ppm	0.4868 ppm	0.5017 ppm	0.5116 ppm	0.5173 ppm
Concentration per Run 2	0.5002 ppm	0.5080 ppm	0.4814 ppm	0.4861 ppm	0.4939 ppm	0.5038 ppm	0.5133 ppm
Concentration per Run 3	0.5001 ppm	0.5066 ppm	0.4866 ppm	0.4892 ppm	0.4954 ppm	0.5048 ppm	0.5058 ppm
Recovery Percentage 1	100.140 %	106.631 %	96.466 %	97.479 %	99.398 %	101.350 %	102.428 %
Concentration RSD	0.2 %	8.4 %	0.8 %	0.3 %	0.8 %	0.8 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4902 ppm	0.5110 ppm	0.5078 ppm	0.5121 ppm	0.5189 ppm	5.2331 ppm	0.5118 ppm
Concentration per Run 1	0.4898 ppm	0.5109 ppm	0.5080 ppm	0.5130 ppm	0.5341 ppm	5.2608 ppm	0.5163 ppm
Concentration per Run 2	0.4891 ppm	0.5095 ppm	0.5073 ppm	0.5113 ppm	0.5134 ppm	5.2226 ppm	0.5088 ppm
Concentration per Run 3	0.4918 ppm	0.5128 ppm	0.5081 ppm	0.5121 ppm	0.5093 ppm	5.2158 ppm	0.5102 ppm
Recovery Percentage 1	98.045 %	102.209 %	101.559 %	102.427 %	103.780 %	104.661 %	102.356 %
Concentration RSD	0.3 %	0.3 %	0.1 %	0.2 %	2.6 %	0.5 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5099 ppm	0.5130 ppm	0.4858 ppm	10.0996 ppm	0.5060 ppm	0.4991 ppm	0.5082 ppm
Concentration per Run 1	0.5106 ppm	0.5165 ppm	0.4856 ppm	10.2045 ppm	0.5055 ppm	0.4994 ppm	0.5087 ppm
Concentration per Run 2	0.5111 ppm	0.5119 ppm	0.4839 ppm	10.0334 ppm	0.5048 ppm	0.4985 ppm	0.5065 ppm
Concentration per Run 3	0.5081 ppm	0.5107 ppm	0.4879 ppm	10.0609 ppm	0.5077 ppm	0.4994 ppm	0.5093 ppm
Recovery Percentage 1	101.984 %	102.606 %	97.159 %	100.996 %	101.199 %	99.819 %	101.637 %
Concentration RSD	0.3 %	0.6 %	0.4 %	0.9 %	0.3 %	0.1 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4852 ppm	5.4179 ppm	0.4957 ppm	0.5040 ppm	0.5023 ppm	0.5112 ppm	0.5111 ppm
Concentration per Run 1	0.4821 ppm	5.4172 ppm	0.4953 ppm	0.5083 ppm	0.5032 ppm	0.5109 ppm	0.5113 ppm
Concentration per Run 2	0.4870 ppm	5.3978 ppm	0.4956 ppm	0.5010 ppm	0.5015 ppm	0.5108 ppm	0.5105 ppm
Concentration per Run 3	0.4866 ppm	5.4385 ppm	0.4961 ppm	0.5026 ppm	0.5020 ppm	0.5120 ppm	0.5115 ppm
Recovery Percentage 1	97.049 %	103.197 %	99.137 %	100.790 %	100.453 %	102.249 %	102.219 %
Concentration RSD	0.6 %	0.4 %	0.1 %	0.8 %	0.2 %	0.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4934 ppm	101.7272 %	100.1841 %	101.9608 %	104.1468 %	99.1458 %	101.0580 %
Concentration per Run 1	0.4935 ppm	100.7450 %	99.8683 %	102.2354 %	103.1393 %	99.2978 %	100.8335 %
Concentration per Run 2	0.4919 ppm	101.7607 %	100.5511 %	102.1370 %	104.2777 %	99.4044 %	101.4558 %
Concentration per Run 3	0.4947 ppm	102.6758 %	100.1329 %	101.5101 %	105.0233 %	98.7352 %	100.8846 %
Recovery Percentage 1	98.672 %						
Concentration RSD	0.3 %	0.9 %	0.3 %	0.4 %	0.9 %	0.4 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCB
 Analysis started at: 9/23/2025 15:37:00
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0164 ppm	0.0010 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0029 ppm
Concentration per Run 1	-0.0002 ppm	0.0343 ppm	-0.0005 ppm	0.0011 ppm	0.0000 ppm	0.0001 ppm	0.0027 ppm
Concentration per Run 2	-0.0002 ppm	0.0085 ppm	0.0018 ppm	0.0014 ppm	0.0000 ppm	0.0001 ppm	0.0054 ppm
Concentration per Run 3	-0.0003 ppm	0.0064 ppm	0.0018 ppm	0.0015 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm
Recovery Percentage 1	-4.678 %	16.394 %	20.725 %	4.425 %	0.718 %	1.897 %	2.859 %
Concentration RSD	11.4 %	94.9 %	126.0 %	16.6 %	201.8 %	41.2 %	87.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0017 ppm	0.0117 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0021 ppm	0.0231 ppm	0.0017 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0015 ppm	-0.0334 ppm	-0.0019 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0007 ppm	0.0015 ppm	0.0456 ppm	0.0007 ppm
Recovery Percentage 1	0.397 %	-0.403 %	-1.219 %	2.713 %	3.434 %	0.470 %	1.779 %
Concentration RSD	284.2 %	164.9 %	57.8 %	145.9 %	21.2 %	346.6 %	1,047.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0014 ppm	0.0000 ppm	0.0005 ppm	0.0118 ppm	-0.0001 ppm	0.0004 ppm	-0.0008 ppm
Concentration per Run 1	0.0020 ppm	0.0001 ppm	0.0008 ppm	0.0136 ppm	0.0002 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 2	0.0025 ppm	0.0000 ppm	0.0005 ppm	0.0146 ppm	-0.0003 ppm	0.0005 ppm	-0.0011 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0073 ppm	-0.0002 ppm	0.0006 ppm	-0.0008 ppm
Recovery Percentage 1	1.439 %	-0.243 %	1.079 %	0.591 %	-0.489 %	3.615 %	-1.508 %
Concentration RSD	95.9 %	741.5 %	44.1 %	33.5 %	231.3 %	89.5 %	49.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	0.0000 ppm	0.0004 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 1	0.0025 ppm	-0.0005 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0011 ppm	0.0004 ppm
Concentration per Run 2	0.0040 ppm	0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0005 ppm	0.0005 ppm
Concentration per Run 3	-0.0012 ppm	-0.0002 ppm	0.0007 ppm	0.0001 ppm	-0.0002 ppm	-0.0011 ppm	-0.0001 ppm
Recovery Percentage 1	17.554 %	-0.009 %	0.749 %	2.224 %	-0.688 %	0.682 %	2.453 %
Concentration RSD	152.7 %	1,255.6 %	77.9 %	35.2 %	172.2 %	817.1 %	134.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	101.3617 %	101.3268 %	101.0214 %	102.5917 %	100.1132 %	101.3350 %
Concentration per Run 1	0.0000 ppm	100.9502 %	101.3447 %	103.4340 %	101.8957 %	102.6714 %	101.4655 %
Concentration per Run 2	-0.0001 ppm	101.9766 %	100.9279 %	101.1132 %	103.4779 %	100.4660 %	100.8104 %
Concentration per Run 3	0.0001 ppm	101.1584 %	101.7078 %	98.5170 %	102.4015 %	97.2021 %	101.7291 %
Recovery Percentage 1	0.158 %						
Concentration RSD	1,636.8 %	0.5 %	0.4 %	2.4 %	0.8 %	2.7 %	0.5 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2117049-1 WG2117049
 Analysis started at: 9/23/2025 16:09:16
 Comments: <Comment>
 Rack: 1
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0128 ppm	0.0009 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0119 ppm
Concentration per Run 1	0.0005 ppm	0.0174 ppm	0.0002 ppm	-0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0122 ppm
Concentration per Run 2	0.0001 ppm	0.0160 ppm	0.0030 ppm	0.0006 ppm	0.0002 ppm	0.0000 ppm	0.0114 ppm
Concentration per Run 3	0.0002 ppm	0.0051 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0120 ppm
Concentration RSD	76.0 %	52.6 %	195.3 %	224.2 %	26.8 %	121.2 %	3.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0073 ppm	0.0095 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0004 ppm	0.0083 ppm	0.0191 ppm	-0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0008 ppm	0.0077 ppm	0.0043 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0060 ppm	0.0051 ppm	0.0000 ppm
Concentration RSD	3,035.1 %	1,090.2 %	186.4 %	36.8 %	16.3 %	87.7 %	349.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0043 ppm	0.0007 ppm	0.0001 ppm	0.0038 ppm	0.0001 ppm	0.0009 ppm	-0.0008 ppm
Concentration per Run 1	0.0049 ppm	0.0007 ppm	0.0002 ppm	0.0097 ppm	0.0001 ppm	0.0002 ppm	-0.0016 ppm
Concentration per Run 2	0.0013 ppm	0.0011 ppm	0.0001 ppm	0.0015 ppm	0.0003 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run 3	0.0067 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0017 ppm	-0.0012 ppm
Concentration RSD	63.4 %	69.1 %	50.9 %	135.5 %	186.1 %	92.6 %	120.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0016 ppm	0.0091 ppm	-0.0006 ppm	0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 1	0.0016 ppm	0.0083 ppm	-0.0009 ppm	0.0002 ppm	-0.0004 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 2	0.0030 ppm	0.0097 ppm	-0.0005 ppm	0.0001 ppm	-0.0001 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run 3	0.0001 ppm	0.0092 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0001 ppm
Concentration RSD	92.6 %	7.9 %	48.0 %	37.2 %	121.4 %	25.1 %	754.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0007 ppm	102.7853 %	102.2561 %	102.0044 %	102.5885 %	101.5115 %	101.4548 %
Concentration per Run 1	0.0008 ppm	101.9084 %	101.9153 %	103.3872 %	101.0403 %	102.9998 %	101.1677 %
Concentration per Run 2	0.0007 ppm	103.1667 %	102.2894 %	101.0687 %	103.2083 %	100.6547 %	101.5294 %
Concentration per Run 3	0.0006 ppm	103.2808 %	102.5635 %	101.5574 %	103.5170 %	100.8800 %	101.6672 %
Concentration RSD	13.1 %	0.7 %	0.3 %	1.2 %	1.3 %	1.3 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2117049-2 WG2117049
 Analysis started at: 9/23/2025 16:13:46
 Comments: <Comment>
 Rack: 1
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0510 ppm	2.0427 ppm	0.1184 ppm	0.9844 ppm	2.0116 ppm	0.0507 ppm	10.3089 ppm
Concentration per Run 1	0.0510 ppm	2.0679 ppm	0.1185 ppm	0.9856 ppm	2.0455 ppm	0.0515 ppm	10.4697 ppm
Concentration per Run 2	0.0509 ppm	2.0254 ppm	0.1200 ppm	0.9851 ppm	1.9914 ppm	0.0502 ppm	10.2080 ppm
Concentration per Run 3	0.0511 ppm	2.0350 ppm	0.1167 ppm	0.9826 ppm	1.9979 ppm	0.0504 ppm	10.2489 ppm
Concentration RSD	0.3 %	1.1 %	1.4 %	0.2 %	1.5 %	1.4 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0516 ppm	0.4944 ppm	0.1989 ppm	0.2533 ppm	1.0127 ppm	10.7739 ppm	0.0007 ppm
Concentration per Run 1	0.0517 ppm	0.4951 ppm	0.1997 ppm	0.2530 ppm	1.0281 ppm	10.9574 ppm	-0.0001 ppm
Concentration per Run 2	0.0516 ppm	0.4949 ppm	0.1984 ppm	0.2530 ppm	1.0036 ppm	10.6503 ppm	0.0000 ppm
Concentration per Run 3	0.0516 ppm	0.4931 ppm	0.1986 ppm	0.2537 ppm	1.0065 ppm	10.7141 ppm	0.0022 ppm
Concentration RSD	0.1 %	0.2 %	0.3 %	0.2 %	1.3 %	1.5 %	182.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.1654 ppm	0.5046 ppm	0.9837 ppm	10.5399 ppm	0.4978 ppm	0.5089 ppm	0.4967 ppm
Concentration per Run 1	10.1788 ppm	0.5121 ppm	0.9821 ppm	10.7192 ppm	0.4971 ppm	0.5101 ppm	0.4958 ppm
Concentration per Run 2	10.1435 ppm	0.4993 ppm	0.9843 ppm	10.4393 ppm	0.4982 ppm	0.5076 ppm	0.4967 ppm
Concentration per Run 3	10.1740 ppm	0.5023 ppm	0.9849 ppm	10.4611 ppm	0.4981 ppm	0.5091 ppm	0.4978 ppm
Concentration RSD	0.2 %	1.3 %	0.2 %	1.5 %	0.1 %	0.2 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1134 ppm	0.7665 ppm	0.9951 ppm	1.0154 ppm	1.0036 ppm	0.1182 ppm	0.5066 ppm
Concentration per Run 1	0.1113 ppm	0.7668 ppm	0.9952 ppm	1.0323 ppm	1.0045 ppm	0.1175 ppm	0.5079 ppm
Concentration per Run 2	0.1148 ppm	0.7664 ppm	0.9953 ppm	1.0054 ppm	1.0019 ppm	0.1187 ppm	0.5051 ppm
Concentration per Run 3	0.1142 ppm	0.7663 ppm	0.9947 ppm	1.0085 ppm	1.0044 ppm	0.1184 ppm	0.5067 ppm
Concentration RSD	1.7 %	0.0 %	0.0 %	1.5 %	0.1 %	0.5 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4877 ppm	101.3551 %	98.8992 %	100.0599 %	103.2337 %	97.3291 %	99.6624 %
Concentration per Run 1	0.4877 ppm	99.9364 %	99.0132 %	100.0221 %	101.7005 %	97.3193 %	99.8605 %
Concentration per Run 2	0.4883 ppm	101.9873 %	98.8118 %	100.0305 %	104.1229 %	97.1477 %	99.6133 %
Concentration per Run 3	0.4871 ppm	102.1415 %	98.8726 %	100.1271 %	103.8778 %	97.5203 %	99.5134 %
Concentration RSD	0.1 %	1.2 %	0.1 %	0.1 %	1.3 %	0.2 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558203-02 WG2117049
 Analysis started at: 9/23/2025 16:18:08
 Comments: <Comment>
 Rack: 1
 Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0216 ppm	0.0038 ppm	0.3680 ppm	-0.0003 ppm	0.0000 ppm	92.0884 ppm
Concentration per Run 1	0.0004 ppm	0.0228 ppm	0.0034 ppm	0.3624 ppm	-0.0004 ppm	0.0000 ppm	92.8790 ppm
Concentration per Run 2	-0.0002 ppm	0.0202 ppm	0.0044 ppm	0.3596 ppm	-0.0004 ppm	0.0000 ppm	91.5358 ppm
Concentration per Run 3	0.0007 ppm	0.0217 ppm	0.0035 ppm	0.3821 ppm	-0.0002 ppm	0.0000 ppm	91.8504 ppm
Concentration RSD	165.6 %	6.1 %	14.2 %	3.3 %	39.1 %	83.8 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0007 ppm	0.0114 ppm	0.0012 ppm	24.0082 ppm	0.0272 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	0.0010 ppm	0.0112 ppm	0.0012 ppm	24.1913 ppm	0.0257 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0109 ppm	-0.0013 ppm	23.8516 ppm	0.0264 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	0.0006 ppm	0.0119 ppm	0.0036 ppm	23.9818 ppm	0.0294 ppm
Concentration RSD	52.0 %	513.8 %	31.5 %	4.6 %	205.6 %	0.7 %	7.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	43.0484 ppm	0.0765 ppm	0.0129 ppm	440.3906 ppm	-0.0005 ppm	0.0032 ppm	0.0012 ppm
Concentration per Run 1	43.0994 ppm	0.0771 ppm	0.0129 ppm	447.7380 ppm	-0.0003 ppm	0.0034 ppm	0.0031 ppm
Concentration per Run 2	43.0470 ppm	0.0765 ppm	0.0128 ppm	438.2183 ppm	-0.0005 ppm	0.0033 ppm	-0.0006 ppm
Concentration per Run 3	42.9989 ppm	0.0760 ppm	0.0130 ppm	435.2156 ppm	-0.0006 ppm	0.0031 ppm	0.0010 ppm
Concentration RSD	0.1 %	0.7 %	0.7 %	1.5 %	35.8 %	5.2 %	161.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0026 ppm	5.6729 ppm	0.0003 ppm	0.6964 ppm	0.0006 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 1	0.0013 ppm	5.5737 ppm	0.0010 ppm	0.7020 ppm	0.0004 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run 2	0.0028 ppm	5.5473 ppm	-0.0002 ppm	0.6930 ppm	0.0007 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 3	0.0038 ppm	5.8977 ppm	0.0002 ppm	0.6943 ppm	0.0006 ppm	-0.0003 ppm	0.0000 ppm
Concentration RSD	47.2 %	3.4 %	185.7 %	0.7 %	24.7 %	151.7 %	907.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0120 ppm	99.2684 %	91.4746 %	91.5260 %	100.6643 %	82.1839 %	91.9602 %
Concentration per Run 1	0.0118 ppm	99.3349 %	91.4521 %	93.2140 %	100.0037 %	83.5143 %	91.8681 %
Concentration per Run 2	0.0118 ppm	99.3294 %	91.6103 %	92.9439 %	100.9526 %	83.6982 %	92.1297 %
Concentration per Run 3	0.0123 ppm	99.1409 %	91.3613 %	88.4201 %	101.0367 %	79.3393 %	91.8827 %
Concentration RSD	2.1 %	0.1 %	0.1 %	2.9 %	0.6 %	3.0 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558319-01 WG2117049
 Analysis started at: 9/23/2025 16:22:46
 Comments: <Comment>
 Rack: 1
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	2.1270 ppm	0.0114 ppm	0.1123 ppm	0.0848 ppm	0.0002 ppm	68.3388 ppm
Concentration per Run 1	-0.0001 ppm	2.1642 ppm	0.0116 ppm	0.1121 ppm	0.0860 ppm	0.0002 ppm	69.6230 ppm
Concentration per Run 2	0.0000 ppm	2.1087 ppm	0.0100 ppm	0.1124 ppm	0.0844 ppm	0.0002 ppm	67.8488 ppm
Concentration per Run 3	0.0002 ppm	2.1081 ppm	0.0126 ppm	0.1125 ppm	0.0839 ppm	0.0002 ppm	67.5446 ppm
Concentration RSD	876.4 %	1.5 %	11.2 %	0.2 %	1.3 %	5.9 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0028 ppm	0.0045 ppm	0.0155 ppm	3.9428 ppm	8.7239 ppm	0.0079 ppm
Concentration per Run 1	0.0001 ppm	0.0028 ppm	0.0046 ppm	0.0153 ppm	4.0240 ppm	8.8414 ppm	0.0070 ppm
Concentration per Run 2	0.0001 ppm	0.0029 ppm	0.0043 ppm	0.0156 ppm	3.9103 ppm	8.6789 ppm	0.0087 ppm
Concentration per Run 3	0.0001 ppm	0.0027 ppm	0.0045 ppm	0.0157 ppm	3.8941 ppm	8.6515 ppm	0.0079 ppm
Concentration RSD	44.8 %	4.5 %	2.8 %	1.6 %	1.8 %	1.2 %	10.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.7966 ppm	0.6721 ppm	0.0049 ppm	458.0709 ppm	0.0038 ppm	0.0343 ppm	-0.0010 ppm
Concentration per Run 1	12.7868 ppm	0.6864 ppm	0.0050 ppm	468.6106 ppm	0.0042 ppm	0.0337 ppm	-0.0016 ppm
Concentration per Run 2	12.8368 ppm	0.6678 ppm	0.0047 ppm	451.7237 ppm	0.0037 ppm	0.0342 ppm	-0.0017 ppm
Concentration per Run 3	12.7662 ppm	0.6622 ppm	0.0051 ppm	453.8784 ppm	0.0035 ppm	0.0351 ppm	0.0003 ppm
Concentration RSD	0.3 %	1.9 %	3.6 %	2.0 %	9.8 %	2.1 %	111.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	13.2482 ppm	-0.0001 ppm	0.5865 ppm	0.1003 ppm	0.0008 ppm	0.0097 ppm
Concentration per Run 1	0.0021 ppm	13.1802 ppm	0.0005 ppm	0.5971 ppm	0.1002 ppm	0.0011 ppm	0.0098 ppm
Concentration per Run 2	0.0016 ppm	13.2679 ppm	-0.0001 ppm	0.5818 ppm	0.1007 ppm	0.0004 ppm	0.0097 ppm
Concentration per Run 3	-0.0047 ppm	13.2966 ppm	-0.0007 ppm	0.5806 ppm	0.0999 ppm	0.0009 ppm	0.0097 ppm
Concentration RSD	1,111.2 %	0.5 %	568.4 %	1.6 %	0.4 %	43.3 %	0.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0408 ppm	101.5633 %	93.5036 %	94.6527 %	102.2264 %	85.0224 %	93.2700 %
Concentration per Run 1	0.0409 ppm	100.0893 %	93.4930 %	95.0814 %	100.7088 %	85.4430 %	93.2715 %
Concentration per Run 2	0.0408 ppm	102.1655 %	93.2473 %	94.5569 %	102.9390 %	84.8880 %	93.0103 %
Concentration per Run 3	0.0405 ppm	102.4350 %	93.7704 %	94.3198 %	103.0315 %	84.7363 %	93.5282 %
Concentration RSD	0.5 %	1.3 %	0.3 %	0.4 %	1.3 %	0.4 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2117049-3 WG2117049
 Analysis started at: 9/23/2025 16:27:22
 Comments: <Comment>
 Rack: 1
 Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0526 ppm	5.2610 ppm	0.1417 ppm	1.1712 ppm	2.0843 ppm	0.0510 ppm	76.5338 ppm
Concentration per Run 1	0.0525 ppm	5.2989 ppm	0.1414 ppm	1.1767 ppm	2.1011 ppm	0.0515 ppm	77.1532 ppm
Concentration per Run 2	0.0524 ppm	5.2292 ppm	0.1420 ppm	1.1750 ppm	2.0720 ppm	0.0508 ppm	76.0606 ppm
Concentration per Run 3	0.0528 ppm	5.2549 ppm	0.1417 ppm	1.1619 ppm	2.0798 ppm	0.0507 ppm	76.3877 ppm
Concentration RSD	0.4 %	0.7 %	0.2 %	0.7 %	0.7 %	0.9 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0546 ppm	0.5112 ppm	0.2026 ppm	0.2728 ppm	5.9125 ppm	20.0123 ppm	0.0106 ppm
Concentration per Run 1	0.0549 ppm	0.5123 ppm	0.2021 ppm	0.2726 ppm	5.9658 ppm	20.1334 ppm	0.0106 ppm
Concentration per Run 2	0.0547 ppm	0.5139 ppm	0.2030 ppm	0.2722 ppm	5.8746 ppm	19.9083 ppm	0.0106 ppm
Concentration per Run 3	0.0543 ppm	0.5073 ppm	0.2029 ppm	0.2735 ppm	5.8970 ppm	19.9952 ppm	0.0107 ppm
Concentration RSD	0.5 %	0.7 %	0.2 %	0.2 %	0.8 %	0.6 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	22.4977 ppm	1.1507 ppm	1.0430 ppm	459.4758 ppm	0.5125 ppm	0.5500 ppm	0.5206 ppm
Concentration per Run 1	22.4800 ppm	1.1619 ppm	1.0464 ppm	462.6541 ppm	0.5155 ppm	0.5514 ppm	0.5225 ppm
Concentration per Run 2	22.4756 ppm	1.1447 ppm	1.0456 ppm	454.7692 ppm	0.5133 ppm	0.5506 ppm	0.5215 ppm
Concentration per Run 3	22.5374 ppm	1.1455 ppm	1.0371 ppm	461.0040 ppm	0.5088 ppm	0.5481 ppm	0.5179 ppm
Concentration RSD	0.2 %	0.8 %	0.5 %	0.9 %	0.7 %	0.3 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1258 ppm	15.5020 ppm	0.9726 ppm	1.5837 ppm	1.1442 ppm	0.1125 ppm	0.5187 ppm
Concentration per Run 1	0.1274 ppm	15.5635 ppm	0.9759 ppm	1.5973 ppm	1.1421 ppm	0.1128 ppm	0.5185 ppm
Concentration per Run 2	0.1246 ppm	15.5571 ppm	0.9749 ppm	1.5743 ppm	1.1448 ppm	0.1130 ppm	0.5185 ppm
Concentration per Run 3	0.1254 ppm	15.3854 ppm	0.9669 ppm	1.5795 ppm	1.1457 ppm	0.1118 ppm	0.5189 ppm
Concentration RSD	1.2 %	0.7 %	0.5 %	0.8 %	0.2 %	0.6 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5650 ppm	101.7991 %	93.1932 %	94.8727 %	102.4018 %	85.4459 %	93.1176 %
Concentration per Run 1	0.5674 ppm	102.3180 %	93.2281 %	94.6988 %	102.2270 %	85.3192 %	93.1396 %
Concentration per Run 2	0.5657 ppm	102.5466 %	93.1738 %	94.4294 %	103.2456 %	85.0474 %	93.0257 %
Concentration per Run 3	0.5618 ppm	100.5327 %	93.1776 %	95.4899 %	101.7327 %	85.9712 %	93.1875 %
Concentration RSD	0.5 %	1.1 %	0.0 %	0.6 %	0.8 %	0.6 %	0.1 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2117049-4 WG2117049
 Analysis started at: 9/23/2025 16:31:43
 Comments: <Comment>
 Rack: 1
 Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	3.0851 ppm	0.0109 ppm	0.1124 ppm	0.0863 ppm	0.0002 ppm	67.2147 ppm
Concentration per Run 1	-0.0002 ppm	3.1132 ppm	0.0122 ppm	0.1122 ppm	0.0868 ppm	0.0001 ppm	67.8506 ppm
Concentration per Run 2	0.0003 ppm	3.0776 ppm	0.0134 ppm	0.1130 ppm	0.0862 ppm	0.0001 ppm	66.9949 ppm
Concentration per Run 3	0.0001 ppm	3.0644 ppm	0.0071 ppm	0.1120 ppm	0.0858 ppm	0.0002 ppm	66.7984 ppm
Concentration RSD	258.6 %	0.8 %	30.4 %	0.5 %	0.6 %	27.1 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0032 ppm	0.0068 ppm	0.0164 ppm	5.0725 ppm	8.7286 ppm	0.0106 ppm
Concentration per Run 1	0.0001 ppm	0.0029 ppm	0.0068 ppm	0.0166 ppm	5.1211 ppm	8.7934 ppm	0.0100 ppm
Concentration per Run 2	0.0001 ppm	0.0034 ppm	0.0066 ppm	0.0162 ppm	5.0540 ppm	8.7363 ppm	0.0107 ppm
Concentration per Run 3	0.0002 ppm	0.0033 ppm	0.0071 ppm	0.0165 ppm	5.0423 ppm	8.6562 ppm	0.0110 ppm
Concentration RSD	40.2 %	7.1 %	3.6 %	1.2 %	0.8 %	0.8 %	5.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	13.0524 ppm	0.6689 ppm	0.0062 ppm	451.0561 ppm	0.0048 ppm	0.0349 ppm	-0.0004 ppm
Concentration per Run 1	13.0606 ppm	0.6746 ppm	0.0062 ppm	454.5197 ppm	0.0049 ppm	0.0356 ppm	-0.0001 ppm
Concentration per Run 2	13.0485 ppm	0.6665 ppm	0.0063 ppm	451.0167 ppm	0.0046 ppm	0.0338 ppm	0.0005 ppm
Concentration per Run 3	13.0482 ppm	0.6657 ppm	0.0061 ppm	447.6319 ppm	0.0047 ppm	0.0353 ppm	-0.0017 ppm
Concentration RSD	0.1 %	0.7 %	2.4 %	0.8 %	3.8 %	2.8 %	266.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	14.6888 ppm	0.0012 ppm	0.5781 ppm	0.1563 ppm	-0.0001 ppm	0.0114 ppm
Concentration per Run 1	-0.0007 ppm	14.6391 ppm	0.0014 ppm	0.5823 ppm	0.1569 ppm	0.0003 ppm	0.0112 ppm
Concentration per Run 2	0.0016 ppm	14.7761 ppm	0.0005 ppm	0.5760 ppm	0.1560 ppm	-0.0003 ppm	0.0114 ppm
Concentration per Run 3	0.0034 ppm	14.6512 ppm	0.0016 ppm	0.5761 ppm	0.1559 ppm	-0.0003 ppm	0.0115 ppm
Concentration RSD	146.1 %	0.5 %	52.3 %	0.6 %	0.4 %	436.6 %	1.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0460 ppm	102.8526 %	93.4741 %	94.2016 %	103.2554 %	85.1650 %	93.4470 %
Concentration per Run 1	0.0459 ppm	102.7469 %	93.5773 %	94.8362 %	102.5613 %	85.5212 %	93.4543 %
Concentration per Run 2	0.0464 ppm	102.7180 %	93.4003 %	93.5262 %	103.3312 %	84.6671 %	93.3961 %
Concentration per Run 3	0.0458 ppm	103.0931 %	93.4449 %	94.2425 %	103.8737 %	85.3068 %	93.4905 %
Concentration RSD	0.6 %	0.2 %	0.1 %	0.7 %	0.6 %	0.5 %	0.1 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2117049-5 WG2117049
 Analysis started at: 9/23/2025 16:36:20
 Comments: <Comment>
 Rack: 1
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0477 ppm	1.9322 ppm	0.1172 ppm	0.9703 ppm	1.9058 ppm	0.0481 ppm	9.8469 ppm
Concentration per Run 1	0.0479 ppm	1.9588 ppm	0.1156 ppm	0.9542 ppm	1.9338 ppm	0.0490 ppm	10.0149 ppm
Concentration per Run 2	0.0476 ppm	1.9237 ppm	0.1177 ppm	0.9719 ppm	1.8955 ppm	0.0478 ppm	9.7605 ppm
Concentration per Run 3	0.0476 ppm	1.9142 ppm	0.1184 ppm	0.9849 ppm	1.8882 ppm	0.0476 ppm	9.7653 ppm
Concentration RSD	0.4 %	1.2 %	1.2 %	1.6 %	1.3 %	1.5 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0504 ppm	0.4710 ppm	0.1879 ppm	0.2366 ppm	0.9552 ppm	10.3392 ppm	0.0003 ppm
Concentration per Run 1	0.0497 ppm	0.4649 ppm	0.1877 ppm	0.2364 ppm	0.9744 ppm	10.4783 ppm	0.0009 ppm
Concentration per Run 2	0.0505 ppm	0.4712 ppm	0.1877 ppm	0.2365 ppm	0.9466 ppm	10.2610 ppm	0.0003 ppm
Concentration per Run 3	0.0510 ppm	0.4769 ppm	0.1884 ppm	0.2370 ppm	0.9445 ppm	10.2782 ppm	-0.0002 ppm
Concentration RSD	1.2 %	1.3 %	0.2 %	0.1 %	1.7 %	1.2 %	164.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.7110 ppm	0.4736 ppm	0.9470 ppm	10.2540 ppm	0.4748 ppm	0.5024 ppm	0.4732 ppm
Concentration per Run 1	9.6887 ppm	0.4805 ppm	0.9312 ppm	10.4448 ppm	0.4681 ppm	0.4947 ppm	0.4634 ppm
Concentration per Run 2	9.7071 ppm	0.4699 ppm	0.9502 ppm	10.1843 ppm	0.4751 ppm	0.5045 ppm	0.4763 ppm
Concentration per Run 3	9.7372 ppm	0.4702 ppm	0.9596 ppm	10.1330 ppm	0.4811 ppm	0.5080 ppm	0.4798 ppm
Concentration RSD	0.3 %	1.3 %	1.5 %	1.6 %	1.4 %	1.4 %	1.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1150 ppm	0.7766 ppm	0.9623 ppm	0.9695 ppm	0.9537 ppm	0.1171 ppm	0.4772 ppm
Concentration per Run 1	0.1136 ppm	0.7641 ppm	0.9457 ppm	0.9837 ppm	0.9524 ppm	0.1168 ppm	0.4768 ppm
Concentration per Run 2	0.1121 ppm	0.7787 ppm	0.9682 ppm	0.9639 ppm	0.9528 ppm	0.1185 ppm	0.4765 ppm
Concentration per Run 3	0.1194 ppm	0.7869 ppm	0.9730 ppm	0.9608 ppm	0.9561 ppm	0.1161 ppm	0.4784 ppm
Concentration RSD	3.3 %	1.5 %	1.5 %	1.3 %	0.2 %	1.1 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4692 ppm	102.3323 %	99.7721 %	98.9684 %	102.7867 %	96.9590 %	100.2448 %
Concentration per Run 1	0.4624 ppm	101.4037 %	100.2696 %	100.1535 %	101.3292 %	98.2751 %	100.6228 %
Concentration per Run 2	0.4710 ppm	103.3842 %	99.7108 %	98.7330 %	103.9798 %	96.6688 %	100.2368 %
Concentration per Run 3	0.4742 ppm	102.2090 %	99.3360 %	98.0185 %	103.0511 %	95.9332 %	99.8749 %
Concentration RSD	1.3 %	1.0 %	0.5 %	1.1 %	1.3 %	1.2 %	0.4 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2117049-6d5 WG2117049
 Analysis started at: 9/23/2025 16:40:33
 Comments: <Comment>
 Rack: 1
 Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.4160 ppm	0.0028 ppm	0.0238 ppm	0.0168 ppm	0.0001 ppm	13.4185 ppm
Concentration per Run 1	0.0005 ppm	0.4189 ppm	0.0024 ppm	0.0243 ppm	0.0172 ppm	0.0001 ppm	13.6658 ppm
Concentration per Run 2	-0.0004 ppm	0.4199 ppm	0.0012 ppm	0.0230 ppm	0.0169 ppm	0.0001 ppm	13.3152 ppm
Concentration per Run 3	0.0001 ppm	0.4092 ppm	0.0048 ppm	0.0240 ppm	0.0165 ppm	0.0000 ppm	13.2744 ppm
Concentration RSD	794.1 %	1.4 %	65.2 %	2.9 %	2.2 %	36.3 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0005 ppm	0.0006 ppm	0.0038 ppm	0.7817 ppm	1.6409 ppm	0.0018 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	0.0006 ppm	0.0036 ppm	0.7983 ppm	1.6897 ppm	0.0011 ppm
Concentration per Run 2	0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0035 ppm	0.7744 ppm	1.6088 ppm	0.0025 ppm
Concentration per Run 3	0.0001 ppm	0.0007 ppm	0.0005 ppm	0.0041 ppm	0.7723 ppm	1.6243 ppm	0.0019 ppm
Concentration RSD	82.0 %	50.1 %	29.4 %	8.5 %	1.8 %	2.6 %	38.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.6597 ppm	0.1328 ppm	0.0017 ppm	91.5978 ppm	0.0005 ppm	0.0076 ppm	0.0009 ppm
Concentration per Run 1	2.6629 ppm	0.1351 ppm	0.0020 ppm	93.1515 ppm	0.0008 ppm	0.0084 ppm	0.0009 ppm
Concentration per Run 2	2.6646 ppm	0.1317 ppm	0.0016 ppm	90.9591 ppm	0.0002 ppm	0.0070 ppm	0.0018 ppm
Concentration per Run 3	2.6516 ppm	0.1314 ppm	0.0015 ppm	90.6828 ppm	0.0006 ppm	0.0074 ppm	0.0001 ppm
Concentration RSD	0.3 %	1.5 %	14.1 %	1.5 %	61.3 %	9.3 %	92.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0023 ppm	2.4853 ppm	0.0006 ppm	0.1162 ppm	0.0199 ppm	0.0007 ppm	0.0020 ppm
Concentration per Run 1	0.0029 ppm	2.4554 ppm	0.0000 ppm	0.1184 ppm	0.0200 ppm	0.0008 ppm	0.0021 ppm
Concentration per Run 2	0.0019 ppm	2.4630 ppm	0.0001 ppm	0.1154 ppm	0.0198 ppm	0.0015 ppm	0.0021 ppm
Concentration per Run 3	0.0020 ppm	2.5375 ppm	0.0016 ppm	0.1149 ppm	0.0200 ppm	-0.0002 ppm	0.0018 ppm
Concentration RSD	24.1 %	1.8 %	160.6 %	1.6 %	0.7 %	123.0 %	8.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0079 ppm	102.7695 %	98.7644 %	98.5449 %	103.7416 %	94.6190 %	99.5991 %
Concentration per Run 1	0.0080 ppm	101.8062 %	98.7036 %	99.2905 %	101.8707 %	95.6121 %	99.5509 %
Concentration per Run 2	0.0078 ppm	103.5553 %	98.4723 %	99.3738 %	104.6638 %	95.3136 %	99.3217 %
Concentration per Run 3	0.0080 ppm	102.9471 %	99.1173 %	96.9703 %	104.6902 %	92.9312 %	99.9247 %
Concentration RSD	1.6 %	0.9 %	0.3 %	1.4 %	1.6 %	1.6 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCV
 Analysis started at: 9/23/2025 16:45:01
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4909 ppm	0.5057 ppm	0.4754 ppm	0.4821 ppm	0.4972 ppm	0.5004 ppm	0.5108 ppm
Concentration per Run 1	0.4916 ppm	0.5139 ppm	0.4764 ppm	0.4811 ppm	0.5053 ppm	0.5083 ppm	0.5165 ppm
Concentration per Run 2	0.4904 ppm	0.4980 ppm	0.4765 ppm	0.4829 ppm	0.4946 ppm	0.4985 ppm	0.5114 ppm
Concentration per Run 3	0.4906 ppm	0.5052 ppm	0.4733 ppm	0.4822 ppm	0.4919 ppm	0.4945 ppm	0.5044 ppm
Recovery Percentage 1	98.174 %	101.142 %	95.085 %	96.412 %	99.447 %	100.079 %	102.150 %
Concentration RSD	0.1 %	1.6 %	0.4 %	0.2 %	1.4 %	1.4 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4861 ppm	0.5001 ppm	0.5012 ppm	0.5064 ppm	0.4999 ppm	5.1701 ppm	0.5115 ppm
Concentration per Run 1	0.4847 ppm	0.5004 ppm	0.5012 ppm	0.5074 ppm	0.5079 ppm	5.2690 ppm	0.5196 ppm
Concentration per Run 2	0.4873 ppm	0.5008 ppm	0.5015 ppm	0.5062 ppm	0.4984 ppm	5.1225 ppm	0.5082 ppm
Concentration per Run 3	0.4862 ppm	0.4991 ppm	0.5010 ppm	0.5057 ppm	0.4933 ppm	5.1186 ppm	0.5068 ppm
Recovery Percentage 1	97.217 %	100.015 %	100.247 %	101.288 %	99.976 %	103.401 %	102.303 %
Concentration RSD	0.3 %	0.2 %	0.1 %	0.2 %	1.5 %	1.7 %	1.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5014 ppm	0.5005 ppm	0.4825 ppm	10.1145 ppm	0.4984 ppm	0.4954 ppm	0.5016 ppm
Concentration per Run 1	0.5055 ppm	0.5091 ppm	0.4812 ppm	10.2843 ppm	0.4988 ppm	0.4936 ppm	0.5019 ppm
Concentration per Run 2	0.4990 ppm	0.4985 ppm	0.4835 ppm	10.0738 ppm	0.4989 ppm	0.4955 ppm	0.5013 ppm
Concentration per Run 3	0.4997 ppm	0.4940 ppm	0.4827 ppm	9.9855 ppm	0.4974 ppm	0.4972 ppm	0.5017 ppm
Recovery Percentage 1	100.285 %	100.103 %	96.496 %	101.145 %	99.675 %	99.082 %	100.325 %
Concentration RSD	0.7 %	1.5 %	0.2 %	1.5 %	0.2 %	0.4 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4839 ppm	5.3794 ppm	0.4870 ppm	0.5021 ppm	0.4955 ppm	0.5071 ppm	0.5030 ppm
Concentration per Run 1	0.4846 ppm	5.3673 ppm	0.4864 ppm	0.5100 ppm	0.4959 ppm	0.5053 ppm	0.5018 ppm
Concentration per Run 2	0.4828 ppm	5.3853 ppm	0.4888 ppm	0.4998 ppm	0.4945 ppm	0.5085 ppm	0.5041 ppm
Concentration per Run 3	0.4844 ppm	5.3856 ppm	0.4858 ppm	0.4966 ppm	0.4962 ppm	0.5074 ppm	0.5031 ppm
Recovery Percentage 1	96.782 %	102.464 %	97.401 %	100.423 %	99.105 %	101.415 %	100.596 %
Concentration RSD	0.2 %	0.2 %	0.3 %	1.4 %	0.2 %	0.3 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4889 ppm	102.9228 %	100.6585 %	101.2378 %	103.5426 %	99.1738 %	101.2061 %
Concentration per Run 1	0.4880 ppm	101.9573 %	100.7820 %	101.4636 %	101.9671 %	99.3362 %	101.2981 %
Concentration per Run 2	0.4898 ppm	102.8283 %	100.8365 %	101.1929 %	103.9051 %	98.9793 %	101.3585 %
Concentration per Run 3	0.4888 ppm	103.9830 %	100.3569 %	101.0569 %	104.7557 %	99.2059 %	100.9617 %
Recovery Percentage 1	97.770 %						
Concentration RSD	0.2 %	1.0 %	0.3 %	0.2 %	1.4 %	0.2 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCB
Analysis started at: 9/23/2025 16:49:17
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0008 ppm	0.0004 ppm	0.0017 ppm	0.0002 ppm	0.0001 ppm	0.0073 ppm
Concentration per Run 1	0.0001 ppm	-0.0009 ppm	-0.0012 ppm	0.0021 ppm	0.0001 ppm	0.0001 ppm	0.0090 ppm
Concentration per Run 2	-0.0006 ppm	0.0004 ppm	0.0012 ppm	0.0016 ppm	0.0003 ppm	0.0001 ppm	0.0112 ppm
Concentration per Run 3	0.0003 ppm	-0.0019 ppm	0.0011 ppm	0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0017 ppm
Recovery Percentage 1	-1.667 %	-0.800 %	7.522 %	5.505 %	1.628 %	1.503 %	7.306 %
Concentration RSD	548.7 %	145.4 %	352.3 %	27.8 %	82.8 %	33.4 %	68.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0013 ppm	0.0014 ppm	0.0010 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0000 ppm	0.0027 ppm	-0.0175 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0128 ppm	0.0024 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0010 ppm	0.0002 ppm	0.0007 ppm	0.0344 ppm	0.0007 ppm
Recovery Percentage 1	1.269 %	-0.666 %	2.338 %	0.862 %	2.527 %	0.055 %	10.138 %
Concentration RSD	35.5 %	181.3 %	286.6 %	134.2 %	100.7 %	2,078.2 %	119.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0015 ppm	-0.0002 ppm	0.0004 ppm	0.0469 ppm	0.0000 ppm	0.0003 ppm	0.0009 ppm
Concentration per Run 1	0.0043 ppm	-0.0004 ppm	0.0004 ppm	0.0369 ppm	-0.0002 ppm	-0.0008 ppm	0.0024 ppm
Concentration per Run 2	0.0019 ppm	-0.0001 ppm	0.0004 ppm	0.0507 ppm	0.0000 ppm	0.0001 ppm	-0.0007 ppm
Concentration per Run 3	-0.0017 ppm	0.0000 ppm	0.0004 ppm	0.0532 ppm	0.0000 ppm	0.0016 ppm	0.0009 ppm
Recovery Percentage 1	1.498 %	-1.593 %	0.841 %	2.345 %	-0.168 %	3.326 %	1.756 %
Concentration RSD	199.2 %	143.7 %	3.8 %	18.7 %	312.9 %	360.6 %	173.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0016 ppm	-0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 1	0.0021 ppm	0.0008 ppm	0.0007 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run 2	0.0015 ppm	-0.0006 ppm	0.0007 ppm	0.0000 ppm	0.0003 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run 3	0.0011 ppm	-0.0012 ppm	-0.0006 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0004 ppm
Recovery Percentage 1	15.576 %	-0.064 %	0.503 %	0.495 %	0.908 %	1.260 %	2.225 %
Concentration RSD	33.3 %	305.0 %	292.8 %	83.6 %	204.5 %	303.7 %	130.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	102.3050 %	101.1119 %	101.3397 %	101.4317 %	100.5251 %	100.3487 %
Concentration per Run 1	-0.0002 ppm	101.2630 %	100.9756 %	101.9468 %	99.5360 %	101.1386 %	100.6718 %
Concentration per Run 2	-0.0001 ppm	102.9379 %	100.9182 %	101.3918 %	102.9607 %	100.9795 %	99.6930 %
Concentration per Run 3	0.0001 ppm	102.7140 %	101.4418 %	100.6805 %	101.7984 %	99.4573 %	100.6813 %
Recovery Percentage 1	-0.804 %						
Concentration RSD	411.0 %	0.9 %	0.3 %	0.6 %	1.7 %	0.9 %	0.6 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2556715-11 WG2114061
 Analysis started at: 9/23/2025 17:26:22
 Comments: <Comment>
 Rack: 1
 Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0301 ppm	0.0058 ppm	0.5866 ppm	5.8630 ppm	0.0000 ppm	164.5300 ppm
Concentration per Run 1	-0.0001 ppm	0.0319 ppm	0.0048 ppm	0.5876 ppm	5.9169 ppm	0.0000 ppm	165.0363 ppm
Concentration per Run 2	0.0003 ppm	0.0252 ppm	0.0048 ppm	0.5820 ppm	5.8432 ppm	0.0000 ppm	164.4898 ppm
Concentration per Run 3	0.0005 ppm	0.0332 ppm	0.0079 ppm	0.5901 ppm	5.8289 ppm	0.0001 ppm	164.0638 ppm
Concentration RSD	122.4 %	14.2 %	30.6 %	0.7 %	0.8 %	82.3 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0028 ppm	0.0020 ppm	0.0021 ppm	30.5335 ppm	45.5576 ppm	0.0366 ppm
Concentration per Run 1	-0.0001 ppm	0.0027 ppm	0.0021 ppm	0.0019 ppm	30.6332 ppm	45.6270 ppm	0.0361 ppm
Concentration per Run 2	0.0000 ppm	0.0028 ppm	0.0018 ppm	0.0021 ppm	30.5213 ppm	45.6053 ppm	0.0361 ppm
Concentration per Run 3	-0.0002 ppm	0.0028 ppm	0.0020 ppm	0.0023 ppm	30.4459 ppm	45.4404 ppm	0.0376 ppm
Concentration RSD	61.5 %	2.9 %	7.8 %	11.6 %	0.3 %	0.2 %	2.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	80.1851 ppm	0.5270 ppm	0.0000 ppm	209.8472 ppm	0.0209 ppm	0.0038 ppm	-0.0012 ppm
Concentration per Run 1	80.2491 ppm	0.5292 ppm	0.0000 ppm	212.0512 ppm	0.0207 ppm	0.0039 ppm	-0.0022 ppm
Concentration per Run 2	80.3208 ppm	0.5274 ppm	0.0003 ppm	208.1947 ppm	0.0210 ppm	0.0044 ppm	-0.0009 ppm
Concentration per Run 3	79.9854 ppm	0.5244 ppm	-0.0004 ppm	209.2957 ppm	0.0211 ppm	0.0031 ppm	-0.0006 ppm
Concentration RSD	0.2 %	0.5 %	1,438.3 %	0.9 %	0.9 %	17.8 %	69.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0035 ppm	9.5905 ppm	0.0000 ppm	1.9020 ppm	0.0028 ppm	0.0007 ppm	0.0041 ppm
Concentration per Run 1	0.0039 ppm	9.6156 ppm	-0.0002 ppm	1.9037 ppm	0.0029 ppm	0.0002 ppm	0.0041 ppm
Concentration per Run 2	0.0045 ppm	9.5131 ppm	0.0007 ppm	1.9003 ppm	0.0028 ppm	0.0012 ppm	0.0042 ppm
Concentration per Run 3	0.0020 ppm	9.6428 ppm	-0.0006 ppm	1.9021 ppm	0.0027 ppm	0.0007 ppm	0.0041 ppm
Concentration RSD	38.9 %	0.7 %	4,666.6 %	0.1 %	4.8 %	71.0 %	1.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0019 ppm	101.0930 %	93.3662 %	94.1307 %	103.0880 %	86.3544 %	93.7688 %
Concentration per Run 1	0.0020 ppm	100.8905 %	93.4355 %	94.0593 %	102.8907 %	86.3050 %	94.0049 %
Concentration per Run 2	0.0019 ppm	100.9458 %	93.2698 %	94.7657 %	103.0346 %	87.0519 %	93.6567 %
Concentration per Run 3	0.0018 ppm	101.4427 %	93.3932 %	93.5672 %	103.3386 %	85.7063 %	93.6449 %
Concentration RSD	4.7 %	0.3 %	0.1 %	0.6 %	0.2 %	0.8 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2556715-12 WG2114061
 Analysis started at: 9/23/2025 17:31:06
 Comments: <Comment>
 Rack: 1
 Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0238 ppm	0.0011 ppm	0.0598 ppm	0.0226 ppm	0.0000 ppm	187.0018 ppm
Concentration per Run 1	-0.0004 ppm	0.0283 ppm	0.0016 ppm	0.0597 ppm	0.0233 ppm	0.0001 ppm	191.0832 ppm
Concentration per Run 2	0.0006 ppm	0.0201 ppm	0.0007 ppm	0.0600 ppm	0.0221 ppm	0.0000 ppm	185.3842 ppm
Concentration per Run 3	0.0002 ppm	0.0229 ppm	0.0010 ppm	0.0598 ppm	0.0224 ppm	0.0000 ppm	184.5378 ppm
Concentration RSD	346.1 %	17.5 %	39.9 %	0.3 %	2.7 %	544.8 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0002 ppm	0.0009 ppm	0.0022 ppm	0.0777 ppm	3.1985 ppm	0.0443 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	0.0008 ppm	0.0021 ppm	0.0797 ppm	3.2844 ppm	0.0470 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	0.0009 ppm	0.0023 ppm	0.0783 ppm	3.1758 ppm	0.0433 ppm
Concentration per Run 3	0.0001 ppm	0.0002 ppm	0.0010 ppm	0.0023 ppm	0.0751 ppm	3.1352 ppm	0.0425 ppm
Concentration RSD	42.0 %	73.1 %	12.0 %	5.5 %	3.0 %	2.4 %	5.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	110.9754 ppm	0.1960 ppm	0.0016 ppm	26.2975 ppm	0.0086 ppm	0.0029 ppm	-0.0014 ppm
Concentration per Run 1	111.0712 ppm	0.1988 ppm	0.0012 ppm	26.8020 ppm	0.0091 ppm	0.0028 ppm	-0.0014 ppm
Concentration per Run 2	110.8750 ppm	0.1939 ppm	0.0015 ppm	26.0726 ppm	0.0082 ppm	0.0036 ppm	-0.0034 ppm
Concentration per Run 3	110.9801 ppm	0.1952 ppm	0.0019 ppm	26.0179 ppm	0.0084 ppm	0.0022 ppm	0.0004 ppm
Concentration RSD	0.1 %	1.3 %	23.3 %	1.7 %	5.4 %	23.9 %	133.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0015 ppm	8.6243 ppm	0.0008 ppm	1.3705 ppm	0.0011 ppm	0.0014 ppm	0.0004 ppm
Concentration per Run 1	0.0007 ppm	8.6358 ppm	0.0008 ppm	1.3961 ppm	0.0010 ppm	0.0018 ppm	0.0004 ppm
Concentration per Run 2	0.0010 ppm	8.6400 ppm	0.0013 ppm	1.3578 ppm	0.0012 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 3	0.0029 ppm	8.5971 ppm	0.0003 ppm	1.3577 ppm	0.0011 ppm	0.0020 ppm	0.0005 ppm
Concentration RSD	76.6 %	0.3 %	64.4 %	1.6 %	8.8 %	64.6 %	45.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0051 ppm	98.8986 %	93.3633 %	93.1014 %	98.5519 %	86.6215 %	93.0599 %
Concentration per Run 1	0.0050 ppm	98.0724 %	93.3575 %	93.4471 %	96.9441 %	86.7314 %	92.8823 %
Concentration per Run 2	0.0050 ppm	99.2076 %	93.4942 %	92.8894 %	99.1043 %	86.3776 %	93.2663 %
Concentration per Run 3	0.0052 ppm	99.4156 %	93.2382 %	92.9678 %	99.6074 %	86.7556 %	93.0312 %
Concentration RSD	2.5 %	0.7 %	0.1 %	0.3 %	1.4 %	0.2 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: TEST ICAL 2325A pass
 Analysis started at: 9/23/2025 17:35:36
 Comments: <Comment>
 Rack: 1
 Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.9865 ppm	24.5649 ppm	0.9946 ppm	0.9928 ppm	0.9959 ppm	0.9752 ppm	9.7770 ppm
Concentration per Run 1	0.9878 ppm	24.9811 ppm	0.9887 ppm	0.9862 ppm	1.0118 ppm	0.9919 ppm	9.9195 ppm
Concentration per Run 2	0.9832 ppm	24.4105 ppm	0.9879 ppm	0.9860 ppm	0.9889 ppm	0.9690 ppm	9.7442 ppm
Concentration per Run 3	0.9884 ppm	24.3031 ppm	1.0072 ppm	1.0060 ppm	0.9871 ppm	0.9646 ppm	9.6673 ppm
Concentration RSD	0.3 %	1.5 %	1.1 %	1.2 %	1.4 %	1.5 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.9856 ppm	1.0056 ppm	0.9782 ppm	0.9900 ppm	24.2371 ppm	34.7098 ppm	0.9921 ppm
Concentration per Run 1	0.9811 ppm	1.0009 ppm	0.9803 ppm	0.9903 ppm	24.6482 ppm	35.2661 ppm	1.0099 ppm
Concentration per Run 2	0.9779 ppm	0.9979 ppm	0.9770 ppm	0.9863 ppm	24.0769 ppm	34.4770 ppm	0.9822 ppm
Concentration per Run 3	0.9978 ppm	1.0180 ppm	0.9774 ppm	0.9934 ppm	23.9861 ppm	34.3863 ppm	0.9843 ppm
Concentration RSD	1.1 %	1.1 %	0.2 %	0.4 %	1.5 %	1.4 %	1.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.6311 ppm	0.9721 ppm	0.9960 ppm	24.8818 ppm	0.9945 ppm	0.9846 ppm	0.9969 ppm
Concentration per Run 1	9.6434 ppm	0.9862 ppm	0.9894 ppm	25.2911 ppm	0.9894 ppm	0.9790 ppm	0.9901 ppm
Concentration per Run 2	9.6255 ppm	0.9653 ppm	0.9879 ppm	24.7091 ppm	0.9866 ppm	0.9760 ppm	0.9929 ppm
Concentration per Run 3	9.6245 ppm	0.9647 ppm	1.0106 ppm	24.6451 ppm	1.0075 ppm	0.9987 ppm	1.0078 ppm
Concentration RSD	0.1 %	1.3 %	1.3 %	1.4 %	1.1 %	1.3 %	1.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.9800 ppm	9.8235 ppm	0.9912 ppm	0.9998 ppm	0.9795 ppm	0.9986 ppm	0.9789 ppm
Concentration per Run 1	0.9719 ppm	9.7636 ppm	0.9856 ppm	1.0157 ppm	0.9817 ppm	0.9920 ppm	0.9795 ppm
Concentration per Run 2	0.9758 ppm	9.7520 ppm	0.9842 ppm	0.9928 ppm	0.9765 ppm	0.9942 ppm	0.9774 ppm
Concentration per Run 3	0.9924 ppm	9.9548 ppm	1.0038 ppm	0.9908 ppm	0.9803 ppm	1.0096 ppm	0.9797 ppm
Concentration RSD	1.1 %	1.2 %	1.1 %	1.4 %	0.3 %	1.0 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.9804 ppm	101.4932 %	98.2022 %	99.1233 %	102.5640 %	93.6895 %	98.8692 %
Concentration per Run 1	0.9771 ppm	100.1148 %	97.9807 %	99.5902 %	100.9043 %	94.0773 %	98.6355 %
Concentration per Run 2	0.9723 ppm	101.8649 %	98.3981 %	99.6652 %	102.9078 %	94.3715 %	99.0962 %
Concentration per Run 3	0.9917 ppm	102.4998 %	98.2277 %	98.1144 %	103.8798 %	92.6197 %	98.8758 %
Concentration RSD	1.0 %	1.2 %	0.2 %	0.9 %	1.5 %	1.0 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: TEST FM 2325 V1
 Analysis started at: 9/23/2025 17:39:44
 Comments: <Comment>
 Rack: 1
 Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0376 ppm	0.1134 ppm	0.9610 ppm	0.0009 ppm	-0.0002 ppm	10.1214 ppm
Concentration per Run 1	0.0001 ppm	0.0341 ppm	0.1156 ppm	0.9610 ppm	0.0008 ppm	-0.0002 ppm	10.3095 ppm
Concentration per Run 2	-0.0001 ppm	0.0315 ppm	0.1106 ppm	0.9610 ppm	0.0010 ppm	-0.0002 ppm	10.0730 ppm
Concentration per Run 3	0.0008 ppm	0.0474 ppm	0.1140 ppm	0.9611 ppm	0.0009 ppm	-0.0002 ppm	9.9816 ppm
Concentration RSD	170.6 %	22.7 %	2.3 %	0.0 %	8.5 %	8.8 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0027 ppm	-0.0002 ppm	0.0003 ppm	0.0011 ppm	0.0089 ppm	10.6149 ppm	0.0004 ppm
Concentration per Run 1	0.0028 ppm	-0.0002 ppm	0.0006 ppm	0.0010 ppm	0.0079 ppm	10.7924 ppm	0.0018 ppm
Concentration per Run 2	0.0027 ppm	0.0000 ppm	-0.0002 ppm	0.0014 ppm	0.0092 ppm	10.5563 ppm	-0.0010 ppm
Concentration per Run 3	0.0027 ppm	-0.0004 ppm	0.0006 ppm	0.0010 ppm	0.0097 ppm	10.4960 ppm	0.0004 ppm
Concentration RSD	0.7 %	106.8 %	149.2 %	17.5 %	10.6 %	1.5 %	380.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.8580 ppm	0.0001 ppm	0.9314 ppm	10.3782 ppm	-0.0003 ppm	0.5020 ppm	-0.0028 ppm
Concentration per Run 1	9.8654 ppm	0.0000 ppm	0.9280 ppm	10.5582 ppm	-0.0003 ppm	0.5016 ppm	-0.0031 ppm
Concentration per Run 2	9.8800 ppm	0.0001 ppm	0.9331 ppm	10.3096 ppm	-0.0007 ppm	0.5027 ppm	-0.0016 ppm
Concentration per Run 3	9.8285 ppm	0.0002 ppm	0.9332 ppm	10.2669 ppm	0.0002 ppm	0.5019 ppm	-0.0037 ppm
Concentration RSD	0.3 %	81.4 %	0.3 %	1.5 %	147.2 %	0.1 %	39.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1197 ppm	0.7664 ppm	0.9508 ppm	0.9952 ppm	0.9605 ppm	0.1175 ppm	-0.0007 ppm
Concentration per Run 1	0.1168 ppm	0.7682 ppm	0.9528 ppm	1.0121 ppm	0.9611 ppm	0.1185 ppm	-0.0006 ppm
Concentration per Run 2	0.1197 ppm	0.7658 ppm	0.9498 ppm	0.9888 ppm	0.9615 ppm	0.1171 ppm	-0.0007 ppm
Concentration per Run 3	0.1225 ppm	0.7651 ppm	0.9498 ppm	0.9848 ppm	0.9589 ppm	0.1167 ppm	-0.0008 ppm
Concentration RSD	2.4 %	0.2 %	0.2 %	1.5 %	0.1 %	0.8 %	13.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	103.3192 %	101.0998 %	101.4539 %	102.8274 %	99.7735 %	100.6958 %
Concentration per Run 1	0.0001 ppm	102.3838 %	101.1056 %	101.8215 %	101.2719 %	99.9517 %	100.6258 %
Concentration per Run 2	0.0001 ppm	103.2118 %	100.9172 %	101.4077 %	102.9361 %	99.6719 %	100.4804 %
Concentration per Run 3	0.0001 ppm	104.3620 %	101.2766 %	101.1325 %	104.2740 %	99.6969 %	100.9811 %
Concentration RSD	24.3 %	1.0 %	0.2 %	0.3 %	1.5 %	0.2 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: TEST FM 2325 V2
 Analysis started at: 9/23/2025 17:44:05
 Comments: <Comment>
 Rack: 1
 Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0222 ppm	0.1097 ppm	0.9165 ppm	0.0010 ppm	-0.0002 ppm	9.6008 ppm
Concentration per Run 1	0.0002 ppm	0.0309 ppm	0.1088 ppm	0.9163 ppm	0.0011 ppm	-0.0002 ppm	9.8057 ppm
Concentration per Run 2	0.0000 ppm	0.0154 ppm	0.1114 ppm	0.9169 ppm	0.0009 ppm	-0.0002 ppm	9.4908 ppm
Concentration per Run 3	-0.0002 ppm	0.0204 ppm	0.1090 ppm	0.9163 ppm	0.0010 ppm	-0.0002 ppm	9.5060 ppm
Concentration RSD	2,000.8 %	35.5 %	1.4 %	0.0 %	9.5 %	4.0 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0027 ppm	-0.0002 ppm	0.0001 ppm	0.0011 ppm	0.0060 ppm	10.0761 ppm	0.0004 ppm
Concentration per Run 1	0.0027 ppm	0.0000 ppm	0.0001 ppm	0.0015 ppm	0.0064 ppm	10.3118 ppm	-0.0004 ppm
Concentration per Run 2	0.0026 ppm	-0.0003 ppm	0.0003 ppm	0.0007 ppm	0.0058 ppm	9.9761 ppm	0.0007 ppm
Concentration per Run 3	0.0027 ppm	-0.0002 ppm	0.0000 ppm	0.0011 ppm	0.0059 ppm	9.9405 ppm	0.0008 ppm
Concentration RSD	0.8 %	75.8 %	116.7 %	37.6 %	5.9 %	2.0 %	174.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.3824 ppm	0.0004 ppm	0.8839 ppm	9.8443 ppm	0.0000 ppm	0.4794 ppm	-0.0041 ppm
Concentration per Run 1	9.3734 ppm	0.0003 ppm	0.8825 ppm	10.0424 ppm	-0.0002 ppm	0.4785 ppm	-0.0045 ppm
Concentration per Run 2	9.4204 ppm	0.0005 ppm	0.8839 ppm	9.7494 ppm	-0.0003 ppm	0.4797 ppm	-0.0028 ppm
Concentration per Run 3	9.3535 ppm	0.0003 ppm	0.8853 ppm	9.7412 ppm	0.0004 ppm	0.4800 ppm	-0.0051 ppm
Concentration RSD	0.4 %	27.3 %	0.2 %	1.7 %	858.1 %	0.2 %	28.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1151 ppm	0.7250 ppm	0.9023 ppm	0.9430 ppm	0.9121 ppm	0.1126 ppm	-0.0007 ppm
Concentration per Run 1	0.1155 ppm	0.7259 ppm	0.9027 ppm	0.9607 ppm	0.9116 ppm	0.1127 ppm	-0.0003 ppm
Concentration per Run 2	0.1147 ppm	0.7245 ppm	0.9014 ppm	0.9349 ppm	0.9143 ppm	0.1119 ppm	-0.0011 ppm
Concentration per Run 3	0.1151 ppm	0.7245 ppm	0.9027 ppm	0.9333 ppm	0.9106 ppm	0.1134 ppm	-0.0007 ppm
Concentration RSD	0.4 %	0.1 %	0.1 %	1.6 %	0.2 %	0.7 %	56.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	103.6291 %	101.3650 %	101.8195 %	102.7310 %	100.4349 %	100.8189 %
Concentration per Run 1	0.0004 ppm	102.1626 %	101.5883 %	101.8483 %	100.7693 %	100.4066 %	100.9477 %
Concentration per Run 2	0.0004 ppm	104.0856 %	101.0700 %	102.0091 %	103.2872 %	100.6249 %	100.5775 %
Concentration per Run 3	0.0004 ppm	104.6390 %	101.4368 %	101.6010 %	104.1364 %	100.2733 %	100.9315 %
Concentration RSD	12.0 %	1.3 %	0.3 %	0.2 %	1.7 %	0.2 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: TEST CCV 2325A pass
 Analysis started at: 9/23/2025 17:48:28
 Comments: <Comment>
 Rack: 1
 Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4917 ppm	0.4898 ppm	0.4646 ppm	0.4807 ppm	0.4952 ppm	0.4922 ppm	0.5086 ppm
Concentration per Run 1	0.4914 ppm	0.4902 ppm	0.4668 ppm	0.4836 ppm	0.5033 ppm	0.5014 ppm	0.5138 ppm
Concentration per Run 2	0.4911 ppm	0.4898 ppm	0.4701 ppm	0.4847 ppm	0.4916 ppm	0.4874 ppm	0.5055 ppm
Concentration per Run 3	0.4927 ppm	0.4895 ppm	0.4569 ppm	0.4739 ppm	0.4907 ppm	0.4879 ppm	0.5066 ppm
Concentration RSD	0.2 %	0.1 %	1.5 %	1.2 %	1.4 %	1.6 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4756 ppm	0.4924 ppm	0.4932 ppm	0.4978 ppm	0.4927 ppm	5.1968 ppm	0.5018 ppm
Concentration per Run 1	0.4772 ppm	0.4945 ppm	0.4931 ppm	0.4977 ppm	0.5032 ppm	5.2901 ppm	0.5125 ppm
Concentration per Run 2	0.4788 ppm	0.4964 ppm	0.4935 ppm	0.4974 ppm	0.4888 ppm	5.1634 ppm	0.4959 ppm
Concentration per Run 3	0.4707 ppm	0.4862 ppm	0.4931 ppm	0.4981 ppm	0.4860 ppm	5.1369 ppm	0.4970 ppm
Concentration RSD	0.9 %	1.1 %	0.0 %	0.1 %	1.9 %	1.6 %	1.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4950 ppm	0.4966 ppm	0.4732 ppm	9.9542 ppm	0.4890 ppm	0.4849 ppm	0.4931 ppm
Concentration per Run 1	0.4935 ppm	0.5060 ppm	0.4749 ppm	10.1180 ppm	0.4913 ppm	0.4851 ppm	0.4969 ppm
Concentration per Run 2	0.4975 ppm	0.4927 ppm	0.4770 ppm	9.8655 ppm	0.4914 ppm	0.4899 ppm	0.4954 ppm
Concentration per Run 3	0.4940 ppm	0.4911 ppm	0.4676 ppm	9.8790 ppm	0.4841 ppm	0.4797 ppm	0.4871 ppm
Concentration RSD	0.4 %	1.6 %	1.0 %	1.4 %	0.9 %	1.0 %	1.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4716 ppm	5.2513 ppm	0.4809 ppm	0.4744 ppm	0.4872 ppm	0.4939 ppm	0.4962 ppm
Concentration per Run 1	0.4733 ppm	5.2707 ppm	0.4848 ppm	0.4821 ppm	0.4875 ppm	0.4977 ppm	0.4972 ppm
Concentration per Run 2	0.4732 ppm	5.2937 ppm	0.4832 ppm	0.4711 ppm	0.4868 ppm	0.4979 ppm	0.4960 ppm
Concentration per Run 3	0.4683 ppm	5.1894 ppm	0.4746 ppm	0.4702 ppm	0.4872 ppm	0.4860 ppm	0.4955 ppm
Concentration RSD	0.6 %	1.0 %	1.1 %	1.4 %	0.1 %	1.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4795 ppm	102.6544 %	100.3883 %	101.9118 %	103.2800 %	99.5061 %	100.9016 %
Concentration per Run 1	0.4811 ppm	101.1631 %	100.4401 %	101.6468 %	100.9435 %	99.1788 %	100.9847 %
Concentration per Run 2	0.4821 ppm	103.0254 %	100.4932 %	101.4273 %	104.0943 %	98.7473 %	101.0393 %
Concentration per Run 3	0.4752 ppm	103.7747 %	100.2316 %	102.6614 %	104.8022 %	100.5923 %	100.6808 %
Concentration RSD	0.8 %	1.3 %	0.1 %	0.6 %	2.0 %	1.0 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: TEST CCV 2325B pass
 Analysis started at: 9/23/2025 17:53:27
 Comments: <Comment>
 Rack: 1
 Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4816 ppm	0.4765 ppm	0.4733 ppm	0.4789 ppm	0.4857 ppm	0.4931 ppm	0.5014 ppm
Concentration per Run 1	0.4808 ppm	0.4846 ppm	0.4686 ppm	0.4733 ppm	0.4922 ppm	0.5007 ppm	0.5096 ppm
Concentration per Run 2	0.4817 ppm	0.4743 ppm	0.4798 ppm	0.4843 ppm	0.4829 ppm	0.4896 ppm	0.4896 ppm
Concentration per Run 3	0.4823 ppm	0.4705 ppm	0.4715 ppm	0.4791 ppm	0.4820 ppm	0.4891 ppm	0.5050 ppm
Concentration RSD	0.2 %	1.5 %	1.2 %	1.2 %	1.2 %	1.3 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4839 ppm	0.5002 ppm	0.4928 ppm	0.4962 ppm	0.4927 ppm	5.0852 ppm	0.4989 ppm
Concentration per Run 1	0.4788 ppm	0.4941 ppm	0.4910 ppm	0.4937 ppm	0.4999 ppm	5.1874 ppm	0.5055 ppm
Concentration per Run 2	0.4897 ppm	0.5064 ppm	0.4933 ppm	0.4972 ppm	0.4908 ppm	5.0473 ppm	0.4962 ppm
Concentration per Run 3	0.4832 ppm	0.5002 ppm	0.4943 ppm	0.4975 ppm	0.4873 ppm	5.0209 ppm	0.4949 ppm
Concentration RSD	1.1 %	1.2 %	0.3 %	0.4 %	1.3 %	1.8 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4931 ppm	0.4967 ppm	0.4798 ppm	9.9120 ppm	0.4981 ppm	0.4934 ppm	0.4991 ppm
Concentration per Run 1	0.4954 ppm	0.5046 ppm	0.4731 ppm	10.0598 ppm	0.4918 ppm	0.4885 ppm	0.4919 ppm
Concentration per Run 2	0.4896 ppm	0.4922 ppm	0.4865 ppm	9.8648 ppm	0.5047 ppm	0.4993 ppm	0.5071 ppm
Concentration per Run 3	0.4943 ppm	0.4934 ppm	0.4797 ppm	9.8113 ppm	0.4978 ppm	0.4925 ppm	0.4982 ppm
Concentration RSD	0.6 %	1.4 %	1.4 %	1.3 %	1.3 %	1.1 %	1.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4810 ppm	5.2325 ppm	0.4838 ppm	0.4867 ppm	0.4890 ppm	0.5029 ppm	0.4970 ppm
Concentration per Run 1	0.4751 ppm	5.1680 ppm	0.4779 ppm	0.4931 ppm	0.4884 ppm	0.4968 ppm	0.4966 ppm
Concentration per Run 2	0.4865 ppm	5.3018 ppm	0.4904 ppm	0.4842 ppm	0.4887 ppm	0.5093 ppm	0.4969 ppm
Concentration per Run 3	0.4814 ppm	5.2278 ppm	0.4833 ppm	0.4827 ppm	0.4899 ppm	0.5027 ppm	0.4976 ppm
Concentration RSD	1.2 %	1.3 %	1.3 %	1.2 %	0.2 %	1.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4877 ppm	102.2302 %	100.7823 %	100.8367 %	103.4640 %	98.6114 %	101.6069 %
Concentration per Run 1	0.4832 ppm	101.1514 %	101.0471 %	101.6799 %	102.2992 %	99.6326 %	101.9463 %
Concentration per Run 2	0.4927 ppm	102.8101 %	100.5720 %	99.4670 %	104.0093 %	97.4879 %	101.3708 %
Concentration per Run 3	0.4872 ppm	102.7291 %	100.7278 %	101.3631 %	104.0835 %	98.7138 %	101.5037 %
Concentration RSD	1.0 %	0.9 %	0.2 %	1.2 %	1.0 %	1.1 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: TEST LDR 2325A
 Analysis started at: 9/23/2025 17:58:00
 Comments: <Comment>
 Rack: 1
 Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0008 ppm	0.0142 ppm	5.4349 ppm	4.9809 ppm	9.6778 ppm	0.0002 ppm	-0.0015 ppm
Concentration per Run 1	0.0006 ppm	0.0112 ppm	5.4442 ppm	5.0001 ppm	9.6195 ppm	0.0001 ppm	-0.0031 ppm
Concentration per Run 2	0.0010 ppm	0.0150 ppm	5.4138 ppm	4.9537 ppm	9.8216 ppm	0.0002 ppm	-0.0029 ppm
Concentration per Run 3	0.0009 ppm	0.0163 ppm	5.4467 ppm	4.9890 ppm	9.5921 ppm	0.0002 ppm	0.0017 ppm
Concentration RSD	27.3 %	18.7 %	0.3 %	0.5 %	1.3 %	7.2 %	187.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0009 ppm	0.0017 ppm	-0.0005 ppm	19.5222 ppm	-0.0127 ppm	312.1632 ppm	5.0907 ppm
Concentration per Run 1	-0.0009 ppm	0.0014 ppm	-0.0010 ppm	19.5740 ppm	-0.0127 ppm	312.4717 ppm	5.0976 ppm
Concentration per Run 2	-0.0009 ppm	0.0020 ppm	0.0000 ppm	19.5109 ppm	-0.0139 ppm	311.4163 ppm	5.0693 ppm
Concentration per Run 3	-0.0008 ppm	0.0016 ppm	-0.0005 ppm	19.4819 ppm	-0.0115 ppm	312.6014 ppm	5.1051 ppm
Concentration RSD	3.9 %	16.7 %	105.0 %	0.2 %	9.2 %	0.2 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0076 ppm	0.0002 ppm	5.0451 [SIC 20]	481.7469 ppm	10.1121 [SIC 20]	48.4534 ppm	-0.0327 ppm
Concentration per Run 1	-0.0059 ppm	0.0002 ppm	5.0619 ppm	480.6940 ppm	10.1376 ppm	48.5474 ppm	-0.0344 ppm
Concentration per Run 2	-0.0088 ppm	0.0002 ppm	5.0219 ppm	487.6393 ppm	10.0654 ppm	48.2270 ppm	-0.0301 ppm
Concentration per Run 3	-0.0080 ppm	0.0002 ppm	5.0514 ppm	476.9073 ppm	10.1333 ppm	48.5857 ppm	-0.0335 ppm
Concentration RSD	20.3 %	15.7 %	0.4 %	1.1 %	0.4 %	0.4 %	6.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0013 ppm	21.3031 [SIC 200]	0.0019 ppm	0.0006 ppm	-0.0017 ppm	-0.0002 ppm	-0.0053 ppm
Concentration per Run 1	-0.0015 ppm	21.3938 ppm	0.0030 ppm	0.0006 ppm	-0.0016 ppm	0.0013 ppm	-0.0054 ppm
Concentration per Run 2	-0.0038 ppm	21.1754 ppm	0.0008 ppm	0.0005 ppm	-0.0017 ppm	-0.0024 ppm	-0.0053 ppm
Concentration per Run 3	0.0013 ppm	21.3401 ppm	0.0020 ppm	0.0006 ppm	-0.0019 ppm	0.0005 ppm	-0.0051 ppm
Concentration RSD	192.8 %	0.5 %	56.9 %	12.5 %	8.8 %	910.5 %	2.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	20.2037 [SIC 20]	99.4679 %	91.1003 %	89.3966 %	101.3434 %	85.7674 %	91.3165 %
Concentration per Run 1	20.2213 ppm	99.7228 %	91.1150 %	89.8305 %	101.6608 %	85.7635 %	91.4883 %
Concentration per Run 2	20.1232 ppm	99.3480 %	91.1997 %	89.2884 %	101.3063 %	86.0244 %	91.3518 %
Concentration per Run 3	20.2668 ppm	99.3328 %	90.9861 %	89.0710 %	101.0632 %	85.5143 %	91.1094 %
Concentration RSD	0.4 %	0.2 %	0.1 %	0.4 %	0.3 %	0.3 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCV
Analysis started at: 9/23/2025 18:24:02
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4930 ppm	0.5130 ppm	0.4735 ppm	0.4798 ppm	0.4966 ppm	0.4995 ppm	0.5158 ppm
Concentration per Run 1	0.4940 ppm	0.5173 ppm	0.4711 ppm	0.4770 ppm	0.5054 ppm	0.5081 ppm	0.5244 ppm
Concentration per Run 2	0.4938 ppm	0.5109 ppm	0.4697 ppm	0.4774 ppm	0.4919 ppm	0.4954 ppm	0.5077 ppm
Concentration per Run 3	0.4911 ppm	0.5107 ppm	0.4798 ppm	0.4851 ppm	0.4925 ppm	0.4948 ppm	0.5154 ppm
Recovery Percentage 1	98.596 %	102.597 %	94.706 %	95.965 %	99.317 %	99.892 %	103.169 %
Concentration RSD	0.3 %	0.7 %	1.2 %	0.9 %	1.5 %	1.5 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4812 ppm	0.5026 ppm	0.4968 ppm	0.5041 ppm	0.5008 ppm	5.2403 ppm	0.5125 ppm
Concentration per Run 1	0.4785 ppm	0.4997 ppm	0.4982 ppm	0.5052 ppm	0.5096 ppm	5.3025 ppm	0.5203 ppm
Concentration per Run 2	0.4786 ppm	0.5000 ppm	0.4977 ppm	0.5049 ppm	0.4959 ppm	5.2023 ppm	0.5070 ppm
Concentration per Run 3	0.4866 ppm	0.5082 ppm	0.4946 ppm	0.5022 ppm	0.4967 ppm	5.2160 ppm	0.5103 ppm
Recovery Percentage 1	96.247 %	100.524 %	99.366 %	100.817 %	100.150 %	104.805 %	102.505 %
Concentration RSD	1.0 %	1.0 %	0.4 %	0.3 %	1.5 %	1.0 %	1.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4946 ppm	0.5045 ppm	0.4778 ppm	10.2003 ppm	0.4956 ppm	0.4903 ppm	0.4999 ppm
Concentration per Run 1	0.4948 ppm	0.5131 ppm	0.4756 ppm	10.3803 ppm	0.4933 ppm	0.4877 ppm	0.4970 ppm
Concentration per Run 2	0.4968 ppm	0.5005 ppm	0.4751 ppm	10.1143 ppm	0.4927 ppm	0.4876 ppm	0.4987 ppm
Concentration per Run 3	0.4922 ppm	0.4999 ppm	0.4827 ppm	10.1063 ppm	0.5008 ppm	0.4956 ppm	0.5039 ppm
Recovery Percentage 1	98.920 %	100.900 %	95.561 %	102.003 %	99.121 %	98.062 %	99.978 %
Concentration RSD	0.5 %	1.5 %	0.9 %	1.5 %	0.9 %	0.9 %	0.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4759 ppm	5.3031 ppm	0.4877 ppm	0.5020 ppm	0.4883 ppm	0.5040 ppm	0.4973 ppm
Concentration per Run 1	0.4743 ppm	5.2762 ppm	0.4832 ppm	0.5111 ppm	0.4891 ppm	0.5017 ppm	0.4982 ppm
Concentration per Run 2	0.4738 ppm	5.2748 ppm	0.4863 ppm	0.4973 ppm	0.4899 ppm	0.5007 ppm	0.4980 ppm
Concentration per Run 3	0.4797 ppm	5.3584 ppm	0.4935 ppm	0.4977 ppm	0.4861 ppm	0.5096 ppm	0.4958 ppm
Recovery Percentage 1	95.183 %	101.012 %	97.534 %	100.407 %	97.667 %	100.802 %	99.460 %
Concentration RSD	0.7 %	0.9 %	1.1 %	1.6 %	0.4 %	1.0 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4838 ppm	102.7854 %	101.9886 %	103.0797 %	103.1612 %	100.2472 %	101.8982 %
Concentration per Run 1	0.4805 ppm	101.7239 %	101.8969 %	103.4473 %	101.4025 %	100.8114 %	101.8630 %
Concentration per Run 2	0.4812 ppm	104.0269 %	101.9495 %	103.5185 %	104.5950 %	100.6694 %	101.7287 %
Concentration per Run 3	0.4897 ppm	102.6055 %	102.1194 %	102.2733 %	103.4862 %	99.2609 %	102.1027 %
Recovery Percentage 1	96.761 %						
Concentration RSD	1.1 %	1.1 %	0.1 %	0.7 %	1.6 %	0.9 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCB
Analysis started at: 9/23/2025 18:28:18
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0045 ppm	0.0016 ppm	0.0026 ppm	0.0002 ppm	0.0001 ppm	0.0060 ppm
Concentration per Run 1	-0.0002 ppm	0.0075 ppm	0.0020 ppm	0.0027 ppm	0.0002 ppm	0.0001 ppm	0.0026 ppm
Concentration per Run 2	0.0002 ppm	0.0071 ppm	0.0017 ppm	0.0028 ppm	0.0001 ppm	0.0001 ppm	0.0046 ppm
Concentration per Run 3	0.0004 ppm	-0.0011 ppm	0.0012 ppm	0.0023 ppm	0.0002 ppm	0.0001 ppm	0.0108 ppm
Recovery Percentage 1	3.130 %	4.481 %	32.173 %	8.648 %	1.585 %	2.270 %	6.014 %
Concentration RSD	183.0 %	108.1 %	23.6 %	11.2 %	27.3 %	13.9 %	71.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0007 ppm	0.0480 ppm	0.0005 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0006 ppm	0.0011 ppm	0.0332 ppm	-0.0005 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0424 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0007 ppm	0.0009 ppm	0.0684 ppm	0.0014 ppm
Recovery Percentage 1	1.199 %	-0.370 %	2.283 %	5.256 %	1.361 %	1.921 %	4.732 %
Concentration RSD	48.1 %	352.9 %	139.5 %	38.1 %	88.0 %	38.0 %	205.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0023 ppm	0.0000 ppm	0.0003 ppm	0.0405 ppm	0.0003 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run 1	0.0028 ppm	0.0004 ppm	0.0005 ppm	0.0520 ppm	-0.0001 ppm	0.0003 ppm	0.0007 ppm
Concentration per Run 2	0.0033 ppm	-0.0001 ppm	0.0002 ppm	0.0294 ppm	0.0003 ppm	0.0003 ppm	0.0005 ppm
Concentration per Run 3	0.0009 ppm	-0.0003 ppm	0.0001 ppm	0.0401 ppm	0.0006 ppm	-0.0008 ppm	-0.0001 ppm
Recovery Percentage 1	2.304 %	0.217 %	0.570 %	2.026 %	1.071 %	-0.623 %	0.742 %
Concentration RSD	54.1 %	1,584.7 %	85.6 %	27.8 %	143.4 %	1,045.3 %	116.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0035 ppm	-0.0010 ppm	-0.0004 ppm	0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 1	0.0036 ppm	-0.0012 ppm	-0.0006 ppm	0.0001 ppm	-0.0002 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 2	0.0041 ppm	-0.0003 ppm	-0.0007 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run 3	0.0027 ppm	-0.0016 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm
Recovery Percentage 1	34.730 %	-0.205 %	-0.776 %	1.393 %	-0.565 %	1.489 %	-0.247 %
Concentration RSD	20.0 %	66.0 %	118.0 %	46.2 %	212.2 %	135.5 %	237.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	102.8015 %	102.4228 %	102.6735 %	101.6926 %	101.4749 %	101.2566 %
Concentration per Run 1	0.0001 ppm	101.3236 %	102.3870 %	103.1002 %	99.6381 %	101.6227 %	101.1409 %
Concentration per Run 2	-0.0001 ppm	102.9558 %	102.4549 %	102.7306 %	102.1131 %	101.8140 %	101.2425 %
Concentration per Run 3	-0.0001 ppm	104.1252 %	102.4265 %	102.1896 %	103.3264 %	100.9879 %	101.3866 %
Recovery Percentage 1	-0.467 %						
Concentration RSD	461.4 %	1.4 %	0.0 %	0.4 %	1.8 %	0.4 %	0.1 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557288-01d5 WG2114988
 Analysis started at: 9/23/2025 19:14:23
 Comments: 5x for color
 Rack: 1
 Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.1388 ppm	0.0327 ppm	2.6781 ppm	0.0509 ppm	0.0000 ppm	18.6033 ppm
Concentration per Run 1	-0.0003 ppm	0.1290 ppm	0.0347 ppm	2.6775 ppm	0.0509 ppm	0.0000 ppm	18.5996 ppm
Concentration per Run 2	0.0001 ppm	0.1427 ppm	0.0319 ppm	2.6736 ppm	0.0509 ppm	0.0000 ppm	18.5601 ppm
Concentration per Run 3	0.0007 ppm	0.1447 ppm	0.0316 ppm	2.6832 ppm	0.0507 ppm	0.0000 ppm	18.6503 ppm
Concentration RSD	286.0 %	6.2 %	5.2 %	0.2 %	0.2 %	490.7 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0065 ppm	0.0520 ppm	0.0190 ppm	0.9074 ppm	95.0379 ppm	0.0586 ppm
Concentration per Run 1	0.0001 ppm	0.0064 ppm	0.0520 ppm	0.0191 ppm	0.9075 ppm	95.3689 ppm	0.0590 ppm
Concentration per Run 2	0.0000 ppm	0.0065 ppm	0.0521 ppm	0.0189 ppm	0.9075 ppm	94.7966 ppm	0.0584 ppm
Concentration per Run 3	0.0000 ppm	0.0065 ppm	0.0519 ppm	0.0189 ppm	0.9072 ppm	94.9482 ppm	0.0585 ppm
Concentration RSD	165.7 %	0.4 %	0.2 %	0.5 %	0.0 %	0.3 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	25.4388 ppm	0.1109 ppm	0.0013 ppm	405.8558 ppm	0.0447 ppm	0.0021 ppm	0.0006 ppm
Concentration per Run 1	25.5392 ppm	0.1109 ppm	0.0012 ppm	416.4798 ppm	0.0448 ppm	0.0021 ppm	0.0004 ppm
Concentration per Run 2	25.4852 ppm	0.1103 ppm	0.0013 ppm	402.4550 ppm	0.0446 ppm	0.0018 ppm	0.0010 ppm
Concentration per Run 3	25.2920 ppm	0.1117 ppm	0.0015 ppm	398.6325 ppm	0.0446 ppm	0.0024 ppm	0.0004 ppm
Concentration RSD	0.5 %	0.6 %	11.2 %	2.3 %	0.3 %	15.1 %	60.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0034 ppm	8.8844 ppm	0.0094 ppm	0.2395 ppm	0.0440 ppm	-0.0005 ppm	0.0237 ppm
Concentration per Run 1	0.0045 ppm	8.8632 ppm	0.0093 ppm	0.2403 ppm	0.0439 ppm	-0.0014 ppm	0.0235 ppm
Concentration per Run 2	0.0025 ppm	8.8736 ppm	0.0100 ppm	0.2387 ppm	0.0442 ppm	-0.0003 ppm	0.0240 ppm
Concentration per Run 3	0.0031 ppm	8.9163 ppm	0.0088 ppm	0.2396 ppm	0.0438 ppm	0.0001 ppm	0.0237 ppm
Concentration RSD	30.4 %	0.3 %	6.6 %	0.3 %	0.5 %	151.9 %	1.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2065 ppm	103.6651 %	94.3637 %	95.6184 %	105.4754 %	85.8251 %	94.3485 %
Concentration per Run 1	0.2064 ppm	103.4713 %	94.0940 %	95.7397 %	105.4573 %	85.9979 %	94.2118 %
Concentration per Run 2	0.2057 ppm	103.9206 %	94.2995 %	95.7728 %	105.8449 %	85.9797 %	94.2450 %
Concentration per Run 3	0.2072 ppm	103.6035 %	94.6977 %	95.3428 %	105.1242 %	85.4977 %	94.5888 %
Concentration RSD	0.4 %	0.2 %	0.3 %	0.3 %	0.3 %	0.3 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557288-02d5 WG2114988
 Analysis started at: 9/23/2025 19:18:56
 Comments: <Comment>
 Rack: 1
 Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.4045 ppm	0.1029 ppm	8.0091 [SIC 20]	0.1085 ppm	0.0000 ppm	60.1555 ppm
Concentration per Run 1	0.0001 ppm	0.4070 ppm	0.1018 ppm	7.9351 ppm	0.1093 ppm	0.0001 ppm	60.5774 ppm
Concentration per Run 2	0.0001 ppm	0.4076 ppm	0.1020 ppm	8.0518 ppm	0.1076 ppm	0.0000 ppm	59.8111 ppm
Concentration per Run 3	0.0004 ppm	0.3989 ppm	0.1048 ppm	8.0405 ppm	0.1085 ppm	0.0000 ppm	60.0779 ppm
Concentration RSD	78.9 %	1.2 %	1.7 %	0.8 %	0.8 %	239.2 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0199 ppm	0.1576 ppm	0.0984 ppm	2.8639 ppm	310.7568 ppm	0.1936 ppm
Concentration per Run 1	-0.0002 ppm	0.0196 ppm	0.1470 ppm	0.0927 ppm	2.8909 ppm	313.3780 ppm	0.1954 ppm
Concentration per Run 2	0.0000 ppm	0.0199 ppm	0.1680 ppm	0.1040 ppm	2.8429 ppm	309.2213 ppm	0.1934 ppm
Concentration per Run 3	0.0000 ppm	0.0202 ppm	0.1579 ppm	0.0985 ppm	2.8579 ppm	309.6712 ppm	0.1920 ppm
Concentration RSD	173.5 %	1.6 %	6.7 %	5.7 %	0.9 %	0.7 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	81.7399 ppm	0.3586 ppm	0.0024 ppm	1,232.2890 [SIC 500]	0.1406 ppm	0.0106 ppm	0.0022 ppm
Concentration per Run 1	76.6674 ppm	0.3622 ppm	0.0026 ppm	1,259.2207 ppm	0.1394 ppm	0.0104 ppm	0.0033 ppm
Concentration per Run 2	86.7507 ppm	0.3563 ppm	0.0025 ppm	1,217.9500 ppm	0.1413 ppm	0.0102 ppm	0.0021 ppm
Concentration per Run 3	81.8015 ppm	0.3572 ppm	0.0022 ppm	1,219.6965 ppm	0.1412 ppm	0.0110 ppm	0.0012 ppm
Concentration RSD	6.2 %	0.9 %	7.2 %	1.9 %	0.7 %	3.6 %	47.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0040 ppm	30.1974 [SIC 200]	0.0326 ppm	0.7744 ppm	0.0604 ppm	-0.0036 ppm	0.0759 ppm
Concentration per Run 1	0.0044 ppm	29.8951 ppm	0.0307 ppm	0.7812 ppm	0.0564 ppm	-0.0040 ppm	0.0711 ppm
Concentration per Run 2	0.0013 ppm	30.3522 ppm	0.0342 ppm	0.7711 ppm	0.0642 ppm	-0.0031 ppm	0.0804 ppm
Concentration per Run 3	0.0065 ppm	30.3449 ppm	0.0330 ppm	0.7708 ppm	0.0606 ppm	-0.0037 ppm	0.0761 ppm
Concentration RSD	65.1 %	0.9 %	5.5 %	0.8 %	6.5 %	12.7 %	6.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.8771 ppm	99.5737 %	86.3296 %	88.6686 %	100.3677 %	75.8354 %	85.8621 %
Concentration per Run 1	0.8689 ppm	99.5395 %	91.3246 %	89.4006 %	99.8444 %	76.5464 %	91.0217 %
Concentration per Run 2	0.8826 ppm	100.3481 %	81.6303 %	88.2989 %	101.2768 %	75.4300 %	81.0237 %
Concentration per Run 3	0.8797 ppm	98.8336 %	86.0339 %	88.3064 %	99.9819 %	75.5298 %	85.5411 %
Concentration RSD	0.8 %	0.8 %	5.6 %	0.7 %	0.8 %	0.8 %	5.8 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557288-03 WG2114988
 Analysis started at: 9/23/2025 19:31:22
 Comments: <Comment>
 Rack: 1
 Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0129 ppm	0.0024 ppm	1.6562 ppm	0.0008 ppm	0.0000 ppm	0.2229 ppm
Concentration per Run 1	0.0001 ppm	0.0111 ppm	0.0024 ppm	1.6558 ppm	0.0008 ppm	0.0000 ppm	0.2266 ppm
Concentration per Run 2	0.0005 ppm	0.0179 ppm	0.0037 ppm	1.6531 ppm	0.0008 ppm	0.0000 ppm	0.2235 ppm
Concentration per Run 3	0.0000 ppm	0.0099 ppm	0.0009 ppm	1.6599 ppm	0.0007 ppm	0.0001 ppm	0.2187 ppm
Concentration RSD	143.6 %	33.4 %	58.9 %	0.2 %	2.7 %	112.1 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0017 ppm	0.0129 ppm	2.5782 ppm	0.0013 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0018 ppm	0.0134 ppm	2.6318 ppm	0.0032 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0017 ppm	0.0134 ppm	2.5751 ppm	0.0002 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0017 ppm	0.0119 ppm	2.5275 ppm	0.0005 ppm
Concentration RSD	39.2 %	246.4 %	24.2 %	3.0 %	6.6 %	2.0 %	130.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.2336 ppm	0.0010 ppm	0.0001 ppm	8.1247 ppm	0.0009 ppm	0.0007 ppm	-0.0007 ppm
Concentration per Run 1	0.2361 ppm	0.0013 ppm	0.0000 ppm	8.3020 ppm	0.0004 ppm	0.0004 ppm	-0.0014 ppm
Concentration per Run 2	0.2342 ppm	0.0008 ppm	0.0001 ppm	8.0590 ppm	0.0012 ppm	0.0005 ppm	-0.0017 ppm
Concentration per Run 3	0.2306 ppm	0.0009 ppm	0.0001 ppm	8.0131 ppm	0.0010 ppm	0.0013 ppm	0.0009 ppm
Concentration RSD	1.2 %	26.9 %	88.1 %	1.9 %	49.2 %	69.1 %	198.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	0.1501 ppm	-0.0002 ppm	0.0021 ppm	0.0001 ppm	0.0011 ppm	0.0002 ppm
Concentration per Run 1	0.0020 ppm	0.1514 ppm	0.0006 ppm	0.0022 ppm	0.0000 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 2	0.0007 ppm	0.1503 ppm	-0.0003 ppm	0.0021 ppm	0.0001 ppm	0.0004 ppm	0.0005 ppm
Concentration per Run 3	-0.0002 ppm	0.1487 ppm	-0.0007 ppm	0.0021 ppm	0.0002 ppm	0.0019 ppm	0.0001 ppm
Concentration RSD	140.7 %	0.9 %	452.8 %	2.0 %	66.2 %	68.0 %	120.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0037 ppm	102.8813 %	102.2941 %	102.8796 %	102.1295 %	100.9788 %	101.6719 %
Concentration per Run 1	0.0036 ppm	101.9169 %	102.4373 %	103.1948 %	100.2268 %	101.2616 %	101.7031 %
Concentration per Run 2	0.0037 ppm	103.6324 %	102.6700 %	102.8141 %	103.1861 %	101.0052 %	102.1121 %
Concentration per Run 3	0.0037 ppm	103.0947 %	101.7750 %	102.6299 %	102.9758 %	100.6697 %	101.2005 %
Concentration RSD	1.1 %	0.9 %	0.5 %	0.3 %	1.6 %	0.3 %	0.4 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557288-04 WG2114988
 Analysis started at: 9/23/2025 19:35:50
 Comments: <Comment>
 Rack: 1
 Vial: 27

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0061 ppm	-0.0001 ppm	0.2016 ppm	0.0056 ppm	0.0000 ppm	0.0549 ppm
Concentration per Run 1	0.0003 ppm	0.0000 ppm	-0.0005 ppm	0.2008 ppm	0.0056 ppm	0.0000 ppm	0.0545 ppm
Concentration per Run 2	0.0002 ppm	-0.0022 ppm	-0.0001 ppm	0.2035 ppm	0.0056 ppm	0.0000 ppm	0.0547 ppm
Concentration per Run 3	0.0002 ppm	0.0204 ppm	0.0003 ppm	0.2005 ppm	0.0057 ppm	0.0000 ppm	0.0554 ppm
Concentration RSD	14.2 %	205.5 %	340.2 %	0.8 %	0.7 %	69.7 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0005 ppm	0.0192 ppm	0.0804 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0194 ppm	0.0824 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0004 ppm	0.0196 ppm	0.0968 ppm	0.0002 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	-0.0001 ppm	0.0004 ppm	0.0187 ppm	0.0619 ppm	0.0000 ppm
Concentration RSD	95.7 %	11.4 %	168.1 %	30.4 %	2.5 %	21.8 %	125.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0191 ppm	0.0002 ppm	0.0000 ppm	0.2544 ppm	0.0004 ppm	0.0005 ppm	0.0008 ppm
Concentration per Run 1	0.0169 ppm	0.0003 ppm	0.0001 ppm	0.2613 ppm	0.0006 ppm	0.0005 ppm	0.0010 ppm
Concentration per Run 2	0.0194 ppm	0.0003 ppm	-0.0001 ppm	0.2510 ppm	0.0003 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 3	0.0210 ppm	0.0000 ppm	0.0000 ppm	0.2510 ppm	0.0004 ppm	0.0008 ppm	-0.0003 ppm
Concentration RSD	11.0 %	73.4 %	989.2 %	2.3 %	30.8 %	87.5 %	124.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0023 ppm	0.0302 ppm	-0.0001 ppm	0.0005 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	0.0011 ppm	0.0300 ppm	0.0001 ppm	0.0005 ppm	-0.0003 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run 2	0.0037 ppm	0.0310 ppm	0.0002 ppm	0.0005 ppm	-0.0001 ppm	-0.0014 ppm	-0.0003 ppm
Concentration per Run 3	0.0021 ppm	0.0295 ppm	-0.0005 ppm	0.0005 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm
Concentration RSD	56.2 %	2.6 %	362.3 %	3.7 %	43.6 %	16,417.4 %	674.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0025 ppm	106.8866 %	104.8235 %	104.6475 %	105.8568 %	103.6983 %	103.6842 %
Concentration per Run 1	0.0026 ppm	105.9928 %	107.0372 %	105.3010 %	103.8256 %	104.3482 %	105.9702 %
Concentration per Run 2	0.0026 ppm	106.7000 %	103.2872 %	103.9645 %	106.1100 %	102.7600 %	101.9520 %
Concentration per Run 3	0.0024 ppm	107.9670 %	104.1460 %	104.6770 %	107.6348 %	103.9868 %	103.1306 %
Concentration RSD	5.1 %	0.9 %	1.9 %	0.6 %	1.8 %	0.8 %	2.0 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557288-05 WG2114988
 Analysis started at: 9/23/2025 19:40:19
 Comments: <Comment>
 Rack: 1
 Vial: 28

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0076 ppm	0.0008 ppm	0.0114 ppm	0.0004 ppm	0.0000 ppm	0.0530 ppm
Concentration per Run 1	0.0000 ppm	0.0116 ppm	0.0016 ppm	0.0118 ppm	0.0004 ppm	0.0000 ppm	0.0515 ppm
Concentration per Run 2	-0.0002 ppm	0.0089 ppm	-0.0009 ppm	0.0111 ppm	0.0002 ppm	0.0000 ppm	0.0532 ppm
Concentration per Run 3	0.0001 ppm	0.0024 ppm	0.0016 ppm	0.0114 ppm	0.0004 ppm	0.0001 ppm	0.0542 ppm
Concentration RSD	358.3 %	61.6 %	189.0 %	3.2 %	33.8 %	41.7 %	2.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0017 ppm	0.0337 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0012 ppm	0.0136 ppm	-0.0005 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0009 ppm	0.0017 ppm	0.0711 ppm	-0.0010 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0021 ppm	0.0165 ppm	0.0009 ppm
Concentration RSD	169.2 %	554.4 %	615.6 %	62.9 %	26.4 %	96.0 %	459.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0122 ppm	0.0008 ppm	0.0000 ppm	3.0523 ppm	0.0003 ppm	0.0006 ppm	0.0006 ppm
Concentration per Run 1	0.0124 ppm	0.0008 ppm	0.0000 ppm	3.0853 ppm	-0.0001 ppm	0.0008 ppm	-0.0003 ppm
Concentration per Run 2	0.0110 ppm	0.0011 ppm	0.0001 ppm	3.0385 ppm	0.0005 ppm	0.0005 ppm	0.0009 ppm
Concentration per Run 3	0.0134 ppm	0.0004 ppm	-0.0001 ppm	3.0332 ppm	0.0005 ppm	0.0006 ppm	0.0011 ppm
Concentration RSD	9.9 %	48.5 %	928.4 %	0.9 %	102.1 %	24.7 %	135.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0026 ppm	0.0238 ppm	-0.0006 ppm	0.0002 ppm	-0.0002 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run 1	0.0001 ppm	0.0246 ppm	-0.0007 ppm	0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 2	0.0031 ppm	0.0239 ppm	-0.0007 ppm	0.0002 ppm	-0.0001 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 3	0.0045 ppm	0.0231 ppm	-0.0005 ppm	0.0003 ppm	-0.0003 ppm	0.0007 ppm	0.0005 ppm
Concentration RSD	88.0 %	3.1 %	15.2 %	44.1 %	92.2 %	31.3 %	76.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0035 ppm	105.2200 %	103.8829 %	104.1391 %	104.8977 %	103.3464 %	103.5065 %
Concentration per Run 1	0.0034 ppm	104.8401 %	104.2570 %	104.6250 %	103.9065 %	103.6869 %	103.6727 %
Concentration per Run 2	0.0036 ppm	105.9542 %	103.9485 %	103.3427 %	105.7600 %	102.7341 %	103.6523 %
Concentration per Run 3	0.0034 ppm	104.8657 %	103.4433 %	104.4497 %	105.0265 %	103.6183 %	103.1945 %
Concentration RSD	3.1 %	0.6 %	0.4 %	0.7 %	0.9 %	0.5 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557305-02 WG2114988
 Analysis started at: 9/23/2025 19:44:50
 Comments: <Comment>
 Rack: 1
 Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0157 ppm	0.0026 ppm	0.2691 ppm	0.1115 ppm	0.0000 ppm	92.3711 ppm
Concentration per Run 1	0.0002 ppm	0.0155 ppm	0.0035 ppm	0.2692 ppm	0.1126 ppm	0.0000 ppm	93.3970 ppm
Concentration per Run 2	-0.0001 ppm	0.0192 ppm	0.0030 ppm	0.2696 ppm	0.1111 ppm	0.0000 ppm	91.8089 ppm
Concentration per Run 3	0.0001 ppm	0.0124 ppm	0.0012 ppm	0.2684 ppm	0.1108 ppm	0.0000 ppm	91.9076 ppm
Concentration RSD	142.2 %	21.7 %	46.9 %	0.2 %	0.9 %	136.5 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	-0.0006 ppm	0.0007 ppm	0.0021 ppm	1.8507 ppm	5.2715 ppm	0.0033 ppm
Concentration per Run 1	0.0001 ppm	-0.0003 ppm	0.0008 ppm	0.0023 ppm	1.8663 ppm	5.3376 ppm	0.0020 ppm
Concentration per Run 2	0.0001 ppm	-0.0006 ppm	0.0006 ppm	0.0019 ppm	1.8437 ppm	5.2691 ppm	0.0036 ppm
Concentration per Run 3	0.0001 ppm	-0.0009 ppm	0.0009 ppm	0.0020 ppm	1.8422 ppm	5.2080 ppm	0.0042 ppm
Concentration RSD	30.6 %	53.0 %	23.1 %	9.9 %	0.7 %	1.2 %	34.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	55.8850 ppm	2.6115 ppm	-0.0002 ppm	164.5757 ppm	0.0032 ppm	0.0044 ppm	-0.0019 ppm
Concentration per Run 1	56.0532 ppm	2.6402 ppm	-0.0001 ppm	166.6605 ppm	0.0035 ppm	0.0045 ppm	-0.0016 ppm
Concentration per Run 2	55.7800 ppm	2.5981 ppm	-0.0002 ppm	162.8650 ppm	0.0033 ppm	0.0041 ppm	-0.0007 ppm
Concentration per Run 3	55.8218 ppm	2.5962 ppm	-0.0003 ppm	164.2015 ppm	0.0028 ppm	0.0046 ppm	-0.0033 ppm
Concentration RSD	0.3 %	1.0 %	62.1 %	1.2 %	10.5 %	6.3 %	70.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	15.8237 ppm	0.0002 ppm	0.5921 ppm	0.0007 ppm	-0.0015 ppm	0.0037 ppm
Concentration per Run 1	0.0046 ppm	15.8144 ppm	-0.0002 ppm	0.5974 ppm	0.0007 ppm	-0.0011 ppm	0.0034 ppm
Concentration per Run 2	-0.0033 ppm	15.8719 ppm	0.0002 ppm	0.5906 ppm	0.0005 ppm	-0.0020 ppm	0.0039 ppm
Concentration per Run 3	0.0011 ppm	15.7847 ppm	0.0007 ppm	0.5883 ppm	0.0008 ppm	-0.0015 ppm	0.0039 ppm
Concentration RSD	500.5 %	0.3 %	231.6 %	0.8 %	28.1 %	32.4 %	7.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	104.1889 %	96.4879 %	96.8397 %	104.4808 %	89.4496 %	96.4203 %
Concentration per Run 1	0.0003 ppm	103.7769 %	96.3887 %	97.0035 %	103.5059 %	89.4621 %	96.2865 %
Concentration per Run 2	0.0002 ppm	105.1973 %	96.5317 %	96.9400 %	105.5163 %	89.1841 %	96.4123 %
Concentration per Run 3	0.0005 ppm	103.5926 %	96.5433 %	96.5756 %	104.4203 %	89.7026 %	96.5621 %
Concentration RSD	40.0 %	0.8 %	0.1 %	0.2 %	1.0 %	0.3 %	0.1 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2114988-7 WG2114988
 Analysis started at: 9/23/2025 19:49:26
 Comments: <Comment>
 Rack: 1
 Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0535 ppm	2.0605 ppm	0.1319 ppm	1.3061 ppm	2.1089 ppm	0.0501 ppm	102.3659 ppm
Concentration per Run 1	0.0532 ppm	2.0751 ppm	0.1298 ppm	1.3102 ppm	2.1265 ppm	0.0506 ppm	103.3128 ppm
Concentration per Run 2	0.0536 ppm	2.0584 ppm	0.1340 ppm	1.3118 ppm	2.0986 ppm	0.0498 ppm	101.7854 ppm
Concentration per Run 3	0.0538 ppm	2.0480 ppm	0.1319 ppm	1.2963 ppm	2.1015 ppm	0.0499 ppm	101.9994 ppm
Concentration RSD	0.6 %	0.7 %	1.6 %	0.7 %	0.7 %	0.9 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0531 ppm	0.4970 ppm	0.1950 ppm	0.2563 ppm	2.8113 ppm	16.0408 ppm	0.0033 ppm
Concentration per Run 1	0.0532 ppm	0.4983 ppm	0.1938 ppm	0.2561 ppm	2.8390 ppm	16.1420 ppm	0.0030 ppm
Concentration per Run 2	0.0534 ppm	0.4996 ppm	0.1954 ppm	0.2548 ppm	2.7965 ppm	15.9696 ppm	0.0027 ppm
Concentration per Run 3	0.0527 ppm	0.4932 ppm	0.1960 ppm	0.2581 ppm	2.7984 ppm	16.0107 ppm	0.0043 ppm
Concentration RSD	0.7 %	0.7 %	0.6 %	0.6 %	0.9 %	0.6 %	26.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	65.6086 ppm	3.0704 ppm	1.0111 ppm	176.3062 ppm	0.4976 ppm	0.5281 ppm	0.5349 ppm
Concentration per Run 1	65.2446 ppm	3.0982 ppm	1.0100 ppm	174.1386 ppm	0.4983 ppm	0.5283 ppm	0.5369 ppm
Concentration per Run 2	65.6604 ppm	3.0538 ppm	1.0170 ppm	177.0626 ppm	0.5002 ppm	0.5302 ppm	0.5361 ppm
Concentration per Run 3	65.9208 ppm	3.0592 ppm	1.0062 ppm	177.7174 ppm	0.4942 ppm	0.5257 ppm	0.5318 ppm
Concentration RSD	0.5 %	0.8 %	0.5 %	1.1 %	0.6 %	0.4 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1271 ppm	16.8114 ppm	0.9861 ppm	1.5813 ppm	0.9866 ppm	0.1151 ppm	0.5048 ppm
Concentration per Run 1	0.1263 ppm	16.8420 ppm	0.9881 ppm	1.5944 ppm	0.9826 ppm	0.1155 ppm	0.5035 ppm
Concentration per Run 2	0.1268 ppm	16.8954 ppm	0.9902 ppm	1.5738 ppm	0.9863 ppm	0.1165 ppm	0.5038 ppm
Concentration per Run 3	0.1283 ppm	16.6970 ppm	0.9800 ppm	1.5757 ppm	0.9908 ppm	0.1134 ppm	0.5071 ppm
Concentration RSD	0.8 %	0.6 %	0.5 %	0.7 %	0.4 %	1.4 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4980 ppm	103.7590 %	96.3575 %	96.9071 %	104.0077 %	89.3438 %	96.1838 %
Concentration per Run 1	0.4996 ppm	103.8259 %	96.7474 %	97.1119 %	103.4864 %	89.2450 %	96.4395 %
Concentration per Run 2	0.5007 ppm	103.9771 %	96.4567 %	96.4622 %	104.4316 %	88.9459 %	96.2815 %
Concentration per Run 3	0.4939 ppm	103.4741 %	95.8684 %	97.1471 %	104.1051 %	89.8404 %	95.8303 %
Concentration RSD	0.7 %	0.2 %	0.5 %	0.4 %	0.5 %	0.5 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2114988-8 WG2114988
 Analysis started at: 9/23/2025 19:53:47
 Comments: <Comment>
 Rack: 1
 Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0109 ppm	0.0039 ppm	0.2714 ppm	0.1123 ppm	0.0001 ppm	93.3237 ppm
Concentration per Run 1	0.0000 ppm	0.0075 ppm	0.0044 ppm	0.2712 ppm	0.1130 ppm	0.0000 ppm	94.1948 ppm
Concentration per Run 2	0.0002 ppm	0.0209 ppm	0.0053 ppm	0.2714 ppm	0.1116 ppm	0.0001 ppm	92.8227 ppm
Concentration per Run 3	0.0001 ppm	0.0043 ppm	0.0021 ppm	0.2716 ppm	0.1122 ppm	0.0001 ppm	92.9535 ppm
Concentration RSD	126.2 %	81.0 %	41.3 %	0.1 %	0.6 %	40.4 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0005 ppm	0.0009 ppm	0.0021 ppm	1.8558 ppm	5.3299 ppm	0.0025 ppm
Concentration per Run 1	0.0000 ppm	-0.0005 ppm	0.0011 ppm	0.0020 ppm	1.8730 ppm	5.3612 ppm	0.0020 ppm
Concentration per Run 2	0.0000 ppm	-0.0007 ppm	0.0008 ppm	0.0024 ppm	1.8411 ppm	5.3113 ppm	0.0030 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	0.0009 ppm	0.0020 ppm	1.8533 ppm	5.3171 ppm	0.0025 ppm
Concentration RSD	13.1 %	36.5 %	15.7 %	11.8 %	0.9 %	0.5 %	19.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	56.1868 ppm	2.6190 ppm	0.0009 ppm	169.9972 ppm	0.0028 ppm	0.0047 ppm	-0.0002 ppm
Concentration per Run 1	56.1072 ppm	2.6432 ppm	0.0012 ppm	172.7323 ppm	0.0033 ppm	0.0047 ppm	0.0003 ppm
Concentration per Run 2	56.1044 ppm	2.6028 ppm	0.0010 ppm	167.9715 ppm	0.0022 ppm	0.0046 ppm	0.0003 ppm
Concentration per Run 3	56.3487 ppm	2.6110 ppm	0.0004 ppm	169.2877 ppm	0.0030 ppm	0.0048 ppm	-0.0012 ppm
Concentration RSD	0.2 %	0.8 %	53.6 %	1.4 %	20.5 %	2.2 %	425.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0006 ppm	15.9356 ppm	0.0010 ppm	0.5949 ppm	0.0007 ppm	-0.0018 ppm	0.0037 ppm
Concentration per Run 1	0.0014 ppm	15.8881 ppm	0.0024 ppm	0.5990 ppm	0.0007 ppm	-0.0001 ppm	0.0038 ppm
Concentration per Run 2	-0.0024 ppm	15.9814 ppm	0.0008 ppm	0.5921 ppm	0.0005 ppm	-0.0020 ppm	0.0039 ppm
Concentration per Run 3	-0.0007 ppm	15.9373 ppm	-0.0002 ppm	0.5936 ppm	0.0009 ppm	-0.0033 ppm	0.0035 ppm
Concentration RSD	332.4 %	0.3 %	130.0 %	0.6 %	24.5 %	88.3 %	5.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0011 ppm	103.5922 %	96.5492 %	96.2524 %	103.7383 %	89.0681 %	96.4614 %
Concentration per Run 1	0.0011 ppm	103.4255 %	96.7514 %	96.3434 %	102.8877 %	89.3715 %	96.5513 %
Concentration per Run 2	0.0011 ppm	104.2888 %	96.8429 %	96.3547 %	104.5467 %	88.7555 %	96.7033 %
Concentration per Run 3	0.0009 ppm	103.0622 %	96.0533 %	96.0589 %	103.7805 %	89.0774 %	96.1297 %
Concentration RSD	9.8 %	0.6 %	0.4 %	0.2 %	0.8 %	0.3 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2114988-9 WG2114988
 Analysis started at: 9/23/2025 19:58:23
 Comments: <Comment>
 Rack: 1
 Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0491 ppm	1.9525 ppm	0.1259 ppm	1.2874 ppm	2.0163 ppm	0.0479 ppm	99.6605 ppm
Concentration per Run 1	0.0493 ppm	1.9571 ppm	0.1229 ppm	1.2711 ppm	2.0290 ppm	0.0483 ppm	100.5037 ppm
Concentration per Run 2	0.0491 ppm	1.9616 ppm	0.1265 ppm	1.2948 ppm	2.0177 ppm	0.0479 ppm	99.8117 ppm
Concentration per Run 3	0.0488 ppm	1.9389 ppm	0.1284 ppm	1.2963 ppm	2.0021 ppm	0.0475 ppm	98.6660 ppm
Concentration RSD	0.5 %	0.6 %	2.2 %	1.1 %	0.7 %	0.9 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0518 ppm	0.4800 ppm	0.1855 ppm	0.2439 ppm	2.7197 ppm	15.7402 ppm	0.0028 ppm
Concentration per Run 1	0.0512 ppm	0.4740 ppm	0.1867 ppm	0.2435 ppm	2.7397 ppm	15.8774 ppm	0.0023 ppm
Concentration per Run 2	0.0521 ppm	0.4824 ppm	0.1844 ppm	0.2436 ppm	2.7209 ppm	15.6913 ppm	0.0028 ppm
Concentration per Run 3	0.0521 ppm	0.4836 ppm	0.1856 ppm	0.2445 ppm	2.6985 ppm	15.6520 ppm	0.0032 ppm
Concentration RSD	1.0 %	1.1 %	0.6 %	0.2 %	0.8 %	0.8 %	16.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	63.7132 ppm	2.9779 ppm	0.9963 ppm	172.2725 ppm	0.4817 ppm	0.5108 ppm	0.5032 ppm
Concentration per Run 1	63.8223 ppm	3.0033 ppm	0.9841 ppm	173.3275 ppm	0.4769 ppm	0.5054 ppm	0.4962 ppm
Concentration per Run 2	63.6252 ppm	2.9800 ppm	1.0009 ppm	173.7430 ppm	0.4825 ppm	0.5138 ppm	0.5046 ppm
Concentration per Run 3	63.6922 ppm	2.9503 ppm	1.0039 ppm	169.7471 ppm	0.4856 ppm	0.5133 ppm	0.5087 ppm
Concentration RSD	0.2 %	0.9 %	1.1 %	1.3 %	0.9 %	0.9 %	1.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1198 ppm	16.4142 ppm	0.9893 ppm	1.5460 ppm	0.9535 ppm	0.1109 ppm	0.4808 ppm
Concentration per Run 1	0.1192 ppm	16.2192 ppm	0.9758 ppm	1.5569 ppm	0.9542 ppm	0.1095 ppm	0.4827 ppm
Concentration per Run 2	0.1208 ppm	16.4946 ppm	0.9967 ppm	1.5463 ppm	0.9519 ppm	0.1116 ppm	0.4794 ppm
Concentration per Run 3	0.1194 ppm	16.5287 ppm	0.9954 ppm	1.5348 ppm	0.9544 ppm	0.1116 ppm	0.4803 ppm
Concentration RSD	0.8 %	1.0 %	1.2 %	0.7 %	0.1 %	1.1 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4800 ppm	104.0727 %	96.6738 %	95.4340 %	104.1597 %	88.2780 %	96.5502 %
Concentration per Run 1	0.4750 ppm	104.0977 %	96.4580 %	96.6100 %	103.5303 %	89.1980 %	96.1474 %
Concentration per Run 2	0.4811 ppm	103.5988 %	96.8685 %	94.9471 %	103.7129 %	88.0070 %	96.7998 %
Concentration per Run 3	0.4838 ppm	104.5214 %	96.6948 %	94.7450 %	105.2360 %	87.6289 %	96.7034 %
Concentration RSD	0.9 %	0.4 %	0.2 %	1.1 %	0.9 %	0.9 %	0.4 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2114988-10d5 WG2114988
 Analysis started at: 9/23/2025 20:02:46
 Comments: 5x for color
 Rack: 1
 Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0071 ppm	0.0005 ppm	0.0555 ppm	0.0225 ppm	0.0001 ppm	18.5051 ppm
Concentration per Run 1	0.0005 ppm	0.0040 ppm	-0.0001 ppm	0.0555 ppm	0.0229 ppm	0.0001 ppm	18.8640 ppm
Concentration per Run 2	-0.0001 ppm	0.0036 ppm	0.0014 ppm	0.0557 ppm	0.0223 ppm	0.0000 ppm	18.3453 ppm
Concentration per Run 3	0.0003 ppm	0.0136 ppm	0.0003 ppm	0.0554 ppm	0.0223 ppm	0.0001 ppm	18.3061 ppm
Concentration RSD	117.1 %	79.9 %	142.9 %	0.3 %	1.6 %	101.4 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0009 ppm	0.3778 ppm	1.0734 ppm	0.0019 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0008 ppm	0.3852 ppm	1.1260 ppm	0.0011 ppm
Concentration per Run 2	0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0009 ppm	0.3735 ppm	1.0625 ppm	0.0036 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0009 ppm	0.3747 ppm	1.0316 ppm	0.0012 ppm
Concentration RSD	232.8 %	515.5 %	761.2 %	6.5 %	1.7 %	4.5 %	72.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	11.0596 ppm	0.5298 ppm	0.0013 ppm	33.0294 ppm	0.0002 ppm	0.0016 ppm	0.0021 ppm
Concentration per Run 1	11.0368 ppm	0.5393 ppm	0.0016 ppm	33.6476 ppm	0.0004 ppm	0.0014 ppm	0.0020 ppm
Concentration per Run 2	11.1241 ppm	0.5256 ppm	0.0013 ppm	32.7132 ppm	0.0002 ppm	0.0011 ppm	0.0029 ppm
Concentration per Run 3	11.0179 ppm	0.5244 ppm	0.0010 ppm	32.7273 ppm	0.0000 ppm	0.0024 ppm	0.0015 ppm
Concentration RSD	0.5 %	1.6 %	23.0 %	1.6 %	107.1 %	42.2 %	32.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	2.9445 ppm	0.0012 ppm	0.1187 ppm	0.0002 ppm	0.0006 ppm	0.0008 ppm
Concentration per Run 1	0.0017 ppm	2.9373 ppm	0.0022 ppm	0.1210 ppm	0.0003 ppm	0.0011 ppm	0.0004 ppm
Concentration per Run 2	0.0009 ppm	2.9500 ppm	0.0002 ppm	0.1174 ppm	0.0000 ppm	0.0001 ppm	0.0012 ppm
Concentration per Run 3	-0.0008 ppm	2.9461 ppm	0.0012 ppm	0.1178 ppm	0.0003 ppm	0.0007 ppm	0.0008 ppm
Concentration RSD	216.4 %	0.2 %	81.9 %	1.7 %	97.9 %	79.6 %	52.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	104.2964 %	101.1131 %	101.1655 %	104.3310 %	98.1535 %	101.2424 %
Concentration per Run 1	0.0001 ppm	102.7946 %	101.3876 %	101.3838 %	102.3110 %	98.4552 %	101.4793 %
Concentration per Run 2	0.0000 ppm	104.5743 %	100.5191 %	101.1052 %	105.0405 %	98.0025 %	100.6822 %
Concentration per Run 3	0.0001 ppm	105.5202 %	101.4324 %	101.0074 %	105.6416 %	98.0027 %	101.5658 %
Concentration RSD	71.6 %	1.3 %	0.5 %	0.2 %	1.7 %	0.3 %	0.5 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCV
Analysis started at: 9/23/2025 20:07:16
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4878 ppm	0.5058 ppm	0.4699 ppm	0.4792 ppm	0.4911 ppm	0.4962 ppm	0.5038 ppm
Concentration per Run 1	0.4901 ppm	0.5161 ppm	0.4671 ppm	0.4781 ppm	0.4992 ppm	0.5056 ppm	0.5026 ppm
Concentration per Run 2	0.4871 ppm	0.5024 ppm	0.4721 ppm	0.4784 ppm	0.4874 ppm	0.4925 ppm	0.5043 ppm
Concentration per Run 3	0.4862 ppm	0.4989 ppm	0.4705 ppm	0.4809 ppm	0.4866 ppm	0.4906 ppm	0.5046 ppm
Recovery Percentage 1	97.556 %	101.163 %	93.976 %	95.830 %	98.212 %	99.244 %	100.764 %
Concentration RSD	0.4 %	1.8 %	0.5 %	0.3 %	1.4 %	1.6 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4803 ppm	0.4954 ppm	0.4961 ppm	0.5016 ppm	0.4968 ppm	5.1486 ppm	0.5071 ppm
Concentration per Run 1	0.4801 ppm	0.4951 ppm	0.4973 ppm	0.5036 ppm	0.5055 ppm	5.2237 ppm	0.5167 ppm
Concentration per Run 2	0.4795 ppm	0.4944 ppm	0.4955 ppm	0.5014 ppm	0.4919 ppm	5.1223 ppm	0.5029 ppm
Concentration per Run 3	0.4812 ppm	0.4967 ppm	0.4955 ppm	0.4997 ppm	0.4931 ppm	5.0998 ppm	0.5016 ppm
Recovery Percentage 1	96.054 %	99.080 %	99.222 %	100.311 %	99.361 %	102.972 %	101.410 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.4 %	1.5 %	1.3 %	1.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4963 ppm	0.4992 ppm	0.4772 ppm	9.9726 ppm	0.4941 ppm	0.4913 ppm	0.4975 ppm
Concentration per Run 1	0.4965 ppm	0.5078 ppm	0.4761 ppm	10.1356 ppm	0.4946 ppm	0.4911 ppm	0.4979 ppm
Concentration per Run 2	0.4991 ppm	0.4958 ppm	0.4766 ppm	9.9027 ppm	0.4937 ppm	0.4913 ppm	0.4977 ppm
Concentration per Run 3	0.4932 ppm	0.4939 ppm	0.4789 ppm	9.8797 ppm	0.4939 ppm	0.4914 ppm	0.4971 ppm
Recovery Percentage 1	99.259 %	99.836 %	95.436 %	99.726 %	98.813 %	98.253 %	99.509 %
Concentration RSD	0.6 %	1.5 %	0.3 %	1.4 %	0.1 %	0.0 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4785 ppm	5.3339 ppm	0.4840 ppm	0.4963 ppm	0.4911 ppm	0.4998 ppm	0.4989 ppm
Concentration per Run 1	0.4785 ppm	5.3222 ppm	0.4837 ppm	0.5053 ppm	0.4923 ppm	0.4992 ppm	0.5013 ppm
Concentration per Run 2	0.4787 ppm	5.3294 ppm	0.4842 ppm	0.4919 ppm	0.4912 ppm	0.5006 ppm	0.4979 ppm
Concentration per Run 3	0.4782 ppm	5.3501 ppm	0.4843 ppm	0.4916 ppm	0.4898 ppm	0.4995 ppm	0.4976 ppm
Recovery Percentage 1	95.694 %	101.598 %	96.807 %	99.255 %	98.220 %	99.952 %	99.782 %
Concentration RSD	0.0 %	0.3 %	0.1 %	1.6 %	0.3 %	0.2 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4833 ppm	103.9301 %	101.7791 %	102.2950 %	104.8329 %	100.2606 %	102.6351 %
Concentration per Run 1	0.4832 ppm	102.9773 %	101.5796 %	102.3272 %	103.4107 %	100.4410 %	102.4500 %
Concentration per Run 2	0.4828 ppm	104.0731 %	101.9328 %	102.2628 %	105.4012 %	100.3971 %	102.7817 %
Concentration per Run 3	0.4840 ppm	104.7398 %	101.8248 %	102.2951 %	105.6868 %	99.9438 %	102.6737 %
Recovery Percentage 1	96.660 %						
Concentration RSD	0.1 %	0.9 %	0.2 %	0.0 %	1.2 %	0.3 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCB
 Analysis started at: 9/23/2025 20:11:31
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0028 ppm	0.0013 ppm	0.0038 ppm	0.0002 ppm	0.0001 ppm	0.0111 ppm
Concentration per Run 1	0.0007 ppm	-0.0008 ppm	0.0016 ppm	0.0039 ppm	0.0003 ppm	0.0001 ppm	0.0077 ppm
Concentration per Run 2	-0.0002 ppm	0.0012 ppm	0.0031 ppm	0.0035 ppm	0.0002 ppm	0.0001 ppm	0.0137 ppm
Concentration per Run 3	0.0000 ppm	0.0078 ppm	-0.0008 ppm	0.0040 ppm	0.0001 ppm	0.0001 ppm	0.0119 ppm
Recovery Percentage 1	3.208 %	2.757 %	26.325 %	12.622 %	1.783 %	1.808 %	11.070 %
Concentration RSD	285.7 %	163.6 %	148.3 %	7.4 %	45.0 %	9.9 %	27.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0014 ppm	0.0219 ppm	0.0010 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0015 ppm	0.0209 ppm	0.0006 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0010 ppm	0.0401 ppm	0.0026 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0016 ppm	0.0045 ppm	-0.0003 ppm
Recovery Percentage 1	1.484 %	-0.458 %	0.457 %	3.888 %	2.747 %	0.875 %	9.757 %
Concentration RSD	39.5 %	238.8 %	354.8 %	16.1 %	22.1 %	81.5 %	153.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0026 ppm	0.0001 ppm	0.0004 ppm	0.0613 ppm	-0.0001 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run 1	0.0023 ppm	0.0001 ppm	0.0005 ppm	0.0606 ppm	0.0000 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 2	0.0023 ppm	0.0002 ppm	0.0003 ppm	0.0649 ppm	-0.0001 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 3	0.0032 ppm	0.0000 ppm	0.0004 ppm	0.0585 ppm	-0.0001 ppm	0.0007 ppm	0.0003 ppm
Recovery Percentage 1	2.599 %	0.809 %	0.785 %	3.065 %	-0.296 %	6.184 %	0.390 %
Concentration RSD	19.3 %	130.9 %	18.0 %	5.3 %	74.2 %	83.7 %	44.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0012 ppm	0.0059 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 1	0.0011 ppm	0.0060 ppm	-0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run 2	0.0014 ppm	0.0059 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm	0.0004 ppm
Concentration per Run 3	0.0011 ppm	0.0058 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm
Recovery Percentage 1	11.940 %	1.185 %	0.015 %	0.956 %	-0.171 %	-0.086 %	1.043 %
Concentration RSD	16.9 %	1.6 %	1,546.9 %	41.7 %	396.6 %	5,340.1 %	277.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	103.0977 %	101.1273 %	101.4204 %	101.5383 %	100.6967 %	99.9422 %
Concentration per Run 1	0.0001 ppm	102.2789 %	101.3969 %	101.5452 %	100.1636 %	100.5468 %	100.1597 %
Concentration per Run 2	-0.0001 ppm	103.7165 %	100.8099 %	101.4194 %	102.4574 %	100.6044 %	99.6030 %
Concentration per Run 3	0.0000 ppm	103.2978 %	101.1750 %	101.2968 %	101.9938 %	100.9391 %	100.0638 %
Recovery Percentage 1	-0.046 %						
Concentration RSD	4,046.6 %	0.7 %	0.3 %	0.1 %	1.2 %	0.2 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2115585-1 WG2115585
 Analysis started at: 9/23/2025 20:27:49
 Comments: <Comment>
 Rack: 1
 Vial: 31

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0058 ppm	0.0017 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0096 ppm
Concentration per Run 1	0.0000 ppm	0.0026 ppm	0.0014 ppm	0.0016 ppm	0.0002 ppm	0.0000 ppm	0.0142 ppm
Concentration per Run 2	0.0003 ppm	0.0027 ppm	0.0022 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0109 ppm
Concentration per Run 3	0.0001 ppm	0.0121 ppm	0.0015 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0038 ppm
Recovery Percentage 1	2.271 %	5.845 %	33.540 %	5.162 %	1.257 %	0.464 %	9.626 %
Concentration RSD	143.1 %	93.3 %	25.6 %	7.6 %	36.8 %	136.6 %	55.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0002 ppm	0.0337 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0003 ppm	0.0251 ppm	0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm	-0.0006 ppm	0.0293 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0010 ppm	0.0468 ppm	0.0000 ppm
Recovery Percentage 1	0.358 %	-0.121 %	0.566 %	3.978 %	0.440 %	1.349 %	-0.981 %
Concentration RSD	233.7 %	1,449.2 %	177.1 %	6.5 %	352.8 %	34.2 %	428.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0036 ppm	0.0006 ppm	0.0000 ppm	0.0251 ppm	0.0006 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run 1	0.0027 ppm	0.0006 ppm	0.0002 ppm	0.0330 ppm	0.0003 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run 2	0.0054 ppm	0.0008 ppm	0.0000 ppm	0.0174 ppm	0.0006 ppm	0.0008 ppm	0.0003 ppm
Concentration per Run 3	0.0028 ppm	0.0004 ppm	0.0000 ppm	0.0251 ppm	0.0008 ppm	0.0004 ppm	-0.0002 ppm
Recovery Percentage 1	3.596 %	5.867 %	0.085 %	1.257 %	2.273 %	9.188 %	0.005 %
Concentration RSD	42.6 %	30.7 %	248.5 %	31.0 %	50.0 %	66.4 %	10,926.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0022 ppm	0.0053 ppm	-0.0004 ppm	0.0001 ppm	-0.0002 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run 1	0.0046 ppm	0.0051 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm	-0.0002 ppm	-0.0003 ppm
Concentration per Run 2	0.0003 ppm	0.0055 ppm	-0.0006 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 3	0.0017 ppm	0.0052 ppm	-0.0008 ppm	0.0000 ppm	-0.0006 ppm	0.0001 ppm	-0.0001 ppm
Recovery Percentage 1	22.036 %	1.051 %	-0.822 %	0.674 %	-2.395 %	-0.462 %	-0.847 %
Concentration RSD	99.1 %	4.3 %	126.5 %	41.4 %	123.7 %	140.7 %	199.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	105.5963 %	105.0608 %	106.0642 %	104.3509 %	105.3081 %	103.8343 %
Concentration per Run 1	0.0001 ppm	104.5376 %	105.0399 %	105.9393 %	102.7514 %	105.1072 %	103.7173 %
Concentration per Run 2	0.0003 ppm	105.2016 %	105.0610 %	106.0292 %	104.0878 %	105.1129 %	103.9106 %
Concentration per Run 3	0.0000 ppm	107.0497 %	105.0816 %	106.2240 %	106.2134 %	105.7044 %	103.8750 %
Recovery Percentage 1	2.303 %						
Concentration RSD	141.8 %	1.2 %	0.0 %	0.1 %	1.7 %	0.3 %	0.1 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2115585-2 WG2115585
 Analysis started at: 9/23/2025 20:32:21
 Comments: <Comment>
 Rack: 1
 Vial: 32

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0531 ppm	2.0955 ppm	0.1213 ppm	0.9796 ppm	2.0587 ppm	0.0513 ppm	10.5984 ppm
Concentration per Run 1	0.0533 ppm	2.1304 ppm	0.1180 ppm	0.9806 ppm	2.0938 ppm	0.0523 ppm	10.8438 ppm
Concentration per Run 2	0.0530 ppm	2.0729 ppm	0.1239 ppm	0.9781 ppm	2.0413 ppm	0.0507 ppm	10.4891 ppm
Concentration per Run 3	0.0531 ppm	2.0832 ppm	0.1218 ppm	0.9800 ppm	2.0410 ppm	0.0509 ppm	10.4621 ppm
Concentration RSD	0.3 %	1.5 %	2.5 %	0.1 %	1.5 %	1.7 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0522 ppm	0.4981 ppm	0.2001 ppm	0.2551 ppm	1.0316 ppm	10.6182 ppm	0.0005 ppm
Concentration per Run 1	0.0523 ppm	0.5001 ppm	0.2014 ppm	0.2545 ppm	1.0508 ppm	10.7894 ppm	0.0002 ppm
Concentration per Run 2	0.0523 ppm	0.4984 ppm	0.2000 ppm	0.2549 ppm	1.0237 ppm	10.5457 ppm	0.0002 ppm
Concentration per Run 3	0.0520 ppm	0.4957 ppm	0.1989 ppm	0.2559 ppm	1.0202 ppm	10.5196 ppm	0.0011 ppm
Concentration RSD	0.4 %	0.4 %	0.6 %	0.3 %	1.6 %	1.4 %	96.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.8978 ppm	0.5114 ppm	0.9758 ppm	10.5767 ppm	0.4975 ppm	0.5241 ppm	0.4995 ppm
Concentration per Run 1	9.9193 ppm	0.5206 ppm	0.9757 ppm	10.7588 ppm	0.4982 ppm	0.5244 ppm	0.4974 ppm
Concentration per Run 2	9.8992 ppm	0.5071 ppm	0.9763 ppm	10.4949 ppm	0.4975 ppm	0.5243 ppm	0.4994 ppm
Concentration per Run 3	9.8749 ppm	0.5067 ppm	0.9753 ppm	10.4766 ppm	0.4969 ppm	0.5235 ppm	0.5017 ppm
Concentration RSD	0.2 %	1.5 %	0.1 %	1.5 %	0.1 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1185 ppm	1.0197 ppm	0.9728 ppm	1.0120 ppm	0.9889 ppm	0.1215 ppm	0.5054 ppm
Concentration per Run 1	0.1174 ppm	1.0201 ppm	0.9759 ppm	1.0295 ppm	0.9906 ppm	0.1217 ppm	0.5061 ppm
Concentration per Run 2	0.1197 ppm	1.0199 ppm	0.9740 ppm	1.0034 ppm	0.9889 ppm	0.1213 ppm	0.5048 ppm
Concentration per Run 3	0.1184 ppm	1.0190 ppm	0.9686 ppm	1.0029 ppm	0.9873 ppm	0.1214 ppm	0.5054 ppm
Concentration RSD	1.0 %	0.1 %	0.4 %	1.5 %	0.2 %	0.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4887 ppm	105.3701 %	102.2793 %	102.7760 %	104.3980 %	99.4821 %	101.6871 %
Concentration per Run 1	0.4894 ppm	103.9394 %	102.0848 %	102.8552 %	102.1388 %	99.3858 %	101.4082 %
Concentration per Run 2	0.4900 ppm	106.0135 %	102.3098 %	102.7108 %	105.4327 %	99.3543 %	101.7610 %
Concentration per Run 3	0.4867 ppm	106.1574 %	102.4433 %	102.7622 %	105.6226 %	99.7062 %	101.8920 %
Concentration RSD	0.4 %	1.2 %	0.2 %	0.1 %	1.9 %	0.2 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2115668-2 WG2115668
 Analysis started at: 9/23/2025 20:36:34
 Comments: Sb RR
 Rack: 1
 Vial: 35

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0520 ppm	2.0622 ppm	0.1176 ppm	0.9596 ppm	2.0169 ppm	0.0504 ppm	10.2911 ppm
Concentration per Run 1	0.0520 ppm	2.1050 ppm	0.1163 ppm	0.9606 ppm	2.0540 ppm	0.0513 ppm	10.4908 ppm
Concentration per Run 2	0.0520 ppm	2.0404 ppm	0.1177 ppm	0.9604 ppm	2.0025 ppm	0.0501 ppm	10.2337 ppm
Concentration per Run 3	0.0521 ppm	2.0412 ppm	0.1186 ppm	0.9578 ppm	1.9941 ppm	0.0497 ppm	10.1488 ppm
Concentration RSD	0.1 %	1.8 %	1.0 %	0.2 %	1.6 %	1.7 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0515 ppm	0.4895 ppm	0.1970 ppm	0.2496 ppm	1.0100 ppm	10.3411 ppm	0.0005 ppm
Concentration per Run 1	0.0515 ppm	0.4898 ppm	0.1973 ppm	0.2495 ppm	1.0330 ppm	10.5370 ppm	0.0009 ppm
Concentration per Run 2	0.0514 ppm	0.4891 ppm	0.1963 ppm	0.2488 ppm	1.0028 ppm	10.2780 ppm	0.0003 ppm
Concentration per Run 3	0.0515 ppm	0.4895 ppm	0.1975 ppm	0.2504 ppm	0.9943 ppm	10.2083 ppm	0.0002 ppm
Concentration RSD	0.1 %	0.1 %	0.3 %	0.3 %	2.0 %	1.7 %	80.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.7241 ppm	0.5006 ppm	0.9574 ppm	10.2844 ppm	0.4897 ppm	0.5138 ppm	0.4943 ppm
Concentration per Run 1	9.7389 ppm	0.5101 ppm	0.9573 ppm	10.4556 ppm	0.4907 ppm	0.5145 ppm	0.4939 ppm
Concentration per Run 2	9.6890 ppm	0.4977 ppm	0.9573 ppm	10.2488 ppm	0.4888 ppm	0.5135 ppm	0.4951 ppm
Concentration per Run 3	9.7442 ppm	0.4941 ppm	0.9576 ppm	10.1487 ppm	0.4895 ppm	0.5134 ppm	0.4939 ppm
Concentration RSD	0.3 %	1.7 %	0.0 %	1.5 %	0.2 %	0.1 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1155 ppm	1.0053 ppm	0.9514 ppm	0.9880 ppm	0.9706 ppm	0.1194 ppm	0.4978 ppm
Concentration per Run 1	0.1158 ppm	1.0069 ppm	0.9511 ppm	1.0064 ppm	0.9700 ppm	0.1186 ppm	0.4978 ppm
Concentration per Run 2	0.1133 ppm	1.0044 ppm	0.9532 ppm	0.9812 ppm	0.9674 ppm	0.1199 ppm	0.4952 ppm
Concentration per Run 3	0.1173 ppm	1.0046 ppm	0.9498 ppm	0.9765 ppm	0.9745 ppm	0.1195 ppm	0.5004 ppm
Concentration RSD	1.8 %	0.1 %	0.2 %	1.6 %	0.4 %	0.6 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4820 ppm	105.4955 %	102.4520 %	102.8005 %	104.8988 %	99.6278 %	102.2247 %
Concentration per Run 1	0.4833 ppm	104.3817 %	102.3632 %	102.6265 %	103.2610 %	99.6561 %	101.9774 %
Concentration per Run 2	0.4817 ppm	105.8246 %	102.9467 %	102.9590 %	105.1701 %	99.6612 %	102.7984 %
Concentration per Run 3	0.4811 ppm	106.2801 %	102.0462 %	102.8159 %	106.2652 %	99.5661 %	101.8983 %
Concentration RSD	0.2 %	0.9 %	0.4 %	0.2 %	1.4 %	0.1 %	0.5 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557794-01 WG2115668
 Analysis started at: 9/23/2025 20:40:48
 Comments: <Comment>
 Rack: 1
 Vial: 36

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0256 ppm	0.0018 ppm	0.0194 ppm	0.0071 ppm	0.0001 ppm	3.3723 ppm
Concentration per Run 1	0.0001 ppm	0.0241 ppm	0.0005 ppm	0.0191 ppm	0.0072 ppm	0.0001 ppm	3.4218 ppm
Concentration per Run 2	0.0001 ppm	0.0242 ppm	0.0023 ppm	0.0196 ppm	0.0070 ppm	0.0001 ppm	3.3672 ppm
Concentration per Run 3	0.0001 ppm	0.0285 ppm	0.0025 ppm	0.0196 ppm	0.0072 ppm	0.0001 ppm	3.3278 ppm
Concentration RSD	17.6 %	9.8 %	60.3 %	1.4 %	1.4 %	21.1 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0334 ppm	0.2168 ppm	1.2610 ppm	0.0009 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0335 ppm	0.2189 ppm	1.3003 ppm	0.0007 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0331 ppm	0.2160 ppm	1.2525 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0338 ppm	0.2155 ppm	1.2303 ppm	0.0017 ppm
Concentration RSD	100.3 %	60.6 %	46.6 %	1.1 %	0.9 %	2.8 %	86.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.6214 ppm	0.0045 ppm	0.0013 ppm	48.2048 ppm	0.0002 ppm	0.0033 ppm	0.0012 ppm
Concentration per Run 1	0.6198 ppm	0.0046 ppm	0.0016 ppm	48.8868 ppm	0.0005 ppm	0.0046 ppm	0.0017 ppm
Concentration per Run 2	0.6224 ppm	0.0044 ppm	0.0012 ppm	48.0821 ppm	0.0005 ppm	0.0028 ppm	0.0010 ppm
Concentration per Run 3	0.6219 ppm	0.0044 ppm	0.0012 ppm	47.6455 ppm	-0.0004 ppm	0.0025 ppm	0.0007 ppm
Concentration RSD	0.2 %	2.7 %	16.4 %	1.3 %	277.3 %	35.0 %	44.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	1.0889 ppm	0.0006 ppm	0.0269 ppm	0.0002 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 1	0.0041 ppm	1.0766 ppm	0.0010 ppm	0.0273 ppm	0.0002 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run 2	0.0003 ppm	1.0752 ppm	0.0002 ppm	0.0268 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 3	0.0005 ppm	1.1151 ppm	0.0005 ppm	0.0265 ppm	0.0004 ppm	-0.0004 ppm	-0.0002 ppm
Concentration RSD	130.8 %	2.1 %	78.6 %	1.4 %	49.8 %	187.7 %	80.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0193 ppm	106.6918 %	101.9683 %	100.2716 %	105.9702 %	97.6944 %	101.4343 %
Concentration per Run 1	0.0191 ppm	105.4738 %	101.9322 %	101.3812 %	104.0996 %	98.6977 %	101.2743 %
Concentration per Run 2	0.0190 ppm	106.7660 %	102.0241 %	101.0931 %	105.9779 %	98.5981 %	101.5456 %
Concentration per Run 3	0.0198 ppm	107.8357 %	101.9487 %	98.3405 %	107.8331 %	95.7875 %	101.4829 %
Concentration RSD	2.1 %	1.1 %	0.0 %	1.7 %	1.8 %	1.7 %	0.1 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557288-02d25 WG2114988
 Analysis started at: 9/23/2025 20:45:18
 Comments: <Comment>
 Rack: 1
 Vial: 37

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0836 ppm	0.0189 ppm	1.5275 ppm	0.0212 ppm	0.0000 ppm	11.6781 ppm
Concentration per Run 1	0.0004 ppm	0.0843 ppm	0.0176 ppm	1.5272 ppm	0.0212 ppm	0.0000 ppm	11.8113 ppm
Concentration per Run 2	-0.0001 ppm	0.0866 ppm	0.0189 ppm	1.5247 ppm	0.0211 ppm	0.0000 ppm	11.5964 ppm
Concentration per Run 3	-0.0001 ppm	0.0799 ppm	0.0202 ppm	1.5307 ppm	0.0212 ppm	0.0000 ppm	11.6266 ppm
Concentration RSD	335.4 %	4.1 %	7.0 %	0.2 %	0.2 %	64.0 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0037 ppm	0.0308 ppm	0.0202 ppm	0.5603 ppm	58.2479 ppm	0.0367 ppm
Concentration per Run 1	0.0000 ppm	0.0036 ppm	0.0312 ppm	0.0205 ppm	0.5673 ppm	58.6196 ppm	0.0365 ppm
Concentration per Run 2	0.0001 ppm	0.0038 ppm	0.0299 ppm	0.0200 ppm	0.5578 ppm	58.1659 ppm	0.0372 ppm
Concentration per Run 3	0.0000 ppm	0.0037 ppm	0.0314 ppm	0.0201 ppm	0.5558 ppm	57.9581 ppm	0.0364 ppm
Concentration RSD	888.8 %	3.6 %	2.6 %	1.3 %	1.1 %	0.6 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.0229 ppm	0.0698 ppm	0.0009 ppm	256.2800 ppm	0.0261 ppm	0.0023 ppm	0.0010 ppm
Concentration per Run 1	15.9971 ppm	0.0704 ppm	0.0011 ppm	259.6765 ppm	0.0264 ppm	0.0027 ppm	0.0014 ppm
Concentration per Run 2	15.9865 ppm	0.0695 ppm	0.0008 ppm	253.8251 ppm	0.0262 ppm	0.0023 ppm	0.0006 ppm
Concentration per Run 3	16.0851 ppm	0.0694 ppm	0.0007 ppm	255.3385 ppm	0.0257 ppm	0.0018 ppm	0.0010 ppm
Concentration RSD	0.3 %	0.8 %	25.0 %	1.2 %	1.4 %	20.1 %	37.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0028 ppm	5.3704 ppm	0.0071 ppm	0.1500 ppm	0.0117 ppm	-0.0003 ppm	0.0147 ppm
Concentration per Run 1	0.0028 ppm	5.3780 ppm	0.0081 ppm	0.1510 ppm	0.0118 ppm	0.0004 ppm	0.0147 ppm
Concentration per Run 2	0.0026 ppm	5.3496 ppm	0.0065 ppm	0.1495 ppm	0.0116 ppm	-0.0006 ppm	0.0148 ppm
Concentration per Run 3	0.0030 ppm	5.3835 ppm	0.0067 ppm	0.1494 ppm	0.0117 ppm	-0.0007 ppm	0.0147 ppm
Concentration RSD	6.2 %	0.3 %	12.7 %	0.6 %	0.7 %	217.4 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1602 ppm	106.7242 %	97.0001 %	97.6549 %	106.7810 %	89.6745 %	96.8206 %
Concentration per Run 1	0.1604 ppm	106.0603 %	97.0754 %	97.7498 %	105.6728 %	89.5334 %	96.8011 %
Concentration per Run 2	0.1598 ppm	106.8487 %	96.9860 %	97.8967 %	107.3265 %	89.9289 %	96.8118 %
Concentration per Run 3	0.1603 ppm	107.2636 %	96.9389 %	97.3183 %	107.3437 %	89.5613 %	96.8489 %
Concentration RSD	0.2 %	0.6 %	0.1 %	0.3 %	0.9 %	0.2 %	0.0 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2555309-01 WG2115585
 Analysis started at: 9/23/2025 20:49:52
 Comments: <Comment>
 Rack: 1
 Vial: 33

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0031 ppm	-0.0001 ppm	0.0033 ppm	0.0005 ppm	0.0000 ppm	0.2285 ppm
Concentration per Run 1	0.0003 ppm	-0.0003 ppm	0.0017 ppm	0.0028 ppm	0.0005 ppm	0.0000 ppm	0.2288 ppm
Concentration per Run 2	-0.0001 ppm	0.0030 ppm	0.0005 ppm	0.0039 ppm	0.0006 ppm	0.0000 ppm	0.2259 ppm
Concentration per Run 3	0.0006 ppm	0.0065 ppm	-0.0025 ppm	0.0032 ppm	0.0005 ppm	0.0000 ppm	0.2308 ppm
Concentration RSD	114.5 %	112.0 %	1,822.6 %	18.1 %	12.8 %	756.6 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0010 ppm	0.0441 ppm	0.0009 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0005 ppm	0.0004 ppm	0.0026 ppm	0.0349 ppm	0.0010 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0005 ppm	0.0463 ppm	0.0005 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0006 ppm	0.0009 ppm	0.0512 ppm	0.0012 ppm
Concentration RSD	1,557.8 %	174.6 %	110.2 %	28.5 %	159.9 %	19.0 %	44.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0400 ppm	0.0007 ppm	0.0002 ppm	1.0248 ppm	0.0002 ppm	0.0004 ppm	0.0003 ppm
Concentration per Run 1	0.0411 ppm	0.0008 ppm	0.0002 ppm	1.0483 ppm	0.0002 ppm	0.0004 ppm	0.0016 ppm
Concentration per Run 2	0.0390 ppm	0.0007 ppm	0.0002 ppm	1.0073 ppm	0.0005 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run 3	0.0399 ppm	0.0005 ppm	0.0003 ppm	1.0187 ppm	0.0000 ppm	0.0000 ppm	-0.0007 ppm
Concentration RSD	2.7 %	23.1 %	31.8 %	2.1 %	120.2 %	100.1 %	451.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0022 ppm	0.0339 ppm	0.0000 ppm	0.0010 ppm	-0.0002 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run 1	0.0038 ppm	0.0360 ppm	0.0003 ppm	0.0010 ppm	-0.0001 ppm	0.0019 ppm	0.0002 ppm
Concentration per Run 2	0.0027 ppm	0.0331 ppm	-0.0002 ppm	0.0010 ppm	-0.0005 ppm	0.0007 ppm	-0.0003 ppm
Concentration per Run 3	0.0001 ppm	0.0326 ppm	0.0000 ppm	0.0010 ppm	-0.0001 ppm	0.0015 ppm	0.0000 ppm
Concentration RSD	87.8 %	5.4 %	788.2 %	3.4 %	119.1 %	44.1 %	700.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0009 ppm	106.9762 %	105.4295 %	105.4264 %	105.5887 %	104.7462 %	104.2339 %
Concentration per Run 1	0.0008 ppm	105.8747 %	105.7630 %	105.4632 %	103.9520 %	104.6917 %	104.4363 %
Concentration per Run 2	0.0009 ppm	107.6477 %	105.5093 %	105.4479 %	106.2696 %	104.6268 %	104.3010 %
Concentration per Run 3	0.0009 ppm	107.4063 %	105.0161 %	105.3681 %	106.5445 %	104.9201 %	103.9644 %
Concentration RSD	11.7 %	0.9 %	0.4 %	0.0 %	1.3 %	0.1 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2555311-02 WG2115585
 Analysis started at: 9/23/2025 20:54:24
 Comments: <Comment>
 Rack: 1
 Vial: 34

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0020 ppm	0.0011 ppm	0.0041 ppm	0.0002 ppm	0.0000 ppm	0.0233 ppm
Concentration per Run 1	0.0007 ppm	-0.0025 ppm	0.0014 ppm	0.0044 ppm	0.0002 ppm	0.0000 ppm	0.0250 ppm
Concentration per Run 2	0.0002 ppm	0.0083 ppm	0.0005 ppm	0.0043 ppm	0.0001 ppm	0.0000 ppm	0.0170 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0014 ppm	0.0037 ppm	0.0002 ppm	0.0000 ppm	0.0279 ppm
Concentration RSD	104.8 %	278.3 %	49.0 %	8.8 %	50.9 %	338.0 %	24.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0014 ppm	0.0397 ppm	-0.0005 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0004 ppm	-0.0006 ppm	0.0347 ppm	-0.0021 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0020 ppm	0.0544 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0028 ppm	0.0299 ppm	-0.0005 ppm
Concentration RSD	47.8 %	153.1 %	317.6 %	31.5 %	123.8 %	32.8 %	283.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0042 ppm	0.0007 ppm	0.0000 ppm	0.0381 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 1	0.0072 ppm	0.0006 ppm	0.0002 ppm	0.0400 ppm	0.0001 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 2	0.0040 ppm	0.0005 ppm	-0.0001 ppm	0.0316 ppm	0.0005 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 3	0.0015 ppm	0.0010 ppm	0.0000 ppm	0.0428 ppm	0.0003 ppm	0.0007 ppm	-0.0013 ppm
Concentration RSD	66.7 %	41.7 %	334.2 %	15.3 %	76.4 %	192.1 %	4,036.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	0.0128 ppm	-0.0006 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run 1	0.0016 ppm	0.0132 ppm	-0.0010 ppm	0.0001 ppm	-0.0002 ppm	-0.0006 ppm	-0.0004 ppm
Concentration per Run 2	0.0028 ppm	0.0134 ppm	-0.0010 ppm	0.0002 ppm	-0.0001 ppm	-0.0003 ppm	-0.0002 ppm
Concentration per Run 3	-0.0010 ppm	0.0118 ppm	0.0002 ppm	0.0001 ppm	-0.0003 ppm	0.0010 ppm	-0.0002 ppm
Concentration RSD	170.1 %	6.6 %	118.3 %	56.0 %	38.9 %	2,309.1 %	53.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0162 ppm	104.1393 %	103.2935 %	103.7375 %	102.9414 %	103.7924 %	102.4133 %
Concentration per Run 1	0.0163 ppm	103.0684 %	103.3372 %	103.0796 %	100.8386 %	103.1465 %	102.4191 %
Concentration per Run 2	0.0163 ppm	104.3648 %	103.3453 %	104.1001 %	103.5660 %	103.9151 %	102.4580 %
Concentration per Run 3	0.0159 ppm	104.9847 %	103.1980 %	104.0328 %	104.4196 %	104.3157 %	102.3628 %
Concentration RSD	1.6 %	0.9 %	0.1 %	0.6 %	1.8 %	0.6 %	0.0 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557699-01 WG2114988
 Analysis started at: 9/23/2025 20:58:56
 Comments: <Comment>
 Rack: 1
 Vial: 29

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.1336 ppm	0.0010 ppm	0.0051 ppm	0.0043 ppm	0.0000 ppm	1.8461 ppm
Concentration per Run 1	0.0002 ppm	0.1344 ppm	-0.0009 ppm	0.0046 ppm	0.0045 ppm	0.0000 ppm	1.8946 ppm
Concentration per Run 2	0.0002 ppm	0.1314 ppm	0.0021 ppm	0.0054 ppm	0.0042 ppm	0.0001 ppm	1.8290 ppm
Concentration per Run 3	-0.0001 ppm	0.1349 ppm	0.0018 ppm	0.0051 ppm	0.0040 ppm	0.0000 ppm	1.8146 ppm
Concentration RSD	149.5 %	1.4 %	164.2 %	8.4 %	5.7 %	43.5 %	2.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0006 ppm	0.0006 ppm	0.0116 ppm	0.2372 ppm	0.2915 ppm	0.0010 ppm
Concentration per Run 1	0.0000 ppm	0.0006 ppm	0.0007 ppm	0.0119 ppm	0.2393 ppm	0.2830 ppm	0.0017 ppm
Concentration per Run 2	0.0001 ppm	0.0006 ppm	0.0004 ppm	0.0115 ppm	0.2371 ppm	0.2876 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0006 ppm	0.0007 ppm	0.0114 ppm	0.2353 ppm	0.3040 ppm	0.0011 ppm
Concentration RSD	87.2 %	2.8 %	26.2 %	2.1 %	0.8 %	3.8 %	78.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1655 ppm	0.0052 ppm	0.0002 ppm	0.6896 ppm	0.0006 ppm	0.0018 ppm	-0.0003 ppm
Concentration per Run 1	0.1664 ppm	0.0052 ppm	0.0003 ppm	0.7126 ppm	0.0004 ppm	0.0023 ppm	0.0003 ppm
Concentration per Run 2	0.1696 ppm	0.0052 ppm	0.0001 ppm	0.6827 ppm	0.0004 ppm	0.0014 ppm	-0.0005 ppm
Concentration per Run 3	0.1605 ppm	0.0051 ppm	0.0003 ppm	0.6734 ppm	0.0010 ppm	0.0016 ppm	-0.0007 ppm
Concentration RSD	2.8 %	1.3 %	39.8 %	3.0 %	57.0 %	27.6 %	184.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	0.4114 ppm	-0.0008 ppm	0.0088 ppm	0.0035 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 1	0.0003 ppm	0.4111 ppm	-0.0008 ppm	0.0089 ppm	0.0035 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0016 ppm	0.4128 ppm	-0.0001 ppm	0.0088 ppm	0.0034 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 3	0.0003 ppm	0.4102 ppm	-0.0014 ppm	0.0088 ppm	0.0036 ppm	0.0007 ppm	0.0001 ppm
Concentration RSD	94.9 %	0.3 %	81.4 %	0.6 %	2.0 %	0.5 %	43.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0777 ppm	105.1930 %	104.3468 %	103.0689 %	103.5813 %	102.2142 %	102.0164 %
Concentration per Run 1	0.0779 ppm	104.0036 %	102.5118 %	103.2234 %	101.4192 %	102.1759 %	101.6905 %
Concentration per Run 2	0.0778 ppm	105.3153 %	102.9456 %	103.1036 %	103.9887 %	102.2045 %	102.3422 %
Concentration per Run 3	0.0774 ppm	106.2601 %	107.5831 %	102.8796 %	105.3360 %	102.2622 %	N/A
Concentration RSD	0.3 %	1.1 %	2.7 %	0.2 %	1.9 %	0.0 %	0.5 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557699-02 WG2114988
 Analysis started at: 9/23/2025 21:04:04
 Comments: <Comment>
 Rack: 1
 Vial: 30

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0365 ppm	-0.0007 ppm	0.0041 ppm	0.0021 ppm	0.0000 ppm	0.5405 ppm
Concentration per Run 1	0.0000 ppm	0.0372 ppm	-0.0013 ppm	0.0040 ppm	0.0022 ppm	0.0000 ppm	0.5546 ppm
Concentration per Run 2	0.0003 ppm	0.0360 ppm	-0.0003 ppm	0.0041 ppm	0.0020 ppm	0.0000 ppm	0.5322 ppm
Concentration per Run 3	0.0002 ppm	0.0362 ppm	-0.0006 ppm	0.0042 ppm	0.0021 ppm	0.0000 ppm	0.5349 ppm
Concentration RSD	102.7 %	1.8 %	67.2 %	2.8 %	3.0 %	27.2 %	2.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0040 ppm	0.0299 ppm	0.0810 ppm	0.0001 ppm
Concentration per Run 1	0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0040 ppm	0.0296 ppm	0.0929 ppm	0.0001 ppm
Concentration per Run 2	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0038 ppm	0.0303 ppm	0.0655 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0041 ppm	0.0298 ppm	0.0846 ppm	-0.0002 ppm
Concentration RSD	25.4 %	18.8 %	212.1 %	3.6 %	1.4 %	17.4 %	315.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1061 ppm	0.0023 ppm	0.0001 ppm	0.2976 ppm	0.0004 ppm	0.0008 ppm	0.0011 ppm
Concentration per Run 1	0.1071 ppm	0.0023 ppm	0.0001 ppm	0.3015 ppm	0.0004 ppm	0.0003 ppm	0.0010 ppm
Concentration per Run 2	0.1044 ppm	0.0021 ppm	0.0002 ppm	0.2917 ppm	0.0006 ppm	0.0014 ppm	0.0013 ppm
Concentration per Run 3	0.1066 ppm	0.0024 ppm	0.0000 ppm	0.2998 ppm	0.0003 ppm	0.0008 ppm	0.0011 ppm
Concentration RSD	1.3 %	5.7 %	98.2 %	1.8 %	31.4 %	63.1 %	12.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0037 ppm	0.1667 ppm	-0.0008 ppm	0.0023 ppm	0.0003 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 1	0.0032 ppm	0.1663 ppm	-0.0013 ppm	0.0024 ppm	0.0006 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 2	0.0024 ppm	0.1680 ppm	-0.0002 ppm	0.0023 ppm	0.0003 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run 3	0.0055 ppm	0.1658 ppm	-0.0009 ppm	0.0021 ppm	0.0001 ppm	0.0018 ppm	0.0000 ppm
Concentration RSD	43.6 %	0.7 %	72.0 %	6.3 %	85.2 %	138.1 %	118.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0609 ppm	106.8062 %	105.1537 %	105.3167 %	105.9680 %	104.7305 %	104.5436 %
Concentration per Run 1	0.0612 ppm	106.4641 %	105.1840 %	105.4841 %	104.7753 %	104.7838 %	104.3588 %
Concentration per Run 2	0.0605 ppm	107.0981 %	104.9603 %	105.4047 %	106.5596 %	104.7844 %	104.3847 %
Concentration per Run 3	0.0610 ppm	106.8565 %	105.3169 %	105.0612 %	106.5691 %	104.6231 %	104.8874 %
Concentration RSD	0.6 %	0.3 %	0.2 %	0.2 %	1.0 %	0.1 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCV
 Analysis started at: 9/23/2025 21:12:10
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4855 ppm	0.5038 ppm	0.4631 ppm	0.4716 ppm	0.4893 ppm	0.4955 ppm	0.5027 ppm
Concentration per Run 1	0.4858 ppm	0.5182 ppm	0.4652 ppm	0.4720 ppm	0.4972 ppm	0.5032 ppm	0.5196 ppm
Concentration per Run 2	0.4864 ppm	0.4935 ppm	0.4647 ppm	0.4727 ppm	0.4854 ppm	0.4921 ppm	0.4943 ppm
Concentration per Run 3	0.4843 ppm	0.4997 ppm	0.4592 ppm	0.4701 ppm	0.4852 ppm	0.4912 ppm	0.4943 ppm
Recovery Percentage 1	97.103 %	100.759 %	92.612 %	94.318 %	97.852 %	99.103 %	100.548 %
Concentration RSD	0.2 %	2.6 %	0.7 %	0.3 %	1.4 %	1.4 %	2.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4760 ppm	0.4924 ppm	0.4941 ppm	0.4974 ppm	0.4976 ppm	5.1002 ppm	0.5064 ppm
Concentration per Run 1	0.4779 ppm	0.4929 ppm	0.4935 ppm	0.4993 ppm	0.5072 ppm	5.1871 ppm	0.5148 ppm
Concentration per Run 2	0.4768 ppm	0.4936 ppm	0.4957 ppm	0.4975 ppm	0.4946 ppm	5.0494 ppm	0.5017 ppm
Concentration per Run 3	0.4731 ppm	0.4906 ppm	0.4932 ppm	0.4954 ppm	0.4909 ppm	5.0641 ppm	0.5027 ppm
Recovery Percentage 1	95.190 %	98.479 %	98.825 %	99.481 %	99.516 %	102.004 %	101.278 %
Concentration RSD	0.5 %	0.3 %	0.3 %	0.4 %	1.7 %	1.5 %	1.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4977 ppm	0.4992 ppm	0.4706 ppm	9.9697 ppm	0.4882 ppm	0.4840 ppm	0.4921 ppm
Concentration per Run 1	0.4970 ppm	0.5075 ppm	0.4713 ppm	10.1246 ppm	0.4891 ppm	0.4839 ppm	0.4939 ppm
Concentration per Run 2	0.4993 ppm	0.4960 ppm	0.4713 ppm	9.9143 ppm	0.4899 ppm	0.4848 ppm	0.4934 ppm
Concentration per Run 3	0.4967 ppm	0.4942 ppm	0.4691 ppm	9.8702 ppm	0.4855 ppm	0.4832 ppm	0.4891 ppm
Recovery Percentage 1	99.530 %	99.850 %	94.119 %	99.697 %	97.632 %	96.793 %	98.424 %
Concentration RSD	0.3 %	1.4 %	0.3 %	1.4 %	0.5 %	0.2 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4715 ppm	5.2437 ppm	0.4793 ppm	0.4955 ppm	0.4872 ppm	0.4861 ppm	0.4962 ppm
Concentration per Run 1	0.4728 ppm	5.2539 ppm	0.4797 ppm	0.5038 ppm	0.4873 ppm	0.4866 ppm	0.4955 ppm
Concentration per Run 2	0.4741 ppm	5.2538 ppm	0.4820 ppm	0.4914 ppm	0.4884 ppm	0.4881 ppm	0.4968 ppm
Concentration per Run 3	0.4677 ppm	5.2233 ppm	0.4763 ppm	0.4914 ppm	0.4860 ppm	0.4836 ppm	0.4962 ppm
Recovery Percentage 1	94.304 %	99.880 %	95.868 %	99.102 %	97.447 %	97.218 %	99.231 %
Concentration RSD	0.7 %	0.3 %	0.6 %	1.4 %	0.3 %	0.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4786 ppm	104.7956 %	102.4430 %	104.0931 %	105.4404 %	101.6592 %	103.1914 %
Concentration per Run 1	0.4810 ppm	103.6264 %	102.9547 %	104.1097 %	103.4778 %	101.6743 %	103.7164 %
Concentration per Run 2	0.4799 ppm	105.6854 %	102.0290 %	103.8577 %	106.4114 %	101.4670 %	102.6546 %
Concentration per Run 3	0.4751 ppm	105.0750 %	102.3454 %	104.3121 %	106.4321 %	101.8363 %	103.2033 %
Recovery Percentage 1	95.728 %						
Concentration RSD	0.7 %	1.0 %	0.5 %	0.2 %	1.6 %	0.2 %	0.5 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCB
Analysis started at: 9/23/2025 21:16:25
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0020 ppm	0.0016 ppm	0.0020 ppm	0.0001 ppm	0.0001 ppm	0.0070 ppm
Concentration per Run 1	0.0005 ppm	-0.0069 ppm	0.0016 ppm	0.0020 ppm	0.0001 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run 2	0.0001 ppm	0.0071 ppm	-0.0004 ppm	0.0022 ppm	0.0002 ppm	0.0001 ppm	0.0123 ppm
Concentration per Run 3	0.0002 ppm	0.0057 ppm	0.0035 ppm	0.0019 ppm	0.0000 ppm	0.0001 ppm	0.0069 ppm
Recovery Percentage 1	5.559 %	1.958 %	31.575 %	6.794 %	0.937 %	1.206 %	7.009 %
Concentration RSD	86.2 %	392.9 %	122.4 %	8.8 %	120.9 %	17.1 %	74.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0009 ppm	0.0154 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0026 ppm	0.0019 ppm	0.0002 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	-0.0005 ppm	0.0000 ppm	0.0006 ppm	0.0218 ppm	0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0007 ppm	-0.0005 ppm	0.0225 ppm	0.0007 ppm
Recovery Percentage 1	0.505 %	-0.817 %	-2.150 %	3.966 %	1.795 %	0.616 %	4.906 %
Concentration RSD	150.9 %	41.1 %	137.9 %	88.1 %	174.5 %	75.8 %	57.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0022 ppm	-0.0002 ppm	0.0004 ppm	0.0279 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	0.0038 ppm	-0.0004 ppm	0.0005 ppm	0.0238 ppm	0.0005 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0005 ppm	0.0339 ppm	0.0000 ppm	0.0006 ppm	0.0011 ppm
Concentration per Run 3	0.0028 ppm	0.0001 ppm	0.0003 ppm	0.0259 ppm	0.0002 ppm	-0.0003 ppm	-0.0013 ppm
Recovery Percentage 1	2.193 %	-2.006 %	0.854 %	1.393 %	0.944 %	0.198 %	-0.081 %
Concentration RSD	88.1 %	137.3 %	26.0 %	19.0 %	101.5 %	2,765.4 %	2,953.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	0.0013 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run 1	0.0002 ppm	0.0021 ppm	-0.0005 ppm	0.0001 ppm	-0.0001 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 2	0.0009 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run 3	0.0015 ppm	0.0014 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0020 ppm	0.0003 ppm
Recovery Percentage 1	8.561 %	0.260 %	-0.460 %	1.068 %	0.760 %	5.453 %	0.374 %
Concentration RSD	76.5 %	68.7 %	117.8 %	27.0 %	212.9 %	72.7 %	737.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0002 ppm	104.1542 %	103.0079 %	103.3985 %	103.1064 %	102.4288 %	102.1962 %
Concentration per Run 1	-0.0002 ppm	103.7798 %	102.7885 %	103.4464 %	102.2688 %	102.3895 %	101.9540 %
Concentration per Run 2	-0.0002 ppm	105.0284 %	103.1935 %	103.2534 %	103.9550 %	102.3612 %	102.3611 %
Concentration per Run 3	-0.0001 ppm	103.6543 %	103.0416 %	103.4959 %	103.0954 %	102.5358 %	102.2734 %
Recovery Percentage 1	-3.714 %						
Concentration RSD	35.3 %	0.7 %	0.2 %	0.1 %	0.8 %	0.1 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557691-26d2 WG2117286
 Analysis started at: 9/23/2025 22:19:31
 Comments: <Comment>
 Rack: 1
 Vial: 38

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	1.5279 ppm	0.0077 ppm	0.0018 ppm	0.0149 ppm	0.0000 ppm	0.3818 ppm
Concentration per Run 1	0.0003 ppm	1.5303 ppm	0.0079 ppm	0.0022 ppm	0.0151 ppm	0.0000 ppm	0.3823 ppm
Concentration per Run 2	0.0001 ppm	1.5277 ppm	0.0081 ppm	0.0016 ppm	0.0150 ppm	0.0000 ppm	0.3819 ppm
Concentration per Run 3	0.0002 ppm	1.5257 ppm	0.0072 ppm	0.0017 ppm	0.0146 ppm	0.0000 ppm	0.3811 ppm
Concentration RSD	39.7 %	0.2 %	5.8 %	17.4 %	1.8 %	193.3 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0000 ppm	0.0202 ppm	0.0949 ppm	8.1226 ppm	0.2408 ppm	0.0011 ppm
Concentration per Run 1	0.0002 ppm	0.0000 ppm	0.0203 ppm	0.0948 ppm	8.1735 ppm	0.2375 ppm	0.0017 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0197 ppm	0.0950 ppm	8.0761 ppm	0.2398 ppm	0.0007 ppm
Concentration per Run 3	0.0001 ppm	0.0001 ppm	0.0205 ppm	0.0949 ppm	8.1181 ppm	0.2450 ppm	0.0009 ppm
Concentration RSD	18.6 %	262.6 %	2.0 %	0.1 %	0.6 %	1.6 %	49.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1132 ppm	0.0137 ppm	0.0030 ppm	0.0455 ppm	0.0001 ppm	0.0702 ppm	0.0006 ppm
Concentration per Run 1	0.1112 ppm	0.0141 ppm	0.0031 ppm	0.0443 ppm	0.0000 ppm	0.0719 ppm	0.0007 ppm
Concentration per Run 2	0.1136 ppm	0.0138 ppm	0.0030 ppm	0.0501 ppm	0.0001 ppm	0.0706 ppm	0.0006 ppm
Concentration per Run 3	0.1150 ppm	0.0134 ppm	0.0028 ppm	0.0421 ppm	0.0003 ppm	0.0682 ppm	0.0006 ppm
Concentration RSD	1.7 %	2.7 %	5.4 %	9.2 %	128.8 %	2.7 %	9.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	0.5127 ppm	0.0072 ppm	0.0025 ppm	0.2309 ppm	0.0004 ppm	0.0239 ppm
Concentration per Run 1	-0.0003 ppm	0.5133 ppm	0.0079 ppm	0.0025 ppm	0.2307 ppm	0.0005 ppm	0.0238 ppm
Concentration per Run 2	0.0019 ppm	0.5139 ppm	0.0065 ppm	0.0025 ppm	0.2318 ppm	0.0009 ppm	0.0240 ppm
Concentration per Run 3	0.0041 ppm	0.5110 ppm	0.0073 ppm	0.0025 ppm	0.2302 ppm	-0.0003 ppm	0.0240 ppm
Concentration RSD	114.2 %	0.3 %	9.4 %	1.4 %	0.3 %	159.9 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0100 ppm	104.1849 %	103.1942 %	104.2225 %	106.6112 %	101.6932 %	104.2695 %
Concentration per Run 1	0.0101 ppm	103.9318 %	103.1582 %	104.3687 %	106.5806 %	101.5845 %	104.4082 %
Concentration per Run 2	0.0099 ppm	104.4157 %	102.9380 %	104.2113 %	106.7611 %	101.8778 %	104.0090 %
Concentration per Run 3	0.0099 ppm	104.2072 %	103.4866 %	104.0876 %	106.4918 %	101.6173 %	104.3912 %
Concentration RSD	1.2 %	0.2 %	0.3 %	0.1 %	0.1 %	0.2 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557720-01d2 WG2117286
 Analysis started at: 9/23/2025 22:23:58
 Comments: <Comment>
 Rack: 1
 Vial: 39

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0014 ppm	1.6114 ppm	0.0054 ppm	0.0189 ppm	0.0780 ppm	0.0001 ppm	38.5258 ppm
Concentration per Run 1	0.0015 ppm	1.6258 ppm	0.0030 ppm	0.0192 ppm	0.0789 ppm	0.0000 ppm	39.0809 ppm
Concentration per Run 2	0.0012 ppm	1.5996 ppm	0.0061 ppm	0.0188 ppm	0.0774 ppm	0.0001 ppm	38.3162 ppm
Concentration per Run 3	0.0015 ppm	1.6089 ppm	0.0069 ppm	0.0187 ppm	0.0779 ppm	0.0000 ppm	38.1802 ppm
Concentration RSD	13.5 %	0.8 %	38.6 %	1.5 %	1.0 %	52.8 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0006 ppm	0.0014 ppm	0.0152 ppm	0.2084 ppm	5.9760 ppm	7.1734 ppm	0.0006 ppm
Concentration per Run 1	0.0006 ppm	0.0015 ppm	0.0152 ppm	0.2085 ppm	6.0559 ppm	7.2768 ppm	0.0018 ppm
Concentration per Run 2	0.0006 ppm	0.0015 ppm	0.0149 ppm	0.2084 ppm	5.9464 ppm	7.1324 ppm	-0.0004 ppm
Concentration per Run 3	0.0006 ppm	0.0012 ppm	0.0154 ppm	0.2083 ppm	5.9256 ppm	7.1110 ppm	0.0004 ppm
Concentration RSD	4.1 %	11.6 %	1.6 %	0.1 %	1.2 %	1.3 %	179.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.7929 ppm	0.1595 ppm	0.0117 ppm	1.4524 ppm	0.0120 ppm	0.0085 ppm	0.0010 ppm
Concentration per Run 1	6.8037 ppm	0.1617 ppm	0.0118 ppm	1.4655 ppm	0.0120 ppm	0.0092 ppm	0.0016 ppm
Concentration per Run 2	6.7849 ppm	0.1587 ppm	0.0116 ppm	1.4517 ppm	0.0117 ppm	0.0091 ppm	0.0008 ppm
Concentration per Run 3	6.7901 ppm	0.1580 ppm	0.0118 ppm	1.4401 ppm	0.0123 ppm	0.0072 ppm	0.0006 ppm
Concentration RSD	0.1 %	1.2 %	0.7 %	0.9 %	2.6 %	13.2 %	50.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0049 ppm	1.0034 ppm	0.0245 ppm	0.1499 ppm	0.0195 ppm	-0.0034 ppm	0.0037 ppm
Concentration per Run 1	0.0063 ppm	1.0190 ppm	0.0243 ppm	0.1517 ppm	0.0196 ppm	-0.0022 ppm	0.0037 ppm
Concentration per Run 2	0.0042 ppm	0.9953 ppm	0.0248 ppm	0.1493 ppm	0.0198 ppm	-0.0047 ppm	0.0035 ppm
Concentration per Run 3	0.0043 ppm	0.9960 ppm	0.0245 ppm	0.1487 ppm	0.0192 ppm	-0.0034 ppm	0.0038 ppm
Concentration RSD	24.0 %	1.3 %	1.1 %	1.0 %	1.5 %	36.7 %	5.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6347 ppm	107.0860 %	101.7013 %	98.5787 %	104.6876 %	91.2695 %	99.4894 %
Concentration per Run 1	0.6436 ppm	106.1168 %	101.4910 %	97.4340 %	103.0359 %	90.2805 %	99.2167 %
Concentration per Run 2	0.6317 ppm	107.4253 %	101.7141 %	99.1125 %	105.3433 %	91.7431 %	99.4998 %
Concentration per Run 3	0.6289 ppm	107.7159 %	101.8986 %	99.1897 %	105.6837 %	91.7848 %	99.7518 %
Concentration RSD	1.2 %	0.8 %	0.2 %	1.0 %	1.4 %	0.9 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558229-01d2 WG2117286
 Analysis started at: 9/23/2025 22:28:24
 Comments: <Comment>
 Rack: 1
 Vial: 40

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0021 ppm	124.5462 ppm	0.0243 ppm	0.0900 ppm	1.2517 ppm	0.0109 ppm	18.6880 ppm
Concentration per Run 1	-0.0023 ppm	125.1903 ppm	0.0226 ppm	0.0904 ppm	1.2566 ppm	0.0109 ppm	18.8099 ppm
Concentration per Run 2	-0.0019 ppm	124.0679 ppm	0.0261 ppm	0.0902 ppm	1.2465 ppm	0.0109 ppm	18.6481 ppm
Concentration per Run 3	-0.0022 ppm	124.3805 ppm	0.0242 ppm	0.0895 ppm	1.2519 ppm	0.0108 ppm	18.6060 ppm
Concentration RSD	10.4 %	0.5 %	7.2 %	0.5 %	0.4 %	0.5 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0010 ppm	0.1855 ppm	0.1964 ppm	0.0698 ppm	267.2232 [SIC 500]	18.1665 ppm	0.4969 ppm
Concentration per Run 1	-0.0009 ppm	0.1857 ppm	0.1961 ppm	0.0699 ppm	269.8283 ppm	18.2765 ppm	0.4988 ppm
Concentration per Run 2	-0.0011 ppm	0.1854 ppm	0.1964 ppm	0.0699 ppm	268.1161 ppm	18.1129 ppm	0.4956 ppm
Concentration per Run 3	-0.0009 ppm	0.1854 ppm	0.1966 ppm	0.0698 ppm	263.7254 ppm	18.1100 ppm	0.4965 ppm
Concentration RSD	11.0 %	0.1 %	0.1 %	0.1 %	1.2 %	0.5 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	77.1548 ppm	11.2165 ppm	0.0008 ppm	1.1275 ppm	0.3870 ppm	0.1411 ppm	-0.0002 ppm
Concentration per Run 1	77.0595 ppm	11.2703 ppm	0.0008 ppm	1.1374 ppm	0.3871 ppm	0.1419 ppm	0.0007 ppm
Concentration per Run 2	77.1233 ppm	11.1893 ppm	0.0006 ppm	1.1183 ppm	0.3863 ppm	0.1405 ppm	-0.0001 ppm
Concentration per Run 3	77.2816 ppm	11.1899 ppm	0.0009 ppm	1.1268 ppm	0.3877 ppm	0.1408 ppm	-0.0011 ppm
Concentration RSD	0.1 %	0.4 %	16.4 %	0.8 %	0.2 %	0.5 %	549.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0015 ppm	1.8303 ppm	0.0092 ppm	0.1111 ppm	2.7615 ppm	-0.0089 ppm	0.1661 ppm
Concentration per Run 1	-0.0008 ppm	1.8301 ppm	0.0096 ppm	0.1116 ppm	2.7585 ppm	-0.0090 ppm	0.1661 ppm
Concentration per Run 2	-0.0038 ppm	1.8291 ppm	0.0080 ppm	0.1106 ppm	2.7636 ppm	-0.0073 ppm	0.1659 ppm
Concentration per Run 3	0.0000 ppm	1.8316 ppm	0.0102 ppm	0.1110 ppm	2.7625 ppm	-0.0102 ppm	0.1664 ppm
Concentration RSD	133.7 %	0.1 %	12.0 %	0.5 %	0.1 %	16.5 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.7908 ppm	140.8762 %	131.3016 %	131.1279 %	115.1559 %	96.2548 %	106.7272 %
Concentration per Run 1	0.7916 ppm	140.5006 %	131.2177 %	131.1384 %	114.4015 %	96.2796 %	106.6202 %
Concentration per Run 2	0.7910 ppm	140.2789 %	131.3545 %	131.2053 %	115.1754 %	96.4290 %	106.8317 %
Concentration per Run 3	0.7898 ppm	141.8491 %	131.3328 %	131.0400 %	115.8907 %	96.0557 %	106.7296 %
Concentration RSD	0.1 %	0.6 %	0.1 %	0.1 %	0.6 %	0.2 %	0.1 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: eL2558229-02d2 WG2117286
 Analysis started at: 9/23/2025 22:32:49
 Comments: <Comment>
 Rack: 1
 Vial: 41

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0027 ppm	224.8145 ppm	0.0879 ppm	0.0346 ppm	3.6004 ppm	0.0139 ppm	28.7900 ppm
Concentration per Run 1	-0.0029 ppm	225.6971 ppm	0.0881 ppm	0.0351 ppm	3.6065 ppm	0.0140 ppm	28.8911 ppm
Concentration per Run 2	-0.0025 ppm	224.5801 ppm	0.0888 ppm	0.0340 ppm	3.6122 ppm	0.0139 ppm	28.7638 ppm
Concentration per Run 3	-0.0027 ppm	224.1662 ppm	0.0869 ppm	0.0348 ppm	3.5825 ppm	0.0139 ppm	28.7152 ppm
Concentration RSD	7.0 %	0.4 %	1.0 %	1.6 %	0.4 %	0.4 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0005 ppm	0.2114 ppm	0.2631 ppm	3.7628 ppm	368.3554 [SIC 500]	9.6971 ppm	0.7374 ppm
Concentration per Run 1	0.0007 ppm	0.2118 ppm	0.2630 ppm	3.7650 ppm	369.2901 ppm	9.7517 ppm	0.7392 ppm
Concentration per Run 2	0.0005 ppm	0.2119 ppm	0.2632 ppm	3.7634 ppm	366.0329 ppm	9.7186 ppm	0.7380 ppm
Concentration per Run 3	0.0003 ppm	0.2107 ppm	0.2631 ppm	3.7600 ppm	369.7431 ppm	9.6210 ppm	0.7352 ppm
Concentration RSD	40.5 %	0.3 %	0.1 %	0.1 %	0.5 %	0.7 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	99.7093 ppm	34.9791 [SIC 40]	0.0055 ppm	0.8238 ppm	0.3713 ppm	0.1752 ppm	-0.0010 ppm
Concentration per Run 1	99.8097 ppm	35.1894 ppm	0.0057 ppm	0.8227 ppm	0.3717 ppm	0.1749 ppm	-0.0025 ppm
Concentration per Run 2	99.5423 ppm	35.0555 ppm	0.0053 ppm	0.8256 ppm	0.3723 ppm	0.1765 ppm	-0.0021 ppm
Concentration per Run 3	99.7760 ppm	34.6924 ppm	0.0056 ppm	0.8231 ppm	0.3700 ppm	0.1742 ppm	0.0016 ppm
Concentration RSD	0.1 %	0.7 %	3.8 %	0.2 %	0.3 %	0.7 %	227.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0111 ppm	2.3757 ppm	0.0132 ppm	0.1379 ppm	0.8420 ppm	-0.0251 ppm	0.3036 ppm
Concentration per Run 1	-0.0147 ppm	2.3765 ppm	0.0132 ppm	0.1383 ppm	0.8414 ppm	-0.0255 ppm	0.3037 ppm
Concentration per Run 2	-0.0104 ppm	2.3788 ppm	0.0124 ppm	0.1378 ppm	0.8415 ppm	-0.0274 ppm	0.3035 ppm
Concentration per Run 3	-0.0080 ppm	2.3718 ppm	0.0140 ppm	0.1376 ppm	0.8431 ppm	-0.0226 ppm	0.3037 ppm
Concentration RSD	31.0 %	0.2 %	5.7 %	0.3 %	0.1 %	9.7 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0346 ppm	154.2814 %	142.7693 %	140.8678 %	115.0132 %	94.3342 %	106.0252 %
Concentration per Run 1	1.0378 ppm	154.2384 %	143.2770 %	141.1961 %	114.4611 %	94.4139 %	106.3154 %
Concentration per Run 2	1.0358 ppm	154.6060 %	142.6974 %	140.8514 %	115.4189 %	94.1346 %	105.9999 %
Concentration per Run 3	1.0302 ppm	153.9998 %	142.3336 %	140.5560 %	115.1596 %	94.4540 %	105.7601 %
Concentration RSD	0.4 %	0.2 %	0.3 %	0.2 %	0.4 %	0.2 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558229-03d2 WG2117286
 Analysis started at: 9/23/2025 22:37:35
 Comments: <Comment>
 Rack: 1
 Vial: 42

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0015 ppm	116.5947 ppm	0.0251 ppm	0.0778 ppm	2.1932 ppm	0.0089 ppm	24.7749 ppm
Concentration per Run 1	-0.0013 ppm	117.2369 ppm	0.0247 ppm	0.0780 ppm	2.2039 ppm	0.0089 ppm	24.9592 ppm
Concentration per Run 2	-0.0017 ppm	116.2011 ppm	0.0273 ppm	0.0776 ppm	2.1887 ppm	0.0089 ppm	24.6484 ppm
Concentration per Run 3	-0.0015 ppm	116.3462 ppm	0.0232 ppm	0.0777 ppm	2.1869 ppm	0.0090 ppm	24.7171 ppm
Concentration RSD	12.7 %	0.5 %	8.1 %	0.3 %	0.4 %	0.5 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0008 ppm	0.1575 ppm	0.1984 ppm	0.3211 ppm	248.2859 ppm	9.2044 ppm	0.4997 ppm
Concentration per Run 1	0.0008 ppm	0.1577 ppm	0.1982 ppm	0.3211 ppm	251.7960 ppm	9.2794 ppm	0.5028 ppm
Concentration per Run 2	0.0009 ppm	0.1577 ppm	0.1987 ppm	0.3215 ppm	243.8338 ppm	9.1926 ppm	0.4994 ppm
Concentration per Run 3	0.0007 ppm	0.1571 ppm	0.1984 ppm	0.3206 ppm	249.2280 ppm	9.1414 ppm	0.4969 ppm
Concentration RSD	12.5 %	0.2 %	0.1 %	0.1 %	1.6 %	0.8 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	65.7245 ppm	11.1969 ppm	0.0038 ppm	1.0626 ppm	0.3502 ppm	0.1451 ppm	0.0010 ppm
Concentration per Run 1	65.8356 ppm	11.2712 ppm	0.0040 ppm	1.0631 ppm	0.3507 ppm	0.1449 ppm	0.0004 ppm
Concentration per Run 2	65.5229 ppm	11.1553 ppm	0.0038 ppm	1.0620 ppm	0.3511 ppm	0.1458 ppm	0.0003 ppm
Concentration per Run 3	65.8150 ppm	11.1641 ppm	0.0035 ppm	1.0626 ppm	0.3487 ppm	0.1445 ppm	0.0022 ppm
Concentration RSD	0.3 %	0.6 %	6.9 %	0.1 %	0.4 %	0.5 %	114.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0006 ppm	1.7721 ppm	0.0081 ppm	0.0852 ppm	1.9009 ppm	-0.0067 ppm	0.2176 ppm
Concentration per Run 1	0.0012 ppm	1.7746 ppm	0.0078 ppm	0.0859 ppm	1.9011 ppm	-0.0062 ppm	0.2173 ppm
Concentration per Run 2	-0.0006 ppm	1.7735 ppm	0.0082 ppm	0.0850 ppm	1.9018 ppm	-0.0075 ppm	0.2178 ppm
Concentration per Run 3	-0.0025 ppm	1.7681 ppm	0.0081 ppm	0.0848 ppm	1.8998 ppm	-0.0065 ppm	0.2178 ppm
Concentration RSD	287.3 %	0.2 %	2.4 %	0.7 %	0.1 %	10.0 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.7372 ppm	131.2173 %	123.4610 %	123.3371 %	110.3470 %	94.8225 %	103.7553 %
Concentration per Run 1	0.7382 ppm	130.6166 %	123.1966 %	123.5037 %	109.4558 %	94.7920 %	103.4836 %
Concentration per Run 2	0.7393 ppm	132.1845 %	123.6647 %	123.2821 %	111.4422 %	94.6829 %	103.9020 %
Concentration per Run 3	0.7341 ppm	130.8508 %	123.5216 %	123.2256 %	110.1428 %	94.9926 %	103.8804 %
Concentration RSD	0.4 %	0.6 %	0.2 %	0.1 %	0.9 %	0.2 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558229-05d2 WG2117286
 Analysis started at: 9/23/2025 22:42:02
 Comments: <Comment>
 Rack: 1
 Vial: 43

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0009 ppm	92.6391 ppm	0.0339 ppm	0.0070 ppm	0.9764 ppm	0.0050 ppm	8.5101 ppm
Concentration per Run 1	-0.0008 ppm	94.0304 ppm	0.0334 ppm	0.0068 ppm	0.9909 ppm	0.0051 ppm	8.6123 ppm
Concentration per Run 2	-0.0010 ppm	91.9460 ppm	0.0346 ppm	0.0071 ppm	0.9692 ppm	0.0050 ppm	8.4769 ppm
Concentration per Run 3	-0.0009 ppm	91.9410 ppm	0.0337 ppm	0.0070 ppm	0.9692 ppm	0.0049 ppm	8.4412 ppm
Concentration RSD	13.2 %	1.3 %	1.8 %	2.4 %	1.3 %	2.2 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0004 ppm	0.0356 ppm	0.0657 ppm	0.0575 ppm	86.4590 ppm	3.0950 ppm	0.0739 ppm
Concentration per Run 1	0.0004 ppm	0.0354 ppm	0.0654 ppm	0.0576 ppm	87.7079 ppm	3.1513 ppm	0.0745 ppm
Concentration per Run 2	0.0003 ppm	0.0355 ppm	0.0660 ppm	0.0572 ppm	85.9528 ppm	3.0611 ppm	0.0734 ppm
Concentration per Run 3	0.0005 ppm	0.0359 ppm	0.0655 ppm	0.0578 ppm	85.7162 ppm	3.0725 ppm	0.0739 ppm
Concentration RSD	20.2 %	0.7 %	0.5 %	0.6 %	1.3 %	1.6 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.4936 ppm	4.3222 ppm	0.0025 ppm	0.1523 ppm	0.0658 ppm	0.1114 ppm	0.0000 ppm
Concentration per Run 1	9.4974 ppm	4.3869 ppm	0.0027 ppm	0.1518 ppm	0.0654 ppm	0.1109 ppm	0.0004 ppm
Concentration per Run 2	9.4872 ppm	4.2968 ppm	0.0022 ppm	0.1519 ppm	0.0658 ppm	0.1103 ppm	0.0010 ppm
Concentration per Run 3	9.4961 ppm	4.2829 ppm	0.0025 ppm	0.1530 ppm	0.0662 ppm	0.1129 ppm	-0.0014 ppm
Concentration RSD	0.1 %	1.3 %	10.8 %	0.4 %	0.6 %	1.2 %	4,430.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	2.5425 ppm	0.0083 ppm	0.0655 ppm	0.5154 ppm	-0.0037 ppm	0.1125 ppm
Concentration per Run 1	0.0036 ppm	2.5205 ppm	0.0084 ppm	0.0663 ppm	0.5164 ppm	-0.0037 ppm	0.1127 ppm
Concentration per Run 2	0.0016 ppm	2.5385 ppm	0.0077 ppm	0.0651 ppm	0.5142 ppm	-0.0038 ppm	0.1125 ppm
Concentration per Run 3	-0.0009 ppm	2.5684 ppm	0.0088 ppm	0.0652 ppm	0.5157 ppm	-0.0037 ppm	0.1123 ppm
Concentration RSD	155.9 %	1.0 %	6.6 %	1.0 %	0.2 %	1.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3530 ppm	144.5264 %	136.4683 %	137.7388 %	107.9539 %	95.3155 %	102.3761 %
Concentration per Run 1	0.3513 ppm	144.0071 %	136.8338 %	138.2061 %	106.7601 %	95.8924 %	102.5216 %
Concentration per Run 2	0.3518 ppm	144.7441 %	136.2627 %	138.1444 %	108.3886 %	95.4903 %	102.2369 %
Concentration per Run 3	0.3559 ppm	144.8280 %	136.3084 %	136.8659 %	108.7132 %	94.5638 %	102.3697 %
Concentration RSD	0.7 %	0.3 %	0.2 %	0.5 %	1.0 %	0.7 %	0.1 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558229-06d2 WG2117286
 Analysis started at: 9/23/2025 22:46:22
 Comments: <Comment>
 Rack: 1
 Vial: 44

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	108.8395 ppm	0.0634 ppm	0.0241 ppm	1.0450 ppm	0.0072 ppm	22.8001 ppm
Concentration per Run 1	0.0004 ppm	109.6094 ppm	0.0634 ppm	0.0243 ppm	1.0522 ppm	0.0073 ppm	22.9744 ppm
Concentration per Run 2	0.0004 ppm	108.4628 ppm	0.0639 ppm	0.0242 ppm	1.0404 ppm	0.0072 ppm	22.7538 ppm
Concentration per Run 3	0.0002 ppm	108.4464 ppm	0.0629 ppm	0.0238 ppm	1.0425 ppm	0.0072 ppm	22.6721 ppm
Concentration RSD	30.3 %	0.6 %	0.7 %	1.2 %	0.6 %	0.9 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0032 ppm	0.0909 ppm	0.1632 ppm	0.8976 ppm	176.0088 ppm	8.4321 ppm	0.2265 ppm
Concentration per Run 1	0.0031 ppm	0.0914 ppm	0.1630 ppm	0.9012 ppm	178.8196 ppm	8.4329 ppm	0.2276 ppm
Concentration per Run 2	0.0031 ppm	0.0906 ppm	0.1632 ppm	0.8956 ppm	175.5995 ppm	8.4205 ppm	0.2253 ppm
Concentration per Run 3	0.0033 ppm	0.0906 ppm	0.1635 ppm	0.8960 ppm	173.6074 ppm	8.4429 ppm	0.2266 ppm
Concentration RSD	3.1 %	0.5 %	0.1 %	0.4 %	1.5 %	0.1 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	32.4187 ppm	6.0278 ppm	0.0060 ppm	0.4162 ppm	0.1545 ppm	0.7566 ppm	0.0028 ppm
Concentration per Run 1	32.3960 ppm	6.0694 ppm	0.0060 ppm	0.4263 ppm	0.1546 ppm	0.7576 ppm	0.0026 ppm
Concentration per Run 2	32.4415 ppm	6.0089 ppm	0.0060 ppm	0.4136 ppm	0.1542 ppm	0.7575 ppm	0.0028 ppm
Concentration per Run 3	32.4185 ppm	6.0052 ppm	0.0059 ppm	0.4086 ppm	0.1547 ppm	0.7546 ppm	0.0029 ppm
Concentration RSD	0.1 %	0.6 %	0.3 %	2.2 %	0.2 %	0.2 %	6.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	2.1674 ppm	0.0200 ppm	0.1040 ppm	1.2323 ppm	-0.0062 ppm	0.2256 ppm
Concentration per Run 1	0.0031 ppm	2.1705 ppm	0.0202 ppm	0.1046 ppm	1.2321 ppm	-0.0069 ppm	0.2261 ppm
Concentration per Run 2	-0.0006 ppm	2.1648 ppm	0.0200 ppm	0.1035 ppm	1.2323 ppm	-0.0056 ppm	0.2255 ppm
Concentration per Run 3	0.0016 ppm	2.1670 ppm	0.0198 ppm	0.1038 ppm	1.2324 ppm	-0.0061 ppm	0.2252 ppm
Concentration RSD	134.7 %	0.1 %	1.2 %	0.6 %	0.0 %	10.5 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0613 ppm	134.4166 %	125.0079 %	125.7492 %	110.4195 %	95.0291 %	103.1151 %
Concentration per Run 1	1.0647 ppm	133.8169 %	125.3289 %	125.7880 %	109.6881 %	94.7626 %	103.2065 %
Concentration per Run 2	1.0612 ppm	134.6983 %	124.7605 %	125.6975 %	110.6414 %	95.1850 %	102.9183 %
Concentration per Run 3	1.0580 ppm	134.7346 %	124.9343 %	125.7622 %	110.9289 %	95.1396 %	103.2204 %
Concentration RSD	0.3 %	0.4 %	0.2 %	0.0 %	0.6 %	0.2 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558229-07d2 WG2117286
 Analysis started at: 9/23/2025 22:50:50
 Comments: <Comment>
 Rack: 1
 Vial: 45

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	135.8376 ppm	0.0787 ppm	0.0301 ppm	1.0181 ppm	0.0094 ppm	18.1124 ppm
Concentration per Run 1	-0.0004 ppm	136.1644 ppm	0.0763 ppm	0.0295 ppm	1.0205 ppm	0.0094 ppm	18.1450 ppm
Concentration per Run 2	-0.0007 ppm	135.4255 ppm	0.0802 ppm	0.0304 ppm	1.0150 ppm	0.0094 ppm	18.0555 ppm
Concentration per Run 3	-0.0004 ppm	135.9229 ppm	0.0796 ppm	0.0304 ppm	1.0189 ppm	0.0094 ppm	18.1366 ppm
Concentration RSD	28.9 %	0.3 %	2.6 %	1.7 %	0.3 %	0.3 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0018 ppm	0.0936 ppm	0.1509 ppm	2.8682 ppm	203.9155 ppm	6.0736 ppm	0.1715 ppm
Concentration per Run 1	0.0017 ppm	0.0934 ppm	0.1507 ppm	2.8609 ppm	205.6931 ppm	6.1046 ppm	0.1709 ppm
Concentration per Run 2	0.0018 ppm	0.0940 ppm	0.1513 ppm	2.8697 ppm	203.3274 ppm	6.0390 ppm	0.1729 ppm
Concentration per Run 3	0.0018 ppm	0.0934 ppm	0.1508 ppm	2.8739 ppm	202.7261 ppm	6.0771 ppm	0.1707 ppm
Concentration RSD	3.0 %	0.4 %	0.2 %	0.2 %	0.8 %	0.5 %	0.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	22.2362 ppm	10.1723 ppm	0.0097 ppm	0.4334 ppm	0.1475 ppm	0.6260 ppm	0.0019 ppm
Concentration per Run 1	22.2192 ppm	10.1951 ppm	0.0098 ppm	0.4262 ppm	0.1485 ppm	0.6266 ppm	0.0031 ppm
Concentration per Run 2	22.2775 ppm	10.1507 ppm	0.0097 ppm	0.4385 ppm	0.1465 ppm	0.6269 ppm	-0.0002 ppm
Concentration per Run 3	22.2118 ppm	10.1711 ppm	0.0095 ppm	0.4354 ppm	0.1474 ppm	0.6246 ppm	0.0027 ppm
Concentration RSD	0.2 %	0.2 %	1.4 %	1.5 %	0.7 %	0.2 %	95.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0047 ppm	3.9318 ppm	0.0218 ppm	0.1507 ppm	1.0789 ppm	-0.0074 ppm	0.2722 ppm
Concentration per Run 1	0.0049 ppm	3.9483 ppm	0.0209 ppm	0.1511 ppm	1.0776 ppm	-0.0066 ppm	0.2725 ppm
Concentration per Run 2	0.0043 ppm	3.9296 ppm	0.0226 ppm	0.1501 ppm	1.0794 ppm	-0.0075 ppm	0.2719 ppm
Concentration per Run 3	0.0050 ppm	3.9176 ppm	0.0218 ppm	0.1509 ppm	1.0797 ppm	-0.0082 ppm	0.2722 ppm
Concentration RSD	7.4 %	0.4 %	3.9 %	0.4 %	0.1 %	10.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0052 ppm	129.5152 %	120.5092 %	120.7469 %	110.5637 %	94.6286 %	103.1860 %
Concentration per Run 1	1.0078 ppm	129.7402 %	120.3564 %	120.6622 %	110.5031 %	94.7148 %	103.0022 %
Concentration per Run 2	1.0061 ppm	129.5147 %	120.3893 %	120.8443 %	110.7835 %	94.6985 %	103.1552 %
Concentration per Run 3	1.0018 ppm	129.2907 %	120.7819 %	120.7342 %	110.4044 %	94.4725 %	103.4006 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.1 %	0.2 %	0.1 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: eL2558235-04d2 WG2117286
 Analysis started at: 9/23/2025 22:55:18
 Comments: <Comment>
 Rack: 1
 Vial: 46

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0021 ppm	81.7536 ppm	0.0375 ppm	0.1545 ppm	0.8868 ppm	0.0040 ppm	429.9939 ppm
Concentration per Run 1	-0.0024 ppm	81.7877 ppm	0.0395 ppm	0.1543 ppm	0.8872 ppm	0.0040 ppm	425.6080 ppm
Concentration per Run 2	-0.0020 ppm	81.9250 ppm	0.0337 ppm	0.1540 ppm	0.8881 ppm	0.0041 ppm	430.8047 ppm
Concentration per Run 3	-0.0020 ppm	81.5481 ppm	0.0393 ppm	0.1551 ppm	0.8851 ppm	0.0040 ppm	433.5690 ppm
Concentration RSD	11.7 %	0.2 %	8.7 %	0.4 %	0.2 %	0.8 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0145 ppm	0.0483 ppm	2.2012 ppm	0.2552 ppm	368.5415 [SIC 500]	5.7944 ppm	0.0755 ppm
Concentration per Run 1	0.0146 ppm	0.0483 ppm	2.1969 ppm	0.2555 ppm	366.6243 ppm	5.7829 ppm	0.0753 ppm
Concentration per Run 2	0.0143 ppm	0.0485 ppm	2.2030 ppm	0.2552 ppm	370.8276 ppm	5.7811 ppm	0.0765 ppm
Concentration per Run 3	0.0145 ppm	0.0480 ppm	2.2036 ppm	0.2550 ppm	368.1726 ppm	5.8194 ppm	0.0746 ppm
Concentration RSD	0.9 %	0.6 %	0.2 %	0.1 %	0.6 %	0.4 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	117.0739 ppm	84.5675 [SIC 40]	0.0090 ppm	5.4392 ppm	0.1392 ppm	0.5878 ppm	0.0077 ppm
Concentration per Run 1	116.7633 ppm	84.1569 ppm	0.0091 ppm	5.4515 ppm	0.1385 ppm	0.5880 ppm	0.0080 ppm
Concentration per Run 2	116.9528 ppm	84.6155 ppm	0.0092 ppm	5.4537 ppm	0.1375 ppm	0.5851 ppm	0.0054 ppm
Concentration per Run 3	117.5056 ppm	84.9301 ppm	0.0087 ppm	5.4124 ppm	0.1417 ppm	0.5902 ppm	0.0096 ppm
Concentration RSD	0.3 %	0.5 %	3.2 %	0.4 %	1.6 %	0.4 %	28.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0420 ppm	4.2500 ppm	0.3257 ppm	0.5626 ppm	9.6983 ppm	-0.0665 ppm	6.2209 ppm
Concentration per Run 1	-0.0442 ppm	4.2644 ppm	0.3260 ppm	0.5626 ppm	9.6997 ppm	-0.0660 ppm	6.2135 ppm
Concentration per Run 2	-0.0387 ppm	4.2277 ppm	0.3245 ppm	0.5639 ppm	9.6778 ppm	-0.0648 ppm	6.2244 ppm
Concentration per Run 3	-0.0431 ppm	4.2578 ppm	0.3267 ppm	0.5614 ppm	9.7174 ppm	-0.0686 ppm	6.2249 ppm
Concentration RSD	6.9 %	0.5 %	0.4 %	0.2 %	0.2 %	2.9 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	5.0145 ppm	120.2902 %	108.1744 %	105.4218 %	109.3328 %	83.5452 %	97.5466 %
Concentration per Run 1	5.0394 ppm	121.1286 %	108.5414 %	105.6484 %	109.9226 %	83.4876 %	97.7839 %
Concentration per Run 2	4.9853 ppm	120.3054 %	108.0808 %	105.6684 %	109.1615 %	84.1060 %	97.4598 %
Concentration per Run 3	5.0189 ppm	119.4365 %	107.9010 %	104.9486 %	108.9144 %	83.0420 %	97.3962 %
Concentration RSD	0.5 %	0.7 %	0.3 %	0.4 %	0.5 %	0.6 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2559033-01d2 WG2117286
 Analysis started at: 9/23/2025 23:00:19
 Comments: <Comment>
 Rack: 1
 Vial: 47

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0009 ppm	120.6065 ppm	0.0542 ppm	0.0177 ppm	0.5419 ppm	0.0053 ppm	24.8913 ppm
Concentration per Run 1	-0.0010 ppm	121.0655 ppm	0.0571 ppm	0.0179 ppm	0.5438 ppm	0.0053 ppm	25.0208 ppm
Concentration per Run 2	-0.0007 ppm	120.0461 ppm	0.0538 ppm	0.0178 ppm	0.5398 ppm	0.0053 ppm	24.7472 ppm
Concentration per Run 3	-0.0011 ppm	120.7080 ppm	0.0517 ppm	0.0173 ppm	0.5421 ppm	0.0053 ppm	24.9058 ppm
Concentration RSD	23.0 %	0.4 %	5.1 %	1.8 %	0.4 %	0.4 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0007 ppm	0.1231 ppm	0.3124 ppm	0.1452 ppm	206.3673 ppm	6.4548 ppm	0.1082 ppm
Concentration per Run 1	-0.0009 ppm	0.1237 ppm	0.3125 ppm	0.1449 ppm	208.8372 ppm	6.4596 ppm	0.1082 ppm
Concentration per Run 2	-0.0007 ppm	0.1231 ppm	0.3128 ppm	0.1455 ppm	205.6033 ppm	6.4452 ppm	0.1081 ppm
Concentration per Run 3	-0.0007 ppm	0.1225 ppm	0.3120 ppm	0.1451 ppm	204.6614 ppm	6.4595 ppm	0.1083 ppm
Concentration RSD	17.2 %	0.5 %	0.1 %	0.2 %	1.1 %	0.1 %	0.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	28.6629 ppm	2.9461 ppm	0.0055 ppm	5.4044 ppm	0.5767 ppm	0.1802 ppm	0.0002 ppm
Concentration per Run 1	28.6319 ppm	2.9573 ppm	0.0055 ppm	5.4305 ppm	0.5782 ppm	0.1799 ppm	-0.0015 ppm
Concentration per Run 2	28.7397 ppm	2.9342 ppm	0.0054 ppm	5.3836 ppm	0.5772 ppm	0.1795 ppm	0.0005 ppm
Concentration per Run 3	28.6172 ppm	2.9468 ppm	0.0055 ppm	5.3991 ppm	0.5747 ppm	0.1810 ppm	0.0016 ppm
Concentration RSD	0.2 %	0.4 %	1.2 %	0.4 %	0.3 %	0.4 %	883.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0060 ppm	1.5484 ppm	0.0098 ppm	0.1063 ppm	2.0372 ppm	-0.0006 ppm	0.2709 ppm
Concentration per Run 1	0.0038 ppm	1.5537 ppm	0.0097 ppm	0.1064 ppm	2.0344 ppm	-0.0013 ppm	0.2705 ppm
Concentration per Run 2	0.0094 ppm	1.5519 ppm	0.0106 ppm	0.1061 ppm	2.0421 ppm	0.0005 ppm	0.2715 ppm
Concentration per Run 3	0.0048 ppm	1.5395 ppm	0.0090 ppm	0.1065 ppm	2.0351 ppm	-0.0009 ppm	0.2706 ppm
Concentration RSD	49.8 %	0.5 %	8.2 %	0.2 %	0.2 %	161.8 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4134 ppm	120.3587 %	113.4917 %	113.4338 %	111.1675 %	95.8504 %	104.9324 %
Concentration per Run 1	0.4149 ppm	120.0302 %	113.5627 %	113.4211 %	110.8471 %	95.5862 %	104.9304 %
Concentration per Run 2	0.4144 ppm	120.7926 %	113.0838 %	113.4662 %	111.6420 %	95.9095 %	104.5973 %
Concentration per Run 3	0.4110 ppm	120.2532 %	113.8287 %	113.4140 %	111.0134 %	96.0555 %	105.2695 %
Concentration RSD	0.5 %	0.3 %	0.3 %	0.0 %	0.4 %	0.3 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCV
Analysis started at: 9/23/2025 23:04:47
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4851 ppm	0.5049 ppm	0.4664 ppm	0.4724 ppm	0.4911 ppm	0.4942 ppm	0.5129 ppm
Concentration per Run 1	0.4841 ppm	0.5100 ppm	0.4674 ppm	0.4721 ppm	0.4982 ppm	0.5013 ppm	0.5128 ppm
Concentration per Run 2	0.4863 ppm	0.4984 ppm	0.4675 ppm	0.4718 ppm	0.4870 ppm	0.4902 ppm	0.5077 ppm
Concentration per Run 3	0.4849 ppm	0.5063 ppm	0.4643 ppm	0.4732 ppm	0.4882 ppm	0.4910 ppm	0.5181 ppm
Recovery Percentage 1	97.017 %	100.985 %	93.284 %	94.474 %	98.225 %	98.836 %	102.577 %
Concentration RSD	0.2 %	1.2 %	0.4 %	0.2 %	1.3 %	1.3 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4790 ppm	0.4905 ppm	0.4951 ppm	0.5005 ppm	0.5152 ppm	5.0597 ppm	0.5069 ppm
Concentration per Run 1	0.4804 ppm	0.4924 ppm	0.4948 ppm	0.4999 ppm	0.5233 ppm	5.1452 ppm	0.5160 ppm
Concentration per Run 2	0.4786 ppm	0.4898 ppm	0.4963 ppm	0.5014 ppm	0.5117 ppm	4.9986 ppm	0.5023 ppm
Concentration per Run 3	0.4781 ppm	0.4894 ppm	0.4941 ppm	0.5001 ppm	0.5106 ppm	5.0352 ppm	0.5024 ppm
Recovery Percentage 1	95.807 %	98.104 %	99.014 %	100.094 %	103.039 %	101.193 %	101.382 %
Concentration RSD	0.2 %	0.3 %	0.2 %	0.2 %	1.4 %	1.5 %	1.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4937 ppm	0.4983 ppm	0.4739 ppm	9.9654 ppm	0.4876 ppm	0.4891 ppm	0.4929 ppm
Concentration per Run 1	0.4887 ppm	0.5042 ppm	0.4748 ppm	10.1102 ppm	0.4884 ppm	0.4889 ppm	0.4944 ppm
Concentration per Run 2	0.4962 ppm	0.4949 ppm	0.4733 ppm	9.8913 ppm	0.4865 ppm	0.4889 ppm	0.4913 ppm
Concentration per Run 3	0.4962 ppm	0.4959 ppm	0.4737 ppm	9.8949 ppm	0.4878 ppm	0.4896 ppm	0.4930 ppm
Recovery Percentage 1	98.739 %	99.666 %	94.785 %	99.654 %	97.514 %	97.828 %	98.581 %
Concentration RSD	0.9 %	1.0 %	0.2 %	1.3 %	0.2 %	0.1 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4743 ppm	5.2784 ppm	0.4801 ppm	0.4956 ppm	0.4859 ppm	0.4952 ppm	0.4942 ppm
Concentration per Run 1	0.4767 ppm	5.2872 ppm	0.4820 ppm	0.5028 ppm	0.4845 ppm	0.4959 ppm	0.4926 ppm
Concentration per Run 2	0.4727 ppm	5.2726 ppm	0.4799 ppm	0.4911 ppm	0.4862 ppm	0.4947 ppm	0.4948 ppm
Concentration per Run 3	0.4734 ppm	5.2755 ppm	0.4784 ppm	0.4929 ppm	0.4870 ppm	0.4950 ppm	0.4952 ppm
Recovery Percentage 1	94.851 %	100.541 %	96.012 %	99.124 %	97.176 %	99.041 %	98.842 %
Concentration RSD	0.4 %	0.1 %	0.4 %	1.3 %	0.3 %	0.1 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4813 ppm	105.6120 %	103.4521 %	103.7282 %	104.9451 %	101.8427 %	103.6786 %
Concentration per Run 1	0.4829 ppm	105.2581 %	103.7299 %	104.0277 %	103.9965 %	101.7356 %	103.8520 %
Concentration per Run 2	0.4812 ppm	106.1542 %	103.2289 %	103.4548 %	105.7140 %	101.6952 %	103.3913 %
Concentration per Run 3	0.4798 ppm	105.4236 %	103.3974 %	103.7021 %	105.1247 %	102.0973 %	103.7927 %
Recovery Percentage 1	96.266 %						
Concentration RSD	0.3 %	0.5 %	0.2 %	0.3 %	0.8 %	0.2 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCB
Analysis started at: 9/23/2025 23:09:04
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0045 ppm	0.0010 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0082 ppm
Concentration per Run 1	0.0002 ppm	0.0057 ppm	0.0009 ppm	0.0008 ppm	-0.0001 ppm	0.0001 ppm	0.0016 ppm
Concentration per Run 2	0.0002 ppm	-0.0012 ppm	0.0022 ppm	0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0133 ppm
Concentration per Run 3	-0.0002 ppm	0.0090 ppm	-0.0002 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0095 ppm
Recovery Percentage 1	1.882 %	4.521 %	19.413 %	2.643 %	0.810 %	1.631 %	8.165 %
Concentration RSD	257.3 %	115.4 %	119.6 %	18.6 %	195.5 %	50.3 %	73.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0026 ppm	-0.0095 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0002 ppm	0.0032 ppm	0.0153 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0028 ppm	-0.0183 ppm	0.0002 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	-0.0001 ppm	0.0003 ppm	0.0018 ppm	-0.0255 ppm	0.0007 ppm
Recovery Percentage 1	0.768 %	0.324 %	-1.847 %	1.598 %	5.122 %	-0.380 %	0.848 %
Concentration RSD	78.9 %	677.2 %	44.0 %	84.5 %	28.3 %	229.2 %	759.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0031 ppm	-0.0001 ppm	0.0003 ppm	0.0011 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0014 ppm	-0.0001 ppm	0.0003 ppm	0.0063 ppm	0.0002 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run 2	0.0021 ppm	0.0000 ppm	0.0002 ppm	0.0022 ppm	0.0003 ppm	0.0001 ppm	-0.0006 ppm
Concentration per Run 3	0.0059 ppm	-0.0001 ppm	0.0003 ppm	-0.0052 ppm	0.0010 ppm	0.0010 ppm	0.0003 ppm
Recovery Percentage 1	3.097 %	-0.611 %	0.560 %	0.056 %	1.902 %	0.663 %	-0.095 %
Concentration RSD	78.7 %	136.5 %	21.6 %	523.7 %	93.0 %	1,387.7 %	1,114.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	-0.0002 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run 1	0.0028 ppm	0.0005 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 2	-0.0016 ppm	-0.0006 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 3	-0.0005 ppm	-0.0006 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0015 ppm	0.0004 ppm
Recovery Percentage 1	1.985 %	-0.049 %	0.797 %	1.075 %	0.332 %	4.869 %	2.573 %
Concentration RSD	1,158.4 %	250.8 %	47.9 %	53.6 %	188.4 %	62.9 %	70.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	105.1249 %	104.6720 %	104.6452 %	103.3344 %	104.2787 %	103.6719 %
Concentration per Run 1	0.0000 ppm	104.2712 %	104.9377 %	104.6925 %	101.3523 %	103.9486 %	103.8597 %
Concentration per Run 2	-0.0001 ppm	104.7627 %	104.6076 %	104.5691 %	103.7862 %	104.4163 %	103.6139 %
Concentration per Run 3	-0.0001 ppm	106.3408 %	104.4708 %	104.6740 %	104.8647 %	104.4713 %	103.5422 %
Recovery Percentage 1	-1.110 %						
Concentration RSD	149.4 %	1.0 %	0.2 %	0.1 %	1.7 %	0.3 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCV
 Analysis started at: 9/23/2025 23:13:42
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4818 ppm	0.4873 ppm	0.4640 ppm	0.4713 ppm	0.4844 ppm	0.4895 ppm	0.4982 ppm
Concentration per Run 1	0.4807 ppm	0.5040 ppm	0.4658 ppm	0.4723 ppm	0.4917 ppm	0.4970 ppm	0.5022 ppm
Concentration per Run 2	0.4821 ppm	0.4833 ppm	0.4632 ppm	0.4702 ppm	0.4806 ppm	0.4862 ppm	0.4992 ppm
Concentration per Run 3	0.4825 ppm	0.4747 ppm	0.4631 ppm	0.4714 ppm	0.4809 ppm	0.4854 ppm	0.4932 ppm
Recovery Percentage 1	96.359 %	97.467 %	92.807 %	94.257 %	96.883 %	97.908 %	99.647 %
Concentration RSD	0.2 %	3.1 %	0.3 %	0.2 %	1.3 %	1.3 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4781 ppm	0.4888 ppm	0.4951 ppm	0.4961 ppm	0.4913 ppm	5.0186 ppm	0.5006 ppm
Concentration per Run 1	0.4783 ppm	0.4887 ppm	0.4952 ppm	0.4953 ppm	0.4978 ppm	5.0844 ppm	0.5098 ppm
Concentration per Run 2	0.4773 ppm	0.4885 ppm	0.4964 ppm	0.4956 ppm	0.4881 ppm	5.0025 ppm	0.4967 ppm
Concentration per Run 3	0.4787 ppm	0.4893 ppm	0.4938 ppm	0.4973 ppm	0.4880 ppm	4.9690 ppm	0.4951 ppm
Recovery Percentage 1	95.619 %	97.764 %	99.022 %	99.212 %	98.260 %	100.373 %	100.111 %
Concentration RSD	0.1 %	0.1 %	0.3 %	0.2 %	1.1 %	1.2 %	1.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4957 ppm	0.4934 ppm	0.4728 ppm	9.7729 ppm	0.4890 ppm	0.4890 ppm	0.4923 ppm
Concentration per Run 1	0.4940 ppm	0.5010 ppm	0.4732 ppm	9.9159 ppm	0.4889 ppm	0.4904 ppm	0.4946 ppm
Concentration per Run 2	0.4948 ppm	0.4911 ppm	0.4718 ppm	9.6978 ppm	0.4885 ppm	0.4866 ppm	0.4917 ppm
Concentration per Run 3	0.4982 ppm	0.4880 ppm	0.4734 ppm	9.7051 ppm	0.4896 ppm	0.4898 ppm	0.4907 ppm
Recovery Percentage 1	99.136 %	98.679 %	94.561 %	97.729 %	97.798 %	97.791 %	98.469 %
Concentration RSD	0.4 %	1.4 %	0.2 %	1.3 %	0.1 %	0.4 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4726 ppm	5.2681 ppm	0.4790 ppm	0.4899 ppm	0.4869 ppm	0.4936 ppm	0.4956 ppm
Concentration per Run 1	0.4743 ppm	5.2808 ppm	0.4791 ppm	0.4976 ppm	0.4867 ppm	0.4941 ppm	0.4952 ppm
Concentration per Run 2	0.4714 ppm	5.2512 ppm	0.4787 ppm	0.4860 ppm	0.4862 ppm	0.4928 ppm	0.4952 ppm
Concentration per Run 3	0.4720 ppm	5.2722 ppm	0.4791 ppm	0.4862 ppm	0.4879 ppm	0.4938 ppm	0.4962 ppm
Recovery Percentage 1	94.515 %	100.345 %	95.799 %	97.990 %	97.385 %	98.712 %	99.112 %
Concentration RSD	0.3 %	0.3 %	0.0 %	1.4 %	0.2 %	0.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4811 ppm	105.3875 %	103.4643 %	103.7443 %	105.8710 %	101.9844 %	104.4327 %
Concentration per Run 1	0.4811 ppm	104.4760 %	103.6837 %	103.8291 %	104.2074 %	101.9832 %	104.5842 %
Concentration per Run 2	0.4806 ppm	105.8699 %	103.3358 %	103.7491 %	106.6044 %	102.1510 %	104.2962 %
Concentration per Run 3	0.4817 ppm	105.8165 %	103.3734 %	103.6548 %	106.8012 %	101.8191 %	104.4176 %
Recovery Percentage 1	96.225 %						
Concentration RSD	0.1 %	0.7 %	0.2 %	0.1 %	1.4 %	0.2 %	0.1 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCB
 Analysis started at: 9/23/2025 23:17:58
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0033 ppm	0.0014 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0106 ppm
Concentration per Run 1	0.0000 ppm	0.0050 ppm	0.0013 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0143 ppm
Concentration per Run 2	0.0004 ppm	0.0043 ppm	0.0012 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0088 ppm
Concentration per Run 3	0.0000 ppm	0.0005 ppm	0.0019 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0088 ppm
Recovery Percentage 1	2.328 %	3.268 %	28.968 %	2.510 %	0.941 %	1.721 %	10.609 %
Concentration RSD	186.2 %	75.2 %	24.3 %	22.8 %	48.3 %	64.6 %	29.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0011 ppm	0.0121 ppm	0.0012 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0016 ppm	0.0016 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0022 ppm	0.0018 ppm	0.0016 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0012 ppm	0.0329 ppm	0.0004 ppm
Recovery Percentage 1	-0.398 %	-1.367 %	0.424 %	0.830 %	2.241 %	0.485 %	12.132 %
Concentration RSD	46.2 %	72.1 %	188.8 %	239.2 %	98.7 %	148.6 %	54.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0038 ppm	0.0000 ppm	0.0003 ppm	0.0099 ppm	-0.0002 ppm	0.0005 ppm	0.0009 ppm
Concentration per Run 1	0.0020 ppm	-0.0001 ppm	0.0002 ppm	0.0102 ppm	0.0000 ppm	0.0016 ppm	0.0019 ppm
Concentration per Run 2	0.0055 ppm	-0.0001 ppm	0.0003 ppm	0.0106 ppm	-0.0002 ppm	-0.0007 ppm	0.0005 ppm
Concentration per Run 3	0.0037 ppm	0.0002 ppm	0.0004 ppm	0.0088 ppm	-0.0003 ppm	0.0007 ppm	0.0003 ppm
Recovery Percentage 1	3.760 %	-0.118 %	0.569 %	0.494 %	-0.620 %	5.362 %	1.785 %
Concentration RSD	45.9 %	1,342.7 %	33.5 %	9.7 %	89.4 %	211.4 %	99.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	-0.0007 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	0.0006 ppm	-0.0003 ppm	-0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0008 ppm	0.0004 ppm
Concentration per Run 2	0.0020 ppm	-0.0006 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run 3	0.0027 ppm	-0.0012 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	-0.0004 ppm	-0.0001 ppm
Recovery Percentage 1	17.574 %	-0.134 %	-0.239 %	1.343 %	0.892 %	1.969 %	0.749 %
Concentration RSD	60.9 %	66.6 %	354.5 %	21.7 %	106.3 %	168.3 %	325.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0002 ppm	105.5159 %	105.0759 %	104.7944 %	103.8968 %	104.6199 %	104.2157 %
Concentration per Run 1	-0.0002 ppm	104.8411 %	105.4210 %	105.0279 %	102.2543 %	104.3740 %	104.4697 %
Concentration per Run 2	-0.0002 ppm	105.9447 %	105.0814 %	104.8640 %	104.5212 %	104.8784 %	104.2729 %
Concentration per Run 3	0.0000 ppm	105.7620 %	104.7254 %	104.4913 %	104.9148 %	104.6072 %	103.9046 %
Recovery Percentage 1	-3.032 %						
Concentration RSD	91.9 %	0.6 %	0.3 %	0.3 %	1.4 %	0.2 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCV
 Analysis started at: 9/24/2025 09:26:26
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4884 ppm	0.5003 ppm	0.4721 ppm	0.4775 ppm	0.4895 ppm	0.4994 ppm	0.5128 ppm
Concentration per Run 1	0.4906 ppm	0.5043 ppm	0.4663 ppm	0.4714 ppm	0.4977 ppm	0.5082 ppm	0.5225 ppm
Concentration per Run 2	0.4517 ppm	0.4977 ppm	0.4759 ppm	0.4792 ppm	0.4867 ppm	0.4971 ppm	0.5118 ppm
Concentration per Run 3	0.5228 ppm	0.4988 ppm	0.4740 ppm	0.4819 ppm	0.4840 ppm	0.4929 ppm	0.5039 ppm
Recovery Percentage 1	97.680 %	100.058 %	94.416 %	95.498 %	97.895 %	99.881 %	102.551 %
Concentration RSD	7.3 %	0.7 %	1.1 %	1.1 %	1.5 %	1.6 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4881 ppm	0.5045 ppm	0.4967 ppm	0.4961 ppm	0.5047 ppm	5.1554 ppm	0.5036 ppm
Concentration per Run 1	0.4829 ppm	0.4996 ppm	0.4989 ppm	0.4976 ppm	0.5144 ppm	5.2642 ppm	0.5124 ppm
Concentration per Run 2	0.4899 ppm	0.5064 ppm	0.4570 ppm	0.4594 ppm	0.5026 ppm	5.0896 ppm	0.5010 ppm
Concentration per Run 3	0.4914 ppm	0.5076 ppm	0.5341 ppm	0.5315 ppm	0.4970 ppm	5.1123 ppm	0.4974 ppm
Recovery Percentage 1	97.613 %	100.902 %	99.337 %	99.227 %	100.938 %	103.108 %	100.723 %
Concentration RSD	0.9 %	0.9 %	7.8 %	7.3 %	1.8 %	1.8 %	1.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4987 ppm	0.5077 ppm	0.4770 ppm	9.9750 ppm	0.4997 ppm	0.4929 ppm	0.4997 ppm
Concentration per Run 1	0.4982 ppm	0.5176 ppm	0.4708 ppm	10.1607 ppm	0.4958 ppm	0.4880 ppm	0.4932 ppm
Concentration per Run 2	0.4612 ppm	0.5041 ppm	0.4791 ppm	9.9162 ppm	0.5011 ppm	0.4952 ppm	0.5018 ppm
Concentration per Run 3	0.5367 ppm	0.5013 ppm	0.4811 ppm	9.8482 ppm	0.5021 ppm	0.4955 ppm	0.5040 ppm
Recovery Percentage 1	99.735 %	101.536 %	95.399 %	99.750 %	99.930 %	98.575 %	99.935 %
Concentration RSD	7.6 %	1.7 %	1.1 %	1.6 %	0.7 %	0.9 %	1.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4792 ppm	5.3047 ppm	0.4910 ppm	0.4969 ppm	0.4874 ppm	0.5014 ppm	0.4992 ppm
Concentration per Run 1	0.4730 ppm	5.2452 ppm	0.4865 ppm	0.5057 ppm	0.4895 ppm	0.4971 ppm	0.5008 ppm
Concentration per Run 2	0.4826 ppm	5.3230 ppm	0.4929 ppm	0.4939 ppm	0.4503 ppm	0.5038 ppm	0.4610 ppm
Concentration per Run 3	0.4821 ppm	5.3459 ppm	0.4937 ppm	0.4910 ppm	0.5225 ppm	0.5034 ppm	0.5358 ppm
Recovery Percentage 1	95.846 %	101.043 %	98.204 %	99.376 %	97.487 %	100.284 %	99.841 %
Concentration RSD	1.1 %	1.0 %	0.8 %	1.6 %	7.4 %	0.8 %	7.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4924 ppm	104.4844 %	104.6271 %	105.6420 %	105.4681 %	102.6140 %	101.6986 %
Concentration per Run 1	0.4877 ppm	103.2055 %	103.8827 %	106.4100 %	103.3980 %	103.6174 %	104.8235 %
Concentration per Run 2	0.4944 ppm	105.1401 %	112.2208 %	105.3998 %	106.2474 %	102.3180 %	N/A
Concentration per Run 3	0.4950 ppm	105.1078 %	97.7779 %	105.1161 %	106.7590 %	101.9066 %	98.5738 %
Recovery Percentage 1	98.481 %						
Concentration RSD	0.8 %	1.1 %	6.9 %	0.6 %	1.7 %	0.9 %	4.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCB
 Analysis started at: 9/24/2025 09:30:42
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	0.0053 ppm	0.0014 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0028 ppm
Concentration per Run 1	0.0003 ppm	0.0090 ppm	0.0026 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm	-0.0012 ppm
Concentration per Run 2	0.0005 ppm	0.0001 ppm	0.0018 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0044 ppm
Concentration per Run 3	0.0003 ppm	0.0068 ppm	-0.0002 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0051 ppm
Recovery Percentage 1	7.590 %	5.307 %	28.068 %	1.438 %	0.721 %	1.237 %	2.767 %
Concentration RSD	33.4 %	87.4 %	104.2 %	15.7 %	101.5 %	94.9 %	124.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0009 ppm	-0.0069 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0008 ppm	-0.0168 ppm	0.0008 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0012 ppm	0.0024 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0007 ppm	-0.0063 ppm	-0.0005 ppm
Recovery Percentage 1	0.106 %	0.330 %	1.836 %	-0.027 %	1.754 %	-0.276 %	2.456 %
Concentration RSD	691.3 %	243.2 %	82.7 %	5,120.2 %	32.8 %	139.6 %	273.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0016 ppm	-0.0003 ppm	0.0003 ppm	0.0016 ppm	0.0001 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run 1	0.0024 ppm	-0.0003 ppm	0.0006 ppm	-0.0026 ppm	0.0003 ppm	0.0015 ppm	0.0005 ppm
Concentration per Run 2	-0.0003 ppm	-0.0005 ppm	0.0003 ppm	0.0011 ppm	0.0005 ppm	0.0013 ppm	-0.0016 ppm
Concentration per Run 3	0.0026 ppm	0.0000 ppm	0.0001 ppm	0.0063 ppm	-0.0004 ppm	-0.0001 ppm	0.0017 ppm
Recovery Percentage 1	1.586 %	-2.896 %	0.690 %	0.079 %	0.528 %	8.888 %	0.402 %
Concentration RSD	104.2 %	82.5 %	71.9 %	282.9 %	363.0 %	101.1 %	831.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0035 ppm	-0.0018 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 1	0.0035 ppm	-0.0017 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0012 ppm	-0.0003 ppm
Concentration per Run 2	0.0036 ppm	-0.0015 ppm	0.0005 ppm	0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run 3	0.0035 ppm	-0.0020 ppm	-0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0006 ppm	0.0001 ppm
Recovery Percentage 1	35.384 %	-0.352 %	0.410 %	1.864 %	0.598 %	3.992 %	0.251 %
Concentration RSD	0.8 %	14.5 %	142.6 %	35.0 %	216.6 %	44.4 %	1,103.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0003 ppm	103.9044 %	104.7096 %	106.5638 %	103.4086 %	105.4061 %	104.4680 %
Concentration per Run 1	-0.0002 ppm	102.7419 %	104.4925 %	106.5901 %	101.5265 %	105.1197 %	104.1182 %
Concentration per Run 2	-0.0002 ppm	104.1418 %	104.8852 %	106.5780 %	104.1522 %	105.6438 %	104.6656 %
Concentration per Run 3	-0.0004 ppm	104.8295 %	104.7512 %	106.5233 %	104.5471 %	105.4549 %	104.6203 %
Recovery Percentage 1	-5.451 %						
Concentration RSD	35.6 %	1.0 %	0.2 %	0.0 %	1.6 %	0.3 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558468-02 WG2116269
 Analysis started at: 9/24/2025 10:36:36
 Comments: <Comment>
 Rack: 1
 Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0035 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0083 ppm
Concentration per Run 1	0.0000 ppm	0.0024 ppm	0.0008 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0117 ppm
Concentration per Run 2	-0.0004 ppm	0.0039 ppm	-0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0062 ppm
Concentration per Run 3	-0.0003 ppm	0.0042 ppm	-0.0005 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0070 ppm
Concentration RSD	73.1 %	27.9 %	581.0 %	178.1 %	487.4 %	66.8 %	35.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0018 ppm	0.0009 ppm	-0.0077 ppm	-0.0011 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0020 ppm	0.0016 ppm	-0.0215 ppm	-0.0013 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0018 ppm	0.0013 ppm	-0.0087 ppm	-0.0015 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0017 ppm	-0.0003 ppm	0.0073 ppm	-0.0006 ppm
Concentration RSD	191.0 %	77.5 %	766.8 %	9.8 %	114.1 %	188.2 %	43.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0061 ppm	-0.0004 ppm	-0.0001 ppm	-0.0009 ppm	0.0003 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 1	0.0043 ppm	-0.0005 ppm	-0.0001 ppm	-0.0046 ppm	0.0003 ppm	-0.0001 ppm	-0.0007 ppm
Concentration per Run 2	0.0061 ppm	-0.0002 ppm	-0.0001 ppm	-0.0017 ppm	0.0003 ppm	0.0015 ppm	0.0007 ppm
Concentration per Run 3	0.0080 ppm	-0.0004 ppm	-0.0001 ppm	0.0034 ppm	0.0003 ppm	0.0010 ppm	0.0001 ppm
Concentration RSD	30.5 %	34.7 %	6.4 %	431.0 %	2.2 %	100.8 %	1,755.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0022 ppm	0.0096 ppm	-0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run 1	0.0022 ppm	0.0096 ppm	-0.0004 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 2	0.0008 ppm	0.0085 ppm	-0.0010 ppm	0.0000 ppm	0.0002 ppm	-0.0005 ppm	-0.0004 ppm
Concentration per Run 3	0.0036 ppm	0.0107 ppm	-0.0004 ppm	0.0001 ppm	-0.0002 ppm	0.0011 ppm	-0.0003 ppm
Concentration RSD	63.4 %	11.6 %	54.0 %	871.7 %	1,302.1 %	372.9 %	162.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	105.4826 %	105.7985 %	108.4429 %	103.6042 %	106.3225 %	104.0547 %
Concentration per Run 1	0.0002 ppm	104.3998 %	105.7525 %	108.3178 %	101.5681 %	106.2028 %	103.9631 %
Concentration per Run 2	0.0004 ppm	105.9710 %	106.2564 %	109.4225 %	104.4531 %	107.4750 %	104.4490 %
Concentration per Run 3	0.0003 ppm	106.0768 %	105.3866 %	107.5883 %	104.7913 %	105.2896 %	103.7521 %
Concentration RSD	34.0 %	0.9 %	0.4 %	0.9 %	1.7 %	1.0 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558468-03 WG2116269
 Analysis started at: 9/24/2025 10:41:08
 Comments: <Comment>
 Rack: 1
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0083 ppm	-0.0006 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0069 ppm
Concentration per Run 1	0.0005 ppm	-0.0016 ppm	-0.0030 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0055 ppm
Concentration per Run 2	-0.0001 ppm	0.0131 ppm	0.0004 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0104 ppm
Concentration per Run 3	0.0003 ppm	0.0133 ppm	0.0008 ppm	0.0014 ppm	0.0002 ppm	0.0000 ppm	0.0048 ppm
Concentration RSD	127.6 %	103.6 %	335.5 %	11.2 %	45.8 %	58.0 %	43.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0007 ppm	0.0051 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.0022 ppm	0.0059 ppm	0.0016 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0005 ppm	0.0005 ppm	-0.0129 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0005 ppm	-0.0006 ppm	0.0223 ppm	0.0001 ppm
Concentration RSD	58.7 %	45.4 %	308.7 %	2.4 %	197.9 %	345.9 %	323.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0036 ppm	-0.0002 ppm	-0.0001 ppm	0.0040 ppm	0.0002 ppm	0.0007 ppm	-0.0003 ppm
Concentration per Run 1	0.0032 ppm	-0.0003 ppm	0.0000 ppm	0.0027 ppm	-0.0002 ppm	0.0007 ppm	-0.0002 ppm
Concentration per Run 2	0.0032 ppm	0.0000 ppm	-0.0001 ppm	0.0058 ppm	0.0008 ppm	0.0010 ppm	-0.0012 ppm
Concentration per Run 3	0.0043 ppm	-0.0003 ppm	-0.0002 ppm	0.0036 ppm	0.0000 ppm	0.0004 ppm	0.0005 ppm
Concentration RSD	18.5 %	85.3 %	65.6 %	39.3 %	273.5 %	42.8 %	326.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0016 ppm	0.0221 ppm	-0.0002 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0012 ppm	0.0217 ppm	-0.0009 ppm	0.0001 ppm	-0.0002 ppm	-0.0010 ppm	-0.0002 ppm
Concentration per Run 2	0.0015 ppm	0.0220 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run 3	0.0020 ppm	0.0226 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0001 ppm
Concentration RSD	25.3 %	2.1 %	333.2 %	33.0 %	125.9 %	1,800.2 %	377.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	104.7370 %	105.4489 %	107.9073 %	104.0672 %	106.0206 %	104.7728 %
Concentration per Run 1	0.0000 ppm	103.7485 %	105.1552 %	107.9516 %	101.8106 %	105.9905 %	104.3364 %
Concentration per Run 2	0.0000 ppm	105.3772 %	105.5713 %	107.8983 %	105.3010 %	106.0698 %	104.9228 %
Concentration per Run 3	-0.0001 ppm	105.0854 %	105.6201 %	107.8721 %	105.0901 %	106.0013 %	105.0592 %
Concentration RSD	27.9 %	0.8 %	0.2 %	0.0 %	1.9 %	0.0 %	0.4 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558468-04 WG2116269
 Analysis started at: 9/24/2025 10:50:07
 Comments: <Comment>
 Rack: 1
 Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0076 ppm	0.0003 ppm	0.0074 ppm	0.0000 ppm	0.0000 ppm	0.0111 ppm
Concentration per Run 1	0.0001 ppm	0.0095 ppm	0.0005 ppm	0.0074 ppm	0.0000 ppm	0.0000 ppm	0.0113 ppm
Concentration per Run 2	0.0000 ppm	0.0058 ppm	0.0012 ppm	0.0075 ppm	0.0001 ppm	0.0000 ppm	0.0056 ppm
Concentration per Run 3	0.0004 ppm	0.0076 ppm	-0.0007 ppm	0.0074 ppm	0.0000 ppm	0.0001 ppm	0.0164 ppm
Concentration RSD	146.3 %	24.6 %	293.9 %	0.8 %	132.8 %	131.3 %	48.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0040 ppm	-0.0024 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0044 ppm	-0.0093 ppm	-0.0004 ppm
Concentration per Run 2	0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.0001 ppm	0.0028 ppm	-0.0208 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0049 ppm	0.0229 ppm	0.0007 ppm
Concentration RSD	142.3 %	45.3 %	185.0 %	78.7 %	26.4 %	948.6 %	248.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0038 ppm	-0.0003 ppm	-0.0001 ppm	-0.0023 ppm	0.0006 ppm	0.0008 ppm	-0.0005 ppm
Concentration per Run 1	0.0018 ppm	-0.0001 ppm	-0.0001 ppm	-0.0039 ppm	0.0006 ppm	0.0008 ppm	-0.0015 ppm
Concentration per Run 2	0.0037 ppm	-0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0006 ppm	0.0005 ppm	0.0004 ppm
Concentration per Run 3	0.0058 ppm	0.0000 ppm	-0.0001 ppm	-0.0032 ppm	0.0005 ppm	0.0013 ppm	-0.0005 ppm
Concentration RSD	53.5 %	139.8 %	129.9 %	96.4 %	12.5 %	46.6 %	191.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.0442 ppm	0.0011 ppm	0.0002 ppm	-0.0001 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 1	0.0027 ppm	0.0449 ppm	0.0016 ppm	0.0002 ppm	-0.0002 ppm	-0.0005 ppm	0.0004 ppm
Concentration per Run 2	0.0008 ppm	0.0429 ppm	0.0005 ppm	0.0003 ppm	-0.0003 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run 3	0.0003 ppm	0.0448 ppm	0.0013 ppm	0.0002 ppm	0.0001 ppm	0.0014 ppm	-0.0001 ppm
Concentration RSD	99.2 %	2.5 %	48.3 %	42.5 %	221.5 %	153.2 %	1,004.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	103.5717 %	104.9071 %	107.2824 %	104.6094 %	105.8611 %	105.3357 %
Concentration per Run 1	0.0002 ppm	102.2983 %	104.7199 %	107.3965 %	102.1284 %	105.8138 %	104.9921 %
Concentration per Run 2	0.0002 ppm	104.5862 %	105.0376 %	107.2430 %	106.1717 %	106.0073 %	105.4068 %
Concentration per Run 3	0.0003 ppm	103.8307 %	104.9640 %	107.2078 %	105.5282 %	105.7623 %	105.6081 %
Concentration RSD	35.9 %	1.1 %	0.2 %	0.1 %	2.1 %	0.1 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558468-01 WG2116269
 Analysis started at: 9/24/2025 10:54:40
 Comments: <Comment>
 Rack: 1
 Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	0.0059 ppm	0.0019 ppm	0.0098 ppm	0.0253 ppm	0.0001 ppm	24.7712 ppm
Concentration per Run 1	0.0007 ppm	-0.0025 ppm	0.0010 ppm	0.0099 ppm	0.0260 ppm	0.0000 ppm	25.3197 ppm
Concentration per Run 2	0.0005 ppm	0.0087 ppm	0.0033 ppm	0.0096 ppm	0.0248 ppm	0.0001 ppm	24.5986 ppm
Concentration per Run 3	0.0000 ppm	0.0116 ppm	0.0013 ppm	0.0100 ppm	0.0252 ppm	0.0001 ppm	24.3953 ppm
Concentration RSD	89.3 %	125.8 %	66.9 %	1.8 %	2.5 %	78.4 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0428 ppm	0.0179 ppm	18.2754 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0003 ppm	0.0427 ppm	0.0186 ppm	18.6706 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0006 ppm	0.0428 ppm	0.0177 ppm	18.1422 ppm	0.0011 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0007 ppm	0.0429 ppm	0.0175 ppm	18.0134 ppm	0.0002 ppm
Concentration RSD	133.0 %	49.8 %	34.9 %	0.3 %	3.1 %	1.9 %	76.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.8031 ppm	0.0040 ppm	0.0006 ppm	40.4581 ppm	0.0014 ppm	0.0024 ppm	-0.0009 ppm
Concentration per Run 1	4.7980 ppm	0.0043 ppm	0.0007 ppm	41.2647 ppm	0.0013 ppm	0.0021 ppm	-0.0012 ppm
Concentration per Run 2	4.8081 ppm	0.0041 ppm	0.0005 ppm	40.1369 ppm	0.0016 ppm	0.0022 ppm	-0.0005 ppm
Concentration per Run 3	4.8033 ppm	0.0037 ppm	0.0005 ppm	39.9727 ppm	0.0014 ppm	0.0029 ppm	-0.0010 ppm
Concentration RSD	0.1 %	8.1 %	21.2 %	1.7 %	10.0 %	19.2 %	42.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0038 ppm	5.7159 ppm	-0.0011 ppm	0.1271 ppm	0.0001 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run 1	0.0036 ppm	5.7212 ppm	-0.0010 ppm	0.1297 ppm	0.0004 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run 2	0.0034 ppm	5.7194 ppm	-0.0010 ppm	0.1260 ppm	0.0001 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run 3	0.0044 ppm	5.7073 ppm	-0.0014 ppm	0.1257 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm
Concentration RSD	14.7 %	0.1 %	22.4 %	1.8 %	259.6 %	60.1 %	48.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1445 ppm	104.4028 %	102.2709 %	105.1963 %	105.5668 %	100.3952 %	103.0337 %
Concentration per Run 1	0.1450 ppm	102.7876 %	102.7010 %	105.2846 %	102.9707 %	100.4030 %	103.3894 %
Concentration per Run 2	0.1446 ppm	104.9281 %	101.8753 %	105.1474 %	106.3420 %	100.1928 %	102.6765 %
Concentration per Run 3	0.1438 ppm	105.4928 %	102.2364 %	105.1568 %	107.3877 %	100.5898 %	103.0351 %
Concentration RSD	0.4 %	1.4 %	0.4 %	0.1 %	2.2 %	0.2 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: LDR 250 Fe pass
 Analysis started at: 9/24/2025 11:01:25
 Comments: <Comment>
 Rack: 1
 Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0050 ppm	-0.0012 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0098 ppm
Concentration per Run 1	0.0004 ppm	0.0013 ppm	0.0010 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0104 ppm
Concentration per Run 2	0.0003 ppm	0.0048 ppm	-0.0040 ppm	0.0007 ppm	0.0002 ppm	0.0001 ppm	0.0069 ppm
Concentration per Run 3	-0.0002 ppm	0.0091 ppm	-0.0006 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0123 ppm
Concentration RSD	212.6 %	77.6 %	214.2 %	86.8 %	22.1 %	54.0 %	27.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0014 ppm	-0.0025 ppm	237.9790 ppm	-0.0282 ppm	-0.0007 ppm
Concentration per Run 1	-0.0002 ppm	-0.0002 ppm	-0.0015 ppm	-0.0020 ppm	245.5206 ppm	-0.0423 ppm	-0.0016 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	-0.0015 ppm	-0.0030 ppm	235.3397 ppm	-0.0207 ppm	-0.0005 ppm
Concentration per Run 3	0.0002 ppm	-0.0003 ppm	-0.0012 ppm	-0.0026 ppm	233.0766 ppm	-0.0216 ppm	-0.0001 ppm
Concentration RSD	929.4 %	126.8 %	13.7 %	20.2 %	2.8 %	43.3 %	110.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0009 ppm	-0.0001 ppm	-0.0018 ppm	0.0043 ppm	-0.0184 ppm	0.0002 ppm	-0.0010 ppm
Concentration per Run 1	-0.0050 ppm	0.0000 ppm	-0.0015 ppm	0.0048 ppm	-0.0198 ppm	0.0002 ppm	-0.0032 ppm
Concentration per Run 2	0.0016 ppm	0.0000 ppm	-0.0018 ppm	0.0049 ppm	-0.0176 ppm	0.0006 ppm	0.0006 ppm
Concentration per Run 3	0.0008 ppm	-0.0002 ppm	-0.0021 ppm	0.0032 ppm	-0.0180 ppm	-0.0001 ppm	-0.0006 ppm
Concentration RSD	409.6 %	120.8 %	16.6 %	22.0 %	6.3 %	151.4 %	186.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0059 ppm	-0.0030 ppm	0.0017 ppm	0.0002 ppm	-0.0005 ppm	0.0029 ppm	-0.0012 ppm
Concentration per Run 1	0.0018 ppm	-0.0032 ppm	0.0016 ppm	0.0001 ppm	-0.0008 ppm	0.0027 ppm	-0.0013 ppm
Concentration per Run 2	0.0075 ppm	-0.0033 ppm	0.0018 ppm	0.0003 ppm	-0.0004 ppm	0.0033 ppm	-0.0010 ppm
Concentration per Run 3	0.0084 ppm	-0.0024 ppm	0.0016 ppm	0.0003 ppm	-0.0002 ppm	0.0027 ppm	-0.0014 ppm
Concentration RSD	60.8 %	16.4 %	6.2 %	45.1 %	57.8 %	11.8 %	14.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0027 ppm	105.0547 %	102.7266 %	104.1081 %	106.2564 %	99.3393 %	103.3249 %
Concentration per Run 1	-0.0026 ppm	104.7500 %	102.9033 %	105.4599 %	105.4595 %	100.6339 %	103.3570 %
Concentration per Run 2	-0.0030 ppm	105.0974 %	102.3770 %	105.4046 %	106.6325 %	100.6852 %	103.0972 %
Concentration per Run 3	-0.0024 ppm	105.3166 %	102.8996 %	101.4598 %	106.6772 %	96.6988 %	103.5206 %
Concentration RSD	10.8 %	0.3 %	0.3 %	2.2 %	0.6 %	2.3 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558607-15 WG2116269
 Analysis started at: 9/24/2025 11:06:04
 Comments: <Comment>
 Rack: 1
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.9162 ppm	0.0145 ppm	0.1503 ppm	0.0740 ppm	0.0000 ppm	91.5518 ppm
Concentration per Run 1	0.0001 ppm	0.9288 ppm	0.0153 ppm	0.1504 ppm	0.0747 ppm	0.0000 ppm	92.6919 ppm
Concentration per Run 2	0.0004 ppm	0.9122 ppm	0.0142 ppm	0.1509 ppm	0.0738 ppm	0.0000 ppm	91.0853 ppm
Concentration per Run 3	0.0004 ppm	0.9076 ppm	0.0140 ppm	0.1497 ppm	0.0733 ppm	0.0001 ppm	90.8782 ppm
Concentration RSD	45.9 %	1.2 %	4.7 %	0.4 %	1.0 %	80.7 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0006 ppm	0.0031 ppm	0.0104 ppm	1.5551 ppm	21.1050 ppm	0.0173 ppm
Concentration per Run 1	0.0001 ppm	0.0003 ppm	0.0031 ppm	0.0106 ppm	1.5814 ppm	21.3516 ppm	0.0182 ppm
Concentration per Run 2	0.0001 ppm	0.0009 ppm	0.0034 ppm	0.0104 ppm	1.5440 ppm	21.0237 ppm	0.0172 ppm
Concentration per Run 3	0.0000 ppm	0.0006 ppm	0.0027 ppm	0.0103 ppm	1.5399 ppm	20.9396 ppm	0.0166 ppm
Concentration RSD	17.1 %	44.5 %	11.3 %	1.1 %	1.5 %	1.0 %	4.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	36.1580 ppm	0.3659 ppm	0.0073 ppm	349.1947 ppm	0.0013 ppm	0.0061 ppm	-0.0015 ppm
Concentration per Run 1	36.1253 ppm	0.3707 ppm	0.0072 ppm	351.9696 ppm	0.0012 ppm	0.0064 ppm	-0.0032 ppm
Concentration per Run 2	36.2350 ppm	0.3644 ppm	0.0074 ppm	351.0225 ppm	0.0013 ppm	0.0057 ppm	-0.0008 ppm
Concentration per Run 3	36.1138 ppm	0.3626 ppm	0.0074 ppm	344.5921 ppm	0.0014 ppm	0.0062 ppm	-0.0006 ppm
Concentration RSD	0.2 %	1.2 %	2.0 %	1.1 %	6.5 %	6.3 %	93.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	9.0667 ppm	-0.0002 ppm	0.6789 ppm	0.0498 ppm	0.0012 ppm	0.0042 ppm
Concentration per Run 1	0.0005 ppm	9.0871 ppm	0.0005 ppm	0.6867 ppm	0.0497 ppm	0.0017 ppm	0.0041 ppm
Concentration per Run 2	0.0012 ppm	9.0558 ppm	0.0000 ppm	0.6748 ppm	0.0504 ppm	0.0011 ppm	0.0042 ppm
Concentration per Run 3	0.0016 ppm	9.0572 ppm	-0.0012 ppm	0.6752 ppm	0.0493 ppm	0.0009 ppm	0.0043 ppm
Concentration RSD	46.9 %	0.2 %	441.3 %	1.0 %	1.1 %	33.6 %	2.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0261 ppm	103.4333 %	97.0745 %	100.7486 %	103.7710 %	89.8771 %	96.4709 %
Concentration per Run 1	0.0262 ppm	102.7502 %	97.2137 %	100.4167 %	102.2925 %	89.9343 %	96.6119 %
Concentration per Run 2	0.0260 ppm	103.7004 %	96.7471 %	100.9460 %	104.2620 %	89.9865 %	96.2012 %
Concentration per Run 3	0.0262 ppm	103.8493 %	97.2626 %	100.8831 %	104.7584 %	89.7105 %	96.5995 %
Concentration RSD	0.4 %	0.6 %	0.3 %	0.3 %	1.3 %	0.2 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2116269-7 WG2116269
 Analysis started at: 9/24/2025 11:10:39
 Comments: <Comment>
 Rack: 1
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0526 ppm	3.6394 ppm	0.1434 ppm	1.1620 ppm	2.0912 ppm	0.0507 ppm	101.2418 ppm
Concentration per Run 1	0.0531 ppm	3.6805 ppm	0.1460 ppm	1.1724 ppm	2.1119 ppm	0.0513 ppm	102.6285 ppm
Concentration per Run 2	0.0523 ppm	3.6234 ppm	0.1468 ppm	1.1775 ppm	2.0824 ppm	0.0503 ppm	100.4720 ppm
Concentration per Run 3	0.0524 ppm	3.6144 ppm	0.1375 ppm	1.1362 ppm	2.0793 ppm	0.0504 ppm	100.6249 ppm
Concentration RSD	0.9 %	1.0 %	3.6 %	1.9 %	0.9 %	1.0 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0536 ppm	0.5090 ppm	0.1989 ppm	0.2645 ppm	3.3293 ppm	31.8883 ppm	0.0196 ppm
Concentration per Run 1	0.0543 ppm	0.5135 ppm	0.1984 ppm	0.2649 ppm	3.3741 ppm	32.1986 ppm	0.0186 ppm
Concentration per Run 2	0.0542 ppm	0.5153 ppm	0.1993 ppm	0.2649 ppm	3.3044 ppm	31.7106 ppm	0.0193 ppm
Concentration per Run 3	0.0524 ppm	0.4982 ppm	0.1991 ppm	0.2637 ppm	3.3092 ppm	31.7557 ppm	0.0209 ppm
Concentration RSD	1.9 %	1.8 %	0.2 %	0.3 %	1.2 %	0.8 %	5.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	45.1041 ppm	0.8700 ppm	1.0026 ppm	351.7346 ppm	0.4993 ppm	0.5151 ppm	0.5294 ppm
Concentration per Run 1	45.0342 ppm	0.8805 ppm	1.0112 ppm	356.7438 ppm	0.5045 ppm	0.5212 ppm	0.5343 ppm
Concentration per Run 2	45.1855 ppm	0.8638 ppm	1.0146 ppm	346.2840 ppm	0.5038 ppm	0.5195 ppm	0.5361 ppm
Concentration per Run 3	45.0925 ppm	0.8655 ppm	0.9820 ppm	352.1759 ppm	0.4895 ppm	0.5045 ppm	0.5178 ppm
Concentration RSD	0.2 %	1.1 %	1.8 %	1.5 %	1.7 %	1.8 %	1.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1258 ppm	11.2475 ppm	0.9742 ppm	1.6579 ppm	1.0581 ppm	0.1119 ppm	0.5082 ppm
Concentration per Run 1	0.1285 ppm	11.3653 ppm	0.9827 ppm	1.6743 ppm	1.0564 ppm	0.1118 ppm	0.5074 ppm
Concentration per Run 2	0.1272 ppm	11.3911 ppm	0.9841 ppm	1.6499 ppm	1.0606 ppm	0.1148 ppm	0.5094 ppm
Concentration per Run 3	0.1216 ppm	10.9860 ppm	0.9559 ppm	1.6495 ppm	1.0574 ppm	0.1092 ppm	0.5076 ppm
Concentration RSD	2.9 %	2.0 %	1.6 %	0.9 %	0.2 %	2.5 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5346 ppm	103.5735 %	96.5700 %	101.0673 %	103.0875 %	90.1582 %	95.4912 %
Concentration per Run 1	0.5400 ppm	102.9748 %	96.7599 %	100.3012 %	101.7508 %	89.3902 %	95.4282 %
Concentration per Run 2	0.5401 ppm	104.1650 %	96.4715 %	100.2186 %	104.1567 %	89.2396 %	95.4860 %
Concentration per Run 3	0.5237 ppm	103.5806 %	96.4786 %	102.6821 %	103.3548 %	91.8447 %	95.5594 %
Concentration RSD	1.8 %	0.6 %	0.2 %	1.4 %	1.2 %	1.6 %	0.1 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2116269-8 WG2116269
 Analysis started at: 9/24/2025 11:15:00
 Comments: <Comment>
 Rack: 1
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	2.5161 ppm	0.0168 ppm	0.1503 ppm	0.0804 ppm	0.0001 ppm	92.6609 ppm
Concentration per Run 1	0.0005 ppm	2.5405 ppm	0.0206 ppm	0.1515 ppm	0.0809 ppm	0.0001 ppm	93.8402 ppm
Concentration per Run 2	-0.0001 ppm	2.5011 ppm	0.0160 ppm	0.1502 ppm	0.0802 ppm	0.0001 ppm	92.1754 ppm
Concentration per Run 3	-0.0001 ppm	2.5067 ppm	0.0138 ppm	0.1494 ppm	0.0801 ppm	0.0001 ppm	91.9672 ppm
Concentration RSD	400.7 %	0.8 %	20.6 %	0.7 %	0.6 %	36.9 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0014 ppm	0.0062 ppm	0.0122 ppm	3.9449 ppm	21.6724 ppm	0.0218 ppm
Concentration per Run 1	0.0001 ppm	0.0015 ppm	0.0058 ppm	0.0124 ppm	3.9858 ppm	21.8999 ppm	0.0217 ppm
Concentration per Run 2	0.0001 ppm	0.0012 ppm	0.0059 ppm	0.0121 ppm	3.9233 ppm	21.5168 ppm	0.0228 ppm
Concentration per Run 3	0.0001 ppm	0.0015 ppm	0.0068 ppm	0.0123 ppm	3.9255 ppm	21.6005 ppm	0.0210 ppm
Concentration RSD	16.5 %	14.5 %	8.6 %	1.2 %	0.9 %	0.9 %	4.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	36.2894 ppm	0.3979 ppm	0.0091 ppm	351.4029 ppm	0.0029 ppm	0.0056 ppm	-0.0002 ppm
Concentration per Run 1	36.1424 ppm	0.4033 ppm	0.0094 ppm	358.5584 ppm	0.0024 ppm	0.0054 ppm	-0.0001 ppm
Concentration per Run 2	36.2928 ppm	0.3952 ppm	0.0089 ppm	349.1801 ppm	0.0035 ppm	0.0053 ppm	-0.0006 ppm
Concentration per Run 3	36.4329 ppm	0.3953 ppm	0.0088 ppm	346.4701 ppm	0.0028 ppm	0.0061 ppm	0.0002 ppm
Concentration RSD	0.4 %	1.2 %	3.8 %	1.8 %	19.1 %	8.0 %	246.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0031 ppm	11.7723 ppm	0.0013 ppm	0.6836 ppm	0.1625 ppm	-0.0003 ppm	0.0078 ppm
Concentration per Run 1	0.0008 ppm	11.8327 ppm	0.0014 ppm	0.6907 ppm	0.1622 ppm	-0.0003 ppm	0.0078 ppm
Concentration per Run 2	0.0054 ppm	11.7596 ppm	0.0017 ppm	0.6792 ppm	0.1626 ppm	0.0011 ppm	0.0078 ppm
Concentration per Run 3	0.0030 ppm	11.7246 ppm	0.0006 ppm	0.6807 ppm	0.1626 ppm	-0.0018 ppm	0.0077 ppm
Concentration RSD	75.1 %	0.5 %	43.3 %	0.9 %	0.1 %	475.8 %	0.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0308 ppm	103.2917 %	96.9520 %	100.1037 %	102.2335 %	89.4807 %	95.6777 %
Concentration per Run 1	0.0310 ppm	102.9981 %	97.4307 %	100.4416 %	101.0911 %	89.3310 %	95.9737 %
Concentration per Run 2	0.0307 ppm	103.9162 %	96.9683 %	100.0519 %	102.8970 %	89.5668 %	95.7070 %
Concentration per Run 3	0.0308 ppm	102.9607 %	96.4571 %	99.8175 %	102.7124 %	89.5444 %	95.3524 %
Concentration RSD	0.6 %	0.5 %	0.5 %	0.3 %	1.0 %	0.1 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2116269-9 WG2116269
 Analysis started at: 9/24/2025 11:19:36
 Comments: <Comment>
 Rack: 1
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0497 ppm	2.8743 ppm	0.1404 ppm	1.1531 ppm	1.9759 ppm	0.0479 ppm	99.0495 ppm
Concentration per Run 1	0.0499 ppm	2.9051 ppm	0.1396 ppm	1.1513 ppm	1.9986 ppm	0.0487 ppm	100.7933 ppm
Concentration per Run 2	0.0498 ppm	2.8631 ppm	0.1392 ppm	1.1485 ppm	1.9648 ppm	0.0475 ppm	98.1786 ppm
Concentration per Run 3	0.0495 ppm	2.8547 ppm	0.1423 ppm	1.1596 ppm	1.9644 ppm	0.0474 ppm	98.1767 ppm
Concentration RSD	0.4 %	0.9 %	1.2 %	0.5 %	1.0 %	1.5 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0522 ppm	0.4880 ppm	0.1877 ppm	0.2502 ppm	2.4309 ppm	31.2783 ppm	0.0194 ppm
Concentration per Run 1	0.0520 ppm	0.4876 ppm	0.1878 ppm	0.2501 ppm	2.4618 ppm	31.6440 ppm	0.0199 ppm
Concentration per Run 2	0.0518 ppm	0.4857 ppm	0.1878 ppm	0.2503 ppm	2.4073 ppm	31.1348 ppm	0.0191 ppm
Concentration per Run 3	0.0526 ppm	0.4908 ppm	0.1873 ppm	0.2502 ppm	2.4236 ppm	31.0561 ppm	0.0191 ppm
Concentration RSD	0.8 %	0.5 %	0.2 %	0.0 %	1.1 %	1.0 %	2.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	44.3023 ppm	0.8253 ppm	0.9941 ppm	347.7218 ppm	0.4809 ppm	0.5013 ppm	0.5055 ppm
Concentration per Run 1	44.3064 ppm	0.8364 ppm	0.9895 ppm	352.0636 ppm	0.4796 ppm	0.5000 ppm	0.5052 ppm
Concentration per Run 2	44.3064 ppm	0.8188 ppm	0.9906 ppm	346.6328 ppm	0.4785 ppm	0.4987 ppm	0.5029 ppm
Concentration per Run 3	44.2943 ppm	0.8206 ppm	1.0022 ppm	344.4690 ppm	0.4844 ppm	0.5051 ppm	0.5084 ppm
Concentration RSD	0.0 %	1.2 %	0.7 %	1.1 %	0.7 %	0.7 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1200 ppm	9.8151 ppm	0.9982 ppm	1.6300 ppm	0.9951 ppm	0.1085 ppm	0.4815 ppm
Concentration per Run 1	0.1214 ppm	9.7902 ppm	0.9949 ppm	1.6481 ppm	0.9947 ppm	0.1086 ppm	0.4816 ppm
Concentration per Run 2	0.1182 ppm	9.7669 ppm	0.9936 ppm	1.6215 ppm	0.9947 ppm	0.1085 ppm	0.4811 ppm
Concentration per Run 3	0.1205 ppm	9.8881 ppm	1.0061 ppm	1.6203 ppm	0.9958 ppm	0.1085 ppm	0.4817 ppm
Concentration RSD	1.4 %	0.7 %	0.7 %	1.0 %	0.1 %	0.0 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5141 ppm	103.9418 %	97.0085 %	99.3959 %	103.4650 %	89.2183 %	96.1305 %
Concentration per Run 1	0.5119 ppm	103.2502 %	97.0014 %	100.0617 %	101.8140 %	89.5060 %	95.9667 %
Concentration per Run 2	0.5120 ppm	104.8506 %	97.1282 %	99.5619 %	104.5503 %	89.5665 %	96.3042 %
Concentration per Run 3	0.5184 ppm	103.7246 %	96.8959 %	98.5640 %	104.0307 %	88.5823 %	96.1206 %
Concentration RSD	0.7 %	0.8 %	0.1 %	0.8 %	1.4 %	0.6 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: WG2116269-10D5 WG2116269
 Analysis started at: 9/24/2025 11:23:58
 Comments: <Comment>
 Rack: 1
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	0.1879 ppm	0.0044 ppm	0.0314 ppm	0.0148 ppm	0.0000 ppm	17.9248 ppm
Concentration per Run 1	0.0002 ppm	0.1941 ppm	0.0044 ppm	0.0310 ppm	0.0151 ppm	0.0001 ppm	18.2982 ppm
Concentration per Run 2	0.0005 ppm	0.1827 ppm	0.0047 ppm	0.0316 ppm	0.0147 ppm	0.0000 ppm	17.7918 ppm
Concentration per Run 3	0.0006 ppm	0.1868 ppm	0.0040 ppm	0.0315 ppm	0.0146 ppm	0.0001 ppm	17.6843 ppm
Concentration RSD	53.5 %	3.1 %	8.7 %	1.1 %	1.7 %	42.7 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0025 ppm	0.3086 ppm	4.1424 ppm	0.0040 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0023 ppm	0.3120 ppm	4.2495 ppm	0.0045 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0026 ppm	0.3081 ppm	4.0959 ppm	0.0043 ppm
Concentration per Run 3	0.0001 ppm	0.0004 ppm	0.0008 ppm	0.0025 ppm	0.3058 ppm	4.0819 ppm	0.0033 ppm
Concentration RSD	55.0 %	95.8 %	30.6 %	5.3 %	1.0 %	2.2 %	15.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.3501 ppm	0.0731 ppm	0.0029 ppm	68.6018 ppm	0.0009 ppm	0.0023 ppm	0.0018 ppm
Concentration per Run 1	7.3606 ppm	0.0744 ppm	0.0033 ppm	69.8663 ppm	0.0009 ppm	0.0011 ppm	0.0019 ppm
Concentration per Run 2	7.3300 ppm	0.0728 ppm	0.0028 ppm	68.1342 ppm	0.0009 ppm	0.0032 ppm	0.0022 ppm
Concentration per Run 3	7.3596 ppm	0.0722 ppm	0.0027 ppm	67.8050 ppm	0.0009 ppm	0.0027 ppm	0.0012 ppm
Concentration RSD	0.2 %	1.6 %	11.9 %	1.6 %	3.6 %	45.7 %	27.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0030 ppm	1.6996 ppm	0.0007 ppm	0.1354 ppm	0.0101 ppm	0.0004 ppm	0.0011 ppm
Concentration per Run 1	0.0041 ppm	1.6887 ppm	0.0012 ppm	0.1377 ppm	0.0101 ppm	-0.0003 ppm	0.0010 ppm
Concentration per Run 2	0.0032 ppm	1.7074 ppm	0.0007 ppm	0.1346 ppm	0.0102 ppm	0.0017 ppm	0.0011 ppm
Concentration per Run 3	0.0018 ppm	1.7027 ppm	0.0002 ppm	0.1340 ppm	0.0100 ppm	-0.0003 ppm	0.0011 ppm
Concentration RSD	39.1 %	0.6 %	71.2 %	1.5 %	0.9 %	323.3 %	7.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0051 ppm	103.5420 %	101.5337 %	104.0350 %	104.7380 %	98.9179 %	102.0678 %
Concentration per Run 1	0.0050 ppm	102.4680 %	101.2187 %	104.5931 %	102.6712 %	99.6396 %	101.7653 %
Concentration per Run 2	0.0052 ppm	104.0041 %	101.7237 %	103.6471 %	105.5374 %	98.5449 %	102.3243 %
Concentration per Run 3	0.0050 ppm	104.1539 %	101.6587 %	103.8648 %	106.0053 %	98.5691 %	102.1136 %
Concentration RSD	2.4 %	0.9 %	0.3 %	0.5 %	1.7 %	0.6 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCV
 Analysis started at: 9/24/2025 11:28:26
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4942 ppm	0.4983 ppm	0.4737 ppm	0.4792 ppm	0.4972 ppm	0.5048 ppm	0.5135 ppm
Concentration per Run 1	0.4929 ppm	0.5035 ppm	0.4750 ppm	0.4805 ppm	0.5081 ppm	0.5157 ppm	0.5232 ppm
Concentration per Run 2	0.4949 ppm	0.4915 ppm	0.4737 ppm	0.4792 ppm	0.4936 ppm	0.5007 ppm	0.5123 ppm
Concentration per Run 3	0.4946 ppm	0.5000 ppm	0.4723 ppm	0.4779 ppm	0.4900 ppm	0.4979 ppm	0.5050 ppm
Recovery Percentage 1	98.831 %	99.664 %	94.733 %	95.837 %	99.446 %	100.953 %	102.701 %
Concentration RSD	0.2 %	1.2 %	0.3 %	0.3 %	1.9 %	1.9 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4845 ppm	0.5059 ppm	0.5012 ppm	0.5028 ppm	0.5156 ppm	5.3054 ppm	0.5121 ppm
Concentration per Run 1	0.4863 ppm	0.5086 ppm	0.4996 ppm	0.5016 ppm	0.5270 ppm	5.4425 ppm	0.5216 ppm
Concentration per Run 2	0.4841 ppm	0.5059 ppm	0.5031 ppm	0.5027 ppm	0.5100 ppm	5.2448 ppm	0.5093 ppm
Concentration per Run 3	0.4831 ppm	0.5033 ppm	0.5008 ppm	0.5041 ppm	0.5097 ppm	5.2287 ppm	0.5053 ppm
Recovery Percentage 1	96.902 %	101.187 %	100.231 %	100.559 %	103.117 %	106.107 %	102.412 %
Concentration RSD	0.3 %	0.5 %	0.4 %	0.2 %	1.9 %	2.2 %	1.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5028 ppm	0.5158 ppm	0.4753 ppm	10.2036 ppm	0.5004 ppm	0.4892 ppm	0.5011 ppm
Concentration per Run 1	0.4974 ppm	0.5277 ppm	0.4763 ppm	10.4227 ppm	0.5018 ppm	0.4897 ppm	0.5030 ppm
Concentration per Run 2	0.5036 ppm	0.5105 ppm	0.4757 ppm	10.1273 ppm	0.5003 ppm	0.4893 ppm	0.5012 ppm
Concentration per Run 3	0.5073 ppm	0.5092 ppm	0.4740 ppm	10.0607 ppm	0.4990 ppm	0.4887 ppm	0.4992 ppm
Recovery Percentage 1	100.557 %	103.155 %	95.067 %	102.036 %	100.076 %	97.846 %	100.221 %
Concentration RSD	1.0 %	2.0 %	0.3 %	1.9 %	0.3 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4742 ppm	5.2884 ppm	0.4911 ppm	0.5050 ppm	0.4949 ppm	0.4995 ppm	0.5063 ppm
Concentration per Run 1	0.4732 ppm	5.3016 ppm	0.4939 ppm	0.5160 ppm	0.4924 ppm	0.5009 ppm	0.5049 ppm
Concentration per Run 2	0.4761 ppm	5.2888 ppm	0.4895 ppm	0.5009 ppm	0.4973 ppm	0.4987 ppm	0.5085 ppm
Concentration per Run 3	0.4735 ppm	5.2748 ppm	0.4900 ppm	0.4982 ppm	0.4950 ppm	0.4990 ppm	0.5056 ppm
Recovery Percentage 1	94.850 %	100.732 %	98.227 %	101.009 %	98.985 %	99.907 %	101.270 %
Concentration RSD	0.3 %	0.3 %	0.5 %	1.9 %	0.5 %	0.2 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4886 ppm	102.4513 %	102.7655 %	105.2119 %	103.7117 %	101.8094 %	103.6491 %
Concentration per Run 1	0.4896 ppm	101.0909 %	103.1543 %	105.1010 %	101.5815 %	101.4150 %	103.9446 %
Concentration per Run 2	0.4883 ppm	103.3532 %	102.3725 %	105.1180 %	104.6712 %	102.0112 %	103.3050 %
Concentration per Run 3	0.4879 ppm	102.9098 %	102.7697 %	105.4166 %	104.8825 %	102.0020 %	103.6978 %
Recovery Percentage 1	97.716 %						
Concentration RSD	0.2 %	1.2 %	0.4 %	0.2 %	1.8 %	0.3 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCB
 Analysis started at: 9/24/2025 11:32:42
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0057 ppm	0.0003 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0074 ppm
Concentration per Run 1	0.0004 ppm	0.0137 ppm	-0.0006 ppm	0.0015 ppm	0.0002 ppm	0.0001 ppm	0.0085 ppm
Concentration per Run 2	0.0002 ppm	-0.0016 ppm	0.0014 ppm	0.0015 ppm	0.0002 ppm	0.0000 ppm	0.0086 ppm
Concentration per Run 3	-0.0001 ppm	0.0051 ppm	0.0002 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0050 ppm
Recovery Percentage 1	3.175 %	5.720 %	6.399 %	4.838 %	1.404 %	0.837 %	7.378 %
Concentration RSD	130.1 %	134.1 %	301.6 %	9.3 %	27.0 %	155.4 %	27.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0007 ppm	0.0073 ppm	0.0008 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0005 ppm	0.0064 ppm	-0.0004 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0006 ppm	-0.0098 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0009 ppm	0.0252 ppm	0.0025 ppm
Recovery Percentage 1	1.477 %	0.660 %	1.363 %	3.864 %	1.342 %	0.291 %	8.027 %
Concentration RSD	99.5 %	65.1 %	49.5 %	12.7 %	26.9 %	241.5 %	187.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0007 ppm	-0.0002 ppm	0.0006 ppm	0.0632 ppm	0.0003 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 1	-0.0043 ppm	-0.0002 ppm	0.0008 ppm	0.0554 ppm	0.0002 ppm	0.0018 ppm	0.0012 ppm
Concentration per Run 2	0.0031 ppm	-0.0002 ppm	0.0006 ppm	0.0688 ppm	0.0003 ppm	0.0004 ppm	-0.0013 ppm
Concentration per Run 3	0.0033 ppm	-0.0002 ppm	0.0004 ppm	0.0656 ppm	0.0005 ppm	0.0009 ppm	0.0002 ppm
Recovery Percentage 1	0.727 %	-2.014 %	1.187 %	3.162 %	1.367 %	10.301 %	0.104 %
Concentration RSD	594.2 %	14.0 %	30.1 %	11.1 %	47.6 %	70.1 %	2,446.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	-0.0017 ppm	0.0005 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0010 ppm	-0.0021 ppm	0.0007 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0003 ppm
Concentration per Run 2	0.0005 ppm	-0.0017 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run 3	0.0017 ppm	-0.0014 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0013 ppm	-0.0003 ppm
Recovery Percentage 1	10.517 %	-0.345 %	1.038 %	0.870 %	1.608 %	0.664 %	-0.168 %
Concentration RSD	58.3 %	21.6 %	107.3 %	24.9 %	22.6 %	774.3 %	1,800.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0002 ppm	104.0495 %	104.9495 %	107.6062 %	103.5762 %	105.2290 %	104.0093 %
Concentration per Run 1	-0.0003 ppm	103.2580 %	105.3632 %	107.5633 %	101.9087 %	105.0714 %	104.3107 %
Concentration per Run 2	-0.0001 ppm	104.2827 %	104.9485 %	107.6284 %	104.2748 %	105.5076 %	104.0308 %
Concentration per Run 3	-0.0001 ppm	104.6078 %	104.5367 %	107.6269 %	104.5451 %	105.1079 %	103.6864 %
Recovery Percentage 1	-3.748 %						
Concentration RSD	46.1 %	0.7 %	0.4 %	0.0 %	1.4 %	0.2 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557863-01 WG2116021
 Analysis started at: 9/24/2025 11:45:09
 Comments: <Comment>
 Rack: 1
 Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0502 ppm	0.0004 ppm	0.0340 ppm	0.0360 ppm	0.0000 ppm	27.9350 ppm
Concentration per Run 1	0.0004 ppm	0.0539 ppm	0.0018 ppm	0.0338 ppm	0.0364 ppm	0.0000 ppm	28.1289 ppm
Concentration per Run 2	0.0003 ppm	0.0516 ppm	-0.0006 ppm	0.0336 ppm	0.0358 ppm	0.0000 ppm	27.9118 ppm
Concentration per Run 3	0.0000 ppm	0.0452 ppm	0.0000 ppm	0.0345 ppm	0.0357 ppm	0.0000 ppm	27.7644 ppm
Concentration RSD	83.7 %	8.9 %	331.8 %	1.4 %	0.9 %	46.9 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0002 ppm	0.0009 ppm	0.0051 ppm	0.0133 ppm	14.2273 ppm	0.0066 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0050 ppm	0.0133 ppm	14.3385 ppm	0.0062 ppm
Concentration per Run 2	0.0001 ppm	0.0003 ppm	0.0010 ppm	0.0052 ppm	0.0131 ppm	14.1862 ppm	0.0061 ppm
Concentration per Run 3	0.0001 ppm	0.0001 ppm	0.0013 ppm	0.0051 ppm	0.0136 ppm	14.1573 ppm	0.0076 ppm
Concentration RSD	32.9 %	62.3 %	46.4 %	2.7 %	1.9 %	0.7 %	13.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.8087 ppm	0.0567 ppm	0.0008 ppm	134.4769 ppm	0.0033 ppm	0.0025 ppm	-0.0004 ppm
Concentration per Run 1	5.7853 ppm	0.0569 ppm	0.0008 ppm	135.8055 ppm	0.0029 ppm	0.0027 ppm	0.0001 ppm
Concentration per Run 2	5.8276 ppm	0.0572 ppm	0.0011 ppm	134.5281 ppm	0.0033 ppm	0.0024 ppm	0.0003 ppm
Concentration per Run 3	5.8132 ppm	0.0559 ppm	0.0007 ppm	133.0973 ppm	0.0036 ppm	0.0025 ppm	-0.0015 ppm
Concentration RSD	0.4 %	1.2 %	22.6 %	1.0 %	10.7 %	6.2 %	250.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0025 ppm	0.6427 ppm	-0.0004 ppm	0.1885 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 1	0.0028 ppm	0.6408 ppm	0.0001 ppm	0.1899 ppm	0.0002 ppm	0.0012 ppm	0.0005 ppm
Concentration per Run 2	0.0044 ppm	0.6372 ppm	-0.0003 ppm	0.1882 ppm	0.0002 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run 3	0.0003 ppm	0.6501 ppm	-0.0011 ppm	0.1874 ppm	0.0002 ppm	-0.0013 ppm	0.0000 ppm
Concentration RSD	83.1 %	1.0 %	142.2 %	0.7 %	12.9 %	4,678.9 %	81.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0518 ppm	103.8568 %	99.3927 %	102.1978 %	103.3954 %	95.2354 %	98.8387 %
Concentration per Run 1	0.0516 ppm	103.4391 %	99.7801 %	102.6375 %	102.4300 %	95.6562 %	99.1754 %
Concentration per Run 2	0.0517 ppm	104.3168 %	99.1595 %	102.9763 %	104.0120 %	95.6754 %	98.6460 %
Concentration per Run 3	0.0520 ppm	103.8144 %	99.2385 %	100.9797 %	103.7443 %	94.3747 %	98.6947 %
Concentration RSD	0.4 %	0.4 %	0.3 %	1.0 %	0.8 %	0.8 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557863-02 WG2116021
 Analysis started at: 9/24/2025 11:49:46
 Comments: <Comment>
 Rack: 1
 Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0196 ppm	0.0021 ppm	0.3907 ppm	0.0336 ppm	0.0000 ppm	23.9911 ppm
Concentration per Run 1	-0.0002 ppm	0.0251 ppm	0.0036 ppm	0.3921 ppm	0.0344 ppm	0.0000 ppm	24.6557 ppm
Concentration per Run 2	0.0000 ppm	0.0143 ppm	0.0016 ppm	0.3912 ppm	0.0332 ppm	0.0000 ppm	23.6931 ppm
Concentration per Run 3	0.0000 ppm	0.0194 ppm	0.0009 ppm	0.3887 ppm	0.0332 ppm	0.0000 ppm	23.6244 ppm
Concentration RSD	205.9 %	27.7 %	67.9 %	0.5 %	2.1 %	110.7 %	2.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0004 ppm	0.0009 ppm	0.0141 ppm	0.0016 ppm	10.5339 ppm	0.0549 ppm
Concentration per Run 1	0.0001 ppm	0.0005 ppm	0.0007 ppm	0.0141 ppm	0.0013 ppm	10.8240 ppm	0.0574 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0007 ppm	0.0141 ppm	0.0025 ppm	10.4416 ppm	0.0543 ppm
Concentration per Run 3	0.0001 ppm	0.0003 ppm	0.0013 ppm	0.0141 ppm	0.0010 ppm	10.3361 ppm	0.0531 ppm
Concentration RSD	28.4 %	29.1 %	38.4 %	0.2 %	52.1 %	2.4 %	4.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.8293 ppm	0.0072 ppm	0.0009 ppm	131.2500 ppm	0.0008 ppm	0.0024 ppm	0.0009 ppm
Concentration per Run 1	4.8313 ppm	0.0078 ppm	0.0008 ppm	134.6748 ppm	0.0012 ppm	0.0023 ppm	0.0009 ppm
Concentration per Run 2	4.8346 ppm	0.0065 ppm	0.0010 ppm	129.8147 ppm	0.0005 ppm	0.0023 ppm	0.0003 ppm
Concentration per Run 3	4.8221 ppm	0.0073 ppm	0.0009 ppm	129.2606 ppm	0.0008 ppm	0.0027 ppm	0.0016 ppm
Concentration RSD	0.1 %	8.8 %	12.0 %	2.3 %	43.1 %	9.0 %	71.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	2.1307 ppm	0.0000 ppm	0.1579 ppm	0.0000 ppm	0.0005 ppm	0.0004 ppm
Concentration per Run 1	0.0026 ppm	2.1375 ppm	0.0003 ppm	0.1619 ppm	0.0000 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run 2	0.0034 ppm	2.1397 ppm	-0.0005 ppm	0.1564 ppm	0.0000 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run 3	-0.0001 ppm	2.1151 ppm	0.0001 ppm	0.1554 ppm	0.0000 ppm	0.0005 ppm	0.0003 ppm
Concentration RSD	93.2 %	0.6 %	1,274.5 %	2.2 %	174.2 %	86.7 %	57.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0116 ppm	102.9981 %	98.9108 %	101.7223 %	101.7126 %	95.1172 %	98.1023 %
Concentration per Run 1	0.0115 ppm	101.4045 %	98.9195 %	101.6476 %	99.1406 %	94.8971 %	97.9177 %
Concentration per Run 2	0.0117 ppm	103.9399 %	98.8967 %	101.3491 %	102.9322 %	94.8348 %	98.1851 %
Concentration per Run 3	0.0116 ppm	103.6500 %	98.9162 %	102.1701 %	103.0650 %	95.6197 %	98.2042 %
Concentration RSD	1.0 %	1.3 %	0.0 %	0.4 %	2.2 %	0.5 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557863-03 WG2116021
 Analysis started at: 9/24/2025 11:54:15
 Comments: <Comment>
 Rack: 1
 Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0125 ppm	0.0019 ppm	0.0337 ppm	0.0345 ppm	0.0000 ppm	27.2978 ppm
Concentration per Run 1	0.0003 ppm	0.0140 ppm	0.0029 ppm	0.0336 ppm	0.0351 ppm	0.0000 ppm	27.9065 ppm
Concentration per Run 2	0.0002 ppm	0.0155 ppm	0.0007 ppm	0.0332 ppm	0.0343 ppm	0.0000 ppm	27.1376 ppm
Concentration per Run 3	0.0000 ppm	0.0081 ppm	0.0020 ppm	0.0344 ppm	0.0341 ppm	0.0001 ppm	26.8494 ppm
Concentration RSD	87.7 %	31.3 %	60.3 %	1.8 %	1.6 %	50.9 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0021 ppm	0.0006 ppm	13.7232 ppm	0.0056 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0021 ppm	0.0014 ppm	13.9634 ppm	0.0056 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0019 ppm	-0.0004 ppm	13.6495 ppm	0.0044 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0023 ppm	0.0008 ppm	13.5567 ppm	0.0067 ppm
Concentration RSD	76.0 %	74.3 %	41.7 %	11.3 %	152.1 %	1.6 %	20.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.7368 ppm	0.0104 ppm	0.0009 ppm	131.3051 ppm	0.0017 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 1	5.7126 ppm	0.0105 ppm	0.0010 ppm	133.8951 ppm	0.0017 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run 2	5.7408 ppm	0.0103 ppm	0.0008 ppm	130.5985 ppm	0.0019 ppm	0.0007 ppm	0.0003 ppm
Concentration per Run 3	5.7569 ppm	0.0105 ppm	0.0009 ppm	129.4218 ppm	0.0014 ppm	0.0016 ppm	-0.0002 ppm
Concentration RSD	0.4 %	1.3 %	12.0 %	1.8 %	16.3 %	90.4 %	8,900.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	0.6024 ppm	-0.0012 ppm	0.1848 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 1	0.0021 ppm	0.6048 ppm	-0.0012 ppm	0.1883 ppm	0.0002 ppm	-0.0003 ppm	0.0003 ppm
Concentration per Run 2	0.0002 ppm	0.5930 ppm	-0.0007 ppm	0.1839 ppm	-0.0003 ppm	-0.0012 ppm	0.0003 ppm
Concentration per Run 3	-0.0017 ppm	0.6092 ppm	-0.0018 ppm	0.1822 ppm	0.0004 ppm	0.0015 ppm	0.0006 ppm
Concentration RSD	770.6 %	1.4 %	43.4 %	1.7 %	536.7 %	9,591.2 %	34.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0020 ppm	105.0803 %	100.9932 %	102.9812 %	104.4489 %	96.5292 %	100.8133 %
Concentration per Run 1	0.0021 ppm	104.2471 %	101.5228 %	102.8378 %	102.3690 %	96.3706 %	101.1459 %
Concentration per Run 2	0.0019 ppm	104.7748 %	100.8080 %	104.0276 %	104.6958 %	97.8895 %	100.5987 %
Concentration per Run 3	0.0020 ppm	106.2188 %	100.6489 %	102.0781 %	106.2818 %	95.3276 %	100.6951 %
Concentration RSD	7.2 %	1.0 %	0.5 %	1.0 %	1.9 %	1.3 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557863-04 WG2116021
 Analysis started at: 9/24/2025 11:58:42
 Comments: <Comment>
 Rack: 1
 Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0237 ppm	0.0022 ppm	0.0326 ppm	0.0357 ppm	0.0001 ppm	27.3158 ppm
Concentration per Run 1	-0.0003 ppm	0.0309 ppm	0.0028 ppm	0.0330 ppm	0.0362 ppm	0.0000 ppm	27.6373 ppm
Concentration per Run 2	0.0003 ppm	0.0129 ppm	0.0024 ppm	0.0326 ppm	0.0354 ppm	0.0000 ppm	27.1376 ppm
Concentration per Run 3	0.0006 ppm	0.0271 ppm	0.0014 ppm	0.0321 ppm	0.0356 ppm	0.0001 ppm	27.1726 ppm
Concentration RSD	244.5 %	40.1 %	32.2 %	1.3 %	1.1 %	84.2 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0005 ppm	0.0015 ppm	0.0019 ppm	0.0064 ppm	13.7154 ppm	0.0064 ppm
Concentration per Run 1	0.0000 ppm	0.0005 ppm	0.0013 ppm	0.0021 ppm	0.0055 ppm	13.8185 ppm	0.0062 ppm
Concentration per Run 2	0.0000 ppm	0.0005 ppm	0.0018 ppm	0.0020 ppm	0.0062 ppm	13.6324 ppm	0.0079 ppm
Concentration per Run 3	0.0001 ppm	0.0004 ppm	0.0013 ppm	0.0017 ppm	0.0074 ppm	13.6954 ppm	0.0051 ppm
Concentration RSD	55.9 %	21.1 %	18.1 %	9.9 %	14.7 %	0.7 %	22.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.7689 ppm	0.0110 ppm	0.0007 ppm	131.3352 ppm	0.0014 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 1	5.7464 ppm	0.0110 ppm	0.0006 ppm	133.0135 ppm	0.0014 ppm	0.0001 ppm	-0.0012 ppm
Concentration per Run 2	5.7670 ppm	0.0113 ppm	0.0006 ppm	130.3343 ppm	0.0017 ppm	0.0012 ppm	0.0005 ppm
Concentration per Run 3	5.7932 ppm	0.0108 ppm	0.0008 ppm	130.6576 ppm	0.0012 ppm	0.0011 ppm	0.0007 ppm
Concentration RSD	0.4 %	2.4 %	17.6 %	1.1 %	19.0 %	78.4 %	28,383.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0021 ppm	0.5972 ppm	-0.0004 ppm	0.1841 ppm	0.0001 ppm	0.0003 ppm	0.0004 ppm
Concentration per Run 1	0.0031 ppm	0.5990 ppm	-0.0014 ppm	0.1856 ppm	-0.0001 ppm	-0.0013 ppm	0.0006 ppm
Concentration per Run 2	0.0023 ppm	0.5966 ppm	-0.0001 ppm	0.1833 ppm	0.0004 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run 3	0.0010 ppm	0.5959 ppm	0.0001 ppm	0.1834 ppm	0.0000 ppm	0.0010 ppm	0.0004 ppm
Concentration RSD	48.9 %	0.3 %	183.7 %	0.7 %	293.4 %	468.8 %	36.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0039 ppm	104.8422 %	100.1746 %	102.9119 %	104.0027 %	96.5214 %	99.8810 %
Concentration per Run 1	0.0038 ppm	104.3601 %	100.5778 %	102.8536 %	102.6421 %	96.3138 %	100.0832 %
Concentration per Run 2	0.0039 ppm	105.5002 %	100.1367 %	102.8491 %	104.8184 %	96.6249 %	99.8914 %
Concentration per Run 3	0.0041 ppm	104.6664 %	99.8094 %	103.0331 %	104.5474 %	96.6255 %	99.6684 %
Concentration RSD	4.5 %	0.6 %	0.4 %	0.1 %	1.1 %	0.2 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2557863-05 WG2116021
 Analysis started at: 9/24/2025 12:03:12
 Comments: <Comment>
 Rack: 1
 Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0662 ppm	0.0025 ppm	0.1220 ppm	0.0286 ppm	0.0000 ppm	14.6893 ppm
Concentration per Run 1	0.0006 ppm	0.0746 ppm	0.0005 ppm	0.1213 ppm	0.0293 ppm	0.0000 ppm	15.0113 ppm
Concentration per Run 2	0.0002 ppm	0.0545 ppm	0.0024 ppm	0.1220 ppm	0.0284 ppm	0.0000 ppm	14.5637 ppm
Concentration per Run 3	0.0002 ppm	0.0693 ppm	0.0047 ppm	0.1226 ppm	0.0282 ppm	0.0001 ppm	14.4929 ppm
Concentration RSD	81.3 %	15.8 %	83.7 %	0.5 %	2.0 %	52.3 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0137 ppm	0.0432 ppm	9.5865 ppm	0.0229 ppm
Concentration per Run 1	0.0001 ppm	0.0004 ppm	0.0007 ppm	0.0138 ppm	0.0437 ppm	9.7993 ppm	0.0229 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0138 ppm	0.0422 ppm	9.5281 ppm	0.0221 ppm
Concentration per Run 3	0.0000 ppm	0.0004 ppm	0.0006 ppm	0.0136 ppm	0.0437 ppm	9.4322 ppm	0.0235 ppm
Concentration RSD	82.0 %	65.0 %	19.3 %	0.9 %	1.9 %	2.0 %	2.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.9717 ppm	0.1003 ppm	0.0009 ppm	119.2923 ppm	0.0020 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 1	9.9541 ppm	0.1025 ppm	0.0010 ppm	121.7271 ppm	0.0016 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 2	9.9750 ppm	0.0993 ppm	0.0011 ppm	118.3308 ppm	0.0020 ppm	0.0020 ppm	0.0008 ppm
Concentration per Run 3	9.9859 ppm	0.0991 ppm	0.0007 ppm	117.8189 ppm	0.0023 ppm	0.0016 ppm	-0.0005 ppm
Concentration RSD	0.2 %	1.9 %	19.9 %	1.8 %	17.1 %	63.8 %	845.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0022 ppm	0.4831 ppm	-0.0001 ppm	0.1331 ppm	0.0001 ppm	0.0007 ppm	0.0003 ppm
Concentration per Run 1	0.0024 ppm	0.4804 ppm	0.0002 ppm	0.1361 ppm	-0.0002 ppm	0.0019 ppm	0.0004 ppm
Concentration per Run 2	-0.0006 ppm	0.4837 ppm	0.0001 ppm	0.1320 ppm	0.0001 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run 3	0.0049 ppm	0.4852 ppm	-0.0005 ppm	0.1313 ppm	0.0003 ppm	-0.0005 ppm	0.0003 ppm
Concentration RSD	123.2 %	0.5 %	527.6 %	1.9 %	309.7 %	176.1 %	28.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0481 ppm	103.7184 %	100.8622 %	103.6644 %	104.0371 %	97.5424 %	101.1974 %
Concentration per Run 1	0.0479 ppm	102.7427 %	101.3136 %	103.7644 %	102.3183 %	97.5916 %	101.5212 %
Concentration per Run 2	0.0483 ppm	104.0152 %	100.7880 %	103.7590 %	104.7079 %	97.6160 %	101.1021 %
Concentration per Run 3	0.0480 ppm	104.3975 %	100.4849 %	103.4699 %	105.0851 %	97.4195 %	100.9690 %
Concentration RSD	0.4 %	0.8 %	0.4 %	0.2 %	1.4 %	0.1 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558548-01 WG2117133
 Analysis started at: 9/24/2025 12:07:39
 Comments: <Comment>
 Rack: 1
 Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0067 ppm	0.0017 ppm	0.0108 ppm	0.0922 ppm	0.0000 ppm	75.0557 ppm
Concentration per Run 1	0.0005 ppm	0.0062 ppm	0.0002 ppm	0.0108 ppm	0.0941 ppm	0.0000 ppm	76.8205 ppm
Concentration per Run 2	-0.0002 ppm	0.0155 ppm	0.0042 ppm	0.0113 ppm	0.0911 ppm	0.0000 ppm	74.2195 ppm
Concentration per Run 3	0.0001 ppm	-0.0017 ppm	0.0006 ppm	0.0104 ppm	0.0912 ppm	0.0000 ppm	74.1271 ppm
Concentration RSD	259.6 %	129.2 %	132.5 %	4.2 %	1.8 %	2,098.5 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0009 ppm	0.0009 ppm	0.0004 ppm	0.9936 ppm	0.0039 ppm
Concentration per Run 1	0.0000 ppm	-0.0004 ppm	0.0011 ppm	0.0007 ppm	-0.0017 ppm	1.0144 ppm	0.0037 ppm
Concentration per Run 2	0.0000 ppm	-0.0004 ppm	0.0009 ppm	0.0009 ppm	0.0002 ppm	0.9734 ppm	0.0031 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	0.0008 ppm	0.0011 ppm	0.0027 ppm	0.9931 ppm	0.0048 ppm
Concentration RSD	303.2 %	33.7 %	17.5 %	20.4 %	495.8 %	2.1 %	22.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.8304 ppm	0.0003 ppm	0.0001 ppm	7.4100 ppm	-0.0004 ppm	0.0029 ppm	-0.0009 ppm
Concentration per Run 1	15.4522 ppm	0.0003 ppm	0.0001 ppm	7.5816 ppm	-0.0003 ppm	0.0030 ppm	-0.0018 ppm
Concentration per Run 2	14.5750 ppm	0.0005 ppm	0.0001 ppm	7.3276 ppm	-0.0006 ppm	0.0027 ppm	-0.0004 ppm
Concentration per Run 3	14.4639 ppm	0.0001 ppm	0.0002 ppm	7.3210 ppm	-0.0002 ppm	0.0029 ppm	-0.0005 ppm
Concentration RSD	3.7 %	65.4 %	44.9 %	2.0 %	57.6 %	3.6 %	87.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0020 ppm	5.1611 ppm	0.0001 ppm	0.1345 ppm	0.0005 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run 1	0.0053 ppm	5.1601 ppm	0.0002 ppm	0.1376 ppm	0.0008 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 2	-0.0003 ppm	5.1716 ppm	-0.0002 ppm	0.1331 ppm	0.0002 ppm	0.0014 ppm	-0.0001 ppm
Concentration per Run 3	0.0009 ppm	5.1515 ppm	0.0002 ppm	0.1327 ppm	0.0004 ppm	0.0009 ppm	0.0002 ppm
Concentration RSD	148.7 %	0.2 %	480.3 %	2.0 %	68.3 %	129.6 %	246.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	104.6814 %	99.5814 %	103.7216 %	104.3131 %	98.8425 %	99.4893 %
Concentration per Run 1	0.0004 ppm	103.7655 %	96.1672 %	103.6458 %	102.5051 %	98.8302 %	96.4230 %
Concentration per Run 2	0.0004 ppm	105.2276 %	100.9145 %	103.9118 %	105.0628 %	98.8210 %	100.5267 %
Concentration per Run 3	0.0002 ppm	105.0511 %	101.6625 %	103.6073 %	105.3716 %	98.8762 %	101.5183 %
Concentration RSD	46.4 %	0.8 %	3.0 %	0.2 %	1.5 %	0.0 %	2.7 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558548-02 WG2117133
 Analysis started at: 9/24/2025 12:12:07
 Comments: <Comment>
 Rack: 1
 Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0099 ppm	0.0021 ppm	0.0110 ppm	0.0926 ppm	0.0000 ppm	75.3230 ppm
Concentration per Run 1	0.0007 ppm	0.0064 ppm	0.0027 ppm	0.0109 ppm	0.0948 ppm	0.0000 ppm	77.2169 ppm
Concentration per Run 2	0.0001 ppm	0.0175 ppm	0.0023 ppm	0.0113 ppm	0.0914 ppm	0.0001 ppm	74.4513 ppm
Concentration per Run 3	0.0001 ppm	0.0057 ppm	0.0013 ppm	0.0107 ppm	0.0916 ppm	0.0000 ppm	74.3007 ppm
Concentration RSD	130.0 %	67.1 %	33.1 %	2.7 %	2.1 %	147.1 %	2.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0009 ppm	0.0012 ppm	-0.0005 ppm	0.9795 ppm	0.0040 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0013 ppm	0.0011 ppm	0.0007 ppm	1.0270 ppm	0.0040 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0011 ppm	-0.0007 ppm	0.9649 ppm	0.0035 ppm
Concentration per Run 3	0.0000 ppm	-0.0004 ppm	0.0010 ppm	0.0013 ppm	-0.0017 ppm	0.9465 ppm	0.0046 ppm
Concentration RSD	380.0 %	57.6 %	40.4 %	9.1 %	228.6 %	4.3 %	13.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.5000 ppm	0.0004 ppm	0.0001 ppm	7.4166 ppm	-0.0002 ppm	0.0033 ppm	-0.0008 ppm
Concentration per Run 1	14.4960 ppm	0.0006 ppm	0.0001 ppm	7.5914 ppm	-0.0001 ppm	0.0039 ppm	-0.0014 ppm
Concentration per Run 2	14.4955 ppm	0.0002 ppm	-0.0001 ppm	7.3331 ppm	-0.0002 ppm	0.0025 ppm	-0.0005 ppm
Concentration per Run 3	14.5084 ppm	0.0004 ppm	0.0002 ppm	7.3252 ppm	-0.0004 ppm	0.0034 ppm	-0.0006 ppm
Concentration RSD	0.1 %	46.8 %	147.5 %	2.0 %	58.1 %	21.5 %	59.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0015 ppm	5.1704 ppm	-0.0004 ppm	0.1347 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0009 ppm	5.1658 ppm	-0.0006 ppm	0.1376 ppm	0.0003 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 2	0.0011 ppm	5.1679 ppm	-0.0005 ppm	0.1333 ppm	0.0000 ppm	-0.0010 ppm	0.0001 ppm
Concentration per Run 3	0.0025 ppm	5.1773 ppm	0.0000 ppm	0.1330 ppm	0.0003 ppm	0.0007 ppm	0.0001 ppm
Concentration RSD	60.0 %	0.1 %	81.3 %	1.9 %	80.6 %	430.3 %	44.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	104.5504 %	101.6844 %	103.7003 %	103.9158 %	98.8721 %	101.5103 %
Concentration per Run 1	0.0003 ppm	103.0872 %	101.7174 %	103.9520 %	101.5586 %	99.0870 %	101.2442 %
Concentration per Run 2	-0.0001 ppm	105.3754 %	101.8907 %	103.6918 %	104.8666 %	98.9142 %	101.7764 %
Concentration per Run 3	0.0000 ppm	105.1886 %	101.4452 %	103.4572 %	105.3223 %	98.6150 %	101.5103 %
Concentration RSD	299.9 %	1.2 %	0.2 %	0.2 %	2.0 %	0.2 %	0.3 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558235-04D5 WG2117286
 Analysis started at: 9/24/2025 12:16:34
 Comments: <Comment>
 Rack: 1
 Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0008 ppm	32.5320 ppm	0.0174 ppm	0.0615 ppm	0.3564 ppm	0.0017 ppm	181.7493 ppm
Concentration per Run 1	-0.0009 ppm	32.6831 ppm	0.0162 ppm	0.0619 ppm	0.3576 ppm	0.0017 ppm	183.0512 ppm
Concentration per Run 2	-0.0009 ppm	32.4939 ppm	0.0166 ppm	0.0611 ppm	0.3560 ppm	0.0017 ppm	181.1006 ppm
Concentration per Run 3	-0.0008 ppm	32.4190 ppm	0.0195 ppm	0.0614 ppm	0.3557 ppm	0.0017 ppm	181.0961 ppm
Concentration RSD	5.5 %	0.4 %	10.4 %	0.7 %	0.3 %	1.0 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0058 ppm	0.0203 ppm	0.9618 ppm	0.1066 ppm	162.3094 ppm	2.3205 ppm	0.0291 ppm
Concentration per Run 1	0.0059 ppm	0.0201 ppm	0.9624 ppm	0.1066 ppm	163.4469 ppm	2.3311 ppm	0.0285 ppm
Concentration per Run 2	0.0056 ppm	0.0204 ppm	0.9231 ppm	0.1030 ppm	161.8385 ppm	2.3092 ppm	0.0297 ppm
Concentration per Run 3	0.0058 ppm	0.0202 ppm	1.0000 ppm	0.1103 ppm	161.6428 ppm	2.3212 ppm	0.0291 ppm
Concentration RSD	2.0 %	0.8 %	4.0 %	3.4 %	0.6 %	0.5 %	2.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	51.2699 ppm	36.7270 [SIC 40]	0.0034 ppm	2.2396 ppm	0.0455 ppm	0.2354 ppm	0.0028 ppm
Concentration per Run 1	51.2798 ppm	37.2491 ppm	0.0035 ppm	2.2560 ppm	0.0449 ppm	0.2347 ppm	0.0044 ppm
Concentration per Run 2	49.2716 ppm	36.5916 ppm	0.0034 ppm	2.2408 ppm	0.0458 ppm	0.2349 ppm	0.0011 ppm
Concentration per Run 3	53.2583 ppm	36.3403 ppm	0.0033 ppm	2.2219 ppm	0.0457 ppm	0.2366 ppm	0.0028 ppm
Concentration RSD	3.9 %	1.3 %	2.9 %	0.8 %	1.1 %	0.4 %	59.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0125 ppm	1.5847 ppm	0.1310 ppm	0.2278 ppm	4.1728 ppm	-0.0250 ppm	2.6638 ppm
Concentration per Run 1	-0.0129 ppm	1.5845 ppm	0.1302 ppm	0.2285 ppm	4.1801 ppm	-0.0244 ppm	2.6675 ppm
Concentration per Run 2	-0.0135 ppm	1.5810 ppm	0.1305 ppm	0.2278 ppm	4.0044 ppm	-0.0251 ppm	2.5579 ppm
Concentration per Run 3	-0.0110 ppm	1.5886 ppm	0.1323 ppm	0.2272 ppm	4.3338 ppm	-0.0253 ppm	2.7659 ppm
Concentration RSD	10.5 %	0.2 %	0.9 %	0.3 %	3.9 %	2.1 %	3.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	2.0158 ppm	109.9226 %	104.0961 %	105.0850 %	106.1364 %	90.8978 %	99.7258 %
Concentration per Run 1	2.0166 ppm	108.6735 %	104.1270 %	105.0962 %	104.9631 %	90.8376 %	99.6925 %
Concentration per Run 2	2.0118 ppm	111.0780 %	107.6232 %	105.2024 %	107.1487 %	91.1250 %	103.7262 %
Concentration per Run 3	2.0191 ppm	110.0162 %	100.5380 %	104.9563 %	106.2973 %	90.7309 %	95.7586 %
Concentration RSD	0.2 %	1.1 %	3.4 %	0.1 %	1.0 %	0.2 %	4.0 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558229-02D20 WG2117286
 Analysis started at: 9/24/2025 12:21:02
 Comments: <Comment>
 Rack: 1
 Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	24.6354 ppm	0.0115 ppm	0.0043 ppm	0.3967 ppm	0.0016 ppm	3.3573 ppm
Concentration per Run 1	-0.0002 ppm	24.3112 ppm	0.0116 ppm	0.0047 ppm	0.3909 ppm	0.0016 ppm	3.3172 ppm
Concentration per Run 2	-0.0004 ppm	25.5258 ppm	0.0106 ppm	0.0044 ppm	0.4114 ppm	0.0016 ppm	3.4718 ppm
Concentration per Run 3	-0.0003 ppm	24.0693 ppm	0.0123 ppm	0.0037 ppm	0.3877 ppm	0.0016 ppm	3.2829 ppm
Concentration RSD	41.1 %	3.2 %	7.4 %	11.8 %	3.2 %	2.6 %	3.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0224 ppm	0.0383 ppm	0.5068 ppm	44.9456 ppm	1.0685 ppm	0.0796 ppm
Concentration per Run 1	0.0001 ppm	0.0222 ppm	0.0381 ppm	0.5087 ppm	44.2988 ppm	1.0600 ppm	0.0772 ppm
Concentration per Run 2	0.0001 ppm	0.0225 ppm	0.0382 ppm	0.5050 ppm	46.6128 ppm	1.0898 ppm	0.0839 ppm
Concentration per Run 3	0.0001 ppm	0.0225 ppm	0.0388 ppm	0.5067 ppm	43.9251 ppm	1.0556 ppm	0.0778 ppm
Concentration RSD	20.9 %	1.0 %	1.0 %	0.4 %	3.2 %	1.7 %	4.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.3334 ppm	4.0612 ppm	0.0004 ppm	0.1343 ppm	0.0370 ppm	0.0199 ppm	0.0000 ppm
Concentration per Run 1	14.3301 ppm	4.0049 ppm	0.0004 ppm	0.1240 ppm	0.0370 ppm	0.0202 ppm	-0.0001 ppm
Concentration per Run 2	14.3400 ppm	4.2060 ppm	0.0006 ppm	0.1413 ppm	0.0365 ppm	0.0207 ppm	-0.0006 ppm
Concentration per Run 3	14.3300 ppm	3.9726 ppm	0.0003 ppm	0.1378 ppm	0.0376 ppm	0.0187 ppm	0.0006 ppm
Concentration RSD	0.0 %	3.1 %	30.3 %	6.8 %	1.5 %	5.3 %	4,977.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	0.2339 ppm	0.0012 ppm	0.0154 ppm	0.1193 ppm	-0.0013 ppm	0.0477 ppm
Concentration per Run 1	0.0012 ppm	0.2326 ppm	0.0007 ppm	0.0151 ppm	0.1196 ppm	-0.0015 ppm	0.0479 ppm
Concentration per Run 2	0.0012 ppm	0.2351 ppm	0.0016 ppm	0.0161 ppm	0.1190 ppm	-0.0021 ppm	0.0475 ppm
Concentration per Run 3	0.0008 ppm	0.2340 ppm	0.0013 ppm	0.0152 ppm	0.1192 ppm	-0.0002 ppm	0.0476 ppm
Concentration RSD	22.2 %	0.5 %	36.4 %	3.5 %	0.2 %	75.6 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1093 ppm	108.5743 %	108.1329 %	110.9823 %	104.4614 %	102.2808 %	104.0978 %
Concentration per Run 1	0.1090 ppm	110.4629 %	108.2232 %	111.1382 %	105.5851 %	102.4671 %	104.0442 %
Concentration per Run 2	0.1095 ppm	105.5289 %	108.0635 %	110.8848 %	101.4920 %	102.2681 %	104.1188 %
Concentration per Run 3	0.1093 ppm	109.7311 %	108.1119 %	110.9238 %	106.3072 %	102.1073 %	104.1303 %
Concentration RSD	0.2 %	2.5 %	0.1 %	0.1 %	2.5 %	0.2 %	0.0 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: L2558235-04D50 WG2117286
 Analysis started at: 9/24/2025 12:29:08
 Comments: rr Mn
 Rack: 1
 Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	3.3616 ppm	0.0025 ppm	0.0058 ppm	0.0372 ppm	0.0002 ppm	19.0797 ppm
Concentration per Run 1	0.0004 ppm	3.4285 ppm	0.0043 ppm	0.0057 ppm	0.0378 ppm	0.0002 ppm	19.3844 ppm
Concentration per Run 2	0.0000 ppm	3.3427 ppm	0.0007 ppm	0.0055 ppm	0.0372 ppm	0.0002 ppm	18.9725 ppm
Concentration per Run 3	0.0002 ppm	3.3137 ppm	0.0023 ppm	0.0062 ppm	0.0366 ppm	0.0003 ppm	18.8821 ppm
Concentration RSD	92.9 %	1.8 %	73.1 %	6.3 %	1.7 %	9.9 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0006 ppm	0.0020 ppm	0.1070 ppm	0.0111 ppm	17.3801 ppm	0.2487 ppm	0.0038 ppm
Concentration per Run 1	0.0007 ppm	0.0019 ppm	0.1058 ppm	0.0113 ppm	17.6661 ppm	0.1945 ppm	0.0038 ppm
Concentration per Run 2	0.0006 ppm	0.0020 ppm	0.1045 ppm	0.0106 ppm	17.2945 ppm	0.2702 ppm	0.0043 ppm
Concentration per Run 3	0.0006 ppm	0.0021 ppm	0.1107 ppm	0.0113 ppm	17.1798 ppm	0.2813 ppm	0.0035 ppm
Concentration RSD	10.0 %	7.2 %	3.0 %	3.9 %	1.5 %	19.0 %	10.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.6139 ppm	3.9055 ppm	0.0003 ppm	0.2499 ppm	0.0044 ppm	0.0251 ppm	0.0002 ppm
Concentration per Run 1	5.5567 ppm	3.9668 ppm	0.0003 ppm	0.2446 ppm	0.0043 ppm	0.0251 ppm	-0.0004 ppm
Concentration per Run 2	5.4760 ppm	3.8836 ppm	0.0002 ppm	0.2514 ppm	0.0050 ppm	0.0250 ppm	-0.0005 ppm
Concentration per Run 3	5.8088 ppm	3.8660 ppm	0.0003 ppm	0.2537 ppm	0.0039 ppm	0.0252 ppm	0.0016 ppm
Concentration RSD	3.1 %	1.4 %	34.7 %	1.9 %	11.9 %	0.5 %	498.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0012 ppm	0.1458 ppm	0.0130 ppm	0.0237 ppm	0.4471 ppm	-0.0016 ppm	0.2913 ppm
Concentration per Run 1	0.0029 ppm	0.1459 ppm	0.0118 ppm	0.0240 ppm	0.4423 ppm	-0.0017 ppm	0.2885 ppm
Concentration per Run 2	0.0005 ppm	0.1460 ppm	0.0142 ppm	0.0237 ppm	0.4361 ppm	-0.0013 ppm	0.2838 ppm
Concentration per Run 3	0.0003 ppm	0.1455 ppm	0.0129 ppm	0.0236 ppm	0.4631 ppm	-0.0020 ppm	0.3017 ppm
Concentration RSD	116.1 %	0.2 %	9.4 %	0.9 %	3.2 %	21.7 %	3.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2032 ppm	105.4879 %	103.6108 %	107.1525 %	104.5628 %	102.7545 %	102.9840 %
Concentration per Run 1	0.2028 ppm	104.3651 %	104.7851 %	107.6236 %	103.1653 %	103.0644 %	103.8549 %
Concentration per Run 2	0.2027 ppm	106.2254 %	105.7438 %	107.5458 %	105.1829 %	103.0664 %	105.5285 %
Concentration per Run 3	0.2041 ppm	105.8732 %	100.3033 %	106.2880 %	105.3402 %	102.1327 %	99.5686 %
Concentration RSD	0.4 %	0.9 %	2.8 %	0.7 %	1.2 %	0.5 %	3.0 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCV
 Analysis started at: 9/24/2025 12:33:32
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4891 ppm	0.4916 ppm	0.4631 ppm	0.4684 ppm	0.4899 ppm	0.4937 ppm	0.5180 ppm
Concentration per Run 1	0.4887 ppm	0.5042 ppm	0.4615 ppm	0.4678 ppm	0.4997 ppm	0.5045 ppm	0.5302 ppm
Concentration per Run 2	0.4908 ppm	0.4881 ppm	0.4640 ppm	0.4689 ppm	0.4865 ppm	0.4900 ppm	0.5116 ppm
Concentration per Run 3	0.4878 ppm	0.4826 ppm	0.4640 ppm	0.4685 ppm	0.4834 ppm	0.4865 ppm	0.5121 ppm
Recovery Percentage 1	97.817 %	98.328 %	92.629 %	93.680 %	97.972 %	98.733 %	103.595 %
Concentration RSD	0.3 %	2.3 %	0.3 %	0.1 %	1.8 %	1.9 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4759 ppm	0.4981 ppm	0.4924 ppm	0.4969 ppm	0.5068 ppm	5.1489 ppm	0.5026 ppm
Concentration per Run 1	0.4758 ppm	0.4973 ppm	0.4916 ppm	0.4967 ppm	0.5179 ppm	5.2840 ppm	0.5135 ppm
Concentration per Run 2	0.4766 ppm	0.4992 ppm	0.4949 ppm	0.4981 ppm	0.5045 ppm	5.0816 ppm	0.4992 ppm
Concentration per Run 3	0.4752 ppm	0.4979 ppm	0.4906 ppm	0.4960 ppm	0.4979 ppm	5.0812 ppm	0.4950 ppm
Recovery Percentage 1	95.177 %	99.630 %	98.471 %	99.380 %	101.360 %	102.978 %	100.513 %
Concentration RSD	0.2 %	0.2 %	0.5 %	0.2 %	2.0 %	2.3 %	1.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4925 ppm	0.5046 ppm	0.4664 ppm	10.0461 ppm	0.4889 ppm	0.4806 ppm	0.4910 ppm
Concentration per Run 1	0.4909 ppm	0.5157 ppm	0.4655 ppm	10.2563 ppm	0.4888 ppm	0.4787 ppm	0.4896 ppm
Concentration per Run 2	0.4945 ppm	0.5015 ppm	0.4679 ppm	9.9749 ppm	0.4898 ppm	0.4816 ppm	0.4927 ppm
Concentration per Run 3	0.4920 ppm	0.4967 ppm	0.4658 ppm	9.9070 ppm	0.4880 ppm	0.4816 ppm	0.4906 ppm
Recovery Percentage 1	98.492 %	100.926 %	93.279 %	100.461 %	97.779 %	96.128 %	98.190 %
Concentration RSD	0.4 %	2.0 %	0.3 %	1.8 %	0.2 %	0.3 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4629 ppm	5.1701 ppm	0.4821 ppm	0.4951 ppm	0.4817 ppm	0.4916 ppm	0.4948 ppm
Concentration per Run 1	0.4623 ppm	5.1627 ppm	0.4808 ppm	0.5050 ppm	0.4807 ppm	0.4918 ppm	0.4935 ppm
Concentration per Run 2	0.4623 ppm	5.1776 ppm	0.4823 ppm	0.4917 ppm	0.4831 ppm	0.4925 ppm	0.4970 ppm
Concentration per Run 3	0.4642 ppm	5.1700 ppm	0.4830 ppm	0.4888 ppm	0.4814 ppm	0.4907 ppm	0.4940 ppm
Recovery Percentage 1	92.582 %	98.478 %	96.411 %	99.026 %	96.346 %	98.326 %	98.964 %
Concentration RSD	0.2 %	0.1 %	0.2 %	1.7 %	0.3 %	0.2 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4787 ppm	105.0539 %	104.4488 %	107.3534 %	105.1881 %	103.4776 %	104.4994 %
Concentration per Run 1	0.4780 ppm	103.3240 %	104.7525 %	107.5586 %	102.5448 %	103.6624 %	104.6460 %
Concentration per Run 2	0.4801 ppm	105.5552 %	104.1543 %	107.2700 %	106.1643 %	103.2721 %	104.3163 %
Concentration per Run 3	0.4780 ppm	106.2825 %	104.4395 %	107.2317 %	106.8552 %	103.4982 %	104.5359 %
Recovery Percentage 1	95.747 %						
Concentration RSD	0.3 %	1.5 %	0.3 %	0.2 %	2.2 %	0.2 %	0.2 %

ICP Data Trace 7

9/24/2025 13:28:31



LabBook: WG2118517_09232025T7.imexp

Sample: CCB
 Analysis started at: 9/24/2025 12:37:48
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0005 ppm	0.0050 ppm	0.0018 ppm	0.0006 ppm	0.0001 ppm	0.0001 ppm	0.0041 ppm
Concentration per Run 1	0.0011 ppm	0.0145 ppm	0.0007 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0107 ppm
Concentration per Run 2	0.0001 ppm	-0.0058 ppm	0.0033 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 3	0.0004 ppm	0.0062 ppm	0.0013 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0012 ppm
Recovery Percentage 1	10.105 %	4.968 %	35.015 %	1.980 %	0.675 %	1.822 %	4.084 %
Concentration RSD	100.7 %	205.5 %	77.1 %	77.7 %	228.3 %	65.3 %	141.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0007 ppm	0.0004 ppm	0.0019 ppm	0.0006 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0009 ppm	0.0014 ppm	0.0041 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm	-0.0005 ppm	-0.0031 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0003 ppm	0.0045 ppm	0.0001 ppm
Recovery Percentage 1	1.317 %	0.946 %	1.268 %	6.571 %	0.840 %	0.074 %	5.702 %
Concentration RSD	45.2 %	241.4 %	191.1 %	27.0 %	226.8 %	230.3 %	78.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0012 ppm	-0.0001 ppm	0.0004 ppm	0.0199 ppm	0.0008 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run 1	-0.0004 ppm	0.0003 ppm	0.0005 ppm	0.0141 ppm	0.0007 ppm	0.0003 ppm	-0.0015 ppm
Concentration per Run 2	0.0019 ppm	-0.0003 ppm	0.0006 ppm	0.0323 ppm	0.0005 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 3	0.0021 ppm	-0.0003 ppm	0.0001 ppm	0.0135 ppm	0.0012 ppm	0.0012 ppm	0.0009 ppm
Recovery Percentage 1	1.186 %	-1.004 %	0.799 %	0.997 %	3.167 %	6.057 %	-0.296 %
Concentration RSD	118.4 %	324.0 %	55.7 %	53.6 %	43.9 %	88.0 %	825.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0022 ppm	-0.0018 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run 1	0.0028 ppm	-0.0019 ppm	-0.0007 ppm	0.0001 ppm	-0.0001 ppm	0.0012 ppm	-0.0001 ppm
Concentration per Run 2	-0.0001 ppm	-0.0020 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run 3	0.0037 ppm	-0.0016 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0011 ppm	0.0002 ppm
Recovery Percentage 1	21.612 %	-0.366 %	-0.450 %	1.437 %	-0.329 %	4.734 %	-0.057 %
Concentration RSD	91.6 %	10.8 %	199.0 %	38.1 %	264.8 %	36.8 %	2,461.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0002 ppm	103.4280 %	104.5087 %	105.3853 %	103.5525 %	103.8914 %	104.3876 %
Concentration per Run 1	-0.0002 ppm	102.0493 %	105.0954 %	105.6610 %	101.1827 %	103.8968 %	104.8134 %
Concentration per Run 2	-0.0004 ppm	104.1138 %	104.5688 %	105.3057 %	104.6147 %	104.2309 %	104.4672 %
Concentration per Run 3	-0.0001 ppm	104.1208 %	103.8620 %	105.1893 %	104.8602 %	103.5465 %	103.8822 %
Recovery Percentage 1	-4.498 %						
Concentration RSD	76.3 %	1.2 %	0.6 %	0.2 %	2.0 %	0.3 %	0.5 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: Blank JMF Trace7
 Analysis started at: 9/24/2025 14:11:46
 Comments: <Comment>
 Rack: 0
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-1.0 %	-0.1 %	0.4 %	0.0 %	0.3 %	-1.4 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.4 %	0.4 %	0.2 %	0.0 %	-201.0 %	0.8 %	-0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.2 %	0.9 %	0.4 %	-0.2 %	-0.2 %	0.1 %	0.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.6 %	0.1 %	0.2 %	-0.1 %	-0.2 %	-0.2 %	-0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.5 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: ICAL
Analysis started at: 9/24/2025 14:16:16
Comments: <Comment>
Rack: 0
Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	1.0006 ppm	25.5255 ppm	1.0275 ppm	1.0302 ppm	1.0213 ppm	1.0222 ppm	10.2322 ppm
Concentration per Run 2	1.0026 ppm	24.6988 ppm	0.9944 ppm	0.9932 ppm	0.9879 ppm	0.9883 ppm	9.8773 ppm
Concentration per Run 3	0.9968 ppm	24.7757 ppm	0.9781 ppm	0.9766 ppm	0.9908 ppm	0.9896 ppm	9.8905 ppm
Concentration RSD	0.3 %	1.8 %	2.5 %	2.7 %	1.9 %	1.9 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	1.0316 ppm	1.0312 ppm	1.0017 ppm	0.9995 ppm	25.5522 ppm	35.7306 ppm	1.0194 ppm
Concentration per Run 2	0.9935 ppm	0.9927 ppm	1.0015 ppm	1.0043 ppm	24.7107 ppm	34.5808 ppm	0.9909 ppm
Concentration per Run 3	0.9749 ppm	0.9761 ppm	0.9969 ppm	0.9962 ppm	24.7371 ppm	34.6886 ppm	0.9897 ppm
Concentration RSD	2.9 %	2.8 %	0.3 %	0.4 %	1.9 %	1.8 %	1.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	10.0211 ppm	1.0203 ppm	1.0285 ppm	25.4945 ppm	1.0318 ppm	1.0301 ppm	1.0304 ppm
Concentration per Run 2	10.0077 ppm	0.9895 ppm	0.9952 ppm	24.7262 ppm	0.9946 ppm	0.9929 ppm	0.9929 ppm
Concentration per Run 3	9.9713 ppm	0.9901 ppm	0.9762 ppm	24.7793 ppm	0.9736 ppm	0.9770 ppm	0.9766 ppm
Concentration RSD	0.3 %	1.8 %	2.6 %	1.7 %	3.0 %	2.7 %	2.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	1.0298 ppm	10.3047 ppm	1.0321 ppm	1.0214 ppm	1.0005 ppm	1.0301 ppm	1.0020 ppm
Concentration per Run 2	0.9983 ppm	9.9296 ppm	0.9931 ppm	0.9877 ppm	1.0031 ppm	0.9943 ppm	1.0024 ppm
Concentration per Run 3	0.9719 ppm	9.7656 ppm	0.9748 ppm	0.9910 ppm	0.9964 ppm	0.9755 ppm	0.9956 ppm
Concentration RSD	2.9 %	2.8 %	2.9 %	1.9 %	0.3 %	2.8 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0000 ppm	100.4036 %	97.5955 %	100.9619 %	102.4535 %	96.9858 %	99.3453 %
Concentration per Run 1	1.0313 ppm	99.2652 %	97.6927 %	98.4235 %	100.5702 %	94.3892 %	99.3177 %
Concentration per Run 2	0.9934 ppm	101.1140 %	97.4061 %	101.4714 %	103.2669 %	97.5157 %	99.1512 %
Concentration per Run 3	0.9753 ppm	100.8316 %	97.6876 %	102.9908 %	103.5234 %	99.0525 %	99.5668 %
Concentration RSD	2.9 %	1.0 %	0.2 %	2.3 %	1.6 %	2.5 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: ICV
Analysis started at: 9/24/2025 14:20:26
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4748 ppm	0.4786 ppm	0.4742 ppm	0.4831 ppm	0.4779 ppm	0.4894 ppm	0.5015 ppm
Concentration per Run 1	0.4753 ppm	0.4868 ppm	0.4717 ppm	0.4822 ppm	0.4817 ppm	0.4937 ppm	0.5068 ppm
Concentration per Run 2	0.4737 ppm	0.4777 ppm	0.4762 ppm	0.4826 ppm	0.4762 ppm	0.4872 ppm	0.5011 ppm
Concentration per Run 3	0.4754 ppm	0.4713 ppm	0.4746 ppm	0.4847 ppm	0.4759 ppm	0.4872 ppm	0.4965 ppm
Recovery Percentage 1	94.959 %	95.723 %	94.836 %	96.629 %	95.584 %	97.881 %	100.293 %
Concentration RSD	0.2 %	1.6 %	0.5 %	0.3 %	0.7 %	0.8 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4926 ppm	0.5002 ppm	0.4875 ppm	0.4892 ppm	0.4945 ppm	4.9322 ppm	0.4926 ppm
Concentration per Run 1	0.4910 ppm	0.4989 ppm	0.4874 ppm	0.4904 ppm	0.5005 ppm	5.0246 ppm	0.4951 ppm
Concentration per Run 2	0.4936 ppm	0.5015 ppm	0.4873 ppm	0.4872 ppm	0.4912 ppm	4.8826 ppm	0.4897 ppm
Concentration per Run 3	0.4931 ppm	0.5002 ppm	0.4878 ppm	0.4900 ppm	0.4916 ppm	4.8893 ppm	0.4930 ppm
Recovery Percentage 1	98.514 %	100.037 %	97.502 %	97.833 %	98.890 %	98.643 %	98.520 %
Concentration RSD	0.3 %	0.3 %	0.1 %	0.4 %	1.1 %	1.6 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4845 ppm	0.4925 ppm	0.4866 ppm	9.7422 ppm	0.4998 ppm	0.5019 ppm	0.5028 ppm
Concentration per Run 1	0.4846 ppm	0.4965 ppm	0.4853 ppm	9.8269 ppm	0.4983 ppm	0.5007 ppm	0.5032 ppm
Concentration per Run 2	0.4847 ppm	0.4907 ppm	0.4871 ppm	9.6890 ppm	0.5002 ppm	0.5028 ppm	0.5041 ppm
Concentration per Run 3	0.4842 ppm	0.4903 ppm	0.4874 ppm	9.7107 ppm	0.5010 ppm	0.5023 ppm	0.5012 ppm
Recovery Percentage 1	96.895 %	98.500 %	97.322 %	97.422 %	99.966 %	100.389 %	100.570 %
Concentration RSD	0.1 %	0.7 %	0.2 %	0.8 %	0.3 %	0.2 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4853 ppm	5.4079 ppm	0.4916 ppm	0.4819 ppm	0.4776 ppm	0.5113 ppm	0.4855 ppm
Concentration per Run 1	0.4827 ppm	5.3930 ppm	0.4909 ppm	0.4859 ppm	0.4778 ppm	0.5116 ppm	0.4863 ppm
Concentration per Run 2	0.4881 ppm	5.4071 ppm	0.4930 ppm	0.4800 ppm	0.4770 ppm	0.5121 ppm	0.4852 ppm
Concentration per Run 3	0.4851 ppm	5.4237 ppm	0.4910 ppm	0.4797 ppm	0.4779 ppm	0.5101 ppm	0.4850 ppm
Recovery Percentage 1	97.062 %	103.008 %	98.327 %	96.372 %	95.510 %	102.254 %	97.100 %
Concentration RSD	0.6 %	0.3 %	0.2 %	0.7 %	0.1 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4965 ppm	105.6234 %	103.6740 %	103.0249 %	105.4775 %	101.8556 %	104.1517 %
Concentration per Run 1	0.4948 ppm	104.9986 %	103.6501 %	103.1676 %	104.3307 %	102.1321 %	103.9962 %
Concentration per Run 2	0.4975 ppm	106.1879 %	103.8902 %	103.1215 %	106.2894 %	101.7753 %	104.4140 %
Concentration per Run 3	0.4973 ppm	105.6837 %	103.4817 %	102.7856 %	105.8122 %	101.6595 %	104.0449 %
Recovery Percentage 1	99.306 %						
Concentration RSD	0.3 %	0.6 %	0.2 %	0.2 %	1.0 %	0.2 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: ICB
Analysis started at: 9/24/2025 14:24:42
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0005 ppm	-0.0017 ppm	0.0014 ppm	-0.0001 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0035 ppm	-0.0021 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	-0.0021 ppm
Concentration per Run 2	0.0000 ppm	-0.0019 ppm	-0.0035 ppm	0.0016 ppm	-0.0002 ppm	0.0001 ppm	-0.0048 ppm
Concentration per Run 3	0.0003 ppm	-0.0001 ppm	0.0004 ppm	0.0012 ppm	-0.0002 ppm	0.0001 ppm	0.0062 ppm
Recovery Percentage 1	2.299 %	0.497 %	-34.076 %	4.549 %	-1.452 %	1.555 %	-0.248 %
Concentration RSD	124.9 %	556.3 %	117.0 %	13.7 %	79.4 %	37.7 %	2,323.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0010 ppm	0.0073 ppm	-0.0014 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0012 ppm	-0.0081 ppm	-0.0018 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	-0.0002 ppm	0.0006 ppm	0.0058 ppm	-0.0007 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0012 ppm	0.0243 ppm	-0.0016 ppm
Recovery Percentage 1	-0.948 %	-1.269 %	-0.157 %	-0.669 %	1.988 %	0.293 %	-13.750 %
Concentration RSD	83.3 %	106.4 %	1,120.0 %	134.2 %	31.5 %	222.1 %	43.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0045 ppm	0.0000 ppm	0.0005 ppm	0.0007 ppm	-0.0002 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run 1	0.0061 ppm	0.0002 ppm	0.0006 ppm	0.0090 ppm	-0.0006 ppm	-0.0002 ppm	0.0024 ppm
Concentration per Run 2	0.0040 ppm	-0.0001 ppm	0.0004 ppm	-0.0036 ppm	0.0000 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run 3	0.0035 ppm	-0.0002 ppm	0.0005 ppm	-0.0032 ppm	0.0001 ppm	-0.0006 ppm	-0.0009 ppm
Recovery Percentage 1	4.524 %	-0.457 %	0.937 %	0.037 %	-0.640 %	1.350 %	1.181 %
Concentration RSD	30.3 %	411.6 %	20.6 %	960.9 %	246.8 %	712.1 %	282.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0016 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run 1	-0.0031 ppm	0.0006 ppm	-0.0002 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 2	-0.0010 ppm	-0.0009 ppm	0.0008 ppm	-0.0001 ppm	0.0001 ppm	0.0018 ppm	0.0004 ppm
Concentration per Run 3	-0.0008 ppm	0.0013 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0011 ppm	0.0002 ppm
Recovery Percentage 1	-16.205 %	0.067 %	0.491 %	-0.183 %	0.985 %	4.410 %	2.581 %
Concentration RSD	78.7 %	342.2 %	198.9 %	248.0 %	102.8 %	115.5 %	41.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	105.2362 %	104.4763 %	103.3731 %	104.4027 %	104.0148 %	104.1234 %
Concentration per Run 1	0.0001 ppm	104.6165 %	104.8176 %	103.3677 %	103.2315 %	103.9277 %	104.3623 %
Concentration per Run 2	-0.0001 ppm	105.4524 %	104.4354 %	103.4655 %	104.7574 %	104.2573 %	104.1923 %
Concentration per Run 3	0.0000 ppm	105.6398 %	104.1758 %	103.2860 %	105.2194 %	103.8595 %	103.8156 %
Recovery Percentage 1	0.289 %						
Concentration RSD	562.7 %	0.5 %	0.3 %	0.1 %	1.0 %	0.2 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: ICV
Analysis started at: 9/24/2025 14:29:14
Comments: <Comment>
Rack: 0
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4827 ppm	0.4927 ppm	0.4849 ppm	0.4898 ppm	0.4916 ppm	0.5052 ppm	0.5234 ppm
Concentration per Run 1	0.4829 ppm	0.5193 ppm	0.4821 ppm	0.4886 ppm	0.5176 ppm	0.5321 ppm	0.5503 ppm
Concentration per Run 2	0.4833 ppm	0.4781 ppm	0.4846 ppm	0.4889 ppm	0.4781 ppm	0.4916 ppm	0.5082 ppm
Concentration per Run 3	0.4818 ppm	0.4808 ppm	0.4881 ppm	0.4919 ppm	0.4790 ppm	0.4918 ppm	0.5118 ppm
Recovery Percentage 1	96.530 %	98.542 %	96.986 %	97.962 %	98.319 %	101.033 %	104.682 %
Concentration RSD	0.2 %	4.7 %	0.6 %	0.4 %	4.6 %	4.6 %	4.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4991 ppm	0.5048 ppm	0.4974 ppm	0.4965 ppm	0.5068 ppm	5.0593 ppm	0.5123 ppm
Concentration per Run 1	0.4994 ppm	0.5047 ppm	0.4971 ppm	0.4967 ppm	0.5324 ppm	5.3036 ppm	0.5388 ppm
Concentration per Run 2	0.4987 ppm	0.5043 ppm	0.4985 ppm	0.4960 ppm	0.4954 ppm	4.9393 ppm	0.4982 ppm
Concentration per Run 3	0.4993 ppm	0.5052 ppm	0.4967 ppm	0.4967 ppm	0.4925 ppm	4.9351 ppm	0.4998 ppm
Recovery Percentage 1	99.822 %	100.952 %	99.489 %	99.294 %	101.356 %	101.187 %	102.453 %
Concentration RSD	0.1 %	0.1 %	0.2 %	0.1 %	4.4 %	4.2 %	4.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4949 ppm	0.5067 ppm	0.4935 ppm	9.9794 ppm	0.5074 ppm	0.5110 ppm	0.5107 ppm
Concentration per Run 1	0.4973 ppm	0.5346 ppm	0.4925 ppm	10.4708 ppm	0.5078 ppm	0.5115 ppm	0.5112 ppm
Concentration per Run 2	0.4977 ppm	0.4928 ppm	0.4923 ppm	9.7224 ppm	0.5058 ppm	0.5093 ppm	0.5093 ppm
Concentration per Run 3	0.4896 ppm	0.4927 ppm	0.4957 ppm	9.7450 ppm	0.5086 ppm	0.5121 ppm	0.5117 ppm
Recovery Percentage 1	98.971 %	101.339 %	98.704 %	99.794 %	101.484 %	102.191 %	102.148 %
Concentration RSD	0.9 %	4.8 %	0.4 %	4.3 %	0.3 %	0.3 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4913 ppm	5.4995 ppm	0.4974 ppm	0.4996 ppm	0.4889 ppm	0.5163 ppm	0.4956 ppm
Concentration per Run 1	0.4903 ppm	5.4928 ppm	0.4971 ppm	0.5258 ppm	0.4888 ppm	0.5151 ppm	0.4952 ppm
Concentration per Run 2	0.4921 ppm	5.4887 ppm	0.4971 ppm	0.4858 ppm	0.4891 ppm	0.5142 ppm	0.4963 ppm
Concentration per Run 3	0.4915 ppm	5.5170 ppm	0.4979 ppm	0.4872 ppm	0.4888 ppm	0.5196 ppm	0.4953 ppm
Recovery Percentage 1	98.261 %	104.752 %	99.474 %	99.918 %	97.776 %	103.260 %	99.118 %
Concentration RSD	0.2 %	0.3 %	0.1 %	4.5 %	0.0 %	0.6 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5042 ppm	103.4867 %	102.6903 %	101.6125 %	103.9849 %	101.1812 %	103.8203 %
Concentration per Run 1	0.5045 ppm	99.2225 %	102.8345 %	101.8755 %	99.4081 %	101.2988 %	103.9347 %
Concentration per Run 2	0.5040 ppm	105.7224 %	102.2274 %	101.5247 %	106.4601 %	101.2633 %	103.3561 %
Concentration per Run 3	0.5040 ppm	105.5151 %	103.0090 %	101.4372 %	106.0866 %	100.9814 %	104.1701 %
Recovery Percentage 1	100.835 %						
Concentration RSD	0.1 %	3.6 %	0.4 %	0.2 %	3.8 %	0.2 %	0.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: ICB
Analysis started at: 9/24/2025 14:33:34
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	0.0025 ppm	-0.0018 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	-0.0020 ppm
Concentration per Run 1	0.0001 ppm	0.0102 ppm	-0.0014 ppm	0.0016 ppm	-0.0001 ppm	0.0000 ppm	-0.0047 ppm
Concentration per Run 2	-0.0001 ppm	0.0031 ppm	-0.0017 ppm	0.0016 ppm	0.0000 ppm	0.0000 ppm	0.0029 ppm
Concentration per Run 3	0.0011 ppm	-0.0059 ppm	-0.0024 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	-0.0041 ppm
Recovery Percentage 1	7.729 %	2.461 %	-36.929 %	4.311 %	-0.558 %	0.203 %	-1.969 %
Concentration RSD	154.1 %	328.1 %	27.1 %	43.1 %	169.1 %	353.1 %	216.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0003 ppm	-0.0084 ppm	-0.0011 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	0.0001 ppm	0.0004 ppm	-0.0058 ppm	-0.0023 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm	-0.0146 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0049 ppm	-0.0010 ppm
Recovery Percentage 1	-0.835 %	-0.684 %	-1.720 %	0.216 %	0.579 %	-0.338 %	-11.038 %
Concentration RSD	34.1 %	161.9 %	126.7 %	239.4 %	118.5 %	63.6 %	104.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0041 ppm	-0.0001 ppm	0.0004 ppm	0.0035 ppm	0.0003 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run 1	0.0033 ppm	0.0000 ppm	0.0006 ppm	0.0054 ppm	0.0003 ppm	-0.0007 ppm	-0.0006 ppm
Concentration per Run 2	0.0031 ppm	0.0003 ppm	0.0004 ppm	0.0033 ppm	0.0003 ppm	0.0006 ppm	-0.0006 ppm
Concentration per Run 3	0.0060 ppm	-0.0005 ppm	0.0002 ppm	0.0018 ppm	0.0001 ppm	0.0008 ppm	0.0005 ppm
Recovery Percentage 1	4.110 %	-0.829 %	0.827 %	0.175 %	1.009 %	2.154 %	-0.448 %
Concentration RSD	39.4 %	443.3 %	55.5 %	51.2 %	43.8 %	359.2 %	284.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0020 ppm	0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0003 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 1	-0.0045 ppm	0.0006 ppm	0.0009 ppm	-0.0001 ppm	0.0001 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run 2	0.0009 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 3	-0.0025 ppm	-0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0007 ppm	0.0000 ppm
Recovery Percentage 1	-20.347 %	0.024 %	0.812 %	-0.023 %	2.871 %	4.113 %	0.311 %
Concentration RSD	133.6 %	345.2 %	121.9 %	3,368.1 %	45.5 %	69.0 %	282.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	105.9537 %	103.6015 %	102.2757 %	105.0105 %	103.2284 %	103.3492 %
Concentration per Run 1	0.0000 ppm	105.9338 %	103.6186 %	102.8482 %	104.2948 %	103.6772 %	103.2345 %
Concentration per Run 2	-0.0001 ppm	105.7342 %	103.4650 %	101.6705 %	105.0338 %	102.7170 %	103.1805 %
Concentration per Run 3	0.0001 ppm	106.1930 %	103.7207 %	102.3086 %	105.7027 %	103.2909 %	103.6325 %
Recovery Percentage 1	-0.574 %						
Concentration RSD	274.0 %	0.2 %	0.1 %	0.6 %	0.7 %	0.5 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: LLOQ
Analysis started at: 9/24/2025 14:38:08
Comments: <Comment>
Rack: 0
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0051 ppm	0.1005 ppm	0.0042 ppm	0.0336 ppm	0.0097 ppm	0.0050 ppm	0.1040 ppm
Concentration per Run 1	0.0052 ppm	0.1014 ppm	0.0041 ppm	0.0339 ppm	0.0099 ppm	0.0050 ppm	0.1094 ppm
Concentration per Run 2	0.0048 ppm	0.1094 ppm	0.0036 ppm	0.0335 ppm	0.0096 ppm	0.0050 ppm	0.1062 ppm
Concentration per Run 3	0.0053 ppm	0.0906 ppm	0.0050 ppm	0.0333 ppm	0.0097 ppm	0.0050 ppm	0.0964 ppm
Recovery Percentage 1	102.282 %	100.463 %	84.638 %	111.947 %	97.308 %	99.986 %	104.038 %
Concentration RSD	4.7 %	9.4 %	15.9 %	0.8 %	1.8 %	0.4 %	6.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0040 ppm	0.0098 ppm	0.0098 ppm	0.0100 ppm	0.1473 ppm	2.4549 ppm	0.0088 ppm
Concentration per Run 1	0.0040 ppm	0.0097 ppm	0.0096 ppm	0.0101 ppm	0.1482 ppm	2.4884 ppm	0.0085 ppm
Concentration per Run 2	0.0039 ppm	0.0096 ppm	0.0098 ppm	0.0101 ppm	0.1465 ppm	2.4606 ppm	0.0098 ppm
Concentration per Run 3	0.0040 ppm	0.0101 ppm	0.0100 ppm	0.0099 ppm	0.1474 ppm	2.4157 ppm	0.0082 ppm
Recovery Percentage 1	99.051 %	98.135 %	98.318 %	100.408 %	294.674 %	98.195 %	88.367 %
Concentration RSD	1.7 %	2.5 %	2.2 %	1.1 %	0.6 %	1.5 %	9.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1008 ppm	0.0100 ppm	0.0489 ppm	1.9131 ppm	0.0193 ppm	0.0097 ppm	0.0515 ppm
Concentration per Run 1	0.1012 ppm	0.0104 ppm	0.0488 ppm	1.9260 ppm	0.0191 ppm	0.0092 ppm	0.0511 ppm
Concentration per Run 2	0.1027 ppm	0.0096 ppm	0.0489 ppm	1.9019 ppm	0.0194 ppm	0.0104 ppm	0.0524 ppm
Concentration per Run 3	0.0986 ppm	0.0101 ppm	0.0490 ppm	1.9113 ppm	0.0196 ppm	0.0096 ppm	0.0509 ppm
Recovery Percentage 1	100.833 %	100.469 %	97.820 %	95.653 %	96.745 %	97.393 %	102.928 %
Concentration RSD	2.0 %	3.8 %	0.3 %	0.6 %	1.3 %	5.9 %	1.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0091 ppm	0.5288 ppm	0.0504 ppm	0.0096 ppm	0.0097 ppm	0.0209 ppm	0.0097 ppm
Concentration per Run 1	0.0092 ppm	0.5278 ppm	0.0501 ppm	0.0097 ppm	0.0096 ppm	0.0203 ppm	0.0094 ppm
Concentration per Run 2	0.0059 ppm	0.5272 ppm	0.0504 ppm	0.0095 ppm	0.0097 ppm	0.0210 ppm	0.0100 ppm
Concentration per Run 3	0.0121 ppm	0.5315 ppm	0.0505 ppm	0.0096 ppm	0.0098 ppm	0.0215 ppm	0.0096 ppm
Recovery Percentage 1	90.635 %	105.767 %	100.709 %	96.033 %	96.985 %	104.701 %	96.574 %
Concentration RSD	34.2 %	0.4 %	0.5 %	0.8 %	1.1 %	2.8 %	3.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0074 ppm	106.1192 %	104.3646 %	102.8225 %	106.0705 %	103.4590 %	105.0188 %
Concentration per Run 1	0.0073 ppm	105.6203 %	104.3679 %	102.6732 %	105.0650 %	103.5843 %	104.9825 %
Concentration per Run 2	0.0073 ppm	106.6825 %	104.4793 %	103.1088 %	106.5493 %	103.6291 %	105.1035 %
Concentration per Run 3	0.0074 ppm	106.0549 %	104.2465 %	102.6857 %	106.5972 %	103.1636 %	104.9702 %
Recovery Percentage 1	147.073 %						
Concentration RSD	0.5 %	0.5 %	0.1 %	0.2 %	0.8 %	0.2 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: ICSA
Analysis started at: 9/24/2025 14:42:46
Comments: <Comment>
Rack: 0
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0007 ppm	497.3015 ppm	-0.0009 ppm	0.0019 ppm	0.0018 ppm	-0.0001 ppm	474.4884 ppm
Concentration per Run 1	0.0007 ppm	497.0862 ppm	-0.0003 ppm	0.0022 ppm	0.0018 ppm	0.0000 ppm	477.3829 ppm
Concentration per Run 2	0.0007 ppm	499.0444 ppm	0.0020 ppm	0.0016 ppm	0.0016 ppm	-0.0001 ppm	474.4946 ppm
Concentration per Run 3	0.0008 ppm	495.7739 ppm	-0.0044 ppm	0.0019 ppm	0.0019 ppm	0.0000 ppm	471.5877 ppm
Recovery Percentage 1	14.872 %	497,301.493 %	-17.670 %	6.384 %	17.703 %	-1.018 %	474,488.408 %
Concentration RSD	7.2 %	0.3 %	368.4 %	16.2 %	10.2 %	47.9 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0032 ppm	0.0002 ppm	-0.0004 ppm	0.0014 ppm	178.7680 ppm	-0.0299 ppm	-0.0036 ppm
Concentration per Run 1	-0.0031 ppm	0.0001 ppm	0.0000 ppm	0.0012 ppm	179.0789 ppm	-0.0250 ppm	-0.0029 ppm
Concentration per Run 2	-0.0034 ppm	0.0002 ppm	-0.0003 ppm	0.0017 ppm	178.5844 ppm	-0.0376 ppm	-0.0038 ppm
Concentration per Run 3	-0.0032 ppm	0.0003 ppm	-0.0007 ppm	0.0013 ppm	178.6407 ppm	-0.0271 ppm	-0.0041 ppm
Recovery Percentage 1	-80.699 %	2.126 %	-3.559 %	14.134 %	357,536.021 %	-1.197 %	-36.115 %
Concentration RSD	4.1 %	46.6 %	95.6 %	20.5 %	0.2 %	22.6 %	17.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	476.1130 ppm	0.0020 ppm	-0.0014 ppm	0.0371 ppm	-0.0140 ppm	-0.0053 ppm	-0.0035 ppm
Concentration per Run 1	476.9921 ppm	0.0023 ppm	-0.0018 ppm	0.0397 ppm	-0.0132 ppm	-0.0051 ppm	-0.0046 ppm
Concentration per Run 2	476.8581 ppm	0.0017 ppm	-0.0014 ppm	0.0379 ppm	-0.0150 ppm	-0.0052 ppm	-0.0027 ppm
Concentration per Run 3	474.4889 ppm	0.0019 ppm	-0.0011 ppm	0.0335 ppm	-0.0138 ppm	-0.0056 ppm	-0.0032 ppm
Recovery Percentage 1	476,113.017 %	19.684 %	-2.852 %	1.853 %	-55.997 %	-52.950 %	-6.999 %
Concentration RSD	0.3 %	14.5 %	23.9 %	8.6 %	6.6 %	5.5 %	29.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0083 ppm	0.0117 ppm	0.0033 ppm	-0.0022 ppm	0.0016 ppm	0.0018 ppm	-0.0021 ppm
Concentration per Run 1	0.0133 ppm	0.0145 ppm	0.0039 ppm	-0.0023 ppm	0.0015 ppm	0.0030 ppm	-0.0021 ppm
Concentration per Run 2	0.0028 ppm	0.0105 ppm	0.0034 ppm	-0.0022 ppm	0.0018 ppm	0.0004 ppm	-0.0021 ppm
Concentration per Run 3	0.0090 ppm	0.0100 ppm	0.0025 ppm	-0.0022 ppm	0.0015 ppm	0.0019 ppm	-0.0021 ppm
Recovery Percentage 1	83.470 %	2.335 %	6.512 %	-22.372 %	15.795 %	8.958 %	-21.348 %
Concentration RSD	63.7 %	21.3 %	22.5 %	3.3 %	10.5 %	73.3 %	1.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0012 ppm	101.3014 %	88.3348 %	87.3372 %	101.0017 %	75.2292 %	89.0113 %
Concentration per Run 1	-0.0016 ppm	100.7754 %	88.3153 %	85.7052 %	100.5445 %	73.9449 %	88.9318 %
Concentration per Run 2	-0.0010 ppm	101.9992 %	88.4191 %	87.9290 %	101.5229 %	75.5698 %	89.1690 %
Concentration per Run 3	-0.0009 ppm	101.1297 %	88.2701 %	88.3775 %	100.9378 %	76.1730 %	88.9330 %
Recovery Percentage 1	-23.111 %						
Concentration RSD	34.3 %	0.6 %	0.1 %	1.6 %	0.5 %	1.5 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: SIC Multi
Analysis started at: 9/24/2025 14:47:39
Comments: <Comment>
Rack: 0
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0013 ppm	0.0479 ppm	-0.0040 ppm	0.0039 ppm	0.0002 ppm	-0.0053 ppm	0.0611 ppm
Concentration per Run 1	-0.0013 ppm	0.0572 ppm	-0.0054 ppm	0.0037 ppm	0.0001 ppm	-0.0050 ppm	0.0682 ppm
Concentration per Run 2	-0.0012 ppm	0.0461 ppm	-0.0039 ppm	0.0042 ppm	0.0004 ppm	-0.0054 ppm	0.0617 ppm
Concentration per Run 3	-0.0015 ppm	0.0402 ppm	-0.0026 ppm	0.0037 ppm	0.0001 ppm	-0.0054 ppm	0.0532 ppm
Recovery Percentage 1	-26.196 %	47.860 %	-79.282 %	12.878 %	1.692 %	-105.722 %	61.051 %
Concentration RSD	13.1 %	18.0 %	34.3 %	6.9 %	100.7 %	4.6 %	12.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0026 ppm	-0.0077 ppm	19.4583 ppm	0.0013 ppm	0.0117 ppm	0.0121 ppm	0.0001 ppm
Concentration per Run 1	-0.0026 ppm	-0.0078 ppm	19.5263 ppm	0.0012 ppm	0.0162 ppm	0.0057 ppm	-0.0005 ppm
Concentration per Run 2	-0.0026 ppm	-0.0078 ppm	19.4051 ppm	0.0012 ppm	0.0107 ppm	0.0074 ppm	-0.0003 ppm
Concentration per Run 3	-0.0027 ppm	-0.0074 ppm	19.4435 ppm	0.0015 ppm	0.0082 ppm	0.0232 ppm	0.0011 ppm
Recovery Percentage 1	-65.734 %	-76.874 %	194,582.999 %	13.271 %	23.455 %	0.484 %	1.100 %
Concentration RSD	1.5 %	3.0 %	0.3 %	11.8 %	34.9 %	79.6 %	753.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0175 ppm	19.3977 ppm	-0.0028 ppm	0.0008 ppm	-0.0015 ppm	0.0017 ppm	0.0020 ppm
Concentration per Run 1	-0.0127 ppm	19.0936 ppm	-0.0029 ppm	-0.0011 ppm	-0.0010 ppm	0.0021 ppm	0.0010 ppm
Concentration per Run 2	-0.0171 ppm	19.7810 ppm	-0.0028 ppm	0.0057 ppm	-0.0020 ppm	0.0016 ppm	0.0032 ppm
Concentration per Run 3	-0.0228 ppm	19.3187 ppm	-0.0027 ppm	-0.0022 ppm	-0.0015 ppm	0.0014 ppm	0.0017 ppm
Recovery Percentage 1	-17.526 %	193,977.480 %	-5.660 %	0.040 %	-6.012 %	16.748 %	3.903 %
Concentration RSD	28.7 %	1.8 %	3.6 %	533.3 %	31.9 %	20.8 %	58.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0083 ppm	0.1351 ppm	-0.0023 ppm	0.0002 ppm	19.1074 ppm	-0.0099 ppm	9.8104 ppm
Concentration per Run 1	-0.0069 ppm	0.1349 ppm	-0.0021 ppm	0.0002 ppm	19.1675 ppm	-0.0081 ppm	9.8103 ppm
Concentration per Run 2	-0.0092 ppm	0.1348 ppm	-0.0031 ppm	0.0002 ppm	19.1589 ppm	-0.0110 ppm	9.7961 ppm
Concentration per Run 3	-0.0086 ppm	0.1354 ppm	-0.0016 ppm	0.0002 ppm	18.9957 ppm	-0.0106 ppm	9.8248 ppm
Recovery Percentage 1	-82.719 %	27.014 %	-4.526 %	2.203 %	191,073.553 %	-49.541 %	98,104.138 %
Concentration RSD	14.6 %	0.2 %	34.8 %	5.0 %	0.5 %	16.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0023 ppm	105.9350 %	102.8572 %	102.1105 %	106.2477 %	101.2344 %	103.4692 %
Concentration per Run 1	0.0024 ppm	106.5972 %	102.8739 %	102.1744 %	107.2828 %	101.2752 %	103.3855 %
Concentration per Run 2	0.0021 ppm	104.4549 %	103.0417 %	102.1266 %	104.3558 %	101.1835 %	103.6628 %
Concentration per Run 3	0.0024 ppm	106.7528 %	102.6560 %	102.0306 %	107.1044 %	101.2445 %	103.3594 %
Recovery Percentage 1	46.363 %						
Concentration RSD	6.5 %	1.2 %	0.2 %	0.1 %	1.5 %	0.0 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: LDR Check
 Analysis started at: 9/24/2025 14:52:26
 Comments: <Comment>
 Rack: 0
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0011 ppm	0.0097 ppm	5.4623 ppm	5.0590 [SIC 20]	9.6015 ppm	0.0006 ppm	-0.0032 ppm
Concentration per Run 1	0.0014 ppm	0.0090 ppm	5.5605 ppm	5.1437 ppm	9.6012 ppm	0.0006 ppm	0.0006 ppm
Concentration per Run 2	0.0007 ppm	0.0095 ppm	5.5046 ppm	5.0966 ppm	9.6231 ppm	0.0006 ppm	-0.0127 ppm
Concentration per Run 3	0.0011 ppm	0.0105 ppm	5.3218 ppm	4.9366 ppm	9.5803 ppm	0.0006 ppm	0.0024 ppm
Recovery Percentage 1	0.000 %	0.000 %	109.246 %	101.179 %	96.015 %	0.000 %	0.000 %
Concentration RSD	33.8 %	8.0 %	2.3 %	2.1 %	0.2 %	1.8 %	253.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0020 ppm	0.0001 ppm	19.6710 ppm	-0.0089 ppm	303.4584 ppm	5.0141 ppm
Concentration per Run 1	-0.0004 ppm	0.0019 ppm	0.0005 ppm	19.7513 ppm	-0.0082 ppm	303.8679 ppm	5.0313 ppm
Concentration per Run 2	-0.0004 ppm	0.0022 ppm	0.0000 ppm	19.7622 ppm	-0.0101 ppm	302.9278 ppm	4.9956 ppm
Concentration per Run 3	-0.0004 ppm	0.0020 ppm	-0.0002 ppm	19.4996 ppm	-0.0085 ppm	303.5796 ppm	5.0152 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	98.355 %	0.000 %	101.153 %	100.281 %
Concentration RSD	4.9 %	7.9 %	480.2 %	0.8 %	11.4 %	0.2 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0109 ppm	0.0015 ppm	5.1633 [SIC 20]	473.8248 ppm	10.1851 [SIC 20]	49.5388 ppm	-0.0341 ppm
Concentration per Run 1	-0.0113 ppm	0.0016 ppm	5.2511 ppm	473.6631 ppm	10.3541 ppm	50.3226 ppm	-0.0355 ppm
Concentration per Run 2	-0.0141 ppm	0.0013 ppm	5.2045 ppm	471.3641 ppm	10.2696 ppm	50.0007 ppm	-0.0345 ppm
Concentration per Run 3	-0.0075 ppm	0.0016 ppm	5.0342 ppm	476.4471 ppm	9.9317 ppm	48.2932 ppm	-0.0323 ppm
Recovery Percentage 1	0.000 %	0.000 %	103.265 %	94.765 %	101.851 %	99.078 %	0.000 %
Concentration RSD	30.2 %	9.7 %	2.2 %	0.5 %	2.2 %	2.2 %	4.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0042 ppm	21.8003 [SIC 200]	0.0025 ppm	0.0008 ppm	0.0004 ppm	0.0018 ppm	-0.0048 ppm
Concentration per Run 1	-0.0059 ppm	22.1703 ppm	0.0017 ppm	0.0008 ppm	0.0011 ppm	0.0022 ppm	-0.0044 ppm
Concentration per Run 2	-0.0016 ppm	21.9701 ppm	0.0024 ppm	0.0007 ppm	0.0004 ppm	0.0019 ppm	-0.0050 ppm
Concentration per Run 3	-0.0049 ppm	21.2605 ppm	0.0034 ppm	0.0008 ppm	-0.0003 ppm	0.0013 ppm	-0.0052 ppm
Recovery Percentage 1	0.000 %	109.002 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	55.0 %	2.2 %	34.6 %	6.5 %	165.5 %	25.6 %	8.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	20.6068 [SIC 20]	101.8368 %	92.0854 %	90.5493 %	102.6229 %	87.6239 %	92.3366 %
Concentration per Run 1	20.9430 ppm	102.6555 %	91.9072 %	89.3035 %	103.4025 %	86.3800 %	92.2812 %
Concentration per Run 2	20.8131 ppm	101.4005 %	91.8535 %	89.7162 %	102.4006 %	86.9206 %	92.0082 %
Concentration per Run 3	20.0643 ppm	101.4546 %	92.4954 %	92.6283 %	102.0657 %	89.5710 %	92.7205 %
Recovery Percentage 1	103.034 %						
Concentration RSD	2.3 %	0.7 %	0.4 %	2.0 %	0.7 %	1.9 %	0.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: LLOQ 005 Zn pass
Analysis started at: 9/24/2025 15:17:29
Comments: <Comment>
Rack: 1
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0053 ppm	0.0074 ppm	0.0033 ppm	0.0066 ppm	0.0050 ppm	0.0052 ppm	0.0140 ppm
Concentration per Run 1	0.0053 ppm	0.0085 ppm	0.0035 ppm	0.0067 ppm	0.0050 ppm	0.0052 ppm	0.0131 ppm
Concentration per Run 2	0.0052 ppm	0.0106 ppm	0.0030 ppm	0.0069 ppm	0.0051 ppm	0.0051 ppm	0.0129 ppm
Concentration per Run 3	0.0054 ppm	0.0031 ppm	0.0034 ppm	0.0062 ppm	0.0048 ppm	0.0052 ppm	0.0159 ppm
Recovery Percentage 1	105.574 %	147.902 %	66.365 %	132.026 %	99.449 %	103.493 %	0.000 %
Concentration RSD	2.2 %	51.8 %	7.8 %	5.0 %	2.9 %	1.3 %	12.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0051 ppm	0.0051 ppm	0.0051 ppm	0.0052 ppm	0.0073 ppm	0.0912 ppm	0.0048 ppm
Concentration per Run 1	0.0051 ppm	0.0050 ppm	0.0052 ppm	0.0052 ppm	0.0064 ppm	0.1119 ppm	0.0047 ppm
Concentration per Run 2	0.0051 ppm	0.0051 ppm	0.0050 ppm	0.0054 ppm	0.0070 ppm	0.0783 ppm	0.0049 ppm
Concentration per Run 3	0.0051 ppm	0.0053 ppm	0.0050 ppm	0.0050 ppm	0.0085 ppm	0.0834 ppm	0.0047 ppm
Recovery Percentage 1	102.195 %	102.852 %	101.045 %	104.273 %	146.226 %	0.000 %	0.000 %
Concentration RSD	0.4 %	2.3 %	2.1 %	3.3 %	14.8 %	19.9 %	2.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0078 ppm	0.0053 ppm	0.0050 ppm	0.1505 ppm	0.0058 ppm	0.0051 ppm	0.0055 ppm
Concentration per Run 1	0.0061 ppm	0.0054 ppm	0.0049 ppm	0.1431 ppm	0.0057 ppm	0.0047 ppm	0.0057 ppm
Concentration per Run 2	0.0080 ppm	0.0051 ppm	0.0050 ppm	0.1532 ppm	0.0061 ppm	0.0057 ppm	0.0051 ppm
Concentration per Run 3	0.0092 ppm	0.0056 ppm	0.0050 ppm	0.1552 ppm	0.0055 ppm	0.0048 ppm	0.0059 ppm
Recovery Percentage 1	0.000 %	106.867 %	99.019 %	0.000 %	115.798 %	101.461 %	110.889 %
Concentration RSD	20.6 %	4.7 %	0.9 %	4.3 %	5.2 %	10.3 %	7.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0037 ppm	0.0558 ppm	0.0050 ppm	0.0051 ppm	0.0052 ppm	0.0048 ppm	0.0049 ppm
Concentration per Run 1	0.0043 ppm	0.0558 ppm	0.0046 ppm	0.0053 ppm	0.0054 ppm	0.0053 ppm	0.0049 ppm
Concentration per Run 2	0.0020 ppm	0.0556 ppm	0.0053 ppm	0.0050 ppm	0.0051 ppm	0.0046 ppm	0.0045 ppm
Concentration per Run 3	0.0048 ppm	0.0559 ppm	0.0052 ppm	0.0051 ppm	0.0053 ppm	0.0046 ppm	0.0052 ppm
Recovery Percentage 1	74.362 %	1,115.051 %	100.602 %	102.480 %	104.785 %	96.753 %	97.653 %
Concentration RSD	40.0 %	0.3 %	8.0 %	3.1 %	3.1 %	8.7 %	7.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0054 ppm	106.0042 %	104.7303 %	105.2625 %	103.9601 %	104.6491 %	103.0410 %
Concentration per Run 1	0.0054 ppm	105.5722 %	104.9851 %	105.0575 %	103.1372 %	104.2215 %	103.1859 %
Concentration per Run 2	0.0056 ppm	106.1710 %	104.6377 %	104.9853 %	104.2434 %	104.3467 %	102.9650 %
Concentration per Run 3	0.0052 ppm	106.2693 %	104.5682 %	105.7445 %	104.4997 %	105.3791 %	102.9721 %
Recovery Percentage 1	107.920 %						
Concentration RSD	3.1 %	0.4 %	0.2 %	0.4 %	0.7 %	0.6 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: LLOQ 01 Se pass
 Analysis started at: 9/24/2025 15:22:00
 Comments: <Comment>
 Rack: 1
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0103 ppm	0.0140 ppm	0.0093 ppm	0.0115 ppm	0.0102 ppm	0.0104 ppm	0.0127 ppm
Concentration per Run 1	0.0104 ppm	0.0104 ppm	0.0077 ppm	0.0116 ppm	0.0103 ppm	0.0105 ppm	0.0129 ppm
Concentration per Run 2	0.0105 ppm	0.0152 ppm	0.0106 ppm	0.0114 ppm	0.0102 ppm	0.0103 ppm	0.0136 ppm
Concentration per Run 3	0.0100 ppm	0.0165 ppm	0.0094 ppm	0.0114 ppm	0.0101 ppm	0.0102 ppm	0.0117 ppm
Recovery Percentage 1	0.000 %	0.000 %	92.570 %	114.834 %	102.207 %	0.000 %	0.000 %
Concentration RSD	2.3 %	22.9 %	16.0 %	1.1 %	1.1 %	1.5 %	7.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0102 ppm	0.0104 ppm	0.0102 ppm	0.0103 ppm	0.0117 ppm	0.1448 ppm	0.0088 ppm
Concentration per Run 1	0.0102 ppm	0.0104 ppm	0.0100 ppm	0.0102 ppm	0.0126 ppm	0.1527 ppm	0.0084 ppm
Concentration per Run 2	0.0102 ppm	0.0103 ppm	0.0098 ppm	0.0104 ppm	0.0106 ppm	0.1472 ppm	0.0091 ppm
Concentration per Run 3	0.0102 ppm	0.0104 ppm	0.0106 ppm	0.0104 ppm	0.0118 ppm	0.1343 ppm	0.0088 ppm
Recovery Percentage 1	0.000 %	103.677 %	101.525 %	103.335 %	0.000 %	0.000 %	87.624 %
Concentration RSD	0.1 %	0.4 %	3.7 %	1.0 %	8.5 %	6.5 %	4.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0132 ppm	0.0103 ppm	0.0101 ppm	0.2234 ppm	0.0106 ppm	0.0101 ppm	0.0116 ppm
Concentration per Run 1	0.0147 ppm	0.0106 ppm	0.0102 ppm	0.2229 ppm	0.0107 ppm	0.0104 ppm	0.0119 ppm
Concentration per Run 2	0.0104 ppm	0.0101 ppm	0.0101 ppm	0.2304 ppm	0.0104 ppm	0.0110 ppm	0.0104 ppm
Concentration per Run 3	0.0145 ppm	0.0101 ppm	0.0101 ppm	0.2167 ppm	0.0108 ppm	0.0089 ppm	0.0127 ppm
Recovery Percentage 1	0.000 %	102.799 %	101.286 %	0.000 %	106.448 %	101.223 %	0.000 %
Concentration RSD	18.5 %	2.8 %	0.3 %	3.1 %	1.7 %	10.4 %	10.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0103 ppm	0.1108 ppm	0.0100 ppm	0.0103 ppm	0.0102 ppm	0.0109 ppm	0.0101 ppm
Concentration per Run 1	0.0112 ppm	0.1109 ppm	0.0101 ppm	0.0105 ppm	0.0101 ppm	0.0103 ppm	0.0104 ppm
Concentration per Run 2	0.0081 ppm	0.1109 ppm	0.0097 ppm	0.0103 ppm	0.0104 ppm	0.0117 ppm	0.0102 ppm
Concentration per Run 3	0.0114 ppm	0.1105 ppm	0.0101 ppm	0.0103 ppm	0.0102 ppm	0.0107 ppm	0.0098 ppm
Recovery Percentage 1	102.602 %	0.000 %	99.766 %	103.458 %	102.111 %	108.913 %	101.315 %
Concentration RSD	17.9 %	0.2 %	2.2 %	0.9 %	1.5 %	6.9 %	2.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0102 ppm	106.4388 %	104.8031 %	104.2090 %	104.8204 %	104.2110 %	103.4860 %
Concentration per Run 1	0.0101 ppm	105.4209 %	105.0104 %	104.2465 %	103.0530 %	104.1894 %	103.5999 %
Concentration per Run 2	0.0102 ppm	106.9321 %	105.0709 %	104.0470 %	105.6342 %	104.1065 %	103.7643 %
Concentration per Run 3	0.0103 ppm	106.9634 %	104.3279 %	104.3334 %	105.7739 %	104.3370 %	103.0939 %
Recovery Percentage 1	101.860 %						
Concentration RSD	0.7 %	0.8 %	0.4 %	0.1 %	1.5 %	0.1 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: LLOQ 05
 Analysis started at: 9/24/2025 15:26:31
 Comments: <Comment>
 Rack: 1
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0499 ppm	0.0603 ppm	0.0464 ppm	0.0504 ppm	0.0500 ppm	0.0509 ppm	0.0579 ppm
Concentration per Run 1	0.0498 ppm	0.0644 ppm	0.0449 ppm	0.0502 ppm	0.0510 ppm	0.0521 ppm	0.0683 ppm
Concentration per Run 2	0.0500 ppm	0.0556 ppm	0.0467 ppm	0.0503 ppm	0.0497 ppm	0.0504 ppm	0.0536 ppm
Concentration per Run 3	0.0499 ppm	0.0609 ppm	0.0477 ppm	0.0506 ppm	0.0492 ppm	0.0503 ppm	0.0518 ppm
Recovery Percentage 1	0.000 %	120.585 %	0.000 %	0.000 %	0.000 %	0.000 %	115.818 %
Concentration RSD	0.2 %	7.3 %	3.1 %	0.4 %	1.9 %	2.0 %	15.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0502 ppm	0.0511 ppm	0.0501 ppm	0.0508 ppm	0.0523 ppm	0.5352 ppm	0.0505 ppm
Concentration per Run 1	0.0502 ppm	0.0512 ppm	0.0507 ppm	0.0507 ppm	0.0526 ppm	0.5401 ppm	0.0510 ppm
Concentration per Run 2	0.0500 ppm	0.0508 ppm	0.0496 ppm	0.0507 ppm	0.0533 ppm	0.5387 ppm	0.0503 ppm
Concentration per Run 3	0.0502 ppm	0.0512 ppm	0.0499 ppm	0.0508 ppm	0.0509 ppm	0.5268 ppm	0.0501 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	104.568 %	21.409 %	0.000 %
Concentration RSD	0.2 %	0.5 %	1.2 %	0.2 %	2.3 %	1.4 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0529 ppm	0.0516 ppm	0.0488 ppm	1.0228 ppm	0.0512 ppm	0.0518 ppm	0.0525 ppm
Concentration per Run 1	0.0543 ppm	0.0527 ppm	0.0486 ppm	1.0456 ppm	0.0513 ppm	0.0527 ppm	0.0527 ppm
Concentration per Run 2	0.0518 ppm	0.0514 ppm	0.0489 ppm	1.0233 ppm	0.0511 ppm	0.0515 ppm	0.0525 ppm
Concentration per Run 3	0.0525 ppm	0.0506 ppm	0.0490 ppm	0.9996 ppm	0.0513 ppm	0.0511 ppm	0.0522 ppm
Recovery Percentage 1	105.748 %	0.000 %	0.000 %	102.282 %	0.000 %	0.000 %	104.937 %
Concentration RSD	2.4 %	2.0 %	0.5 %	2.2 %	0.3 %	1.6 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0490 ppm	0.5515 ppm	0.0492 ppm	0.0504 ppm	0.0492 ppm	0.0524 ppm	0.0495 ppm
Concentration per Run 1	0.0499 ppm	0.5502 ppm	0.0490 ppm	0.0513 ppm	0.0490 ppm	0.0523 ppm	0.0498 ppm
Concentration per Run 2	0.0491 ppm	0.5514 ppm	0.0489 ppm	0.0499 ppm	0.0493 ppm	0.0521 ppm	0.0493 ppm
Concentration per Run 3	0.0481 ppm	0.5528 ppm	0.0496 ppm	0.0499 ppm	0.0493 ppm	0.0526 ppm	0.0493 ppm
Recovery Percentage 1	0.000 %	110.292 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	1.8 %	0.2 %	0.8 %	1.6 %	0.3 %	0.5 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0502 ppm	105.0931 %	104.3078 %	103.3635 %	104.3598 %	104.0970 %	104.0078 %
Concentration per Run 1	0.0505 ppm	103.2977 %	104.6142 %	103.3059 %	102.0366 %	104.0409 %	104.3089 %
Concentration per Run 2	0.0502 ppm	106.0059 %	104.2845 %	103.5923 %	105.4112 %	104.3108 %	103.8316 %
Concentration per Run 3	0.0498 ppm	105.9756 %	104.0247 %	103.1924 %	105.6315 %	103.9393 %	103.8829 %
Recovery Percentage 1	100.347 %						
Concentration RSD	0.6 %	1.5 %	0.3 %	0.2 %	1.9 %	0.2 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: LDR 200 Fe
Analysis started at: 9/24/2025 15:31:17
Comments: <Comment>
Rack: 1
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	-0.0011 ppm	-0.0011 ppm	0.0014 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 1	0.0003 ppm	-0.0056 ppm	-0.0020 ppm	0.0012 ppm	0.0002 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run 2	0.0003 ppm	0.0000 ppm	0.0006 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	-0.0038 ppm
Concentration per Run 3	0.0004 ppm	0.0022 ppm	-0.0019 ppm	0.0015 ppm	0.0003 ppm	0.0000 ppm	0.0043 ppm
Recovery Percentage 1	6.579 %	-1.110 %	-22.249 %	4.665 %	1.735 %	0.320 %	0.429 %
Concentration RSD	14.9 %	362.4 %	131.9 %	12.1 %	94.8 %	57.9 %	940.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0011 ppm	-0.0026 ppm	183.5047 ppm	-0.0275 ppm	-0.0021 ppm
Concentration per Run 1	-0.0001 ppm	-0.0002 ppm	-0.0013 ppm	-0.0025 ppm	184.2434 ppm	-0.0305 ppm	-0.0011 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	-0.0009 ppm	-0.0028 ppm	181.8957 ppm	-0.0193 ppm	-0.0031 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0010 ppm	-0.0025 ppm	184.3748 ppm	-0.0327 ppm	-0.0022 ppm
Recovery Percentage 1	-0.021 %	-0.822 %	-10.569 %	-26.312 %	367,009.305 %	-1.100 %	-21.296 %
Concentration RSD	7,039.6 %	121.7 %	16.8 %	6.7 %	0.8 %	26.2 %	47.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0018 ppm	-0.0004 ppm	-0.0014 ppm	0.0064 ppm	-0.0140 ppm	0.0001 ppm	-0.0010 ppm
Concentration per Run 1	-0.0019 ppm	-0.0001 ppm	-0.0014 ppm	0.0043 ppm	-0.0140 ppm	-0.0008 ppm	0.0006 ppm
Concentration per Run 2	-0.0012 ppm	-0.0007 ppm	-0.0010 ppm	0.0038 ppm	-0.0133 ppm	0.0008 ppm	-0.0007 ppm
Concentration per Run 3	-0.0023 ppm	-0.0003 ppm	-0.0018 ppm	0.0112 ppm	-0.0146 ppm	0.0003 ppm	-0.0028 ppm
Recovery Percentage 1	-1.775 %	-3.519 %	-2.799 %	0.321 %	-55.827 %	0.992 %	-1.902 %
Concentration RSD	33.1 %	79.0 %	28.2 %	64.8 %	4.8 %	831.8 %	179.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0037 ppm	-0.0004 ppm	0.0003 ppm	0.0001 ppm	-0.0001 ppm	0.0028 ppm	-0.0011 ppm
Concentration per Run 1	0.0042 ppm	-0.0007 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0018 ppm	-0.0012 ppm
Concentration per Run 2	0.0035 ppm	-0.0005 ppm	-0.0002 ppm	0.0000 ppm	-0.0003 ppm	0.0027 ppm	-0.0012 ppm
Concentration per Run 3	0.0034 ppm	-0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0038 ppm	-0.0009 ppm
Recovery Percentage 1	37.026 %	-0.081 %	0.640 %	0.936 %	-0.516 %	13.767 %	-10.816 %
Concentration RSD	11.2 %	79.0 %	204.2 %	83.0 %	517.5 %	37.0 %	18.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0020 ppm	106.2704 %	102.5444 %	101.7819 %	106.2453 %	99.8558 %	102.8706 %
Concentration per Run 1	-0.0021 ppm	106.4179 %	102.8078 %	102.0195 %	106.2760 %	99.9447 %	102.9192 %
Concentration per Run 2	-0.0020 ppm	106.2010 %	102.5742 %	101.7680 %	106.2971 %	99.8863 %	102.9458 %
Concentration per Run 3	-0.0019 ppm	106.1922 %	102.2512 %	101.5581 %	106.1629 %	99.7363 %	102.7468 %
Recovery Percentage 1	-40.063 %						
Concentration RSD	6.4 %	0.1 %	0.3 %	0.2 %	0.1 %	0.1 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
 Analysis started at: 9/24/2025 15:43:26
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4838 ppm	0.4856 ppm	0.4864 ppm	0.4948 ppm	0.4907 ppm	0.4997 ppm	0.5159 ppm
Concentration per Run 1	0.4835 ppm	0.5024 ppm	0.4815 ppm	0.4880 ppm	0.5020 ppm	0.5124 ppm	0.5301 ppm
Concentration per Run 2	0.4837 ppm	0.4875 ppm	0.4975 ppm	0.5078 ppm	0.4863 ppm	0.4944 ppm	0.5051 ppm
Concentration per Run 3	0.4843 ppm	0.4667 ppm	0.4802 ppm	0.4886 ppm	0.4837 ppm	0.4922 ppm	0.5123 ppm
Recovery Percentage 1	96.765 %	97.110 %	97.282 %	98.959 %	98.130 %	99.933 %	103.173 %
Concentration RSD	0.1 %	3.7 %	2.0 %	2.3 %	2.0 %	2.2 %	2.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5011 ppm	0.5141 ppm	0.4933 ppm	0.4995 ppm	0.5014 ppm	5.0648 ppm	0.5050 ppm
Concentration per Run 1	0.4959 ppm	0.5082 ppm	0.4948 ppm	0.4988 ppm	0.5168 ppm	5.1538 ppm	0.5159 ppm
Concentration per Run 2	0.5134 ppm	0.5266 ppm	0.4920 ppm	0.4990 ppm	0.4960 ppm	5.0171 ppm	0.5010 ppm
Concentration per Run 3	0.4941 ppm	0.5075 ppm	0.4932 ppm	0.5006 ppm	0.4914 ppm	5.0235 ppm	0.4980 ppm
Recovery Percentage 1	100.220 %	102.817 %	98.663 %	99.893 %	100.280 %	101.296 %	100.992 %
Concentration RSD	2.1 %	2.1 %	0.3 %	0.2 %	2.7 %	1.5 %	1.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4897 ppm	0.5019 ppm	0.4974 ppm	10.0260 ppm	0.5104 ppm	0.5119 ppm	0.5198 ppm
Concentration per Run 1	0.4886 ppm	0.5141 ppm	0.4913 ppm	10.2379 ppm	0.5043 ppm	0.5051 ppm	0.5144 ppm
Concentration per Run 2	0.4902 ppm	0.4969 ppm	0.5098 ppm	9.9543 ppm	0.5229 ppm	0.5252 ppm	0.5323 ppm
Concentration per Run 3	0.4905 ppm	0.4947 ppm	0.4912 ppm	9.8859 ppm	0.5041 ppm	0.5053 ppm	0.5128 ppm
Recovery Percentage 1	97.949 %	100.376 %	99.487 %	100.260 %	102.085 %	102.371 %	103.969 %
Concentration RSD	0.2 %	2.1 %	2.2 %	1.9 %	2.1 %	2.3 %	2.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4898 ppm	5.5193 ppm	0.5038 ppm	0.4927 ppm	0.4817 ppm	0.5250 ppm	0.4891 ppm
Concentration per Run 1	0.4831 ppm	5.4553 ppm	0.4997 ppm	0.5043 ppm	0.4822 ppm	0.5191 ppm	0.4892 ppm
Concentration per Run 2	0.5024 ppm	5.6493 ppm	0.5165 ppm	0.4883 ppm	0.4802 ppm	0.5381 ppm	0.4890 ppm
Concentration per Run 3	0.4841 ppm	5.4532 ppm	0.4953 ppm	0.4856 ppm	0.4827 ppm	0.5177 ppm	0.4889 ppm
Recovery Percentage 1	97.968 %	105.129 %	100.765 %	98.550 %	96.334 %	104.992 %	97.810 %
Concentration RSD	2.2 %	2.0 %	2.2 %	2.1 %	0.3 %	2.2 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5029 ppm	104.6802 %	102.8146 %	101.6010 %	103.8810 %	99.9329 %	102.5703 %
Concentration per Run 1	0.4975 ppm	102.8948 %	102.7673 %	102.7574 %	101.6240 %	101.0988 %	102.6156 %
Concentration per Run 2	0.5155 ppm	105.6013 %	102.9591 %	99.3667 %	104.8307 %	97.7387 %	102.6372 %
Concentration per Run 3	0.4958 ppm	105.5446 %	102.7173 %	102.6788 %	105.1883 %	100.9613 %	102.4582 %
Recovery Percentage 1	100.588 %						
Concentration RSD	2.2 %	1.5 %	0.1 %	1.9 %	1.9 %	1.9 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
 Analysis started at: 9/24/2025 15:47:42
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0069 ppm	-0.0014 ppm	0.0011 ppm	0.0000 ppm	0.0001 ppm	-0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0093 ppm	-0.0025 ppm	0.0013 ppm	0.0000 ppm	0.0001 ppm	-0.0017 ppm
Concentration per Run 2	0.0004 ppm	0.0025 ppm	-0.0007 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run 3	-0.0003 ppm	0.0090 ppm	-0.0010 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm
Recovery Percentage 1	0.019 %	6.929 %	-28.493 %	3.680 %	-0.185 %	1.424 %	-0.679 %
Concentration RSD	34,219.0 %	55.6 %	68.7 %	21.7 %	34.4 %	45.8 %	130.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0015 ppm	0.0119 ppm	-0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	-0.0003 ppm	-0.0002 ppm	0.0029 ppm	0.0117 ppm	-0.0001 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0013 ppm	0.0273 ppm	-0.0012 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0003 ppm	0.0003 ppm	-0.0034 ppm	0.0000 ppm
Recovery Percentage 1	-0.699 %	-2.083 %	-0.860 %	1.079 %	2.932 %	0.474 %	-4.476 %
Concentration RSD	36.0 %	70.6 %	226.7 %	251.3 %	88.8 %	129.6 %	148.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0019 ppm	0.0000 ppm	0.0003 ppm	0.0037 ppm	0.0000 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 1	0.0023 ppm	0.0000 ppm	0.0004 ppm	0.0007 ppm	0.0003 ppm	0.0004 ppm	0.0009 ppm
Concentration per Run 2	0.0015 ppm	0.0003 ppm	0.0003 ppm	-0.0017 ppm	0.0003 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run 3	0.0018 ppm	-0.0001 ppm	0.0001 ppm	0.0119 ppm	-0.0005 ppm	-0.0006 ppm	-0.0004 ppm
Recovery Percentage 1	1.861 %	0.280 %	0.564 %	0.183 %	0.176 %	1.733 %	0.410 %
Concentration RSD	20.6 %	765.1 %	66.8 %	198.7 %	1,024.8 %	405.8 %	324.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0014 ppm	-0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0000 ppm	0.0002 ppm	0.0012 ppm	-0.0002 ppm
Concentration per Run 2	-0.0039 ppm	-0.0014 ppm	-0.0010 ppm	0.0000 ppm	0.0002 ppm	0.0021 ppm	-0.0003 ppm
Concentration per Run 3	-0.0002 ppm	-0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm	-0.0002 ppm	0.0001 ppm
Recovery Percentage 1	-13.716 %	-0.147 %	-0.298 %	0.009 %	2.480 %	5.135 %	-1.345 %
Concentration RSD	162.4 %	83.9 %	507.8 %	1,179.6 %	45.4 %	113.3 %	143.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	106.0831 %	104.1426 %	103.3371 %	104.3795 %	103.4876 %	102.8511 %
Concentration per Run 1	0.0000 ppm	106.3803 %	104.5017 %	103.4800 %	104.0214 %	103.5528 %	103.1170 %
Concentration per Run 2	-0.0001 ppm	106.3732 %	103.7631 %	103.3387 %	104.9647 %	103.5945 %	102.4630 %
Concentration per Run 3	0.0000 ppm	105.4958 %	104.1630 %	103.1927 %	104.1525 %	103.3154 %	102.9733 %
Recovery Percentage 1	-0.391 %						
Concentration RSD	300.7 %	0.5 %	0.4 %	0.1 %	0.5 %	0.1 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2115674-1 WG2115674
 Analysis started at: 9/24/2025 16:00:43
 Comments: <Comment>
 Rack: 1
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0015 ppm	-0.0010 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	0.0690 ppm
Concentration per Run 1	0.0000 ppm	0.0038 ppm	-0.0022 ppm	0.0009 ppm	-0.0001 ppm	0.0000 ppm	0.0692 ppm
Concentration per Run 2	-0.0003 ppm	-0.0011 ppm	-0.0007 ppm	0.0007 ppm	-0.0002 ppm	0.0000 ppm	0.0739 ppm
Concentration per Run 3	-0.0004 ppm	0.0019 ppm	0.0000 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm	0.0639 ppm
Recovery Percentage 1	-4.491 %	1.524 %	-19.119 %	2.545 %	-1.215 %	0.580 %	69.038 %
Concentration RSD	73.6 %	161.9 %	115.4 %	19.7 %	97.7 %	79.0 %	7.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0027 ppm	0.0053 ppm	-0.0012 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0023 ppm	0.0277 ppm	-0.0021 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0007 ppm	0.0035 ppm	-0.0038 ppm	-0.0003 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0004 ppm	0.0024 ppm	-0.0081 ppm	-0.0011 ppm
Recovery Percentage 1	-0.528 %	-0.468 %	2.170 %	4.117 %	5.494 %	0.211 %	-11.949 %
Concentration RSD	212.8 %	142.4 %	172.1 %	57.8 %	25.0 %	370.3 %	74.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0032 ppm	-0.0003 ppm	0.0000 ppm	-0.0058 ppm	0.0001 ppm	-0.0002 ppm	0.0007 ppm
Concentration per Run 1	0.0043 ppm	-0.0001 ppm	0.0000 ppm	-0.0056 ppm	0.0004 ppm	-0.0007 ppm	0.0011 ppm
Concentration per Run 2	0.0029 ppm	-0.0006 ppm	0.0001 ppm	-0.0155 ppm	0.0003 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 3	0.0025 ppm	-0.0003 ppm	0.0000 ppm	0.0038 ppm	-0.0004 ppm	0.0000 ppm	0.0007 ppm
Recovery Percentage 1	3.206 %	-3.414 %	0.048 %	-0.289 %	0.456 %	-1.566 %	1.326 %
Concentration RSD	29.6 %	76.1 %	138.4 %	166.7 %	377.5 %	336.8 %	62.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	0.0136 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0011 ppm	-0.0002 ppm
Concentration per Run 1	-0.0018 ppm	0.0138 ppm	-0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0018 ppm	-0.0003 ppm
Concentration per Run 2	0.0023 ppm	0.0134 ppm	-0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run 3	-0.0010 ppm	0.0136 ppm	-0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0012 ppm	-0.0001 ppm
Recovery Percentage 1	-1.595 %	2.723 %	-1.030 %	0.188 %	0.284 %	5.589 %	-1.955 %
Concentration RSD	1,341.0 %	1.5 %	59.5 %	92.5 %	410.0 %	61.3 %	55.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	107.0278 %	105.6838 %	105.0477 %	104.5963 %	104.4342 %	103.9466 %
Concentration per Run 1	0.0005 ppm	106.2268 %	105.6575 %	105.4500 %	103.0807 %	104.5114 %	103.8304 %
Concentration per Run 2	0.0004 ppm	107.6449 %	105.6573 %	105.1079 %	105.4630 %	104.6359 %	103.8745 %
Concentration per Run 3	0.0006 ppm	107.2119 %	105.7367 %	104.5851 %	105.2452 %	104.1553 %	104.1349 %
Recovery Percentage 1	10.530 %						
Concentration RSD	15.8 %	0.7 %	0.0 %	0.4 %	1.3 %	0.2 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2115674-2 WG2115674
 Analysis started at: 9/24/2025 16:05:14
 Comments: <Comment>
 Rack: 1
 Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0517 ppm	2.0860 ppm	0.1204 ppm	0.9743 ppm	1.9872 ppm	0.0499 ppm	10.2982 ppm
Concentration per Run 1	0.0520 ppm	2.0928 ppm	0.1199 ppm	0.9747 ppm	2.0013 ppm	0.0503 ppm	10.3925 ppm
Concentration per Run 2	0.0513 ppm	2.0846 ppm	0.1219 ppm	0.9740 ppm	1.9853 ppm	0.0499 ppm	10.2819 ppm
Concentration per Run 3	0.0518 ppm	2.0805 ppm	0.1193 ppm	0.9743 ppm	1.9750 ppm	0.0494 ppm	10.2202 ppm
Concentration RSD	0.6 %	0.3 %	1.1 %	0.0 %	0.7 %	0.9 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0531 ppm	0.4993 ppm	0.1963 ppm	0.2483 ppm	1.0031 ppm	10.0029 ppm	-0.0011 ppm
Concentration per Run 1	0.0531 ppm	0.5000 ppm	0.1957 ppm	0.2486 ppm	1.0110 ppm	10.0585 ppm	-0.0001 ppm
Concentration per Run 2	0.0531 ppm	0.4991 ppm	0.1970 ppm	0.2475 ppm	0.9990 ppm	10.0371 ppm	-0.0018 ppm
Concentration per Run 3	0.0531 ppm	0.4988 ppm	0.1962 ppm	0.2488 ppm	0.9994 ppm	9.9131 ppm	-0.0015 ppm
Concentration RSD	0.1 %	0.1 %	0.3 %	0.3 %	0.7 %	0.8 %	82.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.5464 ppm	0.4962 ppm	0.9751 ppm	10.0960 ppm	0.5017 ppm	0.5267 ppm	0.5057 ppm
Concentration per Run 1	9.5542 ppm	0.5017 ppm	0.9716 ppm	10.1779 ppm	0.5016 ppm	0.5263 ppm	0.5035 ppm
Concentration per Run 2	9.5245 ppm	0.4961 ppm	0.9756 ppm	10.0891 ppm	0.5024 ppm	0.5249 ppm	0.5063 ppm
Concentration per Run 3	9.5604 ppm	0.4909 ppm	0.9781 ppm	10.0211 ppm	0.5011 ppm	0.5290 ppm	0.5072 ppm
Concentration RSD	0.2 %	1.1 %	0.3 %	0.8 %	0.1 %	0.4 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1147 ppm	1.0305 ppm	0.9674 ppm	0.9599 ppm	0.9491 ppm	0.1230 ppm	0.4894 ppm
Concentration per Run 1	0.1127 ppm	1.0294 ppm	0.9688 ppm	0.9673 ppm	0.9504 ppm	0.1235 ppm	0.4886 ppm
Concentration per Run 2	0.1154 ppm	1.0315 ppm	0.9664 ppm	0.9587 ppm	0.9476 ppm	0.1230 ppm	0.4889 ppm
Concentration per Run 3	0.1160 ppm	1.0305 ppm	0.9669 ppm	0.9537 ppm	0.9494 ppm	0.1224 ppm	0.4905 ppm
Concentration RSD	1.5 %	0.1 %	0.1 %	0.7 %	0.1 %	0.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4991 ppm	107.4086 %	103.3135 %	102.4121 %	105.6964 %	100.3812 %	102.5866 %
Concentration per Run 1	0.4986 ppm	107.0324 %	103.6302 %	102.9020 %	104.5547 %	100.6897 %	102.7722 %
Concentration per Run 2	0.4996 ppm	107.1454 %	103.2333 %	102.4954 %	105.7975 %	100.3380 %	102.4724 %
Concentration per Run 3	0.4991 ppm	108.0478 %	103.0769 %	101.8388 %	106.7370 %	100.1159 %	102.5153 %
Concentration RSD	0.1 %	0.5 %	0.3 %	0.5 %	1.0 %	0.3 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: xL2557734-01 WG2115674
 Analysis started at: 9/24/2025 16:09:28
 Comments: <Comment>
 Rack: 1
 Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.6812 ppm	0.0113 ppm	4.6286 ppm	0.0012 ppm	0.0000 ppm	344.8094 ppm
Concentration per Run 1	0.0004 ppm	0.6894 ppm	0.0115 ppm	4.6382 ppm	0.0012 ppm	0.0000 ppm	342.4283 ppm
Concentration per Run 2	0.0000 ppm	0.6721 ppm	0.0158 ppm	4.6392 ppm	0.0011 ppm	0.0000 ppm	346.8132 ppm
Concentration per Run 3	0.0003 ppm	0.6820 ppm	0.0064 ppm	4.6084 ppm	0.0012 ppm	0.0000 ppm	345.1866 ppm
Concentration RSD	84.2 %	1.3 %	41.7 %	0.4 %	3.8 %	173.0 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0015 ppm	0.0043 ppm	0.0090 ppm	N/A	N/A	0.2067 ppm
Concentration per Run 1	0.0000 ppm	0.0013 ppm	0.0047 ppm	0.0089 ppm	N/A	N/A	0.2100 ppm
Concentration per Run 2	0.0003 ppm	0.0015 ppm	0.0041 ppm	0.0091 ppm	N/A	N/A	0.2052 ppm
Concentration per Run 3	0.0001 ppm	0.0018 ppm	0.0040 ppm	0.0091 ppm	N/A	N/A	0.2048 ppm
Concentration RSD	147.9 %	16.0 %	9.3 %	1.5 %	N/A	N/A	1.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1,042.0087 [SIC 500]	0.0247 ppm	0.0116 ppm	N/A	-0.0001 ppm	0.0043 ppm	0.0010 ppm
Concentration per Run 1	1,041.7929 ppm	0.0248 ppm	0.0120 ppm	N/A	-0.0001 ppm	0.0044 ppm	-0.0001 ppm
Concentration per Run 2	1,044.7219 ppm	0.0244 ppm	0.0117 ppm	N/A	0.0007 ppm	0.0057 ppm	0.0026 ppm
Concentration per Run 3	1,039.5113 ppm	0.0248 ppm	0.0111 ppm	N/A	-0.0008 ppm	0.0029 ppm	0.0004 ppm
Concentration RSD	0.3 %	0.9 %	3.7 %	N/A	1,038.7 %	31.9 %	149.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0033 ppm	1.6977 ppm	0.0017 ppm	6.6143 ppm	0.0385 ppm	-0.0010 ppm	0.0024 ppm
Concentration per Run 1	0.0020 ppm	1.7015 ppm	0.0022 ppm	6.4933 ppm	0.0381 ppm	-0.0017 ppm	0.0021 ppm
Concentration per Run 2	0.0035 ppm	1.7026 ppm	0.0005 ppm	6.7765 ppm	0.0389 ppm	-0.0023 ppm	0.0020 ppm
Concentration per Run 3	0.0043 ppm	1.6890 ppm	0.0025 ppm	6.5730 ppm	0.0383 ppm	0.0010 ppm	0.0031 ppm
Concentration RSD	36.8 %	0.4 %	64.5 %	2.2 %	1.0 %	171.7 %	25.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0140 ppm	89.2068 %	70.3889 %	73.0942 %	89.2430 %	60.5464 %	69.5724 %
Concentration per Run 1	0.0138 ppm	90.0712 %	70.2497 %	73.3566 %	89.9964 %	60.7693 %	69.4399 %
Concentration per Run 2	0.0143 ppm	88.6311 %	70.2326 %	72.9598 %	88.9622 %	60.3358 %	69.3418 %
Concentration per Run 3	0.0137 ppm	88.9182 %	70.6845 %	72.9662 %	88.7704 %	60.5342 %	69.9355 %
Concentration RSD	2.5 %	0.9 %	0.4 %	0.3 %	0.7 %	0.4 %	0.5 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: xWG2115674-7 WG2115674
 Analysis started at: 9/24/2025 16:14:25
 Comments: <Comment>
 Rack: 1
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0668 ppm	2.8264 ppm	0.1801 ppm	5.7249 [SIC 20]	1.9628 ppm	0.0463 ppm	346.4189 ppm
Concentration per Run 1	0.0668 ppm	2.8495 ppm	0.1764 ppm	5.7360 ppm	1.9669 ppm	0.0465 ppm	349.9165 ppm
Concentration per Run 2	0.0667 ppm	2.8053 ppm	0.1828 ppm	5.7261 ppm	1.9603 ppm	0.0463 ppm	341.4087 ppm
Concentration per Run 3	0.0669 ppm	2.8244 ppm	0.1810 ppm	5.7127 ppm	1.9612 ppm	0.0461 ppm	347.9315 ppm
Concentration RSD	0.2 %	0.8 %	1.8 %	0.2 %	0.2 %	0.5 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0576 ppm	0.5114 ppm	0.1905 ppm	0.2885 ppm	N/A	N/A	0.1971 ppm
Concentration per Run 1	0.0577 ppm	0.5117 ppm	0.1906 ppm	0.2878 ppm	N/A	N/A	0.1972 ppm
Concentration per Run 2	0.0575 ppm	0.5112 ppm	0.1896 ppm	0.2896 ppm	N/A	N/A	0.1966 ppm
Concentration per Run 3	0.0575 ppm	0.5112 ppm	0.1912 ppm	0.2880 ppm	N/A	N/A	0.1976 ppm
Concentration RSD	0.2 %	0.1 %	0.4 %	0.3 %	N/A	N/A	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1,018.2818 [SIC 500]	0.4791 ppm	1.1162 ppm	N/A	0.5049 ppm	0.5309 ppm	0.6668 ppm
Concentration per Run 1	1,019.5996 ppm	0.4823 ppm	1.1159 ppm	N/A	0.5069 ppm	0.5311 ppm	0.6686 ppm
Concentration per Run 2	1,019.8432 ppm	0.4764 ppm	1.1148 ppm	N/A	0.5050 ppm	0.5310 ppm	0.6642 ppm
Concentration per Run 3	1,015.4027 ppm	0.4787 ppm	1.1177 ppm	N/A	0.5030 ppm	0.5307 ppm	0.6675 ppm
Concentration RSD	0.2 %	0.6 %	0.1 %	N/A	0.4 %	0.0 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1587 ppm	3.3853 ppm	1.0021 [SIC 20]	7.5301 ppm	0.9849 ppm	0.1033 ppm	0.4923 ppm
Concentration per Run 1	0.1573 ppm	3.3914 ppm	1.0046 ppm	7.7030 ppm	0.9852 ppm	0.1015 ppm	0.4917 ppm
Concentration per Run 2	0.1618 ppm	3.3889 ppm	0.9981 ppm	7.4285 ppm	0.9844 ppm	0.1050 ppm	0.4926 ppm
Concentration per Run 3	0.1571 ppm	3.3755 ppm	1.0038 ppm	7.4588 ppm	0.9853 ppm	0.1033 ppm	0.4927 ppm
Concentration RSD	1.7 %	0.3 %	0.4 %	2.0 %	0.0 %	1.7 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5596 ppm	89.7617 %	70.9576 %	72.9388 %	89.9213 %	60.4868 %	70.0175 %
Concentration per Run 1	0.5609 ppm	89.6407 %	70.8284 %	72.7988 %	89.3919 %	60.4642 %	69.7022 %
Concentration per Run 2	0.5579 ppm	90.6975 %	71.0910 %	72.9138 %	90.8652 %	60.5093 %	70.1727 %
Concentration per Run 3	0.5600 ppm	88.9468 %	70.9533 %	73.1038 %	89.5068 %	60.4869 %	70.1776 %
Concentration RSD	0.3 %	1.0 %	0.2 %	0.2 %	0.9 %	0.0 %	0.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557734-01d5 WG2115674
 Analysis started at: 9/24/2025 16:20:03
 Comments: <Comment>
 Rack: 1
 Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.1387 ppm	0.0030 ppm	0.9071 ppm	0.0003 ppm	0.0000 ppm	73.0267 ppm
Concentration per Run 1	0.0004 ppm	0.1312 ppm	0.0041 ppm	0.9151 ppm	0.0002 ppm	0.0000 ppm	73.6432 ppm
Concentration per Run 2	-0.0003 ppm	0.1457 ppm	0.0015 ppm	0.9036 ppm	0.0004 ppm	0.0000 ppm	73.1127 ppm
Concentration per Run 3	0.0004 ppm	0.1391 ppm	0.0034 ppm	0.9025 ppm	0.0002 ppm	-0.0001 ppm	72.3241 ppm
Concentration RSD	252.4 %	5.2 %	44.6 %	0.8 %	47.1 %	773.7 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0005 ppm	0.0012 ppm	0.0035 ppm	0.1745 ppm	79.1655 ppm	0.0360 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0013 ppm	0.0033 ppm	0.1730 ppm	79.6486 ppm	0.0355 ppm
Concentration per Run 2	0.0001 ppm	0.0005 ppm	0.0014 ppm	0.0034 ppm	0.1756 ppm	79.1186 ppm	0.0359 ppm
Concentration per Run 3	0.0000 ppm	0.0008 ppm	0.0010 ppm	0.0037 ppm	0.1749 ppm	78.7294 ppm	0.0365 ppm
Concentration RSD	73.2 %	55.0 %	18.0 %	5.4 %	0.8 %	0.6 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	229.0803 ppm	0.0052 ppm	0.0032 ppm	1,522.1916 [SIC 500]	-0.0007 ppm	0.0020 ppm	0.0007 ppm
Concentration per Run 1	230.3841 ppm	0.0052 ppm	0.0033 ppm	1,553.0550 ppm	-0.0001 ppm	0.0019 ppm	-0.0010 ppm
Concentration per Run 2	227.8010 ppm	0.0055 ppm	0.0033 ppm	1,527.3196 ppm	-0.0004 ppm	0.0021 ppm	0.0025 ppm
Concentration per Run 3	229.0558 ppm	0.0050 ppm	0.0031 ppm	1,486.2001 ppm	-0.0016 ppm	0.0019 ppm	0.0005 ppm
Concentration RSD	0.6 %	4.7 %	4.5 %	2.2 %	111.4 %	6.0 %	267.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	0.2984 ppm	0.0014 ppm	1.3491 ppm	0.0088 ppm	0.0026 ppm	0.0003 ppm
Concentration per Run 1	0.0045 ppm	0.3017 ppm	0.0017 ppm	1.3581 ppm	0.0089 ppm	0.0013 ppm	0.0004 ppm
Concentration per Run 2	-0.0024 ppm	0.2957 ppm	0.0020 ppm	1.3487 ppm	0.0088 ppm	0.0023 ppm	0.0004 ppm
Concentration per Run 3	-0.0028 ppm	0.2980 ppm	0.0005 ppm	1.3404 ppm	0.0086 ppm	0.0042 ppm	0.0000 ppm
Concentration RSD	1,588.8 %	1.0 %	54.9 %	0.7 %	1.6 %	57.1 %	72.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0035 ppm	96.4345 %	84.1530 %	86.6512 %	97.7643 %	75.6967 %	84.4766 %
Concentration per Run 1	0.0035 ppm	96.5126 %	84.1603 %	86.5348 %	97.6866 %	75.5085 %	84.5508 %
Concentration per Run 2	0.0037 ppm	96.3967 %	84.4587 %	86.7606 %	97.6443 %	76.1751 %	84.7471 %
Concentration per Run 3	0.0034 ppm	96.3942 %	83.8399 %	86.6583 %	97.9621 %	75.4066 %	84.1320 %
Concentration RSD	4.6 %	0.1 %	0.4 %	0.1 %	0.2 %	0.6 %	0.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2115674-7d5 WG2115674
 Analysis started at: 9/24/2025 16:39:33
 Comments: <Comment>
 Rack: 1
 Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0120 ppm	0.5587 ppm	0.0355 ppm	1.1207 ppm	0.3938 ppm	0.0099 ppm	74.4659 ppm
Concentration per Run 1	0.0119 ppm	0.5613 ppm	0.0357 ppm	1.1163 ppm	0.3942 ppm	0.0099 ppm	74.6513 ppm
Concentration per Run 2	0.0118 ppm	0.5578 ppm	0.0360 ppm	1.1259 ppm	0.3944 ppm	0.0099 ppm	74.4296 ppm
Concentration per Run 3	0.0123 ppm	0.5570 ppm	0.0350 ppm	1.1200 ppm	0.3929 ppm	0.0098 ppm	74.3169 ppm
Concentration RSD	2.0 %	0.4 %	1.5 %	0.4 %	0.2 %	0.6 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0118 ppm	0.1081 ppm	0.0407 ppm	0.0560 ppm	0.3771 ppm	80.2096 ppm	0.0352 ppm
Concentration per Run 1	0.0118 ppm	0.1079 ppm	0.0411 ppm	0.0556 ppm	0.3808 ppm	80.2657 ppm	0.0339 ppm
Concentration per Run 2	0.0118 ppm	0.1085 ppm	0.0403 ppm	0.0559 ppm	0.3751 ppm	80.3053 ppm	0.0366 ppm
Concentration per Run 3	0.0119 ppm	0.1078 ppm	0.0407 ppm	0.0565 ppm	0.3755 ppm	80.0579 ppm	0.0351 ppm
Concentration RSD	0.7 %	0.3 %	1.1 %	0.8 %	0.8 %	0.2 %	3.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	224.3040 ppm	0.1022 ppm	0.2248 ppm	1,610.7368 [SIC 500]	0.1060 ppm	0.1118 ppm	0.1214 ppm
Concentration per Run 1	224.9031 ppm	0.1024 ppm	0.2227 ppm	1,629.9215 ppm	0.1061 ppm	0.1107 ppm	0.1213 ppm
Concentration per Run 2	224.3669 ppm	0.1022 ppm	0.2258 ppm	1,609.5363 ppm	0.1061 ppm	0.1134 ppm	0.1242 ppm
Concentration per Run 3	223.6419 ppm	0.1021 ppm	0.2259 ppm	1,592.7525 ppm	0.1058 ppm	0.1112 ppm	0.1188 ppm
Concentration RSD	0.3 %	0.1 %	0.8 %	1.2 %	0.1 %	1.3 %	2.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0292 ppm	0.5929 ppm	0.2111 ppm	1.5263 ppm	0.2047 ppm	0.0230 ppm	0.1018 ppm
Concentration per Run 1	0.0305 ppm	0.5894 ppm	0.2107 ppm	1.5274 ppm	0.2055 ppm	0.0230 ppm	0.1026 ppm
Concentration per Run 2	0.0268 ppm	0.5965 ppm	0.2120 ppm	1.5286 ppm	0.2046 ppm	0.0249 ppm	0.1014 ppm
Concentration per Run 3	0.0303 ppm	0.5928 ppm	0.2106 ppm	1.5228 ppm	0.2041 ppm	0.0212 ppm	0.1014 ppm
Concentration RSD	7.1 %	0.6 %	0.4 %	0.2 %	0.3 %	8.1 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1172 ppm	98.1002 %	86.0836 %	87.8013 %	97.8950 %	75.9251 %	85.4174 %
Concentration per Run 1	0.1166 ppm	98.1773 %	85.6841 %	88.4671 %	97.8816 %	76.6035 %	85.0605 %
Concentration per Run 2	0.1175 ppm	97.9868 %	86.3677 %	87.6834 %	97.9455 %	75.5980 %	85.6311 %
Concentration per Run 3	0.1176 ppm	98.1366 %	86.1989 %	87.2532 %	97.8580 %	75.5740 %	85.5607 %
Concentration RSD	0.4 %	0.1 %	0.4 %	0.7 %	0.0 %	0.8 %	0.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2115674-8d5 WG2115674
 Analysis started at: 9/24/2025 16:44:13
 Comments: <Comment>
 Rack: 1
 Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.1406 ppm	0.0040 ppm	0.9088 ppm	0.0003 ppm	0.0000 ppm	72.9560 ppm
Concentration per Run 1	-0.0002 ppm	0.1447 ppm	0.0032 ppm	0.9070 ppm	0.0004 ppm	0.0000 ppm	73.4917 ppm
Concentration per Run 2	0.0001 ppm	0.1332 ppm	0.0045 ppm	0.9056 ppm	0.0002 ppm	0.0000 ppm	72.6428 ppm
Concentration per Run 3	0.0005 ppm	0.1438 ppm	0.0042 ppm	0.9137 ppm	0.0004 ppm	-0.0001 ppm	72.7335 ppm
Concentration RSD	261.8 %	4.5 %	17.2 %	0.5 %	28.8 %	143.7 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0003 ppm	0.0014 ppm	0.0037 ppm	0.1902 ppm	78.5053 ppm	0.0358 ppm
Concentration per Run 1	0.0001 ppm	0.0005 ppm	0.0014 ppm	0.0038 ppm	0.1902 ppm	79.1386 ppm	0.0361 ppm
Concentration per Run 2	0.0000 ppm	0.0004 ppm	0.0009 ppm	0.0038 ppm	0.1911 ppm	78.0495 ppm	0.0356 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0017 ppm	0.0036 ppm	0.1893 ppm	78.3278 ppm	0.0358 ppm
Concentration RSD	281.2 %	57.9 %	31.2 %	2.4 %	0.5 %	0.7 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	227.1323 ppm	0.0055 ppm	0.0020 ppm	1,571.4390 [SIC 500]	-0.0007 ppm	0.0019 ppm	0.0000 ppm
Concentration per Run 1	226.5420 ppm	0.0053 ppm	0.0019 ppm	1,606.1588 ppm	-0.0014 ppm	0.0028 ppm	0.0006 ppm
Concentration per Run 2	227.4373 ppm	0.0056 ppm	0.0021 ppm	1,567.0872 ppm	-0.0003 ppm	0.0026 ppm	-0.0005 ppm
Concentration per Run 3	227.4176 ppm	0.0057 ppm	0.0019 ppm	1,541.0710 ppm	-0.0004 ppm	0.0003 ppm	0.0001 ppm
Concentration RSD	0.2 %	3.5 %	3.2 %	2.1 %	82.0 %	71.2 %	1,279.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.3366 ppm	0.0015 ppm	1.3425 ppm	0.0090 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 1	-0.0015 ppm	0.3364 ppm	0.0016 ppm	1.3529 ppm	0.0089 ppm	0.0027 ppm	0.0004 ppm
Concentration per Run 2	-0.0007 ppm	0.3358 ppm	0.0029 ppm	1.3365 ppm	0.0087 ppm	-0.0011 ppm	0.0003 ppm
Concentration per Run 3	0.0062 ppm	0.3375 ppm	0.0000 ppm	1.3380 ppm	0.0094 ppm	0.0008 ppm	0.0001 ppm
Concentration RSD	315.9 %	0.3 %	96.1 %	0.7 %	3.9 %	234.4 %	70.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0035 ppm	96.5740 %	84.2080 %	86.3888 %	96.5104 %	75.1274 %	83.8984 %
Concentration per Run 1	0.0031 ppm	96.7039 %	84.3739 %	86.7456 %	96.2008 %	75.2839 %	84.0318 %
Concentration per Run 2	0.0036 ppm	96.5453 %	84.2838 %	86.2662 %	96.9157 %	75.2028 %	84.0384 %
Concentration per Run 3	0.0037 ppm	96.4729 %	83.9663 %	86.1547 %	96.4147 %	74.8955 %	83.6248 %
Concentration RSD	9.5 %	0.1 %	0.3 %	0.4 %	0.4 %	0.3 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2115674-9d5 WG2115674
 Analysis started at: 9/24/2025 16:48:55
 Comments: <Comment>
 Rack: 1
 Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0523 ppm	2.0410 ppm	0.1404 ppm	1.9075 ppm	1.8448 ppm	0.0456 ppm	79.6768 ppm
Concentration per Run 1	0.0521 ppm	2.0442 ppm	0.1403 ppm	1.9018 ppm	1.8451 ppm	0.0455 ppm	79.8957 ppm
Concentration per Run 2	0.0524 ppm	2.0359 ppm	0.1419 ppm	1.9093 ppm	1.8420 ppm	0.0456 ppm	79.6607 ppm
Concentration per Run 3	0.0524 ppm	2.0427 ppm	0.1389 ppm	1.9116 ppm	1.8471 ppm	0.0456 ppm	79.4740 ppm
Concentration RSD	0.4 %	0.2 %	1.1 %	0.3 %	0.1 %	0.1 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0553 ppm	0.4926 ppm	0.1859 ppm	0.2451 ppm	1.0650 ppm	86.2446 ppm	0.0330 ppm
Concentration per Run 1	0.0552 ppm	0.4921 ppm	0.1868 ppm	0.2451 ppm	1.0641 ppm	86.3105 ppm	0.0331 ppm
Concentration per Run 2	0.0554 ppm	0.4944 ppm	0.1861 ppm	0.2457 ppm	1.0651 ppm	86.1366 ppm	0.0333 ppm
Concentration per Run 3	0.0552 ppm	0.4912 ppm	0.1848 ppm	0.2446 ppm	1.0657 ppm	86.2868 ppm	0.0326 ppm
Concentration RSD	0.3 %	0.3 %	0.5 %	0.2 %	0.1 %	0.1 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	228.9275 ppm	0.4506 ppm	1.0587 ppm	1,522.0673 {SIC 500}	0.4907 ppm	0.5160 ppm	0.5442 ppm
Concentration per Run 1	231.1853 ppm	0.4520 ppm	1.0554 ppm	1,562.2058 ppm	0.4899 ppm	0.5148 ppm	0.5421 ppm
Concentration per Run 2	229.5731 ppm	0.4494 ppm	1.0618 ppm	1,511.3941 ppm	0.4917 ppm	0.5170 ppm	0.5421 ppm
Concentration per Run 3	226.0242 ppm	0.4505 ppm	1.0588 ppm	1,492.6021 ppm	0.4907 ppm	0.5163 ppm	0.5483 ppm
Concentration RSD	1.2 %	0.3 %	0.3 %	2.4 %	0.2 %	0.2 %	0.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1290 ppm	1.2166 ppm	1.0211 {SIC 20}	2.2293 ppm	0.9475 ppm	0.1071 ppm	0.4737 ppm
Concentration per Run 1	0.1270 ppm	1.2150 ppm	1.0205 ppm	2.2288 ppm	0.9498 ppm	0.1078 ppm	0.4741 ppm
Concentration per Run 2	0.1318 ppm	1.2174 ppm	1.0228 ppm	2.2277 ppm	0.9499 ppm	0.1075 ppm	0.4761 ppm
Concentration per Run 3	0.1283 ppm	1.2173 ppm	1.0200 ppm	2.2313 ppm	0.9428 ppm	0.1059 ppm	0.4708 ppm
Concentration RSD	2.0 %	0.1 %	0.1 %	0.1 %	0.4 %	1.0 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5273 ppm	95.6501 %	84.1973 %	86.7071 %	95.9770 %	75.9410 %	83.9966 %
Concentration per Run 1	0.5264 ppm	95.9506 %	83.7101 %	87.1234 %	95.9279 %	76.2941 %	83.5895 %
Concentration per Run 2	0.5295 ppm	96.0265 %	84.1364 %	86.7171 %	96.4005 %	75.6915 %	83.9178 %
Concentration per Run 3	0.5261 ppm	94.9732 %	84.7454 %	86.2809 %	95.6026 %	75.8374 %	84.4824 %
Concentration RSD	0.4 %	0.6 %	0.6 %	0.5 %	0.4 %	0.4 %	0.5 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2115674-10d25 WG2115674
 Analysis started at: 9/24/2025 16:53:23
 Comments: <Comment>
 Rack: 1
 Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0284 ppm	0.0022 ppm	0.1824 ppm	0.0002 ppm	0.0000 ppm	14.5923 ppm
Concentration per Run 1	0.0004 ppm	0.0217 ppm	0.0001 ppm	0.1830 ppm	0.0004 ppm	0.0000 ppm	14.6935 ppm
Concentration per Run 2	0.0001 ppm	0.0323 ppm	0.0035 ppm	0.1820 ppm	0.0001 ppm	0.0000 ppm	14.5462 ppm
Concentration per Run 3	0.0001 ppm	0.0310 ppm	0.0030 ppm	0.1822 ppm	0.0001 ppm	0.0000 ppm	14.5374 ppm
Concentration RSD	82.5 %	20.4 %	82.8 %	0.3 %	85.9 %	19.4 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0017 ppm	0.0347 ppm	15.0110 ppm	0.0062 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	0.0007 ppm	0.0018 ppm	0.0356 ppm	15.0938 ppm	0.0063 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0013 ppm	0.0344 ppm	14.9943 ppm	0.0059 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0021 ppm	0.0341 ppm	14.9449 ppm	0.0064 ppm
Concentration RSD	165.9 %	454.8 %	51.5 %	23.9 %	2.3 %	0.5 %	4.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	45.9693 ppm	0.0011 ppm	0.0013 ppm	360.7182 ppm	-0.0003 ppm	0.0010 ppm	0.0008 ppm
Concentration per Run 1	45.8622 ppm	0.0009 ppm	0.0016 ppm	362.4161 ppm	-0.0001 ppm	0.0021 ppm	0.0006 ppm
Concentration per Run 2	46.1069 ppm	0.0011 ppm	0.0014 ppm	360.3120 ppm	-0.0004 ppm	0.0005 ppm	0.0007 ppm
Concentration per Run 3	45.9387 ppm	0.0012 ppm	0.0010 ppm	359.4266 ppm	-0.0006 ppm	0.0005 ppm	0.0010 ppm
Concentration RSD	0.3 %	16.7 %	23.1 %	0.4 %	74.7 %	93.7 %	24.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0008 ppm	0.0561 ppm	0.0007 ppm	0.2662 ppm	0.0024 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 1	0.0006 ppm	0.0555 ppm	0.0011 ppm	0.2676 ppm	0.0026 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run 2	-0.0031 ppm	0.0559 ppm	0.0007 ppm	0.2649 ppm	0.0024 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 3	0.0002 ppm	0.0567 ppm	0.0004 ppm	0.2661 ppm	0.0022 ppm	0.0015 ppm	0.0000 ppm
Concentration RSD	256.2 %	1.1 %	49.1 %	0.5 %	8.5 %	105.3 %	120.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0013 ppm	98.9439 %	93.2284 %	94.3172 %	99.4167 %	87.7155 %	93.5324 %
Concentration per Run 1	0.0014 ppm	98.9530 %	93.5943 %	94.2961 %	99.0156 %	87.7285 %	93.8708 %
Concentration per Run 2	0.0011 ppm	98.5439 %	92.9720 %	94.2615 %	99.3033 %	87.7738 %	93.3087 %
Concentration per Run 3	0.0015 ppm	99.3348 %	93.1190 %	94.3939 %	99.9311 %	87.6440 %	93.4176 %
Concentration RSD	13.9 %	0.4 %	0.3 %	0.1 %	0.5 %	0.1 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
 Analysis started at: 9/24/2025 16:57:59
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4679 ppm	0.4781 ppm	0.4744 ppm	0.4862 ppm	0.4797 ppm	0.4828 ppm	0.5029 ppm
Concentration per Run 1	0.4776 ppm	0.4891 ppm	0.4750 ppm	0.4863 ppm	0.4862 ppm	0.4903 ppm	0.5063 ppm
Concentration per Run 2	0.4778 ppm	0.4677 ppm	0.4728 ppm	0.4855 ppm	0.4767 ppm	0.4791 ppm	0.5005 ppm
Concentration per Run 3	0.4482 ppm	0.4776 ppm	0.4754 ppm	0.4868 ppm	0.4763 ppm	0.4789 ppm	0.5019 ppm
Recovery Percentage 1	93.573 %	95.627 %	94.885 %	97.235 %	95.946 %	96.557 %	100.580 %
Concentration RSD	3.6 %	2.2 %	0.3 %	0.1 %	1.2 %	1.3 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4916 ppm	0.4998 ppm	0.4792 ppm	0.4837 ppm	0.4849 ppm	5.1097 ppm	0.4948 ppm
Concentration per Run 1	0.4917 ppm	0.4998 ppm	0.4894 ppm	0.4939 ppm	0.4933 ppm	5.1894 ppm	0.5018 ppm
Concentration per Run 2	0.4915 ppm	0.4993 ppm	0.4898 ppm	0.4947 ppm	0.4808 ppm	5.0800 ppm	0.4921 ppm
Concentration per Run 3	0.4916 ppm	0.5004 ppm	0.4585 ppm	0.4626 ppm	0.4807 ppm	5.0597 ppm	0.4905 ppm
Recovery Percentage 1	98.315 %	99.969 %	95.850 %	96.748 %	96.986 %	102.194 %	98.966 %
Concentration RSD	0.0 %	0.1 %	3.7 %	3.8 %	1.5 %	1.4 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4820 ppm	0.4862 ppm	0.4869 ppm	10.2922 ppm	0.4991 ppm	0.5039 ppm	0.5072 ppm
Concentration per Run 1	0.4936 ppm	0.4927 ppm	0.4867 ppm	10.4744 ppm	0.5002 ppm	0.5037 ppm	0.5064 ppm
Concentration per Run 2	0.4925 ppm	0.4829 ppm	0.4870 ppm	10.2127 ppm	0.4977 ppm	0.5043 ppm	0.5078 ppm
Concentration per Run 3	0.4599 ppm	0.4828 ppm	0.4871 ppm	10.1895 ppm	0.4995 ppm	0.5037 ppm	0.5074 ppm
Recovery Percentage 1	96.396 %	97.231 %	97.380 %	102.922 %	99.826 %	100.779 %	101.440 %
Concentration RSD	4.0 %	1.2 %	0.0 %	1.5 %	0.3 %	0.1 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4834 ppm	5.4078 ppm	0.4914 ppm	0.4822 ppm	0.4693 ppm	0.5145 ppm	0.4761 ppm
Concentration per Run 1	0.4832 ppm	5.4050 ppm	0.4925 ppm	0.4888 ppm	0.4786 ppm	0.5137 ppm	0.4852 ppm
Concentration per Run 2	0.4810 ppm	5.4045 ppm	0.4917 ppm	0.4790 ppm	0.4794 ppm	0.5133 ppm	0.4862 ppm
Concentration per Run 3	0.4859 ppm	5.4139 ppm	0.4900 ppm	0.4789 ppm	0.4498 ppm	0.5166 ppm	0.4568 ppm
Recovery Percentage 1	96.675 %	103.006 %	98.275 %	96.445 %	93.858 %	102.899 %	95.214 %
Concentration RSD	0.5 %	0.1 %	0.3 %	1.2 %	3.6 %	0.4 %	3.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4947 ppm	102.2126 %	103.7105 %	101.0514 %	102.2811 %	100.5719 %	102.4694 %
Concentration per Run 1	0.4953 ppm	100.8555 %	101.7298 %	101.1455 %	100.4555 %	100.6943 %	102.3751 %
Concentration per Run 2	0.4943 ppm	102.9759 %	101.9627 %	101.0246 %	103.1734 %	100.5823 %	102.5638 %
Concentration per Run 3	0.4944 ppm	102.8065 %	107.4389 %	100.9840 %	103.2144 %	100.4390 %	N/A
Recovery Percentage 1	98.931 %						
Concentration RSD	0.1 %	1.2 %	3.1 %	0.1 %	1.5 %	0.1 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
 Analysis started at: 9/24/2025 17:02:14
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0035 ppm	0.0000 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 1	0.0000 ppm	0.0033 ppm	-0.0019 ppm	0.0038 ppm	-0.0001 ppm	0.0000 ppm	0.0022 ppm
Concentration per Run 2	-0.0003 ppm	0.0071 ppm	0.0008 ppm	0.0038 ppm	-0.0001 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run 3	0.0001 ppm	-0.0097 ppm	0.0021 ppm	0.0030 ppm	0.0001 ppm	0.0000 ppm	0.0030 ppm
Recovery Percentage 1	-0.537 %	0.251 %	7.113 %	11.801 %	-0.322 %	0.745 %	1.692 %
Concentration RSD	769.0 %	3,506.1 %	575.1 %	12.6 %	345.7 %	62.8 %	97.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0011 ppm	0.0712 ppm	-0.0012 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0009 ppm	0.0865 ppm	-0.0016 ppm
Concentration per Run 2	-0.0001 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0697 ppm	-0.0020 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0019 ppm	0.0574 ppm	-0.0001 ppm
Recovery Percentage 1	-1.109 %	-2.263 %	0.027 %	1.238 %	2.231 %	2.848 %	-12.257 %
Concentration RSD	121.1 %	62.2 %	3,837.3 %	17.0 %	58.7 %	20.5 %	80.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0030 ppm	-0.0001 ppm	0.0005 ppm	0.5827 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	0.0045 ppm	0.0001 ppm	0.0008 ppm	0.6038 ppm	0.0002 ppm	-0.0003 ppm	-0.0011 ppm
Concentration per Run 2	0.0003 ppm	0.0003 ppm	0.0002 ppm	0.5841 ppm	0.0003 ppm	-0.0008 ppm	0.0009 ppm
Concentration per Run 3	0.0044 ppm	-0.0005 ppm	0.0004 ppm	0.5601 ppm	0.0003 ppm	0.0011 ppm	0.0001 ppm
Recovery Percentage 1	3.042 %	-0.556 %	0.940 %	29.133 %	1.023 %	0.306 %	-0.069 %
Concentration RSD	78.6 %	714.3 %	65.6 %	3.8 %	18.0 %	3,235.6 %	2,880.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0016 ppm	-0.0004 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run 1	-0.0019 ppm	-0.0012 ppm	-0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run 2	-0.0025 ppm	-0.0003 ppm	0.0012 ppm	0.0001 ppm	-0.0001 ppm	0.0017 ppm	-0.0005 ppm
Concentration per Run 3	-0.0003 ppm	0.0004 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0001 ppm
Recovery Percentage 1	-15.573 %	-0.075 %	0.655 %	0.962 %	-0.263 %	4.989 %	-2.038 %
Concentration RSD	74.7 %	215.0 %	291.2 %	107.0 %	130.0 %	58.6 %	142.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	102.7673 %	103.1867 %	102.0918 %	101.5310 %	103.3262 %	102.6347 %
Concentration per Run 1	0.0001 ppm	101.5241 %	103.3457 %	102.4801 %	100.1745 %	103.4265 %	102.7526 %
Concentration per Run 2	0.0001 ppm	102.7921 %	103.3789 %	102.0034 %	101.5767 %	103.4442 %	102.7779 %
Concentration per Run 3	0.0001 ppm	103.9858 %	102.8356 %	101.7917 %	102.8418 %	103.1079 %	102.3736 %
Recovery Percentage 1	1.583 %						
Concentration RSD	26.5 %	1.2 %	0.3 %	0.3 %	1.3 %	0.2 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557691-12d2 WG2117260
 Analysis started at: 9/24/2025 17:19:57
 Comments: <Comment>
 Rack: 1
 Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	28.7117 ppm	0.0436 ppm	0.0052 ppm	0.1309 ppm	0.0006 ppm	6.7333 ppm
Concentration per Run 1	0.0000 ppm	28.7572 ppm	0.0448 ppm	0.0052 ppm	0.1310 ppm	0.0006 ppm	6.7498 ppm
Concentration per Run 2	0.0001 ppm	28.7853 ppm	0.0421 ppm	0.0052 ppm	0.1312 ppm	0.0006 ppm	6.7573 ppm
Concentration per Run 3	0.0005 ppm	28.5925 ppm	0.0438 ppm	0.0053 ppm	0.1306 ppm	0.0006 ppm	6.6928 ppm
Concentration RSD	131.9 %	0.4 %	3.1 %	0.7 %	0.2 %	3.0 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0009 ppm	0.0017 ppm	0.0598 ppm	0.1158 ppm	46.0993 ppm	2.6843 ppm	0.0111 ppm
Concentration per Run 1	0.0009 ppm	0.0019 ppm	0.0596 ppm	0.1165 ppm	46.2280 ppm	2.6908 ppm	0.0131 ppm
Concentration per Run 2	0.0009 ppm	0.0018 ppm	0.0600 ppm	0.1149 ppm	46.1695 ppm	2.7033 ppm	0.0091 ppm
Concentration per Run 3	0.0008 ppm	0.0015 ppm	0.0597 ppm	0.1160 ppm	45.9004 ppm	2.6587 ppm	0.0110 ppm
Concentration RSD	5.5 %	11.6 %	0.4 %	0.7 %	0.4 %	0.9 %	18.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.6285 ppm	0.1997 ppm	0.0060 ppm	0.5680 ppm	0.0036 ppm	0.3775 ppm	0.0020 ppm
Concentration per Run 1	1.6278 ppm	0.2001 ppm	0.0063 ppm	0.5930 ppm	0.0036 ppm	0.3816 ppm	0.0023 ppm
Concentration per Run 2	1.6307 ppm	0.2001 ppm	0.0059 ppm	0.5577 ppm	0.0030 ppm	0.3756 ppm	0.0025 ppm
Concentration per Run 3	1.6269 ppm	0.1991 ppm	0.0059 ppm	0.5532 ppm	0.0040 ppm	0.3753 ppm	0.0012 ppm
Concentration RSD	0.1 %	0.3 %	3.2 %	3.8 %	14.1 %	0.9 %	36.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0001 ppm	5.5408 ppm	0.0103 ppm	0.0194 ppm	0.3598 ppm	0.0001 ppm	0.0867 ppm
Concentration per Run 1	-0.0017 ppm	5.5854 ppm	0.0114 ppm	0.0193 ppm	0.3587 ppm	-0.0005 ppm	0.0866 ppm
Concentration per Run 2	0.0004 ppm	5.5191 ppm	0.0100 ppm	0.0193 ppm	0.3597 ppm	0.0001 ppm	0.0863 ppm
Concentration per Run 3	0.0015 ppm	5.5180 ppm	0.0094 ppm	0.0195 ppm	0.3610 ppm	0.0006 ppm	0.0872 ppm
Concentration RSD	1,992.6 %	0.7 %	10.2 %	0.8 %	0.3 %	788.7 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1102 ppm	107.5744 %	104.9294 %	104.8035 %	105.2587 %	98.6681 %	102.7851 %
Concentration per Run 1	0.1114 ppm	107.6245 %	104.9734 %	104.9798 %	105.0995 %	98.7977 %	102.7042 %
Concentration per Run 2	0.1099 ppm	107.4019 %	105.0120 %	104.9457 %	105.0184 %	99.0513 %	102.9352 %
Concentration per Run 3	0.1094 ppm	107.6966 %	104.8027 %	104.4848 %	105.6581 %	98.1553 %	102.7160 %
Concentration RSD	0.9 %	0.1 %	0.1 %	0.3 %	0.3 %	0.5 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557691-13d2 WG2117260
 Analysis started at: 9/24/2025 17:24:19
 Comments: <Comment>
 Rack: 1
 Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	11.1992 ppm	0.0164 ppm	0.0028 ppm	0.0563 ppm	0.0002 ppm	3.6456 ppm
Concentration per Run 1	0.0002 ppm	11.3065 ppm	0.0151 ppm	0.0029 ppm	0.0569 ppm	0.0002 ppm	3.6858 ppm
Concentration per Run 2	-0.0001 ppm	11.1608 ppm	0.0173 ppm	0.0026 ppm	0.0559 ppm	0.0002 ppm	3.6231 ppm
Concentration per Run 3	-0.0001 ppm	11.1303 ppm	0.0169 ppm	0.0028 ppm	0.0561 ppm	0.0002 ppm	3.6279 ppm
Concentration RSD	9,239.9 %	0.8 %	7.0 %	5.4 %	1.0 %	7.9 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0005 ppm	0.0007 ppm	0.0438 ppm	0.0781 ppm	31.9546 ppm	1.7721 ppm	0.0030 ppm
Concentration per Run 1	0.0004 ppm	0.0005 ppm	0.0437 ppm	0.0786 ppm	32.2920 ppm	1.8195 ppm	0.0044 ppm
Concentration per Run 2	0.0005 ppm	0.0010 ppm	0.0440 ppm	0.0777 ppm	31.8383 ppm	1.7418 ppm	0.0018 ppm
Concentration per Run 3	0.0005 ppm	0.0005 ppm	0.0437 ppm	0.0779 ppm	31.7336 ppm	1.7549 ppm	0.0027 ppm
Concentration RSD	8.2 %	41.9 %	0.4 %	0.6 %	0.9 %	2.3 %	44.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.8852 ppm	0.1207 ppm	0.0028 ppm	0.3891 ppm	-0.0002 ppm	0.1489 ppm	0.0016 ppm
Concentration per Run 1	2.8961 ppm	0.1223 ppm	0.0028 ppm	0.3957 ppm	-0.0003 ppm	0.1515 ppm	0.0021 ppm
Concentration per Run 2	2.8800 ppm	0.1200 ppm	0.0029 ppm	0.3961 ppm	-0.0002 ppm	0.1469 ppm	0.0015 ppm
Concentration per Run 3	2.8795 ppm	0.1198 ppm	0.0027 ppm	0.3755 ppm	0.0001 ppm	0.1482 ppm	0.0013 ppm
Concentration RSD	0.3 %	1.1 %	2.8 %	3.0 %	128.5 %	1.6 %	27.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0023 ppm	3.5230 ppm	0.0106 ppm	0.0104 ppm	0.3284 ppm	0.0002 ppm	0.0423 ppm
Concentration per Run 1	0.0021 ppm	3.5762 ppm	0.0112 ppm	0.0105 ppm	0.3283 ppm	0.0020 ppm	0.0425 ppm
Concentration per Run 2	0.0010 ppm	3.4843 ppm	0.0097 ppm	0.0103 ppm	0.3295 ppm	-0.0011 ppm	0.0422 ppm
Concentration per Run 3	0.0039 ppm	3.5085 ppm	0.0108 ppm	0.0105 ppm	0.3273 ppm	-0.0004 ppm	0.0421 ppm
Concentration RSD	62.1 %	1.4 %	7.2 %	1.1 %	0.3 %	1,077.4 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0639 ppm	105.4713 %	103.3977 %	103.6043 %	104.4138 %	100.3443 %	102.9574 %
Concentration per Run 1	0.0651 ppm	104.9809 %	103.4566 %	103.3580 %	103.4781 %	100.0268 %	102.9608 %
Concentration per Run 2	0.0633 ppm	105.7257 %	103.4315 %	104.2604 %	104.7018 %	101.2975 %	102.9395 %
Concentration per Run 3	0.0634 ppm	105.7073 %	103.3051 %	103.1943 %	105.0617 %	99.7087 %	102.9718 %
Concentration RSD	1.6 %	0.4 %	0.1 %	0.6 %	0.8 %	0.8 %	0.0 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557691-14d2 WG2117260
 Analysis started at: 9/24/2025 17:28:43
 Comments: <Comment>
 Rack: 1
 Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	34.9678 ppm	0.0363 ppm	0.0021 ppm	0.0649 ppm	0.0003 ppm	1.4534 ppm
Concentration per Run 1	0.0003 ppm	35.0158 ppm	0.0369 ppm	0.0024 ppm	0.0649 ppm	0.0004 ppm	1.4468 ppm
Concentration per Run 2	0.0004 ppm	34.9038 ppm	0.0349 ppm	0.0019 ppm	0.0648 ppm	0.0004 ppm	1.4694 ppm
Concentration per Run 3	0.0002 ppm	34.9837 ppm	0.0371 ppm	0.0022 ppm	0.0650 ppm	0.0003 ppm	1.4439 ppm
Concentration RSD	36.9 %	0.2 %	3.3 %	12.1 %	0.1 %	4.3 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0657 ppm	0.0267 ppm	57.6993 ppm	0.9673 ppm	0.0153 ppm
Concentration per Run 1	-0.0001 ppm	0.0006 ppm	0.0654 ppm	0.0268 ppm	57.8061 ppm	0.9684 ppm	0.0141 ppm
Concentration per Run 2	-0.0001 ppm	0.0004 ppm	0.0657 ppm	0.0268 ppm	57.6673 ppm	0.9702 ppm	0.0161 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0659 ppm	0.0267 ppm	57.6246 ppm	0.9633 ppm	0.0158 ppm
Concentration RSD	15.0 %	55.3 %	0.4 %	0.3 %	0.2 %	0.4 %	7.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.6427 ppm	0.0429 ppm	0.0106 ppm	0.3044 ppm	0.0002 ppm	0.0428 ppm	0.0001 ppm
Concentration per Run 1	0.6428 ppm	0.0434 ppm	0.0106 ppm	0.3083 ppm	0.0001 ppm	0.0446 ppm	-0.0005 ppm
Concentration per Run 2	0.6473 ppm	0.0426 ppm	0.0109 ppm	0.3044 ppm	0.0003 ppm	0.0423 ppm	0.0010 ppm
Concentration per Run 3	0.6379 ppm	0.0427 ppm	0.0104 ppm	0.3005 ppm	0.0002 ppm	0.0416 ppm	-0.0001 ppm
Concentration RSD	0.7 %	1.1 %	2.3 %	1.3 %	30.2 %	3.6 %	596.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0038 ppm	4.5694 ppm	0.0060 ppm	0.0068 ppm	0.2449 ppm	0.0009 ppm	0.0647 ppm
Concentration per Run 1	0.0046 ppm	4.6151 ppm	0.0063 ppm	0.0067 ppm	0.2451 ppm	0.0014 ppm	0.0647 ppm
Concentration per Run 2	0.0030 ppm	4.5761 ppm	0.0055 ppm	0.0068 ppm	0.2456 ppm	-0.0002 ppm	0.0649 ppm
Concentration per Run 3	0.0039 ppm	4.5171 ppm	0.0062 ppm	0.0068 ppm	0.2440 ppm	0.0014 ppm	0.0644 ppm
Concentration RSD	21.1 %	1.1 %	7.0 %	1.0 %	0.3 %	105.7 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0264 ppm	105.0313 %	102.3226 %	102.2559 %	105.6740 %	98.9990 %	103.4135 %
Concentration per Run 1	0.0269 ppm	104.8181 %	102.3170 %	102.1233 %	105.2020 %	98.7327 %	103.4193 %
Concentration per Run 2	0.0265 ppm	105.1040 %	102.2897 %	102.3145 %	105.8895 %	99.0430 %	103.3791 %
Concentration per Run 3	0.0259 ppm	105.1717 %	102.3610 %	102.3298 %	105.9305 %	99.2215 %	103.4422 %
Concentration RSD	1.8 %	0.2 %	0.0 %	0.1 %	0.4 %	0.2 %	0.0 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557691-15d2 WG2117260
Analysis started at: 9/24/2025 17:33:46
Comments: <Comment>
Rack: 1
Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	11.0908 ppm	0.0198 ppm	0.0038 ppm	0.0675 ppm	0.0003 ppm	5.8813 ppm
Concentration per Run 1	0.0001 ppm	10.9757 ppm	0.0196 ppm	0.0038 ppm	0.0672 ppm	0.0003 ppm	5.8468 ppm
Concentration per Run 2	0.0001 ppm	11.1389 ppm	0.0203 ppm	0.0041 ppm	0.0676 ppm	0.0003 ppm	5.8765 ppm
Concentration per Run 3	0.0000 ppm	11.1578 ppm	0.0196 ppm	0.0035 ppm	0.0678 ppm	0.0003 ppm	5.9206 ppm
Concentration RSD	50.6 %	0.9 %	2.0 %	7.4 %	0.5 %	8.6 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0008 ppm	0.0010 ppm	0.0757 ppm	0.1513 ppm	37.8806 ppm	1.0618 ppm	0.0021 ppm
Concentration per Run 1	0.0008 ppm	0.0011 ppm	0.0756 ppm	0.1510 ppm	37.5732 ppm	1.0519 ppm	0.0030 ppm
Concentration per Run 2	0.0008 ppm	0.0009 ppm	0.0757 ppm	0.1514 ppm	37.9884 ppm	1.0661 ppm	0.0011 ppm
Concentration per Run 3	0.0008 ppm	0.0009 ppm	0.0759 ppm	0.1515 ppm	38.0801 ppm	1.0675 ppm	0.0022 ppm
Concentration RSD	0.6 %	12.3 %	0.2 %	0.2 %	0.7 %	0.8 %	46.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.4570 ppm	0.1483 ppm	0.0022 ppm	0.2570 ppm	0.0005 ppm	0.3072 ppm	0.0009 ppm
Concentration per Run 1	1.4566 ppm	0.1467 ppm	0.0019 ppm	0.2515 ppm	0.0005 ppm	0.3085 ppm	0.0000 ppm
Concentration per Run 2	1.4583 ppm	0.1486 ppm	0.0022 ppm	0.2591 ppm	0.0001 ppm	0.3068 ppm	0.0024 ppm
Concentration per Run 3	1.4560 ppm	0.1495 ppm	0.0025 ppm	0.2604 ppm	0.0008 ppm	0.3064 ppm	0.0004 ppm
Concentration RSD	0.1 %	0.9 %	12.7 %	1.9 %	69.5 %	0.4 %	135.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0010 ppm	2.8822 ppm	0.0085 ppm	0.0148 ppm	0.2533 ppm	0.0010 ppm	0.0461 ppm
Concentration per Run 1	0.0004 ppm	2.8986 ppm	0.0082 ppm	0.0147 ppm	0.2527 ppm	0.0015 ppm	0.0460 ppm
Concentration per Run 2	-0.0022 ppm	2.8738 ppm	0.0087 ppm	0.0148 ppm	0.2531 ppm	0.0003 ppm	0.0465 ppm
Concentration per Run 3	-0.0010 ppm	2.8740 ppm	0.0087 ppm	0.0149 ppm	0.2542 ppm	0.0013 ppm	0.0459 ppm
Concentration RSD	134.8 %	0.5 %	3.5 %	0.6 %	0.3 %	63.1 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1163 ppm	106.3626 %	104.3660 %	103.4014 %	107.0391 %	100.5763 %	104.4785 %
Concentration per Run 1	0.1169 ppm	106.4625 %	104.2757 %	103.4126 %	107.7219 %	100.5166 %	104.4161 %
Concentration per Run 2	0.1164 ppm	106.2595 %	104.4805 %	103.3268 %	106.8870 %	100.7314 %	104.4940 %
Concentration per Run 3	0.1154 ppm	106.3660 %	104.3419 %	103.4648 %	106.5086 %	100.4809 %	104.5253 %
Concentration RSD	0.7 %	0.1 %	0.1 %	0.1 %	0.6 %	0.1 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557691-16d2 WG2117260
 Analysis started at: 9/24/2025 17:38:08
 Comments: <Comment>
 Rack: 1
 Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	26.4011 ppm	0.0244 ppm	0.0020 ppm	0.0435 ppm	0.0003 ppm	2.4876 ppm
Concentration per Run 1	-0.0005 ppm	26.8084 ppm	0.0239 ppm	0.0022 ppm	0.0444 ppm	0.0003 ppm	2.5241 ppm
Concentration per Run 2	-0.0003 ppm	26.8960 ppm	0.0232 ppm	0.0016 ppm	0.0442 ppm	0.0003 ppm	2.5438 ppm
Concentration per Run 3	0.0001 ppm	25.4990 ppm	0.0261 ppm	0.0022 ppm	0.0419 ppm	0.0003 ppm	2.3950 ppm
Concentration RSD	124.9 %	3.0 %	6.3 %	17.1 %	3.2 %	17.8 %	3.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0658 ppm	0.0324 ppm	48.7952 ppm	0.6452 ppm	0.0083 ppm
Concentration per Run 1	-0.0001 ppm	0.0005 ppm	0.0672 ppm	0.0327 ppm	49.5846 ppm	0.6424 ppm	0.0099 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0653 ppm	0.0324 ppm	49.6733 ppm	0.6765 ppm	0.0082 ppm
Concentration per Run 3	-0.0002 ppm	0.0003 ppm	0.0650 ppm	0.0320 ppm	47.1276 ppm	0.6166 ppm	0.0066 ppm
Concentration RSD	36.1 %	49.6 %	1.8 %	1.1 %	3.0 %	4.7 %	20.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.6699 ppm	0.0365 ppm	0.0030 ppm	0.2398 ppm	-0.0021 ppm	0.0364 ppm	0.0018 ppm
Concentration per Run 1	0.6812 ppm	0.0374 ppm	0.0030 ppm	0.2437 ppm	-0.0021 ppm	0.0359 ppm	0.0025 ppm
Concentration per Run 2	0.6702 ppm	0.0370 ppm	0.0033 ppm	0.2476 ppm	-0.0025 ppm	0.0365 ppm	0.0019 ppm
Concentration per Run 3	0.6581 ppm	0.0350 ppm	0.0027 ppm	0.2280 ppm	-0.0018 ppm	0.0367 ppm	0.0008 ppm
Concentration RSD	1.7 %	3.5 %	9.4 %	4.3 %	15.8 %	1.1 %	48.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0016 ppm	4.1476 ppm	0.0055 ppm	0.0093 ppm	0.1733 ppm	0.0001 ppm	0.0529 ppm
Concentration per Run 1	0.0022 ppm	4.1876 ppm	0.0059 ppm	0.0094 ppm	0.1771 ppm	0.0000 ppm	0.0536 ppm
Concentration per Run 2	0.0012 ppm	4.1564 ppm	0.0064 ppm	0.0096 ppm	0.1726 ppm	-0.0008 ppm	0.0528 ppm
Concentration per Run 3	0.0014 ppm	4.0989 ppm	0.0042 ppm	0.0090 ppm	0.1702 ppm	0.0012 ppm	0.0524 ppm
Concentration RSD	30.6 %	1.1 %	20.8 %	3.2 %	2.0 %	697.3 %	1.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0193 ppm	106.7011 %	101.9747 %	101.0317 %	107.9563 %	98.6259 %	102.8435 %
Concentration per Run 1	0.0194 ppm	105.2583 %	100.2773 %	100.4802 %	106.0565 %	98.5722 %	100.7238 %
Concentration per Run 2	0.0194 ppm	105.6933 %	102.2396 %	101.4700 %	106.6438 %	98.7949 %	103.2838 %
Concentration per Run 3	0.0192 ppm	109.1516 %	103.4073 %	101.1449 %	111.1685 %	98.5105 %	104.5228 %
Concentration RSD	0.7 %	2.0 %	1.6 %	0.5 %	2.6 %	0.2 %	1.9 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557691-17d2 WG2117260
 Analysis started at: 9/24/2025 17:42:35
 Comments: <Comment>
 Rack: 1
 Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	7.6704 ppm	0.0101 ppm	0.0027 ppm	0.1216 ppm	0.0002 ppm	4.0006 ppm
Concentration per Run 1	0.0000 ppm	7.8690 ppm	0.0113 ppm	0.0025 ppm	0.1246 ppm	0.0002 ppm	4.0983 ppm
Concentration per Run 2	0.0002 ppm	7.5822 ppm	0.0103 ppm	0.0026 ppm	0.1203 ppm	0.0001 ppm	3.9639 ppm
Concentration per Run 3	0.0005 ppm	7.5601 ppm	0.0088 ppm	0.0030 ppm	0.1199 ppm	0.0003 ppm	3.9396 ppm
Concentration RSD	98.0 %	2.2 %	12.8 %	8.8 %	2.1 %	39.0 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0009 ppm	0.0014 ppm	0.0294 ppm	0.1029 ppm	17.4244 ppm	0.5713 ppm	0.0007 ppm
Concentration per Run 1	0.0009 ppm	0.0013 ppm	0.0294 ppm	0.1027 ppm	17.8758 ppm	0.5674 ppm	-0.0001 ppm
Concentration per Run 2	0.0009 ppm	0.0014 ppm	0.0293 ppm	0.1031 ppm	17.2023 ppm	0.5561 ppm	0.0008 ppm
Concentration per Run 3	0.0009 ppm	0.0014 ppm	0.0294 ppm	0.1028 ppm	17.1950 ppm	0.5905 ppm	0.0015 ppm
Concentration RSD	3.0 %	4.5 %	0.1 %	0.2 %	2.2 %	3.1 %	113.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.7727 ppm	0.1907 ppm	0.0017 ppm	0.2215 ppm	0.0022 ppm	0.4231 ppm	0.0015 ppm
Concentration per Run 1	0.7736 ppm	0.1954 ppm	0.0018 ppm	0.2312 ppm	0.0019 ppm	0.4233 ppm	0.0033 ppm
Concentration per Run 2	0.7726 ppm	0.1886 ppm	0.0016 ppm	0.2227 ppm	0.0023 ppm	0.4213 ppm	0.0008 ppm
Concentration per Run 3	0.7719 ppm	0.1882 ppm	0.0018 ppm	0.2107 ppm	0.0023 ppm	0.4246 ppm	0.0004 ppm
Concentration RSD	0.1 %	2.1 %	5.3 %	4.7 %	10.7 %	0.4 %	106.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0014 ppm	2.3206 ppm	0.0087 ppm	0.0119 ppm	0.2503 ppm	-0.0005 ppm	0.0301 ppm
Concentration per Run 1	-0.0043 ppm	2.3236 ppm	0.0088 ppm	0.0120 ppm	0.2507 ppm	-0.0020 ppm	0.0300 ppm
Concentration per Run 2	-0.0004 ppm	2.3074 ppm	0.0090 ppm	0.0119 ppm	0.2505 ppm	0.0015 ppm	0.0303 ppm
Concentration per Run 3	0.0006 ppm	2.3306 ppm	0.0083 ppm	0.0118 ppm	0.2499 ppm	-0.0008 ppm	0.0300 ppm
Concentration RSD	190.0 %	0.5 %	4.1 %	0.8 %	0.2 %	398.3 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1162 ppm	105.0556 %	104.1418 %	102.8010 %	104.3640 %	100.9032 %	104.2694 %
Concentration per Run 1	0.1165 ppm	102.0701 %	103.8722 %	103.2859 %	101.2420 %	101.1641 %	104.0093 %
Concentration per Run 2	0.1153 ppm	106.6511 %	104.2632 %	102.9010 %	106.0231 %	101.2913 %	104.4250 %
Concentration per Run 3	0.1167 ppm	106.4458 %	104.2900 %	102.2159 %	105.8269 %	100.2543 %	104.3740 %
Concentration RSD	0.6 %	2.5 %	0.2 %	0.5 %	2.6 %	0.6 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557289-08d4 WG2116669
 Analysis started at: 9/24/2025 17:46:58
 Comments: <Comment>
 Rack: 1
 Vial: 30

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	45.3526 ppm	0.0305 ppm	0.1027 ppm	0.9097 ppm	0.0021 ppm	445.5622 ppm
Concentration per Run 1	-0.0003 ppm	45.4200 ppm	0.0279 ppm	0.1030 ppm	0.9116 ppm	0.0021 ppm	448.7597 ppm
Concentration per Run 2	-0.0005 ppm	45.3409 ppm	0.0320 ppm	0.1019 ppm	0.9090 ppm	0.0021 ppm	444.0333 ppm
Concentration per Run 3	-0.0001 ppm	45.2969 ppm	0.0316 ppm	0.1031 ppm	0.9086 ppm	0.0021 ppm	443.8937 ppm
Concentration RSD	62.7 %	0.1 %	7.3 %	0.6 %	0.2 %	0.2 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0019 ppm	0.0656 ppm	0.4205 ppm	0.0919 ppm	45.3996 ppm	8.9927 ppm	0.0911 ppm
Concentration per Run 1	0.0018 ppm	0.0659 ppm	0.4204 ppm	0.0921 ppm	45.4246 ppm	9.0166 ppm	0.0922 ppm
Concentration per Run 2	0.0019 ppm	0.0654 ppm	0.4203 ppm	0.0917 ppm	45.4010 ppm	8.9717 ppm	0.0910 ppm
Concentration per Run 3	0.0019 ppm	0.0656 ppm	0.4208 ppm	0.0919 ppm	45.3733 ppm	8.9899 ppm	0.0902 ppm
Concentration RSD	3.7 %	0.4 %	0.1 %	0.2 %	0.1 %	0.3 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	21.2584 ppm	0.8204 ppm	0.0068 ppm	11.1042 ppm	0.0809 ppm	2.7175 ppm	-0.0031 ppm
Concentration per Run 1	21.2948 ppm	0.8204 ppm	0.0069 ppm	11.1190 ppm	0.0806 ppm	2.7212 ppm	-0.0016 ppm
Concentration per Run 2	21.2335 ppm	0.8207 ppm	0.0069 ppm	11.0811 ppm	0.0812 ppm	2.7191 ppm	-0.0038 ppm
Concentration per Run 3	21.2470 ppm	0.8200 ppm	0.0067 ppm	11.1124 ppm	0.0809 ppm	2.7121 ppm	-0.0040 ppm
Concentration RSD	0.2 %	0.0 %	1.2 %	0.2 %	0.3 %	0.2 %	41.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0021 ppm	23.9167 [SIC 200]	0.0280 ppm	3.2821 ppm	3.1179 ppm	0.0004 ppm	0.1004 ppm
Concentration per Run 1	0.0043 ppm	23.9220 ppm	0.0281 ppm	3.2864 ppm	3.1211 ppm	-0.0013 ppm	0.0999 ppm
Concentration per Run 2	0.0014 ppm	23.8987 ppm	0.0282 ppm	3.2782 ppm	3.1147 ppm	0.0016 ppm	0.1006 ppm
Concentration per Run 3	0.0007 ppm	23.9293 ppm	0.0278 ppm	3.2816 ppm	3.1179 ppm	0.0010 ppm	0.1006 ppm
Concentration RSD	91.1 %	0.1 %	0.9 %	0.1 %	0.1 %	339.3 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	19.0840 ppm	109.1577 %	99.6180 %	98.6491 %	105.3699 %	86.0414 %	96.3857 %
Concentration per Run 1	19.1036 ppm	109.6866 %	99.2802 %	98.7659 %	105.4566 %	86.0975 %	96.1106 %
Concentration per Run 2	19.1078 ppm	108.9409 %	99.9374 %	98.6288 %	105.5717 %	86.0191 %	96.6411 %
Concentration per Run 3	19.0408 ppm	108.8457 %	99.6363 %	98.5527 %	105.0815 %	86.0077 %	96.4054 %
Concentration RSD	0.2 %	0.4 %	0.3 %	0.1 %	0.2 %	0.1 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
Analysis started at: 9/24/2025 17:51:26
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4769 ppm	0.4779 ppm	0.4748 ppm	0.4812 ppm	0.4766 ppm	0.4825 ppm	0.5386 ppm
Concentration per Run 1	0.4779 ppm	0.4791 ppm	0.4748 ppm	0.4832 ppm	0.4793 ppm	0.4844 ppm	0.5545 ppm
Concentration per Run 2	0.4765 ppm	0.4728 ppm	0.4749 ppm	0.4797 ppm	0.4725 ppm	0.4788 ppm	0.5269 ppm
Concentration per Run 3	0.4763 ppm	0.4819 ppm	0.4746 ppm	0.4808 ppm	0.4780 ppm	0.4841 ppm	0.5343 ppm
Recovery Percentage 1	95.383 %	95.584 %	94.952 %	96.247 %	95.321 %	96.492 %	107.712 %
Concentration RSD	0.2 %	1.0 %	0.0 %	0.4 %	0.8 %	0.7 %	2.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4904 ppm	0.4954 ppm	0.4915 ppm	0.4933 ppm	0.4908 ppm	4.9638 ppm	0.4912 ppm
Concentration per Run 1	0.4922 ppm	0.4962 ppm	0.4916 ppm	0.4955 ppm	0.4954 ppm	4.9920 ppm	0.4938 ppm
Concentration per Run 2	0.4895 ppm	0.4948 ppm	0.4912 ppm	0.4918 ppm	0.4848 ppm	4.9176 ppm	0.4867 ppm
Concentration per Run 3	0.4895 ppm	0.4953 ppm	0.4916 ppm	0.4927 ppm	0.4921 ppm	4.9819 ppm	0.4932 ppm
Recovery Percentage 1	98.082 %	99.084 %	98.294 %	98.668 %	98.151 %	99.277 %	98.243 %
Concentration RSD	0.3 %	0.1 %	0.0 %	0.4 %	1.1 %	0.8 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4906 ppm	0.4846 ppm	0.4852 ppm	9.7305 ppm	0.4974 ppm	0.5026 ppm	0.5033 ppm
Concentration per Run 1	0.4907 ppm	0.4875 ppm	0.4865 ppm	9.7944 ppm	0.4992 ppm	0.5048 ppm	0.5054 ppm
Concentration per Run 2	0.4910 ppm	0.4808 ppm	0.4845 ppm	9.6476 ppm	0.4968 ppm	0.5006 ppm	0.5005 ppm
Concentration per Run 3	0.4900 ppm	0.4854 ppm	0.4846 ppm	9.7497 ppm	0.4963 ppm	0.5023 ppm	0.5041 ppm
Recovery Percentage 1	98.114 %	96.921 %	97.038 %	97.305 %	99.489 %	100.512 %	100.669 %
Concentration RSD	0.1 %	0.7 %	0.2 %	0.8 %	0.3 %	0.4 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4833 ppm	5.4088 ppm	0.4885 ppm	0.4804 ppm	0.4829 ppm	0.5122 ppm	0.4883 ppm
Concentration per Run 1	0.4835 ppm	5.4266 ppm	0.4899 ppm	0.4831 ppm	0.4838 ppm	0.5145 ppm	0.4896 ppm
Concentration per Run 2	0.4812 ppm	5.3971 ppm	0.4879 ppm	0.4762 ppm	0.4822 ppm	0.5117 ppm	0.4875 ppm
Concentration per Run 3	0.4853 ppm	5.4027 ppm	0.4878 ppm	0.4818 ppm	0.4826 ppm	0.5103 ppm	0.4878 ppm
Recovery Percentage 1	96.661 %	103.025 %	97.703 %	96.077 %	96.575 %	102.434 %	97.661 %
Concentration RSD	0.4 %	0.3 %	0.2 %	0.8 %	0.2 %	0.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4944 ppm	103.6849 %	102.6249 %	101.9300 %	104.3311 %	101.7320 %	103.3588 %
Concentration per Run 1	0.4962 ppm	103.8480 %	102.3942 %	102.2979 %	103.6249 %	101.6987 %	102.9899 %
Concentration per Run 2	0.4928 ppm	104.3636 %	102.8565 %	101.7527 %	104.8369 %	101.8904 %	103.6526 %
Concentration per Run 3	0.4941 ppm	102.8431 %	102.6239 %	101.7395 %	104.5314 %	101.6070 %	103.4338 %
Recovery Percentage 1	98.879 %						
Concentration RSD	0.3 %	0.7 %	0.2 %	0.3 %	0.6 %	0.1 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
 Analysis started at: 9/24/2025 17:55:42
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0021 ppm	-0.0011 ppm	0.0017 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 1	-0.0001 ppm	0.0037 ppm	-0.0024 ppm	0.0016 ppm	0.0003 ppm	0.0001 ppm	-0.0029 ppm
Concentration per Run 2	0.0002 ppm	-0.0067 ppm	-0.0017 ppm	0.0019 ppm	0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run 3	0.0000 ppm	-0.0032 ppm	0.0008 ppm	0.0015 ppm	-0.0001 ppm	0.0001 ppm	0.0052 ppm
Recovery Percentage 1	0.445 %	-2.055 %	-22.738 %	5.588 %	0.621 %	1.147 %	0.283 %
Concentration RSD	865.9 %	258.3 %	147.5 %	11.2 %	326.4 %	57.3 %	1,526.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0015 ppm	0.0326 ppm	-0.0008 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0032 ppm	0.0523 ppm	-0.0001 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0015 ppm	0.0252 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	-0.0001 ppm	0.0204 ppm	-0.0024 ppm
Recovery Percentage 1	-0.506 %	0.337 %	-0.745 %	-0.158 %	3.088 %	1.306 %	-8.406 %
Concentration RSD	143.4 %	192.9 %	196.0 %	602.8 %	104.5 %	52.8 %	156.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0013 ppm	-0.0004 ppm	0.0004 ppm	0.1332 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 1	0.0006 ppm	-0.0004 ppm	0.0005 ppm	0.1292 ppm	0.0004 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 2	-0.0008 ppm	-0.0002 ppm	0.0003 ppm	0.1286 ppm	-0.0001 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 3	0.0041 ppm	-0.0006 ppm	0.0003 ppm	0.1418 ppm	-0.0003 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage 1	1.297 %	-3.969 %	0.737 %	6.659 %	0.085 %	0.033 %	0.123 %
Concentration RSD	195.8 %	56.4 %	35.5 %	5.6 %	1,743.3 %	1,044.4 %	436.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0014 ppm	0.0033 ppm	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 1	-0.0005 ppm	0.0054 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run 2	-0.0015 ppm	0.0041 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 3	-0.0023 ppm	0.0005 ppm	-0.0004 ppm	0.0002 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm
Recovery Percentage 1	-14.102 %	0.665 %	-0.202 %	0.604 %	2.643 %	2.746 %	0.463 %
Concentration RSD	63.7 %	76.8 %	232.8 %	178.2 %	70.9 %	68.9 %	154.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	102.5253 %	102.7510 %	101.4676 %	101.6376 %	102.8511 %	102.6036 %
Concentration per Run 1	0.0000 ppm	101.6014 %	102.8760 %	101.4983 %	100.2111 %	103.3427 %	102.7057 %
Concentration per Run 2	0.0001 ppm	102.8927 %	102.9297 %	101.3191 %	102.3186 %	102.6043 %	102.7599 %
Concentration per Run 3	0.0000 ppm	103.0817 %	102.4472 %	101.5855 %	102.3832 %	102.6064 %	102.3452 %
Recovery Percentage 1	1.248 %						
Concentration RSD	99.2 %	0.8 %	0.3 %	0.1 %	1.2 %	0.4 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557691-18d2 WG2117260
 Analysis started at: 9/24/2025 18:19:44
 Comments: <Comment>
 Rack: 1
 Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	26.0974 ppm	0.0204 ppm	0.0022 ppm	0.0819 ppm	0.0002 ppm	3.2978 ppm
Concentration per Run 1	-0.0001 ppm	26.0198 ppm	0.0202 ppm	0.0021 ppm	0.0818 ppm	0.0002 ppm	3.3030 ppm
Concentration per Run 2	0.0002 ppm	26.0972 ppm	0.0201 ppm	0.0027 ppm	0.0819 ppm	0.0002 ppm	3.2988 ppm
Concentration per Run 3	0.0002 ppm	26.1751 ppm	0.0209 ppm	0.0018 ppm	0.0820 ppm	0.0002 ppm	3.2914 ppm
Concentration RSD	212.0 %	0.3 %	2.1 %	19.0 %	0.1 %	2.6 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0005 ppm	0.0531 ppm	0.0592 ppm	37.5032 ppm	0.5385 ppm	0.0076 ppm
Concentration per Run 1	0.0001 ppm	0.0007 ppm	0.0535 ppm	0.0593 ppm	37.4136 ppm	0.5244 ppm	0.0085 ppm
Concentration per Run 2	0.0001 ppm	0.0007 ppm	0.0532 ppm	0.0591 ppm	37.5054 ppm	0.5345 ppm	0.0074 ppm
Concentration per Run 3	0.0002 ppm	0.0002 ppm	0.0525 ppm	0.0593 ppm	37.5907 ppm	0.5566 ppm	0.0071 ppm
Concentration RSD	36.7 %	52.4 %	1.0 %	0.2 %	0.2 %	3.1 %	9.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.7749 ppm	0.1903 ppm	0.0031 ppm	0.2116 ppm	0.0061 ppm	0.0710 ppm	0.0019 ppm
Concentration per Run 1	0.7762 ppm	0.1902 ppm	0.0031 ppm	0.2200 ppm	0.0063 ppm	0.0712 ppm	0.0006 ppm
Concentration per Run 2	0.7724 ppm	0.1897 ppm	0.0033 ppm	0.2053 ppm	0.0059 ppm	0.0706 ppm	0.0025 ppm
Concentration per Run 3	0.7761 ppm	0.1909 ppm	0.0030 ppm	0.2093 ppm	0.0061 ppm	0.0713 ppm	0.0026 ppm
Concentration RSD	0.3 %	0.3 %	4.6 %	3.6 %	3.0 %	0.5 %	60.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	4.1568 ppm	0.0057 ppm	0.0143 ppm	0.1935 ppm	0.0004 ppm	0.0836 ppm
Concentration per Run 1	-0.0010 ppm	4.1665 ppm	0.0056 ppm	0.0143 ppm	0.1943 ppm	0.0008 ppm	0.0844 ppm
Concentration per Run 2	0.0018 ppm	4.1571 ppm	0.0051 ppm	0.0142 ppm	0.1936 ppm	-0.0002 ppm	0.0832 ppm
Concentration per Run 3	0.0004 ppm	4.1469 ppm	0.0063 ppm	0.0144 ppm	0.1927 ppm	0.0008 ppm	0.0831 ppm
Concentration RSD	341.9 %	0.2 %	10.6 %	0.6 %	0.4 %	129.2 %	0.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0494 ppm	103.5124 %	101.5826 %	101.3966 %	105.9608 %	98.4480 %	103.1676 %
Concentration per Run 1	0.0494 ppm	103.2238 %	101.4091 %	101.2309 %	106.2763 %	98.4146 %	103.1456 %
Concentration per Run 2	0.0494 ppm	103.6596 %	101.7746 %	101.4810 %	105.9912 %	98.4110 %	103.3231 %
Concentration per Run 3	0.0493 ppm	103.6537 %	101.5642 %	101.4779 %	105.6149 %	98.5185 %	103.0342 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.1 %	0.3 %	0.1 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557691-19d2 WG2117260
 Analysis started at: 9/24/2025 18:24:09
 Comments: <Comment>
 Rack: 1
 Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	6.2080 ppm	0.0082 ppm	0.0018 ppm	0.1248 ppm	0.0002 ppm	1.5216 ppm
Concentration per Run 1	0.0000 ppm	6.2359 ppm	0.0093 ppm	0.0017 ppm	0.1252 ppm	0.0002 ppm	1.5274 ppm
Concentration per Run 2	-0.0003 ppm	6.1929 ppm	0.0071 ppm	0.0016 ppm	0.1244 ppm	0.0002 ppm	1.5225 ppm
Concentration per Run 3	0.0001 ppm	6.1952 ppm	0.0082 ppm	0.0020 ppm	0.1248 ppm	0.0002 ppm	1.5150 ppm
Concentration RSD	238.0 %	0.4 %	13.4 %	13.4 %	0.4 %	3.9 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0006 ppm	0.0011 ppm	0.0358 ppm	0.0549 ppm	17.5796 ppm	0.4767 ppm	0.0022 ppm
Concentration per Run 1	0.0006 ppm	0.0012 ppm	0.0359 ppm	0.0547 ppm	17.6261 ppm	0.4676 ppm	0.0020 ppm
Concentration per Run 2	0.0006 ppm	0.0010 ppm	0.0356 ppm	0.0550 ppm	17.5457 ppm	0.4900 ppm	0.0026 ppm
Concentration per Run 3	0.0007 ppm	0.0010 ppm	0.0358 ppm	0.0549 ppm	17.5671 ppm	0.4726 ppm	0.0021 ppm
Concentration RSD	7.2 %	9.9 %	0.5 %	0.3 %	0.2 %	2.5 %	13.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3666 ppm	0.1322 ppm	0.0022 ppm	0.1622 ppm	0.0018 ppm	0.3054 ppm	0.0014 ppm
Concentration per Run 1	0.3636 ppm	0.1327 ppm	0.0022 ppm	0.1579 ppm	0.0021 ppm	0.3053 ppm	0.0012 ppm
Concentration per Run 2	0.3675 ppm	0.1320 ppm	0.0022 ppm	0.1703 ppm	0.0016 ppm	0.3060 ppm	0.0015 ppm
Concentration per Run 3	0.3687 ppm	0.1320 ppm	0.0023 ppm	0.1585 ppm	0.0018 ppm	0.3048 ppm	0.0014 ppm
Concentration RSD	0.7 %	0.3 %	2.4 %	4.3 %	14.5 %	0.2 %	7.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	2.1410 ppm	0.0083 ppm	0.0077 ppm	0.2611 ppm	0.0003 ppm	0.0271 ppm
Concentration per Run 1	0.0012 ppm	2.1418 ppm	0.0082 ppm	0.0077 ppm	0.2607 ppm	-0.0008 ppm	0.0273 ppm
Concentration per Run 2	0.0013 ppm	2.1426 ppm	0.0090 ppm	0.0076 ppm	0.2609 ppm	0.0004 ppm	0.0270 ppm
Concentration per Run 3	0.0008 ppm	2.1385 ppm	0.0077 ppm	0.0077 ppm	0.2617 ppm	0.0014 ppm	0.0269 ppm
Concentration RSD	23.3 %	0.1 %	8.2 %	0.5 %	0.2 %	348.4 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0786 ppm	106.3015 %	104.1878 %	102.7470 %	105.5827 %	100.5905 %	104.0671 %
Concentration per Run 1	0.0788 ppm	107.2634 %	104.2425 %	102.7338 %	106.2223 %	100.5819 %	104.0634 %
Concentration per Run 2	0.0785 ppm	105.4217 %	104.3540 %	102.7846 %	104.9675 %	100.5769 %	104.2266 %
Concentration per Run 3	0.0785 ppm	106.2195 %	103.9669 %	102.7227 %	105.5582 %	100.6126 %	103.9112 %
Concentration RSD	0.2 %	0.9 %	0.2 %	0.0 %	0.6 %	0.0 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557691-20d2 WG2117260
 Analysis started at: 9/24/2025 18:28:35
 Comments: <Comment>
 Rack: 1
 Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	22.8529 ppm	0.0252 ppm	0.0013 ppm	0.0496 ppm	0.0002 ppm	0.3554 ppm
Concentration per Run 1	-0.0005 ppm	22.8690 ppm	0.0261 ppm	0.0013 ppm	0.0497 ppm	0.0002 ppm	0.3607 ppm
Concentration per Run 2	0.0000 ppm	22.8169 ppm	0.0249 ppm	0.0011 ppm	0.0497 ppm	0.0002 ppm	0.3562 ppm
Concentration per Run 3	-0.0002 ppm	22.8727 ppm	0.0247 ppm	0.0014 ppm	0.0496 ppm	0.0002 ppm	0.3492 ppm
Concentration RSD	109.2 %	0.1 %	2.9 %	9.6 %	0.1 %	4.6 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0008 ppm	0.0527 ppm	0.0256 ppm	33.9688 ppm	0.3572 ppm	0.0076 ppm
Concentration per Run 1	-0.0001 ppm	0.0010 ppm	0.0530 ppm	0.0257 ppm	34.0044 ppm	0.3726 ppm	0.0087 ppm
Concentration per Run 2	0.0000 ppm	0.0008 ppm	0.0525 ppm	0.0257 ppm	33.8613 ppm	0.3462 ppm	0.0078 ppm
Concentration per Run 3	0.0000 ppm	0.0006 ppm	0.0527 ppm	0.0254 ppm	34.0406 ppm	0.3529 ppm	0.0064 ppm
Concentration RSD	68.7 %	26.1 %	0.5 %	0.5 %	0.3 %	3.8 %	15.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3639 ppm	0.1121 ppm	0.0038 ppm	0.1350 ppm	0.0038 ppm	0.0263 ppm	0.0009 ppm
Concentration per Run 1	0.3643 ppm	0.1129 ppm	0.0039 ppm	0.1344 ppm	0.0038 ppm	0.0258 ppm	-0.0001 ppm
Concentration per Run 2	0.3595 ppm	0.1115 ppm	0.0039 ppm	0.1347 ppm	0.0039 ppm	0.0266 ppm	0.0009 ppm
Concentration per Run 3	0.3678 ppm	0.1119 ppm	0.0037 ppm	0.1361 ppm	0.0037 ppm	0.0265 ppm	0.0019 ppm
Concentration RSD	1.1 %	0.7 %	3.5 %	0.7 %	1.6 %	1.8 %	109.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0025 ppm	4.0721 ppm	0.0059 ppm	0.0033 ppm	0.2103 ppm	-0.0003 ppm	0.0579 ppm
Concentration per Run 1	0.0027 ppm	4.0910 ppm	0.0062 ppm	0.0032 ppm	0.2100 ppm	0.0002 ppm	0.0581 ppm
Concentration per Run 2	0.0019 ppm	4.0798 ppm	0.0054 ppm	0.0033 ppm	0.2097 ppm	-0.0007 ppm	0.0578 ppm
Concentration per Run 3	0.0028 ppm	4.0454 ppm	0.0059 ppm	0.0033 ppm	0.2112 ppm	-0.0004 ppm	0.0577 ppm
Concentration RSD	21.6 %	0.6 %	7.2 %	2.3 %	0.4 %	152.9 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0567 ppm	105.6832 %	102.7356 %	101.6698 %	107.1860 %	99.7540 %	104.5466 %
Concentration per Run 1	0.0570 ppm	105.7446 %	102.6492 %	101.3564 %	107.1507 %	99.7140 %	104.4014 %
Concentration per Run 2	0.0571 ppm	105.7618 %	103.2661 %	101.7303 %	107.4482 %	99.6037 %	105.0971 %
Concentration per Run 3	0.0560 ppm	105.5433 %	102.2916 %	101.9229 %	106.9592 %	99.9443 %	104.1412 %
Concentration RSD	1.1 %	0.1 %	0.5 %	0.3 %	0.2 %	0.2 %	0.5 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557691-21d2 WG2117260
 Analysis started at: 9/24/2025 18:33:03
 Comments: <Comment>
 Rack: 1
 Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	5.5838 ppm	0.0062 ppm	0.0019 ppm	0.0326 ppm	0.0001 ppm	1.8929 ppm
Concentration per Run 1	0.0001 ppm	5.6154 ppm	0.0062 ppm	0.0018 ppm	0.0327 ppm	0.0001 ppm	1.8977 ppm
Concentration per Run 2	-0.0002 ppm	5.5817 ppm	0.0049 ppm	0.0022 ppm	0.0324 ppm	0.0001 ppm	1.8949 ppm
Concentration per Run 3	0.0002 ppm	5.5543 ppm	0.0075 ppm	0.0016 ppm	0.0327 ppm	0.0001 ppm	1.8860 ppm
Concentration RSD	419.0 %	0.5 %	20.8 %	17.6 %	0.6 %	38.8 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0004 ppm	0.0007 ppm	0.0251 ppm	0.0451 ppm	17.2664 ppm	0.5799 ppm	0.0001 ppm
Concentration per Run 1	0.0004 ppm	0.0003 ppm	0.0252 ppm	0.0450 ppm	17.3725 ppm	0.5855 ppm	0.0001 ppm
Concentration per Run 2	0.0004 ppm	0.0008 ppm	0.0244 ppm	0.0441 ppm	17.2093 ppm	0.5819 ppm	0.0003 ppm
Concentration per Run 3	0.0005 ppm	0.0009 ppm	0.0258 ppm	0.0463 ppm	17.2174 ppm	0.5722 ppm	-0.0001 ppm
Concentration RSD	17.6 %	47.1 %	2.7 %	2.5 %	0.5 %	1.2 %	210.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3722 ppm	0.0816 ppm	0.0030 ppm	0.1411 ppm	0.0004 ppm	0.1333 ppm	0.0017 ppm
Concentration per Run 1	0.3705 ppm	0.0819 ppm	0.0030 ppm	0.1425 ppm	0.0006 ppm	0.1318 ppm	0.0022 ppm
Concentration per Run 2	0.3628 ppm	0.0818 ppm	0.0029 ppm	0.1447 ppm	0.0005 ppm	0.1335 ppm	0.0015 ppm
Concentration per Run 3	0.3832 ppm	0.0812 ppm	0.0032 ppm	0.1361 ppm	0.0002 ppm	0.1346 ppm	0.0015 ppm
Concentration RSD	2.8 %	0.4 %	4.6 %	3.2 %	42.5 %	1.1 %	22.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0015 ppm	1.7967 ppm	0.0062 ppm	0.0071 ppm	0.2927 ppm	-0.0001 ppm	0.0342 ppm
Concentration per Run 1	-0.0013 ppm	1.7991 ppm	0.0063 ppm	0.0071 ppm	0.2932 ppm	-0.0011 ppm	0.0344 ppm
Concentration per Run 2	0.0025 ppm	1.7924 ppm	0.0058 ppm	0.0071 ppm	0.2845 ppm	0.0002 ppm	0.0333 ppm
Concentration per Run 3	0.0034 ppm	1.7986 ppm	0.0065 ppm	0.0071 ppm	0.3004 ppm	0.0006 ppm	0.0348 ppm
Concentration RSD	163.8 %	0.2 %	5.5 %	0.3 %	2.7 %	886.4 %	2.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0472 ppm	105.6891 %	104.3890 %	102.4410 %	106.2846 %	100.8018 %	105.1590 %
Concentration per Run 1	0.0474 ppm	105.4090 %	104.1044 %	102.3482 %	105.7169 %	100.7006 %	104.8563 %
Concentration per Run 2	0.0469 ppm	106.3555 %	106.9619 %	102.9250 %	106.7879 %	101.1625 %	107.7841 %
Concentration per Run 3	0.0473 ppm	105.3029 %	102.1005 %	102.0498 %	106.3491 %	100.5422 %	102.8365 %
Concentration RSD	0.6 %	0.5 %	2.3 %	0.4 %	0.5 %	0.3 %	2.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557691-22d2 WG2117260
 Analysis started at: 9/24/2025 18:37:28
 Comments: <Comment>
 Rack: 1
 Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	34.4052 ppm	0.0180 ppm	0.0016 ppm	0.0493 ppm	0.0002 ppm	3.0711 ppm
Concentration per Run 1	-0.0001 ppm	34.8772 ppm	0.0170 ppm	0.0018 ppm	0.0501 ppm	0.0002 ppm	3.1015 ppm
Concentration per Run 2	0.0001 ppm	34.0979 ppm	0.0185 ppm	0.0014 ppm	0.0488 ppm	0.0003 ppm	3.0488 ppm
Concentration per Run 3	-0.0002 ppm	34.2405 ppm	0.0185 ppm	0.0015 ppm	0.0490 ppm	0.0002 ppm	3.0630 ppm
Concentration RSD	214.6 %	1.2 %	4.9 %	16.7 %	1.4 %	25.4 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0005 ppm	0.0564 ppm	0.0163 ppm	38.3627 ppm	0.7268 ppm	0.0118 ppm
Concentration per Run 1	-0.0002 ppm	0.0006 ppm	0.0566 ppm	0.0164 ppm	38.8986 ppm	0.7366 ppm	0.0121 ppm
Concentration per Run 2	-0.0001 ppm	0.0004 ppm	0.0564 ppm	0.0164 ppm	38.0259 ppm	0.7184 ppm	0.0121 ppm
Concentration per Run 3	-0.0002 ppm	0.0004 ppm	0.0562 ppm	0.0160 ppm	38.1634 ppm	0.7256 ppm	0.0113 ppm
Concentration RSD	38.4 %	19.2 %	0.4 %	1.3 %	1.2 %	1.3 %	4.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.9322 ppm	0.0314 ppm	0.0063 ppm	0.1740 ppm	0.0015 ppm	0.0386 ppm	0.0008 ppm
Concentration per Run 1	0.9316 ppm	0.0316 ppm	0.0065 ppm	0.1836 ppm	0.0015 ppm	0.0377 ppm	0.0009 ppm
Concentration per Run 2	0.9317 ppm	0.0313 ppm	0.0063 ppm	0.1687 ppm	0.0018 ppm	0.0389 ppm	0.0007 ppm
Concentration per Run 3	0.9334 ppm	0.0314 ppm	0.0061 ppm	0.1696 ppm	0.0011 ppm	0.0392 ppm	0.0009 ppm
Concentration RSD	0.1 %	0.5 %	3.1 %	4.8 %	25.0 %	2.0 %	18.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	4.3692 ppm	0.0049 ppm	0.0092 ppm	0.2020 ppm	-0.0006 ppm	0.0689 ppm
Concentration per Run 1	-0.0008 ppm	4.3659 ppm	0.0053 ppm	0.0094 ppm	0.2013 ppm	-0.0015 ppm	0.0691 ppm
Concentration per Run 2	-0.0001 ppm	4.3749 ppm	0.0048 ppm	0.0092 ppm	0.2027 ppm	-0.0001 ppm	0.0687 ppm
Concentration per Run 3	0.0003 ppm	4.3667 ppm	0.0045 ppm	0.0092 ppm	0.2020 ppm	-0.0001 ppm	0.0688 ppm
Concentration RSD	269.6 %	0.1 %	9.3 %	1.4 %	0.4 %	139.1 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0160 ppm	104.4058 %	101.9137 %	101.1469 %	106.0251 %	98.5186 %	103.8432 %
Concentration per Run 1	0.0161 ppm	103.7928 %	102.1889 %	101.3553 %	105.0939 %	98.7974 %	104.0899 %
Concentration per Run 2	0.0158 ppm	105.4544 %	101.8141 %	101.0447 %	107.2221 %	98.3394 %	103.7820 %
Concentration per Run 3	0.0161 ppm	103.9702 %	101.7380 %	101.0406 %	105.7593 %	98.4191 %	103.6577 %
Concentration RSD	1.1 %	0.9 %	0.2 %	0.2 %	1.0 %	0.2 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557691-23d2 WG2117260
 Analysis started at: 9/24/2025 18:41:53
 Comments: <Comment>
 Rack: 1
 Vial: 27

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	14.8861 ppm	0.0124 ppm	0.0022 ppm	0.0592 ppm	0.0003 ppm	2.8983 ppm
Concentration per Run 1	-0.0002 ppm	15.0524 ppm	0.0116 ppm	0.0023 ppm	0.0599 ppm	0.0003 ppm	2.9319 ppm
Concentration per Run 2	0.0000 ppm	14.8379 ppm	0.0129 ppm	0.0018 ppm	0.0590 ppm	0.0003 ppm	2.8877 ppm
Concentration per Run 3	0.0001 ppm	14.7679 ppm	0.0127 ppm	0.0025 ppm	0.0586 ppm	0.0003 ppm	2.8752 ppm
Concentration RSD	233.4 %	1.0 %	5.9 %	17.3 %	1.1 %	12.9 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0007 ppm	0.0009 ppm	0.0619 ppm	0.1033 ppm	28.9071 ppm	1.3030 ppm	0.0040 ppm
Concentration per Run 1	0.0007 ppm	0.0007 ppm	0.0620 ppm	0.1031 ppm	29.2270 ppm	1.3059 ppm	0.0049 ppm
Concentration per Run 2	0.0008 ppm	0.0011 ppm	0.0620 ppm	0.1034 ppm	28.7822 ppm	1.3027 ppm	0.0032 ppm
Concentration per Run 3	0.0007 ppm	0.0010 ppm	0.0618 ppm	0.1034 ppm	28.7122 ppm	1.3004 ppm	0.0039 ppm
Concentration RSD	8.3 %	19.9 %	0.2 %	0.2 %	1.0 %	0.2 %	21.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.6658 ppm	0.1100 ppm	0.0052 ppm	0.1353 ppm	0.0011 ppm	0.1918 ppm	0.0017 ppm
Concentration per Run 1	0.6640 ppm	0.1110 ppm	0.0053 ppm	0.1380 ppm	0.0014 ppm	0.1908 ppm	0.0012 ppm
Concentration per Run 2	0.6699 ppm	0.1094 ppm	0.0053 ppm	0.1292 ppm	0.0008 ppm	0.1933 ppm	0.0019 ppm
Concentration per Run 3	0.6634 ppm	0.1096 ppm	0.0051 ppm	0.1387 ppm	0.0009 ppm	0.1913 ppm	0.0020 ppm
Concentration RSD	0.5 %	0.8 %	1.9 %	3.9 %	33.8 %	0.7 %	27.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0004 ppm	3.1059 ppm	0.0076 ppm	0.0123 ppm	0.2713 ppm	0.0004 ppm	0.0576 ppm
Concentration per Run 1	-0.0030 ppm	3.0812 ppm	0.0075 ppm	0.0123 ppm	0.2708 ppm	-0.0006 ppm	0.0576 ppm
Concentration per Run 2	0.0017 ppm	3.1341 ppm	0.0079 ppm	0.0124 ppm	0.2723 ppm	0.0009 ppm	0.0580 ppm
Concentration per Run 3	0.0001 ppm	3.1023 ppm	0.0073 ppm	0.0123 ppm	0.2709 ppm	0.0007 ppm	0.0574 ppm
Concentration RSD	575.7 %	0.9 %	4.0 %	0.4 %	0.3 %	217.3 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0798 ppm	106.6712 %	104.6116 %	102.5054 %	106.3558 %	99.5700 %	104.5425 %
Concentration per Run 1	0.0792 ppm	105.7520 %	104.5392 %	103.1522 %	105.0666 %	100.3425 %	104.4645 %
Concentration per Run 2	0.0803 ppm	107.6529 %	104.4124 %	101.7553 %	107.3892 %	98.8217 %	104.3144 %
Concentration per Run 3	0.0798 ppm	106.6088 %	104.8833 %	102.6088 %	106.6116 %	99.5458 %	104.8486 %
Concentration RSD	0.7 %	0.9 %	0.2 %	0.7 %	1.1 %	0.8 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557691-24d2 WG2117260
 Analysis started at: 9/24/2025 18:46:15
 Comments: <Comment>
 Rack: 1
 Vial: 28

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	16.5270 ppm	0.0206 ppm	0.0013 ppm	0.0246 ppm	0.0003 ppm	0.5704 ppm
Concentration per Run 1	-0.0001 ppm	16.7648 ppm	0.0230 ppm	0.0014 ppm	0.0251 ppm	0.0002 ppm	0.5795 ppm
Concentration per Run 2	-0.0004 ppm	16.4066 ppm	0.0190 ppm	0.0015 ppm	0.0244 ppm	0.0003 ppm	0.5705 ppm
Concentration per Run 3	0.0002 ppm	16.4095 ppm	0.0199 ppm	0.0009 ppm	0.0244 ppm	0.0003 ppm	0.5611 ppm
Concentration RSD	289.5 %	1.2 %	10.1 %	25.6 %	1.6 %	13.1 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0010 ppm	0.0912 ppm	0.0198 ppm	46.7670 ppm	0.4958 ppm	0.0040 ppm
Concentration per Run 1	-0.0001 ppm	0.0012 ppm	0.0921 ppm	0.0199 ppm	47.5090 ppm	0.4901 ppm	0.0047 ppm
Concentration per Run 2	-0.0001 ppm	0.0008 ppm	0.0906 ppm	0.0198 ppm	46.3865 ppm	0.4980 ppm	0.0036 ppm
Concentration per Run 3	-0.0001 ppm	0.0009 ppm	0.0909 ppm	0.0197 ppm	46.4055 ppm	0.4993 ppm	0.0035 ppm
Concentration RSD	1.7 %	22.9 %	0.8 %	0.6 %	1.4 %	1.0 %	17.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3603 ppm	0.0910 ppm	0.0076 ppm	0.1077 ppm	-0.0022 ppm	0.0320 ppm	0.0002 ppm
Concentration per Run 1	0.3599 ppm	0.0921 ppm	0.0078 ppm	0.1072 ppm	-0.0023 ppm	0.0326 ppm	-0.0003 ppm
Concentration per Run 2	0.3613 ppm	0.0902 ppm	0.0072 ppm	0.1094 ppm	-0.0020 ppm	0.0316 ppm	0.0013 ppm
Concentration per Run 3	0.3597 ppm	0.0907 ppm	0.0076 ppm	0.1066 ppm	-0.0024 ppm	0.0318 ppm	-0.0005 ppm
Concentration RSD	0.2 %	1.1 %	4.3 %	1.4 %	8.2 %	1.6 %	572.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	3.0969 ppm	0.0058 ppm	0.0043 ppm	0.2379 ppm	0.0004 ppm	0.0609 ppm
Concentration per Run 1	0.0008 ppm	3.1285 ppm	0.0062 ppm	0.0043 ppm	0.2379 ppm	0.0002 ppm	0.0609 ppm
Concentration per Run 2	0.0013 ppm	3.0825 ppm	0.0052 ppm	0.0044 ppm	0.2377 ppm	0.0001 ppm	0.0606 ppm
Concentration per Run 3	-0.0008 ppm	3.0796 ppm	0.0060 ppm	0.0043 ppm	0.2380 ppm	0.0009 ppm	0.0612 ppm
Concentration RSD	275.5 %	0.9 %	9.7 %	1.0 %	0.1 %	111.3 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0183 ppm	104.5189 %	103.1103 %	101.4540 %	106.6673 %	100.4145 %	105.3536 %
Concentration per Run 1	0.0187 ppm	103.2103 %	103.0093 %	101.8213 %	105.2175 %	100.1949 %	105.2367 %
Concentration per Run 2	0.0182 ppm	105.1381 %	103.3215 %	101.4618 %	107.4037 %	100.8807 %	105.4702 %
Concentration per Run 3	0.0180 ppm	105.2081 %	103.0001 %	101.0789 %	107.3807 %	100.1678 %	105.3538 %
Concentration RSD	1.7 %	1.1 %	0.2 %	0.4 %	1.2 %	0.4 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2557691-25d2 WG2117260
 Analysis started at: 9/24/2025 18:50:41
 Comments: <Comment>
 Rack: 1
 Vial: 29

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	4.1714 ppm	0.0046 ppm	0.0026 ppm	0.0893 ppm	0.0000 ppm	2.2442 ppm
Concentration per Run 1	-0.0004 ppm	4.1637 ppm	0.0053 ppm	0.0023 ppm	0.0894 ppm	0.0000 ppm	2.2375 ppm
Concentration per Run 2	-0.0001 ppm	4.1790 ppm	0.0052 ppm	0.0030 ppm	0.0894 ppm	0.0000 ppm	2.2470 ppm
Concentration per Run 3	0.0000 ppm	4.1715 ppm	0.0035 ppm	0.0023 ppm	0.0891 ppm	0.0000 ppm	2.2482 ppm
Concentration RSD	113.9 %	0.2 %	21.2 %	15.2 %	0.2 %	24.7 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0005 ppm	0.0004 ppm	0.0263 ppm	0.0299 ppm	11.1494 ppm	0.5941 ppm	0.0010 ppm
Concentration per Run 1	0.0004 ppm	0.0004 ppm	0.0267 ppm	0.0298 ppm	11.1387 ppm	0.6199 ppm	0.0002 ppm
Concentration per Run 2	0.0005 ppm	0.0003 ppm	0.0260 ppm	0.0301 ppm	11.1745 ppm	0.5676 ppm	0.0020 ppm
Concentration per Run 3	0.0004 ppm	0.0005 ppm	0.0261 ppm	0.0300 ppm	11.1350 ppm	0.5948 ppm	0.0010 ppm
Concentration RSD	7.5 %	31.0 %	1.5 %	0.5 %	0.2 %	4.4 %	89.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.6050 ppm	0.0925 ppm	0.0033 ppm	0.1086 ppm	0.0012 ppm	0.1203 ppm	0.0019 ppm
Concentration per Run 1	0.6019 ppm	0.0921 ppm	0.0034 ppm	0.1034 ppm	0.0012 ppm	0.1201 ppm	0.0018 ppm
Concentration per Run 2	0.6031 ppm	0.0928 ppm	0.0033 ppm	0.1172 ppm	0.0012 ppm	0.1203 ppm	0.0023 ppm
Concentration per Run 3	0.6100 ppm	0.0927 ppm	0.0033 ppm	0.1051 ppm	0.0013 ppm	0.1205 ppm	0.0016 ppm
Concentration RSD	0.7 %	0.4 %	2.2 %	6.9 %	5.1 %	0.2 %	19.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	1.4642 ppm	0.0069 ppm	0.0097 ppm	0.4045 ppm	0.0005 ppm	0.0272 ppm
Concentration per Run 1	-0.0017 ppm	1.4675 ppm	0.0071 ppm	0.0097 ppm	0.4041 ppm	0.0016 ppm	0.0271 ppm
Concentration per Run 2	0.0034 ppm	1.4628 ppm	0.0062 ppm	0.0097 ppm	0.4037 ppm	0.0003 ppm	0.0273 ppm
Concentration per Run 3	-0.0010 ppm	1.4622 ppm	0.0073 ppm	0.0097 ppm	0.4057 ppm	-0.0003 ppm	0.0270 ppm
Concentration RSD	1,127.2 %	0.2 %	8.2 %	0.1 %	0.3 %	178.6 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0727 ppm	106.6757 %	104.4097 %	102.4841 %	107.4262 %	101.4087 %	105.2904 %
Concentration per Run 1	0.0729 ppm	106.9840 %	104.7047 %	102.4742 %	107.5974 %	101.5630 %	105.5864 %
Concentration per Run 2	0.0727 ppm	106.4242 %	104.6332 %	102.3994 %	107.1611 %	101.4096 %	105.4812 %
Concentration per Run 3	0.0725 ppm	106.6189 %	103.8913 %	102.5785 %	107.5201 %	101.2535 %	104.8036 %
Concentration RSD	0.3 %	0.3 %	0.4 %	0.1 %	0.2 %	0.2 %	0.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
 Analysis started at: 9/24/2025 18:55:06
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4773 ppm	0.4777 ppm	0.4747 ppm	0.4838 ppm	0.4761 ppm	0.4841 ppm	0.4887 ppm
Concentration per Run 1	0.4754 ppm	0.4924 ppm	0.4754 ppm	0.4827 ppm	0.4797 ppm	0.4874 ppm	0.4921 ppm
Concentration per Run 2	0.4788 ppm	0.4656 ppm	0.4754 ppm	0.4841 ppm	0.4739 ppm	0.4818 ppm	0.4871 ppm
Concentration per Run 3	0.4778 ppm	0.4752 ppm	0.4732 ppm	0.4847 ppm	0.4746 ppm	0.4830 ppm	0.4868 ppm
Recovery Percentage 1	95.461 %	95.546 %	94.932 %	96.768 %	95.219 %	96.813 %	97.733 %
Concentration RSD	0.4 %	2.8 %	0.3 %	0.2 %	0.7 %	0.6 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4934 ppm	0.4978 ppm	0.4928 ppm	0.4945 ppm	0.4876 ppm	4.9127 ppm	0.4930 ppm
Concentration per Run 1	0.4927 ppm	0.4976 ppm	0.4914 ppm	0.4936 ppm	0.4891 ppm	4.9797 ppm	0.4973 ppm
Concentration per Run 2	0.4942 ppm	0.4984 ppm	0.4936 ppm	0.4951 ppm	0.4873 ppm	4.8679 ppm	0.4892 ppm
Concentration per Run 3	0.4932 ppm	0.4973 ppm	0.4935 ppm	0.4948 ppm	0.4866 ppm	4.8904 ppm	0.4924 ppm
Recovery Percentage 1	98.674 %	99.551 %	98.559 %	98.898 %	97.529 %	98.253 %	98.597 %
Concentration RSD	0.2 %	0.1 %	0.2 %	0.2 %	0.3 %	1.2 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4938 ppm	0.4850 ppm	0.4877 ppm	9.6261 ppm	0.5011 ppm	0.5071 ppm	0.5043 ppm
Concentration per Run 1	0.4949 ppm	0.4878 ppm	0.4861 ppm	9.7001 ppm	0.5004 ppm	0.5069 ppm	0.5036 ppm
Concentration per Run 2	0.4935 ppm	0.4824 ppm	0.4884 ppm	9.5864 ppm	0.5017 ppm	0.5077 ppm	0.5040 ppm
Concentration per Run 3	0.4931 ppm	0.4846 ppm	0.4886 ppm	9.5918 ppm	0.5010 ppm	0.5066 ppm	0.5051 ppm
Recovery Percentage 1	98.764 %	96.991 %	97.543 %	96.261 %	100.210 %	101.419 %	100.850 %
Concentration RSD	0.2 %	0.6 %	0.3 %	0.7 %	0.1 %	0.1 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4893 ppm	5.4496 ppm	0.4896 ppm	0.4806 ppm	0.4850 ppm	0.5120 ppm	0.4906 ppm
Concentration per Run 1	0.4868 ppm	5.4417 ppm	0.4883 ppm	0.4838 ppm	0.4848 ppm	0.5110 ppm	0.4899 ppm
Concentration per Run 2	0.4909 ppm	5.4518 ppm	0.4929 ppm	0.4785 ppm	0.4855 ppm	0.5116 ppm	0.4910 ppm
Concentration per Run 3	0.4901 ppm	5.4555 ppm	0.4875 ppm	0.4794 ppm	0.4848 ppm	0.5133 ppm	0.4908 ppm
Recovery Percentage 1	97.854 %	103.803 %	97.914 %	96.116 %	97.008 %	102.396 %	98.116 %
Concentration RSD	0.4 %	0.1 %	0.6 %	0.6 %	0.1 %	0.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4974 ppm	104.9359 %	103.0954 %	101.4918 %	105.8085 %	101.5019 %	104.3595 %
Concentration per Run 1	0.4967 ppm	104.6196 %	103.5257 %	101.5677 %	105.0848 %	101.7091 %	104.7956 %
Concentration per Run 2	0.4983 ppm	105.1504 %	102.8778 %	101.4763 %	106.1171 %	101.3204 %	104.0975 %
Concentration per Run 3	0.4971 ppm	105.0376 %	102.8828 %	101.4313 %	106.2234 %	101.4761 %	104.1855 %
Recovery Percentage 1	99.472 %						
Concentration RSD	0.2 %	0.3 %	0.4 %	0.1 %	0.6 %	0.2 %	0.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
 Analysis started at: 9/24/2025 18:59:22
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0009 ppm	-0.0021 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0077 ppm	0.0009 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm	-0.0028 ppm
Concentration per Run 2	0.0001 ppm	-0.0065 ppm	-0.0025 ppm	0.0010 ppm	-0.0002 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 3	-0.0002 ppm	-0.0038 ppm	-0.0047 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0012 ppm
Recovery Percentage 1	-0.806 %	-0.864 %	-41.525 %	2.662 %	-0.101 %	0.865 %	-0.221 %
Concentration RSD	316.3 %	868.8 %	135.5 %	33.9 %	1,909.6 %	121.2 %	1,009.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.0136 ppm	-0.0009 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0003 ppm	-0.0001 ppm	0.0007 ppm	0.0148 ppm	-0.0011 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0002 ppm	0.0003 ppm	0.0298 ppm	-0.0003 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0013 ppm	-0.0039 ppm	-0.0014 ppm
Recovery Percentage 1	-1.281 %	-0.163 %	0.992 %	-1.037 %	1.595 %	0.543 %	-9.038 %
Concentration RSD	85.4 %	1,359.2 %	321.2 %	152.1 %	63.7 %	124.2 %	64.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0022 ppm	-0.0002 ppm	0.0002 ppm	0.0635 ppm	0.0001 ppm	-0.0009 ppm	0.0009 ppm
Concentration per Run 1	0.0023 ppm	-0.0006 ppm	0.0003 ppm	0.0642 ppm	0.0000 ppm	-0.0014 ppm	0.0019 ppm
Concentration per Run 2	0.0025 ppm	0.0001 ppm	0.0003 ppm	0.0551 ppm	0.0005 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run 3	0.0020 ppm	0.0000 ppm	0.0000 ppm	0.0713 ppm	-0.0002 ppm	-0.0009 ppm	0.0005 ppm
Recovery Percentage 1	2.236 %	-1.622 %	0.416 %	3.176 %	0.425 %	-9.482 %	1.814 %
Concentration RSD	11.3 %	236.1 %	105.1 %	12.8 %	346.0 %	50.9 %	91.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0030 ppm	0.0001 ppm	-0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run 1	-0.0027 ppm	-0.0004 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	-0.0004 ppm	-0.0003 ppm
Concentration per Run 2	-0.0049 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0023 ppm	0.0000 ppm
Concentration per Run 3	-0.0013 ppm	-0.0002 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Recovery Percentage 1	-29.751 %	0.016 %	-0.503 %	0.458 %	0.685 %	3.176 %	-0.915 %
Concentration RSD	61.2 %	801.3 %	118.9 %	60.1 %	161.6 %	230.8 %	206.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	104.7581 %	103.7704 %	101.9490 %	104.2405 %	103.5953 %	103.9768 %
Concentration per Run 1	-0.0001 ppm	103.7741 %	103.8206 %	102.1679 %	102.7759 %	103.6518 %	104.0012 %
Concentration per Run 2	0.0001 ppm	104.9120 %	103.9288 %	101.7325 %	104.5677 %	103.8453 %	104.0463 %
Concentration per Run 3	0.0000 ppm	105.5882 %	103.5617 %	101.9466 %	105.3779 %	103.2889 %	103.8828 %
Recovery Percentage 1	0.565 %						
Concentration RSD	294.8 %	0.9 %	0.2 %	0.2 %	1.3 %	0.3 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558563-01 WG2116527
 Analysis started at: 9/24/2025 19:25:56
 Comments: <Comment>
 Rack: 1
 Vial: 31

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0014 ppm	0.0328 ppm	0.0047 ppm	0.0529 ppm	0.0005 ppm	0.0000 ppm	0.4850 ppm
Concentration per Run 1	0.0012 ppm	0.0316 ppm	0.0026 ppm	0.0530 ppm	0.0006 ppm	0.0000 ppm	0.4857 ppm
Concentration per Run 2	0.0013 ppm	0.0421 ppm	0.0037 ppm	0.0528 ppm	0.0006 ppm	-0.0001 ppm	0.4922 ppm
Concentration per Run 3	0.0016 ppm	0.0248 ppm	0.0079 ppm	0.0530 ppm	0.0004 ppm	0.0000 ppm	0.4772 ppm
Concentration RSD	16.9 %	26.5 %	59.3 %	0.2 %	19.5 %	183.4 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.4437 ppm	0.4843 ppm	411.0725 ppm	0.0024 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	0.0006 ppm	0.4438 ppm	0.4899 ppm	415.2370 ppm	0.0024 ppm
Concentration per Run 2	0.0000 ppm	0.0005 ppm	0.0002 ppm	0.4428 ppm	0.4817 ppm	410.2812 ppm	0.0027 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0004 ppm	0.4446 ppm	0.4814 ppm	407.6992 ppm	0.0021 ppm
Concentration RSD	19.4 %	81.8 %	43.2 %	0.2 %	1.0 %	0.9 %	11.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.2021 ppm	0.0558 ppm	0.0638 ppm	1,083.0807 [SIC 500]	0.0154 ppm	0.0141 ppm	0.0036 ppm
Concentration per Run 1	0.2043 ppm	0.0567 ppm	0.0636 ppm	1,099.9155 ppm	0.0154 ppm	0.0141 ppm	0.0041 ppm
Concentration per Run 2	0.2022 ppm	0.0557 ppm	0.0641 ppm	1,074.0929 ppm	0.0155 ppm	0.0151 ppm	0.0034 ppm
Concentration per Run 3	0.1997 ppm	0.0552 ppm	0.0636 ppm	1,075.2337 ppm	0.0152 ppm	0.0132 ppm	0.0031 ppm
Concentration RSD	1.1 %	1.4 %	0.4 %	1.3 %	0.8 %	6.6 %	14.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0024 ppm	2.2711 ppm	0.0014 ppm	0.0015 ppm	0.0001 ppm	0.0004 ppm	0.0011 ppm
Concentration per Run 1	0.0030 ppm	2.2695 ppm	0.0001 ppm	0.0014 ppm	0.0001 ppm	-0.0002 ppm	0.0012 ppm
Concentration per Run 2	0.0024 ppm	2.2778 ppm	0.0023 ppm	0.0016 ppm	0.0003 ppm	0.0009 ppm	0.0011 ppm
Concentration per Run 3	0.0020 ppm	2.2661 ppm	0.0018 ppm	0.0016 ppm	-0.0001 ppm	0.0006 ppm	0.0010 ppm
Concentration RSD	20.1 %	0.3 %	80.0 %	4.5 %	205.4 %	140.8 %	11.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2035 ppm	100.2515 %	89.6460 %	91.7220 %	101.1555 %	82.0403 %	90.3062 %
Concentration per Run 1	0.2038 ppm	99.9255 %	89.7543 %	91.8503 %	100.1839 %	82.2088 %	90.2387 %
Concentration per Run 2	0.2041 ppm	100.7864 %	89.6242 %	91.6457 %	101.7785 %	81.9110 %	90.3197 %
Concentration per Run 3	0.2028 ppm	100.0427 %	89.5596 %	91.6700 %	101.5041 %	82.0011 %	90.3602 %
Concentration RSD	0.3 %	0.5 %	0.1 %	0.1 %	0.8 %	0.2 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2116527-7 WG2116527
Analysis started at: 9/24/2025 19:30:33
Comments: <Comment>
Rack: 1
Vial: 32

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0560 ppm	2.1455 ppm	0.1543 ppm	1.1331 ppm	2.0241 ppm	0.0508 ppm	10.8091 ppm
Concentration per Run 1	0.0560 ppm	2.1671 ppm	0.1581 ppm	1.1340 ppm	2.0463 ppm	0.0514 ppm	10.9446 ppm
Concentration per Run 2	0.0556 ppm	2.1373 ppm	0.1549 ppm	1.1293 ppm	2.0142 ppm	0.0506 ppm	10.7851 ppm
Concentration per Run 3	0.0563 ppm	2.1320 ppm	0.1500 ppm	1.1361 ppm	2.0119 ppm	0.0505 ppm	10.6975 ppm
Concentration RSD	0.6 %	0.9 %	2.6 %	0.3 %	0.9 %	1.0 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0610 ppm	0.5370 ppm	0.2046 ppm	0.6994 ppm	1.4973 ppm	414.9914 ppm	0.0022 ppm
Concentration per Run 1	0.0611 ppm	0.5382 ppm	0.2044 ppm	0.6991 ppm	1.5113 ppm	419.4178 ppm	0.0034 ppm
Concentration per Run 2	0.0607 ppm	0.5350 ppm	0.2047 ppm	0.6996 ppm	1.4939 ppm	413.0351 ppm	0.0016 ppm
Concentration per Run 3	0.0613 ppm	0.5377 ppm	0.2046 ppm	0.6996 ppm	1.4867 ppm	412.5212 ppm	0.0015 ppm
Concentration RSD	0.5 %	0.3 %	0.1 %	0.0 %	0.8 %	0.9 %	50.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.4768 ppm	0.5527 ppm	1.1744 ppm	1,065.0603 [SIC 500]	0.5609 ppm	0.5799 ppm	0.5897 ppm
Concentration per Run 1	9.4470 ppm	0.5583 ppm	1.1721 ppm	1,078.3824 ppm	0.5609 ppm	0.5796 ppm	0.5914 ppm
Concentration per Run 2	9.4802 ppm	0.5508 ppm	1.1715 ppm	1,062.9538 ppm	0.5588 ppm	0.5789 ppm	0.5877 ppm
Concentration per Run 3	9.5034 ppm	0.5490 ppm	1.1796 ppm	1,053.8446 ppm	0.5631 ppm	0.5812 ppm	0.5900 ppm
Concentration RSD	0.3 %	0.9 %	0.4 %	1.2 %	0.4 %	0.2 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1417 ppm	3.5484 ppm	1.0553 [SIC 20]	0.9802 ppm	1.0067 ppm	0.1168 ppm	0.5227 ppm
Concentration per Run 1	0.1426 ppm	3.5467 ppm	1.0577 ppm	0.9902 ppm	1.0055 ppm	0.1159 ppm	0.5226 ppm
Concentration per Run 2	0.1380 ppm	3.5424 ppm	1.0507 ppm	0.9753 ppm	1.0062 ppm	0.1168 ppm	0.5225 ppm
Concentration per Run 3	0.1446 ppm	3.5560 ppm	1.0576 ppm	0.9749 ppm	1.0083 ppm	0.1178 ppm	0.5230 ppm
Concentration RSD	2.4 %	0.2 %	0.4 %	0.9 %	0.1 %	0.8 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.7954 ppm	101.8644 %	90.2534 %	91.8032 %	101.8620 %	82.2556 %	90.6670 %
Concentration per Run 1	0.7953 ppm	101.7587 %	90.5385 %	91.9579 %	101.0793 %	82.3012 %	90.8363 %
Concentration per Run 2	0.7929 ppm	102.2126 %	90.2281 %	91.8712 %	102.2064 %	82.5591 %	90.6477 %
Concentration per Run 3	0.7981 ppm	101.6219 %	89.9936 %	91.5804 %	102.3002 %	81.9063 %	90.5170 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.2 %	0.7 %	0.4 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2116527-8 WG2116527
 Analysis started at: 9/24/2025 19:34:54
 Comments: <Comment>
 Rack: 1
 Vial: 33

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0014 ppm	0.0278 ppm	0.0036 ppm	0.0523 ppm	0.0006 ppm	0.0000 ppm	0.4638 ppm
Concentration per Run 1	0.0014 ppm	0.0216 ppm	0.0032 ppm	0.0523 ppm	0.0007 ppm	0.0000 ppm	0.4704 ppm
Concentration per Run 2	0.0014 ppm	0.0377 ppm	0.0027 ppm	0.0521 ppm	0.0007 ppm	0.0000 ppm	0.4552 ppm
Concentration per Run 3	0.0015 ppm	0.0242 ppm	0.0050 ppm	0.0526 ppm	0.0005 ppm	-0.0001 ppm	0.4658 ppm
Concentration RSD	6.7 %	31.1 %	32.7 %	0.5 %	22.9 %	57.2 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0007 ppm	0.4255 ppm	0.4686 ppm	391.4447 ppm	0.0014 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0008 ppm	0.4237 ppm	0.4726 ppm	395.5511 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0006 ppm	0.4262 ppm	0.4668 ppm	389.5289 ppm	0.0025 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0007 ppm	0.4267 ppm	0.4664 ppm	389.2541 ppm	0.0014 ppm
Concentration RSD	30.3 %	30.1 %	11.3 %	0.4 %	0.7 %	0.9 %	74.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1957 ppm	0.0537 ppm	0.0634 ppm	993.5058 [SIC 500]	0.0144 ppm	0.0134 ppm	0.0049 ppm
Concentration per Run 1	0.1957 ppm	0.0548 ppm	0.0637 ppm	1,020.0989 ppm	0.0149 ppm	0.0138 ppm	0.0049 ppm
Concentration per Run 2	0.1971 ppm	0.0534 ppm	0.0634 ppm	974.7741 ppm	0.0143 ppm	0.0132 ppm	0.0046 ppm
Concentration per Run 3	0.1944 ppm	0.0530 ppm	0.0631 ppm	985.6445 ppm	0.0141 ppm	0.0133 ppm	0.0051 ppm
Concentration RSD	0.7 %	1.8 %	0.5 %	2.4 %	2.9 %	2.4 %	4.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	2.1961 ppm	0.0024 ppm	0.0015 ppm	0.0004 ppm	0.0010 ppm	0.0009 ppm
Concentration per Run 1	-0.0023 ppm	2.1980 ppm	0.0019 ppm	0.0016 ppm	0.0002 ppm	0.0009 ppm	0.0006 ppm
Concentration per Run 2	0.0017 ppm	2.1944 ppm	0.0026 ppm	0.0016 ppm	0.0006 ppm	0.0009 ppm	0.0010 ppm
Concentration per Run 3	0.0021 ppm	2.1958 ppm	0.0027 ppm	0.0015 ppm	0.0003 ppm	0.0010 ppm	0.0011 ppm
Concentration RSD	525.7 %	0.1 %	18.3 %	2.5 %	54.3 %	9.4 %	28.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1967 ppm	100.8064 %	89.9963 %	91.2300 %	101.8461 %	82.1627 %	90.9656 %
Concentration per Run 1	0.1971 ppm	100.4416 %	89.9364 %	91.3015 %	100.6026 %	82.1366 %	90.7474 %
Concentration per Run 2	0.1968 ppm	101.1587 %	90.0936 %	91.1426 %	102.6791 %	82.1877 %	91.0555 %
Concentration per Run 3	0.1964 ppm	100.8190 %	89.9588 %	91.2461 %	102.2564 %	82.1639 %	91.0940 %
Concentration RSD	0.2 %	0.4 %	0.1 %	0.1 %	1.1 %	0.0 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2116527-9 WG2116527
 Analysis started at: 9/24/2025 19:39:32
 Comments: <Comment>
 Rack: 1
 Vial: 34

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0517 ppm	1.9524 ppm	0.1413 ppm	1.0840 ppm	1.8531 ppm	0.0469 ppm	10.0894 ppm
Concentration per Run 1	0.0509 ppm	1.9884 ppm	0.1420 ppm	1.0770 ppm	1.8767 ppm	0.0476 ppm	10.2177 ppm
Concentration per Run 2	0.0518 ppm	1.9327 ppm	0.1409 ppm	1.0808 ppm	1.8431 ppm	0.0465 ppm	10.0345 ppm
Concentration per Run 3	0.0524 ppm	1.9361 ppm	0.1410 ppm	1.0941 ppm	1.8395 ppm	0.0465 ppm	10.0159 ppm
Concentration RSD	1.5 %	1.6 %	0.4 %	0.8 %	1.1 %	1.3 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0572 ppm	0.4970 ppm	0.1899 ppm	0.6683 ppm	1.3919 ppm	401.7359 ppm	0.0017 ppm
Concentration per Run 1	0.0569 ppm	0.4958 ppm	0.1898 ppm	0.6671 ppm	1.4104 ppm	406.9529 ppm	-0.0002 ppm
Concentration per Run 2	0.0569 ppm	0.4947 ppm	0.1896 ppm	0.6679 ppm	1.3864 ppm	399.4684 ppm	0.0026 ppm
Concentration per Run 3	0.0577 ppm	0.5005 ppm	0.1902 ppm	0.6699 ppm	1.3789 ppm	398.7864 ppm	0.0027 ppm
Concentration RSD	0.8 %	0.6 %	0.2 %	0.2 %	1.2 %	1.1 %	97.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.1824 ppm	0.5102 ppm	1.1257 ppm	996.6831 [SIC 500]	0.5197 ppm	0.5464 ppm	0.5362 ppm
Concentration per Run 1	9.2025 ppm	0.5170 ppm	1.1198 ppm	1,014.0054 ppm	0.5180 ppm	0.5447 ppm	0.5311 ppm
Concentration per Run 2	9.1980 ppm	0.5083 ppm	1.1215 ppm	994.0831 ppm	0.5180 ppm	0.5436 ppm	0.5348 ppm
Concentration per Run 3	9.1465 ppm	0.5053 ppm	1.1359 ppm	981.9609 ppm	0.5233 ppm	0.5509 ppm	0.5426 ppm
Concentration RSD	0.3 %	1.2 %	0.8 %	1.6 %	0.6 %	0.7 %	1.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1332 ppm	3.1286 ppm	1.0411 [SIC 20]	0.9372 ppm	0.9621 ppm	0.1094 ppm	0.4829 ppm
Concentration per Run 1	0.1312 ppm	3.1130 ppm	1.0377 ppm	0.9495 ppm	0.9617 ppm	0.1089 ppm	0.4829 ppm
Concentration per Run 2	0.1345 ppm	3.1139 ppm	1.0369 ppm	0.9324 ppm	0.9638 ppm	0.1082 ppm	0.4837 ppm
Concentration per Run 3	0.1338 ppm	3.1588 ppm	1.0486 ppm	0.9296 ppm	0.9607 ppm	0.1111 ppm	0.4821 ppm
Concentration RSD	1.3 %	0.8 %	0.6 %	1.1 %	0.2 %	1.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.7451 ppm	100.5544 %	89.7776 %	90.6929 %	101.1125 %	81.5509 %	90.5236 %
Concentration per Run 1	0.7451 ppm	99.7908 %	89.7362 %	91.2496 %	99.9012 %	81.8623 %	90.4125 %
Concentration per Run 2	0.7419 ppm	101.4230 %	89.7203 %	90.8537 %	101.7968 %	81.8160 %	90.5935 %
Concentration per Run 3	0.7484 ppm	100.4494 %	89.8762 %	89.9754 %	101.6396 %	80.9746 %	90.5648 %
Concentration RSD	0.4 %	0.8 %	0.1 %	0.7 %	1.0 %	0.6 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2116527-10d5 WG2116527
Analysis started at: 9/24/2025 19:43:54
Comments: <Comment>
Rack: 1
Vial: 35

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	0.0074 ppm	0.0022 ppm	0.0122 ppm	0.0003 ppm	0.0000 ppm	0.0998 ppm
Concentration per Run 1	0.0001 ppm	0.0073 ppm	0.0035 ppm	0.0125 ppm	0.0003 ppm	0.0000 ppm	0.0996 ppm
Concentration per Run 2	0.0007 ppm	0.0114 ppm	0.0012 ppm	0.0123 ppm	0.0002 ppm	0.0000 ppm	0.0992 ppm
Concentration per Run 3	0.0004 ppm	0.0036 ppm	0.0018 ppm	0.0118 ppm	0.0004 ppm	0.0000 ppm	0.1004 ppm
Concentration RSD	77.6 %	52.2 %	53.6 %	3.2 %	31.9 %	294.6 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0873 ppm	0.0983 ppm	79.6677 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0877 ppm	0.0981 ppm	80.3988 ppm	0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0871 ppm	0.0988 ppm	79.5071 ppm	0.0005 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0871 ppm	0.0980 ppm	79.0973 ppm	-0.0005 ppm
Concentration RSD	90.4 %	65.5 %	65.4 %	0.4 %	0.4 %	0.8 %	480.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0465 ppm	0.0110 ppm	0.0134 ppm	219.5204 ppm	0.0030 ppm	0.0026 ppm	0.0035 ppm
Concentration per Run 1	0.0463 ppm	0.0110 ppm	0.0137 ppm	222.6559 ppm	0.0025 ppm	0.0017 ppm	0.0030 ppm
Concentration per Run 2	0.0478 ppm	0.0111 ppm	0.0133 ppm	218.0118 ppm	0.0032 ppm	0.0026 ppm	0.0050 ppm
Concentration per Run 3	0.0454 ppm	0.0109 ppm	0.0133 ppm	217.8936 ppm	0.0032 ppm	0.0035 ppm	0.0026 ppm
Concentration RSD	2.7 %	1.1 %	1.6 %	1.2 %	15.1 %	34.9 %	35.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	0.4215 ppm	0.0021 ppm	0.0004 ppm	0.0002 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run 1	-0.0012 ppm	0.4235 ppm	0.0027 ppm	0.0005 ppm	0.0000 ppm	0.0019 ppm	-0.0001 ppm
Concentration per Run 2	0.0011 ppm	0.4204 ppm	0.0018 ppm	0.0004 ppm	0.0005 ppm	0.0019 ppm	0.0001 ppm
Concentration per Run 3	0.0055 ppm	0.4206 ppm	0.0019 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm
Concentration RSD	187.9 %	0.4 %	23.1 %	12.8 %	144.4 %	87.4 %	238.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0386 ppm	102.1949 %	96.3392 %	96.0152 %	102.8392 %	91.7643 %	97.6605 %
Concentration per Run 1	0.0386 ppm	101.5980 %	96.4069 %	96.1649 %	101.6597 %	91.8062 %	97.6703 %
Concentration per Run 2	0.0386 ppm	102.3439 %	96.2633 %	96.1464 %	103.1145 %	91.9411 %	97.6032 %
Concentration per Run 3	0.0386 ppm	102.6429 %	96.3474 %	95.7344 %	103.7433 %	91.5458 %	97.7080 %
Concentration RSD	0.1 %	0.5 %	0.1 %	0.3 %	1.0 %	0.2 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558732-01 WG2116527
Analysis started at: 9/24/2025 19:48:33
Comments: <Comment>
Rack: 1
Vial: 36

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0332 ppm	0.0008 ppm	0.0133 ppm	0.0240 ppm	0.0000 ppm	39.1346 ppm
Concentration per Run 1	-0.0001 ppm	0.0289 ppm	0.0003 ppm	0.0133 ppm	0.0241 ppm	0.0000 ppm	39.4344 ppm
Concentration per Run 2	0.0000 ppm	0.0329 ppm	0.0009 ppm	0.0135 ppm	0.0239 ppm	0.0000 ppm	39.0215 ppm
Concentration per Run 3	0.0001 ppm	0.0379 ppm	0.0013 ppm	0.0130 ppm	0.0240 ppm	0.0000 ppm	38.9478 ppm
Concentration RSD	3,879.9 %	13.6 %	64.9 %	2.0 %	0.4 %	105.4 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0005 ppm	0.0000 ppm	0.0021 ppm	0.0106 ppm	0.0247 ppm	1.8138 ppm	-0.0002 ppm
Concentration per Run 1	0.0006 ppm	0.0000 ppm	0.0020 ppm	0.0106 ppm	0.0249 ppm	1.8331 ppm	-0.0005 ppm
Concentration per Run 2	0.0005 ppm	0.0001 ppm	0.0021 ppm	0.0105 ppm	0.0245 ppm	1.8098 ppm	-0.0003 ppm
Concentration per Run 3	0.0005 ppm	-0.0001 ppm	0.0022 ppm	0.0107 ppm	0.0247 ppm	1.7986 ppm	0.0001 ppm
Concentration RSD	11.6 %	368.5 %	3.6 %	0.6 %	0.8 %	1.0 %	126.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.4595 ppm	0.0054 ppm	0.0024 ppm	157.7278 ppm	0.0018 ppm	0.0013 ppm	0.0008 ppm
Concentration per Run 1	4.4711 ppm	0.0055 ppm	0.0024 ppm	159.1661 ppm	0.0018 ppm	0.0014 ppm	0.0022 ppm
Concentration per Run 2	4.4715 ppm	0.0053 ppm	0.0024 ppm	156.5510 ppm	0.0015 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run 3	4.4357 ppm	0.0054 ppm	0.0024 ppm	157.4662 ppm	0.0021 ppm	0.0010 ppm	-0.0001 ppm
Concentration RSD	0.5 %	2.3 %	1.8 %	0.8 %	15.7 %	21.6 %	166.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	2.5058 ppm	0.0001 ppm	0.1804 ppm	0.0005 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 1	0.0008 ppm	2.5033 ppm	0.0002 ppm	0.1810 ppm	0.0005 ppm	0.0010 ppm	0.0002 ppm
Concentration per Run 2	-0.0022 ppm	2.5114 ppm	0.0011 ppm	0.1803 ppm	0.0005 ppm	0.0012 ppm	-0.0001 ppm
Concentration per Run 3	-0.0002 ppm	2.5027 ppm	-0.0010 ppm	0.1798 ppm	0.0006 ppm	0.0008 ppm	0.0001 ppm
Concentration RSD	286.3 %	0.2 %	1,263.2 %	0.4 %	10.7 %	18.1 %	257.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0249 ppm	104.0555 %	98.4421 %	96.7756 %	104.8473 %	93.5428 %	100.0330 %
Concentration per Run 1	0.0249 ppm	104.4197 %	98.4756 %	96.9439 %	104.4962 %	93.5782 %	99.9512 %
Concentration per Run 2	0.0250 ppm	104.0149 %	98.3605 %	96.8447 %	104.8315 %	93.4766 %	99.9323 %
Concentration per Run 3	0.0249 ppm	103.7320 %	98.4903 %	96.5382 %	105.2143 %	93.5737 %	100.2155 %
Concentration RSD	0.2 %	0.3 %	0.1 %	0.2 %	0.3 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
 Analysis started at: 9/24/2025 20:02:05
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4766 ppm	0.4821 ppm	0.4734 ppm	0.4827 ppm	0.4789 ppm	0.4847 ppm	0.4985 ppm
Concentration per Run 1	0.4758 ppm	0.4814 ppm	0.4715 ppm	0.4826 ppm	0.4799 ppm	0.4849 ppm	0.5021 ppm
Concentration per Run 2	0.4764 ppm	0.4817 ppm	0.4749 ppm	0.4828 ppm	0.4770 ppm	0.4835 ppm	0.4954 ppm
Concentration per Run 3	0.4775 ppm	0.4833 ppm	0.4738 ppm	0.4828 ppm	0.4798 ppm	0.4856 ppm	0.4979 ppm
Recovery Percentage 1	95.315 %	96.424 %	94.683 %	96.545 %	95.778 %	96.935 %	99.692 %
Concentration RSD	0.2 %	0.2 %	0.4 %	0.0 %	0.3 %	0.2 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4940 ppm	0.4975 ppm	0.4933 ppm	0.4942 ppm	0.4834 ppm	5.0595 ppm	0.4924 ppm
Concentration per Run 1	0.4939 ppm	0.4988 ppm	0.4929 ppm	0.4931 ppm	0.4853 ppm	5.0861 ppm	0.4913 ppm
Concentration per Run 2	0.4936 ppm	0.4964 ppm	0.4941 ppm	0.4953 ppm	0.4813 ppm	5.0356 ppm	0.4918 ppm
Concentration per Run 3	0.4944 ppm	0.4973 ppm	0.4930 ppm	0.4942 ppm	0.4836 ppm	5.0569 ppm	0.4941 ppm
Recovery Percentage 1	98.794 %	99.499 %	98.668 %	98.841 %	96.679 %	101.190 %	98.482 %
Concentration RSD	0.1 %	0.2 %	0.1 %	0.2 %	0.4 %	0.5 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4896 ppm	0.4840 ppm	0.4890 ppm	9.9889 ppm	0.4981 ppm	0.5051 ppm	0.5061 ppm
Concentration per Run 1	0.4900 ppm	0.4848 ppm	0.4880 ppm	10.0061 ppm	0.4983 ppm	0.5054 ppm	0.5079 ppm
Concentration per Run 2	0.4887 ppm	0.4838 ppm	0.4883 ppm	9.9688 ppm	0.4976 ppm	0.5049 ppm	0.5044 ppm
Concentration per Run 3	0.4901 ppm	0.4834 ppm	0.4907 ppm	9.9919 ppm	0.4984 ppm	0.5051 ppm	0.5060 ppm
Recovery Percentage 1	97.916 %	96.803 %	97.802 %	99.889 %	99.620 %	101.027 %	101.220 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.2 %	0.1 %	0.1 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4842 ppm	5.4282 ppm	0.4903 ppm	0.4809 ppm	0.4800 ppm	0.5128 ppm	0.4878 ppm
Concentration per Run 1	0.4826 ppm	5.4208 ppm	0.4909 ppm	0.4817 ppm	0.4794 ppm	0.5117 ppm	0.4874 ppm
Concentration per Run 2	0.4847 ppm	5.4208 ppm	0.4887 ppm	0.4797 ppm	0.4807 ppm	0.5119 ppm	0.4894 ppm
Concentration per Run 3	0.4853 ppm	5.4429 ppm	0.4913 ppm	0.4811 ppm	0.4799 ppm	0.5147 ppm	0.4866 ppm
Recovery Percentage 1	96.844 %	103.394 %	98.057 %	96.171 %	95.997 %	102.551 %	97.554 %
Concentration RSD	0.3 %	0.2 %	0.3 %	0.2 %	0.1 %	0.3 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4968 ppm	105.2237 %	102.8743 %	101.6493 %	104.4667 %	101.5142 %	103.3561 %
Concentration per Run 1	0.4966 ppm	105.8869 %	103.0647 %	101.8748 %	104.4219 %	101.6093 %	103.5225 %
Concentration per Run 2	0.4963 ppm	105.2109 %	102.6243 %	101.4423 %	104.6507 %	101.6221 %	103.1749 %
Concentration per Run 3	0.4977 ppm	104.5735 %	102.9337 %	101.6308 %	104.3274 %	101.3113 %	103.3709 %
Recovery Percentage 1	99.369 %						
Concentration RSD	0.1 %	0.6 %	0.2 %	0.2 %	0.2 %	0.2 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
Analysis started at: 9/24/2025 20:06:21
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0015 ppm	-0.0006 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 1	0.0002 ppm	-0.0083 ppm	-0.0013 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0085 ppm
Concentration per Run 2	0.0003 ppm	-0.0013 ppm	-0.0011 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	-0.0065 ppm
Concentration per Run 3	-0.0001 ppm	0.0141 ppm	0.0008 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0028 ppm
Recovery Percentage 1	2.730 %	1.501 %	-11.502 %	3.309 %	0.768 %	0.827 %	1.601 %
Concentration RSD	145.2 %	765.4 %	201.2 %	18.2 %	93.5 %	156.1 %	475.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0019 ppm	0.1322 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0013 ppm	0.1286 ppm	0.0007 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0017 ppm	0.1211 ppm	-0.0018 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0026 ppm	0.1469 ppm	0.0006 ppm
Recovery Percentage 1	-0.722 %	-0.446 %	-0.375 %	-1.258 %	3.747 %	5.289 %	-1.852 %
Concentration RSD	105.2 %	183.7 %	155.7 %	140.4 %	34.6 %	10.0 %	775.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0024 ppm	-0.0002 ppm	0.0003 ppm	0.2647 ppm	0.0005 ppm	0.0006 ppm	0.0014 ppm
Concentration per Run 1	0.0034 ppm	-0.0001 ppm	0.0004 ppm	0.2701 ppm	0.0002 ppm	0.0009 ppm	0.0023 ppm
Concentration per Run 2	0.0032 ppm	-0.0004 ppm	0.0004 ppm	0.2652 ppm	0.0006 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run 3	0.0008 ppm	0.0000 ppm	0.0001 ppm	0.2587 ppm	0.0006 ppm	0.0005 ppm	0.0022 ppm
Recovery Percentage 1	2.449 %	-1.837 %	0.631 %	13.233 %	1.813 %	5.673 %	2.793 %
Concentration RSD	58.5 %	109.6 %	63.1 %	2.2 %	52.6 %	50.3 %	101.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	0.0005 ppm	0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	-0.0019 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0010 ppm	0.0002 ppm
Concentration per Run 2	0.0008 ppm	0.0002 ppm	0.0008 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 3	-0.0009 ppm	0.0015 ppm	0.0003 ppm	-0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm
Recovery Percentage 1	-6.702 %	0.106 %	0.808 %	-0.260 %	1.914 %	1.806 %	0.627 %
Concentration RSD	200.2 %	169.4 %	86.0 %	139.4 %	208.0 %	156.6 %	273.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	104.7298 %	103.5446 %	101.7961 %	102.7188 %	103.3068 %	102.6748 %
Concentration per Run 1	-0.0001 ppm	104.2015 %	103.5091 %	102.0099 %	101.5327 %	103.0977 %	102.6077 %
Concentration per Run 2	-0.0001 ppm	105.0834 %	103.6932 %	101.7754 %	103.4250 %	103.3389 %	102.7745 %
Concentration per Run 3	0.0001 ppm	104.9045 %	103.4315 %	101.6030 %	103.1989 %	103.4839 %	102.6422 %
Recovery Percentage 1	-0.960 %						
Concentration RSD	217.3 %	0.4 %	0.1 %	0.2 %	1.0 %	0.2 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2545988-01d2 WG2118151
 Analysis started at: 9/24/2025 20:34:54
 Comments: <Comment>
 Rack: 1
 Vial: 37

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0021 ppm	88.5437 ppm	0.0516 ppm	0.0182 ppm	0.7153 ppm	0.0050 ppm	37.3964 ppm
Concentration per Run 1	0.0022 ppm	87.9403 ppm	0.0544 ppm	0.0187 ppm	0.7105 ppm	0.0050 ppm	37.1464 ppm
Concentration per Run 2	0.0020 ppm	88.6946 ppm	0.0504 ppm	0.0184 ppm	0.7153 ppm	0.0049 ppm	37.4551 ppm
Concentration per Run 3	0.0019 ppm	88.9960 ppm	0.0501 ppm	0.0176 ppm	0.7200 ppm	0.0050 ppm	37.5879 ppm
Concentration RSD	7.6 %	0.6 %	4.6 %	3.2 %	0.7 %	0.6 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0093 ppm	0.1001 ppm	0.2915 ppm	0.2853 ppm	211.0537 ppm	5.3399 ppm	0.1806 ppm
Concentration per Run 1	0.0094 ppm	0.0999 ppm	0.2922 ppm	0.2855 ppm	206.9072 ppm	5.2909 ppm	0.1807 ppm
Concentration per Run 2	0.0091 ppm	0.0999 ppm	0.2905 ppm	0.2852 ppm	215.6048 ppm	5.3299 ppm	0.1805 ppm
Concentration per Run 3	0.0094 ppm	0.1004 ppm	0.2917 ppm	0.2852 ppm	210.6493 ppm	5.3990 ppm	0.1807 ppm
Concentration RSD	1.8 %	0.3 %	0.3 %	0.1 %	2.1 %	1.0 %	0.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	36.1943 ppm	7.0829 ppm	0.0031 ppm	1.2232 ppm	0.2016 ppm	0.3626 ppm	0.0006 ppm
Concentration per Run 1	36.2656 ppm	7.0346 ppm	0.0032 ppm	1.2274 ppm	0.2020 ppm	0.3616 ppm	-0.0009 ppm
Concentration per Run 2	36.0728 ppm	7.0959 ppm	0.0031 ppm	1.2182 ppm	0.2010 ppm	0.3636 ppm	0.0024 ppm
Concentration per Run 3	36.2445 ppm	7.1183 ppm	0.0029 ppm	1.2239 ppm	0.2019 ppm	0.3627 ppm	0.0004 ppm
Concentration RSD	0.3 %	0.6 %	5.7 %	0.4 %	0.3 %	0.3 %	262.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0027 ppm	4.9176 ppm	0.0284 ppm	0.1721 ppm	0.6163 ppm	-0.0038 ppm	0.1329 ppm
Concentration per Run 1	0.0039 ppm	4.9117 ppm	0.0295 ppm	0.1710 ppm	0.6170 ppm	-0.0031 ppm	0.1337 ppm
Concentration per Run 2	0.0026 ppm	4.9191 ppm	0.0273 ppm	0.1722 ppm	0.6151 ppm	-0.0034 ppm	0.1319 ppm
Concentration per Run 3	0.0017 ppm	4.9219 ppm	0.0283 ppm	0.1730 ppm	0.6169 ppm	-0.0050 ppm	0.1331 ppm
Concentration RSD	40.2 %	0.1 %	3.9 %	0.6 %	0.2 %	25.9 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.1414 ppm	127.7363 %	120.1744 %	118.2763 %	108.0972 %	92.3270 %	101.3337 %
Concentration per Run 1	1.1391 ppm	127.7601 %	119.9707 %	118.0290 %	109.0244 %	92.3480 %	101.2547 %
Concentration per Run 2	1.1433 ppm	127.3901 %	120.2449 %	118.4898 %	107.4706 %	92.3257 %	101.4548 %
Concentration per Run 3	1.1418 ppm	128.0585 %	120.3077 %	118.3101 %	107.7965 %	92.3072 %	101.2916 %
Concentration RSD	0.2 %	0.3 %	0.1 %	0.2 %	0.8 %	0.0 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555473-01d2 WG2118151
 Analysis started at: 9/24/2025 20:39:19
 Comments: <Comment>
 Rack: 1
 Vial: 38

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0006 ppm	29.8916 ppm	0.2037 ppm	0.0298 ppm	0.3070 ppm	0.0023 ppm	526.9635 ppm
Concentration per Run 1	0.0010 ppm	29.8497 ppm	0.2067 ppm	0.0297 ppm	0.3063 ppm	0.0023 ppm	531.8721 ppm
Concentration per Run 2	0.0006 ppm	29.9674 ppm	0.2016 ppm	0.0297 ppm	0.3078 ppm	0.0022 ppm	527.5975 ppm
Concentration per Run 3	0.0003 ppm	29.8576 ppm	0.2028 ppm	0.0301 ppm	0.3070 ppm	0.0023 ppm	521.4208 ppm
Concentration RSD	53.0 %	0.2 %	1.3 %	0.8 %	0.3 %	2.4 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0014 ppm	0.0898 ppm	0.0622 ppm	0.5312 ppm	230.4055 ppm	3.4512 ppm	0.0733 ppm
Concentration per Run 1	0.0011 ppm	0.0888 ppm	0.0626 ppm	0.5313 ppm	232.0353 ppm	3.4288 ppm	0.0719 ppm
Concentration per Run 2	0.0016 ppm	0.0904 ppm	0.0621 ppm	0.5315 ppm	230.2354 ppm	3.4587 ppm	0.0733 ppm
Concentration per Run 3	0.0014 ppm	0.0903 ppm	0.0618 ppm	0.5309 ppm	228.9456 ppm	3.4660 ppm	0.0746 ppm
Concentration RSD	16.8 %	1.0 %	0.6 %	0.1 %	0.7 %	0.6 %	1.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	115.7282 ppm	2.0601 ppm	0.0110 ppm	2.7075 ppm	0.1418 ppm	0.8742 ppm	0.0278 ppm
Concentration per Run 1	115.4778 ppm	2.0585 ppm	0.0109 ppm	2.7053 ppm	0.1402 ppm	0.8710 ppm	0.0266 ppm
Concentration per Run 2	115.8407 ppm	2.0658 ppm	0.0109 ppm	2.7159 ppm	0.1424 ppm	0.8777 ppm	0.0282 ppm
Concentration per Run 3	115.8661 ppm	2.0561 ppm	0.0111 ppm	2.7013 ppm	0.1428 ppm	0.8740 ppm	0.0285 ppm
Concentration RSD	0.2 %	0.2 %	0.8 %	0.3 %	1.0 %	0.4 %	3.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0051 ppm	6.5015 ppm	0.1084 ppm	0.7859 ppm	0.7355 ppm	0.0008 ppm	0.1312 ppm
Concentration per Run 1	0.0043 ppm	6.4516 ppm	0.1082 ppm	0.7836 ppm	0.7345 ppm	-0.0015 ppm	0.1313 ppm
Concentration per Run 2	0.0072 ppm	6.5303 ppm	0.1092 ppm	0.7876 ppm	0.7369 ppm	0.0024 ppm	0.1312 ppm
Concentration per Run 3	0.0039 ppm	6.5224 ppm	0.1077 ppm	0.7865 ppm	0.7349 ppm	0.0014 ppm	0.1310 ppm
Concentration RSD	34.9 %	0.7 %	0.7 %	0.3 %	0.2 %	267.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.1926 ppm	112.7394 %	102.3565 %	99.2334 %	102.8731 %	81.6331 %	93.6071 %
Concentration per Run 1	1.1846 ppm	112.5380 %	102.5205 %	99.7259 %	102.6357 %	82.0258 %	93.8208 %
Concentration per Run 2	1.1959 ppm	112.3783 %	102.2985 %	98.9468 %	102.5099 %	81.5036 %	93.5197 %
Concentration per Run 3	1.1973 ppm	113.3018 %	102.2504 %	99.0274 %	103.4737 %	81.3698 %	93.4807 %
Concentration RSD	0.6 %	0.4 %	0.1 %	0.4 %	0.5 %	0.4 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555473-02d2 WG2118151
 Analysis started at: 9/24/2025 20:43:54
 Comments: <Comment>
 Rack: 1
 Vial: 39

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	122.1608 ppm	0.0613 ppm	0.0108 ppm	0.4706 ppm	0.0052 ppm	43.4197 ppm
Concentration per Run 1	-0.0005 ppm	122.5961 ppm	0.0624 ppm	0.0108 ppm	0.4720 ppm	0.0052 ppm	43.6020 ppm
Concentration per Run 2	-0.0003 ppm	122.1354 ppm	0.0632 ppm	0.0102 ppm	0.4706 ppm	0.0053 ppm	43.4035 ppm
Concentration per Run 3	-0.0006 ppm	121.7509 ppm	0.0582 ppm	0.0113 ppm	0.4694 ppm	0.0052 ppm	43.2537 ppm
Concentration RSD	38.7 %	0.3 %	4.4 %	5.0 %	0.3 %	0.9 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.1197 ppm	0.1367 ppm	0.2302 ppm	262.6836 ppm	6.7764 ppm	0.2908 ppm
Concentration per Run 1	0.0001 ppm	0.1194 ppm	0.1366 ppm	0.2300 ppm	264.6474 ppm	6.8162 ppm	0.2920 ppm
Concentration per Run 2	0.0000 ppm	0.1199 ppm	0.1366 ppm	0.2302 ppm	261.5979 ppm	6.7749 ppm	0.2904 ppm
Concentration per Run 3	0.0001 ppm	0.1199 ppm	0.1369 ppm	0.2305 ppm	261.8057 ppm	6.7381 ppm	0.2901 ppm
Concentration RSD	74.2 %	0.2 %	0.1 %	0.1 %	0.6 %	0.6 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	54.9191 ppm	10.7484 ppm	0.0060 ppm	2.5763 ppm	0.2382 ppm	0.1629 ppm	0.0029 ppm
Concentration per Run 1	54.8734 ppm	10.7880 ppm	0.0062 ppm	2.6024 ppm	0.2377 ppm	0.1643 ppm	0.0023 ppm
Concentration per Run 2	54.9941 ppm	10.7441 ppm	0.0062 ppm	2.5772 ppm	0.2382 ppm	0.1620 ppm	0.0031 ppm
Concentration per Run 3	54.8898 ppm	10.7130 ppm	0.0055 ppm	2.5494 ppm	0.2387 ppm	0.1625 ppm	0.0034 ppm
Concentration RSD	0.1 %	0.4 %	7.3 %	1.0 %	0.2 %	0.7 %	20.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	6.2278 ppm	0.0103 ppm	0.1341 ppm	0.3709 ppm	-0.0057 ppm	0.1454 ppm
Concentration per Run 1	0.0060 ppm	6.2196 ppm	0.0097 ppm	0.1345 ppm	0.3713 ppm	-0.0072 ppm	0.1451 ppm
Concentration per Run 2	-0.0030 ppm	6.2214 ppm	0.0110 ppm	0.1342 ppm	0.3705 ppm	-0.0049 ppm	0.1458 ppm
Concentration per Run 3	-0.0044 ppm	6.2423 ppm	0.0102 ppm	0.1336 ppm	0.3710 ppm	-0.0051 ppm	0.1453 ppm
Concentration RSD	1,234.0 %	0.2 %	6.2 %	0.3 %	0.1 %	22.8 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.7608 ppm	131.4652 %	123.8731 %	121.3018 %	108.6910 %	92.3977 %	102.8235 %
Concentration per Run 1	0.7602 ppm	131.0165 %	123.7401 %	121.3963 %	108.0840 %	92.5179 %	102.6756 %
Concentration per Run 2	0.7621 ppm	131.9390 %	123.8626 %	121.0644 %	109.0112 %	92.2817 %	102.8810 %
Concentration per Run 3	0.7600 ppm	131.4400 %	124.0166 %	121.4447 %	108.9777 %	92.3934 %	102.9141 %
Concentration RSD	0.1 %	0.4 %	0.1 %	0.2 %	0.5 %	0.1 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555473-03d2 WG2118151
 Analysis started at: 9/24/2025 20:48:21
 Comments: <Comment>
 Rack: 1
 Vial: 40

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	95.4879 ppm	0.0469 ppm	0.0452 ppm	0.3971 ppm	0.0049 ppm	32.4766 ppm
Concentration per Run 1	-0.0003 ppm	95.4205 ppm	0.0476 ppm	0.0448 ppm	0.3968 ppm	0.0048 ppm	32.4040 ppm
Concentration per Run 2	-0.0005 ppm	95.4402 ppm	0.0446 ppm	0.0459 ppm	0.3970 ppm	0.0049 ppm	32.4786 ppm
Concentration per Run 3	-0.0001 ppm	95.6029 ppm	0.0485 ppm	0.0449 ppm	0.3974 ppm	0.0049 ppm	32.5472 ppm
Concentration RSD	64.5 %	0.1 %	4.4 %	1.4 %	0.1 %	1.2 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0004 ppm	0.0942 ppm	0.1307 ppm	0.1242 ppm	202.1697 ppm	8.1798 ppm	0.2038 ppm
Concentration per Run 1	0.0003 ppm	0.0942 ppm	0.1306 ppm	0.1244 ppm	200.6228 ppm	8.2064 ppm	0.2050 ppm
Concentration per Run 2	0.0004 ppm	0.0941 ppm	0.1313 ppm	0.1240 ppm	201.7285 ppm	8.1505 ppm	0.2033 ppm
Concentration per Run 3	0.0004 ppm	0.0942 ppm	0.1302 ppm	0.1241 ppm	204.1577 ppm	8.1824 ppm	0.2031 ppm
Concentration RSD	17.2 %	0.1 %	0.4 %	0.2 %	0.9 %	0.3 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	33.5139 ppm	8.5300 ppm	0.0030 ppm	2.2966 ppm	0.1788 ppm	0.1274 ppm	0.0008 ppm
Concentration per Run 1	33.4655 ppm	8.5172 ppm	0.0029 ppm	2.2939 ppm	0.1784 ppm	0.1258 ppm	0.0018 ppm
Concentration per Run 2	33.6250 ppm	8.5327 ppm	0.0029 ppm	2.3073 ppm	0.1791 ppm	0.1277 ppm	0.0015 ppm
Concentration per Run 3	33.4512 ppm	8.5401 ppm	0.0031 ppm	2.2888 ppm	0.1788 ppm	0.1287 ppm	-0.0008 ppm
Concentration RSD	0.3 %	0.1 %	3.9 %	0.4 %	0.2 %	1.2 %	175.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	9.2832 ppm	0.0097 ppm	0.1942 ppm	0.7898 ppm	-0.0039 ppm	0.1398 ppm
Concentration per Run 1	-0.0034 ppm	9.2831 ppm	0.0091 ppm	0.1946 ppm	0.7896 ppm	-0.0042 ppm	0.1401 ppm
Concentration per Run 2	0.0020 ppm	9.2722 ppm	0.0099 ppm	0.1937 ppm	0.7919 ppm	-0.0034 ppm	0.1405 ppm
Concentration per Run 3	0.0019 ppm	9.2941 ppm	0.0101 ppm	0.1943 ppm	0.7881 ppm	-0.0042 ppm	0.1389 ppm
Concentration RSD	2,028.3 %	0.1 %	5.5 %	0.2 %	0.2 %	12.2 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5853 ppm	133.0562 %	124.1720 %	121.9444 %	109.6591 %	93.7378 %	103.1921 %
Concentration per Run 1	0.5847 ppm	133.8958 %	124.3197 %	121.7196 %	110.2685 %	93.6932 %	103.2367 %
Concentration per Run 2	0.5849 ppm	133.3039 %	123.9851 %	122.1032 %	109.6180 %	93.8286 %	103.0159 %
Concentration per Run 3	0.5864 ppm	131.9687 %	124.2112 %	122.0104 %	109.0907 %	93.6917 %	103.3237 %
Concentration RSD	0.2 %	0.7 %	0.1 %	0.2 %	0.5 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555473-04d2 WG2118151
 Analysis started at: 9/24/2025 20:52:47
 Comments: <Comment>
 Rack: 1
 Vial: 41

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0006 ppm	85.5123 ppm	0.2721 ppm	0.0274 ppm	0.5336 ppm	0.0042 ppm	301.0421 ppm
Concentration per Run 1	0.0007 ppm	85.5816 ppm	0.2751 ppm	0.0274 ppm	0.5345 ppm	0.0042 ppm	300.7265 ppm
Concentration per Run 2	0.0005 ppm	85.5623 ppm	0.2680 ppm	0.0270 ppm	0.5341 ppm	0.0041 ppm	301.2279 ppm
Concentration per Run 3	0.0006 ppm	85.3931 ppm	0.2733 ppm	0.0276 ppm	0.5324 ppm	0.0042 ppm	301.1720 ppm
Concentration RSD	19.1 %	0.1 %	1.4 %	1.0 %	0.2 %	0.7 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0039 ppm	0.0815 ppm	0.1521 ppm	1.7604 ppm	226.2200 ppm	5.7945 ppm	0.1716 ppm
Concentration per Run 1	0.0038 ppm	0.0817 ppm	0.1521 ppm	1.7623 ppm	226.8790 ppm	5.8122 ppm	0.1720 ppm
Concentration per Run 2	0.0039 ppm	0.0815 ppm	0.1518 ppm	1.7571 ppm	227.1182 ppm	5.7985 ppm	0.1716 ppm
Concentration per Run 3	0.0042 ppm	0.0814 ppm	0.1522 ppm	1.7618 ppm	224.6627 ppm	5.7728 ppm	0.1712 ppm
Concentration RSD	4.9 %	0.2 %	0.1 %	0.2 %	0.6 %	0.3 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	48.1183 ppm	5.2474 ppm	0.0151 ppm	1.5811 ppm	0.2552 ppm	1.3348 ppm	0.0104 ppm
Concentration per Run 1	48.2031 ppm	5.2538 ppm	0.0153 ppm	1.5815 ppm	0.2556 ppm	1.3380 ppm	0.0095 ppm
Concentration per Run 2	48.0838 ppm	5.2473 ppm	0.0150 ppm	1.5841 ppm	0.2541 ppm	1.3328 ppm	0.0111 ppm
Concentration per Run 3	48.0681 ppm	5.2412 ppm	0.0151 ppm	1.5779 ppm	0.2559 ppm	1.3336 ppm	0.0107 ppm
Concentration RSD	0.2 %	0.1 %	0.8 %	0.2 %	0.4 %	0.2 %	8.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	34.2032 [SIC 200]	0.1165 ppm	0.5690 ppm	1.1192 ppm	-0.0029 ppm	0.1938 ppm
Concentration per Run 1	0.0004 ppm	33.9595 ppm	0.1172 ppm	0.5693 ppm	1.1205 ppm	-0.0033 ppm	0.1946 ppm
Concentration per Run 2	0.0038 ppm	34.1448 ppm	0.1162 ppm	0.5696 ppm	1.1187 ppm	-0.0032 ppm	0.1935 ppm
Concentration per Run 3	0.0008 ppm	34.5053 ppm	0.1161 ppm	0.5680 ppm	1.1183 ppm	-0.0021 ppm	0.1934 ppm
Concentration RSD	110.2 %	0.8 %	0.5 %	0.2 %	0.1 %	22.0 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.5255 ppm	121.4654 %	112.6508 %	108.9262 %	106.2810 %	86.5767 %	98.8215 %
Concentration per Run 1	1.5320 ppm	121.6414 %	112.3280 %	108.6710 %	106.3726 %	86.3205 %	98.5472 %
Concentration per Run 2	1.5217 ppm	121.3501 %	112.9582 %	108.9169 %	106.0967 %	86.7539 %	98.9587 %
Concentration per Run 3	1.5229 ppm	121.4046 %	112.6663 %	109.1908 %	106.3736 %	86.6558 %	98.9587 %
Concentration RSD	0.4 %	0.1 %	0.3 %	0.2 %	0.2 %	0.3 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555473-05d2 WG2118151
 Analysis started at: 9/24/2025 20:57:21
 Comments: <Comment>
 Rack: 1
 Vial: 42

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	96.6274 ppm	0.0572 ppm	0.0099 ppm	0.2646 ppm	0.0037 ppm	182.4422 ppm
Concentration per Run 1	0.0000 ppm	97.0402 ppm	0.0546 ppm	0.0094 ppm	0.2657 ppm	0.0037 ppm	183.4469 ppm
Concentration per Run 2	-0.0002 ppm	96.4003 ppm	0.0603 ppm	0.0103 ppm	0.2642 ppm	0.0037 ppm	181.8378 ppm
Concentration per Run 3	-0.0005 ppm	96.4418 ppm	0.0566 ppm	0.0098 ppm	0.2640 ppm	0.0037 ppm	182.0419 ppm
Concentration RSD	92.0 %	0.4 %	5.0 %	4.7 %	0.4 %	0.9 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0932 ppm	0.1150 ppm	0.2185 ppm	213.7774 ppm	5.2615 ppm	0.2364 ppm
Concentration per Run 1	0.0001 ppm	0.0933 ppm	0.1153 ppm	0.2188 ppm	217.2881 ppm	5.3115 ppm	0.2370 ppm
Concentration per Run 2	0.0002 ppm	0.0931 ppm	0.1147 ppm	0.2181 ppm	212.1688 ppm	5.2185 ppm	0.2366 ppm
Concentration per Run 3	0.0001 ppm	0.0931 ppm	0.1149 ppm	0.2185 ppm	211.8754 ppm	5.2545 ppm	0.2356 ppm
Concentration RSD	61.5 %	0.1 %	0.3 %	0.2 %	1.4 %	0.9 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	53.4085 ppm	6.8675 ppm	0.0036 ppm	0.8508 ppm	0.2031 ppm	0.1547 ppm	0.0036 ppm
Concentration per Run 1	53.3391 ppm	6.8992 ppm	0.0033 ppm	0.8526 ppm	0.2033 ppm	0.1562 ppm	0.0014 ppm
Concentration per Run 2	53.4373 ppm	6.8500 ppm	0.0039 ppm	0.8490 ppm	0.2018 ppm	0.1545 ppm	0.0041 ppm
Concentration per Run 3	53.4492 ppm	6.8534 ppm	0.0037 ppm	0.8508 ppm	0.2041 ppm	0.1534 ppm	0.0052 ppm
Concentration RSD	0.1 %	0.4 %	7.9 %	0.2 %	0.6 %	0.9 %	56.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0022 ppm	7.7398 ppm	0.0107 ppm	0.4692 ppm	0.2813 ppm	-0.0028 ppm	0.1232 ppm
Concentration per Run 1	0.0011 ppm	7.7620 ppm	0.0108 ppm	0.4707 ppm	0.2809 ppm	-0.0035 ppm	0.1230 ppm
Concentration per Run 2	-0.0028 ppm	7.7329 ppm	0.0109 ppm	0.4684 ppm	0.2814 ppm	-0.0024 ppm	0.1239 ppm
Concentration per Run 3	-0.0050 ppm	7.7246 ppm	0.0106 ppm	0.4686 ppm	0.2818 ppm	-0.0023 ppm	0.1227 ppm
Concentration RSD	140.8 %	0.3 %	1.4 %	0.3 %	0.2 %	24.1 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6766 ppm	124.8821 %	116.1549 %	113.1646 %	106.8702 %	89.2093 %	100.0166 %
Concentration per Run 1	0.6769 ppm	124.0899 %	115.9571 %	112.9431 %	105.8689 %	88.9196 %	99.9028 %
Concentration per Run 2	0.6768 ppm	125.3860 %	116.1272 %	113.3149 %	107.3006 %	89.3765 %	99.9909 %
Concentration per Run 3	0.6761 ppm	125.1703 %	116.3804 %	113.2359 %	107.4409 %	89.3317 %	100.1561 %
Concentration RSD	0.1 %	0.6 %	0.2 %	0.2 %	0.8 %	0.3 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555473-06d2 WG2118151
 Analysis started at: 9/24/2025 21:01:51
 Comments: <Comment>
 Rack: 1
 Vial: 43

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	93.8667 ppm	0.0500 ppm	0.0076 ppm	0.1940 ppm	0.0036 ppm	151.2164 ppm
Concentration per Run 1	-0.0004 ppm	94.2031 ppm	0.0505 ppm	0.0078 ppm	0.1948 ppm	0.0037 ppm	151.9909 ppm
Concentration per Run 2	0.0001 ppm	93.6841 ppm	0.0511 ppm	0.0075 ppm	0.1940 ppm	0.0036 ppm	150.6881 ppm
Concentration per Run 3	-0.0004 ppm	93.7128 ppm	0.0485 ppm	0.0075 ppm	0.1933 ppm	0.0036 ppm	150.9703 ppm
Concentration RSD	120.5 %	0.3 %	2.7 %	2.1 %	0.4 %	1.3 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0894 ppm	0.1092 ppm	0.2026 ppm	205.8227 ppm	5.5409 ppm	0.2122 ppm
Concentration per Run 1	0.0001 ppm	0.0908 ppm	0.1099 ppm	0.2028 ppm	208.6429 ppm	5.5562 ppm	0.2126 ppm
Concentration per Run 2	0.0001 ppm	0.0890 ppm	0.1095 ppm	0.2020 ppm	204.4889 ppm	5.5373 ppm	0.2125 ppm
Concentration per Run 3	0.0001 ppm	0.0885 ppm	0.1083 ppm	0.2029 ppm	204.3362 ppm	5.5293 ppm	0.2115 ppm
Concentration RSD	28.2 %	1.4 %	0.7 %	0.2 %	1.2 %	0.2 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	44.9416 ppm	5.0479 ppm	0.0017 ppm	0.9991 ppm	0.1917 ppm	0.1065 ppm	0.0006 ppm
Concentration per Run 1	45.0684 ppm	5.0680 ppm	0.0015 ppm	1.0063 ppm	0.1941 ppm	0.1089 ppm	-0.0008 ppm
Concentration per Run 2	44.9149 ppm	5.0376 ppm	0.0018 ppm	0.9957 ppm	0.1905 ppm	0.1056 ppm	0.0022 ppm
Concentration per Run 3	44.8414 ppm	5.0381 ppm	0.0019 ppm	0.9954 ppm	0.1904 ppm	0.1050 ppm	0.0004 ppm
Concentration RSD	0.3 %	0.3 %	12.9 %	0.6 %	1.1 %	1.9 %	238.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	5.7444 ppm	0.0081 ppm	0.4444 ppm	0.2237 ppm	-0.0022 ppm	0.1129 ppm
Concentration per Run 1	-0.0016 ppm	5.8143 ppm	0.0090 ppm	0.4458 ppm	0.2234 ppm	-0.0038 ppm	0.1135 ppm
Concentration per Run 2	0.0021 ppm	5.7236 ppm	0.0069 ppm	0.4440 ppm	0.2246 ppm	-0.0012 ppm	0.1125 ppm
Concentration per Run 3	-0.0011 ppm	5.6951 ppm	0.0083 ppm	0.4434 ppm	0.2232 ppm	-0.0016 ppm	0.1128 ppm
Concentration RSD	1,131.0 %	1.1 %	13.3 %	0.3 %	0.3 %	64.1 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6266 ppm	124.4105 %	115.8095 %	112.4608 %	107.2959 %	89.6031 %	100.6586 %
Concentration per Run 1	0.6350 ppm	123.9296 %	115.4927 %	111.4047 %	106.6527 %	88.6207 %	100.2042 %
Concentration per Run 2	0.6234 ppm	124.9171 %	115.9964 %	113.0583 %	107.9367 %	89.9894 %	100.9252 %
Concentration per Run 3	0.6214 ppm	124.3847 %	115.9394 %	112.9196 %	107.2983 %	90.1991 %	100.8463 %
Concentration RSD	1.2 %	0.4 %	0.2 %	0.8 %	0.6 %	1.0 %	0.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555473-07d2 WG2118151
 Analysis started at: 9/24/2025 21:06:18
 Comments: <Comment>
 Rack: 1
 Vial: 44

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0014 ppm	74.1770 ppm	0.1000 ppm	0.0257 ppm	0.7347 ppm	0.0036 ppm	302.8674 ppm
Concentration per Run 1	0.0018 ppm	74.1149 ppm	0.1007 ppm	0.0260 ppm	0.7348 ppm	0.0035 ppm	299.8033 ppm
Concentration per Run 2	0.0008 ppm	74.1952 ppm	0.0984 ppm	0.0260 ppm	0.7349 ppm	0.0036 ppm	301.7513 ppm
Concentration per Run 3	0.0016 ppm	74.2209 ppm	0.1010 ppm	0.0250 ppm	0.7345 ppm	0.0036 ppm	307.0475 ppm
Concentration RSD	35.2 %	0.1 %	1.4 %	2.3 %	0.0 %	1.1 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0008 ppm	0.0948 ppm	0.1136 ppm	2.5331 ppm	236.9985 ppm	6.2997 ppm	0.1743 ppm
Concentration per Run 1	0.0009 ppm	0.0951 ppm	0.1140 ppm	2.5328 ppm	235.5721 ppm	6.2416 ppm	0.1744 ppm
Concentration per Run 2	0.0008 ppm	0.0948 ppm	0.1135 ppm	2.5333 ppm	237.3550 ppm	6.3364 ppm	0.1742 ppm
Concentration per Run 3	0.0008 ppm	0.0946 ppm	0.1132 ppm	2.5331 ppm	238.0684 ppm	6.3212 ppm	0.1744 ppm
Concentration RSD	3.9 %	0.3 %	0.4 %	0.0 %	0.5 %	0.8 %	0.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	117.0881 ppm	5.9087 ppm	0.0053 ppm	3.3869 ppm	0.1882 ppm	2.2264 ppm	0.0064 ppm
Concentration per Run 1	117.7699 ppm	5.8967 ppm	0.0052 ppm	3.3923 ppm	0.1879 ppm	2.2192 ppm	0.0051 ppm
Concentration per Run 2	117.4678 ppm	5.9091 ppm	0.0052 ppm	3.3787 ppm	0.1878 ppm	2.2270 ppm	0.0069 ppm
Concentration per Run 3	116.0268 ppm	5.9202 ppm	0.0053 ppm	3.3897 ppm	0.1889 ppm	2.2330 ppm	0.0072 ppm
Concentration RSD	0.8 %	0.2 %	0.5 %	0.2 %	0.3 %	0.3 %	17.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0046 ppm	6.4464 ppm	0.4398 ppm	0.5833 ppm	0.6280 ppm	-0.0029 ppm	0.1676 ppm
Concentration per Run 1	0.0075 ppm	6.4112 ppm	0.4390 ppm	0.5832 ppm	0.6277 ppm	-0.0024 ppm	0.1675 ppm
Concentration per Run 2	0.0030 ppm	6.4415 ppm	0.4383 ppm	0.5834 ppm	0.6281 ppm	-0.0025 ppm	0.1676 ppm
Concentration per Run 3	0.0032 ppm	6.4864 ppm	0.4422 ppm	0.5833 ppm	0.6283 ppm	-0.0040 ppm	0.1677 ppm
Concentration RSD	55.0 %	0.6 %	0.5 %	0.0 %	0.0 %	30.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.2627 ppm	119.9686 %	110.8240 %	106.3751 %	104.5209 %	85.3534 %	97.2852 %
Concentration per Run 1	1.2594 ppm	120.5478 %	110.6169 %	106.6390 %	104.9454 %	85.6781 %	97.0113 %
Concentration per Run 2	1.2649 ppm	120.0961 %	110.7738 %	106.3362 %	104.7470 %	85.3760 %	97.2686 %
Concentration per Run 3	1.2638 ppm	119.2618 %	111.0812 %	106.1500 %	103.8704 %	85.0061 %	97.5756 %
Concentration RSD	0.2 %	0.5 %	0.2 %	0.2 %	0.5 %	0.4 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555473-08d2 WG2118151
 Analysis started at: 9/24/2025 21:11:03
 Comments: <Comment>
 Rack: 1
 Vial: 45

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	103.9472 ppm	0.0457 ppm	0.0093 ppm	0.3279 ppm	0.0041 ppm	106.3521 ppm
Concentration per Run 1	-0.0008 ppm	104.1820 ppm	0.0461 ppm	0.0089 ppm	0.3281 ppm	0.0042 ppm	106.6170 ppm
Concentration per Run 2	0.0000 ppm	103.9937 ppm	0.0459 ppm	0.0090 ppm	0.3280 ppm	0.0041 ppm	106.5517 ppm
Concentration per Run 3	-0.0005 ppm	103.6659 ppm	0.0452 ppm	0.0100 ppm	0.3277 ppm	0.0041 ppm	105.8874 ppm
Concentration RSD	84.1 %	0.3 %	1.0 %	6.3 %	0.1 %	1.4 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0003 ppm	0.0872 ppm	0.1193 ppm	0.2168 ppm	215.9077 ppm	5.4308 ppm	0.2214 ppm
Concentration per Run 1	-0.0002 ppm	0.0872 ppm	0.1190 ppm	0.2165 ppm	215.0208 ppm	5.4821 ppm	0.2218 ppm
Concentration per Run 2	-0.0002 ppm	0.0869 ppm	0.1194 ppm	0.2169 ppm	216.9421 ppm	5.4078 ppm	0.2229 ppm
Concentration per Run 3	-0.0004 ppm	0.0875 ppm	0.1194 ppm	0.2170 ppm	215.7602 ppm	5.4026 ppm	0.2194 ppm
Concentration RSD	53.5 %	0.3 %	0.2 %	0.1 %	0.4 %	0.8 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	49.9373 ppm	5.5701 ppm	0.0027 ppm	1.7260 ppm	0.1917 ppm	0.1732 ppm	0.0028 ppm
Concentration per Run 1	49.7989 ppm	5.5802 ppm	0.0025 ppm	1.7292 ppm	0.1922 ppm	0.1723 ppm	0.0021 ppm
Concentration per Run 2	50.0523 ppm	5.5755 ppm	0.0029 ppm	1.7352 ppm	0.1912 ppm	0.1727 ppm	0.0015 ppm
Concentration per Run 3	49.9607 ppm	5.5544 ppm	0.0026 ppm	1.7136 ppm	0.1916 ppm	0.1745 ppm	0.0048 ppm
Concentration RSD	0.3 %	0.2 %	9.6 %	0.6 %	0.3 %	0.7 %	61.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0015 ppm	5.2561 ppm	0.0139 ppm	0.2850 ppm	0.3085 ppm	-0.0026 ppm	0.1356 ppm
Concentration per Run 1	-0.0019 ppm	5.2733 ppm	0.0136 ppm	0.2856 ppm	0.3080 ppm	-0.0017 ppm	0.1352 ppm
Concentration per Run 2	-0.0039 ppm	5.2530 ppm	0.0137 ppm	0.2852 ppm	0.3087 ppm	-0.0030 ppm	0.1359 ppm
Concentration per Run 3	0.0012 ppm	5.2421 ppm	0.0144 ppm	0.2844 ppm	0.3087 ppm	-0.0032 ppm	0.1357 ppm
Concentration RSD	168.0 %	0.3 %	3.3 %	0.2 %	0.1 %	31.5 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5997 ppm	123.1718 %	116.1922 %	112.9726 %	107.8649 %	91.1935 %	102.2870 %
Concentration per Run 1	0.6007 ppm	122.6302 %	116.5663 %	112.9453 %	107.1163 %	90.9861 %	102.6503 %
Concentration per Run 2	0.5993 ppm	122.9527 %	115.9452 %	113.1713 %	107.8136 %	91.2961 %	102.0101 %
Concentration per Run 3	0.5992 ppm	123.9326 %	116.0651 %	112.8012 %	108.6647 %	91.2982 %	102.2008 %
Concentration RSD	0.1 %	0.6 %	0.3 %	0.2 %	0.7 %	0.2 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555473-09d2 WG2118151
 Analysis started at: 9/24/2025 21:15:31
 Comments: <Comment>
 Rack: 1
 Vial: 46

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	95.4582 ppm	0.0522 ppm	0.0120 ppm	0.2892 ppm	0.0035 ppm	263.4950 ppm
Concentration per Run 1	-0.0003 ppm	95.5024 ppm	0.0501 ppm	0.0123 ppm	0.2892 ppm	0.0036 ppm	263.7282 ppm
Concentration per Run 2	0.0000 ppm	95.5993 ppm	0.0516 ppm	0.0120 ppm	0.2895 ppm	0.0035 ppm	261.7119 ppm
Concentration per Run 3	-0.0005 ppm	95.2728 ppm	0.0550 ppm	0.0117 ppm	0.2889 ppm	0.0035 ppm	265.0449 ppm
Concentration RSD	95.4 %	0.2 %	4.8 %	2.7 %	0.1 %	0.6 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0929 ppm	0.1112 ppm	0.2033 ppm	208.4869 ppm	6.4222 ppm	0.2265 ppm
Concentration per Run 1	0.0003 ppm	0.0926 ppm	0.1112 ppm	0.2034 ppm	207.1705 ppm	6.4050 ppm	0.2269 ppm
Concentration per Run 2	0.0002 ppm	0.0929 ppm	0.1113 ppm	0.2032 ppm	208.1077 ppm	6.4314 ppm	0.2262 ppm
Concentration per Run 3	-0.0001 ppm	0.0930 ppm	0.1112 ppm	0.2034 ppm	210.1824 ppm	6.4302 ppm	0.2264 ppm
Concentration RSD	120.2 %	0.2 %	0.1 %	0.1 %	0.7 %	0.2 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	52.6919 ppm	6.2057 ppm	0.0018 ppm	0.8315 ppm	0.1968 ppm	0.1069 ppm	0.0000 ppm
Concentration per Run 1	52.6532 ppm	6.2104 ppm	0.0018 ppm	0.8360 ppm	0.1969 ppm	0.1085 ppm	0.0008 ppm
Concentration per Run 2	52.7695 ppm	6.2100 ppm	0.0019 ppm	0.8234 ppm	0.1972 ppm	0.1058 ppm	-0.0008 ppm
Concentration per Run 3	52.6529 ppm	6.1966 ppm	0.0016 ppm	0.8349 ppm	0.1964 ppm	0.1064 ppm	0.0000 ppm
Concentration RSD	0.1 %	0.1 %	6.9 %	0.8 %	0.2 %	1.4 %	5,127.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0010 ppm	7.5574 ppm	0.0076 ppm	0.7222 ppm	0.2694 ppm	-0.0026 ppm	0.1152 ppm
Concentration per Run 1	-0.0015 ppm	7.5650 ppm	0.0079 ppm	0.7225 ppm	0.2696 ppm	-0.0028 ppm	0.1161 ppm
Concentration per Run 2	-0.0029 ppm	7.5434 ppm	0.0080 ppm	0.7231 ppm	0.2696 ppm	-0.0034 ppm	0.1150 ppm
Concentration per Run 3	0.0014 ppm	7.5640 ppm	0.0069 ppm	0.7210 ppm	0.2691 ppm	-0.0016 ppm	0.1147 ppm
Concentration RSD	226.9 %	0.2 %	8.2 %	0.1 %	0.1 %	36.4 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6530 ppm	124.4371 %	115.5144 %	112.0428 %	106.2022 %	87.9199 %	99.4389 %
Concentration per Run 1	0.6539 ppm	124.1876 %	115.4245 %	112.1148 %	106.1569 %	87.7603 %	99.2574 %
Concentration per Run 2	0.6504 ppm	125.0049 %	115.4696 %	111.9012 %	106.3754 %	88.1146 %	99.4531 %
Concentration per Run 3	0.6548 ppm	124.1189 %	115.6491 %	112.1124 %	106.0741 %	87.8849 %	99.6060 %
Concentration RSD	0.4 %	0.4 %	0.1 %	0.1 %	0.1 %	0.2 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
 Analysis started at: 9/24/2025 21:20:08
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4705 ppm	0.4855 ppm	0.4732 ppm	0.4806 ppm	0.4709 ppm	0.4787 ppm	0.5144 ppm
Concentration per Run 1	0.4697 ppm	0.4824 ppm	0.4754 ppm	0.4798 ppm	0.4717 ppm	0.4801 ppm	0.5247 ppm
Concentration per Run 2	0.4713 ppm	0.4829 ppm	0.4714 ppm	0.4801 ppm	0.4700 ppm	0.4776 ppm	0.5104 ppm
Concentration per Run 3	0.4706 ppm	0.4914 ppm	0.4729 ppm	0.4819 ppm	0.4710 ppm	0.4785 ppm	0.5080 ppm
Recovery Percentage 1	94.105 %	97.110 %	94.648 %	96.126 %	94.177 %	95.746 %	102.872 %
Concentration RSD	0.2 %	1.0 %	0.4 %	0.2 %	0.2 %	0.3 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4952 ppm	0.4896 ppm	0.4946 ppm	0.4887 ppm	0.5189 ppm	4.8702 ppm	0.4861 ppm
Concentration per Run 1	0.4951 ppm	0.4906 ppm	0.4945 ppm	0.4878 ppm	0.5278 ppm	4.8872 ppm	0.4844 ppm
Concentration per Run 2	0.4942 ppm	0.4887 ppm	0.4951 ppm	0.4903 ppm	0.5156 ppm	4.8404 ppm	0.4869 ppm
Concentration per Run 3	0.4965 ppm	0.4896 ppm	0.4941 ppm	0.4881 ppm	0.5134 ppm	4.8829 ppm	0.4870 ppm
Recovery Percentage 1	99.047 %	97.920 %	98.914 %	97.745 %	103.788 %	97.404 %	97.221 %
Concentration RSD	0.2 %	0.2 %	0.1 %	0.3 %	1.5 %	0.5 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4997 ppm	0.4801 ppm	0.4883 ppm	9.4599 ppm	0.4997 ppm	0.5080 ppm	0.5018 ppm
Concentration per Run 1	0.4999 ppm	0.4817 ppm	0.4878 ppm	9.4568 ppm	0.5006 ppm	0.5075 ppm	0.5015 ppm
Concentration per Run 2	0.5013 ppm	0.4793 ppm	0.4880 ppm	9.4651 ppm	0.4978 ppm	0.5070 ppm	0.5003 ppm
Concentration per Run 3	0.4979 ppm	0.4792 ppm	0.4891 ppm	9.4578 ppm	0.5008 ppm	0.5096 ppm	0.5036 ppm
Recovery Percentage 1	99.942 %	96.015 %	97.658 %	94.599 %	99.949 %	101.604 %	100.356 %
Concentration RSD	0.3 %	0.3 %	0.2 %	0.0 %	0.3 %	0.3 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4886 ppm	5.4807 ppm	0.4874 ppm	0.4744 ppm	0.4847 ppm	0.5091 ppm	0.4911 ppm
Concentration per Run 1	0.4890 ppm	5.4761 ppm	0.4883 ppm	0.4751 ppm	0.4844 ppm	0.5100 ppm	0.4907 ppm
Concentration per Run 2	0.4902 ppm	5.4733 ppm	0.4867 ppm	0.4735 ppm	0.4849 ppm	0.5084 ppm	0.4913 ppm
Concentration per Run 3	0.4867 ppm	5.4928 ppm	0.4871 ppm	0.4745 ppm	0.4848 ppm	0.5088 ppm	0.4913 ppm
Recovery Percentage 1	97.723 %	104.395 %	97.479 %	94.874 %	96.942 %	101.814 %	98.223 %
Concentration RSD	0.4 %	0.2 %	0.2 %	0.2 %	0.1 %	0.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5011 ppm	104.5920 %	103.2119 %	100.8862 %	105.4968 %	101.8763 %	105.1394 %
Concentration per Run 1	0.5009 ppm	104.2291 %	103.5163 %	101.0794 %	104.8850 %	101.8852 %	105.3070 %
Concentration per Run 2	0.5000 ppm	104.3630 %	103.3129 %	101.1329 %	105.4123 %	102.0225 %	105.2356 %
Concentration per Run 3	0.5022 ppm	105.1839 %	102.8065 %	100.4462 %	106.1932 %	101.7213 %	104.8757 %
Recovery Percentage 1	100.212 %						
Concentration RSD	0.2 %	0.5 %	0.4 %	0.4 %	0.6 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
 Analysis started at: 9/24/2025 21:24:24
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0010 ppm	-0.0013 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	-0.0025 ppm
Concentration per Run 1	0.0000 ppm	0.0033 ppm	-0.0009 ppm	0.0007 ppm	0.0002 ppm	0.0000 ppm	-0.0027 ppm
Concentration per Run 2	0.0002 ppm	-0.0027 ppm	-0.0014 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	-0.0041 ppm
Concentration per Run 3	0.0000 ppm	-0.0035 ppm	-0.0017 ppm	0.0009 ppm	-0.0001 ppm	0.0000 ppm	-0.0007 ppm
Recovery Percentage 1	1.285 %	-0.981 %	-26.762 %	2.274 %	0.657 %	0.057 %	-2.535 %
Concentration RSD	217.2 %	375.5 %	31.4 %	31.4 %	194.3 %	709.9 %	67.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0022 ppm	0.0097 ppm	-0.0007 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0007 ppm	-0.0002 ppm	0.0017 ppm	0.0322 ppm	-0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0004 ppm	0.0027 ppm	-0.0067 ppm	-0.0022 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0020 ppm	0.0037 ppm	0.0002 ppm
Recovery Percentage 1	-0.462 %	1.387 %	1.974 %	-3.203 %	4.323 %	0.390 %	-7.258 %
Concentration RSD	405.3 %	86.5 %	223.0 %	22.4 %	24.3 %	206.6 %	174.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0022 ppm	-0.0004 ppm	0.0002 ppm	0.0518 ppm	0.0001 ppm	0.0003 ppm	0.0008 ppm
Concentration per Run 1	0.0014 ppm	-0.0004 ppm	0.0003 ppm	0.0607 ppm	-0.0002 ppm	0.0004 ppm	0.0013 ppm
Concentration per Run 2	0.0034 ppm	-0.0001 ppm	0.0002 ppm	0.0458 ppm	0.0004 ppm	0.0007 ppm	0.0014 ppm
Concentration per Run 3	0.0018 ppm	-0.0006 ppm	0.0000 ppm	0.0488 ppm	0.0001 ppm	-0.0004 ppm	-0.0003 ppm
Recovery Percentage 1	2.158 %	-3.557 %	0.351 %	2.588 %	0.394 %	2.533 %	1.556 %
Concentration RSD	49.1 %	71.9 %	83.3 %	15.2 %	313.3 %	232.7 %	124.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	0.0095 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 1	-0.0001 ppm	0.0098 ppm	-0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run 2	-0.0002 ppm	0.0096 ppm	0.0005 ppm	0.0000 ppm	0.0004 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run 3	-0.0018 ppm	0.0092 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	-0.0008 ppm	-0.0003 ppm
Recovery Percentage 1	-6.977 %	1.910 %	0.313 %	0.445 %	2.235 %	1.957 %	-0.732 %
Concentration RSD	136.4 %	3.0 %	306.7 %	122.7 %	86.4 %	254.7 %	272.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	104.2715 %	103.9830 %	101.8950 %	103.2662 %	104.2477 %	104.2996 %
Concentration per Run 1	0.0001 ppm	103.0846 %	104.2496 %	101.6411 %	101.3923 %	104.2207 %	104.4593 %
Concentration per Run 2	0.0002 ppm	104.5563 %	103.7850 %	103.0148 %	103.8468 %	105.4812 %	104.0925 %
Concentration per Run 3	0.0000 ppm	105.1736 %	103.9143 %	101.0291 %	104.5594 %	103.0412 %	104.3469 %
Recovery Percentage 1	2.455 %						
Concentration RSD	78.5 %	1.0 %	0.2 %	1.0 %	1.6 %	1.2 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: LDR 300 Fe
Analysis started at: 9/24/2025 21:46:37
Comments: <Comment>
Rack: 1
Vial: 47

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0012 ppm	-0.0055 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	-0.0011 ppm
Concentration per Run 1	0.0002 ppm	0.0035 ppm	-0.0017 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	-0.0025 ppm
Concentration per Run 2	0.0002 ppm	0.0047 ppm	-0.0086 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	-0.0016 ppm
Concentration per Run 3	0.0001 ppm	-0.0045 ppm	-0.0063 ppm	0.0005 ppm	0.0004 ppm	0.0000 ppm	0.0009 ppm
Concentration RSD	22.7 %	406.6 %	63.5 %	54.7 %	55.2 %	176.7 %	164.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0015 ppm	-0.0046 ppm	277.2237 ppm	-0.0444 ppm	-0.0015 ppm
Concentration per Run 1	-0.0002 ppm	-0.0002 ppm	-0.0017 ppm	-0.0040 ppm	283.5150 ppm	-0.0138 ppm	-0.0015 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	-0.0018 ppm	-0.0048 ppm	276.2139 ppm	-0.0652 ppm	-0.0025 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	-0.0011 ppm	-0.0051 ppm	271.9422 ppm	-0.0540 ppm	-0.0006 ppm
Concentration RSD	989.2 %	624.4 %	23.6 %	11.9 %	2.1 %	60.9 %	61.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0030 ppm	-0.0004 ppm	-0.0022 ppm	0.0642 ppm	-0.0164 ppm	-0.0002 ppm	0.0007 ppm
Concentration per Run 1	-0.0062 ppm	-0.0004 ppm	-0.0022 ppm	0.0652 ppm	-0.0174 ppm	-0.0004 ppm	-0.0009 ppm
Concentration per Run 2	-0.0021 ppm	-0.0003 ppm	-0.0022 ppm	0.0660 ppm	-0.0160 ppm	-0.0002 ppm	0.0020 ppm
Concentration per Run 3	-0.0007 ppm	-0.0004 ppm	-0.0022 ppm	0.0615 ppm	-0.0159 ppm	0.0001 ppm	0.0009 ppm
Concentration RSD	95.8 %	8.4 %	1.7 %	3.7 %	5.0 %	168.1 %	217.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0070 ppm	0.0031 ppm	0.0015 ppm	0.0001 ppm	-0.0001 ppm	0.0044 ppm	-0.0016 ppm
Concentration per Run 1	0.0084 ppm	0.0028 ppm	0.0028 ppm	0.0001 ppm	0.0000 ppm	0.0053 ppm	-0.0015 ppm
Concentration per Run 2	0.0101 ppm	0.0035 ppm	0.0011 ppm	0.0001 ppm	-0.0002 ppm	0.0048 ppm	-0.0016 ppm
Concentration per Run 3	0.0025 ppm	0.0030 ppm	0.0005 ppm	0.0001 ppm	-0.0001 ppm	0.0032 ppm	-0.0018 ppm
Concentration RSD	56.4 %	12.0 %	80.3 %	20.1 %	87.7 %	24.9 %	8.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0030 ppm	103.2124 %	101.3408 %	99.5465 %	103.7030 %	97.9091 %	102.3895 %
Concentration per Run 1	-0.0032 ppm	103.3064 %	101.8431 %	99.6391 %	103.0878 %	97.9548 %	102.9096 %
Concentration per Run 2	-0.0028 ppm	102.3751 %	100.9555 %	99.4931 %	103.4862 %	97.9708 %	101.9781 %
Concentration per Run 3	-0.0031 ppm	103.9558 %	101.2237 %	99.5072 %	104.5350 %	97.8017 %	102.2807 %
Concentration RSD	6.8 %	0.8 %	0.4 %	0.1 %	0.7 %	0.1 %	0.5 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: LDR 600 Ca
Analysis started at: 9/24/2025 21:51:15
Comments: <Comment>
Rack: 1
Vial: 48

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0182 ppm	0.0012 ppm	0.0021 ppm	0.0012 ppm	-0.0001 ppm	594.7838 ppm
Concentration per Run 1	0.0000 ppm	0.0189 ppm	0.0006 ppm	0.0022 ppm	0.0011 ppm	-0.0001 ppm	602.4861 ppm
Concentration per Run 2	0.0004 ppm	0.0246 ppm	0.0006 ppm	0.0024 ppm	0.0011 ppm	-0.0001 ppm	593.6556 ppm
Concentration per Run 3	0.0004 ppm	0.0111 ppm	0.0023 ppm	0.0016 ppm	0.0012 ppm	-0.0001 ppm	588.2096 ppm
Concentration RSD	85.3 %	37.3 %	87.0 %	20.6 %	4.8 %	24.1 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0063 ppm	0.0005 ppm	0.0010 ppm	0.0010 ppm	0.0407 ppm	0.0338 ppm	-0.0046 ppm
Concentration per Run 1	0.0064 ppm	0.0007 ppm	0.0009 ppm	0.0007 ppm	0.0479 ppm	0.0142 ppm	-0.0045 ppm
Concentration per Run 2	0.0063 ppm	0.0003 ppm	0.0012 ppm	0.0014 ppm	0.0384 ppm	0.0657 ppm	-0.0046 ppm
Concentration per Run 3	0.0063 ppm	0.0005 ppm	0.0007 ppm	0.0010 ppm	0.0358 ppm	0.0214 ppm	-0.0048 ppm
Concentration RSD	0.4 %	41.9 %	24.0 %	35.8 %	15.7 %	82.5 %	3.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0155 ppm	0.0002 ppm	-0.0003 ppm	0.0920 ppm	-0.0003 ppm	0.0056 ppm	0.0000 ppm
Concentration per Run 1	0.0148 ppm	0.0003 ppm	-0.0003 ppm	0.0965 ppm	-0.0007 ppm	0.0055 ppm	0.0008 ppm
Concentration per Run 2	0.0168 ppm	0.0003 ppm	-0.0005 ppm	0.0947 ppm	0.0002 ppm	0.0055 ppm	-0.0003 ppm
Concentration per Run 3	0.0148 ppm	0.0001 ppm	-0.0001 ppm	0.0849 ppm	-0.0003 ppm	0.0057 ppm	-0.0006 ppm
Concentration RSD	7.5 %	45.4 %	68.9 %	6.8 %	178.5 %	2.0 %	2,169.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0027 ppm	0.0125 ppm	0.0000 ppm	0.0045 ppm	0.0014 ppm	0.0012 ppm	0.0003 ppm
Concentration per Run 1	-0.0015 ppm	0.0125 ppm	-0.0005 ppm	0.0045 ppm	0.0016 ppm	-0.0006 ppm	0.0003 ppm
Concentration per Run 2	-0.0035 ppm	0.0115 ppm	0.0003 ppm	0.0046 ppm	0.0011 ppm	0.0040 ppm	0.0003 ppm
Concentration per Run 3	-0.0031 ppm	0.0136 ppm	0.0003 ppm	0.0045 ppm	0.0014 ppm	0.0003 ppm	0.0004 ppm
Concentration RSD	39.4 %	8.6 %	15,462.8 %	1.1 %	17.3 %	196.0 %	15.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0012 ppm	101.1297 %	92.0579 %	92.3849 %	101.4737 %	85.1395 %	92.6463 %
Concentration per Run 1	0.0015 ppm	100.8154 %	88.3589 %	92.3688 %	100.8486 %	85.1546 %	89.0357 %
Concentration per Run 2	0.0012 ppm	100.8081 %	93.8575 %	92.4702 %	101.3043 %	85.2358 %	94.3306 %
Concentration per Run 3	0.0010 ppm	101.7656 %	93.9573 %	92.3158 %	102.2682 %	85.0281 %	94.5726 %
Concentration RSD	22.8 %	0.5 %	3.5 %	0.1 %	0.7 %	0.1 %	3.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2559181-01 WG2118573
 Analysis started at: 9/24/2025 22:09:12
 Comments: <Comment>
 Rack: 1
 Vial: 51

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0807 ppm	0.0000 ppm	0.0054 ppm	0.0302 ppm	0.0000 ppm	2.2992 ppm
Concentration per Run 1	0.0005 ppm	0.0867 ppm	-0.0001 ppm	0.0054 ppm	0.0303 ppm	0.0000 ppm	2.2911 ppm
Concentration per Run 2	0.0001 ppm	0.0816 ppm	0.0014 ppm	0.0051 ppm	0.0301 ppm	0.0000 ppm	2.2947 ppm
Concentration per Run 3	0.0002 ppm	0.0736 ppm	-0.0012 ppm	0.0057 ppm	0.0303 ppm	0.0000 ppm	2.3119 ppm
Concentration RSD	75.4 %	8.2 %	2,747.9 %	6.2 %	0.3 %	218.9 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0008 ppm	0.0011 ppm	0.0026 ppm	0.0014 ppm	0.5880 ppm	0.3382 ppm	0.0006 ppm
Concentration per Run 1	0.0008 ppm	0.0012 ppm	0.0024 ppm	0.0016 ppm	0.5859 ppm	0.3225 ppm	0.0006 ppm
Concentration per Run 2	0.0009 ppm	0.0010 ppm	0.0029 ppm	0.0013 ppm	0.5881 ppm	0.3473 ppm	0.0006 ppm
Concentration per Run 3	0.0009 ppm	0.0011 ppm	0.0026 ppm	0.0013 ppm	0.5899 ppm	0.3448 ppm	0.0006 ppm
Concentration RSD	3.3 %	6.9 %	9.5 %	14.6 %	0.3 %	4.0 %	2.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3012 ppm	0.1035 ppm	0.0001 ppm	132.7434 ppm	0.0047 ppm	24.7425 ppm	0.0612 ppm
Concentration per Run 1	0.3010 ppm	0.1030 ppm	0.0000 ppm	132.0571 ppm	0.0045 ppm	24.7806 ppm	0.0616 ppm
Concentration per Run 2	0.3031 ppm	0.1037 ppm	0.0001 ppm	132.5483 ppm	0.0043 ppm	24.6866 ppm	0.0616 ppm
Concentration per Run 3	0.2996 ppm	0.1039 ppm	0.0001 ppm	133.6248 ppm	0.0052 ppm	24.7603 ppm	0.0606 ppm
Concentration RSD	0.6 %	0.4 %	62.8 %	0.6 %	10.3 %	0.2 %	0.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0015 ppm	0.2656 ppm	0.0012 ppm	0.0125 ppm	0.0030 ppm	-0.0014 ppm	0.0005 ppm
Concentration per Run 1	-0.0012 ppm	0.2668 ppm	0.0017 ppm	0.0126 ppm	0.0027 ppm	-0.0006 ppm	0.0005 ppm
Concentration per Run 2	-0.0024 ppm	0.2657 ppm	0.0014 ppm	0.0125 ppm	0.0029 ppm	-0.0016 ppm	0.0004 ppm
Concentration per Run 3	-0.0009 ppm	0.2644 ppm	0.0006 ppm	0.0125 ppm	0.0035 ppm	-0.0019 ppm	0.0006 ppm
Concentration RSD	52.6 %	0.5 %	47.0 %	0.3 %	13.7 %	51.1 %	20.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1064 ppm	102.8615 %	98.9337 %	98.0039 %	104.6471 %	92.4724 %	100.2705 %
Concentration per Run 1	0.1067 ppm	102.6736 %	99.2360 %	97.8923 %	104.5441 %	92.4021 %	100.6343 %
Concentration per Run 2	0.1062 ppm	103.1033 %	98.7982 %	98.0276 %	104.7479 %	92.5725 %	100.1601 %
Concentration per Run 3	0.1064 ppm	102.8076 %	98.7669 %	98.0919 %	104.6495 %	92.4427 %	100.0172 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.1 %	0.1 %	0.1 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118573-3 WG2118573
 Analysis started at: 9/24/2025 22:13:38
 Comments: <Comment>
 Rack: 1
 Vial: 52

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0458 ppm	2.0270 ppm	0.1247 ppm	0.9964 ppm	1.9400 ppm	0.0484 ppm	12.0597 ppm
Concentration per Run 1	0.0453 ppm	2.0289 ppm	0.1258 ppm	0.9954 ppm	1.9388 ppm	0.0484 ppm	12.0264 ppm
Concentration per Run 2	0.0459 ppm	2.0231 ppm	0.1237 ppm	0.9960 ppm	1.9387 ppm	0.0485 ppm	12.0834 ppm
Concentration per Run 3	0.0462 ppm	2.0291 ppm	0.1246 ppm	0.9978 ppm	1.9426 ppm	0.0484 ppm	12.0692 ppm
Concentration RSD	1.0 %	0.2 %	0.8 %	0.1 %	0.1 %	0.1 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0558 ppm	0.5058 ppm	0.1944 ppm	0.2467 ppm	1.5123 ppm	10.1100 ppm	0.0002 ppm
Concentration per Run 1	0.0559 ppm	0.5057 ppm	0.1940 ppm	0.2465 ppm	1.5086 ppm	10.1263 ppm	0.0008 ppm
Concentration per Run 2	0.0558 ppm	0.5055 ppm	0.1943 ppm	0.2469 ppm	1.5143 ppm	10.1066 ppm	0.0007 ppm
Concentration per Run 3	0.0558 ppm	0.5062 ppm	0.1951 ppm	0.2466 ppm	1.5139 ppm	10.0971 ppm	-0.0008 ppm
Concentration RSD	0.2 %	0.1 %	0.3 %	0.1 %	0.2 %	0.1 %	360.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.3734 ppm	0.5708 ppm	1.0318 ppm	141.7320 ppm	0.5149 ppm	25.2060 ppm	0.5764 ppm
Concentration per Run 1	9.3674 ppm	0.5687 ppm	1.0317 ppm	140.7820 ppm	0.5147 ppm	25.2208 ppm	0.5765 ppm
Concentration per Run 2	9.3823 ppm	0.5720 ppm	1.0306 ppm	143.6863 ppm	0.5160 ppm	25.1761 ppm	0.5770 ppm
Concentration per Run 3	9.3706 ppm	0.5718 ppm	1.0331 ppm	140.7277 ppm	0.5141 ppm	25.2210 ppm	0.5759 ppm
Concentration RSD	0.1 %	0.3 %	0.1 %	1.2 %	0.2 %	0.1 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1151 ppm	1.4719 ppm	0.9859 ppm	0.9370 ppm	0.9613 ppm	0.1162 ppm	0.4935 ppm
Concentration per Run 1	0.1145 ppm	1.4713 ppm	0.9870 ppm	0.9360 ppm	0.9605 ppm	0.1148 ppm	0.4931 ppm
Concentration per Run 2	0.1122 ppm	1.4743 ppm	0.9843 ppm	0.9366 ppm	0.9626 ppm	0.1176 ppm	0.4937 ppm
Concentration per Run 3	0.1185 ppm	1.4702 ppm	0.9863 ppm	0.9385 ppm	0.9609 ppm	0.1161 ppm	0.4937 ppm
Concentration RSD	2.7 %	0.1 %	0.1 %	0.1 %	0.1 %	1.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6235 ppm	103.1577 %	98.2436 %	97.5515 %	104.1828 %	91.6675 %	99.2694 %
Concentration per Run 1	0.6242 ppm	103.6416 %	98.2847 %	97.5710 %	104.6521 %	91.5954 %	99.3085 %
Concentration per Run 2	0.6211 ppm	102.0365 %	98.2032 %	97.4538 %	103.2205 %	91.7704 %	99.2467 %
Concentration per Run 3	0.6251 ppm	103.7948 %	98.2429 %	97.6297 %	104.6758 %	91.6367 %	99.2529 %
Concentration RSD	0.3 %	0.9 %	0.0 %	0.1 %	0.8 %	0.1 %	0.0 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118573-4 WG2118573
 Analysis started at: 9/24/2025 22:17:59
 Comments: <Comment>
 Rack: 1
 Vial: 53

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0834 ppm	0.0006 ppm	0.0064 ppm	0.0300 ppm	0.0000 ppm	2.2528 ppm
Concentration per Run 1	0.0000 ppm	0.0826 ppm	-0.0003 ppm	0.0070 ppm	0.0298 ppm	0.0000 ppm	2.2503 ppm
Concentration per Run 2	0.0002 ppm	0.0846 ppm	0.0008 ppm	0.0062 ppm	0.0304 ppm	0.0000 ppm	2.2626 ppm
Concentration per Run 3	0.0000 ppm	0.0829 ppm	0.0013 ppm	0.0060 ppm	0.0297 ppm	0.0000 ppm	2.2454 ppm
Concentration RSD	147.6 %	1.3 %	131.8 %	7.8 %	1.2 %	55.9 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0009 ppm	0.0014 ppm	0.0003 ppm	0.0015 ppm	0.5657 ppm	0.3227 ppm	0.0004 ppm
Concentration per Run 1	0.0008 ppm	0.0012 ppm	0.0003 ppm	0.0016 ppm	0.5652 ppm	0.3222 ppm	-0.0002 ppm
Concentration per Run 2	0.0009 ppm	0.0014 ppm	0.0006 ppm	0.0015 ppm	0.5689 ppm	0.3222 ppm	0.0019 ppm
Concentration per Run 3	0.0009 ppm	0.0015 ppm	0.0000 ppm	0.0015 ppm	0.5629 ppm	0.3238 ppm	-0.0004 ppm
Concentration RSD	3.5 %	10.3 %	104.5 %	4.4 %	0.5 %	0.3 %	298.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3010 ppm	0.1013 ppm	0.0008 ppm	129.8388 ppm	0.0048 ppm	24.7488 ppm	0.0600 ppm
Concentration per Run 1	0.3001 ppm	0.1015 ppm	0.0009 ppm	129.6975 ppm	0.0049 ppm	24.4352 ppm	0.0595 ppm
Concentration per Run 2	0.3046 ppm	0.1014 ppm	0.0008 ppm	131.0867 ppm	0.0042 ppm	25.2045 ppm	0.0602 ppm
Concentration per Run 3	0.2983 ppm	0.1009 ppm	0.0006 ppm	128.7322 ppm	0.0054 ppm	24.6067 ppm	0.0602 ppm
Concentration RSD	1.1 %	0.3 %	24.3 %	0.9 %	12.2 %	1.6 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	0.2709 ppm	0.0008 ppm	0.0125 ppm	0.0031 ppm	-0.0018 ppm	0.0002 ppm
Concentration per Run 1	-0.0013 ppm	0.2662 ppm	0.0008 ppm	0.0126 ppm	0.0031 ppm	-0.0015 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	0.2764 ppm	0.0011 ppm	0.0125 ppm	0.0031 ppm	-0.0036 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	0.2701 ppm	0.0004 ppm	0.0124 ppm	0.0031 ppm	-0.0005 ppm	0.0001 ppm
Concentration RSD	145.7 %	1.9 %	50.0 %	0.7 %	1.1 %	85.2 %	65.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1067 ppm	103.5897 %	98.4919 %	97.2904 %	105.5258 %	92.0324 %	99.7706 %
Concentration per Run 1	0.1056 ppm	103.4963 %	98.9107 %	98.3507 %	105.6964 %	93.1142 %	100.0013 %
Concentration per Run 2	0.1087 ppm	103.4650 %	96.8803 %	95.5404 %	105.1731 %	90.4799 %	98.3722 %
Concentration per Run 3	0.1059 ppm	103.8078 %	99.6846 %	97.9800 %	105.7080 %	92.5030 %	100.9382 %
Concentration RSD	1.6 %	0.2 %	1.5 %	1.6 %	0.3 %	1.5 %	1.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558903-12 WG2118573
 Analysis started at: 9/24/2025 22:22:31
 Comments: <Comment>
 Rack: 1
 Vial: 54

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0327 ppm	0.0016 ppm	0.0222 ppm	0.0685 ppm	0.0000 ppm	23.0524 ppm
Concentration per Run 1	0.0000 ppm	0.0318 ppm	0.0018 ppm	0.0222 ppm	0.0684 ppm	0.0000 ppm	23.0607 ppm
Concentration per Run 2	0.0005 ppm	0.0333 ppm	0.0030 ppm	0.0221 ppm	0.0685 ppm	0.0000 ppm	23.0507 ppm
Concentration per Run 3	-0.0002 ppm	0.0331 ppm	-0.0001 ppm	0.0222 ppm	0.0687 ppm	0.0000 ppm	23.0457 ppm
Concentration RSD	435.9 %	2.4 %	99.7 %	0.2 %	0.3 %	4,773.2 %	0.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0040 ppm	0.0021 ppm	0.0005 ppm	0.0863 ppm	0.0803 ppm	0.3945 ppm	-0.0004 ppm
Concentration per Run 1	0.0040 ppm	0.0022 ppm	0.0005 ppm	0.0862 ppm	0.0801 ppm	0.4084 ppm	0.0000 ppm
Concentration per Run 2	0.0040 ppm	0.0023 ppm	0.0005 ppm	0.0867 ppm	0.0808 ppm	0.3978 ppm	-0.0004 ppm
Concentration per Run 3	0.0039 ppm	0.0019 ppm	0.0005 ppm	0.0862 ppm	0.0801 ppm	0.3772 ppm	-0.0007 ppm
Concentration RSD	2.0 %	8.8 %	2.5 %	0.3 %	0.6 %	4.0 %	104.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.6457 ppm	0.2467 ppm	0.0003 ppm	130.9707 ppm	0.0096 ppm	0.2034 ppm	0.0010 ppm
Concentration per Run 1	6.6497 ppm	0.2466 ppm	0.0002 ppm	131.0768 ppm	0.0090 ppm	0.2047 ppm	0.0007 ppm
Concentration per Run 2	6.6471 ppm	0.2467 ppm	0.0003 ppm	130.5828 ppm	0.0099 ppm	0.2021 ppm	0.0012 ppm
Concentration per Run 3	6.6402 ppm	0.2469 ppm	0.0003 ppm	131.2525 ppm	0.0099 ppm	0.2033 ppm	0.0011 ppm
Concentration RSD	0.1 %	0.1 %	18.0 %	0.3 %	5.4 %	0.6 %	24.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0010 ppm	0.3439 ppm	0.0016 ppm	0.0586 ppm	0.0006 ppm	-0.0018 ppm	0.0002 ppm
Concentration per Run 1	0.0009 ppm	0.3437 ppm	0.0014 ppm	0.0585 ppm	0.0004 ppm	-0.0022 ppm	0.0001 ppm
Concentration per Run 2	-0.0056 ppm	0.3432 ppm	0.0022 ppm	0.0587 ppm	0.0006 ppm	-0.0027 ppm	0.0003 ppm
Concentration per Run 3	0.0016 ppm	0.3447 ppm	0.0011 ppm	0.0586 ppm	0.0008 ppm	-0.0006 ppm	0.0003 ppm
Concentration RSD	396.4 %	0.2 %	34.8 %	0.1 %	35.3 %	58.5 %	58.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3504 ppm	103.2054 %	98.5142 %	97.5788 %	104.8240 %	91.8897 %	100.1017 %
Concentration per Run 1	0.3512 ppm	102.8348 %	98.4530 %	97.5086 %	104.3332 %	91.7321 %	100.0482 %
Concentration per Run 2	0.3502 ppm	103.9996 %	98.6503 %	97.7659 %	105.5506 %	91.9606 %	100.2860 %
Concentration per Run 3	0.3500 ppm	102.7818 %	98.4393 %	97.4618 %	104.5884 %	91.9765 %	99.9708 %
Concentration RSD	0.2 %	0.7 %	0.1 %	0.2 %	0.6 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2559181-04 WG2118573
 Analysis started at: 9/24/2025 22:27:05
 Comments: <Comment>
 Rack: 1
 Vial: 55

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0964 ppm	0.0021 ppm	0.0053 ppm	0.0246 ppm	0.0000 ppm	2.2278 ppm
Concentration per Run 1	0.0005 ppm	0.1012 ppm	0.0036 ppm	0.0056 ppm	0.0249 ppm	0.0001 ppm	2.2501 ppm
Concentration per Run 2	0.0003 ppm	0.0958 ppm	0.0012 ppm	0.0050 ppm	0.0244 ppm	0.0000 ppm	2.2218 ppm
Concentration per Run 3	-0.0002 ppm	0.0923 ppm	0.0015 ppm	0.0055 ppm	0.0245 ppm	0.0000 ppm	2.2115 ppm
Concentration RSD	171.6 %	4.7 %	61.6 %	6.1 %	1.2 %	120.7 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0008 ppm	0.0006 ppm	0.0005 ppm	0.0058 ppm	0.1184 ppm	0.2812 ppm	0.0005 ppm
Concentration per Run 1	0.0008 ppm	0.0006 ppm	0.0005 ppm	0.0059 ppm	0.1178 ppm	0.3135 ppm	-0.0001 ppm
Concentration per Run 2	0.0007 ppm	0.0006 ppm	0.0005 ppm	0.0055 ppm	0.1189 ppm	0.2556 ppm	0.0010 ppm
Concentration per Run 3	0.0008 ppm	0.0005 ppm	0.0001 ppm	0.0059 ppm	0.1184 ppm	0.2747 ppm	0.0007 ppm
Concentration RSD	3.9 %	6.7 %	85.4 %	3.6 %	0.5 %	10.5 %	102.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.2942 ppm	0.0842 ppm	0.0001 ppm	129.6596 ppm	0.0028 ppm	0.4152 ppm	0.0031 ppm
Concentration per Run 1	0.2948 ppm	0.0845 ppm	0.0002 ppm	132.3966 ppm	0.0029 ppm	0.4169 ppm	0.0031 ppm
Concentration per Run 2	0.2911 ppm	0.0841 ppm	0.0002 ppm	128.2627 ppm	0.0029 ppm	0.4141 ppm	0.0036 ppm
Concentration per Run 3	0.2966 ppm	0.0841 ppm	-0.0001 ppm	128.3197 ppm	0.0026 ppm	0.4145 ppm	0.0026 ppm
Concentration RSD	1.0 %	0.3 %	211.9 %	1.8 %	5.1 %	0.4 %	15.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0022 ppm	0.2342 ppm	0.0008 ppm	0.0111 ppm	0.0015 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run 1	-0.0030 ppm	0.2361 ppm	0.0003 ppm	0.0112 ppm	0.0018 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 2	-0.0041 ppm	0.2322 ppm	0.0011 ppm	0.0111 ppm	0.0016 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 3	0.0004 ppm	0.2343 ppm	0.0009 ppm	0.0111 ppm	0.0011 ppm	-0.0012 ppm	0.0001 ppm
Concentration RSD	106.9 %	0.8 %	50.9 %	0.7 %	21.8 %	162.0 %	61.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0954 ppm	102.2970 %	99.0457 %	97.8933 %	104.7228 %	92.8669 %	101.1582 %
Concentration per Run 1	0.0954 ppm	100.9945 %	98.8791 %	97.7123 %	103.7332 %	92.6962 %	101.0025 %
Concentration per Run 2	0.0953 ppm	102.7112 %	99.1132 %	97.8709 %	105.0991 %	93.0438 %	101.3078 %
Concentration per Run 3	0.0953 ppm	103.1853 %	99.1448 %	98.0967 %	105.3360 %	92.8607 %	101.1645 %
Concentration RSD	0.1 %	1.1 %	0.1 %	0.2 %	0.8 %	0.2 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2559181-07 WG2118573
 Analysis started at: 9/24/2025 22:31:39
 Comments: <Comment>
 Rack: 1
 Vial: 56

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0390 ppm	0.0029 ppm	0.0058 ppm	0.1392 ppm	0.0001 ppm	5.4806 ppm
Concentration per Run 1	0.0000 ppm	0.0453 ppm	0.0022 ppm	0.0062 ppm	0.1390 ppm	0.0000 ppm	5.4799 ppm
Concentration per Run 2	-0.0002 ppm	0.0324 ppm	0.0046 ppm	0.0058 ppm	0.1394 ppm	0.0001 ppm	5.4639 ppm
Concentration per Run 3	0.0002 ppm	0.0392 ppm	0.0020 ppm	0.0054 ppm	0.1393 ppm	0.0001 ppm	5.4981 ppm
Concentration RSD	507.2 %	16.5 %	48.7 %	6.7 %	0.2 %	43.8 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0050 ppm	0.0065 ppm	0.0006 ppm	0.0197 ppm	0.0061 ppm	0.2117 ppm	0.0010 ppm
Concentration per Run 1	0.0050 ppm	0.0064 ppm	0.0006 ppm	0.0200 ppm	0.0061 ppm	0.2229 ppm	0.0000 ppm
Concentration per Run 2	0.0050 ppm	0.0065 ppm	0.0011 ppm	0.0197 ppm	0.0050 ppm	0.1974 ppm	0.0018 ppm
Concentration per Run 3	0.0050 ppm	0.0066 ppm	0.0001 ppm	0.0194 ppm	0.0073 ppm	0.2149 ppm	0.0013 ppm
Concentration RSD	0.7 %	1.7 %	75.5 %	1.5 %	19.1 %	6.1 %	85.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4241 ppm	0.1923 ppm	0.0001 ppm	128.5848 ppm	0.0173 ppm	10.2587 ppm	0.0105 ppm
Concentration per Run 1	0.4255 ppm	0.1934 ppm	0.0003 ppm	128.6542 ppm	0.0172 ppm	10.2487 ppm	0.0102 ppm
Concentration per Run 2	0.4241 ppm	0.1910 ppm	0.0001 ppm	128.8715 ppm	0.0174 ppm	10.2600 ppm	0.0110 ppm
Concentration per Run 3	0.4226 ppm	0.1924 ppm	-0.0001 ppm	128.2286 ppm	0.0173 ppm	10.2674 ppm	0.0101 ppm
Concentration RSD	0.3 %	0.6 %	166.4 %	0.3 %	0.7 %	0.1 %	4.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0019 ppm	0.3819 ppm	0.0009 ppm	0.0474 ppm	0.0001 ppm	-0.0019 ppm	0.0002 ppm
Concentration per Run 1	-0.0013 ppm	0.3803 ppm	0.0012 ppm	0.0474 ppm	0.0000 ppm	-0.0019 ppm	0.0001 ppm
Concentration per Run 2	-0.0019 ppm	0.3815 ppm	0.0010 ppm	0.0472 ppm	0.0003 ppm	-0.0018 ppm	0.0005 ppm
Concentration per Run 3	-0.0025 ppm	0.3840 ppm	0.0006 ppm	0.0475 ppm	0.0000 ppm	-0.0021 ppm	0.0000 ppm
Concentration RSD	29.4 %	0.5 %	35.3 %	0.3 %	230.3 %	7.9 %	150.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5702 ppm	102.6988 %	98.8172 %	98.0237 %	105.3618 %	92.9034 %	101.0470 %
Concentration per Run 1	0.5693 ppm	102.1562 %	98.9761 %	97.8582 %	104.9740 %	92.9156 %	101.2505 %
Concentration per Run 2	0.5707 ppm	102.8807 %	98.6325 %	97.9596 %	105.3840 %	92.9530 %	100.8900 %
Concentration per Run 3	0.5706 ppm	103.0593 %	98.8429 %	98.2534 %	105.7274 %	92.8416 %	101.0004 %
Concentration RSD	0.1 %	0.5 %	0.2 %	0.2 %	0.4 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2559181-10 WG2118573
 Analysis started at: 9/24/2025 22:36:09
 Comments: <Comment>
 Rack: 1
 Vial: 57

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.1481 ppm	0.0014 ppm	0.0081 ppm	0.0267 ppm	0.0000 ppm	1.2297 ppm
Concentration per Run 1	0.0001 ppm	0.1361 ppm	0.0034 ppm	0.0082 ppm	0.0267 ppm	0.0000 ppm	1.2302 ppm
Concentration per Run 2	0.0004 ppm	0.1509 ppm	0.0015 ppm	0.0077 ppm	0.0266 ppm	0.0000 ppm	1.2249 ppm
Concentration per Run 3	0.0003 ppm	0.1574 ppm	-0.0008 ppm	0.0083 ppm	0.0267 ppm	0.0000 ppm	1.2339 ppm
Concentration RSD	49.7 %	7.4 %	155.2 %	3.9 %	0.2 %	190.5 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0004 ppm	0.0001 ppm	0.0017 ppm	0.0049 ppm	0.2002 ppm	0.2043 ppm	0.0000 ppm
Concentration per Run 1	0.0004 ppm	-0.0001 ppm	0.0022 ppm	0.0048 ppm	0.2010 ppm	0.2004 ppm	0.0012 ppm
Concentration per Run 2	0.0004 ppm	0.0000 ppm	0.0017 ppm	0.0051 ppm	0.1999 ppm	0.2022 ppm	-0.0013 ppm
Concentration per Run 3	0.0005 ppm	0.0003 ppm	0.0012 ppm	0.0048 ppm	0.1998 ppm	0.2103 ppm	0.0000 ppm
Concentration RSD	5.8 %	245.2 %	29.4 %	3.8 %	0.3 %	2.6 %	2,616.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1833 ppm	0.0305 ppm	0.0002 ppm	128.7356 ppm	0.0009 ppm	0.0211 ppm	0.0023 ppm
Concentration per Run 1	0.1858 ppm	0.0305 ppm	0.0001 ppm	129.7766 ppm	0.0006 ppm	0.0219 ppm	0.0019 ppm
Concentration per Run 2	0.1808 ppm	0.0307 ppm	0.0004 ppm	128.1785 ppm	0.0013 ppm	0.0215 ppm	0.0020 ppm
Concentration per Run 3	0.1833 ppm	0.0304 ppm	0.0001 ppm	128.2518 ppm	0.0008 ppm	0.0199 ppm	0.0029 ppm
Concentration RSD	1.4 %	0.4 %	78.8 %	0.7 %	42.4 %	5.1 %	23.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	0.2941 ppm	0.0012 ppm	0.0058 ppm	0.0040 ppm	-0.0014 ppm	0.0005 ppm
Concentration per Run 1	0.0002 ppm	0.2933 ppm	0.0005 ppm	0.0057 ppm	0.0042 ppm	-0.0020 ppm	0.0005 ppm
Concentration per Run 2	0.0008 ppm	0.2952 ppm	0.0017 ppm	0.0059 ppm	0.0039 ppm	-0.0011 ppm	0.0005 ppm
Concentration per Run 3	0.0007 ppm	0.2939 ppm	0.0015 ppm	0.0058 ppm	0.0040 ppm	-0.0013 ppm	0.0005 ppm
Concentration RSD	59.6 %	0.3 %	50.4 %	2.3 %	3.8 %	32.2 %	3.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0637 ppm	102.5714 %	99.2303 %	97.7169 %	105.8841 %	93.1609 %	101.9140 %
Concentration per Run 1	0.0636 ppm	102.0652 %	99.1429 %	97.7570 %	105.5641 %	93.2180 %	101.7674 %
Concentration per Run 2	0.0637 ppm	102.8260 %	99.5021 %	97.4668 %	105.8291 %	93.0769 %	102.1923 %
Concentration per Run 3	0.0639 ppm	102.8229 %	99.0459 %	97.9269 %	106.2591 %	93.1877 %	101.7823 %
Concentration RSD	0.2 %	0.4 %	0.2 %	0.2 %	0.3 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2559181-13 WG2118573
 Analysis started at: 9/24/2025 22:40:44
 Comments: <Comment>
 Rack: 1
 Vial: 58

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.1014 ppm	0.0003 ppm	0.0087 ppm	0.0106 ppm	0.0000 ppm	0.6891 ppm
Concentration per Run 1	0.0000 ppm	0.1112 ppm	-0.0008 ppm	0.0088 ppm	0.0107 ppm	0.0000 ppm	0.6933 ppm
Concentration per Run 2	0.0004 ppm	0.0889 ppm	0.0016 ppm	0.0087 ppm	0.0105 ppm	0.0000 ppm	0.6944 ppm
Concentration per Run 3	0.0000 ppm	0.1042 ppm	-0.0001 ppm	0.0086 ppm	0.0106 ppm	0.0000 ppm	0.6795 ppm
Concentration RSD	175.2 %	11.2 %	476.8 %	1.4 %	0.7 %	122.0 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0000 ppm	0.0113 ppm	0.0020 ppm	0.1911 ppm	0.4168 ppm	-0.0011 ppm
Concentration per Run 1	0.0002 ppm	-0.0002 ppm	0.0113 ppm	0.0020 ppm	0.1930 ppm	0.4260 ppm	-0.0025 ppm
Concentration per Run 2	0.0002 ppm	0.0001 ppm	0.0112 ppm	0.0021 ppm	0.1896 ppm	0.4086 ppm	-0.0003 ppm
Concentration per Run 3	0.0002 ppm	0.0000 ppm	0.0113 ppm	0.0020 ppm	0.1907 ppm	0.4157 ppm	-0.0005 ppm
Concentration RSD	11.5 %	310.0 %	0.4 %	2.9 %	0.9 %	2.1 %	111.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1485 ppm	0.0155 ppm	0.0002 ppm	129.8088 ppm	0.0014 ppm	0.0088 ppm	0.0009 ppm
Concentration per Run 1	0.1466 ppm	0.0159 ppm	0.0000 ppm	130.2534 ppm	0.0009 ppm	0.0084 ppm	0.0008 ppm
Concentration per Run 2	0.1505 ppm	0.0151 ppm	0.0004 ppm	127.9553 ppm	0.0014 ppm	0.0088 ppm	0.0012 ppm
Concentration per Run 3	0.1484 ppm	0.0154 ppm	0.0003 ppm	131.2176 ppm	0.0019 ppm	0.0093 ppm	0.0006 ppm
Concentration RSD	1.3 %	2.7 %	80.4 %	1.3 %	34.7 %	5.5 %	36.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0008 ppm	0.2212 ppm	0.0008 ppm	0.0027 ppm	0.0029 ppm	-0.0014 ppm	0.0005 ppm
Concentration per Run 1	-0.0011 ppm	0.2215 ppm	0.0005 ppm	0.0027 ppm	0.0031 ppm	-0.0002 ppm	0.0007 ppm
Concentration per Run 2	-0.0023 ppm	0.2210 ppm	0.0005 ppm	0.0028 ppm	0.0028 ppm	-0.0029 ppm	0.0004 ppm
Concentration per Run 3	0.0009 ppm	0.2211 ppm	0.0015 ppm	0.0027 ppm	0.0029 ppm	-0.0011 ppm	0.0004 ppm
Concentration RSD	189.1 %	0.1 %	70.8 %	1.3 %	4.7 %	96.5 %	33.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0300 ppm	102.7811 %	98.7816 %	97.5846 %	105.4919 %	92.9691 %	101.3267 %
Concentration per Run 1	0.0299 ppm	102.2181 %	99.0049 %	97.4003 %	104.7954 %	92.8460 %	101.4186 %
Concentration per Run 2	0.0300 ppm	103.1436 %	98.2220 %	97.7032 %	105.9412 %	93.0230 %	100.7937 %
Concentration per Run 3	0.0301 ppm	102.9816 %	99.1179 %	97.6505 %	105.7393 %	93.0382 %	101.7679 %
Concentration RSD	0.3 %	0.5 %	0.5 %	0.2 %	0.6 %	0.1 %	0.5 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
 Analysis started at: 9/24/2025 22:45:23
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4719 ppm	0.4611 ppm	0.4763 ppm	0.4813 ppm	0.4686 ppm	0.4787 ppm	0.4796 ppm
Concentration per Run 1	0.4703 ppm	0.4602 ppm	0.4767 ppm	0.4819 ppm	0.4709 ppm	0.4814 ppm	0.4801 ppm
Concentration per Run 2	0.4736 ppm	0.4632 ppm	0.4759 ppm	0.4801 ppm	0.4673 ppm	0.4767 ppm	0.4761 ppm
Concentration per Run 3	0.4716 ppm	0.4599 ppm	0.4764 ppm	0.4819 ppm	0.4677 ppm	0.4781 ppm	0.4827 ppm
Recovery Percentage 1	94.370 %	92.224 %	95.264 %	96.259 %	93.724 %	95.749 %	95.922 %
Concentration RSD	0.4 %	0.4 %	0.1 %	0.2 %	0.4 %	0.5 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4956 ppm	0.4930 ppm	0.4952 ppm	0.4877 ppm	0.4785 ppm	4.9069 ppm	0.4845 ppm
Concentration per Run 1	0.4968 ppm	0.4948 ppm	0.4960 ppm	0.4861 ppm	0.4817 ppm	4.9281 ppm	0.4872 ppm
Concentration per Run 2	0.4948 ppm	0.4920 ppm	0.4964 ppm	0.4901 ppm	0.4752 ppm	4.8774 ppm	0.4824 ppm
Concentration per Run 3	0.4953 ppm	0.4922 ppm	0.4933 ppm	0.4870 ppm	0.4786 ppm	4.9152 ppm	0.4840 ppm
Recovery Percentage 1	99.121 %	98.602 %	99.047 %	97.549 %	95.701 %	98.138 %	96.904 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.4 %	0.7 %	0.5 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4992 ppm	0.4790 ppm	0.4863 ppm	9.4463 ppm	0.5034 ppm	0.5079 ppm	0.4986 ppm
Concentration per Run 1	0.4975 ppm	0.4826 ppm	0.4872 ppm	9.4775 ppm	0.5054 ppm	0.5084 ppm	0.4991 ppm
Concentration per Run 2	0.5006 ppm	0.4758 ppm	0.4852 ppm	9.4326 ppm	0.5015 ppm	0.5086 ppm	0.4976 ppm
Concentration per Run 3	0.4995 ppm	0.4785 ppm	0.4865 ppm	9.4288 ppm	0.5032 ppm	0.5068 ppm	0.4991 ppm
Recovery Percentage 1	99.839 %	95.797 %	97.263 %	94.463 %	100.672 %	101.585 %	99.718 %
Concentration RSD	0.3 %	0.7 %	0.2 %	0.3 %	0.4 %	0.2 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4907 ppm	5.4507 ppm	0.4880 ppm	0.4743 ppm	0.4874 ppm	0.5095 ppm	0.4945 ppm
Concentration per Run 1	0.4915 ppm	5.4626 ppm	0.4883 ppm	0.4765 ppm	0.4876 ppm	0.5096 ppm	0.4940 ppm
Concentration per Run 2	0.4897 ppm	5.4401 ppm	0.4881 ppm	0.4728 ppm	0.4888 ppm	0.5087 ppm	0.4954 ppm
Concentration per Run 3	0.4910 ppm	5.4495 ppm	0.4877 ppm	0.4736 ppm	0.4858 ppm	0.5101 ppm	0.4942 ppm
Recovery Percentage 1	98.147 %	103.823 %	97.605 %	94.863 %	97.475 %	101.892 %	98.904 %
Concentration RSD	0.2 %	0.2 %	0.1 %	0.4 %	0.3 %	0.1 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5026 ppm	104.9520 %	103.5330 %	101.8107 %	107.2462 %	102.4210 %	106.0590 %
Concentration per Run 1	0.5030 ppm	104.1291 %	103.2813 %	102.1376 %	106.0585 %	102.4005 %	105.8739 %
Concentration per Run 2	0.5021 ppm	105.7229 %	103.4459 %	101.7160 %	108.3085 %	102.5329 %	106.0027 %
Concentration per Run 3	0.5027 ppm	105.0041 %	103.8717 %	101.5784 %	107.3714 %	102.3297 %	106.3006 %
Recovery Percentage 1	100.526 %						
Concentration RSD	0.1 %	0.8 %	0.3 %	0.3 %	1.1 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
 Analysis started at: 9/24/2025 22:49:39
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0024 ppm	0.0005 ppm	0.0004 ppm	-0.0001 ppm	0.0001 ppm	-0.0016 ppm
Concentration per Run 1	0.0004 ppm	-0.0042 ppm	0.0002 ppm	0.0003 ppm	-0.0001 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run 2	0.0001 ppm	-0.0032 ppm	-0.0003 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0043 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0015 ppm	0.0004 ppm	-0.0001 ppm	0.0001 ppm	-0.0004 ppm
Recovery Percentage 1	3.615 %	-2.355 %	9.162 %	1.422 %	-0.548 %	1.713 %	-1.622 %
Concentration RSD	103.5 %	98.8 %	202.6 %	46.9 %	133.1 %	50.9 %	142.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0002 ppm	0.0001 ppm	0.0219 ppm	-0.0005 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	-0.0001 ppm	-0.0067 ppm	-0.0008 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0013 ppm	0.0530 ppm	0.0007 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0003 ppm	-0.0009 ppm	0.0195 ppm	-0.0016 ppm
Recovery Percentage 1	-1.926 %	0.720 %	-2.165 %	-2.007 %	0.203 %	0.877 %	-5.400 %
Concentration RSD	77.6 %	157.7 %	38.3 %	72.2 %	1,123.0 %	136.4 %	214.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0018 ppm	-0.0004 ppm	0.0003 ppm	0.0638 ppm	0.0000 ppm	-0.0005 ppm	0.0007 ppm
Concentration per Run 1	0.0008 ppm	-0.0003 ppm	0.0004 ppm	0.0695 ppm	0.0000 ppm	-0.0001 ppm	0.0007 ppm
Concentration per Run 2	0.0019 ppm	-0.0003 ppm	0.0001 ppm	0.0620 ppm	0.0001 ppm	0.0001 ppm	0.0013 ppm
Concentration per Run 3	0.0027 ppm	-0.0007 ppm	0.0004 ppm	0.0599 ppm	-0.0001 ppm	-0.0014 ppm	0.0001 ppm
Recovery Percentage 1	1.792 %	-4.157 %	0.596 %	3.190 %	-0.079 %	-4.795 %	1.344 %
Concentration RSD	55.1 %	56.1 %	49.9 %	7.9 %	451.1 %	174.4 %	89.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0004 ppm	0.0015 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	-0.0006 ppm	0.0019 ppm	0.0004 ppm	0.0001 ppm	0.0002 ppm	-0.0011 ppm	0.0003 ppm
Concentration per Run 2	0.0010 ppm	0.0015 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0019 ppm	-0.0002 ppm
Concentration per Run 3	-0.0016 ppm	0.0009 ppm	0.0005 ppm	0.0000 ppm	0.0002 ppm	-0.0004 ppm	0.0000 ppm
Recovery Percentage 1	-3.813 %	0.290 %	0.419 %	1.012 %	1.585 %	0.721 %	0.055 %
Concentration RSD	340.4 %	34.3 %	210.1 %	50.0 %	35.6 %	1,056.4 %	4,528.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	103.0314 %	103.9145 %	101.6263 %	104.1141 %	103.7580 %	105.4783 %
Concentration per Run 1	0.0000 ppm	101.4840 %	104.0867 %	102.0479 %	101.7471 %	104.0909 %	105.5189 %
Concentration per Run 2	0.0002 ppm	103.5014 %	103.7178 %	101.4522 %	104.5873 %	103.3334 %	105.3933 %
Concentration per Run 3	0.0004 ppm	104.1088 %	103.9392 %	101.3788 %	106.0080 %	103.8497 %	105.5227 %
Recovery Percentage 1	3.988 %						
Concentration RSD	92.8 %	1.3 %	0.2 %	0.4 %	2.1 %	0.4 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118573-1 WG2118573
 Analysis started at: 9/24/2025 23:11:11
 Comments: <Comment>
 Rack: 1
 Vial: 49

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0059 ppm	0.0007 ppm	0.0039 ppm	0.0001 ppm	0.0000 ppm	0.0329 ppm
Concentration per Run 1	-0.0002 ppm	0.0063 ppm	0.0024 ppm	0.0038 ppm	0.0001 ppm	0.0000 ppm	0.0323 ppm
Concentration per Run 2	0.0002 ppm	0.0107 ppm	0.0004 ppm	0.0040 ppm	0.0002 ppm	-0.0001 ppm	0.0380 ppm
Concentration per Run 3	-0.0002 ppm	0.0005 ppm	-0.0007 ppm	0.0038 ppm	0.0000 ppm	0.0000 ppm	0.0283 ppm
Recovery Percentage 1	-1.255 %	5.850 %	14.376 %	12.975 %	0.968 %	-0.515 %	32.892 %
Concentration RSD	405.7 %	87.5 %	221.6 %	3.1 %	60.9 %	87.1 %	14.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0007 ppm	-0.0004 ppm	0.0489 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	-0.0004 ppm	0.0007 ppm	-0.0008 ppm	0.0493 ppm	0.0011 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0007 ppm	0.0580 ppm	0.0005 ppm
Concentration per Run 3	0.0001 ppm	-0.0004 ppm	0.0007 ppm	0.0007 ppm	-0.0011 ppm	0.0392 ppm	-0.0018 ppm
Recovery Percentage 1	0.591 %	-1.656 %	1.612 %	6.878 %	-0.763 %	1.954 %	-0.991 %
Concentration RSD	99.8 %	165.8 %	328.4 %	5.6 %	260.4 %	19.2 %	1,538.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0066 ppm	0.0009 ppm	0.0000 ppm	128.3790 ppm	0.0046 ppm	0.0014 ppm	0.0002 ppm
Concentration per Run 1	0.0076 ppm	0.0009 ppm	0.0000 ppm	126.5661 ppm	0.0047 ppm	0.0003 ppm	-0.0012 ppm
Concentration per Run 2	0.0046 ppm	0.0008 ppm	-0.0001 ppm	128.9508 ppm	0.0049 ppm	0.0022 ppm	0.0018 ppm
Concentration per Run 3	0.0076 ppm	0.0010 ppm	0.0000 ppm	129.6201 ppm	0.0043 ppm	0.0019 ppm	0.0001 ppm
Recovery Percentage 1	6.613 %	9.148 %	-0.053 %	6,418.951 %	18.575 %	14.392 %	0.453 %
Concentration RSD	26.1 %	7.7 %	375.2 %	1.3 %	6.2 %	72.0 %	670.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0014 ppm	0.0317 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	-0.0008 ppm	-0.0002 ppm
Concentration per Run 1	-0.0034 ppm	0.0326 ppm	0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run 2	0.0003 ppm	0.0317 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	-0.0016 ppm	-0.0003 ppm
Concentration per Run 3	-0.0010 ppm	0.0307 ppm	0.0009 ppm	0.0001 ppm	-0.0002 ppm	-0.0009 ppm	-0.0001 ppm
Recovery Percentage 1	-13.865 %	6.336 %	1.334 %	1.307 %	0.085 %	-3.861 %	-2.351 %
Concentration RSD	133.7 %	3.1 %	59.2 %	44.5 %	2,159.9 %	112.8 %	47.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0043 ppm	101.3323 %	98.8931 %	98.4919 %	105.8447 %	93.6209 %	102.4828 %
Concentration per Run 1	0.0043 ppm	101.4970 %	98.9772 %	98.3971 %	105.9816 %	93.4060 %	102.4983 %
Concentration per Run 2	0.0043 ppm	101.5380 %	98.9453 %	98.4255 %	106.1520 %	93.7050 %	102.6196 %
Concentration per Run 3	0.0043 ppm	100.9618 %	98.7568 %	98.6531 %	105.4007 %	93.7518 %	102.3305 %
Recovery Percentage 1	86.449 %						
Concentration RSD	0.4 %	0.3 %	0.1 %	0.1 %	0.4 %	0.2 %	0.1 %

ICP Data Trace 7

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LabBook: WG2119102_09242025T7.imexp

Sample: WG2118344-1 WG2118344
 Analysis started at: 9/24/2025 23:15:48
 Comments: <Comment>
 Rack: 1
 Vial: 59

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0107 ppm	-0.0007 ppm	0.0065 ppm	0.0005 ppm	0.0000 ppm	0.1126 ppm
Concentration per Run 1	-0.0005 ppm	0.0110 ppm	-0.0020 ppm	0.0065 ppm	0.0005 ppm	0.0000 ppm	0.1126 ppm
Concentration per Run 2	0.0000 ppm	0.0142 ppm	-0.0002 ppm	0.0059 ppm	0.0006 ppm	0.0000 ppm	0.1137 ppm
Concentration per Run 3	0.0001 ppm	0.0070 ppm	0.0000 ppm	0.0069 ppm	0.0004 ppm	0.0001 ppm	0.1116 ppm
Concentration RSD	298.9 %	33.9 %	152.0 %	7.7 %	12.6 %	86.5 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0021 ppm	0.0014 ppm	0.1399 ppm	-0.0008 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0022 ppm	0.0012 ppm	0.1503 ppm	-0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0020 ppm	0.0010 ppm	0.1335 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0020 ppm	0.0020 ppm	0.1359 ppm	-0.0013 ppm
Concentration RSD	275.9 %	336.7 %	628.1 %	5.8 %	38.0 %	6.5 %	73.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0250 ppm	0.0013 ppm	0.0000 ppm	127.4680 ppm	0.0022 ppm	0.0023 ppm	0.0014 ppm
Concentration per Run 1	0.0264 ppm	0.0013 ppm	0.0002 ppm	126.6682 ppm	0.0023 ppm	0.0027 ppm	0.0018 ppm
Concentration per Run 2	0.0236 ppm	0.0013 ppm	0.0000 ppm	128.0140 ppm	0.0021 ppm	0.0023 ppm	0.0023 ppm
Concentration per Run 3	0.0248 ppm	0.0013 ppm	-0.0001 ppm	127.7219 ppm	0.0022 ppm	0.0017 ppm	0.0001 ppm
Concentration RSD	5.7 %	1.1 %	309.8 %	0.6 %	6.4 %	22.8 %	79.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0009 ppm	0.0471 ppm	0.0016 ppm	0.0006 ppm	-0.0001 ppm	-0.0012 ppm	-0.0001 ppm
Concentration per Run 1	-0.0022 ppm	0.0461 ppm	0.0015 ppm	0.0007 ppm	-0.0002 ppm	-0.0011 ppm	0.0001 ppm
Concentration per Run 2	0.0011 ppm	0.0479 ppm	0.0016 ppm	0.0006 ppm	-0.0002 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run 3	-0.0017 ppm	0.0474 ppm	0.0018 ppm	0.0005 ppm	0.0000 ppm	-0.0013 ppm	-0.0002 ppm
Concentration RSD	188.2 %	1.9 %	7.8 %	16.3 %	95.3 %	9.8 %	172.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0084 ppm	102.1724 %	99.0059 %	98.0340 %	106.1450 %	93.2223 %	102.2858 %
Concentration per Run 1	0.0086 ppm	102.0144 %	98.9793 %	97.9776 %	105.9992 %	93.0656 %	102.2582 %
Concentration per Run 2	0.0084 ppm	101.5039 %	99.2073 %	98.1716 %	105.5790 %	93.2869 %	102.5608 %
Concentration per Run 3	0.0084 ppm	102.9989 %	98.8311 %	97.9529 %	106.8569 %	93.3142 %	102.0384 %
Concentration RSD	1.3 %	0.7 %	0.2 %	0.1 %	0.6 %	0.1 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118573-2 WG2118573
 Analysis started at: 9/24/2025 23:20:27
 Comments: <Comment>
 Rack: 1
 Vial: 50

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0442 ppm	1.9131 ppm	0.1161 ppm	0.9455 ppm	1.8658 ppm	0.0476 ppm	9.3920 ppm
Concentration per Run 1	0.0442 ppm	1.9292 ppm	0.1182 ppm	0.9398 ppm	1.8866 ppm	0.0480 ppm	9.4837 ppm
Concentration per Run 2	0.0441 ppm	1.9119 ppm	0.1180 ppm	0.9488 ppm	1.8550 ppm	0.0474 ppm	9.3797 ppm
Concentration per Run 3	0.0442 ppm	1.8982 ppm	0.1121 ppm	0.9479 ppm	1.8557 ppm	0.0473 ppm	9.3127 ppm
Concentration RSD	0.1 %	0.8 %	3.0 %	0.5 %	1.0 %	0.9 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0530 ppm	0.4880 ppm	0.1927 ppm	0.2364 ppm	0.9539 ppm	9.5007 ppm	-0.0005 ppm
Concentration per Run 1	0.0526 ppm	0.4849 ppm	0.1931 ppm	0.2367 ppm	0.9657 ppm	9.5965 ppm	-0.0006 ppm
Concentration per Run 2	0.0532 ppm	0.4896 ppm	0.1919 ppm	0.2365 ppm	0.9459 ppm	9.4244 ppm	-0.0007 ppm
Concentration per Run 3	0.0532 ppm	0.4896 ppm	0.1931 ppm	0.2359 ppm	0.9500 ppm	9.4814 ppm	-0.0001 ppm
Concentration RSD	0.7 %	0.6 %	0.4 %	0.2 %	1.1 %	0.9 %	74.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.4219 ppm	0.4702 ppm	0.9883 ppm	9.3661 ppm	0.5036 ppm	0.5279 ppm	0.4895 ppm
Concentration per Run 1	9.3938 ppm	0.4758 ppm	0.9813 ppm	9.4656 ppm	0.5007 ppm	0.5232 ppm	0.4870 ppm
Concentration per Run 2	9.4296 ppm	0.4679 ppm	0.9926 ppm	9.3173 ppm	0.5052 ppm	0.5308 ppm	0.4910 ppm
Concentration per Run 3	9.4423 ppm	0.4669 ppm	0.9911 ppm	9.3155 ppm	0.5048 ppm	0.5297 ppm	0.4905 ppm
Concentration RSD	0.3 %	1.0 %	0.6 %	0.9 %	0.5 %	0.8 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1103 ppm	1.1699 ppm	0.9612 ppm	0.9127 ppm	0.9561 ppm	0.1167 ppm	0.4913 ppm
Concentration per Run 1	0.1107 ppm	1.1621 ppm	0.9572 ppm	0.9228 ppm	0.9547 ppm	0.1168 ppm	0.4900 ppm
Concentration per Run 2	0.1120 ppm	1.1734 ppm	0.9649 ppm	0.9076 ppm	0.9550 ppm	0.1166 ppm	0.4924 ppm
Concentration per Run 3	0.1081 ppm	1.1742 ppm	0.9615 ppm	0.9078 ppm	0.9586 ppm	0.1168 ppm	0.4914 ppm
Concentration RSD	1.8 %	0.6 %	0.4 %	1.0 %	0.2 %	0.1 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5008 ppm	102.7700 %	101.6839 %	100.0012 %	106.0278 %	97.7376 %	104.9642 %
Concentration per Run 1	0.4978 ppm	102.2225 %	101.9539 %	100.1241 %	105.2210 %	98.1013 %	105.2793 %
Concentration per Run 2	0.5018 ppm	102.8980 %	101.5852 %	99.7030 %	106.1718 %	97.4089 %	104.7076 %
Concentration per Run 3	0.5028 ppm	103.1894 %	101.5127 %	100.1764 %	106.6906 %	97.7026 %	104.9057 %
Concentration RSD	0.5 %	0.5 %	0.2 %	0.3 %	0.7 %	0.4 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118344-2 WG2118344
 Analysis started at: 9/24/2025 23:24:39
 Comments: <Comment>
 Rack: 1
 Vial: 60

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0445 ppm	1.9302 ppm	0.1168 ppm	0.9416 ppm	1.8643 ppm	0.0476 ppm	9.2688 ppm
Concentration per Run 1	0.0447 ppm	1.9500 ppm	0.1160 ppm	0.9394 ppm	1.8825 ppm	0.0482 ppm	9.3581 ppm
Concentration per Run 2	0.0443 ppm	1.9343 ppm	0.1175 ppm	0.9460 ppm	1.8550 ppm	0.0474 ppm	9.2363 ppm
Concentration per Run 3	0.0445 ppm	1.9063 ppm	0.1170 ppm	0.9395 ppm	1.8553 ppm	0.0471 ppm	9.2121 ppm
Concentration RSD	0.5 %	1.1 %	0.7 %	0.4 %	0.8 %	1.1 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0531 ppm	0.4888 ppm	0.1932 ppm	0.2372 ppm	0.9717 ppm	9.4543 ppm	-0.0005 ppm
Concentration per Run 1	0.0531 ppm	0.4884 ppm	0.1934 ppm	0.2372 ppm	0.9793 ppm	9.5589 ppm	-0.0006 ppm
Concentration per Run 2	0.0533 ppm	0.4892 ppm	0.1931 ppm	0.2366 ppm	0.9697 ppm	9.3930 ppm	-0.0008 ppm
Concentration per Run 3	0.0530 ppm	0.4888 ppm	0.1932 ppm	0.2378 ppm	0.9661 ppm	9.4109 ppm	0.0000 ppm
Concentration RSD	0.2 %	0.1 %	0.1 %	0.3 %	0.7 %	1.0 %	87.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.3990 ppm	0.4717 ppm	0.9860 ppm	9.2192 ppm	0.5057 ppm	0.5261 ppm	0.4890 ppm
Concentration per Run 1	9.4060 ppm	0.4760 ppm	0.9840 ppm	9.2978 ppm	0.5051 ppm	0.5253 ppm	0.4897 ppm
Concentration per Run 2	9.3848 ppm	0.4697 ppm	0.9891 ppm	9.1840 ppm	0.5066 ppm	0.5262 ppm	0.4903 ppm
Concentration per Run 3	9.4062 ppm	0.4695 ppm	0.9849 ppm	9.1758 ppm	0.5054 ppm	0.5268 ppm	0.4870 ppm
Concentration RSD	0.1 %	0.8 %	0.3 %	0.7 %	0.2 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1106 ppm	1.1770 ppm	0.9593 ppm	0.9071 ppm	0.9558 ppm	0.1155 ppm	0.4939 ppm
Concentration per Run 1	0.1105 ppm	1.1756 ppm	0.9591 ppm	0.9158 ppm	0.9551 ppm	0.1142 ppm	0.4941 ppm
Concentration per Run 2	0.1090 ppm	1.1786 ppm	0.9626 ppm	0.9031 ppm	0.9566 ppm	0.1163 ppm	0.4928 ppm
Concentration per Run 3	0.1125 ppm	1.1767 ppm	0.9564 ppm	0.9025 ppm	0.9557 ppm	0.1159 ppm	0.4947 ppm
Concentration RSD	1.6 %	0.1 %	0.3 %	0.8 %	0.1 %	1.0 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5035 ppm	102.4032 %	101.4695 %	99.8431 %	106.3799 %	97.4555 %	105.1324 %
Concentration per Run 1	0.5035 ppm	101.4895 %	101.3203 %	99.6939 %	105.3808 %	97.2948 %	105.0926 %
Concentration per Run 2	0.5040 ppm	102.4155 %	101.5405 %	99.8426 %	106.3993 %	97.3301 %	105.1684 %
Concentration per Run 3	0.5029 ppm	103.3047 %	101.5477 %	99.9930 %	107.3596 %	97.7416 %	105.1363 %
Concentration RSD	0.1 %	0.9 %	0.1 %	0.1 %	0.9 %	0.3 %	0.0 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558867-01 WG2118344
 Analysis started at: 9/24/2025 23:28:53
 Comments: <Comment>
 Rack: 2
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0982 ppm	0.0054 ppm	0.0159 ppm	0.0089 ppm	0.0000 ppm	11.1992 ppm
Concentration per Run 1	0.0001 ppm	0.0936 ppm	0.0065 ppm	0.0162 ppm	0.0092 ppm	0.0000 ppm	11.2102 ppm
Concentration per Run 2	0.0003 ppm	0.1019 ppm	0.0055 ppm	0.0157 ppm	0.0089 ppm	0.0000 ppm	11.2340 ppm
Concentration per Run 3	0.0001 ppm	0.0992 ppm	0.0044 ppm	0.0158 ppm	0.0088 ppm	0.0001 ppm	11.1534 ppm
Concentration RSD	56.9 %	4.3 %	19.0 %	1.9 %	2.2 %	108.8 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0004 ppm	0.0003 ppm	0.0014 ppm	0.4956 ppm	0.3270 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0003 ppm	0.0005 ppm	0.0014 ppm	0.4945 ppm	0.3219 ppm	0.0005 ppm
Concentration per Run 2	0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0013 ppm	0.4977 ppm	0.3218 ppm	-0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0005 ppm	0.0001 ppm	0.0014 ppm	0.4947 ppm	0.3372 ppm	-0.0006 ppm
Concentration RSD	28.2 %	24.1 %	81.5 %	3.7 %	0.4 %	2.7 %	446.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3924 ppm	0.0286 ppm	0.0007 ppm	120.1314 ppm	0.0014 ppm	0.0017 ppm	0.0004 ppm
Concentration per Run 1	0.3890 ppm	0.0283 ppm	0.0007 ppm	119.9628 ppm	0.0013 ppm	0.0010 ppm	0.0002 ppm
Concentration per Run 2	0.3916 ppm	0.0289 ppm	0.0008 ppm	120.3468 ppm	0.0012 ppm	0.0024 ppm	0.0008 ppm
Concentration per Run 3	0.3967 ppm	0.0287 ppm	0.0006 ppm	120.0848 ppm	0.0018 ppm	0.0016 ppm	0.0001 ppm
Concentration RSD	1.0 %	1.2 %	10.2 %	0.2 %	24.2 %	41.6 %	93.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0017 ppm	0.3250 ppm	0.0014 ppm	0.0403 ppm	0.0033 ppm	-0.0014 ppm	0.0000 ppm
Concentration per Run 1	-0.0032 ppm	0.3256 ppm	0.0018 ppm	0.0401 ppm	0.0033 ppm	-0.0013 ppm	0.0001 ppm
Concentration per Run 2	-0.0037 ppm	0.3248 ppm	0.0013 ppm	0.0403 ppm	0.0036 ppm	-0.0016 ppm	0.0000 ppm
Concentration per Run 3	0.0020 ppm	0.3245 ppm	0.0010 ppm	0.0403 ppm	0.0032 ppm	-0.0015 ppm	0.0001 ppm
Concentration RSD	190.3 %	0.2 %	29.5 %	0.2 %	5.9 %	8.7 %	166.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0132 ppm	102.8823 %	98.9440 %	97.4861 %	107.0651 %	93.4734 %	102.7982 %
Concentration per Run 1	0.0133 ppm	103.0108 %	99.0827 %	97.5798 %	107.1843 %	93.3863 %	102.8429 %
Concentration per Run 2	0.0130 ppm	102.8973 %	98.9675 %	97.5328 %	106.8571 %	93.4806 %	102.8580 %
Concentration per Run 3	0.0132 ppm	102.7387 %	98.7817 %	97.3458 %	107.1540 %	93.5533 %	102.6936 %
Concentration RSD	1.1 %	0.1 %	0.2 %	0.1 %	0.2 %	0.1 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118344-3 WG2118344
 Analysis started at: 9/24/2025 23:33:21
 Comments: <Comment>
 Rack: 2
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0446 ppm	1.9714 ppm	0.1253 ppm	0.9737 ppm	1.8112 ppm	0.0466 ppm	20.3564 ppm
Concentration per Run 1	0.0465 ppm	1.9796 ppm	0.1250 ppm	0.9713 ppm	1.8220 ppm	0.0469 ppm	20.4503 ppm
Concentration per Run 2	0.0445 ppm	1.9675 ppm	0.1242 ppm	0.9758 ppm	1.8094 ppm	0.0466 ppm	20.3963 ppm
Concentration per Run 3	0.0430 ppm	1.9671 ppm	0.1266 ppm	0.9740 ppm	1.8021 ppm	0.0462 ppm	20.2225 ppm
Concentration RSD	3.9 %	0.4 %	1.0 %	0.2 %	0.6 %	0.7 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0539 ppm	0.4848 ppm	0.1928 ppm	0.2375 ppm	1.4393 ppm	9.6308 ppm	0.0012 ppm
Concentration per Run 1	0.0539 ppm	0.4843 ppm	0.1990 ppm	0.2449 ppm	1.4497 ppm	9.6413 ppm	0.0018 ppm
Concentration per Run 2	0.0540 ppm	0.4857 ppm	0.1924 ppm	0.2364 ppm	1.4360 ppm	9.6473 ppm	0.0013 ppm
Concentration per Run 3	0.0539 ppm	0.4844 ppm	0.1871 ppm	0.2310 ppm	1.4322 ppm	9.6038 ppm	0.0007 ppm
Concentration RSD	0.1 %	0.2 %	3.1 %	3.0 %	0.6 %	0.2 %	43.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.4824 ppm	0.4814 ppm	1.0015 ppm	131.5953 ppm	0.5034 ppm	0.5192 ppm	0.4983 ppm
Concentration per Run 1	9.7873 ppm	0.4840 ppm	0.9994 ppm	134.0979 ppm	0.5043 ppm	0.5181 ppm	0.4967 ppm
Concentration per Run 2	9.4514 ppm	0.4808 ppm	1.0025 ppm	130.5605 ppm	0.5031 ppm	0.5202 ppm	0.5000 ppm
Concentration per Run 3	9.2086 ppm	0.4793 ppm	1.0026 ppm	130.1275 ppm	0.5030 ppm	0.5195 ppm	0.4980 ppm
Concentration RSD	3.1 %	0.5 %	0.2 %	1.7 %	0.1 %	0.2 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1148 ppm	1.5605 ppm	0.9557 ppm	0.9164 ppm	0.9556 ppm	0.1105 ppm	0.4938 ppm
Concentration per Run 1	0.1148 ppm	1.5598 ppm	0.9530 ppm	0.9220 ppm	0.9866 ppm	0.1094 ppm	0.5093 ppm
Concentration per Run 2	0.1173 ppm	1.5620 ppm	0.9574 ppm	0.9154 ppm	0.9510 ppm	0.1117 ppm	0.4911 ppm
Concentration per Run 3	0.1124 ppm	1.5598 ppm	0.9568 ppm	0.9119 ppm	0.9293 ppm	0.1106 ppm	0.4809 ppm
Concentration RSD	2.1 %	0.1 %	0.3 %	0.6 %	3.0 %	1.0 %	2.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5288 ppm	102.6620 %	98.1306 %	96.6108 %	107.1335 %	92.1457 %	101.9499 %
Concentration per Run 1	0.5287 ppm	101.9460 %	95.5094 %	96.7255 %	106.5257 %	92.2410 %	99.0866 %
Concentration per Run 2	0.5299 ppm	102.6425 %	98.3060 %	96.4570 %	107.2294 %	91.9515 %	102.1065 %
Concentration per Run 3	0.5279 ppm	103.3974 %	100.5766 %	96.6499 %	107.6454 %	92.2447 %	104.6566 %
Concentration RSD	0.2 %	0.7 %	2.6 %	0.1 %	0.5 %	0.2 %	2.7 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118344-4 WG2118344
 Analysis started at: 9/24/2025 23:37:43
 Comments: <Comment>
 Rack: 2
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.1267 ppm	0.0054 ppm	0.0166 ppm	0.0095 ppm	0.0000 ppm	11.4274 ppm
Concentration per Run 1	-0.0001 ppm	0.1245 ppm	0.0038 ppm	0.0163 ppm	0.0095 ppm	0.0001 ppm	11.4885 ppm
Concentration per Run 2	0.0002 ppm	0.1296 ppm	0.0078 ppm	0.0171 ppm	0.0094 ppm	0.0000 ppm	11.4088 ppm
Concentration per Run 3	0.0004 ppm	0.1261 ppm	0.0047 ppm	0.0166 ppm	0.0096 ppm	0.0000 ppm	11.3849 ppm
Concentration RSD	138.6 %	2.1 %	38.8 %	2.4 %	1.3 %	107.2 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0013 ppm	0.5459 ppm	0.3594 ppm	0.0013 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0012 ppm	0.5499 ppm	0.3552 ppm	0.0023 ppm
Concentration per Run 2	0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0013 ppm	0.5461 ppm	0.3574 ppm	0.0009 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0008 ppm	0.0013 ppm	0.5418 ppm	0.3658 ppm	0.0008 ppm
Concentration RSD	62.7 %	56.6 %	22.0 %	3.8 %	0.7 %	1.6 %	60.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4108 ppm	0.0301 ppm	0.0007 ppm	122.5546 ppm	0.0032 ppm	0.0015 ppm	0.0005 ppm
Concentration per Run 1	0.4106 ppm	0.0306 ppm	0.0010 ppm	122.9834 ppm	0.0032 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run 2	0.4099 ppm	0.0300 ppm	0.0007 ppm	122.3915 ppm	0.0030 ppm	0.0023 ppm	-0.0001 ppm
Concentration per Run 3	0.4119 ppm	0.0296 ppm	0.0005 ppm	122.2887 ppm	0.0034 ppm	0.0013 ppm	0.0017 ppm
Concentration RSD	0.2 %	1.6 %	39.4 %	0.3 %	6.7 %	46.1 %	223.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0015 ppm	0.3904 ppm	0.0018 ppm	0.0415 ppm	0.0044 ppm	-0.0018 ppm	0.0002 ppm
Concentration per Run 1	0.0001 ppm	0.3911 ppm	0.0024 ppm	0.0417 ppm	0.0045 ppm	-0.0024 ppm	0.0006 ppm
Concentration per Run 2	0.0049 ppm	0.3886 ppm	0.0009 ppm	0.0415 ppm	0.0043 ppm	-0.0017 ppm	0.0001 ppm
Concentration per Run 3	-0.0005 ppm	0.3914 ppm	0.0020 ppm	0.0413 ppm	0.0045 ppm	-0.0013 ppm	-0.0001 ppm
Concentration RSD	199.9 %	0.4 %	45.6 %	0.4 %	1.8 %	30.7 %	170.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0143 ppm	102.8433 %	98.7198 %	97.1367 %	107.3740 %	93.0132 %	102.8933 %
Concentration per Run 1	0.0141 ppm	102.6555 %	98.6536 %	96.9721 %	107.2505 %	92.9297 %	102.7757 %
Concentration per Run 2	0.0145 ppm	102.7307 %	98.7547 %	97.4283 %	107.2501 %	93.0622 %	103.0168 %
Concentration per Run 3	0.0143 ppm	103.1438 %	98.7511 %	97.0097 %	107.6213 %	93.0477 %	102.8874 %
Concentration RSD	1.5 %	0.3 %	0.1 %	0.3 %	0.2 %	0.1 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558867-02 WG2118344
 Analysis started at: 9/24/2025 23:42:11
 Comments: <Comment>
 Rack: 2
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0178 ppm	0.0022 ppm	0.0085 ppm	0.0255 ppm	0.0000 ppm	72.1057 ppm
Concentration per Run 1	-0.0001 ppm	0.0189 ppm	0.0018 ppm	0.0083 ppm	0.0255 ppm	0.0000 ppm	72.0236 ppm
Concentration per Run 2	0.0001 ppm	0.0223 ppm	0.0023 ppm	0.0086 ppm	0.0255 ppm	-0.0001 ppm	72.2276 ppm
Concentration per Run 3	0.0001 ppm	0.0122 ppm	0.0024 ppm	0.0086 ppm	0.0257 ppm	0.0000 ppm	72.0660 ppm
Concentration RSD	6,340.0 %	28.8 %	13.3 %	1.9 %	0.4 %	240.4 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	-0.0002 ppm	0.0005 ppm	0.0011 ppm	0.0063 ppm	0.1861 ppm	0.0020 ppm
Concentration per Run 1	0.0002 ppm	-0.0003 ppm	0.0006 ppm	0.0012 ppm	0.0062 ppm	0.1812 ppm	0.0024 ppm
Concentration per Run 2	0.0002 ppm	-0.0002 ppm	0.0006 ppm	0.0012 ppm	0.0061 ppm	0.1961 ppm	0.0024 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0010 ppm	0.0066 ppm	0.1811 ppm	0.0011 ppm
Concentration RSD	26.9 %	39.6 %	28.8 %	9.6 %	4.1 %	4.7 %	37.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.3328 ppm	0.0919 ppm	0.0005 ppm	123.3047 ppm	0.0005 ppm	0.0055 ppm	0.0001 ppm
Concentration per Run 1	1.3296 ppm	0.0912 ppm	0.0007 ppm	123.1138 ppm	0.0006 ppm	0.0045 ppm	-0.0009 ppm
Concentration per Run 2	1.3322 ppm	0.0920 ppm	0.0005 ppm	123.4017 ppm	0.0007 ppm	0.0064 ppm	-0.0002 ppm
Concentration per Run 3	1.3366 ppm	0.0926 ppm	0.0004 ppm	123.3987 ppm	0.0003 ppm	0.0055 ppm	0.0014 ppm
Concentration RSD	0.3 %	0.8 %	21.4 %	0.1 %	38.8 %	16.7 %	1,330.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0008 ppm	0.2837 ppm	0.0020 ppm	0.1500 ppm	0.0005 ppm	-0.0021 ppm	0.0001 ppm
Concentration per Run 1	-0.0045 ppm	0.2847 ppm	0.0015 ppm	0.1499 ppm	0.0005 ppm	-0.0018 ppm	0.0000 ppm
Concentration per Run 2	0.0023 ppm	0.2832 ppm	0.0027 ppm	0.1500 ppm	0.0005 ppm	-0.0023 ppm	0.0001 ppm
Concentration per Run 3	-0.0002 ppm	0.2832 ppm	0.0016 ppm	0.1501 ppm	0.0004 ppm	-0.0021 ppm	0.0001 ppm
Concentration RSD	415.2 %	0.3 %	33.2 %	0.1 %	11.0 %	12.7 %	92.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0045 ppm	102.0739 %	97.9459 %	95.8946 %	106.2978 %	90.9954 %	101.3699 %
Concentration per Run 1	0.0046 ppm	102.0929 %	97.9732 %	95.9597 %	106.4472 %	90.5710 %	101.5024 %
Concentration per Run 2	0.0047 ppm	101.8661 %	97.8750 %	95.6926 %	106.2240 %	91.0768 %	101.2437 %
Concentration per Run 3	0.0044 ppm	102.2627 %	97.9895 %	96.0316 %	106.2222 %	91.3384 %	101.3635 %
Concentration RSD	3.7 %	0.2 %	0.1 %	0.2 %	0.1 %	0.4 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558867-03 WG2118344
 Analysis started at: 9/24/2025 23:46:40
 Comments: <Comment>
 Rack: 2
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.1507 ppm	0.0024 ppm	0.0255 ppm	0.0423 ppm	0.0001 ppm	4.5172 ppm
Concentration per Run 1	0.0002 ppm	0.1512 ppm	0.0024 ppm	0.0253 ppm	0.0424 ppm	0.0001 ppm	4.5221 ppm
Concentration per Run 2	0.0005 ppm	0.1473 ppm	0.0037 ppm	0.0250 ppm	0.0422 ppm	0.0000 ppm	4.5120 ppm
Concentration per Run 3	-0.0001 ppm	0.1536 ppm	0.0010 ppm	0.0262 ppm	0.0424 ppm	0.0001 ppm	4.5176 ppm
Concentration RSD	168.4 %	2.1 %	56.9 %	2.6 %	0.2 %	32.8 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0004 ppm	0.0003 ppm	0.0012 ppm	2.1155 ppm	0.3794 ppm	-0.0008 ppm
Concentration per Run 1	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0013 ppm	2.1152 ppm	0.3736 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0010 ppm	2.1126 ppm	0.3838 ppm	-0.0016 ppm
Concentration per Run 3	0.0001 ppm	0.0006 ppm	0.0007 ppm	0.0014 ppm	2.1186 ppm	0.3809 ppm	-0.0007 ppm
Concentration RSD	29.7 %	69.2 %	109.7 %	14.7 %	0.1 %	1.4 %	100.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.2936 ppm	0.0441 ppm	0.0002 ppm	123.1650 ppm	0.0011 ppm	0.0097 ppm	0.0004 ppm
Concentration per Run 1	0.2923 ppm	0.0440 ppm	0.0002 ppm	123.1369 ppm	0.0012 ppm	0.0099 ppm	0.0006 ppm
Concentration per Run 2	0.2929 ppm	0.0442 ppm	0.0001 ppm	123.3147 ppm	0.0006 ppm	0.0099 ppm	0.0003 ppm
Concentration per Run 3	0.2955 ppm	0.0441 ppm	0.0001 ppm	123.0434 ppm	0.0015 ppm	0.0094 ppm	0.0002 ppm
Concentration RSD	0.6 %	0.3 %	53.9 %	0.1 %	44.9 %	3.0 %	64.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0029 ppm	0.2884 ppm	0.0010 ppm	0.0282 ppm	0.0020 ppm	-0.0023 ppm	0.0002 ppm
Concentration per Run 1	-0.0019 ppm	0.2886 ppm	0.0010 ppm	0.0282 ppm	0.0021 ppm	-0.0021 ppm	0.0003 ppm
Concentration per Run 2	-0.0045 ppm	0.2894 ppm	0.0010 ppm	0.0282 ppm	0.0018 ppm	-0.0024 ppm	0.0000 ppm
Concentration per Run 3	-0.0025 ppm	0.2872 ppm	0.0011 ppm	0.0284 ppm	0.0021 ppm	-0.0024 ppm	0.0002 ppm
Concentration RSD	46.1 %	0.4 %	6.2 %	0.4 %	7.9 %	7.1 %	122.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0335 ppm	102.9873 %	99.3407 %	97.3271 %	106.9020 %	93.4250 %	103.1071 %
Concentration per Run 1	0.0338 ppm	102.8750 %	99.2378 %	97.2636 %	106.6970 %	93.3998 %	103.0738 %
Concentration per Run 2	0.0336 ppm	102.7295 %	99.2028 %	97.1523 %	106.6268 %	93.3162 %	103.0071 %
Concentration per Run 3	0.0333 ppm	103.3573 %	99.5816 %	97.5655 %	107.3823 %	93.5589 %	103.2404 %
Concentration RSD	0.7 %	0.3 %	0.2 %	0.2 %	0.4 %	0.1 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558867-04 WG2118344
 Analysis started at: 9/24/2025 23:51:08
 Comments: <Comment>
 Rack: 2
 Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.1419 ppm	0.0027 ppm	0.0084 ppm	0.0169 ppm	0.0001 ppm	43.7097 ppm
Concentration per Run 1	0.0003 ppm	0.1364 ppm	0.0027 ppm	0.0081 ppm	0.0170 ppm	0.0001 ppm	43.7757 ppm
Concentration per Run 2	-0.0001 ppm	0.1475 ppm	0.0037 ppm	0.0085 ppm	0.0169 ppm	0.0001 ppm	43.6736 ppm
Concentration per Run 3	-0.0001 ppm	0.1418 ppm	0.0018 ppm	0.0085 ppm	0.0167 ppm	0.0001 ppm	43.6799 ppm
Concentration RSD	1,291.3 %	3.9 %	34.5 %	2.5 %	0.9 %	21.7 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0007 ppm	0.0045 ppm	0.0006 ppm	0.0052 ppm	0.1544 ppm	0.2312 ppm	0.0025 ppm
Concentration per Run 1	0.0007 ppm	0.0045 ppm	0.0004 ppm	0.0053 ppm	0.1542 ppm	0.2432 ppm	0.0025 ppm
Concentration per Run 2	0.0008 ppm	0.0045 ppm	0.0005 ppm	0.0052 ppm	0.1554 ppm	0.2341 ppm	0.0033 ppm
Concentration per Run 3	0.0007 ppm	0.0045 ppm	0.0008 ppm	0.0051 ppm	0.1536 ppm	0.2163 ppm	0.0017 ppm
Concentration RSD	6.6 %	0.4 %	38.3 %	2.2 %	0.6 %	5.9 %	31.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.7998 ppm	0.2026 ppm	0.0002 ppm	121.0972 ppm	0.0144 ppm	0.0387 ppm	0.0004 ppm
Concentration per Run 1	0.8044 ppm	0.2030 ppm	0.0000 ppm	121.3580 ppm	0.0144 ppm	0.0387 ppm	0.0011 ppm
Concentration per Run 2	0.7947 ppm	0.2021 ppm	0.0003 ppm	121.0829 ppm	0.0151 ppm	0.0380 ppm	0.0002 ppm
Concentration per Run 3	0.8003 ppm	0.2026 ppm	0.0004 ppm	120.8508 ppm	0.0138 ppm	0.0392 ppm	0.0000 ppm
Concentration RSD	0.6 %	0.2 %	91.7 %	0.2 %	4.3 %	1.5 %	139.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.1653 ppm	0.0018 ppm	0.0790 ppm	0.0004 ppm	-0.0017 ppm	0.0001 ppm
Concentration per Run 1	-0.0022 ppm	0.1650 ppm	0.0023 ppm	0.0792 ppm	0.0003 ppm	-0.0012 ppm	0.0002 ppm
Concentration per Run 2	0.0032 ppm	0.1653 ppm	0.0017 ppm	0.0788 ppm	0.0005 ppm	-0.0022 ppm	0.0000 ppm
Concentration per Run 3	-0.0010 ppm	0.1655 ppm	0.0014 ppm	0.0790 ppm	0.0004 ppm	-0.0016 ppm	0.0001 ppm
Concentration RSD	39,727.7 %	0.1 %	26.2 %	0.2 %	28.9 %	28.3 %	100.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3438 ppm	103.6680 %	98.9756 %	96.6875 %	106.7371 %	91.9758 %	101.9672 %
Concentration per Run 1	0.3430 ppm	103.4393 %	98.7152 %	96.7072 %	106.5751 %	91.8518 %	101.7523 %
Concentration per Run 2	0.3446 ppm	104.1078 %	99.2743 %	96.5316 %	107.1040 %	91.8476 %	102.1773 %
Concentration per Run 3	0.3439 ppm	103.4568 %	98.9374 %	96.8236 %	106.5322 %	92.2279 %	101.9721 %
Concentration RSD	0.2 %	0.4 %	0.3 %	0.2 %	0.3 %	0.2 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
 Analysis started at: 9/24/2025 23:55:36
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4700 ppm	0.4689 ppm	0.4786 ppm	0.4832 ppm	0.4679 ppm	0.4814 ppm	0.4882 ppm
Concentration per Run 1	0.4705 ppm	0.4768 ppm	0.4817 ppm	0.4838 ppm	0.4740 ppm	0.4872 ppm	0.4990 ppm
Concentration per Run 2	0.4706 ppm	0.4627 ppm	0.4768 ppm	0.4821 ppm	0.4647 ppm	0.4795 ppm	0.4845 ppm
Concentration per Run 3	0.4687 ppm	0.4673 ppm	0.4774 ppm	0.4837 ppm	0.4650 ppm	0.4773 ppm	0.4811 ppm
Recovery Percentage 1	93.994 %	93.785 %	95.730 %	96.640 %	93.583 %	96.270 %	97.644 %
Concentration RSD	0.2 %	1.5 %	0.6 %	0.2 %	1.1 %	1.1 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5006 ppm	0.4893 ppm	0.4989 ppm	0.4860 ppm	0.4822 ppm	4.8948 ppm	0.4860 ppm
Concentration per Run 1	0.5028 ppm	0.4910 ppm	0.4987 ppm	0.4866 ppm	0.4887 ppm	4.9646 ppm	0.4918 ppm
Concentration per Run 2	0.4993 ppm	0.4882 ppm	0.4988 ppm	0.4857 ppm	0.4818 ppm	4.8731 ppm	0.4834 ppm
Concentration per Run 3	0.4998 ppm	0.4887 ppm	0.4991 ppm	0.4856 ppm	0.4762 ppm	4.8467 ppm	0.4828 ppm
Recovery Percentage 1	100.123 %	97.864 %	99.770 %	97.197 %	96.445 %	97.895 %	97.201 %
Concentration RSD	0.4 %	0.3 %	0.0 %	0.1 %	1.3 %	1.3 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5054 ppm	0.4826 ppm	0.4911 ppm	9.3812 ppm	0.5081 ppm	0.5168 ppm	0.4993 ppm
Concentration per Run 1	0.5043 ppm	0.4885 ppm	0.4920 ppm	9.5220 ppm	0.5096 ppm	0.5174 ppm	0.4993 ppm
Concentration per Run 2	0.5103 ppm	0.4804 ppm	0.4904 ppm	9.3212 ppm	0.5079 ppm	0.5156 ppm	0.4975 ppm
Concentration per Run 3	0.5016 ppm	0.4788 ppm	0.4910 ppm	9.3003 ppm	0.5067 ppm	0.5172 ppm	0.5010 ppm
Recovery Percentage 1	101.084 %	96.518 %	98.228 %	93.812 %	101.615 %	103.350 %	99.851 %
Concentration RSD	0.9 %	1.1 %	0.2 %	1.3 %	0.3 %	0.2 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4957 ppm	5.5161 ppm	0.4904 ppm	0.4749 ppm	0.4930 ppm	0.5085 ppm	0.4997 ppm
Concentration per Run 1	0.4964 ppm	5.5311 ppm	0.4920 ppm	0.4810 ppm	0.4932 ppm	0.5106 ppm	0.4995 ppm
Concentration per Run 2	0.4960 ppm	5.5044 ppm	0.4879 ppm	0.4718 ppm	0.4934 ppm	0.5061 ppm	0.4997 ppm
Concentration per Run 3	0.4946 ppm	5.5127 ppm	0.4912 ppm	0.4718 ppm	0.4924 ppm	0.5089 ppm	0.4998 ppm
Recovery Percentage 1	99.134 %	105.068 %	98.073 %	94.977 %	98.600 %	101.700 %	99.933 %
Concentration RSD	0.2 %	0.2 %	0.4 %	1.1 %	0.1 %	0.4 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5091 ppm	103.8096 %	102.8333 %	100.3547 %	106.5189 %	101.9688 %	106.4779 %
Concentration per Run 1	0.5115 ppm	102.7858 %	103.0018 %	100.0903 %	104.8069 %	101.7007 %	106.5333 %
Concentration per Run 2	0.5080 ppm	104.3187 %	102.6474 %	100.5948 %	107.0014 %	102.2408 %	106.2460 %
Concentration per Run 3	0.5077 ppm	104.3243 %	102.8506 %	100.3789 %	107.7485 %	101.9650 %	106.6543 %
Recovery Percentage 1	101.813 %						
Concentration RSD	0.4 %	0.9 %	0.2 %	0.3 %	1.4 %	0.3 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
 Analysis started at: 9/24/2025 23:59:52
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0027 ppm	-0.0023 ppm	0.0013 ppm	0.0000 ppm	0.0001 ppm	-0.0014 ppm
Concentration per Run 1	0.0000 ppm	0.0039 ppm	-0.0026 ppm	0.0008 ppm	-0.0001 ppm	0.0001 ppm	0.0030 ppm
Concentration per Run 2	0.0003 ppm	-0.0038 ppm	-0.0021 ppm	0.0015 ppm	0.0000 ppm	0.0001 ppm	-0.0078 ppm
Concentration per Run 3	0.0002 ppm	-0.0081 ppm	-0.0022 ppm	0.0016 ppm	0.0000 ppm	0.0001 ppm	0.0007 ppm
Recovery Percentage 1	3.378 %	-2.653 %	-46.147 %	4.267 %	-0.200 %	1.933 %	-1.376 %
Concentration RSD	86.5 %	228.9 %	11.3 %	34.1 %	304.6 %	23.7 %	413.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	-0.0005 ppm	0.0005 ppm	0.0108 ppm	-0.0009 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0010 ppm	0.0185 ppm	-0.0018 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm	0.0000 ppm	0.0248 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0005 ppm	0.0004 ppm	-0.0108 ppm	-0.0004 ppm
Recovery Percentage 1	-1.287 %	-0.756 %	1.688 %	-4.620 %	0.905 %	0.434 %	-9.275 %
Concentration RSD	22.2 %	57.8 %	114.1 %	10.9 %	103.3 %	175.0 %	82.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0026 ppm	-0.0001 ppm	0.0003 ppm	0.0646 ppm	0.0001 ppm	0.0007 ppm	0.0013 ppm
Concentration per Run 1	0.0037 ppm	-0.0002 ppm	0.0005 ppm	0.0595 ppm	-0.0001 ppm	0.0004 ppm	0.0010 ppm
Concentration per Run 2	0.0027 ppm	-0.0002 ppm	0.0002 ppm	0.0704 ppm	-0.0001 ppm	0.0016 ppm	0.0008 ppm
Concentration per Run 3	0.0014 ppm	-0.0001 ppm	0.0001 ppm	0.0639 ppm	0.0004 ppm	0.0000 ppm	0.0019 ppm
Recovery Percentage 1	2.607 %	-1.438 %	0.596 %	3.231 %	0.277 %	6.895 %	2.501 %
Concentration RSD	44.0 %	27.4 %	67.0 %	8.5 %	411.4 %	120.9 %	47.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0015 ppm	0.0009 ppm	0.0008 ppm	0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 1	-0.0014 ppm	0.0018 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 3	-0.0032 ppm	0.0010 ppm	0.0009 ppm	0.0002 ppm	0.0004 ppm	-0.0002 ppm	0.0003 ppm
Recovery Percentage 1	-15.187 %	0.189 %	1.575 %	1.145 %	2.550 %	1.759 %	0.453 %
Concentration RSD	104.9 %	88.8 %	35.5 %	106.2 %	85.3 %	228.7 %	568.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	104.0909 %	104.0618 %	101.6400 %	105.2943 %	104.8886 %	105.9784 %
Concentration per Run 1	0.0002 ppm	103.1915 %	104.2073 %	101.3992 %	103.8352 %	104.5414 %	105.9599 %
Concentration per Run 2	0.0003 ppm	106.1694 %	104.0612 %	101.2003 %	107.4955 %	104.1481 %	105.9348 %
Concentration per Run 3	0.0001 ppm	102.9118 %	103.9169 %	102.3204 %	104.5522 %	105.9762 %	106.0406 %
Recovery Percentage 1	3.692 %						
Concentration RSD	59.4 %	1.7 %	0.1 %	0.6 %	1.8 %	0.9 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118856-1 WG2118856
 Analysis started at: 9/25/2025 00:06:01
 Comments: <Comment>
 Rack: 2
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0074 ppm	-0.0011 ppm	0.0032 ppm	0.0003 ppm	0.0000 ppm	0.0321 ppm
Concentration per Run 1	0.0001 ppm	0.0067 ppm	-0.0005 ppm	0.0036 ppm	0.0001 ppm	-0.0001 ppm	0.0287 ppm
Concentration per Run 2	0.0002 ppm	0.0051 ppm	-0.0018 ppm	0.0028 ppm	0.0005 ppm	0.0000 ppm	0.0364 ppm
Concentration per Run 3	0.0004 ppm	0.0103 ppm	-0.0011 ppm	0.0031 ppm	0.0001 ppm	0.0000 ppm	0.0312 ppm
Recovery Percentage 1	4.603 %	7.366 %	-22.337 %	10.618 %	2.549 %	-0.782 %	32.098 %
Concentration RSD	65.5 %	35.5 %	61.3 %	11.7 %	97.9 %	70.3 %	12.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0021 ppm	0.0148 ppm	-0.0008 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	-0.0002 ppm	0.0003 ppm	0.0025 ppm	0.0061 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0023 ppm	0.0140 ppm	-0.0012 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0013 ppm	0.0243 ppm	-0.0015 ppm
Recovery Percentage 1	-0.668 %	-2.257 %	-0.220 %	0.739 %	4.136 %	0.592 %	-8.289 %
Concentration RSD	82.5 %	85.6 %	928.3 %	295.6 %	31.3 %	61.4 %	111.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0103 ppm	0.0003 ppm	0.0002 ppm	0.4285 ppm	0.0004 ppm	-0.0002 ppm	0.0011 ppm
Concentration per Run 1	0.0087 ppm	0.0004 ppm	0.0000 ppm	0.4167 ppm	0.0005 ppm	-0.0003 ppm	0.0013 ppm
Concentration per Run 2	0.0126 ppm	0.0000 ppm	0.0004 ppm	0.4584 ppm	0.0003 ppm	0.0005 ppm	0.0004 ppm
Concentration per Run 3	0.0096 ppm	0.0005 ppm	0.0003 ppm	0.4102 ppm	0.0005 ppm	-0.0006 ppm	0.0017 ppm
Recovery Percentage 1	10.295 %	3.035 %	0.441 %	21.423 %	1.745 %	-1.534 %	2.234 %
Concentration RSD	19.8 %	88.3 %	86.1 %	6.1 %	23.9 %	380.2 %	60.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0020 ppm	0.0274 ppm	0.0003 ppm	0.0002 ppm	-0.0001 ppm	-0.0016 ppm	-0.0001 ppm
Concentration per Run 1	-0.0023 ppm	0.0281 ppm	0.0006 ppm	0.0002 ppm	-0.0002 ppm	-0.0017 ppm	-0.0002 ppm
Concentration per Run 2	-0.0020 ppm	0.0270 ppm	-0.0005 ppm	0.0003 ppm	-0.0003 ppm	-0.0013 ppm	0.0002 ppm
Concentration per Run 3	-0.0018 ppm	0.0270 ppm	0.0009 ppm	0.0002 ppm	0.0002 ppm	-0.0018 ppm	-0.0001 ppm
Recovery Percentage 1	-20.261 %	5.471 %	0.618 %	2.227 %	-1.080 %	-8.008 %	-0.510 %
Concentration RSD	11.3 %	2.4 %	244.8 %	24.6 %	246.5 %	17.0 %	421.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0016 ppm	102.6090 %	104.1658 %	100.7671 %	105.0138 %	100.2603 %	107.0588 %
Concentration per Run 1	0.0015 ppm	105.2276 %	104.0333 %	100.6171 %	107.9362 %	100.1667 %	106.9560 %
Concentration per Run 2	0.0017 ppm	98.3948 %	103.9522 %	100.7820 %	100.5286 %	100.3628 %	106.9098 %
Concentration per Run 3	0.0016 ppm	104.2044 %	104.5120 %	100.9022 %	106.5766 %	100.2515 %	107.3105 %
Recovery Percentage 1	31.694 %						
Concentration RSD	7.6 %	3.6 %	0.3 %	0.1 %	3.8 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118856-2 WG2118856
 Analysis started at: 9/25/2025 00:10:33
 Comments: <Comment>
 Rack: 2
 Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0430 ppm	1.8423 ppm	0.1105 ppm	0.9069 ppm	1.7982 ppm	0.0458 ppm	8.9151 ppm
Concentration per Run 1	0.0434 ppm	1.8446 ppm	0.1128 ppm	0.9001 ppm	1.7889 ppm	0.0453 ppm	8.8844 ppm
Concentration per Run 2	0.0429 ppm	1.8317 ppm	0.1099 ppm	0.9139 ppm	1.8001 ppm	0.0459 ppm	8.9234 ppm
Concentration per Run 3	0.0425 ppm	1.8504 ppm	0.1087 ppm	0.9068 ppm	1.8056 ppm	0.0461 ppm	8.9377 ppm
Concentration RSD	1.0 %	0.5 %	1.9 %	0.8 %	0.5 %	1.0 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0517 ppm	0.4706 ppm	0.1894 ppm	0.2316 ppm	0.9104 ppm	8.9236 ppm	-0.0014 ppm
Concentration per Run 1	0.0513 ppm	0.4670 ppm	0.1892 ppm	0.2318 ppm	0.9072 ppm	8.8867 ppm	-0.0008 ppm
Concentration per Run 2	0.0520 ppm	0.4726 ppm	0.1891 ppm	0.2315 ppm	0.9108 ppm	8.9273 ppm	-0.0026 ppm
Concentration per Run 3	0.0518 ppm	0.4721 ppm	0.1899 ppm	0.2314 ppm	0.9133 ppm	8.9568 ppm	-0.0009 ppm
Concentration RSD	0.7 %	0.7 %	0.2 %	0.1 %	0.3 %	0.4 %	70.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.0609 ppm	0.4497 ppm	0.9534 ppm	8.8166 ppm	0.4894 ppm	0.5094 ppm	0.4747 ppm
Concentration per Run 1	9.0842 ppm	0.4475 ppm	0.9469 ppm	8.7576 ppm	0.4866 ppm	0.5056 ppm	0.4699 ppm
Concentration per Run 2	9.0446 ppm	0.4496 ppm	0.9577 ppm	8.8276 ppm	0.4920 ppm	0.5137 ppm	0.4790 ppm
Concentration per Run 3	9.0539 ppm	0.4521 ppm	0.9556 ppm	8.8646 ppm	0.4896 ppm	0.5088 ppm	0.4753 ppm
Concentration RSD	0.2 %	0.5 %	0.6 %	0.6 %	0.6 %	0.8 %	1.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1053 ppm	1.1495 ppm	0.9196 ppm	0.8641 ppm	0.9191 ppm	0.1127 ppm	0.4786 ppm
Concentration per Run 1	0.1036 ppm	1.1436 ppm	0.9108 ppm	0.8599 ppm	0.9208 ppm	0.1121 ppm	0.4792 ppm
Concentration per Run 2	0.1061 ppm	1.1560 ppm	0.9285 ppm	0.8649 ppm	0.9188 ppm	0.1142 ppm	0.4782 ppm
Concentration per Run 3	0.1062 ppm	1.1489 ppm	0.9194 ppm	0.8676 ppm	0.9177 ppm	0.1117 ppm	0.4784 ppm
Concentration RSD	1.4 %	0.5 %	1.0 %	0.5 %	0.2 %	1.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4886 ppm	104.0222 %	102.0791 %	98.9277 %	107.3565 %	97.6474 %	105.4740 %
Concentration per Run 1	0.4850 ppm	104.3264 %	102.0151 %	98.9500 %	107.5891 %	98.2359 %	105.4077 %
Concentration per Run 2	0.4911 ppm	103.7707 %	102.3016 %	99.0586 %	107.3030 %	97.1788 %	105.7703 %
Concentration per Run 3	0.4898 ppm	103.9696 %	101.9207 %	98.7744 %	107.1772 %	97.5275 %	105.2441 %
Concentration RSD	0.7 %	0.3 %	0.2 %	0.1 %	0.2 %	0.6 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558867-05 WG2118344
 Analysis started at: 9/25/2025 00:14:46
 Comments: <Comment>
 Rack: 2
 Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0331 ppm	0.0026 ppm	0.0108 ppm	0.0709 ppm	0.0000 ppm	63.8536 ppm
Concentration per Run 1	0.0000 ppm	0.0352 ppm	0.0032 ppm	0.0112 ppm	0.0707 ppm	0.0000 ppm	63.8221 ppm
Concentration per Run 2	0.0004 ppm	0.0350 ppm	0.0019 ppm	0.0105 ppm	0.0712 ppm	0.0000 ppm	63.8899 ppm
Concentration per Run 3	0.0002 ppm	0.0290 ppm	0.0026 ppm	0.0108 ppm	0.0706 ppm	0.0000 ppm	63.8488 ppm
Concentration RSD	92.8 %	10.7 %	25.2 %	3.1 %	0.4 %	49.8 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0024 ppm	0.0008 ppm	0.0006 ppm	0.0155 ppm	0.0102 ppm	0.2926 ppm	0.0014 ppm
Concentration per Run 1	0.0024 ppm	0.0007 ppm	0.0009 ppm	0.0156 ppm	0.0086 ppm	0.3232 ppm	0.0025 ppm
Concentration per Run 2	0.0023 ppm	0.0011 ppm	0.0003 ppm	0.0155 ppm	0.0102 ppm	0.2735 ppm	0.0014 ppm
Concentration per Run 3	0.0024 ppm	0.0007 ppm	0.0005 ppm	0.0155 ppm	0.0118 ppm	0.2812 ppm	0.0004 ppm
Concentration RSD	0.9 %	30.5 %	52.0 %	0.3 %	15.7 %	9.1 %	76.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.2204 ppm	0.2373 ppm	0.0007 ppm	124.4507 ppm	0.0040 ppm	0.0720 ppm	0.0076 ppm
Concentration per Run 1	1.2223 ppm	0.2373 ppm	0.0009 ppm	124.3302 ppm	0.0039 ppm	0.0716 ppm	0.0083 ppm
Concentration per Run 2	1.2220 ppm	0.2370 ppm	0.0006 ppm	124.5182 ppm	0.0037 ppm	0.0719 ppm	0.0075 ppm
Concentration per Run 3	1.2169 ppm	0.2376 ppm	0.0005 ppm	124.5035 ppm	0.0043 ppm	0.0724 ppm	0.0070 ppm
Concentration RSD	0.2 %	0.1 %	33.3 %	0.1 %	8.1 %	0.6 %	8.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.3768 ppm	0.0017 ppm	0.1364 ppm	0.0007 ppm	-0.0026 ppm	0.0002 ppm
Concentration per Run 1	0.0003 ppm	0.3769 ppm	0.0020 ppm	0.1363 ppm	0.0008 ppm	-0.0027 ppm	0.0002 ppm
Concentration per Run 2	-0.0012 ppm	0.3758 ppm	0.0008 ppm	0.1366 ppm	0.0008 ppm	-0.0025 ppm	0.0002 ppm
Concentration per Run 3	0.0010 ppm	0.3777 ppm	0.0024 ppm	0.1364 ppm	0.0006 ppm	-0.0025 ppm	0.0002 ppm
Concentration RSD	4,348.3 %	0.3 %	49.4 %	0.1 %	19.4 %	3.8 %	4.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1491 ppm	103.4308 %	98.4407 %	95.4481 %	106.7235 %	91.2419 %	101.8767 %
Concentration per Run 1	0.1489 ppm	102.8900 %	98.1172 %	95.4702 %	106.2979 %	91.3379 %	101.6338 %
Concentration per Run 2	0.1491 ppm	103.9744 %	98.5484 %	95.3707 %	107.2656 %	91.2260 %	101.9767 %
Concentration per Run 3	0.1493 ppm	103.4279 %	98.6566 %	95.5033 %	106.6069 %	91.1619 %	102.0198 %
Concentration RSD	0.1 %	0.5 %	0.3 %	0.1 %	0.5 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2559168-01 WG2118856
 Analysis started at: 9/25/2025 00:19:12
 Comments: <Comment>
 Rack: 2
 Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0210 ppm	0.0032 ppm	0.0155 ppm	0.0211 ppm	0.0000 ppm	194.8889 ppm
Concentration per Run 1	-0.0003 ppm	0.0189 ppm	0.0008 ppm	0.0158 ppm	0.0211 ppm	0.0000 ppm	194.3683 ppm
Concentration per Run 2	-0.0001 ppm	0.0147 ppm	0.0049 ppm	0.0150 ppm	0.0210 ppm	0.0000 ppm	195.7934 ppm
Concentration per Run 3	0.0005 ppm	0.0295 ppm	0.0038 ppm	0.0157 ppm	0.0213 ppm	0.0000 ppm	194.5048 ppm
Concentration RSD	695.5 %	36.1 %	66.0 %	2.7 %	0.6 %	62.5 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0808 ppm	0.0011 ppm	0.0019 ppm	1.0407 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0814 ppm	0.0008 ppm	0.0032 ppm	1.0275 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	-0.0003 ppm	0.0807 ppm	0.0011 ppm	0.0000 ppm	1.0733 ppm	-0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0803 ppm	0.0013 ppm	0.0024 ppm	1.0212 ppm	-0.0003 ppm
Concentration RSD	21.8 %	70.3 %	0.7 %	21.7 %	89.7 %	2.7 %	326.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.5014 ppm	0.0002 ppm	0.0052 ppm	0.9379 ppm	0.0001 ppm	0.0035 ppm	0.0013 ppm
Concentration per Run 1	1.5085 ppm	0.0003 ppm	0.0051 ppm	0.9441 ppm	0.0004 ppm	0.0044 ppm	0.0029 ppm
Concentration per Run 2	1.4987 ppm	0.0001 ppm	0.0053 ppm	0.9397 ppm	-0.0002 ppm	0.0027 ppm	0.0004 ppm
Concentration per Run 3	1.4971 ppm	0.0001 ppm	0.0051 ppm	0.9300 ppm	0.0001 ppm	0.0033 ppm	0.0007 ppm
Concentration RSD	0.4 %	62.4 %	1.7 %	0.8 %	299.1 %	24.7 %	103.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0015 ppm	2.3478 ppm	0.0013 ppm	1.1734 ppm	0.0006 ppm	-0.0023 ppm	0.0020 ppm
Concentration per Run 1	-0.0015 ppm	2.3382 ppm	0.0005 ppm	1.1689 ppm	0.0007 ppm	-0.0009 ppm	0.0019 ppm
Concentration per Run 2	-0.0016 ppm	2.3562 ppm	0.0016 ppm	1.1760 ppm	0.0004 ppm	-0.0011 ppm	0.0020 ppm
Concentration per Run 3	-0.0014 ppm	2.3489 ppm	0.0018 ppm	1.1752 ppm	0.0006 ppm	-0.0047 ppm	0.0020 ppm
Concentration RSD	5.3 %	0.4 %	55.3 %	0.3 %	31.0 %	94.1 %	2.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	103.4602 %	98.5605 %	94.0755 %	107.3200 %	90.1385 %	102.0879 %
Concentration per Run 1	0.0002 ppm	103.3759 %	98.2815 %	94.0944 %	107.6147 %	90.2953 %	101.8828 %
Concentration per Run 2	0.0002 ppm	103.2375 %	98.4663 %	94.0473 %	106.6044 %	89.8952 %	101.9372 %
Concentration per Run 3	0.0003 ppm	103.7672 %	98.9337 %	94.0850 %	107.7409 %	90.2251 %	102.4436 %
Concentration RSD	20.4 %	0.3 %	0.3 %	0.0 %	0.6 %	0.2 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118856-3 WG2118856
 Analysis started at: 9/25/2025 00:23:41
 Comments: <Comment>
 Rack: 2
 Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0428 ppm	1.8167 ppm	0.1173 ppm	0.9468 ppm	1.7653 ppm	0.0441 ppm	191.8018 ppm
Concentration per Run 1	0.0426 ppm	1.8107 ppm	0.1155 ppm	0.9461 ppm	1.7602 ppm	0.0440 ppm	191.3971 ppm
Concentration per Run 2	0.0431 ppm	1.8203 ppm	0.1192 ppm	0.9458 ppm	1.7677 ppm	0.0441 ppm	192.1209 ppm
Concentration per Run 3	0.0428 ppm	1.8191 ppm	0.1174 ppm	0.9485 ppm	1.7679 ppm	0.0442 ppm	191.8874 ppm
Concentration RSD	0.5 %	0.3 %	1.6 %	0.2 %	0.2 %	0.2 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0513 ppm	0.4621 ppm	0.2571 ppm	0.2314 ppm	0.8686 ppm	9.8081 ppm	0.0010 ppm
Concentration per Run 1	0.0513 ppm	0.4612 ppm	0.2564 ppm	0.2311 ppm	0.8672 ppm	9.7931 ppm	0.0010 ppm
Concentration per Run 2	0.0513 ppm	0.4622 ppm	0.2576 ppm	0.2315 ppm	0.8699 ppm	9.8150 ppm	0.0011 ppm
Concentration per Run 3	0.0514 ppm	0.4627 ppm	0.2574 ppm	0.2316 ppm	0.8686 ppm	9.8163 ppm	0.0008 ppm
Concentration RSD	0.1 %	0.2 %	0.3 %	0.1 %	0.2 %	0.1 %	20.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0362 ppm	0.4291 ppm	0.9652 ppm	9.4932 ppm	0.4822 ppm	0.5045 ppm	0.4904 ppm
Concentration per Run 1	10.0140 ppm	0.4286 ppm	0.9636 ppm	9.4637 ppm	0.4821 ppm	0.5052 ppm	0.4881 ppm
Concentration per Run 2	10.0385 ppm	0.4291 ppm	0.9659 ppm	9.5034 ppm	0.4812 ppm	0.5033 ppm	0.4925 ppm
Concentration per Run 3	10.0560 ppm	0.4296 ppm	0.9662 ppm	9.5125 ppm	0.4831 ppm	0.5049 ppm	0.4906 ppm
Concentration RSD	0.2 %	0.1 %	0.1 %	0.3 %	0.2 %	0.2 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1126 ppm	3.4389 ppm	0.9143 ppm	1.9486 ppm	0.8947 ppm	0.1068 ppm	0.4687 ppm
Concentration per Run 1	0.1134 ppm	3.4393 ppm	0.9158 ppm	1.9433 ppm	0.8945 ppm	0.1085 ppm	0.4687 ppm
Concentration per Run 2	0.1118 ppm	3.4385 ppm	0.9147 ppm	1.9502 ppm	0.8935 ppm	0.1065 ppm	0.4681 ppm
Concentration per Run 3	0.1126 ppm	3.4391 ppm	0.9123 ppm	1.9524 ppm	0.8961 ppm	0.1053 ppm	0.4694 ppm
Concentration RSD	0.7 %	0.0 %	0.2 %	0.2 %	0.1 %	1.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4848 ppm	102.5570 %	97.7350 %	93.4439 %	106.6594 %	89.4569 %	101.4518 %
Concentration per Run 1	0.4851 ppm	102.4013 %	97.9827 %	93.0896 %	106.4318 %	89.4137 %	101.6875 %
Concentration per Run 2	0.4838 ppm	102.6648 %	97.5994 %	93.5132 %	106.7277 %	89.5232 %	101.2731 %
Concentration per Run 3	0.4855 ppm	102.6048 %	97.6228 %	93.7288 %	106.8185 %	89.4338 %	101.3948 %
Concentration RSD	0.2 %	0.1 %	0.2 %	0.3 %	0.2 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118856-4 WG2118856
 Analysis started at: 9/25/2025 00:27:55
 Comments: <Comment>
 Rack: 2
 Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0128 ppm	0.0015 ppm	0.0155 ppm	0.0283 ppm	-0.0001 ppm	191.3704 ppm
Concentration per Run 1	0.0004 ppm	0.0165 ppm	0.0001 ppm	0.0156 ppm	0.0283 ppm	-0.0001 ppm	191.4726 ppm
Concentration per Run 2	0.0000 ppm	0.0125 ppm	0.0016 ppm	0.0156 ppm	0.0282 ppm	-0.0001 ppm	191.2132 ppm
Concentration per Run 3	-0.0002 ppm	0.0096 ppm	0.0027 ppm	0.0153 ppm	0.0283 ppm	0.0000 ppm	191.4253 ppm
Concentration RSD	651.0 %	27.3 %	86.9 %	1.1 %	0.1 %	75.9 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0791 ppm	0.0010 ppm	0.0021 ppm	1.0363 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0792 ppm	0.0010 ppm	0.0032 ppm	1.0503 ppm	-0.0014 ppm
Concentration per Run 2	0.0000 ppm	-0.0004 ppm	0.0796 ppm	0.0010 ppm	0.0008 ppm	1.0253 ppm	0.0021 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0784 ppm	0.0009 ppm	0.0023 ppm	1.0332 ppm	0.0012 ppm
Concentration RSD	442.7 %	355.7 %	0.8 %	8.6 %	57.9 %	1.2 %	291.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.4866 ppm	-0.0002 ppm	0.0052 ppm	0.8831 ppm	0.0003 ppm	0.0035 ppm	0.0018 ppm
Concentration per Run 1	1.4911 ppm	-0.0005 ppm	0.0056 ppm	0.8770 ppm	-0.0001 ppm	0.0038 ppm	0.0026 ppm
Concentration per Run 2	1.4934 ppm	-0.0002 ppm	0.0053 ppm	0.8827 ppm	0.0004 ppm	0.0027 ppm	0.0009 ppm
Concentration per Run 3	1.4752 ppm	0.0000 ppm	0.0049 ppm	0.8896 ppm	0.0007 ppm	0.0039 ppm	0.0018 ppm
Concentration RSD	0.7 %	117.1 %	6.2 %	0.7 %	129.8 %	18.6 %	47.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0012 ppm	2.2933 ppm	0.0008 ppm	1.1522 ppm	0.0007 ppm	-0.0015 ppm	0.0017 ppm
Concentration per Run 1	-0.0019 ppm	2.2956 ppm	0.0013 ppm	1.1513 ppm	0.0008 ppm	-0.0017 ppm	0.0017 ppm
Concentration per Run 2	0.0014 ppm	2.2932 ppm	-0.0003 ppm	1.1518 ppm	0.0007 ppm	-0.0007 ppm	0.0017 ppm
Concentration per Run 3	-0.0030 ppm	2.2910 ppm	0.0014 ppm	1.1535 ppm	0.0007 ppm	-0.0022 ppm	0.0017 ppm
Concentration RSD	198.8 %	0.1 %	122.8 %	0.1 %	10.6 %	49.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	103.2714 %	98.2392 %	94.3027 %	106.9950 %	90.6268 %	101.8951 %
Concentration per Run 1	0.0004 ppm	102.8818 %	98.2051 %	94.3429 %	106.6303 %	90.6522 %	101.9061 %
Concentration per Run 2	0.0003 ppm	103.3502 %	97.9121 %	94.3129 %	107.1006 %	90.3948 %	101.6347 %
Concentration per Run 3	0.0003 ppm	103.5822 %	98.6004 %	94.2524 %	107.2541 %	90.8334 %	102.1446 %
Concentration RSD	17.4 %	0.3 %	0.4 %	0.0 %	0.3 %	0.2 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
 Analysis started at: 9/25/2025 00:32:24
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4672 ppm	0.4638 ppm	0.4768 ppm	0.4809 ppm	0.4619 ppm	0.4747 ppm	0.4978 ppm
Concentration per Run 1	0.4678 ppm	0.4639 ppm	0.4784 ppm	0.4815 ppm	0.4647 ppm	0.4780 ppm	0.5098 ppm
Concentration per Run 2	0.4682 ppm	0.4645 ppm	0.4770 ppm	0.4803 ppm	0.4615 ppm	0.4748 ppm	0.4899 ppm
Concentration per Run 3	0.4657 ppm	0.4631 ppm	0.4751 ppm	0.4809 ppm	0.4596 ppm	0.4712 ppm	0.4938 ppm
Recovery Percentage 1	93.446 %	92.769 %	95.370 %	96.181 %	92.386 %	94.933 %	99.568 %
Concentration RSD	0.3 %	0.1 %	0.3 %	0.1 %	0.6 %	0.7 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4973 ppm	0.4845 ppm	0.4977 ppm	0.4848 ppm	0.4764 ppm	4.7868 ppm	0.4801 ppm
Concentration per Run 1	0.4983 ppm	0.4859 ppm	0.4978 ppm	0.4865 ppm	0.4779 ppm	4.8377 ppm	0.4812 ppm
Concentration per Run 2	0.4961 ppm	0.4833 ppm	0.4987 ppm	0.4843 ppm	0.4768 ppm	4.7843 ppm	0.4809 ppm
Concentration per Run 3	0.4975 ppm	0.4844 ppm	0.4966 ppm	0.4837 ppm	0.4744 ppm	4.7385 ppm	0.4782 ppm
Recovery Percentage 1	99.463 %	96.908 %	99.540 %	96.961 %	95.276 %	95.736 %	96.021 %
Concentration RSD	0.2 %	0.3 %	0.2 %	0.3 %	0.4 %	1.0 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5054 ppm	0.4738 ppm	0.4885 ppm	9.1885 ppm	0.5034 ppm	0.5123 ppm	0.4971 ppm
Concentration per Run 1	0.5075 ppm	0.4772 ppm	0.4896 ppm	9.2302 ppm	0.5042 ppm	0.5143 ppm	0.4957 ppm
Concentration per Run 2	0.5062 ppm	0.4730 ppm	0.4880 ppm	9.1926 ppm	0.5023 ppm	0.5092 ppm	0.4967 ppm
Concentration per Run 3	0.5026 ppm	0.4713 ppm	0.4878 ppm	9.1427 ppm	0.5038 ppm	0.5133 ppm	0.4989 ppm
Recovery Percentage 1	101.087 %	94.765 %	97.693 %	91.885 %	100.686 %	102.456 %	99.424 %
Concentration RSD	0.5 %	0.6 %	0.2 %	0.5 %	0.2 %	0.5 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4938 ppm	5.4872 ppm	0.4859 ppm	0.4684 ppm	0.4922 ppm	0.5049 ppm	0.4986 ppm
Concentration per Run 1	0.4940 ppm	5.4948 ppm	0.4861 ppm	0.4710 ppm	0.4937 ppm	0.5062 ppm	0.4996 ppm
Concentration per Run 2	0.4943 ppm	5.4810 ppm	0.4846 ppm	0.4682 ppm	0.4920 ppm	0.5044 ppm	0.4991 ppm
Concentration per Run 3	0.4931 ppm	5.4858 ppm	0.4869 ppm	0.4660 ppm	0.4907 ppm	0.5041 ppm	0.4972 ppm
Recovery Percentage 1	98.758 %	104.518 %	97.171 %	93.687 %	98.432 %	100.980 %	99.722 %
Concentration RSD	0.1 %	0.1 %	0.2 %	0.5 %	0.3 %	0.2 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5059 ppm	104.5970 %	102.8865 %	100.1372 %	107.6798 %	102.3156 %	106.7111 %
Concentration per Run 1	0.5069 ppm	104.3688 %	102.7450 %	100.2427 %	107.1479 %	102.1893 %	106.4959 %
Concentration per Run 2	0.5047 ppm	104.6783 %	102.7801 %	100.1333 %	107.7999 %	102.5440 %	106.6341 %
Concentration per Run 3	0.5061 ppm	104.7440 %	103.1346 %	100.0356 %	108.0917 %	102.2134 %	107.0033 %
Recovery Percentage 1	101.180 %						
Concentration RSD	0.2 %	0.2 %	0.2 %	0.1 %	0.4 %	0.2 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
 Analysis started at: 9/25/2025 00:36:40
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0012 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run 1	-0.0002 ppm	-0.0035 ppm	0.0009 ppm	0.0011 ppm	-0.0001 ppm	0.0001 ppm	-0.0040 ppm
Concentration per Run 2	0.0001 ppm	-0.0031 ppm	-0.0007 ppm	0.0012 ppm	-0.0001 ppm	0.0000 ppm	-0.0028 ppm
Concentration per Run 3	-0.0002 ppm	0.0064 ppm	-0.0013 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0059 ppm
Recovery Percentage 1	-1.805 %	-0.040 %	-7.293 %	3.979 %	-0.079 %	1.065 %	-0.307 %
Concentration RSD	163.0 %	14,182.8 %	312.8 %	6.5 %	1,335.2 %	71.7 %	1,755.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0004 ppm	0.0033 ppm	-0.0044 ppm	-0.0007 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	-0.0004 ppm	0.0014 ppm	-0.0217 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0003 ppm	0.0052 ppm	-0.0047 ppm	-0.0016 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0006 ppm	0.0034 ppm	0.0133 ppm	-0.0010 ppm
Recovery Percentage 1	-1.313 %	0.619 %	-1.230 %	-4.170 %	6.674 %	-0.174 %	-7.423 %
Concentration RSD	91.3 %	95.0 %	247.9 %	40.2 %	56.1 %	401.4 %	138.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0038 ppm	-0.0002 ppm	0.0004 ppm	0.0423 ppm	0.0003 ppm	-0.0006 ppm	0.0011 ppm
Concentration per Run 1	0.0037 ppm	-0.0005 ppm	0.0003 ppm	0.0447 ppm	0.0004 ppm	-0.0006 ppm	0.0021 ppm
Concentration per Run 2	0.0040 ppm	0.0001 ppm	0.0003 ppm	0.0454 ppm	0.0003 ppm	-0.0007 ppm	0.0011 ppm
Concentration per Run 3	0.0036 ppm	0.0000 ppm	0.0004 ppm	0.0366 ppm	0.0002 ppm	-0.0004 ppm	0.0000 ppm
Recovery Percentage 1	3.770 %	-1.521 %	0.711 %	2.113 %	1.217 %	-5.706 %	2.176 %
Concentration RSD	5.8 %	193.8 %	5.4 %	11.6 %	27.9 %	20.6 %	100.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0010 ppm	0.0014 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run 1	0.0017 ppm	0.0019 ppm	-0.0005 ppm	0.0002 ppm	0.0003 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run 2	-0.0019 ppm	0.0008 ppm	0.0012 ppm	0.0001 ppm	0.0003 ppm	-0.0005 ppm	0.0001 ppm
Concentration per Run 3	-0.0028 ppm	0.0014 ppm	-0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0024 ppm	-0.0002 ppm
Recovery Percentage 1	-10.251 %	0.277 %	0.182 %	1.800 %	2.129 %	4.732 %	-0.188 %
Concentration RSD	235.8 %	41.0 %	1,027.2 %	41.0 %	36.3 %	154.0 %	874.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	106.7445 %	104.3779 %	100.8451 %	108.0104 %	104.5411 %	106.8830 %
Concentration per Run 1	0.0001 ppm	113.3632 %	104.7802 %	100.8044 %	114.8267 %	104.5472 %	107.2556 %
Concentration per Run 2	0.0002 ppm	101.6610 %	104.2599 %	101.2277 %	102.1573 %	104.7180 %	106.7938 %
Concentration per Run 3	0.0000 ppm	105.2093 %	104.0935 %	100.5033 %	107.0472 %	104.3582 %	106.5996 %
Recovery Percentage 1	2.895 %						
Concentration RSD	70.8 %	5.6 %	0.3 %	0.4 %	5.9 %	0.2 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
 Analysis started at: 9/25/2025 00:41:13
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4666 ppm	0.4601 ppm	0.4733 ppm	0.4797 ppm	0.4628 ppm	0.4747 ppm	0.4716 ppm
Concentration per Run 1	0.4675 ppm	0.4692 ppm	0.4719 ppm	0.4804 ppm	0.4640 ppm	0.4755 ppm	0.4778 ppm
Concentration per Run 2	0.4644 ppm	0.4551 ppm	0.4745 ppm	0.4792 ppm	0.4620 ppm	0.4747 ppm	0.4657 ppm
Concentration per Run 3	0.4679 ppm	0.4560 ppm	0.4735 ppm	0.4795 ppm	0.4624 ppm	0.4740 ppm	0.4714 ppm
Recovery Percentage 1	93.318 %	92.014 %	94.664 %	95.941 %	92.561 %	94.941 %	94.322 %
Concentration RSD	0.4 %	1.7 %	0.3 %	0.1 %	0.2 %	0.2 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4960 ppm	0.4841 ppm	0.4959 ppm	0.4861 ppm	0.4730 ppm	4.7684 ppm	0.4799 ppm
Concentration per Run 1	0.4961 ppm	0.4838 ppm	0.4953 ppm	0.4857 ppm	0.4749 ppm	4.7606 ppm	0.4809 ppm
Concentration per Run 2	0.4957 ppm	0.4837 ppm	0.4951 ppm	0.4850 ppm	0.4736 ppm	4.7580 ppm	0.4785 ppm
Concentration per Run 3	0.4961 ppm	0.4848 ppm	0.4973 ppm	0.4875 ppm	0.4706 ppm	4.7865 ppm	0.4804 ppm
Recovery Percentage 1	99.193 %	96.820 %	99.187 %	97.214 %	94.604 %	95.368 %	95.984 %
Concentration RSD	0.0 %	0.1 %	0.2 %	0.3 %	0.5 %	0.3 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5007 ppm	0.4725 ppm	0.4888 ppm	9.2237 ppm	0.4986 ppm	0.5113 ppm	0.4972 ppm
Concentration per Run 1	0.5002 ppm	0.4731 ppm	0.4887 ppm	9.2385 ppm	0.4987 ppm	0.5107 ppm	0.4997 ppm
Concentration per Run 2	0.5020 ppm	0.4735 ppm	0.4878 ppm	9.2034 ppm	0.4985 ppm	0.5106 ppm	0.4947 ppm
Concentration per Run 3	0.4998 ppm	0.4708 ppm	0.4899 ppm	9.2291 ppm	0.4987 ppm	0.5127 ppm	0.4970 ppm
Recovery Percentage 1	100.130 %	94.490 %	97.759 %	92.237 %	99.725 %	102.268 %	99.431 %
Concentration RSD	0.2 %	0.3 %	0.2 %	0.2 %	0.0 %	0.2 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4920 ppm	5.4833 ppm	0.4837 ppm	0.4684 ppm	0.4879 ppm	0.5061 ppm	0.4929 ppm
Concentration per Run 1	0.4899 ppm	5.4847 ppm	0.4841 ppm	0.4698 ppm	0.4881 ppm	0.5064 ppm	0.4939 ppm
Concentration per Run 2	0.4921 ppm	5.4745 ppm	0.4841 ppm	0.4678 ppm	0.4869 ppm	0.5068 ppm	0.4918 ppm
Concentration per Run 3	0.4940 ppm	5.4906 ppm	0.4829 ppm	0.4676 ppm	0.4888 ppm	0.5052 ppm	0.4931 ppm
Recovery Percentage 1	98.399 %	104.443 %	96.742 %	93.678 %	97.589 %	101.220 %	98.583 %
Concentration RSD	0.4 %	0.1 %	0.1 %	0.3 %	0.2 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5023 ppm	105.7638 %	103.3297 %	100.0963 %	107.7331 %	102.1175 %	106.4598 %
Concentration per Run 1	0.5033 ppm	106.1667 %	103.2644 %	100.1156 %	107.7233 %	102.1249 %	106.4243 %
Concentration per Run 2	0.5016 ppm	105.2828 %	103.5947 %	99.9365 %	107.5591 %	102.2398 %	106.6895 %
Concentration per Run 3	0.5019 ppm	105.8421 %	103.1300 %	100.2367 %	107.9171 %	101.9877 %	106.2656 %
Recovery Percentage 1	100.455 %						
Concentration RSD	0.2 %	0.4 %	0.2 %	0.2 %	0.2 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
 Analysis started at: 9/25/2025 00:45:29
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0036 ppm	-0.0013 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run 1	0.0000 ppm	0.0058 ppm	-0.0010 ppm	0.0015 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	0.0053 ppm	-0.0026 ppm	0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0036 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	-0.0005 ppm	0.0016 ppm	0.0000 ppm	0.0001 ppm	-0.0009 ppm
Recovery Percentage 1	0.216 %	3.596 %	-26.377 %	4.267 %	1.344 %	1.169 %	0.884 %
Concentration RSD	437.0 %	94.8 %	83.4 %	39.0 %	116.7 %	20.4 %	274.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0005 ppm	0.0015 ppm	0.0142 ppm	-0.0004 ppm
Concentration per Run 1	-0.0002 ppm	-0.0001 ppm	0.0003 ppm	-0.0005 ppm	0.0023 ppm	0.0020 ppm	-0.0005 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0004 ppm	-0.0002 ppm	0.0248 ppm	-0.0011 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	-0.0004 ppm	-0.0006 ppm	0.0023 ppm	0.0159 ppm	0.0004 ppm
Recovery Percentage 1	-2.534 %	-0.520 %	0.899 %	-4.956 %	2.976 %	0.569 %	-3.926 %
Concentration RSD	48.2 %	212.1 %	434.2 %	21.2 %	95.9 %	80.6 %	199.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0026 ppm	-0.0002 ppm	0.0004 ppm	0.0355 ppm	0.0000 ppm	-0.0001 ppm	0.0010 ppm
Concentration per Run 1	0.0041 ppm	-0.0005 ppm	0.0006 ppm	0.0441 ppm	-0.0004 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run 2	0.0022 ppm	0.0000 ppm	0.0005 ppm	0.0273 ppm	0.0006 ppm	-0.0007 ppm	0.0011 ppm
Concentration per Run 3	0.0014 ppm	0.0000 ppm	0.0002 ppm	0.0351 ppm	-0.0002 ppm	-0.0005 ppm	0.0015 ppm
Recovery Percentage 1	2.558 %	-1.738 %	0.837 %	1.774 %	-0.015 %	-1.123 %	1.947 %
Concentration RSD	54.6 %	169.0 %	37.4 %	23.7 %	13,506.5 %	767.3 %	62.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0011 ppm	0.0016 ppm	0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0019 ppm	0.0006 ppm	0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 2	-0.0023 ppm	0.0013 ppm	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0015 ppm	-0.0002 ppm
Concentration per Run 3	-0.0011 ppm	0.0017 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm
Recovery Percentage 1	-11.342 %	0.320 %	0.595 %	1.712 %	1.602 %	3.524 %	0.288 %
Concentration RSD	103.6 %	17.9 %	80.3 %	20.2 %	82.1 %	118.5 %	753.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	104.6035 %	104.1518 %	100.6415 %	105.0346 %	104.6143 %	106.2342 %
Concentration per Run 1	0.0002 ppm	103.6838 %	104.3064 %	100.7035 %	103.3674 %	104.4094 %	106.3679 %
Concentration per Run 2	0.0000 ppm	105.4297 %	104.2385 %	100.6877 %	105.9511 %	104.6862 %	106.2805 %
Concentration per Run 3	0.0001 ppm	104.6969 %	103.9105 %	100.5331 %	105.7853 %	104.7474 %	106.0541 %
Recovery Percentage 1	1.406 %						
Concentration RSD	120.6 %	0.8 %	0.2 %	0.1 %	1.4 %	0.2 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
 Analysis started at: 9/25/2025 09:04:43
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4614 ppm	0.4563 ppm	0.4774 ppm	0.4782 ppm	0.4552 ppm	0.4756 ppm	0.4556 ppm
Concentration per Run 1	0.4604 ppm	0.4539 ppm	0.4860 ppm	0.4871 ppm	0.4573 ppm	0.4783 ppm	0.4534 ppm
Concentration per Run 2	0.4609 ppm	0.4536 ppm	0.4597 ppm	0.4617 ppm	0.4538 ppm	0.4730 ppm	0.4593 ppm
Concentration per Run 3	0.4628 ppm	0.4613 ppm	0.4865 ppm	0.4858 ppm	0.4546 ppm	0.4755 ppm	0.4540 ppm
Recovery Percentage 1	92.276 %	91.256 %	95.483 %	95.641 %	91.044 %	95.114 %	91.112 %
Concentration RSD	0.3 %	1.0 %	3.2 %	3.0 %	0.4 %	0.6 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5019 ppm	0.4752 ppm	0.5056 ppm	0.4813 ppm	0.4729 ppm	4.7144 ppm	0.4756 ppm
Concentration per Run 1	0.5114 ppm	0.4844 ppm	0.5043 ppm	0.4816 ppm	0.4758 ppm	4.7268 ppm	0.4775 ppm
Concentration per Run 2	0.4834 ppm	0.4580 ppm	0.5051 ppm	0.4813 ppm	0.4709 ppm	4.6899 ppm	0.4745 ppm
Concentration per Run 3	0.5109 ppm	0.4833 ppm	0.5073 ppm	0.4809 ppm	0.4719 ppm	4.7265 ppm	0.4749 ppm
Recovery Percentage 1	100.378 %	95.048 %	101.111 %	96.254 %	94.577 %	94.288 %	95.124 %
Concentration RSD	3.2 %	3.2 %	0.3 %	0.1 %	0.5 %	0.5 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5189 ppm	0.4716 ppm	0.4891 ppm	8.9253 ppm	0.5052 ppm	0.5208 ppm	0.4901 ppm
Concentration per Run 1	0.5188 ppm	0.4734 ppm	0.4979 ppm	8.9630 ppm	0.5154 ppm	0.5304 ppm	0.4986 ppm
Concentration per Run 2	0.5202 ppm	0.4693 ppm	0.4715 ppm	8.9047 ppm	0.4876 ppm	0.5032 ppm	0.4723 ppm
Concentration per Run 3	0.5177 ppm	0.4721 ppm	0.4978 ppm	8.9082 ppm	0.5126 ppm	0.5288 ppm	0.4994 ppm
Recovery Percentage 1	103.784 %	94.325 %	97.811 %	89.253 %	101.035 %	104.160 %	98.019 %
Concentration RSD	0.2 %	0.4 %	3.1 %	0.4 %	3.0 %	2.9 %	3.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.5017 ppm	5.5609 ppm	0.4816 ppm	0.4646 ppm	0.5027 ppm	0.5018 ppm	0.5060 ppm
Concentration per Run 1	0.5100 ppm	5.6625 ppm	0.4920 ppm	0.4668 ppm	0.5022 ppm	0.5100 ppm	0.5056 ppm
Concentration per Run 2	0.4827 ppm	5.3642 ppm	0.4635 ppm	0.4625 ppm	0.5020 ppm	0.4842 ppm	0.5054 ppm
Concentration per Run 3	0.5125 ppm	5.6558 ppm	0.4893 ppm	0.4643 ppm	0.5038 ppm	0.5113 ppm	0.5071 ppm
Recovery Percentage 1	100.345 %	105.921 %	96.316 %	92.911 %	100.532 %	100.367 %	101.206 %
Concentration RSD	3.3 %	3.1 %	3.3 %	0.5 %	0.2 %	3.0 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5130 ppm	104.0094 %	102.6522 %	98.4063 %	108.5058 %	102.9961 %	108.4906 %
Concentration per Run 1	0.5223 ppm	104.1550 %	103.0708 %	97.1565 %	107.6873 %	101.3755 %	108.8794 %
Concentration per Run 2	0.4953 ppm	104.3078 %	102.8172 %	101.1214 %	109.0517 %	106.4165 %	108.6584 %
Concentration per Run 3	0.5215 ppm	103.5655 %	102.0688 %	96.9409 %	108.7786 %	101.1963 %	107.9339 %
Recovery Percentage 1	102.602 %						
Concentration RSD	3.0 %	0.4 %	0.5 %	2.4 %	0.7 %	2.9 %	0.5 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
 Analysis started at: 9/25/2025 09:08:59
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0029 ppm	-0.0007 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	0.0001 ppm	0.0037 ppm	-0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0081 ppm
Concentration per Run 2	0.0000 ppm	-0.0030 ppm	-0.0005 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	-0.0094 ppm	-0.0013 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0081 ppm
Recovery Percentage 1	0.746 %	-2.873 %	-13.476 %	0.870 %	-0.120 %	0.756 %	0.001 %
Concentration RSD	54.4 %	227.8 %	86.3 %	8.2 %	406.9 %	37.7 %	634,053.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	-0.0001 ppm	-0.0009 ppm	0.0020 ppm	0.0288 ppm	-0.0009 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0009 ppm	0.0020 ppm	0.0228 ppm	-0.0013 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0009 ppm	0.0007 ppm	0.0286 ppm	-0.0007 ppm
Concentration per Run 3	-0.0001 ppm	0.0004 ppm	-0.0002 ppm	-0.0009 ppm	0.0034 ppm	0.0350 ppm	-0.0008 ppm
Recovery Percentage 1	-2.800 %	1.760 %	-0.895 %	-8.905 %	4.067 %	1.152 %	-9.326 %
Concentration RSD	9.5 %	112.3 %	151.1 %	4.8 %	65.1 %	21.2 %	35.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0027 ppm	-0.0001 ppm	0.0004 ppm	0.0320 ppm	-0.0002 ppm	-0.0001 ppm	0.0008 ppm
Concentration per Run 1	0.0011 ppm	0.0001 ppm	0.0005 ppm	0.0319 ppm	-0.0002 ppm	0.0003 ppm	-0.0012 ppm
Concentration per Run 2	0.0046 ppm	0.0002 ppm	0.0005 ppm	0.0270 ppm	-0.0003 ppm	0.0000 ppm	0.0023 ppm
Concentration per Run 3	0.0024 ppm	-0.0005 ppm	0.0002 ppm	0.0370 ppm	-0.0002 ppm	-0.0005 ppm	0.0012 ppm
Recovery Percentage 1	2.705 %	-0.673 %	0.752 %	1.598 %	-0.797 %	-0.690 %	1.526 %
Concentration RSD	64.8 %	542.3 %	50.1 %	15.5 %	22.9 %	625.0 %	238.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0013 ppm	0.0013 ppm	0.0004 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run 1	-0.0016 ppm	0.0017 ppm	0.0008 ppm	0.0003 ppm	0.0005 ppm	0.0004 ppm	-0.0003 ppm
Concentration per Run 2	0.0005 ppm	0.0012 ppm	0.0007 ppm	0.0003 ppm	-0.0001 ppm	-0.0013 ppm	-0.0001 ppm
Concentration per Run 3	-0.0028 ppm	0.0009 ppm	-0.0003 ppm	0.0004 ppm	0.0001 ppm	0.0012 ppm	-0.0002 ppm
Recovery Percentage 1	-13.299 %	0.251 %	0.750 %	2.968 %	1.915 %	0.464 %	-2.058 %
Concentration RSD	126.1 %	33.3 %	161.7 %	22.3 %	162.1 %	1,392.8 %	29.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	103.4870 %	103.5611 %	98.3318 %	106.7410 %	104.2093 %	108.0195 %
Concentration per Run 1	0.0003 ppm	102.5505 %	103.7539 %	98.4865 %	105.1579 %	104.1890 %	108.0402 %
Concentration per Run 2	0.0003 ppm	104.0472 %	103.6321 %	98.4780 %	107.7472 %	104.2427 %	108.1936 %
Concentration per Run 3	0.0002 ppm	103.8632 %	103.2972 %	98.0307 %	107.3180 %	104.1961 %	107.8247 %
Recovery Percentage 1	4.634 %						
Concentration RSD	25.8 %	0.8 %	0.2 %	0.3 %	1.3 %	0.0 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118563-1 WG2118563
 Analysis started at: 9/25/2025 10:09:54
 Comments: <Comment>
 Rack: 1
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0052 ppm	0.0001 ppm	0.0007 ppm	0.0002 ppm	0.0002 ppm	0.0150 ppm
Concentration per Run 1	0.0003 ppm	0.0039 ppm	0.0006 ppm	0.0009 ppm	0.0001 ppm	0.0003 ppm	0.0175 ppm
Concentration per Run 2	0.0005 ppm	0.0070 ppm	0.0003 ppm	0.0004 ppm	0.0002 ppm	0.0002 ppm	0.0172 ppm
Concentration per Run 3	-0.0006 ppm	0.0048 ppm	-0.0007 ppm	0.0008 ppm	0.0002 ppm	0.0002 ppm	0.0104 ppm
Recovery Percentage 1	1.304 %	5.238 %	1.148 %	2.339 %	1.613 %	4.507 %	15.016 %
Concentration RSD	874.2 %	30.4 %	1,183.8 %	33.9 %	31.2 %	20.6 %	26.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0007 ppm	0.0000 ppm	0.0005 ppm	0.0001 ppm	0.0456 ppm	0.0428 ppm	-0.0004 ppm
Concentration per Run 1	0.0007 ppm	0.0000 ppm	0.0006 ppm	0.0001 ppm	0.0448 ppm	0.0612 ppm	-0.0004 ppm
Concentration per Run 2	0.0007 ppm	0.0002 ppm	0.0005 ppm	0.0002 ppm	0.0456 ppm	0.0300 ppm	-0.0009 ppm
Concentration per Run 3	0.0007 ppm	-0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0465 ppm	0.0371 ppm	0.0000 ppm
Recovery Percentage 1	17.404 %	0.426 %	5.452 %	1.102 %	91.294 %	1.711 %	-4.419 %
Concentration RSD	5.1 %	412.4 %	8.1 %	74.2 %	1.8 %	38.1 %	96.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0076 ppm	0.0006 ppm	0.0001 ppm	0.0463 ppm	-0.0002 ppm	-0.0002 ppm	0.0022 ppm
Concentration per Run 1	0.0079 ppm	0.0008 ppm	0.0002 ppm	0.0466 ppm	0.0000 ppm	-0.0002 ppm	0.0019 ppm
Concentration per Run 2	0.0071 ppm	0.0007 ppm	0.0001 ppm	0.0513 ppm	0.0000 ppm	0.0000 ppm	0.0031 ppm
Concentration per Run 3	0.0079 ppm	0.0002 ppm	0.0001 ppm	0.0412 ppm	-0.0006 ppm	-0.0003 ppm	0.0017 ppm
Recovery Percentage 1	7.633 %	5.724 %	0.262 %	2.317 %	-0.784 %	-1.755 %	4.436 %
Concentration RSD	6.3 %	58.5 %	56.1 %	11.0 %	198.9 %	102.8 %	34.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.0183 ppm	0.0087 ppm	0.0003 ppm	0.0003 ppm	0.0010 ppm	0.0002 ppm
Concentration per Run 1	0.0022 ppm	0.0186 ppm	0.0084 ppm	0.0003 ppm	0.0005 ppm	0.0014 ppm	0.0001 ppm
Concentration per Run 2	-0.0018 ppm	0.0181 ppm	0.0090 ppm	0.0003 ppm	0.0003 ppm	0.0005 ppm	0.0004 ppm
Concentration per Run 3	-0.0003 ppm	0.0182 ppm	0.0088 ppm	0.0003 ppm	0.0003 ppm	0.0011 ppm	0.0000 ppm
Recovery Percentage 1	0.488 %	3.663 %	17.458 %	3.291 %	3.457 %	5.023 %	1.813 %
Concentration RSD	4,170.1 %	1.6 %	3.3 %	5.2 %	33.7 %	48.7 %	123.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0022 ppm	103.6636 %	102.6462 %	97.2513 %	109.2710 %	100.6160 %	108.5755 %
Concentration per Run 1	0.0021 ppm	103.4351 %	102.2836 %	97.1965 %	108.9807 %	100.3838 %	108.2701 %
Concentration per Run 2	0.0023 ppm	103.4966 %	103.0880 %	97.4446 %	109.0979 %	100.4533 %	108.9417 %
Concentration per Run 3	0.0023 ppm	104.0591 %	102.5670 %	97.1128 %	109.7342 %	101.0107 %	108.5147 %
Recovery Percentage 1	44.762 %						
Concentration RSD	4.2 %	0.3 %	0.4 %	0.2 %	0.4 %	0.3 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118563-2D2 WG2118563
 Analysis started at: 9/25/2025 10:27:14
 Comments: <Comment>
 Rack: 1
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0483 ppm	1.9761 ppm	0.1252 ppm	1.0158 ppm	1.9102 ppm	0.0497 ppm	9.4886 ppm
Concentration per Run 1	0.0480 ppm	2.0132 ppm	0.1276 ppm	1.0153 ppm	1.9388 ppm	0.0505 ppm	9.6271 ppm
Concentration per Run 2	0.0486 ppm	1.9530 ppm	0.1240 ppm	1.0161 ppm	1.8944 ppm	0.0492 ppm	9.3994 ppm
Concentration per Run 3	0.0482 ppm	1.9621 ppm	0.1242 ppm	1.0161 ppm	1.8973 ppm	0.0494 ppm	9.4392 ppm
Concentration RSD	0.6 %	1.6 %	1.6 %	0.0 %	1.3 %	1.4 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0559 ppm	0.4902 ppm	0.2053 ppm	0.2470 ppm	1.0045 ppm	9.7346 ppm	-0.0011 ppm
Concentration per Run 1	0.0560 ppm	0.4906 ppm	0.2043 ppm	0.2471 ppm	1.0202 ppm	9.8802 ppm	-0.0008 ppm
Concentration per Run 2	0.0558 ppm	0.4897 ppm	0.2064 ppm	0.2465 ppm	0.9983 ppm	9.6452 ppm	-0.0015 ppm
Concentration per Run 3	0.0558 ppm	0.4903 ppm	0.2052 ppm	0.2473 ppm	0.9950 ppm	9.6784 ppm	-0.0009 ppm
Concentration RSD	0.2 %	0.1 %	0.5 %	0.2 %	1.4 %	1.3 %	34.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.4139 ppm	0.4846 ppm	1.0330 ppm	9.4241 ppm	0.5264 ppm	0.5697 ppm	0.5103 ppm
Concentration per Run 1	10.4169 ppm	0.4917 ppm	1.0329 ppm	9.5607 ppm	0.5266 ppm	0.5703 ppm	0.5088 ppm
Concentration per Run 2	10.4306 ppm	0.4799 ppm	1.0330 ppm	9.3483 ppm	0.5273 ppm	0.5684 ppm	0.5125 ppm
Concentration per Run 3	10.3942 ppm	0.4821 ppm	1.0332 ppm	9.3631 ppm	0.5252 ppm	0.5704 ppm	0.5096 ppm
Concentration RSD	0.2 %	1.3 %	0.0 %	1.3 %	0.2 %	0.2 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1244 ppm	1.2807 ppm	0.9982 ppm	0.9459 ppm	1.0311 ppm	0.1242 ppm	0.5231 ppm
Concentration per Run 1	0.1263 ppm	1.2809 ppm	1.0012 ppm	0.9606 ppm	1.0302 ppm	0.1244 ppm	0.5225 ppm
Concentration per Run 2	0.1241 ppm	1.2817 ppm	0.9970 ppm	0.9379 ppm	1.0310 ppm	0.1238 ppm	0.5238 ppm
Concentration per Run 3	0.1229 ppm	1.2794 ppm	0.9965 ppm	0.9392 ppm	1.0322 ppm	0.1243 ppm	0.5229 ppm
Concentration RSD	1.4 %	0.1 %	0.3 %	1.3 %	0.1 %	0.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5326 ppm	102.2987 %	100.9157 %	96.5288 %	107.2617 %	98.8204 %	106.6504 %
Concentration per Run 1	0.5336 ppm	101.2794 %	100.6863 %	96.5132 %	105.8781 %	98.9339 %	106.4637 %
Concentration per Run 2	0.5318 ppm	103.4163 %	100.7881 %	96.4314 %	108.4565 %	98.7565 %	106.4619 %
Concentration per Run 3	0.5325 ppm	102.2003 %	101.2727 %	96.6419 %	107.4504 %	98.7708 %	107.0256 %
Concentration RSD	0.2 %	1.0 %	0.3 %	0.1 %	1.2 %	0.1 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558074-01D2 WG2118563
 Analysis started at: 9/25/2025 10:31:26
 Comments: <Comment>
 Rack: 1
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0008 ppm	59.7753 ppm	2.9054 ppm	0.0091 ppm	0.2008 ppm	0.0026 ppm	10.3658 ppm
Concentration per Run 1	-0.0007 ppm	59.5942 ppm	2.9032 ppm	0.0087 ppm	0.2000 ppm	0.0026 ppm	10.3290 ppm
Concentration per Run 2	-0.0007 ppm	59.8410 ppm	2.9138 ppm	0.0098 ppm	0.2009 ppm	0.0027 ppm	10.3701 ppm
Concentration per Run 3	-0.0011 ppm	59.8908 ppm	2.8991 ppm	0.0089 ppm	0.2014 ppm	0.0026 ppm	10.3983 ppm
Concentration RSD	26.8 %	0.3 %	0.3 %	6.4 %	0.4 %	2.2 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0014 ppm	0.1230 ppm	0.1034 ppm	0.0984 ppm	263.7074 ppm	6.9601 ppm	0.1290 ppm
Concentration per Run 1	-0.0015 ppm	0.1233 ppm	0.1030 ppm	0.0983 ppm	262.9827 ppm	6.9653 ppm	0.1291 ppm
Concentration per Run 2	-0.0014 ppm	0.1231 ppm	0.1032 ppm	0.0978 ppm	263.6339 ppm	6.9452 ppm	0.1291 ppm
Concentration per Run 3	-0.0015 ppm	0.1226 ppm	0.1039 ppm	0.0990 ppm	264.5056 ppm	6.9699 ppm	0.1289 ppm
Concentration RSD	3.8 %	0.3 %	0.4 %	0.6 %	0.3 %	0.2 %	0.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	18.4603 ppm	3.9030 ppm	0.0105 ppm	0.6694 ppm	0.1089 ppm	0.1092 ppm	0.0031 ppm
Concentration per Run 1	18.4141 ppm	3.8910 ppm	0.0108 ppm	0.6616 ppm	0.1088 ppm	0.1096 ppm	0.0043 ppm
Concentration per Run 2	18.4209 ppm	3.9102 ppm	0.0104 ppm	0.6717 ppm	0.1094 ppm	0.1093 ppm	0.0037 ppm
Concentration per Run 3	18.5459 ppm	3.9077 ppm	0.0102 ppm	0.6748 ppm	0.1084 ppm	0.1086 ppm	0.0012 ppm
Concentration RSD	0.4 %	0.3 %	2.6 %	1.0 %	0.5 %	0.4 %	54.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0032 ppm	7.2475 ppm	0.0113 ppm	0.0921 ppm	2.1719 ppm	0.0001 ppm	0.0965 ppm
Concentration per Run 1	0.0024 ppm	7.2167 ppm	0.0122 ppm	0.0918 ppm	2.1682 ppm	-0.0002 ppm	0.0968 ppm
Concentration per Run 2	0.0080 ppm	7.2460 ppm	0.0107 ppm	0.0922 ppm	2.1649 ppm	0.0005 ppm	0.0963 ppm
Concentration per Run 3	-0.0008 ppm	7.2799 ppm	0.0110 ppm	0.0923 ppm	2.1825 ppm	-0.0001 ppm	0.0965 ppm
Concentration RSD	139.6 %	0.4 %	6.8 %	0.3 %	0.4 %	616.0 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3390 ppm	117.0293 %	109.5317 %	103.2918 %	112.3788 %	93.3810 %	105.9034 %
Concentration per Run 1	0.3397 ppm	117.5583 %	109.6931 %	103.4165 %	112.9542 %	93.3986 %	106.0063 %
Concentration per Run 2	0.3396 ppm	116.8571 %	109.9357 %	103.2759 %	112.0652 %	93.3946 %	106.2580 %
Concentration per Run 3	0.3377 ppm	116.6724 %	108.9662 %	103.1831 %	112.1171 %	93.3498 %	105.4461 %
Concentration RSD	0.3 %	0.4 %	0.5 %	0.1 %	0.4 %	0.0 %	0.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118563-3D2 WG2118563
 Analysis started at: 9/25/2025 10:35:51
 Comments: <Comment>
 Rack: 1
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0434 ppm	56.9234 ppm	2.1850 ppm	1.0129 ppm	2.0402 ppm	0.0508 ppm	18.2167 ppm
Concentration per Run 1	0.0432 ppm	56.8004 ppm	2.1881 ppm	1.0142 ppm	2.0370 ppm	0.0507 ppm	18.1487 ppm
Concentration per Run 2	0.0437 ppm	57.0018 ppm	2.1830 ppm	1.0130 ppm	2.0429 ppm	0.0510 ppm	18.2402 ppm
Concentration per Run 3	0.0434 ppm	56.9679 ppm	2.1839 ppm	1.0114 ppm	2.0407 ppm	0.0508 ppm	18.2612 ppm
Concentration RSD	0.6 %	0.2 %	0.1 %	0.1 %	0.1 %	0.3 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0557 ppm	0.5935 ppm	0.2803 ppm	0.3185 ppm	207.2262 ppm	15.5061 ppm	0.1227 ppm
Concentration per Run 1	0.0559 ppm	0.5947 ppm	0.2806 ppm	0.3186 ppm	205.0579 ppm	15.4974 ppm	0.1237 ppm
Concentration per Run 2	0.0556 ppm	0.5932 ppm	0.2804 ppm	0.3180 ppm	208.4924 ppm	15.5179 ppm	0.1227 ppm
Concentration per Run 3	0.0557 ppm	0.5926 ppm	0.2797 ppm	0.3189 ppm	208.1283 ppm	15.5032 ppm	0.1217 ppm
Concentration RSD	0.3 %	0.2 %	0.2 %	0.1 %	0.9 %	0.1 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	26.8003 ppm	3.6782 ppm	1.0441 ppm	9.6273 ppm	0.6306 ppm	0.6465 ppm	0.2777 ppm
Concentration per Run 1	26.7865 ppm	3.6705 ppm	1.0461 ppm	9.5992 ppm	0.6316 ppm	0.6484 ppm	0.2770 ppm
Concentration per Run 2	26.8236 ppm	3.6811 ppm	1.0431 ppm	9.6408 ppm	0.6299 ppm	0.6478 ppm	0.2787 ppm
Concentration per Run 3	26.7908 ppm	3.6830 ppm	1.0430 ppm	9.6418 ppm	0.6304 ppm	0.6433 ppm	0.2773 ppm
Concentration RSD	0.1 %	0.2 %	0.2 %	0.3 %	0.1 %	0.4 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1177 ppm	10.3761 ppm	0.9828 ppm	0.9872 ppm	2.9201 ppm	0.1207 ppm	0.5619 ppm
Concentration per Run 1	0.1165 ppm	10.3614 ppm	0.9840 ppm	0.9855 ppm	2.9206 ppm	0.1185 ppm	0.5622 ppm
Concentration per Run 2	0.1207 ppm	10.3741 ppm	0.9821 ppm	0.9881 ppm	2.9206 ppm	0.1215 ppm	0.5615 ppm
Concentration per Run 3	0.1159 ppm	10.3928 ppm	0.9824 ppm	0.9879 ppm	2.9191 ppm	0.1220 ppm	0.5621 ppm
Concentration RSD	2.2 %	0.2 %	0.1 %	0.1 %	0.0 %	1.6 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.8344 ppm	114.4462 %	108.2814 %	102.3974 %	111.3730 %	93.4631 %	105.7916 %
Concentration per Run 1	0.8351 ppm	114.8949 %	108.4631 %	102.2755 %	111.8810 %	93.2704 %	105.9052 %
Concentration per Run 2	0.8347 ppm	114.5642 %	108.0789 %	102.5939 %	111.4737 %	93.5168 %	105.6639 %
Concentration per Run 3	0.8333 ppm	113.8794 %	108.3022 %	102.3229 %	110.7643 %	93.6021 %	105.8056 %
Concentration RSD	0.1 %	0.5 %	0.2 %	0.2 %	0.5 %	0.2 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118563-4D2 WG2118563
 Analysis started at: 9/25/2025 10:40:12
 Comments: <Comment>
 Rack: 1
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0008 ppm	54.6092 ppm	1.8531 ppm	0.0067 ppm	0.1778 ppm	0.0024 ppm	9.0631 ppm
Concentration per Run 1	-0.0008 ppm	54.5110 ppm	1.8575 ppm	0.0069 ppm	0.1772 ppm	0.0024 ppm	9.0380 ppm
Concentration per Run 2	-0.0007 ppm	54.7216 ppm	1.8514 ppm	0.0065 ppm	0.1781 ppm	0.0024 ppm	9.1022 ppm
Concentration per Run 3	-0.0008 ppm	54.5951 ppm	1.8505 ppm	0.0067 ppm	0.1782 ppm	0.0024 ppm	9.0490 ppm
Concentration RSD	10.3 %	0.2 %	0.2 %	3.5 %	0.3 %	1.3 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0011 ppm	0.0956 ppm	0.0947 ppm	0.0890 ppm	194.7626 ppm	6.3266 ppm	0.1222 ppm
Concentration per Run 1	-0.0011 ppm	0.0958 ppm	0.0946 ppm	0.0887 ppm	194.4690 ppm	6.3158 ppm	0.1210 ppm
Concentration per Run 2	-0.0011 ppm	0.0955 ppm	0.0944 ppm	0.0890 ppm	194.8050 ppm	6.3161 ppm	0.1214 ppm
Concentration per Run 3	-0.0011 ppm	0.0955 ppm	0.0950 ppm	0.0892 ppm	195.0138 ppm	6.3478 ppm	0.1242 ppm
Concentration RSD	2.5 %	0.2 %	0.3 %	0.3 %	0.1 %	0.3 %	1.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	17.5450 ppm	3.0405 ppm	0.0069 ppm	0.5676 ppm	0.0974 ppm	0.0831 ppm	0.0038 ppm
Concentration per Run 1	17.5013 ppm	3.0341 ppm	0.0072 ppm	0.5612 ppm	0.0978 ppm	0.0842 ppm	0.0049 ppm
Concentration per Run 2	17.5227 ppm	3.0503 ppm	0.0067 ppm	0.5673 ppm	0.0971 ppm	0.0820 ppm	0.0032 ppm
Concentration per Run 3	17.6109 ppm	3.0371 ppm	0.0068 ppm	0.5742 ppm	0.0972 ppm	0.0830 ppm	0.0033 ppm
Concentration RSD	0.3 %	0.3 %	3.6 %	1.1 %	0.4 %	1.3 %	25.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	6.3363 ppm	0.0091 ppm	0.0761 ppm	2.0171 ppm	0.0004 ppm	0.0879 ppm
Concentration per Run 1	0.0000 ppm	6.3366 ppm	0.0088 ppm	0.0758 ppm	2.0141 ppm	0.0003 ppm	0.0878 ppm
Concentration per Run 2	-0.0027 ppm	6.3299 ppm	0.0086 ppm	0.0762 ppm	2.0142 ppm	0.0011 ppm	0.0879 ppm
Concentration per Run 3	0.0055 ppm	6.3423 ppm	0.0099 ppm	0.0763 ppm	2.0229 ppm	-0.0002 ppm	0.0880 ppm
Concentration RSD	454.0 %	0.1 %	7.3 %	0.3 %	0.2 %	164.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2914 ppm	115.7701 %	109.9540 %	103.6584 %	112.4769 %	94.6094 %	107.3525 %
Concentration per Run 1	0.2919 ppm	115.8670 %	110.1482 %	103.8330 %	112.6912 %	94.7510 %	107.5055 %
Concentration per Run 2	0.2910 ppm	115.5344 %	110.1023 %	103.5235 %	112.2355 %	94.5149 %	107.5018 %
Concentration per Run 3	0.2915 ppm	115.9089 %	109.6117 %	103.6188 %	112.5040 %	94.5622 %	107.0503 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.2 %	0.2 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118563-5D2 WG2118563
 Analysis started at: 9/25/2025 10:44:38
 Comments: <Comment>
 Rack: 1
 Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0396 ppm	59.5535 ppm	2.9505 ppm	0.9758 ppm	1.8808 ppm	0.0464 ppm	18.2291 ppm
Concentration per Run 1	0.0399 ppm	59.3593 ppm	2.9621 ppm	0.9770 ppm	1.8762 ppm	0.0463 ppm	18.1506 ppm
Concentration per Run 2	0.0393 ppm	59.6622 ppm	2.9479 ppm	0.9742 ppm	1.8840 ppm	0.0464 ppm	18.2791 ppm
Concentration per Run 3	0.0396 ppm	59.6391 ppm	2.9414 ppm	0.9762 ppm	1.8821 ppm	0.0464 ppm	18.2575 ppm
Concentration RSD	0.8 %	0.3 %	0.4 %	0.1 %	0.2 %	0.1 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0509 ppm	0.5680 ppm	0.2691 ppm	0.3044 ppm	255.9198 ppm	15.7774 ppm	0.1259 ppm
Concentration per Run 1	0.0513 ppm	0.5687 ppm	0.2702 ppm	0.3040 ppm	251.6932 ppm	15.7252 ppm	0.1248 ppm
Concentration per Run 2	0.0509 ppm	0.5683 ppm	0.2682 ppm	0.3037 ppm	256.1806 ppm	15.7883 ppm	0.1260 ppm
Concentration per Run 3	0.0506 ppm	0.5670 ppm	0.2689 ppm	0.3057 ppm	259.8856 ppm	15.8188 ppm	0.1269 ppm
Concentration RSD	0.7 %	0.2 %	0.4 %	0.4 %	1.6 %	0.3 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	26.8318 ppm	4.1914 ppm	1.0057 ppm	9.2072 ppm	0.5893 ppm	0.6282 ppm	0.4757 ppm
Concentration per Run 1	26.9086 ppm	4.1765 ppm	1.0080 ppm	9.1811 ppm	0.5918 ppm	0.6312 ppm	0.4738 ppm
Concentration per Run 2	26.7802 ppm	4.2044 ppm	1.0052 ppm	9.2275 ppm	0.5884 ppm	0.6285 ppm	0.4777 ppm
Concentration per Run 3	26.8068 ppm	4.1933 ppm	1.0038 ppm	9.2130 ppm	0.5876 ppm	0.6250 ppm	0.4757 ppm
Concentration RSD	0.3 %	0.3 %	0.2 %	0.3 %	0.4 %	0.5 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1192 ppm	8.4095 ppm	0.9617 ppm	0.9550 ppm	3.0089 ppm	0.1109 ppm	0.5269 ppm
Concentration per Run 1	0.1199 ppm	8.4016 ppm	0.9655 ppm	0.9527 ppm	3.0182 ppm	0.1104 ppm	0.5279 ppm
Concentration per Run 2	0.1188 ppm	8.4145 ppm	0.9598 ppm	0.9564 ppm	3.0010 ppm	0.1118 ppm	0.5265 ppm
Concentration per Run 3	0.1189 ppm	8.4125 ppm	0.9598 ppm	0.9559 ppm	3.0075 ppm	0.1106 ppm	0.5263 ppm
Concentration RSD	0.5 %	0.1 %	0.3 %	0.2 %	0.3 %	0.7 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.8201 ppm	115.4900 %	108.2465 %	102.1236 %	112.1743 %	92.5200 %	105.5396 %
Concentration per Run 1	0.8240 ppm	116.4105 %	107.8473 %	101.9447 %	112.9353 %	92.3211 %	105.2173 %
Concentration per Run 2	0.8194 ppm	114.9938 %	108.3771 %	102.2568 %	111.9139 %	92.6201 %	105.6157 %
Concentration per Run 3	0.8169 ppm	115.0656 %	108.5149 %	102.1694 %	111.6736 %	92.6190 %	105.7858 %
Concentration RSD	0.4 %	0.7 %	0.3 %	0.2 %	0.6 %	0.2 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118563-6D10 WG2118563
 Analysis started at: 9/25/2025 10:48:59
 Comments: <Comment>
 Rack: 1
 Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	11.5723 ppm	0.5285 ppm	0.0032 ppm	0.0393 ppm	0.0005 ppm	2.0465 ppm
Concentration per Run 1	0.0001 ppm	11.5849 ppm	0.5284 ppm	0.0037 ppm	0.0394 ppm	0.0005 ppm	2.0535 ppm
Concentration per Run 2	-0.0001 ppm	11.5550 ppm	0.5274 ppm	0.0026 ppm	0.0393 ppm	0.0005 ppm	2.0442 ppm
Concentration per Run 3	0.0004 ppm	11.5770 ppm	0.5296 ppm	0.0033 ppm	0.0393 ppm	0.0005 ppm	2.0418 ppm
Concentration RSD	169.5 %	0.1 %	0.2 %	16.3 %	0.2 %	4.4 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0229 ppm	0.0216 ppm	0.0193 ppm	54.1154 ppm	1.3518 ppm	0.0237 ppm
Concentration per Run 1	-0.0003 ppm	0.0230 ppm	0.0215 ppm	0.0193 ppm	54.2550 ppm	1.3462 ppm	0.0247 ppm
Concentration per Run 2	-0.0004 ppm	0.0228 ppm	0.0217 ppm	0.0191 ppm	53.9964 ppm	1.3623 ppm	0.0229 ppm
Concentration per Run 3	-0.0004 ppm	0.0230 ppm	0.0216 ppm	0.0194 ppm	54.0949 ppm	1.3470 ppm	0.0236 ppm
Concentration RSD	10.6 %	0.4 %	0.5 %	0.7 %	0.2 %	0.7 %	3.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.9974 ppm	0.7763 ppm	0.0022 ppm	0.1651 ppm	0.0181 ppm	0.0214 ppm	0.0027 ppm
Concentration per Run 1	3.9943 ppm	0.7779 ppm	0.0022 ppm	0.1643 ppm	0.0179 ppm	0.0214 ppm	0.0021 ppm
Concentration per Run 2	4.0211 ppm	0.7752 ppm	0.0022 ppm	0.1697 ppm	0.0183 ppm	0.0215 ppm	0.0018 ppm
Concentration per Run 3	3.9768 ppm	0.7759 ppm	0.0022 ppm	0.1612 ppm	0.0180 ppm	0.0212 ppm	0.0043 ppm
Concentration RSD	0.6 %	0.2 %	1.5 %	2.6 %	1.2 %	0.5 %	48.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	1.4070 ppm	0.0039 ppm	0.0182 ppm	0.4485 ppm	0.0016 ppm	0.0200 ppm
Concentration per Run 1	0.0014 ppm	1.4155 ppm	0.0039 ppm	0.0181 ppm	0.4478 ppm	0.0021 ppm	0.0201 ppm
Concentration per Run 2	0.0010 ppm	1.3955 ppm	0.0040 ppm	0.0183 ppm	0.4503 ppm	0.0008 ppm	0.0200 ppm
Concentration per Run 3	-0.0005 ppm	1.4100 ppm	0.0038 ppm	0.0182 ppm	0.4475 ppm	0.0021 ppm	0.0199 ppm
Concentration RSD	155.1 %	0.7 %	2.1 %	0.6 %	0.3 %	46.6 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0639 ppm	107.6893 %	104.7846 %	99.3991 %	111.0962 %	101.8359 %	109.3320 %
Concentration per Run 1	0.0644 ppm	107.9301 %	105.0579 %	99.4081 %	110.8667 %	101.5594 %	109.4732 %
Concentration per Run 2	0.0633 ppm	107.8044 %	104.4194 %	99.7545 %	111.4550 %	102.3240 %	109.0514 %
Concentration per Run 3	0.0641 ppm	107.3335 %	104.8764 %	99.0347 %	110.9669 %	101.6242 %	109.4716 %
Concentration RSD	0.9 %	0.3 %	0.3 %	0.4 %	0.3 %	0.4 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558903-13D2 WG2118563
 Analysis started at: 9/25/2025 10:53:27
 Comments: <Comment>
 Rack: 1
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0086 ppm	15.5100 ppm	0.0681 ppm	0.0322 ppm	0.5046 ppm	0.0016 ppm	647.9069 [SIC 1000]
Concentration per Run 1	0.0087 ppm	15.2153 ppm	0.0691 ppm	0.0326 ppm	0.4953 ppm	0.0016 ppm	640.2261 ppm
Concentration per Run 2	0.0086 ppm	16.0167 ppm	0.0687 ppm	0.0317 ppm	0.5209 ppm	0.0017 ppm	660.2907 ppm
Concentration per Run 3	0.0086 ppm	15.2979 ppm	0.0665 ppm	0.0322 ppm	0.4977 ppm	0.0016 ppm	643.2039 ppm
Concentration RSD	0.7 %	2.8 %	2.1 %	1.5 %	2.8 %	3.8 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0267 ppm	0.0357 ppm	0.1442 ppm	1.8938 ppm	222.5768 ppm	4.6906 ppm	0.0174 ppm
Concentration per Run 1	0.0270 ppm	0.0356 ppm	0.1436 ppm	1.8937 ppm	215.6264 ppm	4.5956 ppm	0.0176 ppm
Concentration per Run 2	0.0265 ppm	0.0356 ppm	0.1442 ppm	1.8958 ppm	229.4420 ppm	4.8504 ppm	0.0185 ppm
Concentration per Run 3	0.0267 ppm	0.0361 ppm	0.1449 ppm	1.8920 ppm	222.6621 ppm	4.6256 ppm	0.0162 ppm
Concentration RSD	0.9 %	0.8 %	0.5 %	0.1 %	3.1 %	3.0 %	6.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	420.2182 ppm	2.3867 ppm	0.0253 ppm	1.1627 ppm	0.2166 ppm	5.0565 ppm	0.0231 ppm
Concentration per Run 1	420.2070 ppm	2.3408 ppm	0.0257 ppm	1.1341 ppm	0.2168 ppm	5.0626 ppm	0.0223 ppm
Concentration per Run 2	421.5484 ppm	2.4640 ppm	0.0250 ppm	1.1995 ppm	0.2168 ppm	5.0553 ppm	0.0235 ppm
Concentration per Run 3	418.8992 ppm	2.3552 ppm	0.0251 ppm	1.1545 ppm	0.2162 ppm	5.0514 ppm	0.0235 ppm
Concentration RSD	0.3 %	2.8 %	1.4 %	2.9 %	0.2 %	0.1 %	2.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	4.0794 ppm	0.3253 ppm	0.4028 ppm	0.6078 ppm	0.0010 ppm	0.0965 ppm
Concentration per Run 1	0.0011 ppm	4.0725 ppm	0.3243 ppm	0.3945 ppm	0.6076 ppm	0.0015 ppm	0.0968 ppm
Concentration per Run 2	0.0010 ppm	4.0773 ppm	0.3251 ppm	0.4161 ppm	0.6078 ppm	-0.0009 ppm	0.0962 ppm
Concentration per Run 3	-0.0003 ppm	4.0883 ppm	0.3264 ppm	0.3978 ppm	0.6079 ppm	0.0025 ppm	0.0966 ppm
Concentration RSD	132.0 %	0.2 %	0.3 %	2.9 %	0.0 %	170.2 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	3.0419 ppm	104.4844 %	94.7716 %	87.0245 %	105.0070 %	77.1662 %	95.2092 %
Concentration per Run 1	3.0492 ppm	105.9397 %	94.6584 %	87.0404 %	106.9378 %	77.0535 %	95.1589 %
Concentration per Run 2	3.0358 ppm	101.8851 %	94.7937 %	87.0691 %	102.1322 %	77.1962 %	95.2468 %
Concentration per Run 3	3.0408 ppm	105.6283 %	94.8626 %	86.9640 %	105.9511 %	77.2488 %	95.2218 %
Concentration RSD	0.2 %	2.2 %	0.1 %	0.1 %	2.4 %	0.1 %	0.0 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: eL2558903-14D2 WG2118563
 Analysis started at: 9/25/2025 10:58:13
 Comments: <Comment>
 Rack: 1
 Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0102 ppm	9.2845 ppm	0.1270 ppm	0.0267 ppm	0.2726 ppm	0.0010 ppm	942.5440 [SIC 1000]
Concentration per Run 1	0.0107 ppm	9.2894 ppm	0.1266 ppm	0.0272 ppm	0.2733 ppm	0.0010 ppm	949.2295 ppm
Concentration per Run 2	0.0098 ppm	9.3051 ppm	0.1270 ppm	0.0258 ppm	0.2725 ppm	0.0010 ppm	943.8068 ppm
Concentration per Run 3	0.0100 ppm	9.2589 ppm	0.1275 ppm	0.0272 ppm	0.2719 ppm	0.0010 ppm	934.5957 ppm
Concentration RSD	4.8 %	0.3 %	0.4 %	2.9 %	0.3 %	1.0 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0228 ppm	0.0736 ppm	0.3083 ppm	1.8660 ppm	427.6176 [SIC 500]	2.3211 ppm	0.0064 ppm
Concentration per Run 1	0.0229 ppm	0.0746 ppm	0.3107 ppm	1.8792 ppm	432.4573 ppm	2.3125 ppm	0.0051 ppm
Concentration per Run 2	0.0234 ppm	0.0743 ppm	0.3044 ppm	1.8436 ppm	423.0151 ppm	2.3222 ppm	0.0071 ppm
Concentration per Run 3	0.0223 ppm	0.0719 ppm	0.3098 ppm	1.8752 ppm	427.3805 ppm	2.3286 ppm	0.0070 ppm
Concentration RSD	2.4 %	2.0 %	1.1 %	1.0 %	1.1 %	0.3 %	18.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	628.1429 [SIC 500]	3.6337 ppm	0.1286 ppm	1.2362 ppm	0.4945 ppm	4.0219 ppm	0.0435 ppm
Concentration per Run 1	631.8856 ppm	3.6443 ppm	0.1289 ppm	1.2360 ppm	0.4955 ppm	4.0524 ppm	0.0454 ppm
Concentration per Run 2	621.5217 ppm	3.6373 ppm	0.1307 ppm	1.2406 ppm	0.5031 ppm	4.0676 ppm	0.0437 ppm
Concentration per Run 3	631.0214 ppm	3.6195 ppm	0.1264 ppm	1.2319 ppm	0.4847 ppm	3.9457 ppm	0.0414 ppm
Concentration RSD	0.9 %	0.4 %	1.7 %	0.4 %	1.9 %	1.7 %	4.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0015 ppm	3.3944 ppm	0.3593 ppm	0.3067 ppm	0.4162 ppm	0.0025 ppm	0.1005 ppm
Concentration per Run 1	0.0041 ppm	3.4182 ppm	0.3622 ppm	0.3076 ppm	0.4185 ppm	0.0016 ppm	0.1013 ppm
Concentration per Run 2	0.0001 ppm	3.4453 ppm	0.3634 ppm	0.3069 ppm	0.4117 ppm	0.0027 ppm	0.0989 ppm
Concentration per Run 3	0.0003 ppm	3.3197 ppm	0.3522 ppm	0.3056 ppm	0.4185 ppm	0.0033 ppm	0.1014 ppm
Concentration RSD	146.9 %	1.9 %	1.7 %	0.3 %	0.9 %	33.9 %	1.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	2.4707 ppm	104.0295 %	92.1314 %	83.1698 %	104.3144 %	73.1807 %	92.4291 %
Concentration per Run 1	2.4924 ppm	103.8641 %	91.8600 %	82.5285 %	104.0785 %	72.7265 %	92.0141 %
Concentration per Run 2	2.4961 ppm	103.9492 %	92.8877 %	82.5039 %	104.2137 %	72.3243 %	93.5237 %
Concentration per Run 3	2.4235 ppm	104.2751 %	91.6465 %	84.4770 %	104.6510 %	74.4913 %	91.7496 %
Concentration RSD	1.7 %	0.2 %	0.7 %	1.4 %	0.3 %	1.6 %	1.0 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558903-15D2 WG2118563
 Analysis started at: 9/25/2025 11:02:58
 Comments: <Comment>
 Rack: 1
 Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0016 ppm	57.7256 ppm	0.0570 ppm	0.0516 ppm	1.0419 ppm	0.0052 ppm	404.8107 ppm
Concentration per Run 1	0.0015 ppm	57.6840 ppm	0.0570 ppm	0.0520 ppm	1.0412 ppm	0.0052 ppm	404.9258 ppm
Concentration per Run 2	0.0020 ppm	57.8142 ppm	0.0576 ppm	0.0508 ppm	1.0432 ppm	0.0053 ppm	406.0555 ppm
Concentration per Run 3	0.0012 ppm	57.6785 ppm	0.0564 ppm	0.0520 ppm	1.0413 ppm	0.0052 ppm	403.4510 ppm
Concentration RSD	25.0 %	0.1 %	1.1 %	1.3 %	0.1 %	0.5 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0219 ppm	0.0830 ppm	0.3727 ppm	1.7997 ppm	245.2443 ppm	12.5634 ppm	0.0945 ppm
Concentration per Run 1	0.0219 ppm	0.0831 ppm	0.3737 ppm	1.8016 ppm	245.4722 ppm	12.5367 ppm	0.0943 ppm
Concentration per Run 2	0.0219 ppm	0.0831 ppm	0.3732 ppm	1.7994 ppm	246.8949 ppm	12.5810 ppm	0.0937 ppm
Concentration per Run 3	0.0220 ppm	0.0829 ppm	0.3713 ppm	1.7982 ppm	243.3658 ppm	12.5725 ppm	0.0956 ppm
Concentration RSD	0.3 %	0.1 %	0.3 %	0.1 %	0.7 %	0.2 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	196.4201 ppm	5.9388 ppm	0.0539 ppm	11.7095 ppm	0.2332 ppm	4.6352 ppm	0.0073 ppm
Concentration per Run 1	197.4399 ppm	5.9261 ppm	0.0541 ppm	11.7166 ppm	0.2323 ppm	4.6364 ppm	0.0088 ppm
Concentration per Run 2	195.5991 ppm	5.9473 ppm	0.0537 ppm	11.7329 ppm	0.2340 ppm	4.6306 ppm	0.0071 ppm
Concentration per Run 3	196.2212 ppm	5.9429 ppm	0.0538 ppm	11.6790 ppm	0.2332 ppm	4.6388 ppm	0.0061 ppm
Concentration RSD	0.5 %	0.2 %	0.3 %	0.2 %	0.4 %	0.1 %	18.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	6.3689 ppm	0.1542 ppm	1.5167 ppm	1.2399 ppm	-0.0032 ppm	0.3612 ppm
Concentration per Run 1	0.0007 ppm	6.3497 ppm	0.1542 ppm	1.5147 ppm	1.2393 ppm	-0.0028 ppm	0.3607 ppm
Concentration per Run 2	0.0016 ppm	6.3721 ppm	0.1540 ppm	1.5192 ppm	1.2415 ppm	-0.0017 ppm	0.3615 ppm
Concentration per Run 3	0.0027 ppm	6.3849 ppm	0.1544 ppm	1.5160 ppm	1.2390 ppm	-0.0049 ppm	0.3613 ppm
Concentration RSD	58.0 %	0.3 %	0.1 %	0.2 %	0.1 %	51.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	4.9440 ppm	128.2711 %	116.0617 %	106.2103 %	112.8086 %	84.1556 %	102.7596 %
Concentration per Run 1	4.9477 ppm	129.3979 %	115.8616 %	106.3796 %	113.3957 %	84.1975 %	102.4580 %
Concentration per Run 2	4.9314 ppm	127.8396 %	116.0159 %	106.2927 %	112.3505 %	84.2779 %	102.7613 %
Concentration per Run 3	4.9530 ppm	127.5756 %	116.3076 %	105.9585 %	112.6796 %	83.9914 %	103.0596 %
Concentration RSD	0.2 %	0.8 %	0.2 %	0.2 %	0.5 %	0.2 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
Analysis started at: 9/25/2025 11:07:44
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4552 ppm	0.4571 ppm	0.4754 ppm	0.4815 ppm	0.4479 ppm	0.4648 ppm	0.4908 ppm
Concentration per Run 1	0.4549 ppm	0.4641 ppm	0.4729 ppm	0.4806 ppm	0.4493 ppm	0.4664 ppm	0.5048 ppm
Concentration per Run 2	0.4556 ppm	0.4472 ppm	0.4761 ppm	0.4825 ppm	0.4475 ppm	0.4642 ppm	0.4879 ppm
Concentration per Run 3	0.4552 ppm	0.4600 ppm	0.4773 ppm	0.4814 ppm	0.4468 ppm	0.4638 ppm	0.4798 ppm
Recovery Percentage 1	91.046 %	91.415 %	95.088 %	96.302 %	89.571 %	92.956 %	98.168 %
Concentration RSD	0.1 %	1.9 %	0.5 %	0.2 %	0.3 %	0.3 %	2.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5028 ppm	0.4714 ppm	0.5022 ppm	0.4760 ppm	0.5073 ppm	4.6361 ppm	0.4687 ppm
Concentration per Run 1	0.5038 ppm	0.4711 ppm	0.5012 ppm	0.4761 ppm	0.5210 ppm	4.6280 ppm	0.4685 ppm
Concentration per Run 2	0.5044 ppm	0.4738 ppm	0.5029 ppm	0.4756 ppm	0.5032 ppm	4.6333 ppm	0.4685 ppm
Concentration per Run 3	0.5001 ppm	0.4692 ppm	0.5026 ppm	0.4764 ppm	0.4977 ppm	4.6469 ppm	0.4692 ppm
Recovery Percentage 1	100.555 %	94.271 %	100.449 %	95.207 %	101.460 %	92.721 %	93.743 %
Concentration RSD	0.5 %	0.5 %	0.2 %	0.1 %	2.4 %	0.2 %	0.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5379 ppm	0.4627 ppm	0.4919 ppm	8.6596 ppm	0.5090 ppm	0.5262 ppm	0.4907 ppm
Concentration per Run 1	0.5373 ppm	0.4650 ppm	0.4922 ppm	8.6691 ppm	0.5090 ppm	0.5273 ppm	0.4930 ppm
Concentration per Run 2	0.5416 ppm	0.4617 ppm	0.4928 ppm	8.6639 ppm	0.5105 ppm	0.5261 ppm	0.4893 ppm
Concentration per Run 3	0.5349 ppm	0.4613 ppm	0.4908 ppm	8.6458 ppm	0.5074 ppm	0.5252 ppm	0.4898 ppm
Recovery Percentage 1	107.582 %	92.530 %	98.386 %	86.596 %	101.799 %	105.241 %	98.140 %
Concentration RSD	0.6 %	0.4 %	0.2 %	0.1 %	0.3 %	0.2 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.5085 ppm	5.6429 ppm	0.4804 ppm	0.4582 ppm	0.5038 ppm	0.5014 ppm	0.5070 ppm
Concentration per Run 1	0.5077 ppm	5.6441 ppm	0.4799 ppm	0.4595 ppm	0.5028 ppm	0.5020 ppm	0.5066 ppm
Concentration per Run 2	0.5108 ppm	5.6509 ppm	0.4798 ppm	0.4578 ppm	0.5039 ppm	0.5024 ppm	0.5075 ppm
Concentration per Run 3	0.5071 ppm	5.6337 ppm	0.4814 ppm	0.4573 ppm	0.5048 ppm	0.4998 ppm	0.5069 ppm
Recovery Percentage 1	101.709 %	107.484 %	96.075 %	91.633 %	100.768 %	100.278 %	101.399 %
Concentration RSD	0.4 %	0.2 %	0.2 %	0.2 %	0.2 %	0.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5147 ppm	103.6993 %	102.2665 %	96.5368 %	109.8370 %	101.7723 %	109.1152 %
Concentration per Run 1	0.5158 ppm	103.5601 %	102.5778 %	96.3417 %	109.0892 %	101.6422 %	109.4239 %
Concentration per Run 2	0.5159 ppm	103.7610 %	102.0366 %	96.4581 %	110.1648 %	101.5288 %	108.8554 %
Concentration per Run 3	0.5125 ppm	103.7768 %	102.1853 %	96.8105 %	110.2572 %	102.1459 %	109.0662 %
Recovery Percentage 1	102.950 %						
Concentration RSD	0.4 %	0.1 %	0.3 %	0.3 %	0.6 %	0.3 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
 Analysis started at: 9/25/2025 11:12:00
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0013 ppm	0.0014 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	-0.0032 ppm
Concentration per Run 1	0.0003 ppm	0.0049 ppm	0.0005 ppm	0.0006 ppm	0.0001 ppm	0.0001 ppm	-0.0061 ppm
Concentration per Run 2	-0.0001 ppm	0.0046 ppm	0.0030 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm	-0.0050 ppm
Concentration per Run 3	-0.0001 ppm	-0.0057 ppm	0.0008 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0014 ppm
Recovery Percentage 1	0.824 %	1.252 %	28.606 %	2.700 %	0.814 %	1.204 %	-3.241 %
Concentration RSD	615.2 %	483.1 %	93.4 %	35.0 %	55.4 %	102.3 %	124.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0009 ppm	0.0022 ppm	0.0359 ppm	-0.0010 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0009 ppm	0.0014 ppm	0.0217 ppm	-0.0013 ppm
Concentration per Run 2	-0.0002 ppm	0.0003 ppm	0.0003 ppm	-0.0009 ppm	0.0025 ppm	0.0366 ppm	-0.0012 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	-0.0003 ppm	-0.0010 ppm	0.0027 ppm	0.0495 ppm	-0.0005 ppm
Recovery Percentage 1	-3.670 %	0.967 %	-0.802 %	-9.154 %	4.393 %	1.437 %	-9.999 %
Concentration RSD	8.0 %	253.8 %	444.3 %	9.5 %	31.8 %	38.7 %	41.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0032 ppm	0.0001 ppm	0.0004 ppm	0.0147 ppm	-0.0003 ppm	-0.0005 ppm	0.0008 ppm
Concentration per Run 1	0.0043 ppm	-0.0002 ppm	0.0005 ppm	0.0125 ppm	-0.0001 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 2	0.0039 ppm	0.0001 ppm	0.0005 ppm	0.0095 ppm	-0.0004 ppm	-0.0011 ppm	0.0010 ppm
Concentration per Run 3	0.0015 ppm	0.0002 ppm	0.0002 ppm	0.0222 ppm	-0.0003 ppm	-0.0001 ppm	0.0013 ppm
Recovery Percentage 1	3.211 %	0.588 %	0.732 %	0.735 %	-1.035 %	-4.694 %	1.631 %
Concentration RSD	47.8 %	318.1 %	48.9 %	45.0 %	68.5 %	111.9 %	73.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0014 ppm	0.0082 ppm	0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 1	-0.0006 ppm	0.0096 ppm	0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run 2	-0.0013 ppm	0.0072 ppm	-0.0002 ppm	0.0004 ppm	-0.0001 ppm	-0.0011 ppm	-0.0002 ppm
Concentration per Run 3	-0.0023 ppm	0.0078 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm	0.0005 ppm	-0.0001 ppm
Recovery Percentage 1	-13.998 %	1.642 %	0.210 %	3.156 %	0.673 %	1.565 %	-0.368 %
Concentration RSD	62.7 %	15.0 %	273.4 %	19.0 %	177.9 %	418.2 %	593.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	105.0241 %	103.2328 %	96.9515 %	109.1496 %	103.4403 %	108.4152 %
Concentration per Run 1	0.0002 ppm	109.6190 %	103.5859 %	97.0113 %	114.1315 %	103.6489 %	108.7008 %
Concentration per Run 2	0.0003 ppm	101.2204 %	103.0673 %	96.9477 %	104.7741 %	103.2397 %	108.2980 %
Concentration per Run 3	0.0002 ppm	104.2327 %	103.0453 %	96.8953 %	108.5431 %	103.4323 %	108.2468 %
Recovery Percentage 1	4.707 %						
Concentration RSD	20.0 %	4.1 %	0.3 %	0.1 %	4.3 %	0.2 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558903-16D2 WG2118563
 Analysis started at: 9/25/2025 11:22:40
 Comments: <Comment>
 Rack: 1
 Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0045 ppm	14.9629 ppm	0.0434 ppm	0.0186 ppm	0.3401 ppm	0.0014 ppm	605.8753 [SIC 1000]
Concentration per Run 1	0.0043 ppm	15.2121 ppm	0.0462 ppm	0.0183 ppm	0.3445 ppm	0.0014 ppm	612.8890 ppm
Concentration per Run 2	0.0049 ppm	14.8800 ppm	0.0387 ppm	0.0191 ppm	0.3385 ppm	0.0014 ppm	604.6269 ppm
Concentration per Run 3	0.0044 ppm	14.7967 ppm	0.0453 ppm	0.0184 ppm	0.3374 ppm	0.0014 ppm	600.1102 ppm
Concentration RSD	7.2 %	1.5 %	9.4 %	2.4 %	1.1 %	1.8 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0348 ppm	0.0292 ppm	0.1161 ppm	3.7255 ppm	143.5729 ppm	4.5343 ppm	0.0147 ppm
Concentration per Run 1	0.0348 ppm	0.0291 ppm	0.1157 ppm	3.7351 ppm	146.0163 ppm	4.5959 ppm	0.0167 ppm
Concentration per Run 2	0.0349 ppm	0.0298 ppm	0.1164 ppm	3.7258 ppm	142.6057 ppm	4.5145 ppm	0.0137 ppm
Concentration per Run 3	0.0346 ppm	0.0288 ppm	0.1162 ppm	3.7157 ppm	142.0967 ppm	4.4925 ppm	0.0135 ppm
Concentration RSD	0.5 %	1.6 %	0.3 %	0.3 %	1.5 %	1.2 %	12.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	403.4288 ppm	1.8415 ppm	0.0143 ppm	0.6842 ppm	0.1792 ppm	4.8036 ppm	0.0301 ppm
Concentration per Run 1	404.0148 ppm	1.8728 ppm	0.0143 ppm	0.6981 ppm	0.1794 ppm	4.8080 ppm	0.0311 ppm
Concentration per Run 2	403.8136 ppm	1.8290 ppm	0.0143 ppm	0.6785 ppm	0.1793 ppm	4.8171 ppm	0.0301 ppm
Concentration per Run 3	402.4579 ppm	1.8226 ppm	0.0144 ppm	0.6759 ppm	0.1789 ppm	4.7858 ppm	0.0291 ppm
Concentration RSD	0.2 %	1.5 %	0.4 %	1.8 %	0.1 %	0.3 %	3.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	4.9483 ppm	0.2852 ppm	0.2511 ppm	0.7627 ppm	0.0012 ppm	0.0893 ppm
Concentration per Run 1	0.0029 ppm	4.9493 ppm	0.2848 ppm	0.2551 ppm	0.7608 ppm	0.0016 ppm	0.0897 ppm
Concentration per Run 2	0.0029 ppm	4.9722 ppm	0.2874 ppm	0.2497 ppm	0.7607 ppm	-0.0022 ppm	0.0897 ppm
Concentration per Run 3	-0.0044 ppm	4.9234 ppm	0.2833 ppm	0.2486 ppm	0.7666 ppm	0.0041 ppm	0.0887 ppm
Concentration RSD	872.2 %	0.5 %	0.7 %	1.4 %	0.4 %	265.3 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	4.1686 ppm	103.4587 %	94.6910 %	86.7418 %	104.5113 %	77.7985 %	95.6630 %
Concentration per Run 1	4.1774 ppm	102.2325 %	94.7941 %	87.3199 %	103.2347 %	77.7930 %	95.8042 %
Concentration per Run 2	4.1716 ppm	104.0834 %	94.6288 %	86.3000 %	105.1460 %	77.5791 %	95.6291 %
Concentration per Run 3	4.1570 ppm	104.0602 %	94.6502 %	86.6054 %	105.1531 %	78.0233 %	95.5556 %
Concentration RSD	0.3 %	1.0 %	0.1 %	0.6 %	1.1 %	0.3 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558903-14D4 WG2118563
 Analysis started at: 9/25/2025 12:06:11
 Comments: <Comment>
 Rack: 1
 Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0053 ppm	4.6268 ppm	0.0590 ppm	0.0117 ppm	0.1371 ppm	0.0005 ppm	501.0017 ppm
Concentration per Run 1	0.0053 ppm	4.6345 ppm	0.0628 ppm	0.0119 ppm	0.1366 ppm	0.0005 ppm	508.2113 ppm
Concentration per Run 2	0.0056 ppm	4.6300 ppm	0.0548 ppm	0.0117 ppm	0.1370 ppm	0.0005 ppm	495.5694 ppm
Concentration per Run 3	0.0051 ppm	4.6160 ppm	0.0594 ppm	0.0114 ppm	0.1376 ppm	0.0005 ppm	499.2244 ppm
Concentration RSD	4.8 %	0.2 %	6.8 %	2.4 %	0.4 %	5.8 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0113 ppm	0.0368 ppm	0.1609 ppm	0.9331 ppm	226.2119 ppm	0.9377 ppm	0.0024 ppm
Concentration per Run 1	0.0114 ppm	0.0368 ppm	0.1613 ppm	0.9338 ppm	225.8428 ppm	0.9485 ppm	0.0029 ppm
Concentration per Run 2	0.0113 ppm	0.0365 ppm	0.1615 ppm	0.9316 ppm	225.8479 ppm	0.9371 ppm	0.0024 ppm
Concentration per Run 3	0.0113 ppm	0.0372 ppm	0.1600 ppm	0.9340 ppm	226.9451 ppm	0.9275 ppm	0.0019 ppm
Concentration RSD	0.6 %	0.9 %	0.5 %	0.1 %	0.3 %	1.1 %	21.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	333.6529 ppm	1.8587 ppm	0.0623 ppm	0.4478 ppm	0.2345 ppm	2.0118 ppm	0.0218 ppm
Concentration per Run 1	333.7921 ppm	1.8582 ppm	0.0625 ppm	0.4531 ppm	0.2354 ppm	2.0142 ppm	0.0218 ppm
Concentration per Run 2	334.3187 ppm	1.8568 ppm	0.0620 ppm	0.4489 ppm	0.2341 ppm	2.0081 ppm	0.0221 ppm
Concentration per Run 3	332.8479 ppm	1.8610 ppm	0.0624 ppm	0.4415 ppm	0.2340 ppm	2.0132 ppm	0.0216 ppm
Concentration RSD	0.2 %	0.1 %	0.4 %	1.3 %	0.3 %	0.2 %	1.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	1.6743 ppm	0.1825 ppm	0.1515 ppm	0.2156 ppm	0.0020 ppm	0.0518 ppm
Concentration per Run 1	-0.0014 ppm	1.6739 ppm	0.1827 ppm	0.1513 ppm	0.2157 ppm	0.0029 ppm	0.0523 ppm
Concentration per Run 2	0.0009 ppm	1.6730 ppm	0.1823 ppm	0.1515 ppm	0.2159 ppm	0.0017 ppm	0.0514 ppm
Concentration per Run 3	-0.0009 ppm	1.6761 ppm	0.1827 ppm	0.1516 ppm	0.2152 ppm	0.0015 ppm	0.0516 ppm
Concentration RSD	261.0 %	0.1 %	0.1 %	0.1 %	0.2 %	36.0 %	0.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.2268 ppm	101.4092 %	93.8519 %	87.5672 %	104.2945 %	79.7131 %	96.1200 %
Concentration per Run 1	1.2308 ppm	101.0927 %	93.6454 %	87.5693 %	104.0471 %	79.7332 %	95.8752 %
Concentration per Run 2	1.2260 ppm	101.6167 %	94.0165 %	87.6387 %	104.4449 %	79.7513 %	96.2577 %
Concentration per Run 3	1.2236 ppm	101.5182 %	93.8937 %	87.4936 %	104.3914 %	79.6548 %	96.2271 %
Concentration RSD	0.3 %	0.3 %	0.2 %	0.1 %	0.2 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555667-15D2 WG2118037
 Analysis started at: 9/25/2025 12:10:58
 Comments: <Comment>
 Rack: 1
 Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0006 ppm	67.6907 ppm	0.0731 ppm	0.0001 ppm	0.2166 ppm	0.0028 ppm	7.3365 ppm
Concentration per Run 1	-0.0001 ppm	66.4522 ppm	0.0736 ppm	0.0004 ppm	0.2127 ppm	0.0027 ppm	7.2037 ppm
Concentration per Run 2	-0.0006 ppm	69.3990 ppm	0.0731 ppm	-0.0001 ppm	0.2219 ppm	0.0029 ppm	7.5366 ppm
Concentration per Run 3	-0.0011 ppm	67.2210 ppm	0.0726 ppm	0.0000 ppm	0.2151 ppm	0.0027 ppm	7.2693 ppm
Concentration RSD	84.5 %	2.3 %	0.7 %	282.6 %	2.2 %	3.6 %	2.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0003 ppm	0.0338 ppm	0.1013 ppm	0.0906 ppm	82.9366 ppm	7.9227 ppm	0.1024 ppm
Concentration per Run 1	-0.0002 ppm	0.0338 ppm	0.0963 ppm	0.0869 ppm	81.3370 ppm	7.8024 ppm	0.1012 ppm
Concentration per Run 2	-0.0003 ppm	0.0340 ppm	0.0974 ppm	0.0875 ppm	85.1123 ppm	8.1160 ppm	0.1038 ppm
Concentration per Run 3	-0.0003 ppm	0.0337 ppm	0.1102 ppm	0.0974 ppm	82.3605 ppm	7.8498 ppm	0.1021 ppm
Concentration RSD	19.8 %	0.3 %	7.6 %	6.5 %	2.4 %	2.1 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	18.4489 ppm	1.2441 ppm	0.0061 ppm	0.5110 ppm	0.0728 ppm	0.1088 ppm	-0.0002 ppm
Concentration per Run 1	17.6497 ppm	1.2208 ppm	0.0062 ppm	0.5048 ppm	0.0719 ppm	0.1094 ppm	0.0021 ppm
Concentration per Run 2	17.6429 ppm	1.2768 ppm	0.0059 ppm	0.5218 ppm	0.0736 ppm	0.1087 ppm	-0.0018 ppm
Concentration per Run 3	20.0541 ppm	1.2346 ppm	0.0061 ppm	0.5064 ppm	0.0729 ppm	0.1083 ppm	-0.0008 ppm
Concentration RSD	7.5 %	2.3 %	2.3 %	1.8 %	1.2 %	0.5 %	1,234.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	6.6747 ppm	0.0103 ppm	0.0341 ppm	3.2507 ppm	0.0009 ppm	0.1260 ppm
Concentration per Run 1	0.0025 ppm	6.6479 ppm	0.0101 ppm	0.0334 ppm	3.1045 ppm	0.0005 ppm	0.1204 ppm
Concentration per Run 2	0.0011 ppm	6.6757 ppm	0.0107 ppm	0.0350 ppm	3.1108 ppm	0.0009 ppm	0.1205 ppm
Concentration per Run 3	0.0016 ppm	6.7003 ppm	0.0101 ppm	0.0338 ppm	3.5367 ppm	0.0013 ppm	0.1372 ppm
Concentration RSD	41.8 %	0.4 %	3.3 %	2.5 %	7.6 %	44.8 %	7.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2341 ppm	114.3645 %	105.3471 %	104.5158 %	110.6711 %	96.0243 %	103.0634 %
Concentration per Run 1	0.2340 ppm	116.2766 %	109.1591 %	104.3964 %	112.5604 %	96.2628 %	106.8847 %
Concentration per Run 2	0.2338 ppm	111.1602 %	109.3850 %	104.6114 %	107.6183 %	95.9651 %	107.2131 %
Concentration per Run 3	0.2346 ppm	115.6567 %	97.4972 %	104.5398 %	111.8346 %	95.8451 %	95.0923 %
Concentration RSD	0.2 %	2.4 %	6.5 %	0.1 %	2.4 %	0.2 %	6.7 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555667-29D2 WG2118037
 Analysis started at: 9/25/2025 12:15:16
 Comments: <Comment>
 Rack: 1
 Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0008 ppm	71.3258 ppm	0.0810 ppm	-0.0002 ppm	0.2319 ppm	0.0025 ppm	7.5607 ppm
Concentration per Run 1	-0.0007 ppm	71.7964 ppm	0.0829 ppm	-0.0001 ppm	0.2336 ppm	0.0025 ppm	7.6150 ppm
Concentration per Run 2	-0.0007 ppm	71.2250 ppm	0.0779 ppm	-0.0004 ppm	0.2315 ppm	0.0025 ppm	7.5491 ppm
Concentration per Run 3	-0.0011 ppm	70.9559 ppm	0.0824 ppm	-0.0001 ppm	0.2307 ppm	0.0025 ppm	7.5179 ppm
Concentration RSD	29.7 %	0.6 %	3.4 %	65.9 %	0.6 %	1.3 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0005 ppm	0.0356 ppm	0.1541 ppm	0.0778 ppm	83.8093 ppm	11.4458 ppm	0.0985 ppm
Concentration per Run 1	-0.0005 ppm	0.0356 ppm	0.1535 ppm	0.0779 ppm	84.3589 ppm	11.4952 ppm	0.0983 ppm
Concentration per Run 2	-0.0005 ppm	0.0356 ppm	0.1535 ppm	0.0777 ppm	83.6607 ppm	11.4502 ppm	0.0990 ppm
Concentration per Run 3	-0.0006 ppm	0.0356 ppm	0.1554 ppm	0.0776 ppm	83.4082 ppm	11.3921 ppm	0.0983 ppm
Concentration RSD	3.9 %	0.0 %	0.7 %	0.2 %	0.6 %	0.5 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	23.2384 ppm	1.1754 ppm	0.0028 ppm	0.4346 ppm	0.1035 ppm	0.0732 ppm	0.0005 ppm
Concentration per Run 1	23.2190 ppm	1.1824 ppm	0.0028 ppm	0.4393 ppm	0.1032 ppm	0.0736 ppm	0.0013 ppm
Concentration per Run 2	23.1997 ppm	1.1749 ppm	0.0027 ppm	0.4382 ppm	0.1033 ppm	0.0728 ppm	0.0010 ppm
Concentration per Run 3	23.2967 ppm	1.1691 ppm	0.0029 ppm	0.4263 ppm	0.1039 ppm	0.0733 ppm	-0.0009 ppm
Concentration RSD	0.2 %	0.6 %	4.9 %	1.7 %	0.4 %	0.5 %	249.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0018 ppm	6.9331 ppm	0.0083 ppm	0.0309 ppm	3.5021 ppm	0.0000 ppm	0.1333 ppm
Concentration per Run 1	0.0004 ppm	6.9241 ppm	0.0077 ppm	0.0312 ppm	3.5020 ppm	-0.0011 ppm	0.1334 ppm
Concentration per Run 2	-0.0040 ppm	6.9345 ppm	0.0092 ppm	0.0308 ppm	3.4973 ppm	-0.0002 ppm	0.1334 ppm
Concentration per Run 3	-0.0019 ppm	6.9406 ppm	0.0079 ppm	0.0308 ppm	3.5071 ppm	0.0012 ppm	0.1331 ppm
Concentration RSD	119.2 %	0.1 %	9.6 %	0.8 %	0.1 %	2,935.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2011 ppm	115.7889 %	110.6221 %	105.6350 %	111.9656 %	96.0772 %	107.7142 %
Concentration per Run 1	0.2012 ppm	114.9101 %	110.5656 %	105.5740 %	111.0959 %	96.1028 %	107.5543 %
Concentration per Run 2	0.2010 ppm	116.2037 %	110.8054 %	105.6053 %	112.3520 %	96.2310 %	107.8806 %
Concentration per Run 3	0.2013 ppm	116.2528 %	110.4953 %	105.7256 %	112.4487 %	95.8977 %	107.7078 %
Concentration RSD	0.1 %	0.7 %	0.1 %	0.1 %	0.7 %	0.2 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555667-41D2 WG2118037
 Analysis started at: 9/25/2025 12:19:35
 Comments: <Comment>
 Rack: 1
 Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0008 ppm	59.4325 ppm	0.0680 ppm	0.0006 ppm	0.1702 ppm	0.0025 ppm	8.7252 ppm
Concentration per Run 1	-0.0004 ppm	59.5644 ppm	0.0681 ppm	0.0004 ppm	0.1701 ppm	0.0024 ppm	8.7197 ppm
Concentration per Run 2	-0.0012 ppm	59.4336 ppm	0.0672 ppm	0.0011 ppm	0.1703 ppm	0.0025 ppm	8.7327 ppm
Concentration per Run 3	-0.0008 ppm	59.2995 ppm	0.0687 ppm	0.0005 ppm	0.1701 ppm	0.0025 ppm	8.7233 ppm
Concentration RSD	48.4 %	0.2 %	1.1 %	60.4 %	0.1 %	1.0 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0279 ppm	0.0843 ppm	0.0762 ppm	68.1933 ppm	7.1570 ppm	0.0894 ppm
Concentration per Run 1	-0.0005 ppm	0.0279 ppm	0.0844 ppm	0.0760 ppm	68.3836 ppm	7.2039 ppm	0.0903 ppm
Concentration per Run 2	-0.0004 ppm	0.0279 ppm	0.0840 ppm	0.0763 ppm	68.1312 ppm	7.1264 ppm	0.0894 ppm
Concentration per Run 3	-0.0004 ppm	0.0279 ppm	0.0845 ppm	0.0762 ppm	68.0652 ppm	7.1407 ppm	0.0885 ppm
Concentration RSD	10.4 %	0.1 %	0.3 %	0.2 %	0.2 %	0.6 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.1427 ppm	0.9311 ppm	0.0027 ppm	0.3700 ppm	0.0609 ppm	0.0705 ppm	0.0027 ppm
Concentration per Run 1	15.1485 ppm	0.9356 ppm	0.0025 ppm	0.3655 ppm	0.0603 ppm	0.0703 ppm	0.0027 ppm
Concentration per Run 2	15.0648 ppm	0.9291 ppm	0.0026 ppm	0.3719 ppm	0.0619 ppm	0.0704 ppm	0.0030 ppm
Concentration per Run 3	15.2149 ppm	0.9286 ppm	0.0029 ppm	0.3724 ppm	0.0603 ppm	0.0708 ppm	0.0025 ppm
Concentration RSD	0.5 %	0.4 %	7.9 %	1.0 %	1.5 %	0.4 %	9.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0021 ppm	3.5151 ppm	0.0084 ppm	0.0304 ppm	2.7262 ppm	0.0000 ppm	0.1054 ppm
Concentration per Run 1	0.0004 ppm	3.4971 ppm	0.0084 ppm	0.0305 ppm	2.7237 ppm	0.0006 ppm	0.1055 ppm
Concentration per Run 2	0.0039 ppm	3.5305 ppm	0.0081 ppm	0.0303 ppm	2.7172 ppm	-0.0009 ppm	0.1053 ppm
Concentration per Run 3	0.0018 ppm	3.5177 ppm	0.0087 ppm	0.0304 ppm	2.7376 ppm	0.0004 ppm	0.1055 ppm
Concentration RSD	84.2 %	0.5 %	3.7 %	0.3 %	0.4 %	2,436.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1603 ppm	114.3223 %	109.3185 %	103.8701 %	112.2998 %	96.4922 %	108.2413 %
Concentration per Run 1	0.1596 ppm	114.3601 %	109.1714 %	104.1550 %	112.0727 %	96.8689 %	108.0615 %
Concentration per Run 2	0.1610 ppm	114.3269 %	109.7339 %	103.5011 %	112.4338 %	95.9162 %	108.6999 %
Concentration per Run 3	0.1602 ppm	114.2798 %	109.0502 %	103.9540 %	112.3929 %	96.6916 %	107.9625 %
Concentration RSD	0.4 %	0.0 %	0.3 %	0.3 %	0.2 %	0.5 %	0.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555667-43D2 WG2118037
 Analysis started at: 9/25/2025 12:23:55
 Comments: <Comment>
 Rack: 1
 Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0007 ppm	63.0169 ppm	0.0633 ppm	0.0015 ppm	0.1954 ppm	0.0026 ppm	11.8064 ppm
Concentration per Run 1	-0.0008 ppm	63.2196 ppm	0.0635 ppm	0.0014 ppm	0.1952 ppm	0.0026 ppm	11.8528 ppm
Concentration per Run 2	-0.0006 ppm	63.0055 ppm	0.0659 ppm	0.0017 ppm	0.1955 ppm	0.0026 ppm	11.7922 ppm
Concentration per Run 3	-0.0006 ppm	62.8255 ppm	0.0605 ppm	0.0014 ppm	0.1954 ppm	0.0025 ppm	11.7743 ppm
Concentration RSD	14.7 %	0.3 %	4.3 %	11.3 %	0.1 %	1.0 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0388 ppm	0.0912 ppm	0.0969 ppm	78.1942 ppm	7.9365 ppm	0.1050 ppm
Concentration per Run 1	-0.0004 ppm	0.0391 ppm	0.0916 ppm	0.0973 ppm	78.4686 ppm	7.9648 ppm	0.1050 ppm
Concentration per Run 2	-0.0005 ppm	0.0388 ppm	0.0907 ppm	0.0967 ppm	78.2134 ppm	7.9290 ppm	0.1046 ppm
Concentration per Run 3	-0.0004 ppm	0.0387 ppm	0.0912 ppm	0.0967 ppm	77.9005 ppm	7.9156 ppm	0.1053 ppm
Concentration RSD	12.6 %	0.5 %	0.5 %	0.4 %	0.4 %	0.3 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	18.2241 ppm	1.4105 ppm	0.0045 ppm	0.3818 ppm	0.0720 ppm	0.0907 ppm	0.0005 ppm
Concentration per Run 1	18.2313 ppm	1.4151 ppm	0.0044 ppm	0.3780 ppm	0.0727 ppm	0.0918 ppm	-0.0003 ppm
Concentration per Run 2	18.2113 ppm	1.4089 ppm	0.0043 ppm	0.3789 ppm	0.0721 ppm	0.0893 ppm	-0.0003 ppm
Concentration per Run 3	18.2298 ppm	1.4074 ppm	0.0047 ppm	0.3884 ppm	0.0712 ppm	0.0910 ppm	0.0020 ppm
Concentration RSD	0.1 %	0.3 %	4.1 %	1.5 %	1.1 %	1.4 %	275.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0004 ppm	6.7944 ppm	0.0097 ppm	0.0347 ppm	2.9456 ppm	0.0003 ppm	0.1173 ppm
Concentration per Run 1	0.0021 ppm	6.8380 ppm	0.0108 ppm	0.0347 ppm	2.9487 ppm	-0.0006 ppm	0.1177 ppm
Concentration per Run 2	-0.0026 ppm	6.7661 ppm	0.0082 ppm	0.0348 ppm	2.9418 ppm	0.0022 ppm	0.1168 ppm
Concentration per Run 3	-0.0008 ppm	6.7792 ppm	0.0100 ppm	0.0347 ppm	2.9462 ppm	-0.0006 ppm	0.1175 ppm
Concentration RSD	547.7 %	0.6 %	13.6 %	0.1 %	0.1 %	488.2 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2690 ppm	114.7811 %	109.6803 %	103.5567 %	112.3610 %	95.6992 %	108.0422 %
Concentration per Run 1	0.2715 ppm	114.1834 %	109.4263 %	102.9250 %	111.5686 %	95.0896 %	107.7311 %
Concentration per Run 2	0.2682 ppm	114.8310 %	109.7771 %	104.0534 %	112.4713 %	96.0235 %	108.1984 %
Concentration per Run 3	0.2673 ppm	115.3289 %	109.8376 %	103.6916 %	113.0432 %	95.9845 %	108.1972 %
Concentration RSD	0.8 %	0.5 %	0.2 %	0.6 %	0.7 %	0.6 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555667-53D2 WG2118037
 Analysis started at: 9/25/2025 12:28:14
 Comments: <Comment>
 Rack: 1
 Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0007 ppm	74.3461 ppm	0.0945 ppm	-0.0009 ppm	0.1424 ppm	0.0025 ppm	5.0613 ppm
Concentration per Run 1	-0.0007 ppm	75.1632 ppm	0.0958 ppm	-0.0015 ppm	0.1431 ppm	0.0026 ppm	5.0971 ppm
Concentration per Run 2	-0.0011 ppm	73.9769 ppm	0.0953 ppm	-0.0005 ppm	0.1420 ppm	0.0025 ppm	5.0445 ppm
Concentration per Run 3	-0.0004 ppm	73.8983 ppm	0.0924 ppm	-0.0006 ppm	0.1420 ppm	0.0025 ppm	5.0423 ppm
Concentration RSD	43.4 %	1.0 %	2.0 %	65.3 %	0.4 %	2.0 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0007 ppm	0.0314 ppm	0.1177 ppm	0.0690 ppm	77.5940 ppm	7.1246 ppm	0.1004 ppm
Concentration per Run 1	-0.0008 ppm	0.0316 ppm	0.1176 ppm	0.0692 ppm	78.4273 ppm	7.2196 ppm	0.1011 ppm
Concentration per Run 2	-0.0007 ppm	0.0314 ppm	0.1176 ppm	0.0686 ppm	77.1800 ppm	7.0584 ppm	0.1008 ppm
Concentration per Run 3	-0.0007 ppm	0.0311 ppm	0.1179 ppm	0.0691 ppm	77.1747 ppm	7.0958 ppm	0.0993 ppm
Concentration RSD	8.2 %	0.8 %	0.2 %	0.4 %	0.9 %	1.2 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	18.8703 ppm	0.8529 ppm	0.0029 ppm	4.5760 ppm	0.0854 ppm	0.0556 ppm	0.0016 ppm
Concentration per Run 1	18.8193 ppm	0.8616 ppm	0.0031 ppm	4.6209 ppm	0.0855 ppm	0.0560 ppm	0.0031 ppm
Concentration per Run 2	18.8714 ppm	0.8472 ppm	0.0030 ppm	4.5468 ppm	0.0850 ppm	0.0552 ppm	0.0024 ppm
Concentration per Run 3	18.9202 ppm	0.8497 ppm	0.0027 ppm	4.5604 ppm	0.0858 ppm	0.0557 ppm	-0.0007 ppm
Concentration RSD	0.3 %	0.9 %	7.1 %	0.9 %	0.5 %	0.7 %	128.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	13.3898 ppm	0.0076 ppm	0.0222 ppm	3.8094 ppm	0.0006 ppm	0.1245 ppm
Concentration per Run 1	0.0040 ppm	13.6104 ppm	0.0074 ppm	0.0223 ppm	3.7957 ppm	0.0010 ppm	0.1244 ppm
Concentration per Run 2	0.0007 ppm	13.4983 ppm	0.0079 ppm	0.0221 ppm	3.8049 ppm	0.0004 ppm	0.1241 ppm
Concentration per Run 3	-0.0005 ppm	13.0605 ppm	0.0075 ppm	0.0222 ppm	3.8275 ppm	0.0005 ppm	0.1249 ppm
Concentration RSD	166.0 %	2.2 %	3.9 %	0.4 %	0.4 %	43.9 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1590 ppm	113.3773 %	107.5184 %	102.2676 %	112.4529 %	95.5444 %	107.8585 %
Concentration per Run 1	0.1593 ppm	112.3321 %	107.9142 %	102.2944 %	110.9823 %	95.6059 %	108.1583 %
Concentration per Run 2	0.1589 ppm	114.4052 %	107.4212 %	102.3805 %	113.7040 %	95.5591 %	107.6936 %
Concentration per Run 3	0.1588 ppm	113.3946 %	107.2199 %	102.1280 %	112.6723 %	95.4681 %	107.7236 %
Concentration RSD	0.2 %	0.9 %	0.3 %	0.1 %	1.2 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2555667-55D2 WG2118037
 Analysis started at: 9/25/2025 12:32:35
 Comments: <Comment>
 Rack: 1
 Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0006 ppm	71.4980 ppm	0.0790 ppm	-0.0002 ppm	0.1529 ppm	0.0024 ppm	3.8007 ppm
Concentration per Run 1	-0.0002 ppm	71.7664 ppm	0.0774 ppm	-0.0006 ppm	0.1534 ppm	0.0024 ppm	3.8027 ppm
Concentration per Run 2	-0.0003 ppm	71.3719 ppm	0.0793 ppm	0.0002 ppm	0.1526 ppm	0.0023 ppm	3.7966 ppm
Concentration per Run 3	-0.0012 ppm	71.3557 ppm	0.0802 ppm	-0.0001 ppm	0.1529 ppm	0.0024 ppm	3.8027 ppm
Concentration RSD	91.5 %	0.3 %	1.8 %	213.7 %	0.3 %	0.7 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0008 ppm	0.0252 ppm	0.1168 ppm	0.0543 ppm	73.6603 ppm	7.5761 ppm	0.1101 ppm
Concentration per Run 1	-0.0007 ppm	0.0249 ppm	0.1169 ppm	0.0541 ppm	73.8237 ppm	7.6012 ppm	0.1108 ppm
Concentration per Run 2	-0.0009 ppm	0.0248 ppm	0.1164 ppm	0.0546 ppm	73.5987 ppm	7.5814 ppm	0.1090 ppm
Concentration per Run 3	-0.0009 ppm	0.0257 ppm	0.1171 ppm	0.0543 ppm	73.5585 ppm	7.5456 ppm	0.1104 ppm
Concentration RSD	15.5 %	2.0 %	0.3 %	0.4 %	0.2 %	0.4 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	19.6271 ppm	0.7779 ppm	0.0029 ppm	4.2886 ppm	0.0638 ppm	0.0506 ppm	0.0005 ppm
Concentration per Run 1	19.5921 ppm	0.7790 ppm	0.0031 ppm	4.2893 ppm	0.0636 ppm	0.0501 ppm	0.0007 ppm
Concentration per Run 2	19.6366 ppm	0.7777 ppm	0.0030 ppm	4.2943 ppm	0.0640 ppm	0.0491 ppm	0.0001 ppm
Concentration per Run 3	19.6525 ppm	0.7771 ppm	0.0027 ppm	4.2821 ppm	0.0637 ppm	0.0526 ppm	0.0008 ppm
Concentration RSD	0.2 %	0.1 %	6.4 %	0.1 %	0.3 %	3.6 %	75.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	7.8633 ppm	0.0122 ppm	0.0188 ppm	3.5756 ppm	0.0004 ppm	0.1336 ppm
Concentration per Run 1	-0.0004 ppm	7.8046 ppm	0.0119 ppm	0.0188 ppm	3.5721 ppm	0.0020 ppm	0.1339 ppm
Concentration per Run 2	0.0023 ppm	7.8258 ppm	0.0129 ppm	0.0188 ppm	3.5803 ppm	0.0004 ppm	0.1338 ppm
Concentration per Run 3	0.0002 ppm	7.9595 ppm	0.0119 ppm	0.0188 ppm	3.5743 ppm	-0.0013 ppm	0.1331 ppm
Concentration RSD	202.7 %	1.1 %	5.1 %	0.2 %	0.1 %	446.4 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1477 ppm	112.4870 %	106.4222 %	100.6716 %	113.6305 %	95.6156 %	108.1767 %
Concentration per Run 1	0.1466 ppm	112.5487 %	106.5671 %	101.1057 %	113.4708 %	96.1965 %	108.3587 %
Concentration per Run 2	0.1477 ppm	112.5483 %	106.4221 %	101.1865 %	113.7600 %	95.9611 %	108.1947 %
Concentration per Run 3	0.1489 ppm	112.3641 %	106.2775 %	99.7226 %	113.6609 %	94.6891 %	107.9767 %
Concentration RSD	0.8 %	0.1 %	0.1 %	0.8 %	0.1 %	0.8 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558973-01D2 WG2118037
 Analysis started at: 9/25/2025 12:36:57
 Comments: <Comment>
 Rack: 1
 Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0010 ppm	64.0500 ppm	0.0488 ppm	0.0089 ppm	0.2979 ppm	0.0027 ppm	51.4368 ppm
Concentration per Run 1	-0.0010 ppm	64.1502 ppm	0.0485 ppm	0.0086 ppm	0.2979 ppm	0.0027 ppm	51.3757 ppm
Concentration per Run 2	-0.0013 ppm	64.0021 ppm	0.0499 ppm	0.0092 ppm	0.2976 ppm	0.0027 ppm	51.4527 ppm
Concentration per Run 3	-0.0008 ppm	63.9978 ppm	0.0479 ppm	0.0089 ppm	0.2982 ppm	0.0027 ppm	51.4821 ppm
Concentration RSD	22.6 %	0.1 %	2.1 %	3.5 %	0.1 %	1.2 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0584 ppm	0.1391 ppm	0.1342 ppm	115.7266 ppm	8.0721 ppm	0.0976 ppm
Concentration per Run 1	-0.0001 ppm	0.0583 ppm	0.1388 ppm	0.1338 ppm	115.8036 ppm	8.0768 ppm	0.0971 ppm
Concentration per Run 2	-0.0001 ppm	0.0584 ppm	0.1391 ppm	0.1345 ppm	115.6828 ppm	8.0690 ppm	0.0982 ppm
Concentration per Run 3	-0.0001 ppm	0.0585 ppm	0.1394 ppm	0.1343 ppm	115.6934 ppm	8.0706 ppm	0.0976 ppm
Concentration RSD	33.1 %	0.1 %	0.2 %	0.2 %	0.1 %	0.1 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	32.8274 ppm	2.2186 ppm	0.0036 ppm	0.8451 ppm	0.1403 ppm	0.2333 ppm	0.0018 ppm
Concentration per Run 1	32.8185 ppm	2.2220 ppm	0.0037 ppm	0.8401 ppm	0.1413 ppm	0.2331 ppm	0.0034 ppm
Concentration per Run 2	32.8296 ppm	2.2153 ppm	0.0033 ppm	0.8421 ppm	0.1394 ppm	0.2345 ppm	0.0009 ppm
Concentration per Run 3	32.8340 ppm	2.2186 ppm	0.0037 ppm	0.8531 ppm	0.1402 ppm	0.2323 ppm	0.0011 ppm
Concentration RSD	0.0 %	0.2 %	6.3 %	0.8 %	0.7 %	0.5 %	77.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0010 ppm	6.0788 ppm	0.0130 ppm	0.1934 ppm	2.8705 ppm	-0.0019 ppm	0.1785 ppm
Concentration per Run 1	-0.0011 ppm	6.0896 ppm	0.0131 ppm	0.1939 ppm	2.8691 ppm	-0.0028 ppm	0.1783 ppm
Concentration per Run 2	-0.0001 ppm	6.0772 ppm	0.0131 ppm	0.1931 ppm	2.8691 ppm	-0.0010 ppm	0.1783 ppm
Concentration per Run 3	-0.0018 ppm	6.0696 ppm	0.0129 ppm	0.1931 ppm	2.8732 ppm	-0.0020 ppm	0.1790 ppm
Concentration RSD	86.1 %	0.2 %	1.0 %	0.2 %	0.1 %	47.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.7117 ppm	121.0090 %	114.3546 %	107.1867 %	112.4563 %	92.9370 %	106.8067 %
Concentration per Run 1	0.7116 ppm	121.4713 %	114.3980 %	107.2283 %	112.6796 %	92.9164 %	106.8465 %
Concentration per Run 2	0.7137 ppm	120.9089 %	114.4187 %	107.0839 %	112.4206 %	92.8267 %	106.7464 %
Concentration per Run 3	0.7098 ppm	120.6467 %	114.2471 %	107.2480 %	112.2687 %	93.0679 %	106.8273 %
Concentration RSD	0.3 %	0.3 %	0.1 %	0.1 %	0.2 %	0.1 %	0.0 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2558973-02D2 WG2118037
 Analysis started at: 9/25/2025 12:41:17
 Comments: <Comment>
 Rack: 1
 Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	40.1336 ppm	0.0978 ppm	0.0099 ppm	0.1442 ppm	0.0031 ppm	5.7394 ppm
Concentration per Run 1	-0.0002 ppm	40.1112 ppm	0.0973 ppm	0.0104 ppm	0.1437 ppm	0.0031 ppm	5.7211 ppm
Concentration per Run 2	-0.0009 ppm	40.1458 ppm	0.0974 ppm	0.0096 ppm	0.1442 ppm	0.0031 ppm	5.7490 ppm
Concentration per Run 3	-0.0004 ppm	40.1438 ppm	0.0988 ppm	0.0097 ppm	0.1447 ppm	0.0031 ppm	5.7483 ppm
Concentration RSD	65.2 %	0.0 %	0.9 %	4.8 %	0.4 %	0.8 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0384 ppm	0.1047 ppm	0.0826 ppm	103.2535 ppm	5.0339 ppm	0.0627 ppm
Concentration per Run 1	-0.0001 ppm	0.0385 ppm	0.1049 ppm	0.0828 ppm	103.1936 ppm	5.0713 ppm	0.0628 ppm
Concentration per Run 2	-0.0002 ppm	0.0385 ppm	0.1042 ppm	0.0824 ppm	103.2394 ppm	4.9872 ppm	0.0624 ppm
Concentration per Run 3	-0.0002 ppm	0.0382 ppm	0.1049 ppm	0.0827 ppm	103.3274 ppm	5.0431 ppm	0.0630 ppm
Concentration RSD	43.9 %	0.5 %	0.4 %	0.3 %	0.1 %	0.8 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	17.4921 ppm	1.5177 ppm	0.0043 ppm	0.7516 ppm	0.0820 ppm	0.1230 ppm	0.0015 ppm
Concentration per Run 1	17.5058 ppm	1.5153 ppm	0.0043 ppm	0.7445 ppm	0.0826 ppm	0.1225 ppm	0.0000 ppm
Concentration per Run 2	17.4410 ppm	1.5177 ppm	0.0043 ppm	0.7514 ppm	0.0823 ppm	0.1238 ppm	0.0010 ppm
Concentration per Run 3	17.5294 ppm	1.5201 ppm	0.0042 ppm	0.7588 ppm	0.0811 ppm	0.1227 ppm	0.0034 ppm
Concentration RSD	0.3 %	0.2 %	1.4 %	0.9 %	1.0 %	0.6 %	118.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0008 ppm	2.1342 ppm	0.0081 ppm	0.0334 ppm	1.5176 ppm	-0.0002 ppm	0.1781 ppm
Concentration per Run 1	-0.0019 ppm	2.1321 ppm	0.0091 ppm	0.0333 ppm	1.5167 ppm	-0.0005 ppm	0.1775 ppm
Concentration per Run 2	0.0004 ppm	2.1380 ppm	0.0076 ppm	0.0333 ppm	1.5146 ppm	-0.0002 ppm	0.1772 ppm
Concentration per Run 3	-0.0010 ppm	2.1324 ppm	0.0075 ppm	0.0336 ppm	1.5216 ppm	0.0001 ppm	0.1796 ppm
Concentration RSD	139.8 %	0.2 %	11.3 %	0.5 %	0.2 %	142.9 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3185 ppm	115.2303 %	110.7914 %	103.8363 %	113.1751 %	97.7115 %	109.5651 %
Concentration per Run 1	0.3181 ppm	115.3275 %	110.4777 %	103.8380 %	112.9230 %	97.8954 %	109.2898 %
Concentration per Run 2	0.3184 ppm	114.9138 %	111.3493 %	103.9590 %	113.0316 %	97.6765 %	110.0752 %
Concentration per Run 3	0.3190 ppm	115.4496 %	110.5472 %	103.7119 %	113.5706 %	97.5626 %	109.3302 %
Concentration RSD	0.2 %	0.2 %	0.4 %	0.1 %	0.3 %	0.2 %	0.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
Analysis started at: 9/25/2025 12:45:38
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4503 ppm	0.4539 ppm	0.4746 ppm	0.4793 ppm	0.4623 ppm	0.4615 ppm	0.4543 ppm
Concentration per Run 1	0.4501 ppm	0.4624 ppm	0.4734 ppm	0.4777 ppm	0.4640 ppm	0.4656 ppm	0.4600 ppm
Concentration per Run 2	0.4498 ppm	0.4500 ppm	0.4752 ppm	0.4797 ppm	0.4606 ppm	0.4589 ppm	0.4545 ppm
Concentration per Run 3	0.4509 ppm	0.4494 ppm	0.4751 ppm	0.4805 ppm	0.4624 ppm	0.4600 ppm	0.4483 ppm
Recovery Percentage 1	90.053 %	90.785 %	94.913 %	95.864 %	92.463 %	92.302 %	90.854 %
Concentration RSD	0.1 %	1.6 %	0.2 %	0.3 %	0.4 %	0.8 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4987 ppm	0.4701 ppm	0.4941 ppm	0.4734 ppm	0.4808 ppm	4.6183 ppm	0.4663 ppm
Concentration per Run 1	0.4979 ppm	0.4691 ppm	0.4941 ppm	0.4726 ppm	0.4896 ppm	4.6325 ppm	0.4692 ppm
Concentration per Run 2	0.4989 ppm	0.4695 ppm	0.4944 ppm	0.4731 ppm	0.4784 ppm	4.6002 ppm	0.4633 ppm
Concentration per Run 3	0.4994 ppm	0.4716 ppm	0.4937 ppm	0.4745 ppm	0.4745 ppm	4.6222 ppm	0.4662 ppm
Recovery Percentage 1	99.747 %	94.015 %	98.812 %	94.678 %	96.167 %	92.367 %	93.253 %
Concentration RSD	0.2 %	0.3 %	0.1 %	0.2 %	1.6 %	0.4 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5126 ppm	0.4570 ppm	0.4904 ppm	8.6262 ppm	0.5052 ppm	0.5220 ppm	0.4888 ppm
Concentration per Run 1	0.5105 ppm	0.4612 ppm	0.4885 ppm	8.6921 ppm	0.5052 ppm	0.5203 ppm	0.4871 ppm
Concentration per Run 2	0.5146 ppm	0.4543 ppm	0.4904 ppm	8.5622 ppm	0.5058 ppm	0.5223 ppm	0.4873 ppm
Concentration per Run 3	0.5126 ppm	0.4556 ppm	0.4924 ppm	8.6243 ppm	0.5045 ppm	0.5234 ppm	0.4919 ppm
Recovery Percentage 1	102.516 %	91.401 %	98.087 %	86.262 %	101.037 %	104.407 %	97.753 %
Concentration RSD	0.4 %	0.8 %	0.4 %	0.8 %	0.1 %	0.3 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.5051 ppm	5.6095 ppm	0.4776 ppm	0.4568 ppm	0.4966 ppm	0.5001 ppm	0.5003 ppm
Concentration per Run 1	0.5044 ppm	5.5938 ppm	0.4766 ppm	0.4602 ppm	0.4960 ppm	0.4982 ppm	0.4993 ppm
Concentration per Run 2	0.5067 ppm	5.6102 ppm	0.4784 ppm	0.4537 ppm	0.4962 ppm	0.4998 ppm	0.5004 ppm
Concentration per Run 3	0.5044 ppm	5.6245 ppm	0.4779 ppm	0.4563 ppm	0.4975 ppm	0.5023 ppm	0.5012 ppm
Recovery Percentage 1	101.026 %	106.847 %	95.521 %	91.351 %	99.316 %	100.025 %	100.057 %
Concentration RSD	0.3 %	0.3 %	0.2 %	0.7 %	0.2 %	0.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5089 ppm	105.0136 %	103.1301 %	96.7455 %	110.8461 %	101.3049 %	109.6600 %
Concentration per Run 1	0.5078 ppm	103.8811 %	103.5323 %	96.8777 %	109.2834 %	101.6483 %	109.9968 %
Concentration per Run 2	0.5099 ppm	105.7564 %	102.7918 %	96.7638 %	111.8797 %	101.3776 %	109.2644 %
Concentration per Run 3	0.5089 ppm	105.4033 %	103.0661 %	96.5951 %	111.3751 %	100.8888 %	109.7187 %
Recovery Percentage 1	101.771 %						
Concentration RSD	0.2 %	0.9 %	0.4 %	0.1 %	1.2 %	0.4 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
 Analysis started at: 9/25/2025 12:49:54
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0018 ppm	-0.0008 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0025 ppm
Concentration per Run 1	-0.0002 ppm	0.0053 ppm	-0.0011 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 2	-0.0002 ppm	-0.0010 ppm	-0.0006 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0027 ppm
Concentration per Run 3	0.0004 ppm	0.0010 ppm	-0.0007 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0094 ppm
Recovery Percentage 1	0.368 %	1.781 %	-16.054 %	1.124 %	-0.021 %	0.973 %	2.538 %
Concentration RSD	1,910.5 %	178.8 %	28.0 %	69.8 %	2,167.6 %	37.8 %	244.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0008 ppm	0.0010 ppm	0.0291 ppm	0.0000 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	-0.0002 ppm	-0.0008 ppm	0.0014 ppm	0.0286 ppm	-0.0007 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0008 ppm	0.0005 ppm	0.0330 ppm	0.0000 ppm
Concentration per Run 3	-0.0002 ppm	0.0001 ppm	-0.0002 ppm	-0.0007 ppm	0.0011 ppm	0.0255 ppm	0.0008 ppm
Recovery Percentage 1	-3.053 %	1.320 %	-1.770 %	-7.739 %	2.021 %	1.162 %	0.177 %
Concentration RSD	37.7 %	26.4 %	36.8 %	6.3 %	43.2 %	12.9 %	4,186.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0038 ppm	-0.0003 ppm	0.0003 ppm	0.0108 ppm	-0.0001 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run 1	0.0047 ppm	-0.0005 ppm	0.0004 ppm	0.0095 ppm	-0.0001 ppm	0.0002 ppm	0.0029 ppm
Concentration per Run 2	0.0042 ppm	0.0000 ppm	0.0003 ppm	0.0017 ppm	0.0002 ppm	-0.0003 ppm	0.0006 ppm
Concentration per Run 3	0.0027 ppm	-0.0003 ppm	0.0003 ppm	0.0211 ppm	-0.0004 ppm	0.0001 ppm	0.0004 ppm
Recovery Percentage 1	3.828 %	-2.748 %	0.648 %	0.539 %	-0.384 %	0.142 %	2.603 %
Concentration RSD	27.4 %	90.2 %	25.6 %	90.4 %	316.1 %	2,113.1 %	109.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0010 ppm	0.0053 ppm	0.0006 ppm	0.0003 ppm	0.0002 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run 1	-0.0005 ppm	0.0057 ppm	0.0004 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 2	-0.0014 ppm	0.0052 ppm	0.0007 ppm	0.0003 ppm	0.0003 ppm	0.0016 ppm	0.0000 ppm
Concentration per Run 3	-0.0013 ppm	0.0049 ppm	0.0005 ppm	0.0004 ppm	0.0003 ppm	0.0006 ppm	-0.0001 ppm
Recovery Percentage 1	-10.371 %	1.054 %	1.114 %	3.355 %	2.071 %	3.650 %	-0.895 %
Concentration RSD	47.1 %	8.4 %	25.2 %	12.2 %	47.1 %	106.8 %	73.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	105.5063 %	103.9605 %	96.9182 %	109.1419 %	103.5014 %	108.8267 %
Concentration per Run 1	0.0003 ppm	105.9717 %	104.5631 %	97.6150 %	108.8931 %	104.1624 %	109.3340 %
Concentration per Run 2	0.0002 ppm	105.5090 %	103.6884 %	97.4662 %	109.4004 %	103.8529 %	108.6233 %
Concentration per Run 3	0.0003 ppm	105.0382 %	103.6300 %	95.6735 %	109.1323 %	102.4888 %	108.5227 %
Recovery Percentage 1	4.968 %						
Concentration RSD	16.3 %	0.4 %	0.5 %	1.1 %	0.2 %	0.9 %	0.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2559149-01D2 WG2118037
 Analysis started at: 9/25/2025 13:06:19
 Comments: <Comment>
 Rack: 1
 Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0009 ppm	77.5493 ppm	0.0381 ppm	0.0047 ppm	0.4025 ppm	0.0026 ppm	24.0737 ppm
Concentration per Run 1	-0.0012 ppm	77.2457 ppm	0.0384 ppm	0.0045 ppm	0.4032 ppm	0.0025 ppm	24.0238 ppm
Concentration per Run 2	-0.0008 ppm	77.5513 ppm	0.0365 ppm	0.0050 ppm	0.4026 ppm	0.0026 ppm	24.0492 ppm
Concentration per Run 3	-0.0006 ppm	77.8508 ppm	0.0395 ppm	0.0047 ppm	0.4016 ppm	0.0026 ppm	24.1482 ppm
Concentration RSD	32.6 %	0.4 %	4.0 %	5.1 %	0.2 %	1.3 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0003 ppm	0.0574 ppm	0.1040 ppm	0.1640 ppm	117.7169 ppm	5.5573 ppm	0.0816 ppm
Concentration per Run 1	0.0004 ppm	0.0579 ppm	0.1039 ppm	0.1643 ppm	117.2878 ppm	5.5400 ppm	0.0802 ppm
Concentration per Run 2	0.0002 ppm	0.0571 ppm	0.1043 ppm	0.1640 ppm	117.7531 ppm	5.5448 ppm	0.0827 ppm
Concentration per Run 3	0.0002 ppm	0.0573 ppm	0.1039 ppm	0.1637 ppm	118.1098 ppm	5.5871 ppm	0.0819 ppm
Concentration RSD	37.8 %	0.7 %	0.2 %	0.2 %	0.4 %	0.5 %	1.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	22.6135 ppm	2.7885 ppm	0.0023 ppm	4.1348 ppm	0.0961 ppm	1.3821 ppm	0.0003 ppm
Concentration per Run 1	22.6038 ppm	2.7796 ppm	0.0020 ppm	4.1221 ppm	0.0954 ppm	1.3798 ppm	-0.0016 ppm
Concentration per Run 2	22.6515 ppm	2.7900 ppm	0.0025 ppm	4.1304 ppm	0.0971 ppm	1.3812 ppm	0.0005 ppm
Concentration per Run 3	22.5851 ppm	2.7959 ppm	0.0023 ppm	4.1519 ppm	0.0957 ppm	1.3852 ppm	0.0019 ppm
Concentration RSD	0.2 %	0.3 %	11.3 %	0.4 %	0.9 %	0.2 %	658.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0014 ppm	3.5356 ppm	0.0204 ppm	0.1003 ppm	3.7961 ppm	-0.0007 ppm	0.1870 ppm
Concentration per Run 1	-0.0030 ppm	3.5313 ppm	0.0204 ppm	0.0998 ppm	3.7995 ppm	-0.0003 ppm	0.1870 ppm
Concentration per Run 2	0.0002 ppm	3.5311 ppm	0.0212 ppm	0.1002 ppm	3.7948 ppm	-0.0021 ppm	0.1873 ppm
Concentration per Run 3	-0.0013 ppm	3.5444 ppm	0.0196 ppm	0.1009 ppm	3.7941 ppm	0.0002 ppm	0.1868 ppm
Concentration RSD	117.0 %	0.2 %	4.0 %	0.6 %	0.1 %	171.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6977 ppm	119.5035 %	113.9573 %	107.8351 %	113.2699 %	94.9346 %	107.6306 %
Concentration per Run 1	0.6970 ppm	118.8518 %	114.1116 %	107.8342 %	113.3700 %	94.9752 %	107.8772 %
Concentration per Run 2	0.6955 ppm	119.8728 %	113.8136 %	107.8031 %	113.5904 %	95.0703 %	107.4865 %
Concentration per Run 3	0.7007 ppm	119.7860 %	113.9467 %	107.8681 %	112.8492 %	94.7584 %	107.5280 %
Concentration RSD	0.4 %	0.5 %	0.1 %	0.0 %	0.3 %	0.2 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2559152-01D2 WG2118037
 Analysis started at: 9/25/2025 13:10:38
 Comments: <Comment>
 Rack: 1
 Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0011 ppm	53.9043 ppm	0.0471 ppm	0.0020 ppm	0.1427 ppm	0.0026 ppm	6.6372 ppm
Concentration per Run 1	-0.0013 ppm	53.9128 ppm	0.0454 ppm	0.0017 ppm	0.1427 ppm	0.0026 ppm	6.6365 ppm
Concentration per Run 2	-0.0011 ppm	53.8671 ppm	0.0462 ppm	0.0028 ppm	0.1428 ppm	0.0026 ppm	6.6343 ppm
Concentration per Run 3	-0.0008 ppm	53.9329 ppm	0.0496 ppm	0.0016 ppm	0.1425 ppm	0.0027 ppm	6.6407 ppm
Concentration RSD	25.6 %	0.1 %	4.7 %	33.5 %	0.1 %	1.9 %	0.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0409 ppm	0.0650 ppm	0.0671 ppm	94.8060 ppm	3.6208 ppm	0.0869 ppm
Concentration per Run 1	-0.0004 ppm	0.0408 ppm	0.0649 ppm	0.0671 ppm	94.8876 ppm	3.6316 ppm	0.0865 ppm
Concentration per Run 2	-0.0005 ppm	0.0411 ppm	0.0654 ppm	0.0672 ppm	94.7006 ppm	3.6280 ppm	0.0860 ppm
Concentration per Run 3	-0.0004 ppm	0.0408 ppm	0.0646 ppm	0.0671 ppm	94.8297 ppm	3.6027 ppm	0.0882 ppm
Concentration RSD	8.5 %	0.4 %	0.6 %	0.1 %	0.1 %	0.4 %	1.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.2004 ppm	1.7187 ppm	0.0063 ppm	1.1878 ppm	0.0659 ppm	0.1123 ppm	0.0010 ppm
Concentration per Run 1	14.1955 ppm	1.7183 ppm	0.0062 ppm	1.1768 ppm	0.0659 ppm	0.1125 ppm	0.0008 ppm
Concentration per Run 2	14.2484 ppm	1.7157 ppm	0.0065 ppm	1.1784 ppm	0.0662 ppm	0.1112 ppm	-0.0002 ppm
Concentration per Run 3	14.1574 ppm	1.7223 ppm	0.0061 ppm	1.2082 ppm	0.0658 ppm	0.1131 ppm	0.0024 ppm
Concentration RSD	0.3 %	0.2 %	2.9 %	1.5 %	0.3 %	0.8 %	126.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0001 ppm	5.0931 ppm	0.0093 ppm	0.0465 ppm	2.0696 ppm	-0.0019 ppm	0.0991 ppm
Concentration per Run 1	0.0040 ppm	5.0889 ppm	0.0100 ppm	0.0463 ppm	2.0699 ppm	-0.0021 ppm	0.0992 ppm
Concentration per Run 2	-0.0029 ppm	5.1026 ppm	0.0087 ppm	0.0464 ppm	2.0715 ppm	-0.0019 ppm	0.0990 ppm
Concentration per Run 3	-0.0014 ppm	5.0878 ppm	0.0093 ppm	0.0467 ppm	2.0674 ppm	-0.0017 ppm	0.0991 ppm
Concentration RSD	3,168.8 %	0.2 %	7.2 %	0.4 %	0.1 %	10.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2761 ppm	122.7633 %	116.9740 %	110.0957 %	112.0589 %	96.0909 %	107.5925 %
Concentration per Run 1	0.2760 ppm	122.8080 %	117.1125 %	110.3206 %	112.0909 %	96.1993 %	107.6938 %
Concentration per Run 2	0.2764 ppm	122.2503 %	116.6254 %	110.2545 %	111.8197 %	96.0088 %	107.3531 %
Concentration per Run 3	0.2760 ppm	123.2317 %	117.1841 %	109.7121 %	112.2660 %	96.0647 %	107.7305 %
Concentration RSD	0.1 %	0.4 %	0.3 %	0.3 %	0.2 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2559152-03D2 WG2118037
 Analysis started at: 9/25/2025 13:15:00
 Comments: <Comment>
 Rack: 1
 Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0015 ppm	63.2886 ppm	0.0533 ppm	0.0026 ppm	0.1494 ppm	0.0027 ppm	8.0141 ppm
Concentration per Run 1	-0.0018 ppm	63.5806 ppm	0.0507 ppm	0.0024 ppm	0.1495 ppm	0.0027 ppm	8.0589 ppm
Concentration per Run 2	-0.0016 ppm	63.2196 ppm	0.0537 ppm	0.0029 ppm	0.1496 ppm	0.0027 ppm	8.0177 ppm
Concentration per Run 3	-0.0011 ppm	63.0655 ppm	0.0555 ppm	0.0026 ppm	0.1491 ppm	0.0027 ppm	7.9657 ppm
Concentration RSD	23.0 %	0.4 %	4.5 %	8.3 %	0.2 %	0.9 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0007 ppm	0.0471 ppm	0.0739 ppm	0.0808 ppm	117.4225 ppm	3.9449 ppm	0.1091 ppm
Concentration per Run 1	-0.0007 ppm	0.0470 ppm	0.0737 ppm	0.0806 ppm	117.9558 ppm	3.9701 ppm	0.1084 ppm
Concentration per Run 2	-0.0007 ppm	0.0471 ppm	0.0740 ppm	0.0809 ppm	117.3810 ppm	3.9432 ppm	0.1100 ppm
Concentration per Run 3	-0.0007 ppm	0.0472 ppm	0.0741 ppm	0.0809 ppm	116.9307 ppm	3.9212 ppm	0.1089 ppm
Concentration RSD	2.2 %	0.2 %	0.3 %	0.2 %	0.4 %	0.6 %	0.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	17.4401 ppm	1.8714 ppm	0.0056 ppm	1.4151 ppm	0.0837 ppm	0.1239 ppm	0.0011 ppm
Concentration per Run 1	17.4307 ppm	1.8781 ppm	0.0056 ppm	1.4212 ppm	0.0841 ppm	0.1261 ppm	-0.0001 ppm
Concentration per Run 2	17.4903 ppm	1.8693 ppm	0.0056 ppm	1.4132 ppm	0.0833 ppm	0.1219 ppm	0.0026 ppm
Concentration per Run 3	17.3993 ppm	1.8667 ppm	0.0055 ppm	1.4111 ppm	0.0839 ppm	0.1236 ppm	0.0007 ppm
Concentration RSD	0.3 %	0.3 %	1.8 %	0.4 %	0.5 %	1.7 %	131.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0019 ppm	5.3273 ppm	0.0089 ppm	0.0531 ppm	2.1578 ppm	-0.0029 ppm	0.1046 ppm
Concentration per Run 1	0.0008 ppm	5.3240 ppm	0.0105 ppm	0.0531 ppm	2.1601 ppm	-0.0035 ppm	0.1050 ppm
Concentration per Run 2	-0.0022 ppm	5.3322 ppm	0.0084 ppm	0.0530 ppm	2.1602 ppm	-0.0014 ppm	0.1045 ppm
Concentration per Run 3	-0.0043 ppm	5.3257 ppm	0.0078 ppm	0.0532 ppm	2.1532 ppm	-0.0037 ppm	0.1042 ppm
Concentration RSD	132.1 %	0.1 %	15.8 %	0.2 %	0.2 %	43.1 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3306 ppm	128.8652 %	122.6316 %	114.7824 %	112.5267 %	94.8282 %	107.8668 %
Concentration per Run 1	0.3301 ppm	128.7764 %	122.5757 %	114.7370 %	112.0649 %	94.8428 %	107.7821 %
Concentration per Run 2	0.3302 ppm	128.0835 %	122.3221 %	114.9971 %	112.1876 %	94.9240 %	107.6430 %
Concentration per Run 3	0.3316 ppm	129.7356 %	122.9970 %	114.6130 %	113.3276 %	94.7178 %	108.1753 %
Concentration RSD	0.3 %	0.6 %	0.3 %	0.2 %	0.6 %	0.1 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2559152-05D2 WG2118037
 Analysis started at: 9/25/2025 13:19:21
 Comments: <Comment>
 Rack: 1
 Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0010 ppm	56.3626 ppm	0.0498 ppm	0.0022 ppm	0.1404 ppm	0.0027 ppm	8.1396 ppm
Concentration per Run 1	-0.0009 ppm	56.7910 ppm	0.0517 ppm	0.0018 ppm	0.1410 ppm	0.0028 ppm	8.2108 ppm
Concentration per Run 2	-0.0012 ppm	56.1228 ppm	0.0495 ppm	0.0028 ppm	0.1400 ppm	0.0027 ppm	8.0992 ppm
Concentration per Run 3	-0.0010 ppm	56.1739 ppm	0.0483 ppm	0.0021 ppm	0.1403 ppm	0.0027 ppm	8.1090 ppm
Concentration RSD	16.8 %	0.7 %	3.5 %	24.1 %	0.4 %	2.3 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0006 ppm	0.0431 ppm	0.0729 ppm	0.0669 ppm	105.0848 ppm	4.2021 ppm	0.0993 ppm
Concentration per Run 1	-0.0006 ppm	0.0428 ppm	0.0734 ppm	0.0667 ppm	105.9726 ppm	4.2262 ppm	0.1000 ppm
Concentration per Run 2	-0.0006 ppm	0.0433 ppm	0.0732 ppm	0.0669 ppm	104.5606 ppm	4.2132 ppm	0.0998 ppm
Concentration per Run 3	-0.0005 ppm	0.0433 ppm	0.0722 ppm	0.0670 ppm	104.7211 ppm	4.1669 ppm	0.0982 ppm
Concentration RSD	5.2 %	0.6 %	0.8 %	0.2 %	0.7 %	0.7 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.3011 ppm	1.7633 ppm	0.0081 ppm	1.1858 ppm	0.0729 ppm	0.1108 ppm	0.0013 ppm
Concentration per Run 1	16.3000 ppm	1.7802 ppm	0.0080 ppm	1.1912 ppm	0.0727 ppm	0.1098 ppm	0.0016 ppm
Concentration per Run 2	16.3501 ppm	1.7532 ppm	0.0082 ppm	1.1834 ppm	0.0729 ppm	0.1100 ppm	0.0009 ppm
Concentration per Run 3	16.2531 ppm	1.7564 ppm	0.0081 ppm	1.1829 ppm	0.0731 ppm	0.1125 ppm	0.0012 ppm
Concentration RSD	0.3 %	0.8 %	1.3 %	0.4 %	0.3 %	1.4 %	26.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	4.7116 ppm	0.0085 ppm	0.0467 ppm	2.1509 ppm	-0.0031 ppm	0.1077 ppm
Concentration per Run 1	0.0000 ppm	4.7003 ppm	0.0083 ppm	0.0469 ppm	2.1503 ppm	-0.0022 ppm	0.1073 ppm
Concentration per Run 2	-0.0012 ppm	4.7147 ppm	0.0089 ppm	0.0466 ppm	2.1559 ppm	-0.0024 ppm	0.1079 ppm
Concentration per Run 3	0.0004 ppm	4.7197 ppm	0.0083 ppm	0.0467 ppm	2.1464 ppm	-0.0046 ppm	0.1079 ppm
Concentration RSD	311.0 %	0.2 %	3.7 %	0.3 %	0.2 %	43.0 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3093 ppm	123.4588 %	118.0360 %	110.5638 %	112.2261 %	95.6179 %	108.2086 %
Concentration per Run 1	0.3094 ppm	122.4719 %	117.9386 %	110.3386 %	110.9688 %	95.7109 %	108.1848 %
Concentration per Run 2	0.3084 ppm	124.3842 %	117.6718 %	110.8581 %	113.2138 %	95.7595 %	107.8217 %
Concentration per Run 3	0.3102 ppm	123.5204 %	118.4977 %	110.4947 %	112.4958 %	95.3833 %	108.6194 %
Concentration RSD	0.3 %	0.8 %	0.4 %	0.2 %	1.0 %	0.2 %	0.4 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2559158-01D2 WG2118037
 Analysis started at: 9/25/2025 13:23:43
 Comments: <Comment>
 Rack: 1
 Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0004 ppm	66.9621 ppm	0.0283 ppm	0.0049 ppm	0.2568 ppm	0.0018 ppm	7.6725 ppm
Concentration per Run 1	-0.0004 ppm	67.2254 ppm	0.0272 ppm	0.0051 ppm	0.2569 ppm	0.0018 ppm	7.7085 ppm
Concentration per Run 2	-0.0005 ppm	66.7974 ppm	0.0283 ppm	0.0046 ppm	0.2562 ppm	0.0018 ppm	7.6504 ppm
Concentration per Run 3	-0.0005 ppm	66.8635 ppm	0.0293 ppm	0.0049 ppm	0.2573 ppm	0.0018 ppm	7.6584 ppm
Concentration RSD	12.4 %	0.3 %	3.6 %	5.1 %	0.2 %	1.3 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0014 ppm	0.0206 ppm	0.1981 ppm	0.1214 ppm	73.5115 ppm	4.4051 ppm	0.0725 ppm
Concentration per Run 1	0.0014 ppm	0.0206 ppm	0.1981 ppm	0.1212 ppm	73.8012 ppm	4.4421 ppm	0.0728 ppm
Concentration per Run 2	0.0013 ppm	0.0207 ppm	0.1978 ppm	0.1213 ppm	73.3098 ppm	4.3972 ppm	0.0722 ppm
Concentration per Run 3	0.0013 ppm	0.0206 ppm	0.1984 ppm	0.1216 ppm	73.4233 ppm	4.3760 ppm	0.0725 ppm
Concentration RSD	5.4 %	0.2 %	0.2 %	0.2 %	0.4 %	0.8 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.3268 ppm	0.9004 ppm	0.0046 ppm	0.3374 ppm	0.0436 ppm	1.2590 ppm	0.0017 ppm
Concentration per Run 1	12.3121 ppm	0.9044 ppm	0.0046 ppm	0.3390 ppm	0.0441 ppm	1.2707 ppm	0.0016 ppm
Concentration per Run 2	12.3240 ppm	0.8995 ppm	0.0047 ppm	0.3375 ppm	0.0435 ppm	1.2516 ppm	0.0021 ppm
Concentration per Run 3	12.3444 ppm	0.8972 ppm	0.0046 ppm	0.3357 ppm	0.0432 ppm	1.2546 ppm	0.0015 ppm
Concentration RSD	0.1 %	0.4 %	1.4 %	0.5 %	1.1 %	0.8 %	18.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0041 ppm	2.7753 ppm	0.0193 ppm	0.0594 ppm	2.9298 ppm	-0.0002 ppm	0.1598 ppm
Concentration per Run 1	0.0037 ppm	2.7913 ppm	0.0195 ppm	0.0597 ppm	2.9252 ppm	-0.0013 ppm	0.1594 ppm
Concentration per Run 2	0.0050 ppm	2.7625 ppm	0.0195 ppm	0.0590 ppm	2.9305 ppm	0.0002 ppm	0.1597 ppm
Concentration per Run 3	0.0034 ppm	2.7721 ppm	0.0188 ppm	0.0595 ppm	2.9337 ppm	0.0004 ppm	0.1604 ppm
Concentration RSD	21.3 %	0.5 %	2.1 %	0.6 %	0.1 %	352.1 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4865 ppm	117.9329 %	111.9746 %	104.6806 %	112.9709 %	95.7662 %	107.9888 %
Concentration per Run 1	0.4900 ppm	117.4468 %	112.2243 %	104.0317 %	112.1680 %	95.2561 %	108.2231 %
Concentration per Run 2	0.4851 ppm	118.1151 %	111.7827 %	105.2180 %	113.3276 %	96.1207 %	107.8525 %
Concentration per Run 3	0.4844 ppm	118.2368 %	111.9169 %	104.7923 %	113.4170 %	95.9217 %	107.8908 %
Concentration RSD	0.6 %	0.4 %	0.2 %	0.6 %	0.6 %	0.5 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2559158-03D2 WG2118037
 Analysis started at: 9/25/2025 13:28:04
 Comments: <Comment>
 Rack: 1
 Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0008 ppm	47.3545 ppm	0.0160 ppm	0.0083 ppm	0.1623 ppm	0.0016 ppm	57.1687 ppm
Concentration per Run 1	-0.0007 ppm	47.4769 ppm	0.0157 ppm	0.0084 ppm	0.1624 ppm	0.0016 ppm	57.2749 ppm
Concentration per Run 2	-0.0010 ppm	47.2148 ppm	0.0145 ppm	0.0084 ppm	0.1614 ppm	0.0016 ppm	57.1015 ppm
Concentration per Run 3	-0.0007 ppm	47.3718 ppm	0.0178 ppm	0.0082 ppm	0.1632 ppm	0.0017 ppm	57.1297 ppm
Concentration RSD	19.0 %	0.3 %	10.3 %	1.5 %	0.5 %	2.0 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0193 ppm	0.0475 ppm	0.0565 ppm	58.1776 ppm	3.6125 ppm	0.0503 ppm
Concentration per Run 1	-0.0004 ppm	0.0192 ppm	0.0475 ppm	0.0562 ppm	58.3308 ppm	3.6134 ppm	0.0509 ppm
Concentration per Run 2	-0.0003 ppm	0.0194 ppm	0.0475 ppm	0.0567 ppm	58.0280 ppm	3.5972 ppm	0.0501 ppm
Concentration per Run 3	-0.0004 ppm	0.0193 ppm	0.0474 ppm	0.0565 ppm	58.1740 ppm	3.6270 ppm	0.0499 ppm
Concentration RSD	12.7 %	0.5 %	0.1 %	0.4 %	0.3 %	0.4 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.5946 ppm	1.3934 ppm	0.0038 ppm	0.4030 ppm	0.0314 ppm	0.2687 ppm	-0.0002 ppm
Concentration per Run 1	12.5691 ppm	1.3989 ppm	0.0037 ppm	0.4046 ppm	0.0306 ppm	0.2683 ppm	-0.0017 ppm
Concentration per Run 2	12.6082 ppm	1.3902 ppm	0.0036 ppm	0.4070 ppm	0.0317 ppm	0.2689 ppm	0.0007 ppm
Concentration per Run 3	12.6063 ppm	1.3910 ppm	0.0039 ppm	0.3974 ppm	0.0318 ppm	0.2690 ppm	0.0003 ppm
Concentration RSD	0.2 %	0.3 %	4.9 %	1.2 %	2.1 %	0.1 %	557.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	10.6675 ppm	0.0113 ppm	0.2764 ppm	2.1762 ppm	-0.0015 ppm	0.0694 ppm
Concentration per Run 1	0.0013 ppm	10.6458 ppm	0.0125 ppm	0.2774 ppm	2.1697 ppm	-0.0008 ppm	0.0691 ppm
Concentration per Run 2	0.0016 ppm	10.6706 ppm	0.0105 ppm	0.2753 ppm	2.1803 ppm	-0.0014 ppm	0.0695 ppm
Concentration per Run 3	-0.0022 ppm	10.6861 ppm	0.0108 ppm	0.2764 ppm	2.1787 ppm	-0.0023 ppm	0.0696 ppm
Concentration RSD	801.2 %	0.2 %	9.3 %	0.4 %	0.3 %	51.3 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1835 ppm	116.0062 %	110.2402 %	103.1730 %	111.0098 %	93.6920 %	106.4926 %
Concentration per Run 1	0.1841 ppm	116.1429 %	110.4855 %	103.1615 %	110.9760 %	93.7004 %	106.6861 %
Concentration per Run 2	0.1835 ppm	116.2321 %	110.0415 %	103.1273 %	111.1970 %	93.5922 %	106.3007 %
Concentration per Run 3	0.1830 ppm	115.6436 %	110.1936 %	103.2304 %	110.8564 %	93.7834 %	106.4910 %
Concentration RSD	0.3 %	0.3 %	0.2 %	0.1 %	0.2 %	0.1 %	0.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
Analysis started at: 9/25/2025 13:32:25
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4511 ppm	0.4486 ppm	0.4742 ppm	0.4818 ppm	0.4629 ppm	0.4617 ppm	0.4421 ppm
Concentration per Run 1	0.4507 ppm	0.4464 ppm	0.4751 ppm	0.4820 ppm	0.4626 ppm	0.4636 ppm	0.4335 ppm
Concentration per Run 2	0.4512 ppm	0.4467 ppm	0.4732 ppm	0.4821 ppm	0.4625 ppm	0.4610 ppm	0.4448 ppm
Concentration per Run 3	0.4515 ppm	0.4527 ppm	0.4744 ppm	0.4815 ppm	0.4637 ppm	0.4606 ppm	0.4481 ppm
Recovery Percentage 1	90.222 %	89.717 %	94.843 %	96.368 %	92.586 %	92.349 %	88.429 %
Concentration RSD	0.1 %	0.8 %	0.2 %	0.1 %	0.1 %	0.3 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5002 ppm	0.4698 ppm	0.4975 ppm	0.4745 ppm	0.4653 ppm	4.6061 ppm	0.4696 ppm
Concentration per Run 1	0.5001 ppm	0.4700 ppm	0.4963 ppm	0.4746 ppm	0.4648 ppm	4.6258 ppm	0.4706 ppm
Concentration per Run 2	0.5004 ppm	0.4691 ppm	0.4971 ppm	0.4746 ppm	0.4656 ppm	4.5882 ppm	0.4696 ppm
Concentration per Run 3	0.5002 ppm	0.4702 ppm	0.4992 ppm	0.4744 ppm	0.4654 ppm	4.6044 ppm	0.4685 ppm
Recovery Percentage 1	100.048 %	93.958 %	99.509 %	94.906 %	93.055 %	92.123 %	93.917 %
Concentration RSD	0.0 %	0.1 %	0.3 %	0.0 %	0.1 %	0.4 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5115 ppm	0.4578 ppm	0.4928 ppm	8.6359 ppm	0.5074 ppm	0.5251 ppm	0.4909 ppm
Concentration per Run 1	0.5138 ppm	0.4600 ppm	0.4913 ppm	8.6610 ppm	0.5070 ppm	0.5265 ppm	0.4919 ppm
Concentration per Run 2	0.5094 ppm	0.4574 ppm	0.4934 ppm	8.6224 ppm	0.5073 ppm	0.5239 ppm	0.4897 ppm
Concentration per Run 3	0.5112 ppm	0.4559 ppm	0.4936 ppm	8.6242 ppm	0.5078 ppm	0.5248 ppm	0.4911 ppm
Recovery Percentage 1	102.291 %	91.557 %	98.550 %	86.359 %	101.472 %	105.014 %	98.180 %
Concentration RSD	0.4 %	0.4 %	0.3 %	0.3 %	0.1 %	0.3 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.5099 ppm	5.6552 ppm	0.4780 ppm	0.4571 ppm	0.4997 ppm	0.5032 ppm	0.5028 ppm
Concentration per Run 1	0.5101 ppm	5.6593 ppm	0.4772 ppm	0.4586 ppm	0.4996 ppm	0.5019 ppm	0.5020 ppm
Concentration per Run 2	0.5090 ppm	5.6577 ppm	0.4781 ppm	0.4565 ppm	0.4998 ppm	0.5053 ppm	0.5026 ppm
Concentration per Run 3	0.5107 ppm	5.6485 ppm	0.4789 ppm	0.4563 ppm	0.4998 ppm	0.5023 ppm	0.5039 ppm
Recovery Percentage 1	101.981 %	107.718 %	95.610 %	91.423 %	99.949 %	100.635 %	100.567 %
Concentration RSD	0.2 %	0.1 %	0.2 %	0.3 %	0.0 %	0.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5103 ppm	104.1835 %	102.6047 %	95.7958 %	109.9514 %	100.8409 %	109.2838 %
Concentration per Run 1	0.5100 ppm	104.0096 %	103.0038 %	95.8525 %	109.3394 %	100.9850 %	109.6570 %
Concentration per Run 2	0.5105 ppm	104.3794 %	102.5999 %	95.6350 %	110.3075 %	100.8079 %	109.1960 %
Concentration per Run 3	0.5104 ppm	104.1616 %	102.2103 %	95.8998 %	110.2074 %	100.7296 %	108.9986 %
Recovery Percentage 1	102.060 %						
Concentration RSD	0.1 %	0.2 %	0.4 %	0.1 %	0.5 %	0.1 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
 Analysis started at: 9/25/2025 13:36:40
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0010 ppm	-0.0009 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	-0.0014 ppm
Concentration per Run 1	0.0000 ppm	-0.0018 ppm	-0.0027 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0010 ppm
Concentration per Run 2	-0.0004 ppm	-0.0076 ppm	-0.0005 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	-0.0027 ppm
Concentration per Run 3	0.0000 ppm	0.0064 ppm	0.0006 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm	-0.0025 ppm
Recovery Percentage 1	-2.683 %	-0.981 %	-17.166 %	0.986 %	0.774 %	1.252 %	-1.405 %
Concentration RSD	178.2 %	714.5 %	195.7 %	82.1 %	68.5 %	16.3 %	147.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0011 ppm	0.0013 ppm	0.0200 ppm	-0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0010 ppm	0.0016 ppm	0.0302 ppm	-0.0020 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	-0.0002 ppm	-0.0012 ppm	0.0008 ppm	0.0299 ppm	-0.0006 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	-0.0001 ppm	-0.0010 ppm	0.0014 ppm	-0.0001 ppm	0.0007 ppm
Recovery Percentage 1	-2.922 %	0.516 %	-1.707 %	-10.812 %	2.535 %	0.801 %	-6.137 %
Concentration RSD	25.4 %	387.3 %	21.9 %	12.1 %	31.6 %	87.1 %	218.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0034 ppm	-0.0001 ppm	0.0002 ppm	-0.0008 ppm	-0.0002 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 1	0.0024 ppm	-0.0001 ppm	0.0004 ppm	-0.0052 ppm	-0.0001 ppm	-0.0002 ppm	0.0020 ppm
Concentration per Run 2	0.0022 ppm	-0.0001 ppm	0.0002 ppm	0.0007 ppm	0.0000 ppm	-0.0003 ppm	0.0016 ppm
Concentration per Run 3	0.0057 ppm	-0.0001 ppm	0.0001 ppm	0.0022 ppm	-0.0005 ppm	0.0006 ppm	0.0000 ppm
Recovery Percentage 1	3.427 %	-0.956 %	0.475 %	-0.039 %	-0.885 %	0.383 %	2.421 %
Concentration RSD	57.9 %	32.5 %	76.5 %	504.2 %	118.2 %	1,389.8 %	86.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	0.0076 ppm	0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run 1	-0.0022 ppm	0.0078 ppm	-0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 2	-0.0018 ppm	0.0069 ppm	0.0009 ppm	0.0004 ppm	0.0002 ppm	0.0007 ppm	-0.0002 ppm
Concentration per Run 3	0.0018 ppm	0.0080 ppm	0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0007 ppm	0.0001 ppm
Recovery Percentage 1	-7.063 %	1.516 %	0.582 %	3.414 %	1.780 %	2.843 %	-0.527 %
Concentration RSD	311.6 %	8.0 %	173.5 %	16.4 %	101.5 %	30.4 %	304.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	106.1877 %	103.3458 %	95.9170 %	110.8568 %	103.1125 %	109.0475 %
Concentration per Run 1	0.0002 ppm	103.7623 %	103.9049 %	96.1986 %	107.4391 %	102.9992 %	109.6281 %
Concentration per Run 2	0.0003 ppm	103.4244 %	102.8096 %	95.8321 %	108.0751 %	103.2663 %	108.2574 %
Concentration per Run 3	0.0004 ppm	111.3764 %	103.3230 %	95.7202 %	117.0560 %	103.0720 %	109.2571 %
Recovery Percentage 1	5.458 %						
Concentration RSD	36.2 %	4.2 %	0.5 %	0.3 %	4.9 %	0.1 %	0.7 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118419-1 WG2118419
 Analysis started at: 9/25/2025 13:42:14
 Comments: <Comment>
 Rack: 1
 Vial: 27

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0116 ppm	-0.0012 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0229 ppm
Concentration per Run 1	0.0001 ppm	0.0079 ppm	0.0029 ppm	0.0012 ppm	0.0002 ppm	-0.0001 ppm	0.0229 ppm
Concentration per Run 2	0.0000 ppm	0.0140 ppm	-0.0018 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0192 ppm
Concentration per Run 3	0.0000 ppm	0.0130 ppm	-0.0046 ppm	0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0265 ppm
Recovery Percentage 1	0.998 %	11.593 %	-23.347 %	2.718 %	1.111 %	-0.691 %	22.871 %
Concentration RSD	166.6 %	28.2 %	325.4 %	64.3 %	77.7 %	128.3 %	15.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0006 ppm	-0.0003 ppm	0.0447 ppm	0.0083 ppm	-0.0009 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	-0.0003 ppm	0.0454 ppm	-0.0006 ppm	-0.0009 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0003 ppm	-0.0001 ppm	0.0453 ppm	0.0285 ppm	-0.0008 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0008 ppm	-0.0005 ppm	0.0433 ppm	-0.0029 ppm	-0.0010 ppm
Recovery Percentage 1	-3.139 %	0.153 %	5.554 %	-3.163 %	89.334 %	0.333 %	-8.773 %
Concentration RSD	16.8 %	992.0 %	44.1 %	60.5 %	2.6 %	209.9 %	11.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0062 ppm	0.0008 ppm	0.0001 ppm	0.0156 ppm	0.0000 ppm	-0.0005 ppm	0.0014 ppm
Concentration per Run 1	0.0073 ppm	0.0008 ppm	0.0000 ppm	0.0195 ppm	0.0000 ppm	-0.0008 ppm	0.0018 ppm
Concentration per Run 2	0.0062 ppm	0.0009 ppm	0.0003 ppm	0.0054 ppm	-0.0001 ppm	0.0004 ppm	0.0007 ppm
Concentration per Run 3	0.0050 ppm	0.0007 ppm	0.0001 ppm	0.0218 ppm	0.0002 ppm	-0.0012 ppm	0.0017 ppm
Recovery Percentage 1	6.162 %	7.974 %	0.236 %	0.779 %	0.089 %	-5.456 %	2.803 %
Concentration RSD	18.6 %	9.8 %	121.5 %	57.0 %	654.0 %	149.0 %	44.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0008 ppm	0.0214 ppm	0.0077 ppm	0.0003 ppm	0.0006 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 1	-0.0027 ppm	0.0217 ppm	0.0079 ppm	0.0003 ppm	0.0007 ppm	-0.0013 ppm	-0.0001 ppm
Concentration per Run 2	0.0008 ppm	0.0209 ppm	0.0069 ppm	0.0003 ppm	0.0006 ppm	-0.0013 ppm	0.0002 ppm
Concentration per Run 3	-0.0006 ppm	0.0215 ppm	0.0083 ppm	0.0003 ppm	0.0007 ppm	0.0007 ppm	0.0001 ppm
Recovery Percentage 1	-8.271 %	4.271 %	15.385 %	2.689 %	6.362 %	-3.171 %	0.618 %
Concentration RSD	214.2 %	1.9 %	8.7 %	3.7 %	10.1 %	180.2 %	273.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0031 ppm	103.8193 %	104.1697 %	96.3506 %	109.0791 %	100.6116 %	110.7593 %
Concentration per Run 1	0.0031 ppm	103.2986 %	103.7475 %	96.3522 %	108.3041 %	100.7567 %	110.2051 %
Concentration per Run 2	0.0030 ppm	104.3442 %	105.1806 %	96.4550 %	109.8860 %	100.5398 %	111.8220 %
Concentration per Run 3	0.0033 ppm	103.8152 %	103.5810 %	96.2445 %	109.0471 %	100.5384 %	110.2507 %
Recovery Percentage 1	62.661 %						
Concentration RSD	4.7 %	0.5 %	0.8 %	0.1 %	0.7 %	0.1 %	0.8 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118419-2D2 WG2118419
 Analysis started at: 9/25/2025 13:46:44
 Comments: <Comment>
 Rack: 1
 Vial: 28

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.2729 ppm	14.3571 ppm	0.7221 ppm	0.6739 ppm	0.6946 ppm	0.5282 ppm	13.4087 ppm
Concentration per Run 1	0.2588 ppm	14.4892 ppm	0.7213 ppm	0.6765 ppm	0.6998 ppm	0.5331 ppm	13.5610 ppm
Concentration per Run 2	0.2761 ppm	14.2960 ppm	0.7255 ppm	0.6739 ppm	0.6929 ppm	0.5266 ppm	13.3651 ppm
Concentration per Run 3	0.2838 ppm	14.2860 ppm	0.7194 ppm	0.6714 ppm	0.6911 ppm	0.5250 ppm	13.3001 ppm
Concentration RSD	4.7 %	0.8 %	0.4 %	0.4 %	0.7 %	0.8 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4502 ppm	0.8689 ppm	0.5889 ppm	0.3349 ppm	17.5197 ppm	4.9456 ppm	0.3410 ppm
Concentration per Run 1	0.4515 ppm	0.8705 ppm	0.5587 ppm	0.3181 ppm	17.6973 ppm	4.9906 ppm	0.3422 ppm
Concentration per Run 2	0.4503 ppm	0.8695 ppm	0.5969 ppm	0.3387 ppm	17.4487 ppm	4.9399 ppm	0.3418 ppm
Concentration per Run 3	0.4488 ppm	0.8666 ppm	0.6111 ppm	0.3478 ppm	17.4129 ppm	4.9064 ppm	0.3390 ppm
Concentration RSD	0.3 %	0.2 %	4.6 %	4.5 %	0.9 %	0.9 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.0249 ppm	1.4042 ppm	0.5618 ppm	6.5621 ppm	0.5853 ppm	0.5664 ppm	0.4168 ppm
Concentration per Run 1	5.7199 ppm	1.4186 ppm	0.5630 ppm	6.6102 ppm	0.5870 ppm	0.5684 ppm	0.4175 ppm
Concentration per Run 2	6.1100 ppm	1.4002 ppm	0.5624 ppm	6.5531 ppm	0.5861 ppm	0.5664 ppm	0.4178 ppm
Concentration per Run 3	6.2447 ppm	1.3937 ppm	0.5599 ppm	6.5231 ppm	0.5827 ppm	0.5643 ppm	0.4150 ppm
Concentration RSD	4.5 %	0.9 %	0.3 %	0.7 %	0.4 %	0.4 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.3792 ppm	4.2749 ppm	0.3629 ppm	0.6860 ppm	1.1641 ppm	0.7058 ppm	0.5979 ppm
Concentration per Run 1	0.3791 ppm	4.2846 ppm	0.3645 ppm	0.6909 ppm	1.1031 ppm	0.7084 ppm	0.5684 ppm
Concentration per Run 2	0.3803 ppm	4.2767 ppm	0.3623 ppm	0.6845 ppm	1.1793 ppm	0.7050 ppm	0.6047 ppm
Concentration per Run 3	0.3781 ppm	4.2634 ppm	0.3618 ppm	0.6826 ppm	1.2099 ppm	0.7039 ppm	0.6207 ppm
Concentration RSD	0.3 %	0.3 %	0.4 %	0.6 %	4.7 %	0.3 %	4.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.1710 ppm	110.0250 %	101.7310 %	98.8953 %	111.0302 %	98.3361 %	104.2096 %
Concentration per Run 1	1.1746 ppm	109.3312 %	106.6307 %	98.9131 %	109.6699 %	98.1341 %	109.0406 %
Concentration per Run 2	1.1715 ppm	110.0450 %	100.3817 %	98.5964 %	111.4558 %	98.2454 %	103.1962 %
Concentration per Run 3	1.1670 ppm	110.6989 %	98.1805 %	99.1763 %	111.9649 %	98.6288 %	100.3919 %
Concentration RSD	0.3 %	0.6 %	4.3 %	0.3 %	1.1 %	0.3 %	4.2 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: WG2118419-3D2 WG2118419
 Analysis started at: 9/25/2025 13:50:56
 Comments: <Comment>
 Rack: 1
 Vial: 29

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.2533 ppm	14.0104 ppm	0.7068 ppm	0.6670 ppm	0.8612 ppm	0.5345 ppm	13.1687 ppm
Concentration per Run 1	0.2534 ppm	14.2915 ppm	0.7109 ppm	0.6689 ppm	0.8791 ppm	0.5455 ppm	13.4132 ppm
Concentration per Run 2	0.2535 ppm	13.8832 ppm	0.7061 ppm	0.6656 ppm	0.8540 ppm	0.5290 ppm	13.0551 ppm
Concentration per Run 3	0.2528 ppm	13.8565 ppm	0.7035 ppm	0.6666 ppm	0.8506 ppm	0.5289 ppm	13.0378 ppm
Concentration RSD	0.1 %	1.7 %	0.5 %	0.3 %	1.8 %	1.8 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4482 ppm	0.8596 ppm	0.5571 ppm	0.3140 ppm	16.9326 ppm	4.8530 ppm	0.3365 ppm
Concentration per Run 1	0.4504 ppm	0.8634 ppm	0.5580 ppm	0.3142 ppm	17.2908 ppm	4.9307 ppm	0.3432 ppm
Concentration per Run 2	0.4472 ppm	0.8576 ppm	0.5583 ppm	0.3142 ppm	16.7787 ppm	4.8236 ppm	0.3335 ppm
Concentration per Run 3	0.4471 ppm	0.8577 ppm	0.5550 ppm	0.3137 ppm	16.7284 ppm	4.8046 ppm	0.3327 ppm
Concentration RSD	0.4 %	0.4 %	0.3 %	0.1 %	1.8 %	1.4 %	1.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.6357 ppm	1.3391 ppm	0.5536 ppm	6.5928 ppm	0.5876 ppm	0.5520 ppm	0.4309 ppm
Concentration per Run 1	5.6388 ppm	1.3661 ppm	0.5557 ppm	6.7173 ppm	0.5894 ppm	0.5545 ppm	0.4304 ppm
Concentration per Run 2	5.6477 ppm	1.3273 ppm	0.5528 ppm	6.5311 ppm	0.5879 ppm	0.5515 ppm	0.4305 ppm
Concentration per Run 3	5.6206 ppm	1.3240 ppm	0.5524 ppm	6.5300 ppm	0.5856 ppm	0.5500 ppm	0.4319 ppm
Concentration RSD	0.2 %	1.7 %	0.3 %	1.6 %	0.3 %	0.4 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.3732 ppm	4.4264 ppm	0.3531 ppm	0.7191 ppm	1.0598 ppm	0.6978 ppm	0.5674 ppm
Concentration per Run 1	0.3760 ppm	4.4346 ppm	0.3543 ppm	0.7333 ppm	1.0594 ppm	0.6980 ppm	0.5677 ppm
Concentration per Run 2	0.3706 ppm	4.4224 ppm	0.3534 ppm	0.7134 ppm	1.0608 ppm	0.6969 ppm	0.5667 ppm
Concentration per Run 3	0.3730 ppm	4.4223 ppm	0.3516 ppm	0.7106 ppm	1.0594 ppm	0.6984 ppm	0.5677 ppm
Concentration RSD	0.7 %	0.2 %	0.4 %	1.7 %	0.1 %	0.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.1575 ppm	108.9231 %	106.1487 %	98.5755 %	110.9543 %	98.7170 %	109.5238 %
Concentration per Run 1	1.1638 ppm	107.2810 %	106.1740 %	98.6760 %	108.9862 %	98.2990 %	109.4136 %
Concentration per Run 2	1.1545 ppm	109.6319 %	106.0067 %	98.5313 %	111.7984 %	98.9143 %	109.4524 %
Concentration per Run 3	1.1541 ppm	109.8563 %	106.2652 %	98.5193 %	112.0785 %	98.9377 %	109.7054 %
Concentration RSD	0.5 %	1.3 %	0.1 %	0.1 %	1.5 %	0.4 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: L2559045-01D2 WG2118419
 Analysis started at: 9/25/2025 13:55:08
 Comments: <Comment>
 Rack: 1
 Vial: 30

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0013 ppm	62.1689 ppm	0.0564 ppm	0.0223 ppm	0.6215 ppm	0.0011 ppm	27.8510 ppm
Concentration per Run 1	-0.0014 ppm	62.8001 ppm	0.0569 ppm	0.0225 ppm	0.6274 ppm	0.0011 ppm	28.1289 ppm
Concentration per Run 2	-0.0013 ppm	61.9243 ppm	0.0564 ppm	0.0226 ppm	0.6194 ppm	0.0011 ppm	27.7567 ppm
Concentration per Run 3	-0.0012 ppm	61.7823 ppm	0.0560 ppm	0.0218 ppm	0.6177 ppm	0.0011 ppm	27.6674 ppm
Concentration RSD	7.4 %	0.9 %	0.7 %	2.1 %	0.8 %	1.1 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0010 ppm	0.0423 ppm	0.1279 ppm	0.2703 ppm	143.9680 ppm	26.3640 ppm	0.1128 ppm
Concentration per Run 1	-0.0010 ppm	0.0423 ppm	0.1278 ppm	0.2701 ppm	145.4492 ppm	26.6090 ppm	0.1136 ppm
Concentration per Run 2	-0.0010 ppm	0.0424 ppm	0.1276 ppm	0.2707 ppm	143.4996 ppm	26.2529 ppm	0.1131 ppm
Concentration per Run 3	-0.0010 ppm	0.0422 ppm	0.1284 ppm	0.2702 ppm	142.9552 ppm	26.2299 ppm	0.1117 ppm
Concentration RSD	1.3 %	0.2 %	0.3 %	0.1 %	0.9 %	0.8 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	31.4372 ppm	1.9867 ppm	0.0083 ppm	7.5675 ppm	0.0711 ppm	0.4114 ppm	0.0036 ppm
Concentration per Run 1	31.3909 ppm	2.0092 ppm	0.0082 ppm	7.6435 ppm	0.0717 ppm	0.4115 ppm	0.0040 ppm
Concentration per Run 2	31.4809 ppm	1.9793 ppm	0.0082 ppm	7.5350 ppm	0.0714 ppm	0.4112 ppm	0.0029 ppm
Concentration per Run 3	31.4398 ppm	1.9715 ppm	0.0084 ppm	7.5240 ppm	0.0702 ppm	0.4114 ppm	0.0038 ppm
Concentration RSD	0.1 %	1.0 %	1.1 %	0.9 %	1.1 %	0.0 %	17.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0034 ppm	5.9418 ppm	0.0346 ppm	0.1383 ppm	6.5173 ppm	0.0020 ppm	0.1690 ppm
Concentration per Run 1	0.0019 ppm	5.9272 ppm	0.0345 ppm	0.1392 ppm	6.5087 ppm	0.0025 ppm	0.1692 ppm
Concentration per Run 2	0.0044 ppm	5.9520 ppm	0.0353 ppm	0.1385 ppm	6.5192 ppm	0.0015 ppm	0.1690 ppm
Concentration per Run 3	0.0039 ppm	5.9463 ppm	0.0339 ppm	0.1371 ppm	6.5240 ppm	0.0019 ppm	0.1687 ppm
Concentration RSD	39.6 %	0.2 %	2.0 %	0.7 %	0.1 %	23.9 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5335 ppm	116.9433 %	111.3878 %	103.0917 %	114.0923 %	95.4194 %	109.7374 %
Concentration per Run 1	0.5346 ppm	115.6048 %	111.6651 %	103.2026 %	112.4859 %	95.3992 %	109.8871 %
Concentration per Run 2	0.5331 ppm	117.5249 %	111.0157 %	103.0775 %	114.5678 %	95.3360 %	109.3651 %
Concentration per Run 3	0.5329 ppm	117.7001 %	111.4826 %	102.9950 %	115.2233 %	95.5229 %	109.9602 %
Concentration RSD	0.2 %	1.0 %	0.3 %	0.1 %	1.3 %	0.1 %	0.3 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCV
 Analysis started at: 9/25/2025 13:59:28
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4480 ppm	0.4635 ppm	0.4763 ppm	0.4809 ppm	0.4499 ppm	0.4641 ppm	0.4397 ppm
Concentration per Run 1	0.4484 ppm	0.4847 ppm	0.4767 ppm	0.4826 ppm	0.4621 ppm	0.4775 ppm	0.4467 ppm
Concentration per Run 2	0.4479 ppm	0.4551 ppm	0.4783 ppm	0.4809 ppm	0.4432 ppm	0.4572 ppm	0.4349 ppm
Concentration per Run 3	0.4476 ppm	0.4507 ppm	0.4739 ppm	0.4791 ppm	0.4445 ppm	0.4575 ppm	0.4375 ppm
Recovery Percentage 1	89.595 %	92.703 %	95.263 %	96.173 %	89.983 %	92.811 %	87.940 %
Concentration RSD	0.1 %	4.0 %	0.5 %	0.4 %	2.3 %	2.5 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4985 ppm	0.4663 ppm	0.4944 ppm	0.4726 ppm	0.4853 ppm	4.6383 ppm	0.4728 ppm
Concentration per Run 1	0.4990 ppm	0.4668 ppm	0.4933 ppm	0.4738 ppm	0.5043 ppm	4.7717 ppm	0.4859 ppm
Concentration per Run 2	0.4991 ppm	0.4659 ppm	0.4934 ppm	0.4713 ppm	0.4776 ppm	4.5685 ppm	0.4648 ppm
Concentration per Run 3	0.4973 ppm	0.4663 ppm	0.4964 ppm	0.4728 ppm	0.4742 ppm	4.5748 ppm	0.4678 ppm
Recovery Percentage 1	99.694 %	93.268 %	98.874 %	94.528 %	97.068 %	92.766 %	94.570 %
Concentration RSD	0.2 %	0.1 %	0.4 %	0.3 %	3.4 %	2.5 %	2.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5136 ppm	0.4578 ppm	0.4916 ppm	8.6497 ppm	0.5038 ppm	0.5250 ppm	0.4893 ppm
Concentration per Run 1	0.5144 ppm	0.4707 ppm	0.4925 ppm	8.8655 ppm	0.5047 ppm	0.5254 ppm	0.4916 ppm
Concentration per Run 2	0.5107 ppm	0.4513 ppm	0.4927 ppm	8.5276 ppm	0.5043 ppm	0.5253 ppm	0.4884 ppm
Concentration per Run 3	0.5157 ppm	0.4514 ppm	0.4894 ppm	8.5562 ppm	0.5025 ppm	0.5242 ppm	0.4880 ppm
Recovery Percentage 1	102.718 %	91.563 %	98.310 %	86.497 %	100.768 %	104.993 %	97.863 %
Concentration RSD	0.5 %	2.4 %	0.4 %	2.2 %	0.2 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.5086 ppm	5.6433 ppm	0.4770 ppm	0.4600 ppm	0.4984 ppm	0.4992 ppm	0.4999 ppm
Concentration per Run 1	0.5098 ppm	5.6575 ppm	0.4790 ppm	0.4726 ppm	0.4983 ppm	0.4997 ppm	0.4992 ppm
Concentration per Run 2	0.5085 ppm	5.6529 ppm	0.4786 ppm	0.4532 ppm	0.4975 ppm	0.4993 ppm	0.4997 ppm
Concentration per Run 3	0.5075 ppm	5.6195 ppm	0.4734 ppm	0.4541 ppm	0.4995 ppm	0.4986 ppm	0.5010 ppm
Recovery Percentage 1	101.721 %	107.491 %	95.398 %	91.994 %	99.685 %	99.840 %	99.988 %
Concentration RSD	0.2 %	0.4 %	0.7 %	2.4 %	0.2 %	0.1 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5087 ppm	104.4750 %	102.9892 %	95.6826 %	109.8076 %	101.0945 %	109.6977 %
Concentration per Run 1	0.5102 ppm	102.8589 %	103.1637 %	95.8446 %	107.3769 %	100.9983 %	109.8291 %
Concentration per Run 2	0.5085 ppm	104.5806 %	103.0253 %	95.7680 %	110.5221 %	100.9849 %	109.6765 %
Concentration per Run 3	0.5074 ppm	105.9856 %	102.7785 %	95.4352 %	111.5239 %	101.3002 %	109.5877 %
Recovery Percentage 1	101.741 %						
Concentration RSD	0.3 %	1.5 %	0.2 %	0.2 %	2.0 %	0.2 %	0.1 %

ICP Data Trace 7

9/25/2025 14:08:40



LabBook: WG2119102_09242025T7.imexp

Sample: CCB
 Analysis started at: 9/25/2025 14:03:45
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0012 ppm	0.0003 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run 1	0.0000 ppm	-0.0018 ppm	0.0012 ppm	0.0014 ppm	0.0000 ppm	0.0001 ppm	0.0033 ppm
Concentration per Run 2	0.0000 ppm	0.0008 ppm	-0.0004 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0060 ppm
Concentration per Run 3	0.0005 ppm	-0.0026 ppm	0.0001 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	-0.0036 ppm
Recovery Percentage 1	3.615 %	-1.184 %	6.096 %	3.264 %	0.876 %	0.870 %	1.893 %
Concentration RSD	166.7 %	149.6 %	261.5 %	41.9 %	40.8 %	61.3 %	260.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0000 ppm	-0.0003 ppm	-0.0011 ppm	0.0028 ppm	0.0010 ppm	-0.0014 ppm
Concentration per Run 1	-0.0002 ppm	0.0004 ppm	-0.0003 ppm	-0.0013 ppm	0.0020 ppm	0.0144 ppm	-0.0014 ppm
Concentration per Run 2	-0.0002 ppm	-0.0001 ppm	-0.0001 ppm	-0.0011 ppm	0.0031 ppm	-0.0316 ppm	-0.0018 ppm
Concentration per Run 3	-0.0002 ppm	-0.0003 ppm	-0.0003 ppm	-0.0011 ppm	0.0032 ppm	0.0201 ppm	-0.0010 ppm
Recovery Percentage 1	-4.556 %	-0.155 %	-2.606 %	-11.479 %	5.572 %	0.038 %	-13.940 %
Concentration RSD	1.5 %	2,133.2 %	39.4 %	9.3 %	23.8 %	2,977.4 %	31.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0014 ppm	-0.0003 ppm	0.0003 ppm	-0.0018 ppm	0.0001 ppm	0.0001 ppm	0.0017 ppm
Concentration per Run 1	-0.0003 ppm	-0.0002 ppm	0.0005 ppm	-0.0022 ppm	0.0002 ppm	-0.0002 ppm	0.0011 ppm
Concentration per Run 2	0.0034 ppm	-0.0004 ppm	0.0002 ppm	0.0023 ppm	0.0000 ppm	0.0004 ppm	0.0020 ppm
Concentration per Run 3	0.0010 ppm	-0.0001 ppm	0.0003 ppm	-0.0056 ppm	0.0002 ppm	0.0001 ppm	0.0019 ppm
Recovery Percentage 1	1.389 %	-2.617 %	0.644 %	-0.091 %	0.479 %	1.161 %	3.323 %
Concentration RSD	136.0 %	52.5 %	47.3 %	217.4 %	86.6 %	263.5 %	31.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0010 ppm	0.0066 ppm	0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 1	-0.0007 ppm	0.0073 ppm	0.0006 ppm	0.0003 ppm	0.0003 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 2	-0.0017 ppm	0.0064 ppm	0.0002 ppm	0.0004 ppm	0.0006 ppm	0.0019 ppm	0.0001 ppm
Concentration per Run 3	-0.0007 ppm	0.0060 ppm	-0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0009 ppm	0.0002 ppm
Recovery Percentage 1	-10.364 %	1.320 %	0.230 %	2.777 %	3.502 %	6.255 %	1.039 %
Concentration RSD	54.7 %	10.3 %	422.5 %	37.2 %	77.0 %	42.6 %	46.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	103.9829 %	103.4489 %	95.7317 %	108.8796 %	103.1071 %	109.6553 %
Concentration per Run 1	0.0004 ppm	103.6111 %	103.3299 %	95.5512 %	108.1759 %	103.1489 %	109.3584 %
Concentration per Run 2	0.0001 ppm	104.2580 %	103.6928 %	95.7947 %	109.2208 %	102.9456 %	109.9146 %
Concentration per Run 3	0.0004 ppm	104.0795 %	103.3240 %	95.8491 %	109.2422 %	103.2269 %	109.6928 %
Recovery Percentage 1	6.423 %						
Concentration RSD	50.0 %	0.3 %	0.2 %	0.2 %	0.6 %	0.1 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: Blank ZPC Trace10
 Analysis started at: 9/25/2025 3:19:04 PM
 Comments: <Comment>
 Rack: 0
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.1 %	-0.2 %	0.3 %	-0.1 %	0.2 %	3.0 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	5.4 %	0.3 %	-0.2 %	0.0 %	0.3 %	0.2 %	-0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	1.0 %	-0.6 %	0.0 %	0.0 %	-0.1 %	-0.2 %	-0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	2.9 %	0.0 %	0.0 %	-0.8 %	-0.2 %	-2.0 %	-0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: ICAL
 Analysis started at: 9/25/2025 3:24:26 PM
 Comments: <Comment>
 Rack: 0
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	1.0003 ppm	24.5078 ppm	0.9989 ppm	0.9978 ppm	0.9839 ppm	0.9823 ppm	9.8329 ppm
Concentration per Run 2	0.9995 ppm	25.2092 ppm	1.0014 ppm	1.0021 ppm	1.0062 ppm	1.0071 ppm	10.0661 ppm
Concentration per Run 3	1.0002 ppm	25.2831 ppm	0.9997 ppm	1.0001 ppm	1.0098 ppm	1.0106 ppm	10.1010 ppm
Concentration RSD	0.0 %	1.7 %	0.1 %	0.2 %	1.4 %	1.5 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	1.0005 ppm	0.9997 ppm	1.0062 ppm	0.9962 ppm	24.5144 ppm	34.5216 ppm	0.9853 ppm
Concentration per Run 2	0.9996 ppm	1.0004 ppm	0.9952 ppm	1.0028 ppm	25.2312 ppm	35.2100 ppm	1.0043 ppm
Concentration per Run 3	1.0000 ppm	0.9999 ppm	0.9986 ppm	1.0010 ppm	25.2544 ppm	35.2684 ppm	1.0104 ppm
Concentration RSD	0.0 %	0.0 %	0.6 %	0.3 %	1.7 %	1.2 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	10.0526 ppm	0.9804 ppm	0.9978 ppm	24.5753 ppm	0.9994 ppm	1.0011 ppm	0.9990 ppm
Concentration per Run 2	9.9723 ppm	1.0108 ppm	1.0001 ppm	25.1568 ppm	1.0009 ppm	1.0002 ppm	1.0005 ppm
Concentration per Run 3	9.9751 ppm	1.0088 ppm	1.0021 ppm	25.2680 ppm	0.9997 ppm	0.9987 ppm	1.0004 ppm
Concentration RSD	0.5 %	1.7 %	0.2 %	1.5 %	0.1 %	0.1 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9999 ppm	10.0349 ppm	1.0004 ppm	0.9841 ppm	1.0010 ppm	0.9992 ppm	1.0029 ppm
Concentration per Run 2	1.0003 ppm	10.0077 ppm	1.0015 ppm	1.0060 ppm	0.9982 ppm	1.0023 ppm	0.9969 ppm
Concentration per Run 3	0.9998 ppm	9.9574 ppm	0.9982 ppm	1.0100 ppm	1.0008 ppm	0.9986 ppm	1.0002 ppm
Concentration RSD	0.0 %	0.4 %	0.2 %	1.4 %	0.2 %	0.2 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0000 ppm	99.7445 %	96.9258 %	97.3770 %	100.4578 %	97.6779 %	97.6817 %
Concentration per Run 1	1.0012 ppm	101.1196 %	96.7578 %	97.4639 %	102.0695 %	97.9019 %	97.5708 %
Concentration per Run 2	0.9996 ppm	99.0529 %	96.9869 %	97.2665 %	99.6341 %	97.6024 %	97.8036 %
Concentration per Run 3	0.9992 ppm	99.0609 %	97.0327 %	97.4007 %	99.6698 %	97.5295 %	97.6706 %
Concentration RSD	0.1 %	1.2 %	0.2 %	0.1 %	1.4 %	0.2 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: ICV
Analysis started at: 9/25/2025 3:55:20 PM
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4855 ppm	0.4866 ppm	0.4749 ppm	0.4830 ppm	0.4905 ppm	0.5149 ppm	0.5177 ppm
Concentration per Run 1	0.4861 ppm	0.4832 ppm	0.4774 ppm	0.4836 ppm	0.4892 ppm	0.5138 ppm	0.5169 ppm
Concentration per Run 2	0.4854 ppm	0.4937 ppm	0.4740 ppm	0.4820 ppm	0.4907 ppm	0.5158 ppm	0.5183 ppm
Concentration per Run 3	0.4849 ppm	0.4830 ppm	0.4733 ppm	0.4836 ppm	0.4916 ppm	0.5150 ppm	0.5179 ppm
Recovery Percentage 1	97.094 %	97.327 %	94.979 %	96.608 %	98.100 %	102.973 %	103.538 %
Concentration RSD	0.1 %	1.3 %	0.5 %	0.2 %	0.2 %	0.2 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4915 ppm	0.4969 ppm	0.5100 ppm	0.4944 ppm	0.5199 ppm	5.0781 ppm	0.5061 ppm
Concentration per Run 1	0.4917 ppm	0.4976 ppm	0.5127 ppm	0.4928 ppm	0.5198 ppm	5.0592 ppm	0.5057 ppm
Concentration per Run 2	0.4901 ppm	0.4959 ppm	0.5087 ppm	0.4952 ppm	0.5179 ppm	5.0765 ppm	0.5057 ppm
Concentration per Run 3	0.4927 ppm	0.4974 ppm	0.5087 ppm	0.4951 ppm	0.5222 ppm	5.0987 ppm	0.5068 ppm
Recovery Percentage 1	98.300 %	99.388 %	102.003 %	98.872 %	103.990 %	101.563 %	101.214 %
Concentration RSD	0.3 %	0.2 %	0.4 %	0.3 %	0.4 %	0.4 %	0.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5066 ppm	0.5243 ppm	0.4812 ppm	9.9331 ppm	0.5041 ppm	0.5012 ppm	0.4985 ppm
Concentration per Run 1	0.5078 ppm	0.5230 ppm	0.4808 ppm	9.9003 ppm	0.5044 ppm	0.5015 ppm	0.4989 ppm
Concentration per Run 2	0.5071 ppm	0.5255 ppm	0.4807 ppm	9.9692 ppm	0.5031 ppm	0.4999 ppm	0.4982 ppm
Concentration per Run 3	0.5049 ppm	0.5243 ppm	0.4822 ppm	9.9299 ppm	0.5050 ppm	0.5021 ppm	0.4984 ppm
Recovery Percentage 1	101.323 %	104.854 %	96.248 %	99.331 %	100.828 %	100.233 %	99.696 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.3 %	0.2 %	0.2 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4833 ppm	5.2273 ppm	0.4921 ppm	0.4964 ppm	0.4990 ppm	0.5041 ppm	0.5117 ppm
Concentration per Run 1	0.4816 ppm	5.2399 ppm	0.4928 ppm	0.4946 ppm	0.5001 ppm	0.5049 ppm	0.5129 ppm
Concentration per Run 2	0.4840 ppm	5.2209 ppm	0.4915 ppm	0.4964 ppm	0.4982 ppm	0.5028 ppm	0.5109 ppm
Concentration per Run 3	0.4843 ppm	5.2210 ppm	0.4920 ppm	0.4981 ppm	0.4986 ppm	0.5047 ppm	0.5112 ppm
Recovery Percentage 1	96.664 %	99.568 %	98.420 %	99.276 %	99.796 %	100.822 %	102.337 %
Concentration RSD	0.3 %	0.2 %	0.1 %	0.4 %	0.2 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5006 ppm	99.6649 %	99.0775 %	100.0458 %	100.2823 %	101.8376 %	100.1505 %
Concentration per Run 1	0.5008 ppm	99.2046 %	98.9812 %	100.0821 %	99.8762 %	101.8602 %	100.0674 %
Concentration per Run 2	0.4992 ppm	99.8591 %	99.2833 %	100.0603 %	100.1946 %	102.1103 %	100.3460 %
Concentration per Run 3	0.5017 ppm	99.9310 %	98.9680 %	99.9951 %	100.7762 %	101.5422 %	100.0379 %
Recovery Percentage 1	100.118 %						
Concentration RSD	0.3 %	0.4 %	0.2 %	0.0 %	0.5 %	0.3 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: ICB
 Analysis started at: 9/25/2025 4:00:24 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0025 ppm	-0.0005 ppm	0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0142 ppm
Concentration per Run 1	-0.0005 ppm	-0.0090 ppm	0.0010 ppm	0.0006 ppm	0.0001 ppm	-0.0001 ppm	0.0156 ppm
Concentration per Run 2	0.0003 ppm	0.0057 ppm	-0.0015 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0118 ppm
Concentration per Run 3	-0.0002 ppm	0.0108 ppm	-0.0009 ppm	0.0005 ppm	0.0003 ppm	0.0001 ppm	0.0151 ppm
Recovery Percentage 1	-2.325 %	2.472 %	-9.307 %	2.296 %	1.542 %	-0.191 %	14.165 %
Concentration RSD	317.9 %	416.7 %	274.1 %	30.4 %	106.0 %	688.3 %	14.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0014 ppm	-0.0132 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0001 ppm	-0.0121 ppm	0.0008 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0028 ppm	-0.0178 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0016 ppm	-0.0097 ppm	0.0004 ppm
Recovery Percentage 1	1.598 %	0.433 %	0.332 %	3.597 %	2.814 %	-0.528 %	3.506 %
Concentration RSD	40.3 %	110.2 %	756.9 %	33.2 %	103.6 %	31.5 %	142.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0016 ppm	0.0000 ppm	0.0006 ppm	-0.0064 ppm	0.0004 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run 1	0.0005 ppm	-0.0003 ppm	0.0008 ppm	-0.0051 ppm	0.0004 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 2	0.0013 ppm	-0.0001 ppm	0.0006 ppm	-0.0123 ppm	0.0005 ppm	0.0002 ppm	0.0007 ppm
Concentration per Run 3	0.0030 ppm	0.0005 ppm	0.0003 ppm	-0.0017 ppm	0.0004 ppm	-0.0001 ppm	0.0002 ppm
Recovery Percentage 1	1.596 %	0.449 %	1.118 %	-0.320 %	1.794 %	0.968 %	0.762 %
Concentration RSD	81.9 %	933.9 %	41.0 %	84.8 %	10.0 %	143.1 %	68.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	-0.0011 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 1	-0.0012 ppm	-0.0009 ppm	0.0005 ppm	0.0001 ppm	-0.0002 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 2	0.0003 ppm	-0.0006 ppm	0.0008 ppm	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 3	-0.0001 ppm	-0.0019 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	-0.0013 ppm	0.0000 ppm
Recovery Percentage 1	-3.182 %	-0.224 %	1.124 %	0.670 %	-0.373 %	-3.227 %	1.218 %
Concentration RSD	238.5 %	62.0 %	30.4 %	87.0 %	398.6 %	91.5 %	97.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0013 ppm	99.5463 %	99.0699 %	99.5316 %	98.6797 %	99.5345 %	98.4049 %
Concentration per Run 1	0.0013 ppm	99.9231 %	99.3390 %	99.6177 %	98.7902 %	99.4781 %	98.6880 %
Concentration per Run 2	0.0013 ppm	99.0278 %	99.2244 %	99.6524 %	98.3573 %	99.6043 %	98.4690 %
Concentration per Run 3	0.0012 ppm	99.6879 %	98.6464 %	99.3247 %	98.8916 %	99.5211 %	98.0578 %
Recovery Percentage 1	25.163 %						
Concentration RSD	3.4 %	0.5 %	0.4 %	0.2 %	0.3 %	0.1 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: ICV
Analysis started at: 9/25/2025 4:05:49 PM
Comments: changed position
Rack: 0
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4801 ppm	0.4823 ppm	0.4703 ppm	0.4789 ppm	0.4871 ppm	0.5068 ppm	0.5061 ppm
Concentration per Run 1	0.4799 ppm	0.4848 ppm	0.4712 ppm	0.4775 ppm	0.4849 ppm	0.5021 ppm	0.4990 ppm
Concentration per Run 2	0.4810 ppm	0.4794 ppm	0.4697 ppm	0.4795 ppm	0.4878 ppm	0.5087 ppm	0.5093 ppm
Concentration per Run 3	0.4795 ppm	0.4826 ppm	0.4700 ppm	0.4796 ppm	0.4886 ppm	0.5095 ppm	0.5101 ppm
Recovery Percentage 1	96.026 %	96.451 %	94.056 %	95.778 %	97.426 %	101.359 %	101.223 %
Concentration RSD	0.2 %	0.6 %	0.2 %	0.2 %	0.4 %	0.8 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4871 ppm	0.4932 ppm	0.5058 ppm	0.4917 ppm	0.5015 ppm	5.0036 ppm	0.5001 ppm
Concentration per Run 1	0.4863 ppm	0.4922 ppm	0.5089 ppm	0.4901 ppm	0.5006 ppm	5.0048 ppm	0.4971 ppm
Concentration per Run 2	0.4877 ppm	0.4938 ppm	0.5041 ppm	0.4928 ppm	0.4989 ppm	5.0024 ppm	0.5004 ppm
Concentration per Run 3	0.4872 ppm	0.4936 ppm	0.5045 ppm	0.4922 ppm	0.5050 ppm	5.0036 ppm	0.5027 ppm
Recovery Percentage 1	97.414 %	98.642 %	101.164 %	98.338 %	100.299 %	100.072 %	100.012 %
Concentration RSD	0.1 %	0.2 %	0.5 %	0.3 %	0.6 %	0.0 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4984 ppm	0.5053 ppm	0.4783 ppm	9.9193 ppm	0.4999 ppm	0.4970 ppm	0.4963 ppm
Concentration per Run 1	0.5047 ppm	0.5023 ppm	0.4762 ppm	9.8804 ppm	0.4994 ppm	0.4975 ppm	0.4956 ppm
Concentration per Run 2	0.4975 ppm	0.5057 ppm	0.4793 ppm	9.9300 ppm	0.5006 ppm	0.4968 ppm	0.4981 ppm
Concentration per Run 3	0.4931 ppm	0.5079 ppm	0.4795 ppm	9.9475 ppm	0.4997 ppm	0.4968 ppm	0.4953 ppm
Recovery Percentage 1	99.687 %	101.059 %	95.668 %	99.193 %	99.977 %	99.407 %	99.266 %
Concentration RSD	1.2 %	0.6 %	0.4 %	0.4 %	0.1 %	0.1 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4787 ppm	5.0659 ppm	0.4844 ppm	0.4874 ppm	0.4946 ppm	0.4962 ppm	0.5073 ppm
Concentration per Run 1	0.4781 ppm	5.0556 ppm	0.4843 ppm	0.4837 ppm	0.4954 ppm	0.4963 ppm	0.5079 ppm
Concentration per Run 2	0.4770 ppm	5.0672 ppm	0.4849 ppm	0.4881 ppm	0.4949 ppm	0.4961 ppm	0.5065 ppm
Concentration per Run 3	0.4808 ppm	5.0749 ppm	0.4838 ppm	0.4904 ppm	0.4936 ppm	0.4963 ppm	0.5074 ppm
Recovery Percentage 1	95.733 %	96.493 %	96.871 %	97.477 %	98.924 %	99.249 %	101.453 %
Concentration RSD	0.4 %	0.2 %	0.1 %	0.7 %	0.2 %	0.0 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4951 ppm	100.2675 %	98.8534 %	99.4738 %	100.5971 %	101.1642 %	99.6292 %
Concentration per Run 1	0.4942 ppm	100.3024 %	98.7187 %	99.6900 %	100.8681 %	101.5020 %	99.5484 %
Concentration per Run 2	0.4958 ppm	99.7968 %	99.1031 %	99.3576 %	100.3103 %	101.0417 %	99.7664 %
Concentration per Run 3	0.4952 ppm	100.7034 %	98.7384 %	99.3738 %	100.6130 %	100.9491 %	99.5727 %
Recovery Percentage 1	99.015 %						
Concentration RSD	0.2 %	0.5 %	0.2 %	0.2 %	0.3 %	0.3 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: ICB
 Analysis started at: 9/25/2025 4:10:57 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0003 ppm	-0.0008 ppm	0.0006 ppm	0.0002 ppm	0.0000 ppm	0.0139 ppm
Concentration per Run 1	-0.0003 ppm	-0.0055 ppm	-0.0003 ppm	0.0005 ppm	0.0002 ppm	-0.0001 ppm	0.0091 ppm
Concentration per Run 2	0.0001 ppm	0.0021 ppm	-0.0011 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0148 ppm
Concentration per Run 3	0.0003 ppm	0.0026 ppm	-0.0009 ppm	0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0179 ppm
Recovery Percentage 1	0.735 %	-0.252 %	-15.067 %	1.870 %	1.639 %	0.169 %	13.948 %
Concentration RSD	780.8 %	1,814.6 %	58.1 %	33.1 %	32.4 %	660.4 %	31.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0018 ppm	-0.0068 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0048 ppm	-0.0145 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0003 ppm	-0.0005 ppm	-0.0019 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0007 ppm	0.0013 ppm	-0.0041 ppm	0.0005 ppm
Recovery Percentage 1	0.935 %	-0.662 %	1.790 %	4.275 %	3.648 %	-0.273 %	1.692 %
Concentration RSD	18.8 %	103.5 %	223.1 %	58.7 %	147.6 %	98.8 %	181.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0022 ppm	0.0001 ppm	0.0007 ppm	-0.0029 ppm	0.0007 ppm	0.0002 ppm	0.0020 ppm
Concentration per Run 1	0.0006 ppm	0.0005 ppm	0.0008 ppm	-0.0021 ppm	0.0009 ppm	0.0003 ppm	0.0027 ppm
Concentration per Run 2	0.0023 ppm	0.0005 ppm	0.0007 ppm	-0.0009 ppm	0.0005 ppm	0.0001 ppm	0.0020 ppm
Concentration per Run 3	0.0037 ppm	-0.0006 ppm	0.0006 ppm	-0.0056 ppm	0.0007 ppm	0.0003 ppm	0.0012 ppm
Recovery Percentage 1	2.198 %	1.356 %	1.332 %	-0.144 %	2.705 %	2.253 %	3.903 %
Concentration RSD	69.1 %	452.0 %	15.1 %	86.1 %	30.2 %	38.7 %	38.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	-0.0018 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 1	-0.0019 ppm	-0.0017 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run 2	0.0017 ppm	-0.0021 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run 3	-0.0003 ppm	-0.0016 ppm	-0.0002 ppm	0.0001 ppm	0.0004 ppm	-0.0006 ppm	0.0003 ppm
Recovery Percentage 1	-1.709 %	-0.359 %	-0.010 %	1.039 %	1.729 %	-2.977 %	0.910 %
Concentration RSD	1,029.9 %	15.3 %	2,680.6 %	48.7 %	106.5 %	7.8 %	175.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0012 ppm	99.9979 %	99.4107 %	99.6545 %	98.8018 %	99.8724 %	98.7950 %
Concentration per Run 1	0.0012 ppm	100.2009 %	99.2039 %	99.9087 %	98.5624 %	100.1225 %	98.5948 %
Concentration per Run 2	0.0013 ppm	100.4429 %	99.5617 %	99.6713 %	99.5352 %	99.9588 %	98.8705 %
Concentration per Run 3	0.0013 ppm	99.3500 %	99.4664 %	99.3836 %	98.3077 %	99.5359 %	98.9197 %
Recovery Percentage 1	24.882 %						
Concentration RSD	3.0 %	0.6 %	0.2 %	0.3 %	0.7 %	0.3 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: LLOQ
 Analysis started at: 9/25/2025 4:16:23 PM
 Comments: <Comment>
 Rack: 0
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0051 ppm	0.1032 ppm	0.0040 ppm	0.0342 ppm	0.0104 ppm	0.0052 ppm	0.0990 ppm
Concentration per Run 1	0.0053 ppm	0.1062 ppm	0.0044 ppm	0.0341 ppm	0.0106 ppm	0.0052 ppm	0.0913 ppm
Concentration per Run 2	0.0053 ppm	0.1140 ppm	0.0037 ppm	0.0346 ppm	0.0101 ppm	0.0051 ppm	0.0984 ppm
Concentration per Run 3	0.0048 ppm	0.0892 ppm	0.0041 ppm	0.0340 ppm	0.0105 ppm	0.0053 ppm	0.1071 ppm
Recovery Percentage 1	102.648 %	103.151 %	80.818 %	114.025 %	103.753 %	104.176 %	98.972 %
Concentration RSD	5.0 %	12.3 %	9.2 %	0.9 %	2.3 %	1.1 %	8.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0040 ppm	0.0100 ppm	0.0102 ppm	0.0099 ppm	0.0502 ppm	2.5539 ppm	0.0104 ppm
Concentration per Run 1	0.0040 ppm	0.0100 ppm	0.0104 ppm	0.0100 ppm	0.0503 ppm	2.5462 ppm	0.0113 ppm
Concentration per Run 2	0.0040 ppm	0.0101 ppm	0.0103 ppm	0.0098 ppm	0.0507 ppm	2.5458 ppm	0.0100 ppm
Concentration per Run 3	0.0040 ppm	0.0099 ppm	0.0100 ppm	0.0098 ppm	0.0496 ppm	2.5696 ppm	0.0100 ppm
Recovery Percentage 1	100.409 %	100.450 %	102.011 %	98.636 %	100.418 %	102.155 %	104.468 %
Concentration RSD	0.2 %	0.9 %	2.0 %	1.3 %	1.1 %	0.5 %	7.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1011 ppm	0.0105 ppm	0.0488 ppm	2.0256 ppm	0.0202 ppm	0.0107 ppm	0.0506 ppm
Concentration per Run 1	0.1016 ppm	0.0103 ppm	0.0486 ppm	2.0426 ppm	0.0201 ppm	0.0105 ppm	0.0513 ppm
Concentration per Run 2	0.1005 ppm	0.0100 ppm	0.0489 ppm	2.0080 ppm	0.0203 ppm	0.0109 ppm	0.0502 ppm
Concentration per Run 3	0.1013 ppm	0.0111 ppm	0.0490 ppm	2.0263 ppm	0.0202 ppm	0.0108 ppm	0.0503 ppm
Recovery Percentage 1	101.103 %	104.544 %	97.623 %	101.281 %	101.093 %	107.497 %	101.236 %
Concentration RSD	0.6 %	5.4 %	0.4 %	0.9 %	0.5 %	1.9 %	1.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0098 ppm	0.4882 ppm	0.0504 ppm	0.0102 ppm	0.0099 ppm	0.0192 ppm	0.0102 ppm
Concentration per Run 1	0.0096 ppm	0.4879 ppm	0.0501 ppm	0.0102 ppm	0.0098 ppm	0.0192 ppm	0.0102 ppm
Concentration per Run 2	0.0098 ppm	0.4881 ppm	0.0505 ppm	0.0100 ppm	0.0099 ppm	0.0191 ppm	0.0101 ppm
Concentration per Run 3	0.0100 ppm	0.4884 ppm	0.0505 ppm	0.0103 ppm	0.0099 ppm	0.0192 ppm	0.0102 ppm
Recovery Percentage 1	97.917 %	97.630 %	100.739 %	101.618 %	98.526 %	95.777 %	101.568 %
Concentration RSD	2.1 %	0.1 %	0.5 %	1.1 %	0.9 %	0.4 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0054 ppm	101.1414 %	99.3852 %	100.0900 %	101.1771 %	101.6075 %	99.6735 %
Concentration per Run 1	0.0054 ppm	100.7418 %	99.6070 %	100.2922 %	101.0197 %	101.7596 %	99.9527 %
Concentration per Run 2	0.0054 ppm	101.6781 %	99.3243 %	100.1167 %	101.7114 %	101.6267 %	99.5671 %
Concentration per Run 3	0.0055 ppm	101.0043 %	99.2243 %	99.8610 %	100.8001 %	101.4361 %	99.5006 %
Recovery Percentage 1	108.531 %						
Concentration RSD	0.7 %	0.5 %	0.2 %	0.2 %	0.5 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: ICSA
Analysis started at: 9/25/2025 4:22:17 PM
Comments: <Comment>
Rack: 0
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0012 ppm	516.0105 [SIC 500]	-0.0007 ppm	-0.0021 ppm	0.0022 ppm	-0.0001 ppm	461.5488 ppm
Concentration per Run 1	-0.0013 ppm	512.9376 ppm	-0.0009 ppm	-0.0025 ppm	0.0022 ppm	-0.0001 ppm	458.7184 ppm
Concentration per Run 2	-0.0012 ppm	515.6084 ppm	-0.0020 ppm	-0.0029 ppm	0.0021 ppm	0.0000 ppm	462.1235 ppm
Concentration per Run 3	-0.0012 ppm	519.4856 ppm	0.0009 ppm	-0.0009 ppm	0.0022 ppm	-0.0001 ppm	463.8044 ppm
Recovery Percentage 1	-24.534 %		-13.301 %	-7.044 %	21.723 %	-1.746 %	
Concentration RSD	3.6 %	0.6 %	218.6 %	49.2 %	3.9 %	52.7 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0013 ppm	0.0000 ppm	-0.0008 ppm	-0.0024 ppm	174.7294 ppm	-0.0027 ppm	0.0011 ppm
Concentration per Run 1	0.0014 ppm	-0.0001 ppm	-0.0006 ppm	-0.0025 ppm	173.6753 ppm	0.0124 ppm	0.0010 ppm
Concentration per Run 2	0.0012 ppm	0.0000 ppm	-0.0010 ppm	-0.0024 ppm	174.6264 ppm	-0.0032 ppm	0.0012 ppm
Concentration per Run 3	0.0013 ppm	0.0002 ppm	-0.0008 ppm	-0.0024 ppm	175.8866 ppm	-0.0174 ppm	0.0010 ppm
Recovery Percentage 1	32.757 %	0.419 %	-8.042 %	-24.257 %		-0.109 %	10.866 %
Concentration RSD	6.8 %	346.8 %	23.8 %	3.6 %	0.6 %	543.6 %	8.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	463.8734 ppm	0.0011 ppm	-0.0004 ppm	0.0128 ppm	-0.0079 ppm	-0.0158 ppm	-0.0014 ppm
Concentration per Run 1	460.0130 ppm	0.0005 ppm	-0.0002 ppm	0.0159 ppm	-0.0083 ppm	-0.0160 ppm	-0.0004 ppm
Concentration per Run 2	465.9928 ppm	0.0014 ppm	-0.0005 ppm	0.0038 ppm	-0.0078 ppm	-0.0156 ppm	-0.0012 ppm
Concentration per Run 3	465.6145 ppm	0.0014 ppm	-0.0006 ppm	0.0187 ppm	-0.0076 ppm	-0.0158 ppm	-0.0026 ppm
Recovery Percentage 1		10.585 %	-0.888 %	0.639 %	-31.617 %	-157.865 %	-2.834 %
Concentration RSD	0.7 %	49.4 %	43.6 %	62.1 %	4.6 %	1.3 %	79.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0053 ppm	-0.0036 ppm	0.0035 ppm	0.0057 ppm	0.0018 ppm	-0.0075 ppm	0.0025 ppm
Concentration per Run 1	-0.0082 ppm	-0.0027 ppm	0.0032 ppm	0.0057 ppm	0.0016 ppm	-0.0083 ppm	0.0026 ppm
Concentration per Run 2	-0.0032 ppm	-0.0041 ppm	0.0030 ppm	0.0060 ppm	0.0019 ppm	-0.0083 ppm	0.0026 ppm
Concentration per Run 3	-0.0047 ppm	-0.0039 ppm	0.0043 ppm	0.0055 ppm	0.0018 ppm	-0.0060 ppm	0.0023 ppm
Recovery Percentage 1	-53.371 %	-0.712 %	7.000 %	57.323 %	17.753 %	-37.603 %	24.932 %
Concentration RSD	48.2 %	20.6 %	19.2 %	4.3 %	10.5 %	18.0 %	6.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0006 ppm	94.1060 %	86.7629 %	89.1202 %	93.3330 %	85.9736 %	92.7276 %
Concentration per Run 1	-0.0006 ppm	94.8581 %	87.0457 %	89.2896 %	93.6656 %	85.9994 %	93.0005 %
Concentration per Run 2	-0.0006 ppm	93.8241 %	86.7430 %	89.0813 %	93.5830 %	85.9724 %	92.8119 %
Concentration per Run 3	-0.0005 ppm	93.6358 %	86.5000 %	88.9896 %	92.7503 %	85.9490 %	92.3703 %
Recovery Percentage 1	-11.383 %						
Concentration RSD	10.3 %	0.7 %	0.3 %	0.2 %	0.5 %	0.0 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: SIC Multi
Analysis started at: 9/25/2025 4:27:39 PM
Comments: <Comment>
Rack: 0
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0012 ppm	0.0258 ppm	-0.0059 ppm	-0.0001 ppm	0.0003 ppm	-0.0065 ppm	0.0269 ppm
Concentration per Run 1	0.0014 ppm	0.0233 ppm	-0.0068 ppm	-0.0003 ppm	0.0003 ppm	-0.0063 ppm	0.0228 ppm
Concentration per Run 2	0.0011 ppm	0.0221 ppm	-0.0058 ppm	0.0001 ppm	0.0002 ppm	-0.0065 ppm	0.0277 ppm
Concentration per Run 3	0.0011 ppm	0.0319 ppm	-0.0052 ppm	-0.0003 ppm	0.0004 ppm	-0.0067 ppm	0.0303 ppm
Recovery Percentage 1	24.076 %	25.772 %	-118.477 %	-0.460 %	3.221 %	-130.047 %	26.936 %
Concentration RSD	16.8 %	20.8 %	13.9 %	176.3 %	31.4 %	2.6 %	14.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0032 ppm	-0.0039 ppm	20.3637 ppm	-0.0036 ppm	-0.0256 ppm	-0.0147 ppm	-0.0005 ppm
Concentration per Run 1	-0.0031 ppm	-0.0039 ppm	20.4112 ppm	-0.0037 ppm	-0.0281 ppm	-0.0053 ppm	-0.0006 ppm
Concentration per Run 2	-0.0032 ppm	-0.0039 ppm	20.3427 ppm	-0.0037 ppm	-0.0245 ppm	-0.0181 ppm	-0.0008 ppm
Concentration per Run 3	-0.0032 ppm	-0.0039 ppm	20.3371 ppm	-0.0035 ppm	-0.0242 ppm	-0.0205 ppm	-0.0002 ppm
Recovery Percentage 1	-79.272 %	-38.809 %		-36.197 %	-51.232 %	-0.586 %	-5.125 %
Concentration RSD	1.0 %	0.6 %	0.2 %	3.5 %	8.5 %	55.8 %	57.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0010 ppm	19.5472 ppm	-0.0038 ppm	-0.0033 ppm	0.0002 ppm	-0.0033 ppm	-0.0327 ppm
Concentration per Run 1	-0.0028 ppm	19.4791 ppm	-0.0038 ppm	-0.0075 ppm	0.0002 ppm	-0.0037 ppm	-0.0321 ppm
Concentration per Run 2	-0.0008 ppm	19.4858 ppm	-0.0038 ppm	-0.0003 ppm	0.0003 ppm	-0.0026 ppm	-0.0341 ppm
Concentration per Run 3	0.0066 ppm	19.6767 ppm	-0.0038 ppm	-0.0022 ppm	0.0000 ppm	-0.0034 ppm	-0.0320 ppm
Recovery Percentage 1	0.972 %		-7.626 %	-0.167 %	0.655 %	-32.583 %	-65.469 %
Concentration RSD	510.1 %	0.6 %	0.5 %	111.4 %	93.6 %	17.1 %	3.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	-0.0262 ppm	-0.0015 ppm	-0.0069 ppm	19.9804 ppm	0.0138 ppm	10.2711 [SIC 10]
Concentration per Run 1	-0.0009 ppm	-0.0130 ppm	-0.0016 ppm	-0.0069 ppm	20.0913 ppm	0.0150 ppm	10.2924 ppm
Concentration per Run 2	0.0010 ppm	-0.0267 ppm	-0.0015 ppm	-0.0069 ppm	19.8960 ppm	0.0123 ppm	10.2516 ppm
Concentration per Run 3	0.0012 ppm	-0.0388 ppm	-0.0014 ppm	-0.0070 ppm	19.9539 ppm	0.0142 ppm	10.2693 ppm
Recovery Percentage 1	4.551 %	-5.234 %	-2.983 %	-69.034 %		69.179 %	
Concentration RSD	254.5 %	49.2 %	4.5 %	0.6 %	0.5 %	9.8 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0057 ppm	99.6361 %	98.5542 %	90.6341 %	99.3062 %	100.8776 %	97.4579 %
Concentration per Run 1	-0.0057 ppm	99.2784 %	98.8595 %	90.8026 %	98.8925 %	101.0942 %	97.4722 %
Concentration per Run 2	-0.0058 ppm	100.2387 %	98.4298 %	90.3643 %	100.0735 %	100.5941 %	97.4539 %
Concentration per Run 3	-0.0058 ppm	99.3912 %	98.3734 %	90.7354 %	98.9527 %	100.9446 %	97.4476 %
Recovery Percentage 1	-114.996 %						
Concentration RSD	0.4 %	0.5 %	0.3 %	0.3 %	0.7 %	0.3 %	0.0 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: LDR
Analysis started at: 9/25/2025 4:35:27 PM
Comments: <Comment>
Rack: 0
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0006 ppm	0.0550 ppm	5.2412 ppm	4.9958 ppm	9.7509 ppm	0.0001 ppm	0.0164 ppm
Concentration per Run 1	0.0005 ppm	0.0563 ppm	5.2285 ppm	4.9805 ppm	9.7657 ppm	0.0001 ppm	0.0152 ppm
Concentration per Run 2	0.0005 ppm	0.0578 ppm	5.2499 ppm	5.0032 ppm	10.1279 ppm	0.0001 ppm	0.0126 ppm
Concentration per Run 3	0.0008 ppm	0.0508 ppm	5.2450 ppm	5.0038 ppm	9.3590 ppm	0.0001 ppm	0.0213 ppm
Recovery Percentage 1	0.000 %	0.000 %	104.823 %	99.917 %	97.509 %	0.000 %	0.000 %
Concentration RSD	23.2 %	6.8 %	0.2 %	0.3 %	3.9 %	12.9 %	27.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0008 ppm	0.0012 ppm	-0.0003 ppm	20.1478 [SIC 20]	0.0119 ppm	298.2682 ppm	5.1292 ppm
Concentration per Run 1	-0.0008 ppm	0.0013 ppm	-0.0005 ppm	20.0768 ppm	0.0124 ppm	302.6837 ppm	5.1603 ppm
Concentration per Run 2	-0.0008 ppm	0.0012 ppm	-0.0003 ppm	20.1547 ppm	0.0112 ppm	302.9385 ppm	5.2228 ppm
Concentration per Run 3	-0.0009 ppm	0.0011 ppm	-0.0001 ppm	20.2119 ppm	0.0121 ppm	289.1824 ppm	5.0045 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	100.739 %	0.000 %	99.423 %	102.585 %
Concentration RSD	3.9 %	8.2 %	78.7 %	0.3 %	5.5 %	2.6 %	2.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0339 ppm	0.0014 ppm	4.9127 ppm	435.9825 ppm	9.8554 ppm	47.6100 ppm	-0.0185 ppm
Concentration per Run 1	-0.0324 ppm	0.0022 ppm	4.8985 ppm	432.0805 ppm	9.8412 ppm	47.5932 ppm	-0.0182 ppm
Concentration per Run 2	-0.0364 ppm	0.0013 ppm	4.9187 ppm	448.6306 ppm	9.8531 ppm	47.5904 ppm	-0.0187 ppm
Concentration per Run 3	-0.0329 ppm	0.0006 ppm	4.9209 ppm	427.2363 ppm	9.8717 ppm	47.6463 ppm	-0.0185 ppm
Recovery Percentage 1	0.000 %	0.000 %	98.253 %	87.196 %	98.554 %	95.220 %	0.000 %
Concentration RSD	6.5 %	60.0 %	0.3 %	2.6 %	0.2 %	0.1 %	1.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	21.5142 [SIC 60]	0.0008 ppm	0.0006 ppm	0.0095 ppm	-0.0197 ppm	-0.0015 ppm
Concentration per Run 1	-0.0022 ppm	21.4007 ppm	0.0008 ppm	0.0006 ppm	0.0107 ppm	-0.0199 ppm	-0.0012 ppm
Concentration per Run 2	0.0005 ppm	21.5372 ppm	0.0010 ppm	0.0005 ppm	0.0095 ppm	-0.0197 ppm	-0.0018 ppm
Concentration per Run 3	-0.0004 ppm	21.6048 ppm	0.0007 ppm	0.0006 ppm	0.0082 ppm	-0.0194 ppm	-0.0015 ppm
Recovery Percentage 1	0.000 %	107.571 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	203.4 %	0.5 %	19.1 %	10.3 %	13.0 %	1.2 %	18.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	19.0262 ppm	96.2147 %	88.1952 %	86.6260 %	96.4459 %	90.0093 %	87.9650 %
Concentration per Run 1	19.1182 ppm	95.3729 %	88.3602 %	86.6618 %	95.9038 %	90.2191 %	88.1414 %
Concentration per Run 2	19.0871 ppm	94.2190 %	88.1274 %	86.7206 %	94.3447 %	89.9854 %	87.9301 %
Concentration per Run 3	18.8733 ppm	99.0522 %	88.0980 %	86.4958 %	99.0890 %	89.8234 %	87.8236 %
Recovery Percentage 1	95.131 %						
Concentration RSD	0.7 %	2.6 %	0.2 %	0.1 %	2.5 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: IEC 200 Fe Ag-
Analysis started at: 9/25/2025 4:48:05 PM
Comments: <Comment>
Rack: 1
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0071 ppm	-0.0025 ppm	0.0025 ppm	0.0002 ppm	0.0000 ppm	0.0116 ppm
Concentration per Run 1	0.0000 ppm	0.0031 ppm	-0.0023 ppm	0.0026 ppm	0.0002 ppm	-0.0001 ppm	0.0145 ppm
Concentration per Run 2	-0.0002 ppm	0.0122 ppm	-0.0017 ppm	0.0021 ppm	0.0001 ppm	-0.0001 ppm	0.0118 ppm
Concentration per Run 3	0.0002 ppm	0.0060 ppm	-0.0034 ppm	0.0029 ppm	0.0004 ppm	0.0001 ppm	0.0086 ppm
Recovery Percentage 1	-0.013 %		-49.452 %	8.496 %	2.404 %	-0.616 %	
Concentration RSD	36,380.6 %	65.1 %	34.3 %	15.2 %	63.5 %	278.4 %	25.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0023 ppm	0.0007 ppm	-0.0004 ppm	-0.0041 ppm	178.4522 ppm	0.0384 ppm	0.0006 ppm
Concentration per Run 1	0.0022 ppm	0.0007 ppm	-0.0003 ppm	-0.0044 ppm	176.5481 ppm	0.0286 ppm	0.0010 ppm
Concentration per Run 2	0.0023 ppm	0.0006 ppm	-0.0004 ppm	-0.0040 ppm	179.3043 ppm	0.0400 ppm	0.0000 ppm
Concentration per Run 3	0.0023 ppm	0.0007 ppm	-0.0006 ppm	-0.0040 ppm	179.5042 ppm	0.0467 ppm	0.0008 ppm
Recovery Percentage 1	56.402 %	6.836 %	-4.435 %	-41.450 %		1.538 %	5.817 %
Concentration RSD	0.3 %	4.9 %	31.5 %	6.0 %	0.9 %	23.7 %	93.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0389 ppm	-0.0008 ppm	-0.0012 ppm	0.0543 ppm	-0.0097 ppm	0.0055 ppm	0.0008 ppm
Concentration per Run 1	0.0387 ppm	-0.0011 ppm	-0.0012 ppm	0.0465 ppm	-0.0095 ppm	0.0057 ppm	0.0017 ppm
Concentration per Run 2	0.0394 ppm	-0.0003 ppm	-0.0011 ppm	0.0558 ppm	-0.0100 ppm	0.0057 ppm	0.0004 ppm
Concentration per Run 3	0.0387 ppm	-0.0010 ppm	-0.0012 ppm	0.0605 ppm	-0.0097 ppm	0.0051 ppm	0.0005 ppm
Recovery Percentage 1		-7.967 %	-2.355 %	2.713 %	-38.947 %	54.666 %	1.672 %
Concentration RSD	1.1 %	54.1 %	4.9 %	13.1 %	2.5 %	6.6 %	89.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0059 ppm	0.0009 ppm	0.0013 ppm	-0.0060 ppm	-0.0001 ppm	-0.0075 ppm	0.0032 ppm
Concentration per Run 1	-0.0073 ppm	0.0010 ppm	0.0011 ppm	-0.0059 ppm	-0.0002 ppm	-0.0077 ppm	0.0031 ppm
Concentration per Run 2	-0.0052 ppm	0.0011 ppm	0.0012 ppm	-0.0061 ppm	-0.0002 ppm	-0.0071 ppm	0.0034 ppm
Concentration per Run 3	-0.0054 ppm	0.0006 ppm	0.0016 ppm	-0.0059 ppm	0.0000 ppm	-0.0077 ppm	0.0033 ppm
Recovery Percentage 1	-59.434 %	0.181 %	2.564 %	-59.800 %	-1.319 %	-37.596 %	32.401 %
Concentration RSD	19.2 %	32.1 %	18.7 %	1.2 %	89.6 %	4.4 %	5.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0003 ppm	100.7903 %	99.7472 %	99.2447 %	101.3049 %	99.9940 %	100.8069 %
Concentration per Run 1	-0.0003 ppm	101.0212 %	99.8503 %	99.2940 %	101.6696 %	99.9728 %	100.7945 %
Concentration per Run 2	-0.0002 ppm	100.1824 %	99.8109 %	99.1334 %	101.0196 %	99.9475 %	101.0571 %
Concentration per Run 3	-0.0003 ppm	101.1674 %	99.5803 %	99.3067 %	101.2254 %	100.0618 %	100.5689 %
Recovery Percentage 1	-5.269 %						
Concentration RSD	21.3 %	0.5 %	0.1 %	0.1 %	0.3 %	0.1 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCV
 Analysis started at: 9/25/2025 4:54:41 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4773 ppm	0.4858 ppm	0.4707 ppm	0.4837 ppm	0.4903 ppm	0.4944 ppm	0.4797 ppm
Concentration per Run 1	0.4779 ppm	0.4826 ppm	0.4699 ppm	0.4828 ppm	0.4817 ppm	0.4872 ppm	0.4775 ppm
Concentration per Run 2	0.4782 ppm	0.4843 ppm	0.4714 ppm	0.4854 ppm	0.4949 ppm	0.4974 ppm	0.4815 ppm
Concentration per Run 3	0.4758 ppm	0.4906 ppm	0.4710 ppm	0.4830 ppm	0.4943 ppm	0.4986 ppm	0.4799 ppm
Recovery Percentage 1	95.457 %	97.164 %	94.148 %	96.746 %	98.057 %	98.880 %	95.930 %
Concentration RSD	0.3 %	0.9 %	0.2 %	0.3 %	1.5 %	1.3 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4874 ppm	0.4918 ppm	0.5028 ppm	0.4892 ppm	0.4758 ppm	5.0898 ppm	0.5145 ppm
Concentration per Run 1	0.4872 ppm	0.4907 ppm	0.5020 ppm	0.4898 ppm	0.4677 ppm	5.0145 ppm	0.5064 ppm
Concentration per Run 2	0.4872 ppm	0.4927 ppm	0.5038 ppm	0.4889 ppm	0.4812 ppm	5.1336 ppm	0.5198 ppm
Concentration per Run 3	0.4880 ppm	0.4921 ppm	0.5026 ppm	0.4888 ppm	0.4784 ppm	5.1213 ppm	0.5175 ppm
Recovery Percentage 1	97.489 %	98.367 %	100.563 %	97.836 %	95.155 %	101.797 %	102.910 %
Concentration RSD	0.1 %	0.2 %	0.2 %	0.1 %	1.5 %	1.3 %	1.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4984 ppm	0.4845 ppm	0.4761 ppm	9.9553 ppm	0.5019 ppm	0.4988 ppm	0.4973 ppm
Concentration per Run 1	0.4981 ppm	0.4776 ppm	0.4743 ppm	9.8163 ppm	0.5008 ppm	0.4987 ppm	0.4987 ppm
Concentration per Run 2	0.4988 ppm	0.4866 ppm	0.4773 ppm	10.0432 ppm	0.5030 ppm	0.4990 ppm	0.4980 ppm
Concentration per Run 3	0.4983 ppm	0.4894 ppm	0.4766 ppm	10.0065 ppm	0.5020 ppm	0.4986 ppm	0.4951 ppm
Recovery Percentage 1	99.679 %	96.908 %	95.215 %	99.553 %	100.388 %	99.756 %	99.451 %
Concentration RSD	0.1 %	1.3 %	0.3 %	1.2 %	0.2 %	0.0 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4779 ppm	5.1936 ppm	0.4910 ppm	0.4920 ppm	0.4937 ppm	0.4993 ppm	0.5090 ppm
Concentration per Run 1	0.4767 ppm	5.1844 ppm	0.4896 ppm	0.4840 ppm	0.4934 ppm	0.4988 ppm	0.5081 ppm
Concentration per Run 2	0.4798 ppm	5.2075 ppm	0.4918 ppm	0.4962 ppm	0.4939 ppm	0.4996 ppm	0.5101 ppm
Concentration per Run 3	0.4773 ppm	5.1888 ppm	0.4917 ppm	0.4959 ppm	0.4937 ppm	0.4995 ppm	0.5087 ppm
Recovery Percentage 1	95.586 %	98.925 %	98.210 %	98.404 %	98.731 %	99.860 %	101.793 %
Concentration RSD	0.3 %	0.2 %	0.3 %	1.4 %	0.1 %	0.1 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4967 ppm	101.3438 %	99.9361 %	99.7258 %	101.5856 %	101.9119 %	100.7717 %
Concentration per Run 1	0.4964 ppm	102.1299 %	100.2456 %	99.7626 %	102.1402 %	102.1591 %	101.0218 %
Concentration per Run 2	0.4961 ppm	101.4565 %	99.8004 %	99.8592 %	101.6516 %	101.8685 %	100.6686 %
Concentration per Run 3	0.4977 ppm	100.4449 %	99.7623 %	99.5557 %	100.9651 %	101.7081 %	100.6248 %
Recovery Percentage 1	99.344 %						
Concentration RSD	0.2 %	0.8 %	0.3 %	0.2 %	0.6 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCB
 Analysis started at: 9/25/2025 4:59:45 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0010 ppm	0.0015 ppm	0.0003 ppm	0.0000 ppm	0.0098 ppm
Concentration per Run 1	0.0002 ppm	0.0018 ppm	-0.0011 ppm	0.0016 ppm	0.0002 ppm	0.0000 ppm	0.0131 ppm
Concentration per Run 2	0.0000 ppm	0.0029 ppm	-0.0014 ppm	0.0015 ppm	0.0003 ppm	-0.0001 ppm	0.0113 ppm
Concentration per Run 3	-0.0002 ppm	-0.0050 ppm	-0.0005 ppm	0.0012 ppm	0.0003 ppm	0.0000 ppm	0.0051 ppm
Recovery Percentage 1	0.460 %	-0.116 %	-20.280 %	4.877 %	3.011 %	0.133 %	9.803 %
Concentration RSD	823.0 %	3,706.6 %	46.3 %	15.9 %	18.2 %	877.7 %	42.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0039 ppm	0.0282 ppm	0.0009 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0021 ppm	0.0122 ppm	0.0016 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0016 ppm	0.0318 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0081 ppm	0.0407 ppm	0.0014 ppm
Recovery Percentage 1	0.665 %	0.049 %	1.263 %	1.940 %	7.829 %	1.129 %	9.468 %
Concentration RSD	62.1 %	335.3 %	36.1 %	27.0 %	91.7 %	51.7 %	100.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0005 ppm	-0.0001 ppm	0.0007 ppm	0.0074 ppm	0.0006 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run 1	0.0012 ppm	-0.0003 ppm	0.0008 ppm	0.0035 ppm	0.0006 ppm	0.0003 ppm	0.0015 ppm
Concentration per Run 2	-0.0001 ppm	0.0005 ppm	0.0008 ppm	0.0100 ppm	0.0005 ppm	-0.0001 ppm	0.0005 ppm
Concentration per Run 3	0.0003 ppm	-0.0005 ppm	0.0007 ppm	0.0085 ppm	0.0007 ppm	-0.0002 ppm	0.0005 ppm
Recovery Percentage 1	0.463 %	-0.636 %	1.486 %	0.368 %	2.360 %	-0.250 %	1.651 %
Concentration RSD	147.5 %	833.8 %	10.1 %	46.1 %	21.8 %	1,039.7 %	73.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	-0.0005 ppm	0.0002 ppm	0.0001 ppm	0.0003 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 1	0.0013 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 2	-0.0002 ppm	-0.0013 ppm	0.0005 ppm	0.0001 ppm	0.0004 ppm	-0.0014 ppm	0.0000 ppm
Concentration per Run 3	-0.0031 ppm	-0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0007 ppm	0.0002 ppm
Recovery Percentage 1	-6.539 %	-0.106 %	0.426 %	0.646 %	3.097 %	-3.151 %	0.693 %
Concentration RSD	341.4 %	126.2 %	117.5 %	107.2 %	35.8 %	122.3 %	173.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0013 ppm	100.7983 %	99.7520 %	99.6334 %	99.7690 %	99.9197 %	99.4883 %
Concentration per Run 1	0.0013 ppm	102.1883 %	99.7375 %	99.8480 %	101.2665 %	100.1001 %	99.6065 %
Concentration per Run 2	0.0013 ppm	99.8015 %	99.8474 %	99.6051 %	98.9295 %	99.8964 %	99.5334 %
Concentration per Run 3	0.0012 ppm	100.4049 %	99.6712 %	99.4472 %	99.1109 %	99.7625 %	99.3251 %
Recovery Percentage 1	25.846 %						
Concentration RSD	3.4 %	1.2 %	0.1 %	0.2 %	1.3 %	0.2 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: xIEC 20 Ti
 Analysis started at: 9/25/2025 6:00:57 PM
 Comments: <Comment>
 Rack: 1
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0523 ppm	-0.0013 ppm	0.1559 ppm	0.0004 ppm	-0.0072 ppm	0.0074 ppm
Concentration per Run 1	-0.0004 ppm	0.0462 ppm	-0.0018 ppm	0.1566 ppm	0.0004 ppm	-0.0069 ppm	0.0100 ppm
Concentration per Run 2	-0.0003 ppm	0.0566 ppm	-0.0009 ppm	0.1558 ppm	0.0003 ppm	-0.0073 ppm	0.0004 ppm
Concentration per Run 3	0.0001 ppm	0.0541 ppm	-0.0013 ppm	0.1554 ppm	0.0005 ppm	-0.0073 ppm	0.0119 ppm
Recovery Percentage 1	-4.018 %	52.312 %	-26.373 %	519.825 %	3.983 %	-143.638 %	7.445 %
Concentration RSD	136.8 %	10.4 %	34.5 %	0.4 %	17.1 %	3.5 %	83.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0017 ppm	-0.0010 ppm	-0.0003 ppm	0.0030 ppm	0.0031 ppm	0.0008 ppm
Concentration per Run 1	0.0000 ppm	-0.0016 ppm	-0.0010 ppm	-0.0003 ppm	0.0029 ppm	0.0041 ppm	0.0015 ppm
Concentration per Run 2	0.0000 ppm	-0.0016 ppm	-0.0008 ppm	-0.0002 ppm	0.0021 ppm	0.0097 ppm	0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0017 ppm	-0.0011 ppm	-0.0003 ppm	0.0040 ppm	-0.0045 ppm	0.0005 ppm
Recovery Percentage 1	-0.306 %	-16.541 %		-2.693 %	5.978 %	0.124 %	8.250 %
Concentration RSD	32.3 %	4.3 %	16.0 %	26.2 %	32.2 %	231.2 %	65.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0134 ppm	0.0001 ppm	0.0001 ppm	0.1314 ppm	0.0004 ppm	0.0007 ppm	0.0076 ppm
Concentration per Run 1	0.0140 ppm	-0.0002 ppm	0.0002 ppm	0.1327 ppm	0.0004 ppm	0.0006 ppm	0.0085 ppm
Concentration per Run 2	0.0115 ppm	0.0002 ppm	0.0000 ppm	0.1272 ppm	0.0005 ppm	0.0010 ppm	0.0073 ppm
Concentration per Run 3	0.0145 ppm	0.0003 ppm	0.0001 ppm	0.1344 ppm	0.0004 ppm	0.0006 ppm	0.0071 ppm
Recovery Percentage 1	13.360 %		0.159 %	6.571 %	1.798 %	7.440 %	15.280 %
Concentration RSD	12.1 %	313.7 %	152.0 %	2.9 %	13.8 %	31.5 %	10.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0013 ppm	2.1735 ppm	0.0005 ppm	-0.0072 ppm	20.5364 ppm	-0.0014 ppm	-0.0017 ppm
Concentration per Run 1	-0.0008 ppm	2.2081 ppm	0.0000 ppm	-0.0070 ppm	20.6008 ppm	-0.0024 ppm	-0.0015 ppm
Concentration per Run 2	-0.0019 ppm	2.1723 ppm	0.0006 ppm	-0.0072 ppm	20.5053 ppm	-0.0005 ppm	-0.0020 ppm
Concentration per Run 3	-0.0010 ppm	2.1399 ppm	0.0010 ppm	-0.0072 ppm	20.5031 ppm	-0.0014 ppm	-0.0016 ppm
Recovery Percentage 1	-12.649 %	434.690 %	1.070 %	-71.539 %		-7.130 %	
Concentration RSD	46.5 %	1.6 %	94.8 %	1.3 %	0.3 %	66.3 %	14.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0006 ppm	99.2388 %	99.1136 %	100.4393 %	100.0547 %	101.6858 %	98.7402 %
Concentration per Run 1	-0.0006 ppm	99.5334 %	98.7330 %	100.4948 %	100.7033 %	101.7839 %	98.5204 %
Concentration per Run 2	-0.0006 ppm	98.8893 %	99.2166 %	100.3490 %	99.9435 %	101.4943 %	98.7454 %
Concentration per Run 3	-0.0006 ppm	99.2937 %	99.3911 %	100.4741 %	99.5172 %	101.7793 %	98.9549 %
Recovery Percentage 1	-12.134 %						
Concentration RSD	6.0 %	0.3 %	0.3 %	0.1 %	0.6 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: LDR 200 Fe
 Analysis started at: 9/25/2025 6:06:24 PM
 Comments: <Comment>
 Rack: 1
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0083 ppm	-0.0016 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0152 ppm
Concentration per Run 1	-0.0002 ppm	-0.0028 ppm	-0.0015 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0102 ppm
Concentration per Run 2	0.0003 ppm	-0.0079 ppm	-0.0023 ppm	0.0005 ppm	0.0002 ppm	-0.0001 ppm	0.0244 ppm
Concentration per Run 3	0.0005 ppm	-0.0142 ppm	-0.0009 ppm	0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0112 ppm
Concentration RSD	184.6 %	68.7 %	44.0 %	44.2 %	47.7 %	1,041.9 %	51.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0021 ppm	0.0008 ppm	-0.0005 ppm	-0.0036 ppm	187.9955 ppm	-0.0056 ppm	-0.0002 ppm
Concentration per Run 1	0.0021 ppm	0.0008 ppm	-0.0003 ppm	-0.0038 ppm	185.2435 ppm	-0.0144 ppm	-0.0007 ppm
Concentration per Run 2	0.0021 ppm	0.0009 ppm	-0.0005 ppm	-0.0036 ppm	189.2146 ppm	0.0070 ppm	-0.0003 ppm
Concentration per Run 3	0.0021 ppm	0.0008 ppm	-0.0006 ppm	-0.0034 ppm	189.5285 ppm	-0.0093 ppm	0.0002 ppm
Concentration RSD	1.2 %	5.5 %	35.1 %	5.9 %	1.3 %	200.8 %	182.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0353 ppm	-0.0004 ppm	-0.0021 ppm	0.0138 ppm	-0.0097 ppm	0.0042 ppm	0.0011 ppm
Concentration per Run 1	0.0361 ppm	-0.0003 ppm	-0.0023 ppm	0.0133 ppm	-0.0100 ppm	0.0046 ppm	0.0021 ppm
Concentration per Run 2	0.0339 ppm	-0.0010 ppm	-0.0020 ppm	0.0177 ppm	-0.0098 ppm	0.0041 ppm	0.0003 ppm
Concentration per Run 3	0.0360 ppm	0.0000 ppm	-0.0020 ppm	0.0106 ppm	-0.0094 ppm	0.0038 ppm	0.0008 ppm
Concentration RSD	3.5 %	124.5 %	8.2 %	26.1 %	3.0 %	10.1 %	88.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0067 ppm	-0.0039 ppm	0.0011 ppm	-0.0062 ppm	0.0031 ppm	-0.0070 ppm	0.0032 ppm
Concentration per Run 1	-0.0069 ppm	-0.0035 ppm	0.0009 ppm	-0.0061 ppm	0.0027 ppm	-0.0070 ppm	0.0032 ppm
Concentration per Run 2	-0.0069 ppm	-0.0042 ppm	0.0014 ppm	-0.0062 ppm	0.0032 ppm	-0.0067 ppm	0.0032 ppm
Concentration per Run 3	-0.0065 ppm	-0.0039 ppm	0.0010 ppm	-0.0063 ppm	0.0034 ppm	-0.0072 ppm	0.0031 ppm
Concentration RSD	3.2 %	9.2 %	27.8 %	1.3 %	12.1 %	3.7 %	2.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0048 ppm	98.4053 %	98.3411 %	97.7622 %	99.2789 %	97.8643 %	99.0191 %
Concentration per Run 1	0.0047 ppm	99.5991 %	98.6789 %	97.8527 %	100.3952 %	97.8980 %	99.3716 %
Concentration per Run 2	0.0048 ppm	98.4753 %	98.1456 %	97.6196 %	99.1100 %	97.8525 %	98.7547 %
Concentration per Run 3	0.0049 ppm	97.1416 %	98.1989 %	97.8144 %	98.3316 %	97.8424 %	98.9308 %
Concentration RSD	1.9 %	1.3 %	0.3 %	0.1 %	1.0 %	0.0 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: IEC 10 V TI+
 Analysis started at: 9/25/2025 6:11:43 PM
 Comments: <Comment>
 Rack: 1
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0047 ppm	-0.0384 ppm	0.0056 ppm	0.0018 ppm	0.0006 ppm	0.0093 ppm	-0.0556 ppm
Concentration per Run 1	0.0047 ppm	-0.0414 ppm	0.0045 ppm	0.0019 ppm	0.0006 ppm	0.0092 ppm	-0.0563 ppm
Concentration per Run 2	0.0048 ppm	-0.0346 ppm	0.0057 ppm	0.0015 ppm	0.0006 ppm	0.0094 ppm	-0.0479 ppm
Concentration per Run 3	0.0046 ppm	-0.0393 ppm	0.0064 ppm	0.0020 ppm	0.0007 ppm	0.0094 ppm	-0.0626 ppm
Recovery Percentage 1	94.145 %	-38.410 %	111.223 %	5.922 %	6.386 %	186.414 %	-55.563 %
Concentration RSD	2.3 %	9.0 %	17.2 %	15.4 %	13.0 %	1.3 %	13.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0009 ppm	0.0144 ppm	-0.0227 ppm	0.0317 ppm	0.0107 ppm	0.0004 ppm
Concentration per Run 1	-0.0001 ppm	0.0010 ppm	0.0145 ppm	-0.0224 ppm	0.0328 ppm	0.0239 ppm	0.0003 ppm
Concentration per Run 2	-0.0001 ppm	0.0008 ppm	0.0143 ppm	-0.0228 ppm	0.0304 ppm	-0.0041 ppm	-0.0002 ppm
Concentration per Run 3	-0.0001 ppm	0.0009 ppm	0.0144 ppm	-0.0229 ppm	0.0318 ppm	0.0121 ppm	0.0011 ppm
Recovery Percentage 1	-2.800 %	8.992 %		-227.007 %	63.302 %	0.426 %	3.711 %
Concentration RSD	16.6 %	13.6 %	0.6 %	1.0 %	3.8 %	131.9 %	182.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0170 ppm	-0.0171 ppm	-0.0346 ppm	0.0032 ppm	0.0003 ppm	-0.0130 ppm	-0.0195 ppm
Concentration per Run 1	0.0173 ppm	-0.0166 ppm	-0.0346 ppm	0.0016 ppm	0.0001 ppm	-0.0128 ppm	-0.0206 ppm
Concentration per Run 2	0.0162 ppm	-0.0166 ppm	-0.0345 ppm	0.0009 ppm	0.0004 ppm	-0.0127 ppm	-0.0192 ppm
Concentration per Run 3	0.0175 ppm	-0.0180 ppm	-0.0346 ppm	0.0070 ppm	0.0004 ppm	-0.0135 ppm	-0.0186 ppm
Recovery Percentage 1	17.007 %		-69.146 %	0.158 %	1.220 %	-129.870 %	-38.907 %
Concentration RSD	4.0 %	4.7 %	0.2 %	106.4 %	62.4 %	3.2 %	5.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0105 ppm	-8.4488 ppm	0.0005 ppm	-0.0001 ppm	0.0022 ppm	0.0000 ppm	93.2290 [SIC 10]
Concentration per Run 1	0.0109 ppm	-8.4773 ppm	0.0005 ppm	-0.0002 ppm	0.0022 ppm	-0.0004 ppm	93.3344 ppm
Concentration per Run 2	0.0105 ppm	-8.4100 ppm	0.0006 ppm	0.0000 ppm	0.0025 ppm	-0.0035 ppm	92.6533 ppm
Concentration per Run 3	0.0100 ppm	-8.4590 ppm	0.0004 ppm	-0.0002 ppm	0.0020 ppm	0.0040 ppm	93.6994 ppm
Recovery Percentage 1	104.515 %	-1,689.752 %	1.048 %	-1.487 %		0.158 %	
Concentration RSD	4.5 %	0.4 %	22.0 %	63.3 %	12.0 %	11,994.3 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0009 ppm	98.3526 %	98.4739 %	99.4296 %	98.5719 %	107.4604 %	98.6062 %
Concentration per Run 1	0.0009 ppm	99.1964 %	98.8302 %	99.5954 %	99.3819 %	107.5960 %	98.9525 %
Concentration per Run 2	0.0009 ppm	98.1631 %	98.4490 %	99.3005 %	98.1810 %	107.3025 %	98.6165 %
Concentration per Run 3	0.0009 ppm	97.6982 %	98.1426 %	99.3929 %	98.1527 %	107.4825 %	98.2497 %
Recovery Percentage 1	18.444 %						
Concentration RSD	2.9 %	0.8 %	0.3 %	0.2 %	0.7 %	0.1 %	0.4 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2557076-04 WG2115674
 Analysis started at: 9/25/2025 6:39:02 PM
 Comments: <Comment>
 Rack: 1
 Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0019 ppm	-0.0011 ppm	0.0150 ppm	0.0550 ppm	0.0000 ppm	15.0930 ppm
Concentration per Run 1	-0.0003 ppm	-0.0052 ppm	-0.0004 ppm	0.0153 ppm	0.0539 ppm	0.0000 ppm	14.8859 ppm
Concentration per Run 2	-0.0002 ppm	0.0005 ppm	-0.0013 ppm	0.0151 ppm	0.0558 ppm	0.0001 ppm	15.2043 ppm
Concentration per Run 3	-0.0001 ppm	0.0105 ppm	-0.0017 ppm	0.0146 ppm	0.0554 ppm	-0.0001 ppm	15.1889 ppm
Concentration RSD	53.0 %	411.7 %	56.3 %	2.6 %	1.8 %	5,111.5 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0018 ppm	0.0007 ppm	0.0027 ppm	1.0535 ppm	0.0009 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0018 ppm	0.0006 ppm	0.0035 ppm	1.0406 ppm	0.0015 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0018 ppm	0.0007 ppm	0.0038 ppm	1.0563 ppm	-0.0003 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0017 ppm	0.0007 ppm	0.0007 ppm	1.0637 ppm	0.0014 ppm
Concentration RSD	338.7 %	91.8 %	2.7 %	11.1 %	63.8 %	1.1 %	117.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.5542 ppm	0.0001 ppm	-0.0001 ppm	12.0016 ppm	0.0004 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run 1	6.5572 ppm	-0.0002 ppm	0.0000 ppm	11.8218 ppm	0.0005 ppm	0.0004 ppm	0.0014 ppm
Concentration per Run 2	6.5691 ppm	0.0005 ppm	-0.0001 ppm	12.1163 ppm	0.0005 ppm	0.0006 ppm	0.0006 ppm
Concentration per Run 3	6.5362 ppm	0.0000 ppm	-0.0002 ppm	12.0667 ppm	0.0001 ppm	0.0009 ppm	-0.0010 ppm
Concentration RSD	0.3 %	388.5 %	109.6 %	1.3 %	55.1 %	37.0 %	384.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	4.1042 ppm	-0.0006 ppm	0.0700 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 1	0.0011 ppm	4.0986 ppm	-0.0006 ppm	0.0685 ppm	0.0002 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run 2	-0.0010 ppm	4.1092 ppm	-0.0006 ppm	0.0706 ppm	0.0003 ppm	0.0006 ppm	0.0004 ppm
Concentration per Run 3	0.0004 ppm	4.1049 ppm	-0.0005 ppm	0.0708 ppm	0.0000 ppm	-0.0001 ppm	0.0002 ppm
Concentration RSD	584.2 %	0.1 %	13.4 %	1.8 %	77.2 %	2,126.3 %	51.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0007 ppm	100.0666 %	99.6240 %	101.0320 %	100.4812 %	102.6198 %	100.1906 %
Concentration per Run 1	0.0006 ppm	100.3385 %	99.8518 %	101.1382 %	100.9535 %	102.8013 %	100.3584 %
Concentration per Run 2	0.0007 ppm	100.0807 %	99.5250 %	101.0984 %	100.4139 %	102.5992 %	100.0834 %
Concentration per Run 3	0.0006 ppm	99.7806 %	99.4953 %	100.8593 %	100.0763 %	102.4590 %	100.1299 %
Concentration RSD	10.9 %	0.3 %	0.2 %	0.1 %	0.4 %	0.2 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: WG2115674-3 WG2115674
 Analysis started at: 9/25/2025 6:44:18 PM
 Comments: <Comment>
 Rack: 1
 Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0530 ppm	2.0736 ppm	0.1191 ppm	1.0097 ppm	2.0540 ppm	0.0522 ppm	25.2193 ppm
Concentration per Run 1	0.0531 ppm	2.0537 ppm	0.1203 ppm	1.0107 ppm	2.0261 ppm	0.0513 ppm	25.1076 ppm
Concentration per Run 2	0.0535 ppm	2.0926 ppm	0.1172 ppm	1.0076 ppm	2.0625 ppm	0.0525 ppm	25.3443 ppm
Concentration per Run 3	0.0526 ppm	2.0745 ppm	0.1199 ppm	1.0109 ppm	2.0734 ppm	0.0527 ppm	25.2060 ppm
Concentration RSD	0.9 %	0.9 %	1.4 %	0.2 %	1.2 %	1.4 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0525 ppm	0.4884 ppm	0.2038 ppm	0.2570 ppm	1.0395 ppm	11.6243 ppm	-0.0001 ppm
Concentration per Run 1	0.0525 ppm	0.4884 ppm	0.2034 ppm	0.2567 ppm	1.0215 ppm	11.5231 ppm	-0.0007 ppm
Concentration per Run 2	0.0525 ppm	0.4882 ppm	0.2035 ppm	0.2571 ppm	1.0424 ppm	11.6761 ppm	0.0003 ppm
Concentration per Run 3	0.0526 ppm	0.4887 ppm	0.2044 ppm	0.2571 ppm	1.0547 ppm	11.6736 ppm	0.0002 ppm
Concentration RSD	0.1 %	0.1 %	0.3 %	0.1 %	1.6 %	0.8 %	971.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.5494 ppm	0.5136 ppm	0.9759 ppm	22.4565 ppm	0.4972 ppm	0.5271 ppm	0.4711 ppm
Concentration per Run 1	16.5581 ppm	0.5080 ppm	0.9731 ppm	22.1993 ppm	0.4973 ppm	0.5277 ppm	0.4618 ppm
Concentration per Run 2	16.5271 ppm	0.5162 ppm	0.9766 ppm	22.5393 ppm	0.4968 ppm	0.5260 ppm	0.4724 ppm
Concentration per Run 3	16.5629 ppm	0.5165 ppm	0.9781 ppm	22.6310 ppm	0.4974 ppm	0.5277 ppm	0.4791 ppm
Concentration RSD	0.1 %	0.9 %	0.3 %	1.0 %	0.1 %	0.2 %	1.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1188 ppm	5.0509 ppm	0.9430 ppm	1.0594 ppm	1.0096 ppm	0.1189 ppm	0.5152 ppm
Concentration per Run 1	0.1172 ppm	5.0561 ppm	0.9388 ppm	1.0456 ppm	1.0095 ppm	0.1183 ppm	0.5148 ppm
Concentration per Run 2	0.1209 ppm	5.0481 ppm	0.9412 ppm	1.0629 ppm	1.0091 ppm	0.1191 ppm	0.5151 ppm
Concentration per Run 3	0.1183 ppm	5.0485 ppm	0.9489 ppm	1.0696 ppm	1.0102 ppm	0.1195 ppm	0.5158 ppm
Concentration RSD	1.6 %	0.1 %	0.6 %	1.2 %	0.1 %	0.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4963 ppm	99.0565 %	97.7073 %	99.0444 %	99.7878 %	100.0037 %	98.0723 %
Concentration per Run 1	0.4970 ppm	99.9723 %	97.8978 %	99.2821 %	100.3928 %	100.0550 %	98.2620 %
Concentration per Run 2	0.4957 ppm	98.3695 %	97.9148 %	99.0082 %	99.5270 %	100.1176 %	98.2921 %
Concentration per Run 3	0.4962 ppm	98.8277 %	97.3092 %	98.8430 %	99.4437 %	99.8384 %	97.6629 %
Concentration RSD	0.1 %	0.8 %	0.4 %	0.2 %	0.5 %	0.1 %	0.4 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: WG2115674-4 WG2115674
 Analysis started at: 9/25/2025 6:49:25 PM
 Comments: <Comment>
 Rack: 1
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0007 ppm	-0.0004 ppm	0.0156 ppm	0.0555 ppm	0.0000 ppm	14.8695 ppm
Concentration per Run 1	-0.0001 ppm	0.0020 ppm	-0.0009 ppm	0.0156 ppm	0.0550 ppm	0.0000 ppm	14.7580 ppm
Concentration per Run 2	-0.0002 ppm	-0.0033 ppm	-0.0001 ppm	0.0157 ppm	0.0558 ppm	-0.0001 ppm	15.0484 ppm
Concentration per Run 3	0.0000 ppm	-0.0007 ppm	-0.0001 ppm	0.0153 ppm	0.0557 ppm	0.0001 ppm	14.8021 ppm
Concentration RSD	106.1 %	389.2 %	120.9 %	1.4 %	0.8 %	1,590.2 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0019 ppm	0.0004 ppm	0.0019 ppm	1.0628 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0018 ppm	0.0005 ppm	0.0025 ppm	1.0574 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0021 ppm	0.0003 ppm	0.0023 ppm	1.0717 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0017 ppm	0.0005 ppm	0.0009 ppm	1.0594 ppm	0.0002 ppm
Concentration RSD	27.0 %	150.6 %	11.3 %	29.4 %	45.2 %	0.7 %	103.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.3792 ppm	0.0000 ppm	0.0016 ppm	12.0520 ppm	0.0005 ppm	0.0006 ppm	0.0036 ppm
Concentration per Run 1	6.3913 ppm	0.0003 ppm	0.0018 ppm	12.0235 ppm	0.0005 ppm	0.0010 ppm	0.0042 ppm
Concentration per Run 2	6.4102 ppm	-0.0007 ppm	0.0015 ppm	12.1190 ppm	0.0006 ppm	0.0005 ppm	0.0031 ppm
Concentration per Run 3	6.3362 ppm	0.0004 ppm	0.0015 ppm	12.0134 ppm	0.0004 ppm	0.0005 ppm	0.0035 ppm
Concentration RSD	0.6 %	35,755.9 %	12.0 %	0.5 %	18.3 %	42.6 %	15.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	4.0462 ppm	0.0054 ppm	0.0704 ppm	0.0002 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 1	-0.0007 ppm	4.0333 ppm	0.0067 ppm	0.0696 ppm	0.0000 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run 2	0.0007 ppm	4.0592 ppm	0.0052 ppm	0.0709 ppm	0.0003 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 3	0.0001 ppm	4.0460 ppm	0.0044 ppm	0.0706 ppm	0.0004 ppm	-0.0003 ppm	0.0000 ppm
Concentration RSD	310,423.7 %	0.3 %	21.7 %	0.9 %	104.9 %	90.4 %	72.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0007 ppm	99.4441 %	98.8541 %	100.3499 %	99.9395 %	101.3568 %	99.0245 %
Concentration per Run 1	0.0006 ppm	100.1765 %	99.2044 %	100.6360 %	100.7371 %	101.7475 %	99.3554 %
Concentration per Run 2	0.0007 ppm	99.0779 %	98.5962 %	100.2183 %	99.0885 %	101.1052 %	98.8529 %
Concentration per Run 3	0.0007 ppm	99.0779 %	98.7616 %	100.1955 %	99.9928 %	101.2175 %	98.8652 %
Concentration RSD	8.5 %	0.6 %	0.3 %	0.2 %	0.8 %	0.3 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: WG2115674-5 WG2115674
 Analysis started at: 9/25/2025 6:54:44 PM
 Comments: <Comment>
 Rack: 1
 Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0584 ppm	2.0968 ppm	0.1203 ppm	1.0187 ppm	2.0815 ppm	0.0523 ppm	25.2492 ppm
Concentration per Run 1	0.0589 ppm	2.0528 ppm	0.1203 ppm	1.0151 ppm	2.0520 ppm	0.0515 ppm	25.0031 ppm
Concentration per Run 2	0.0584 ppm	2.1183 ppm	0.1196 ppm	1.0209 ppm	2.0928 ppm	0.0527 ppm	25.4705 ppm
Concentration per Run 3	0.0578 ppm	2.1195 ppm	0.1209 ppm	1.0202 ppm	2.0998 ppm	0.0527 ppm	25.2740 ppm
Concentration RSD	1.0 %	1.8 %	0.5 %	0.3 %	1.2 %	1.3 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0529 ppm	0.4908 ppm	0.2060 ppm	0.2598 ppm	1.0517 ppm	11.8060 ppm	0.0006 ppm
Concentration per Run 1	0.0530 ppm	0.4900 ppm	0.2060 ppm	0.2605 ppm	1.0359 ppm	11.7949 ppm	0.0001 ppm
Concentration per Run 2	0.0529 ppm	0.4915 ppm	0.2061 ppm	0.2597 ppm	1.0571 ppm	11.8167 ppm	0.0004 ppm
Concentration per Run 3	0.0528 ppm	0.4910 ppm	0.2060 ppm	0.2593 ppm	1.0621 ppm	11.8065 ppm	0.0013 ppm
Concentration RSD	0.1 %	0.2 %	0.0 %	0.3 %	1.3 %	0.1 %	105.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.5084 ppm	0.5145 ppm	0.9825 ppm	22.6311 ppm	0.4973 ppm	0.5318 ppm	0.4318 ppm
Concentration per Run 1	16.5001 ppm	0.5084 ppm	0.9771 ppm	22.4085 ppm	0.4964 ppm	0.5306 ppm	0.4057 ppm
Concentration per Run 2	16.5300 ppm	0.5178 ppm	0.9843 ppm	22.6813 ppm	0.4974 ppm	0.5332 ppm	0.4347 ppm
Concentration per Run 3	16.4953 ppm	0.5172 ppm	0.9862 ppm	22.8034 ppm	0.4981 ppm	0.5315 ppm	0.4549 ppm
Concentration RSD	0.1 %	1.0 %	0.5 %	0.9 %	0.2 %	0.3 %	5.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1213 ppm	5.1755 ppm	0.9591 ppm	1.0776 ppm	1.0248 ppm	0.1212 ppm	0.5171 ppm
Concentration per Run 1	0.1202 ppm	5.1582 ppm	0.9544 ppm	1.0620 ppm	1.0250 ppm	0.1196 ppm	0.5161 ppm
Concentration per Run 2	0.1223 ppm	5.1895 ppm	0.9594 ppm	1.0830 ppm	1.0253 ppm	0.1220 ppm	0.5181 ppm
Concentration per Run 3	0.1216 ppm	5.1787 ppm	0.9636 ppm	1.0879 ppm	1.0243 ppm	0.1220 ppm	0.5170 ppm
Concentration RSD	0.9 %	0.3 %	0.5 %	1.3 %	0.1 %	1.1 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4961 ppm	98.4152 %	97.5163 %	99.3659 %	99.0605 %	100.0627 %	97.4604 %
Concentration per Run 1	0.4969 ppm	99.5397 %	97.8804 %	99.4208 %	100.1534 %	100.2856 %	97.7455 %
Concentration per Run 2	0.4962 ppm	97.8111 %	97.1989 %	99.3739 %	98.4941 %	99.9494 %	97.1910 %
Concentration per Run 3	0.4952 ppm	97.8947 %	97.4695 %	99.3030 %	98.5338 %	99.9532 %	97.4448 %
Concentration RSD	0.2 %	1.0 %	0.4 %	0.1 %	1.0 %	0.2 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: WG2115674-6d5 WG2115674
 Analysis started at: 9/25/2025 6:59:51 PM
 Comments: <Comment>
 Rack: 1
 Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0018 ppm	-0.0013 ppm	0.0040 ppm	0.0115 ppm	0.0000 ppm	3.0388 ppm
Concentration per Run 1	0.0000 ppm	-0.0033 ppm	-0.0010 ppm	0.0042 ppm	0.0113 ppm	0.0000 ppm	2.9880 ppm
Concentration per Run 2	0.0001 ppm	0.0026 ppm	-0.0017 ppm	0.0037 ppm	0.0116 ppm	0.0000 ppm	3.0673 ppm
Concentration per Run 3	0.0002 ppm	0.0060 ppm	-0.0013 ppm	0.0040 ppm	0.0116 ppm	0.0000 ppm	3.0611 ppm
Concentration RSD	111.8 %	264.1 %	28.6 %	7.2 %	1.6 %	503.2 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0008 ppm	0.2144 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0022 ppm	0.2176 ppm	0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0011 ppm	0.2093 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	-0.0009 ppm	0.2163 ppm	0.0001 ppm
Concentration RSD	26.2 %	147.4 %	33.1 %	824.8 %	191.1 %	2.1 %	73.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.3014 ppm	0.0001 ppm	0.0020 ppm	2.4250 ppm	0.0005 ppm	0.0001 ppm	0.0056 ppm
Concentration per Run 1	1.3105 ppm	0.0001 ppm	0.0022 ppm	2.4029 ppm	0.0006 ppm	-0.0005 ppm	0.0056 ppm
Concentration per Run 2	1.2908 ppm	0.0002 ppm	0.0021 ppm	2.4425 ppm	0.0007 ppm	0.0008 ppm	0.0063 ppm
Concentration per Run 3	1.3028 ppm	0.0000 ppm	0.0016 ppm	2.4295 ppm	0.0003 ppm	-0.0001 ppm	0.0048 ppm
Concentration RSD	0.8 %	131.3 %	16.9 %	0.8 %	43.1 %	1,260.1 %	13.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	0.8079 ppm	0.0127 ppm	0.0143 ppm	0.0000 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 1	0.0004 ppm	0.8027 ppm	0.0167 ppm	0.0140 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 2	0.0002 ppm	0.8092 ppm	0.0119 ppm	0.0145 ppm	-0.0001 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.8116 ppm	0.0094 ppm	0.0144 ppm	0.0002 ppm	0.0004 ppm	0.0001 ppm
Concentration RSD	108.5 %	0.6 %	29.2 %	1.9 %	711.1 %	808.2 %	44.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	99.0290 %	99.2898 %	100.6923 %	99.3500 %	101.8031 %	99.0460 %
Concentration per Run 1	0.0004 ppm	100.1081 %	99.1081 %	100.6719 %	100.5817 %	101.7561 %	98.8812 %
Concentration per Run 2	0.0004 ppm	98.5891 %	99.4379 %	100.5475 %	99.1497 %	101.8801 %	99.0950 %
Concentration per Run 3	0.0004 ppm	98.3898 %	99.3233 %	100.8574 %	98.3187 %	101.7732 %	99.1618 %
Concentration RSD	8.6 %	0.9 %	0.2 %	0.2 %	1.2 %	0.1 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2556911-11 WG2115674
 Analysis started at: 9/25/2025 7:07:09 PM
 Comments: <Comment>
 Rack: 1
 Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0004 ppm	0.8488 ppm	0.0023 ppm	0.0184 ppm	0.0521 ppm	0.0000 ppm	93.4622 ppm
Concentration per Run 1	-0.0004 ppm	0.8470 ppm	0.0020 ppm	0.0182 ppm	0.0519 ppm	0.0001 ppm	93.3578 ppm
Concentration per Run 2	-0.0003 ppm	0.8434 ppm	0.0026 ppm	0.0184 ppm	0.0523 ppm	0.0000 ppm	94.0783 ppm
Concentration per Run 3	-0.0006 ppm	0.8560 ppm	0.0023 ppm	0.0187 ppm	0.0521 ppm	0.0000 ppm	92.9505 ppm
Concentration RSD	37.4 %	0.8 %	13.4 %	1.5 %	0.4 %	289.8 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0014 ppm	0.1333 ppm	3.5154 ppm	0.0033 ppm
Concentration per Run 1	0.0000 ppm	0.0003 ppm	0.0005 ppm	0.0013 ppm	0.1312 ppm	3.5276 ppm	0.0031 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0014 ppm	0.1348 ppm	3.4929 ppm	0.0036 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0003 ppm	0.0015 ppm	0.1341 ppm	3.5256 ppm	0.0031 ppm
Concentration RSD	88.0 %	22.8 %	20.7 %	7.3 %	1.5 %	0.6 %	8.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	38.8573 ppm	0.1232 ppm	0.0028 ppm	236.3400 ppm	0.0344 ppm	0.0011 ppm	0.0016 ppm
Concentration per Run 1	39.0853 ppm	0.1231 ppm	0.0028 ppm	232.4301 ppm	0.0342 ppm	0.0007 ppm	0.0017 ppm
Concentration per Run 2	38.8803 ppm	0.1234 ppm	0.0028 ppm	239.5532 ppm	0.0346 ppm	0.0013 ppm	0.0011 ppm
Concentration per Run 3	38.6063 ppm	0.1230 ppm	0.0028 ppm	237.0368 ppm	0.0345 ppm	0.0014 ppm	0.0019 ppm
Concentration RSD	0.6 %	0.2 %	1.3 %	1.5 %	0.5 %	34.9 %	28.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0001 ppm	3.7555 ppm	0.0004 ppm	0.5733 ppm	0.0007 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run 1	0.0005 ppm	3.7424 ppm	0.0004 ppm	0.5719 ppm	0.0006 ppm	-0.0002 ppm	0.0015 ppm
Concentration per Run 2	-0.0003 ppm	3.7588 ppm	0.0005 ppm	0.5738 ppm	0.0009 ppm	0.0007 ppm	0.0014 ppm
Concentration per Run 3	0.0002 ppm	3.7654 ppm	0.0002 ppm	0.5741 ppm	0.0008 ppm	-0.0005 ppm	0.0013 ppm
Concentration RSD	307.8 %	0.3 %	48.7 %	0.2 %	19.8 %	7,161.3 %	9.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0042 ppm	95.1617 %	92.2445 %	93.7820 %	96.1455 %	91.0292 %	93.0880 %
Concentration per Run 1	0.0042 ppm	95.8576 %	92.3564 %	93.8665 %	96.4145 %	91.3378 %	93.2209 %
Concentration per Run 2	0.0041 ppm	94.4837 %	92.1393 %	93.8530 %	95.5703 %	91.0289 %	93.0296 %
Concentration per Run 3	0.0042 ppm	95.1438 %	92.2380 %	93.6264 %	96.4517 %	90.7209 %	93.0134 %
Concentration RSD	0.2 %	0.7 %	0.1 %	0.1 %	0.5 %	0.3 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCV
 Analysis started at: 9/25/2025 7:12:36 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4918 ppm	0.4859 ppm	0.4732 ppm	0.4818 ppm	0.4933 ppm	0.5130 ppm	0.5162 ppm
Concentration per Run 1	0.4929 ppm	0.4945 ppm	0.4730 ppm	0.4813 ppm	0.4861 ppm	0.5044 ppm	0.5073 ppm
Concentration per Run 2	0.4899 ppm	0.4764 ppm	0.4720 ppm	0.4814 ppm	0.4948 ppm	0.5154 ppm	0.5265 ppm
Concentration per Run 3	0.4926 ppm	0.4869 ppm	0.4745 ppm	0.4828 ppm	0.4989 ppm	0.5191 ppm	0.5147 ppm
Recovery Percentage 1	98.365 %	97.189 %	94.633 %	96.362 %	98.652 %	102.592 %	103.238 %
Concentration RSD	0.3 %	1.9 %	0.3 %	0.2 %	1.3 %	1.5 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4928 ppm	0.4971 ppm	0.5117 ppm	0.5063 ppm	0.5095 ppm	5.1947 ppm	0.5089 ppm
Concentration per Run 1	0.4922 ppm	0.4964 ppm	0.5120 ppm	0.5060 ppm	0.5004 ppm	5.1435 ppm	0.5026 ppm
Concentration per Run 2	0.4931 ppm	0.4969 ppm	0.5122 ppm	0.5041 ppm	0.5132 ppm	5.2216 ppm	0.5076 ppm
Concentration per Run 3	0.4931 ppm	0.4980 ppm	0.5108 ppm	0.5088 ppm	0.5151 ppm	5.2190 ppm	0.5165 ppm
Recovery Percentage 1	98.558 %	99.422 %	102.337 %	101.259 %	101.907 %	103.894 %	101.786 %
Concentration RSD	0.1 %	0.2 %	0.2 %	0.5 %	1.6 %	0.9 %	1.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4928 ppm	0.5129 ppm	0.4854 ppm	10.0592 ppm	0.4980 ppm	0.4987 ppm	0.4996 ppm
Concentration per Run 1	0.4948 ppm	0.5035 ppm	0.4843 ppm	9.9408 ppm	0.4966 ppm	0.4981 ppm	0.4998 ppm
Concentration per Run 2	0.4933 ppm	0.5195 ppm	0.4857 ppm	10.0774 ppm	0.4984 ppm	0.4990 ppm	0.4989 ppm
Concentration per Run 3	0.4902 ppm	0.5157 ppm	0.4862 ppm	10.1595 ppm	0.4991 ppm	0.4989 ppm	0.5002 ppm
Recovery Percentage 1	98.556 %	102.583 %	97.081 %	100.592 %	99.605 %	99.735 %	99.925 %
Concentration RSD	0.5 %	1.6 %	0.2 %	1.1 %	0.3 %	0.1 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4832 ppm	5.1703 ppm	0.4898 ppm	0.5032 ppm	0.5041 ppm	0.5035 ppm	0.5074 ppm
Concentration per Run 1	0.4817 ppm	5.1630 ppm	0.4891 ppm	0.4956 ppm	0.5048 ppm	0.5039 ppm	0.5081 ppm
Concentration per Run 2	0.4837 ppm	5.1665 ppm	0.4900 ppm	0.5037 ppm	0.5032 ppm	0.5014 ppm	0.5076 ppm
Concentration per Run 3	0.4843 ppm	5.1813 ppm	0.4903 ppm	0.5103 ppm	0.5043 ppm	0.5051 ppm	0.5066 ppm
Recovery Percentage 1	96.644 %	98.481 %	97.962 %	100.639 %	100.823 %	100.692 %	101.483 %
Concentration RSD	0.3 %	0.2 %	0.1 %	1.5 %	0.2 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4926 ppm	97.6872 %	98.9263 %	100.1170 %	98.2434 %	101.1554 %	98.9836 %
Concentration per Run 1	0.4917 ppm	98.3426 %	98.9685 %	100.1508 %	99.1817 %	101.3900 %	99.0132 %
Concentration per Run 2	0.4931 ppm	96.8912 %	98.7505 %	100.1479 %	97.3486 %	101.0502 %	98.9942 %
Concentration per Run 3	0.4928 ppm	97.8277 %	99.0600 %	100.0525 %	98.2001 %	101.0262 %	98.9433 %
Recovery Percentage 1	98.511 %						
Concentration RSD	0.1 %	0.8 %	0.2 %	0.1 %	0.9 %	0.2 %	0.0 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCB
 Analysis started at: 9/25/2025 7:17:39 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0049 ppm	-0.0004 ppm	0.0008 ppm	0.0003 ppm	0.0001 ppm	0.0142 ppm
Concentration per Run 1	-0.0001 ppm	-0.0066 ppm	-0.0006 ppm	0.0007 ppm	0.0003 ppm	0.0001 ppm	0.0146 ppm
Concentration per Run 2	-0.0004 ppm	-0.0099 ppm	-0.0008 ppm	0.0010 ppm	0.0003 ppm	0.0000 ppm	0.0173 ppm
Concentration per Run 3	0.0001 ppm	0.0017 ppm	0.0002 ppm	0.0008 ppm	0.0004 ppm	0.0000 ppm	0.0108 ppm
Recovery Percentage 1	-3.189 %	-4.933 %	-7.938 %	2.718 %	3.354 %	1.002 %	14.202 %
Concentration RSD	165.7 %	121.2 %	132.6 %	17.8 %	16.3 %	70.3 %	23.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0023 ppm	0.0376 ppm	0.0016 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0020 ppm	0.0440 ppm	0.0010 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0001 ppm	0.0038 ppm	0.0314 ppm	0.0018 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0012 ppm	0.0375 ppm	0.0019 ppm
Recovery Percentage 1	1.246 %	0.826 %	1.937 %	2.261 %	4.639 %	1.505 %	15.727 %
Concentration RSD	29.1 %	25.5 %	130.0 %	61.2 %	56.9 %	16.7 %	32.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0036 ppm	0.0000 ppm	0.0007 ppm	0.0149 ppm	0.0005 ppm	0.0003 ppm	0.0022 ppm
Concentration per Run 1	0.0032 ppm	-0.0005 ppm	0.0008 ppm	0.0068 ppm	0.0003 ppm	0.0003 ppm	0.0018 ppm
Concentration per Run 2	0.0049 ppm	0.0000 ppm	0.0006 ppm	0.0163 ppm	0.0004 ppm	0.0000 ppm	0.0025 ppm
Concentration per Run 3	0.0026 ppm	0.0005 ppm	0.0006 ppm	0.0217 ppm	0.0007 ppm	0.0007 ppm	0.0024 ppm
Recovery Percentage 1	3.562 %	0.197 %	1.345 %	0.746 %	1.857 %	3.094 %	4.439 %
Concentration RSD	33.8 %	2,441.5 %	13.4 %	50.6 %	44.1 %	117.1 %	15.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0009 ppm	-0.0021 ppm	0.0022 ppm	0.0001 ppm	0.0002 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 1	-0.0014 ppm	-0.0023 ppm	0.0027 ppm	0.0000 ppm	0.0003 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 2	-0.0012 ppm	-0.0023 ppm	0.0021 ppm	0.0001 ppm	0.0002 ppm	-0.0013 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	-0.0017 ppm	0.0017 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	0.0001 ppm
Recovery Percentage 1	-9.214 %	-0.417 %	4.314 %	1.036 %	2.034 %	-3.698 %	1.404 %
Concentration RSD	77.7 %	17.1 %	22.7 %	46.7 %	62.9 %	73.7 %	23.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0012 ppm	97.6327 %	99.3720 %	100.1007 %	96.9317 %	99.3767 %	98.0521 %
Concentration per Run 1	0.0012 ppm	98.3882 %	99.2165 %	100.1474 %	97.5369 %	99.3525 %	97.8630 %
Concentration per Run 2	0.0012 ppm	96.5734 %	99.3567 %	99.8467 %	95.8841 %	99.0964 %	98.1165 %
Concentration per Run 3	0.0012 ppm	97.9364 %	99.5427 %	100.3081 %	97.3741 %	99.6812 %	98.1770 %
Recovery Percentage 1	24.145 %						
Concentration RSD	1.8 %	1.0 %	0.2 %	0.2 %	0.9 %	0.3 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2557076-02 WG2115674
 Analysis started at: 9/25/2025 7:25:51 PM
 Comments: <Comment>
 Rack: 1
 Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0038 ppm	-0.0008 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0172 ppm
Concentration per Run 1	0.0003 ppm	0.0103 ppm	-0.0007 ppm	0.0006 ppm	0.0002 ppm	0.0000 ppm	0.0225 ppm
Concentration per Run 2	-0.0003 ppm	0.0031 ppm	-0.0003 ppm	0.0007 ppm	0.0001 ppm	-0.0001 ppm	0.0241 ppm
Concentration per Run 3	0.0000 ppm	-0.0019 ppm	-0.0014 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0051 ppm
Concentration RSD	4,672.4 %	161.6 %	72.1 %	40.0 %	56.9 %	296.5 %	61.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0007 ppm	-0.0003 ppm	-0.0006 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0004 ppm	0.0022 ppm	-0.0031 ppm	-0.0005 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0008 ppm	0.0118 ppm	-0.0005 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	-0.0009 ppm	-0.0096 ppm	-0.0007 ppm
Concentration RSD	235.2 %	1,516.3 %	845.6 %	25.2 %	227.0 %	3,486.8 %	24.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0028 ppm	-0.0001 ppm	0.0001 ppm	-0.0023 ppm	0.0004 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run 1	0.0022 ppm	0.0002 ppm	0.0002 ppm	-0.0014 ppm	0.0003 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run 2	0.0013 ppm	-0.0007 ppm	0.0002 ppm	-0.0011 ppm	0.0004 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 3	0.0047 ppm	0.0002 ppm	0.0000 ppm	-0.0044 ppm	0.0005 ppm	0.0001 ppm	0.0012 ppm
Concentration RSD	63.2 %	504.7 %	69.4 %	80.1 %	19.8 %	112.7 %	140.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	0.0067 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	-0.0003 ppm	-0.0001 ppm
Concentration per Run 1	0.0003 ppm	0.0068 ppm	-0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	0.0002 ppm	0.0060 ppm	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0009 ppm	-0.0002 ppm
Concentration per Run 3	0.0004 ppm	0.0072 ppm	-0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm
Concentration RSD	31.5 %	9.4 %	63.6 %	195.8 %	1,224.6 %	224.6 %	196.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0027 ppm	100.3815 %	101.2622 %	102.0133 %	99.3504 %	102.6137 %	100.2504 %
Concentration per Run 1	0.0027 ppm	101.4983 %	101.2986 %	101.8757 %	100.2888 %	102.5610 %	100.2310 %
Concentration per Run 2	0.0027 ppm	99.8925 %	101.5458 %	102.0387 %	98.7279 %	102.5626 %	100.4961 %
Concentration per Run 3	0.0027 ppm	99.7536 %	100.9423 %	102.1254 %	99.0346 %	102.7175 %	100.0240 %
Concentration RSD	1.3 %	1.0 %	0.3 %	0.1 %	0.8 %	0.1 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2556911-13 WG2115674
 Analysis started at: 9/25/2025 7:31:13 PM
 Comments: <Comment>
 Rack: 1
 Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.5319 ppm	0.0013 ppm	0.0118 ppm	0.0628 ppm	0.0000 ppm	96.6513 ppm
Concentration per Run 1	-0.0007 ppm	0.5299 ppm	0.0022 ppm	0.0118 ppm	0.0626 ppm	0.0001 ppm	96.0440 ppm
Concentration per Run 2	0.0000 ppm	0.5339 ppm	0.0010 ppm	0.0117 ppm	0.0629 ppm	0.0001 ppm	97.0711 ppm
Concentration per Run 3	-0.0002 ppm	0.5320 ppm	0.0008 ppm	0.0118 ppm	0.0630 ppm	0.0000 ppm	96.8387 ppm
Concentration RSD	136.2 %	0.4 %	56.9 %	0.7 %	0.3 %	115.8 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0017 ppm	0.1886 ppm	2.9303 ppm	0.0035 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0017 ppm	0.1879 ppm	2.9449 ppm	0.0033 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0016 ppm	0.1924 ppm	2.9090 ppm	0.0032 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0018 ppm	0.1856 ppm	2.9370 ppm	0.0041 ppm
Concentration RSD	82.9 %	120.0 %	98.5 %	6.9 %	1.8 %	0.6 %	14.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	41.2625 ppm	0.1032 ppm	0.0012 ppm	198.9644 ppm	0.0104 ppm	0.0004 ppm	0.0017 ppm
Concentration per Run 1	41.3574 ppm	0.1027 ppm	0.0013 ppm	196.0181 ppm	0.0103 ppm	0.0002 ppm	0.0017 ppm
Concentration per Run 2	41.4274 ppm	0.1039 ppm	0.0011 ppm	200.5274 ppm	0.0102 ppm	0.0004 ppm	0.0025 ppm
Concentration per Run 3	41.0026 ppm	0.1030 ppm	0.0013 ppm	200.3476 ppm	0.0106 ppm	0.0006 ppm	0.0010 ppm
Concentration RSD	0.6 %	0.6 %	8.3 %	1.3 %	1.9 %	51.3 %	42.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	4.8675 ppm	0.0007 ppm	0.4544 ppm	0.0006 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run 1	0.0002 ppm	4.8524 ppm	0.0006 ppm	0.4527 ppm	0.0005 ppm	0.0004 ppm	0.0005 ppm
Concentration per Run 2	0.0004 ppm	4.8651 ppm	0.0008 ppm	0.4553 ppm	0.0004 ppm	-0.0015 ppm	0.0002 ppm
Concentration per Run 3	0.0010 ppm	4.8851 ppm	0.0005 ppm	0.4553 ppm	0.0007 ppm	-0.0004 ppm	0.0002 ppm
Concentration RSD	76.8 %	0.3 %	28.6 %	0.3 %	27.5 %	190.7 %	55.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0029 ppm	96.1261 %	92.7037 %	93.8012 %	97.0139 %	91.2856 %	93.7435 %
Concentration per Run 1	0.0029 ppm	97.2207 %	92.7228 %	93.9595 %	98.0126 %	91.6286 %	93.8072 %
Concentration per Run 2	0.0028 ppm	95.8274 %	92.6589 %	93.6250 %	96.6044 %	91.2349 %	93.6287 %
Concentration per Run 3	0.0030 ppm	95.3303 %	92.7295 %	93.8191 %	96.4247 %	90.9934 %	93.7946 %
Concentration RSD	2.1 %	1.0 %	0.0 %	0.2 %	0.9 %	0.4 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2556911-15 WG2115674
 Analysis started at: 9/25/2025 7:36:41 PM
 Comments: <Comment>
 Rack: 1
 Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0004 ppm	0.3142 ppm	0.0012 ppm	0.0098 ppm	0.0463 ppm	0.0000 ppm	80.9413 ppm
Concentration per Run 1	-0.0003 ppm	0.3197 ppm	0.0008 ppm	0.0097 ppm	0.0457 ppm	0.0000 ppm	80.7641 ppm
Concentration per Run 2	-0.0006 ppm	0.3085 ppm	0.0022 ppm	0.0099 ppm	0.0467 ppm	-0.0001 ppm	81.2205 ppm
Concentration per Run 3	-0.0002 ppm	0.3143 ppm	0.0008 ppm	0.0099 ppm	0.0465 ppm	0.0000 ppm	80.8394 ppm
Concentration RSD	61.9 %	1.8 %	65.7 %	1.0 %	1.2 %	176.2 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0014 ppm	0.1297 ppm	2.2769 ppm	0.0034 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0014 ppm	0.1298 ppm	2.2775 ppm	0.0040 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0013 ppm	0.1311 ppm	2.2724 ppm	0.0035 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0015 ppm	0.1281 ppm	2.2807 ppm	0.0029 ppm
Concentration RSD	49.8 %	24.4 %	173.2 %	9.1 %	1.2 %	0.2 %	15.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	39.0832 ppm	0.0482 ppm	0.0031 ppm	167.9006 ppm	0.0061 ppm	0.0012 ppm	0.0015 ppm
Concentration per Run 1	39.2681 ppm	0.0472 ppm	0.0031 ppm	167.2778 ppm	0.0058 ppm	0.0011 ppm	0.0028 ppm
Concentration per Run 2	39.0537 ppm	0.0483 ppm	0.0031 ppm	167.9358 ppm	0.0062 ppm	0.0018 ppm	0.0010 ppm
Concentration per Run 3	38.9279 ppm	0.0490 ppm	0.0030 ppm	168.4880 ppm	0.0062 ppm	0.0008 ppm	0.0006 ppm
Concentration RSD	0.4 %	1.9 %	2.8 %	0.4 %	3.5 %	39.9 %	78.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0001 ppm	1.9847 ppm	-0.0006 ppm	0.2672 ppm	0.0030 ppm	-0.0001 ppm	0.0005 ppm
Concentration per Run 1	0.0004 ppm	1.9858 ppm	-0.0004 ppm	0.2649 ppm	0.0030 ppm	-0.0004 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	1.9866 ppm	-0.0005 ppm	0.2686 ppm	0.0029 ppm	0.0007 ppm	0.0004 ppm
Concentration per Run 3	-0.0006 ppm	1.9818 ppm	-0.0008 ppm	0.2681 ppm	0.0031 ppm	-0.0004 ppm	0.0006 ppm
Concentration RSD	635.7 %	0.1 %	34.5 %	0.7 %	2.9 %	1,194.0 %	22.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0022 ppm	95.3391 %	93.1824 %	94.3127 %	96.1785 %	92.2419 %	94.0616 %
Concentration per Run 1	0.0021 ppm	95.4119 %	93.2817 %	94.3916 %	96.3241 %	92.2987 %	94.0292 %
Concentration per Run 2	0.0022 ppm	95.1405 %	93.0933 %	94.2793 %	96.0884 %	92.1583 %	94.0443 %
Concentration per Run 3	0.0022 ppm	95.4649 %	93.1722 %	94.2674 %	96.1228 %	92.2688 %	94.1112 %
Concentration RSD	2.0 %	0.2 %	0.1 %	0.1 %	0.1 %	0.1 %	0.0 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2556911-17 WG2115674
 Analysis started at: 9/25/2025 7:42:00 PM
 Comments: <Comment>
 Rack: 1
 Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.1696 ppm	0.0006 ppm	0.0301 ppm	0.0420 ppm	0.0000 ppm	61.0466 ppm
Concentration per Run 1	-0.0003 ppm	0.1645 ppm	0.0013 ppm	0.0300 ppm	0.0416 ppm	-0.0001 ppm	60.4077 ppm
Concentration per Run 2	-0.0005 ppm	0.1866 ppm	0.0004 ppm	0.0302 ppm	0.0425 ppm	0.0000 ppm	62.0349 ppm
Concentration per Run 3	-0.0001 ppm	0.1578 ppm	0.0001 ppm	0.0300 ppm	0.0419 ppm	0.0001 ppm	60.6972 ppm
Concentration RSD	61.0 %	8.9 %	104.7 %	0.3 %	1.2 %	1,885.9 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0114 ppm	0.0218 ppm	3.1809 ppm	0.0025 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0114 ppm	0.0203 ppm	3.1444 ppm	0.0019 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0007 ppm	0.0115 ppm	0.0211 ppm	3.2545 ppm	0.0025 ppm
Concentration per Run 3	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0114 ppm	0.0239 ppm	3.1437 ppm	0.0031 ppm
Concentration RSD	11.5 %	147.9 %	59.7 %	0.3 %	8.7 %	2.0 %	23.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	19.1340 ppm	0.0631 ppm	0.0026 ppm	73.0470 ppm	0.0070 ppm	0.0005 ppm	0.0016 ppm
Concentration per Run 1	19.1099 ppm	0.0620 ppm	0.0027 ppm	72.2256 ppm	0.0070 ppm	0.0005 ppm	0.0011 ppm
Concentration per Run 2	19.1124 ppm	0.0645 ppm	0.0025 ppm	74.2572 ppm	0.0070 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run 3	19.1796 ppm	0.0628 ppm	0.0026 ppm	72.6581 ppm	0.0069 ppm	0.0008 ppm	0.0017 ppm
Concentration RSD	0.2 %	2.1 %	3.7 %	1.5 %	1.1 %	75.0 %	27.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0013 ppm	2.7076 ppm	-0.0005 ppm	0.2897 ppm	0.0003 ppm	-0.0004 ppm	0.0007 ppm
Concentration per Run 1	-0.0011 ppm	2.6979 ppm	-0.0006 ppm	0.2867 ppm	0.0002 ppm	0.0000 ppm	0.0007 ppm
Concentration per Run 2	-0.0018 ppm	2.7123 ppm	-0.0007 ppm	0.2942 ppm	0.0007 ppm	-0.0006 ppm	0.0006 ppm
Concentration per Run 3	-0.0011 ppm	2.7125 ppm	-0.0003 ppm	0.2882 ppm	0.0000 ppm	-0.0006 ppm	0.0007 ppm
Concentration RSD	31.3 %	0.3 %	43.8 %	1.4 %	122.0 %	82.2 %	8.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0184 ppm	97.7967 %	95.6724 %	96.7369 %	98.7714 %	95.6769 %	95.8421 %
Concentration per Run 1	0.0184 ppm	98.7540 %	95.8013 %	96.6674 %	99.6764 %	95.6988 %	95.9513 %
Concentration per Run 2	0.0183 ppm	96.6591 %	95.7797 %	96.8273 %	97.5604 %	95.7434 %	95.9900 %
Concentration per Run 3	0.0184 ppm	97.9771 %	95.4363 %	96.7159 %	99.0773 %	95.5886 %	95.5852 %
Concentration RSD	0.3 %	1.1 %	0.2 %	0.1 %	1.1 %	0.1 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2557076-03 WG2115674
 Analysis started at: 9/25/2025 7:47:13 PM
 Comments: <Comment>
 Rack: 1
 Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0027 ppm	0.0002 ppm	0.0201 ppm	0.0133 ppm	0.0000 ppm	23.4230 ppm
Concentration per Run 1	0.0000 ppm	-0.0019 ppm	-0.0004 ppm	0.0200 ppm	0.0129 ppm	0.0000 ppm	23.3157 ppm
Concentration per Run 2	-0.0001 ppm	0.0142 ppm	0.0008 ppm	0.0201 ppm	0.0135 ppm	0.0000 ppm	23.4250 ppm
Concentration per Run 3	0.0001 ppm	-0.0041 ppm	0.0001 ppm	0.0202 ppm	0.0135 ppm	-0.0001 ppm	23.5283 ppm
Concentration RSD	2,033.7 %	366.8 %	383.5 %	0.6 %	2.5 %	661.9 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0008 ppm	0.0008 ppm	0.0067 ppm	1.6362 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0010 ppm	0.0009 ppm	0.0039 ppm	1.6313 ppm	-0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0010 ppm	0.0007 ppm	0.0067 ppm	1.6438 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0008 ppm	0.0096 ppm	1.6334 ppm	-0.0001 ppm
Concentration RSD	218.3 %	37.5 %	33.7 %	13.0 %	42.0 %	0.4 %	119.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.7461 ppm	0.0000 ppm	0.0006 ppm	10.8108 ppm	0.0005 ppm	0.0005 ppm	0.0008 ppm
Concentration per Run 1	4.7746 ppm	-0.0005 ppm	0.0006 ppm	10.6911 ppm	0.0003 ppm	0.0001 ppm	0.0011 ppm
Concentration per Run 2	4.7441 ppm	0.0002 ppm	0.0008 ppm	10.8839 ppm	0.0004 ppm	0.0009 ppm	0.0004 ppm
Concentration per Run 3	4.7195 ppm	0.0003 ppm	0.0005 ppm	10.8575 ppm	0.0008 ppm	0.0004 ppm	0.0008 ppm
Concentration RSD	0.6 %	1,511.4 %	20.6 %	1.0 %	52.9 %	88.0 %	44.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	1.2590 ppm	-0.0006 ppm	0.0759 ppm	0.0000 ppm	-0.0002 ppm	0.0005 ppm
Concentration per Run 1	-0.0011 ppm	1.2578 ppm	-0.0006 ppm	0.0747 ppm	0.0001 ppm	-0.0009 ppm	0.0004 ppm
Concentration per Run 2	-0.0001 ppm	1.2571 ppm	-0.0008 ppm	0.0763 ppm	0.0000 ppm	0.0006 ppm	0.0007 ppm
Concentration per Run 3	-0.0011 ppm	1.2620 ppm	-0.0004 ppm	0.0766 ppm	-0.0002 ppm	-0.0003 ppm	0.0005 ppm
Concentration RSD	78.8 %	0.2 %	34.6 %	1.3 %	274.6 %	407.5 %	29.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	99.1574 %	99.3493 %	100.2181 %	99.7883 %	100.9573 %	99.3691 %
Concentration per Run 1	0.0009 ppm	99.6254 %	99.5417 %	100.5989 %	100.2273 %	101.3799 %	99.5693 %
Concentration per Run 2	0.0008 ppm	99.7134 %	99.4574 %	100.0789 %	100.2989 %	100.7834 %	99.5198 %
Concentration per Run 3	0.0008 ppm	98.1335 %	99.0487 %	99.9765 %	98.8387 %	100.7086 %	99.0182 %
Concentration RSD	4.5 %	0.9 %	0.3 %	0.3 %	0.8 %	0.4 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2557076-05 WG2115674
 Analysis started at: 9/25/2025 7:52:29 PM
 Comments: <Comment>
 Rack: 1
 Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0024 ppm	0.0003 ppm	0.0179 ppm	0.0229 ppm	0.0000 ppm	33.8722 ppm
Concentration per Run 1	-0.0002 ppm	0.0008 ppm	0.0001 ppm	0.0178 ppm	0.0227 ppm	0.0000 ppm	33.7110 ppm
Concentration per Run 2	-0.0001 ppm	-0.0006 ppm	-0.0003 ppm	0.0180 ppm	0.0229 ppm	0.0000 ppm	34.1121 ppm
Concentration per Run 3	0.0000 ppm	-0.0075 ppm	0.0010 ppm	0.0180 ppm	0.0230 ppm	-0.0001 ppm	33.7935 ppm
Concentration RSD	125.1 %	182.4 %	257.2 %	0.4 %	0.8 %	91.8 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.0005 ppm	0.0251 ppm	1.2499 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0007 ppm	0.0003 ppm	0.0255 ppm	1.2707 ppm	-0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0006 ppm	0.0244 ppm	1.2474 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0007 ppm	0.0006 ppm	0.0255 ppm	1.2317 ppm	0.0003 ppm
Concentration RSD	672.5 %	287.8 %	23.5 %	33.4 %	2.6 %	1.6 %	385.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.0161 ppm	0.0031 ppm	0.0000 ppm	9.7967 ppm	0.0042 ppm	0.0007 ppm	0.0010 ppm
Concentration per Run 1	7.0463 ppm	0.0029 ppm	0.0000 ppm	9.7542 ppm	0.0041 ppm	0.0014 ppm	0.0015 ppm
Concentration per Run 2	7.0018 ppm	0.0029 ppm	0.0001 ppm	9.8062 ppm	0.0044 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 3	7.0002 ppm	0.0034 ppm	0.0000 ppm	9.8295 ppm	0.0041 ppm	0.0006 ppm	0.0012 ppm
Concentration RSD	0.4 %	8.7 %	237.9 %	0.4 %	3.5 %	88.6 %	61.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	3.5078 ppm	-0.0008 ppm	0.1124 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 1	0.0002 ppm	3.5024 ppm	-0.0006 ppm	0.1113 ppm	-0.0002 ppm	0.0007 ppm	0.0004 ppm
Concentration per Run 2	0.0008 ppm	3.5113 ppm	-0.0011 ppm	0.1128 ppm	0.0000 ppm	-0.0004 ppm	0.0004 ppm
Concentration per Run 3	0.0009 ppm	3.5096 ppm	-0.0008 ppm	0.1130 ppm	-0.0001 ppm	-0.0003 ppm	0.0006 ppm
Concentration RSD	65.4 %	0.1 %	30.7 %	0.9 %	122.1 %	4,319.2 %	16.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	98.0551 %	98.5757 %	100.0475 %	98.2469 %	100.5157 %	98.4644 %
Concentration per Run 1	0.0002 ppm	98.8253 %	98.7906 %	100.1749 %	98.6666 %	100.7592 %	98.7520 %
Concentration per Run 2	0.0002 ppm	97.1876 %	98.7109 %	100.2292 %	97.6978 %	100.6406 %	98.6596 %
Concentration per Run 3	0.0002 ppm	98.1525 %	98.2257 %	99.7385 %	98.3764 %	100.1473 %	97.9817 %
Concentration RSD	6.1 %	0.8 %	0.3 %	0.3 %	0.5 %	0.3 %	0.4 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2557076-06 WG2115674
 Analysis started at: 9/25/2025 7:57:48 PM
 Comments: <Comment>
 Rack: 1
 Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0004 ppm	0.0034 ppm	-0.0005 ppm	0.0149 ppm	0.0429 ppm	0.0000 ppm	21.5036 ppm
Concentration per Run 1	-0.0006 ppm	0.0030 ppm	-0.0004 ppm	0.0148 ppm	0.0426 ppm	-0.0001 ppm	21.3277 ppm
Concentration per Run 2	-0.0005 ppm	0.0037 ppm	-0.0005 ppm	0.0153 ppm	0.0432 ppm	0.0001 ppm	21.7129 ppm
Concentration per Run 3	-0.0003 ppm	0.0034 ppm	-0.0004 ppm	0.0146 ppm	0.0429 ppm	0.0000 ppm	21.4702 ppm
Concentration RSD	37.5 %	9.8 %	13.8 %	2.3 %	0.8 %	1,216.7 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0013 ppm	0.0007 ppm	0.0018 ppm	1.2253 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0012 ppm	0.0006 ppm	-0.0008 ppm	1.2290 ppm	-0.0005 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0011 ppm	0.0007 ppm	0.0041 ppm	1.2213 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0015 ppm	0.0007 ppm	0.0019 ppm	1.2257 ppm	-0.0006 ppm
Concentration RSD	413.9 %	76.6 %	17.3 %	7.3 %	139.1 %	0.3 %	530.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.2688 ppm	0.0002 ppm	-0.0001 ppm	13.7115 ppm	0.0010 ppm	0.0006 ppm	0.0011 ppm
Concentration per Run 1	5.2853 ppm	0.0009 ppm	-0.0002 ppm	13.5957 ppm	0.0010 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run 2	5.2464 ppm	-0.0003 ppm	0.0000 ppm	13.8113 ppm	0.0011 ppm	0.0005 ppm	0.0016 ppm
Concentration per Run 3	5.2748 ppm	0.0000 ppm	0.0000 ppm	13.7276 ppm	0.0009 ppm	0.0010 ppm	0.0019 ppm
Concentration RSD	0.4 %	303.3 %	168.9 %	0.8 %	9.3 %	47.8 %	107.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0008 ppm	5.2905 ppm	-0.0005 ppm	0.0974 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	-0.0007 ppm	5.2846 ppm	-0.0007 ppm	0.0966 ppm	-0.0001 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 2	-0.0003 ppm	5.2961 ppm	-0.0004 ppm	0.0982 ppm	-0.0001 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 3	-0.0013 ppm	5.2908 ppm	-0.0004 ppm	0.0974 ppm	-0.0001 ppm	-0.0004 ppm	-0.0002 ppm
Concentration RSD	70.2 %	0.1 %	37.9 %	0.8 %	17.2 %	468.7 %	601.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	99.1846 %	99.4797 %	100.9390 %	100.2262 %	101.2133 %	99.6710 %
Concentration per Run 1	0.0004 ppm	100.3989 %	99.6643 %	101.1182 %	100.9150 %	101.4695 %	99.7958 %
Concentration per Run 2	0.0005 ppm	98.4560 %	99.4993 %	100.9133 %	99.4156 %	101.1846 %	99.6903 %
Concentration per Run 3	0.0005 ppm	98.6988 %	99.2755 %	100.7855 %	100.3479 %	100.9857 %	99.5269 %
Concentration RSD	9.5 %	1.1 %	0.2 %	0.2 %	0.8 %	0.2 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2557076-07 WG2115674
 Analysis started at: 9/25/2025 8:03:05 PM
 Comments: <Comment>
 Rack: 1
 Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0026 ppm	-0.0010 ppm	0.0345 ppm	0.0784 ppm	0.0000 ppm	55.7965 ppm
Concentration per Run 1	-0.0002 ppm	-0.0025 ppm	0.0004 ppm	0.0342 ppm	0.0776 ppm	0.0000 ppm	55.4744 ppm
Concentration per Run 2	0.0003 ppm	0.0132 ppm	-0.0025 ppm	0.0347 ppm	0.0786 ppm	0.0000 ppm	55.9676 ppm
Concentration per Run 3	-0.0004 ppm	-0.0029 ppm	-0.0009 ppm	0.0346 ppm	0.0789 ppm	0.0000 ppm	55.9475 ppm
Concentration RSD	276.3 %	350.6 %	144.6 %	0.8 %	0.8 %	784.9 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0016 ppm	0.0029 ppm	9.6593 ppm	0.0001 ppm
Concentration per Run 1	0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.0017 ppm	0.0044 ppm	9.6292 ppm	-0.0003 ppm
Concentration per Run 2	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0016 ppm	0.0024 ppm	9.7207 ppm	0.0004 ppm
Concentration per Run 3	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0014 ppm	0.0020 ppm	9.6280 ppm	0.0000 ppm
Concentration RSD	36.2 %	30.2 %	536.0 %	9.3 %	43.3 %	0.6 %	602.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.3721 ppm	2.7945 ppm	0.0004 ppm	10.1033 ppm	0.0015 ppm	0.0011 ppm	0.0015 ppm
Concentration per Run 1	10.3970 ppm	2.7686 ppm	0.0005 ppm	10.0214 ppm	0.0014 ppm	0.0010 ppm	0.0025 ppm
Concentration per Run 2	10.3740 ppm	2.8063 ppm	0.0003 ppm	10.1706 ppm	0.0016 ppm	0.0011 ppm	-0.0006 ppm
Concentration per Run 3	10.3454 ppm	2.8086 ppm	0.0005 ppm	10.1178 ppm	0.0014 ppm	0.0011 ppm	0.0026 ppm
Concentration RSD	0.2 %	0.8 %	21.2 %	0.7 %	5.0 %	2.4 %	119.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	3.7947 ppm	-0.0007 ppm	0.2317 ppm	0.0001 ppm	-0.0005 ppm	-0.0003 ppm
Concentration per Run 1	-0.0009 ppm	3.7838 ppm	-0.0004 ppm	0.2293 ppm	0.0001 ppm	-0.0011 ppm	-0.0005 ppm
Concentration per Run 2	-0.0003 ppm	3.8057 ppm	-0.0008 ppm	0.2327 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 3	0.0006 ppm	3.7945 ppm	-0.0009 ppm	0.2332 ppm	0.0002 ppm	-0.0003 ppm	-0.0002 ppm
Concentration RSD	360.3 %	0.3 %	36.1 %	0.9 %	80.7 %	94.2 %	67.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0015 ppm	97.7191 %	97.5710 %	99.4799 %	98.2211 %	98.9737 %	97.3496 %
Concentration per Run 1	0.0015 ppm	98.8453 %	97.5904 %	98.7858 %	98.7858 %	98.9458 %	97.4186 %
Concentration per Run 2	0.0015 ppm	97.4376 %	97.5913 %	99.5000 %	98.2666 %	98.9118 %	97.3246 %
Concentration per Run 3	0.0015 ppm	96.8746 %	97.5312 %	99.4485 %	97.6110 %	99.0636 %	97.3054 %
Concentration RSD	1.8 %	1.0 %	0.0 %	0.0 %	0.6 %	0.1 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2557076-08 WG2115674
 Analysis started at: 9/25/2025 8:08:21 PM
 Comments: <Comment>
 Rack: 1
 Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0051 ppm	-0.0002 ppm	0.0498 ppm	0.0396 ppm	0.0000 ppm	54.9621 ppm
Concentration per Run 1	-0.0003 ppm	0.0011 ppm	-0.0004 ppm	0.0502 ppm	0.0390 ppm	0.0000 ppm	54.5898 ppm
Concentration per Run 2	-0.0001 ppm	-0.0040 ppm	0.0007 ppm	0.0494 ppm	0.0398 ppm	0.0000 ppm	55.0271 ppm
Concentration per Run 3	-0.0002 ppm	-0.0124 ppm	-0.0009 ppm	0.0497 ppm	0.0401 ppm	-0.0001 ppm	55.2693 ppm
Concentration RSD	47.3 %	134.5 %	394.8 %	0.8 %	1.4 %	216.7 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0007 ppm	0.0010 ppm	0.0621 ppm	1.7829 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0009 ppm	0.0640 ppm	1.7910 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0007 ppm	0.0010 ppm	0.0592 ppm	1.7704 ppm	-0.0012 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0009 ppm	0.0010 ppm	0.0630 ppm	1.7872 ppm	0.0006 ppm
Concentration RSD	469.6 %	294.0 %	23.9 %	5.7 %	4.1 %	0.6 %	502.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	11.2784 ppm	0.0493 ppm	0.0001 ppm	11.3209 ppm	0.0010 ppm	0.0004 ppm	0.0011 ppm
Concentration per Run 1	11.2495 ppm	0.0486 ppm	0.0002 ppm	11.2464 ppm	0.0009 ppm	0.0003 ppm	0.0013 ppm
Concentration per Run 2	11.3154 ppm	0.0495 ppm	0.0000 ppm	11.3546 ppm	0.0010 ppm	0.0008 ppm	0.0011 ppm
Concentration per Run 3	11.2702 ppm	0.0499 ppm	0.0001 ppm	11.3616 ppm	0.0010 ppm	0.0001 ppm	0.0010 ppm
Concentration RSD	0.3 %	1.4 %	129.7 %	0.6 %	5.6 %	87.5 %	14.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	5.1147 ppm	-0.0003 ppm	0.1824 ppm	0.0001 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 1	-0.0006 ppm	5.1037 ppm	-0.0002 ppm	0.1807 ppm	0.0001 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run 2	-0.0001 ppm	5.1067 ppm	-0.0002 ppm	0.1832 ppm	0.0001 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run 3	-0.0008 ppm	5.1337 ppm	-0.0005 ppm	0.1833 ppm	0.0001 ppm	0.0008 ppm	0.0002 ppm
Concentration RSD	77.4 %	0.3 %	70.2 %	0.8 %	9.8 %	36.3 %	123.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0007 ppm	97.1920 %	97.5676 %	98.8738 %	97.8106 %	98.6506 %	97.2346 %
Concentration per Run 1	0.0007 ppm	97.9684 %	97.9983 %	98.8870 %	98.2623 %	98.9253 %	97.6233 %
Concentration per Run 2	0.0007 ppm	97.4542 %	97.4331 %	98.7106 %	98.2142 %	98.5021 %	97.1725 %
Concentration per Run 3	0.0007 ppm	96.1532 %	97.2713 %	98.8239 %	96.9554 %	98.5244 %	96.9080 %
Concentration RSD	4.4 %	1.0 %	0.4 %	0.2 %	0.8 %	0.2 %	0.4 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2557076-09 WG2115674
 Analysis started at: 9/25/2025 8:13:37 PM
 Comments: <Comment>
 Rack: 1
 Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0012 ppm	-0.0005 ppm	0.0136 ppm	0.0357 ppm	0.0000 ppm	15.8838 ppm
Concentration per Run 1	-0.0005 ppm	0.0076 ppm	-0.0007 ppm	0.0135 ppm	0.0353 ppm	0.0000 ppm	15.8439 ppm
Concentration per Run 2	0.0001 ppm	0.0011 ppm	-0.0009 ppm	0.0134 ppm	0.0358 ppm	0.0000 ppm	15.9683 ppm
Concentration per Run 3	-0.0003 ppm	-0.0050 ppm	0.0001 ppm	0.0138 ppm	0.0359 ppm	-0.0001 ppm	15.8390 ppm
Concentration RSD	163.7 %	504.3 %	109.1 %	1.3 %	0.9 %	163.3 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0007 ppm	0.0002 ppm	0.0039 ppm	2.0626 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0006 ppm	0.0000 ppm	0.0045 ppm	2.0683 ppm	-0.0001 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0007 ppm	0.0004 ppm	0.0037 ppm	2.0596 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0008 ppm	0.0003 ppm	0.0037 ppm	2.0599 ppm	0.0001 ppm
Concentration RSD	49.7 %	73.9 %	16.5 %	79.8 %	11.8 %	0.2 %	207.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.1672 ppm	0.0019 ppm	-0.0001 ppm	13.4060 ppm	0.0005 ppm	0.0006 ppm	0.0006 ppm
Concentration per Run 1	4.1643 ppm	0.0020 ppm	0.0000 ppm	13.3092 ppm	0.0006 ppm	0.0006 ppm	0.0004 ppm
Concentration per Run 2	4.1843 ppm	0.0016 ppm	-0.0003 ppm	13.4893 ppm	0.0004 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run 3	4.1530 ppm	0.0020 ppm	-0.0001 ppm	13.4195 ppm	0.0005 ppm	0.0012 ppm	0.0001 ppm
Concentration RSD	0.4 %	11.6 %	88.0 %	0.7 %	22.3 %	99.3 %	96.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	5.6045 ppm	-0.0006 ppm	0.0723 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	-0.0004 ppm	5.5951 ppm	-0.0006 ppm	0.0716 ppm	0.0000 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 2	0.0006 ppm	5.6024 ppm	-0.0005 ppm	0.0724 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 3	0.0004 ppm	5.6161 ppm	-0.0007 ppm	0.0728 ppm	-0.0002 ppm	0.0005 ppm	0.0001 ppm
Concentration RSD	239.5 %	0.2 %	15.4 %	0.8 %	198.6 %	252.2 %	28.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	98.8437 %	99.4956 %	101.3871 %	99.8293 %	101.6395 %	99.4226 %
Concentration per Run 1	0.0006 ppm	99.2849 %	99.9166 %	101.5012 %	99.7977 %	101.8387 %	99.6374 %
Concentration per Run 2	0.0006 ppm	98.3298 %	99.2187 %	101.2644 %	99.4353 %	101.5847 %	99.2694 %
Concentration per Run 3	0.0006 ppm	98.9163 %	99.3516 %	101.3957 %	100.2551 %	101.4951 %	99.3609 %
Concentration RSD	2.7 %	0.5 %	0.4 %	0.1 %	0.4 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCV
 Analysis started at: 9/25/2025 8:18:57 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4955 ppm	0.4840 ppm	0.4742 ppm	0.4789 ppm	0.4965 ppm	0.5138 ppm	0.5106 ppm
Concentration per Run 1	0.4955 ppm	0.4864 ppm	0.4743 ppm	0.4776 ppm	0.4901 ppm	0.5065 ppm	0.5082 ppm
Concentration per Run 2	0.4952 ppm	0.4842 ppm	0.4738 ppm	0.4786 ppm	0.4992 ppm	0.5161 ppm	0.5146 ppm
Concentration per Run 3	0.4959 ppm	0.4814 ppm	0.4745 ppm	0.4804 ppm	0.5003 ppm	0.5188 ppm	0.5091 ppm
Recovery Percentage 1	99.104 %	96.796 %	94.842 %	95.772 %	99.305 %	102.755 %	102.123 %
Concentration RSD	0.1 %	0.5 %	0.1 %	0.3 %	1.1 %	1.3 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4946 ppm	0.4986 ppm	0.5159 ppm	0.5102 ppm	0.5147 ppm	5.1753 ppm	0.5061 ppm
Concentration per Run 1	0.4948 ppm	0.4980 ppm	0.5178 ppm	0.5083 ppm	0.5077 ppm	5.1471 ppm	0.4991 ppm
Concentration per Run 2	0.4940 ppm	0.4982 ppm	0.5154 ppm	0.5101 ppm	0.5187 ppm	5.1950 ppm	0.5078 ppm
Concentration per Run 3	0.4949 ppm	0.4995 ppm	0.5146 ppm	0.5121 ppm	0.5177 ppm	5.1839 ppm	0.5115 ppm
Recovery Percentage 1	98.910 %	99.722 %	103.188 %	102.034 %	102.941 %	103.506 %	101.229 %
Concentration RSD	0.1 %	0.2 %	0.3 %	0.4 %	1.2 %	0.5 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4858 ppm	0.5103 ppm	0.4880 ppm	10.1344 ppm	0.4952 ppm	0.4976 ppm	0.4994 ppm
Concentration per Run 1	0.4874 ppm	0.5019 ppm	0.4862 ppm	10.0239 ppm	0.4945 ppm	0.4974 ppm	0.4974 ppm
Concentration per Run 2	0.4857 ppm	0.5131 ppm	0.4878 ppm	10.1809 ppm	0.4949 ppm	0.4972 ppm	0.4992 ppm
Concentration per Run 3	0.4842 ppm	0.5159 ppm	0.4900 ppm	10.1985 ppm	0.4962 ppm	0.4981 ppm	0.5017 ppm
Recovery Percentage 1	97.150 %	102.064 %	97.604 %	101.344 %	99.042 %	99.520 %	99.889 %
Concentration RSD	0.3 %	1.4 %	0.4 %	0.9 %	0.2 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4860 ppm	5.1783 ppm	0.4841 ppm	0.5087 ppm	0.5071 ppm	0.5040 ppm	0.5057 ppm
Concentration per Run 1	0.4853 ppm	5.1599 ppm	0.4838 ppm	0.5015 ppm	0.5075 ppm	0.5022 ppm	0.5061 ppm
Concentration per Run 2	0.4864 ppm	5.1783 ppm	0.4833 ppm	0.5108 ppm	0.5070 ppm	0.5040 ppm	0.5051 ppm
Concentration per Run 3	0.4864 ppm	5.1967 ppm	0.4853 ppm	0.5136 ppm	0.5069 ppm	0.5059 ppm	0.5059 ppm
Recovery Percentage 1	97.203 %	98.635 %	96.826 %	101.731 %	101.422 %	100.808 %	101.142 %
Concentration RSD	0.1 %	0.4 %	0.2 %	1.2 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4894 ppm	96.5922 %	98.9443 %	100.5002 %	97.6263 %	100.9631 %	98.4410 %
Concentration per Run 1	0.4901 ppm	97.3170 %	99.0354 %	100.5802 %	97.8042 %	101.1106 %	98.6516 %
Concentration per Run 2	0.4886 ppm	96.3280 %	99.0037 %	100.4251 %	97.7146 %	101.0001 %	98.4725 %
Concentration per Run 3	0.4896 ppm	96.1316 %	98.7937 %	100.4953 %	97.3600 %	100.7788 %	98.1989 %
Recovery Percentage 1	97.890 %						
Concentration RSD	0.2 %	0.7 %	0.1 %	0.1 %	0.2 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCB
 Analysis started at: 9/25/2025 8:24:01 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0003 ppm	-0.0007 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0108 ppm
Concentration per Run 1	0.0000 ppm	-0.0064 ppm	-0.0008 ppm	0.0007 ppm	0.0004 ppm	0.0000 ppm	0.0133 ppm
Concentration per Run 2	-0.0002 ppm	-0.0027 ppm	-0.0005 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0160 ppm
Concentration per Run 3	-0.0004 ppm	0.0082 ppm	-0.0008 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0031 ppm
Recovery Percentage 1	-3.611 %	-0.321 %	-14.400 %	1.674 %	2.423 %	0.279 %	10.776 %
Concentration RSD	102.9 %	2,371.9 %	21.7 %	37.3 %	59.0 %	342.0 %	63.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0222 ppm	0.0007 ppm
Concentration per Run 1	0.0001 ppm	-0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0018 ppm	0.0334 ppm	0.0015 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0003 ppm	0.0006 ppm	0.0297 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0002 ppm	-0.0015 ppm	0.0034 ppm	0.0002 ppm
Recovery Percentage 1	1.520 %	-0.404 %	0.948 %	-1.590 %	0.562 %	0.886 %	6.679 %
Concentration RSD	27.6 %	314.0 %	176.8 %	139.8 %	591.5 %	73.9 %	112.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0005 ppm	0.0000 ppm	0.0005 ppm	0.0197 ppm	0.0003 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 1	-0.0006 ppm	0.0002 ppm	0.0007 ppm	0.0135 ppm	0.0003 ppm	0.0002 ppm	0.0007 ppm
Concentration per Run 2	0.0008 ppm	0.0002 ppm	0.0004 ppm	0.0275 ppm	0.0003 ppm	0.0001 ppm	0.0010 ppm
Concentration per Run 3	0.0013 ppm	-0.0004 ppm	0.0005 ppm	0.0182 ppm	0.0003 ppm	0.0001 ppm	-0.0007 ppm
Recovery Percentage 1	0.490 %	-0.060 %	1.030 %	0.987 %	1.197 %	1.434 %	0.696 %
Concentration RSD	204.8 %	5,158.5 %	27.9 %	36.0 %	9.6 %	20.9 %	257.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0010 ppm	-0.0021 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	-0.0009 ppm	0.0001 ppm
Concentration per Run 1	-0.0008 ppm	-0.0019 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 2	-0.0008 ppm	-0.0016 ppm	0.0008 ppm	0.0000 ppm	-0.0001 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run 3	-0.0014 ppm	-0.0027 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	-0.0008 ppm	-0.0001 ppm
Recovery Percentage 1	-10.037 %	-0.416 %	1.323 %	0.232 %	-0.007 %	-4.439 %	0.609 %
Concentration RSD	35.4 %	26.4 %	25.4 %	318.0 %	17,364.1 %	35.4 %	297.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0007 ppm	95.9719 %	99.3139 %	100.3089 %	95.7369 %	99.1229 %	97.8836 %
Concentration per Run 1	0.0007 ppm	96.6150 %	99.3736 %	100.4852 %	96.6359 %	99.5590 %	97.9454 %
Concentration per Run 2	0.0007 ppm	95.4110 %	99.4638 %	100.2663 %	94.7527 %	98.9437 %	98.0389 %
Concentration per Run 3	0.0007 ppm	95.8895 %	99.1042 %	100.1753 %	95.8222 %	98.8659 %	97.6666 %
Recovery Percentage 1	13.532 %						
Concentration RSD	2.5 %	0.6 %	0.2 %	0.2 %	1.0 %	0.4 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2557076-10 WG2115674
 Analysis started at: 9/25/2025 8:34:24 PM
 Comments: <Comment>
 Rack: 1
 Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0031 ppm	-0.0001 ppm	0.0111 ppm	0.0224 ppm	0.0001 ppm	13.9888 ppm
Concentration per Run 1	0.0000 ppm	0.0032 ppm	0.0007 ppm	0.0110 ppm	0.0221 ppm	0.0001 ppm	13.7218 ppm
Concentration per Run 2	-0.0002 ppm	-0.0045 ppm	0.0003 ppm	0.0110 ppm	0.0225 ppm	0.0000 ppm	14.1545 ppm
Concentration per Run 3	-0.0003 ppm	-0.0081 ppm	-0.0014 ppm	0.0112 ppm	0.0226 ppm	0.0001 ppm	14.0901 ppm
Concentration RSD	98.3 %	183.7 %	921.5 %	1.3 %	1.1 %	70.7 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0041 ppm	0.0010 ppm	0.0005 ppm	0.5182 ppm	1.2283 ppm	0.0039 ppm
Concentration per Run 1	0.0001 ppm	0.0041 ppm	0.0008 ppm	0.0005 ppm	0.5068 ppm	1.2146 ppm	0.0041 ppm
Concentration per Run 2	0.0001 ppm	0.0041 ppm	0.0012 ppm	0.0006 ppm	0.5249 ppm	1.2274 ppm	0.0040 ppm
Concentration per Run 3	0.0001 ppm	0.0041 ppm	0.0012 ppm	0.0004 ppm	0.5228 ppm	1.2430 ppm	0.0035 ppm
Concentration RSD	26.2 %	0.8 %	21.5 %	22.8 %	1.9 %	1.2 %	8.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.0137 ppm	0.0321 ppm	0.0001 ppm	13.5438 ppm	0.0069 ppm	0.0012 ppm	0.0019 ppm
Concentration per Run 1	6.0022 ppm	0.0315 ppm	0.0002 ppm	13.3527 ppm	0.0068 ppm	0.0008 ppm	0.0019 ppm
Concentration per Run 2	6.0503 ppm	0.0327 ppm	0.0000 ppm	13.6142 ppm	0.0069 ppm	0.0016 ppm	0.0028 ppm
Concentration per Run 3	5.9884 ppm	0.0322 ppm	0.0001 ppm	13.6645 ppm	0.0070 ppm	0.0012 ppm	0.0008 ppm
Concentration RSD	0.5 %	1.8 %	108.3 %	1.2 %	0.8 %	32.6 %	54.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0006 ppm	10.3175 ppm	-0.0004 ppm	0.0733 ppm	-0.0001 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 1	-0.0004 ppm	10.3133 ppm	-0.0007 ppm	0.0722 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 2	-0.0012 ppm	10.3102 ppm	-0.0002 ppm	0.0739 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	10.3290 ppm	-0.0004 ppm	0.0738 ppm	-0.0002 ppm	0.0004 ppm	-0.0004 ppm
Concentration RSD	105.0 %	0.1 %	51.4 %	1.3 %	82.9 %	520.0 %	284.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0124 ppm	98.2541 %	98.9621 %	101.1980 %	98.8387 %	101.7371 %	98.9813 %
Concentration per Run 1	0.0123 ppm	99.5949 %	99.1040 %	101.1836 %	99.8529 %	101.7603 %	98.9823 %
Concentration per Run 2	0.0125 ppm	97.7653 %	98.9883 %	101.1441 %	98.0769 %	101.7419 %	99.0546 %
Concentration per Run 3	0.0123 ppm	97.4019 %	98.7941 %	101.2664 %	98.5862 %	101.7091 %	98.9068 %
Concentration RSD	0.9 %	1.2 %	0.2 %	0.1 %	0.9 %	0.0 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2556125-06d2 WG2118041
 Analysis started at: 9/25/2025 8:39:41 PM
 Comments: <Comment>
 Rack: 1
 Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0016 ppm	72.7873 ppm	0.0316 ppm	0.0216 ppm	0.6955 ppm	0.0055 ppm	9.2036 ppm
Concentration per Run 1	-0.0021 ppm	71.3368 ppm	0.0313 ppm	0.0216 ppm	0.6827 ppm	0.0054 ppm	9.0561 ppm
Concentration per Run 2	-0.0012 ppm	73.1457 ppm	0.0321 ppm	0.0216 ppm	0.6982 ppm	0.0054 ppm	9.2579 ppm
Concentration per Run 3	-0.0016 ppm	73.8795 ppm	0.0314 ppm	0.0215 ppm	0.7056 ppm	0.0055 ppm	9.2968 ppm
Concentration RSD	29.2 %	1.8 %	1.4 %	0.4 %	1.7 %	0.7 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0015 ppm	0.1852 ppm	0.1065 ppm	0.1064 ppm	101.1219 ppm	5.5413 ppm	0.0897 ppm
Concentration per Run 1	0.0015 ppm	0.1851 ppm	0.1071 ppm	0.1067 ppm	99.3676 ppm	5.4479 ppm	0.0885 ppm
Concentration per Run 2	0.0016 ppm	0.1852 ppm	0.1061 ppm	0.1062 ppm	101.5679 ppm	5.5596 ppm	0.0894 ppm
Concentration per Run 3	0.0015 ppm	0.1852 ppm	0.1062 ppm	0.1063 ppm	102.4302 ppm	5.6164 ppm	0.0912 ppm
Concentration RSD	3.0 %	0.0 %	0.5 %	0.2 %	1.6 %	1.5 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.9750 ppm	0.7100 ppm	0.0502 ppm	0.6146 ppm	0.0991 ppm	0.1169 ppm	0.0025 ppm
Concentration per Run 1	12.9947 ppm	0.6976 ppm	0.0499 ppm	0.6004 ppm	0.0990 ppm	0.1176 ppm	0.0027 ppm
Concentration per Run 2	12.9105 ppm	0.7134 ppm	0.0503 ppm	0.6182 ppm	0.0989 ppm	0.1168 ppm	0.0016 ppm
Concentration per Run 3	13.0199 ppm	0.7188 ppm	0.0505 ppm	0.6253 ppm	0.0993 ppm	0.1163 ppm	0.0032 ppm
Concentration RSD	0.4 %	1.6 %	0.5 %	2.1 %	0.2 %	0.5 %	32.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0034 ppm	3.1534 ppm	0.0108 ppm	0.0566 ppm	1.4102 ppm	-0.0009 ppm	0.1826 ppm
Concentration per Run 1	-0.0035 ppm	3.1504 ppm	0.0110 ppm	0.0556 ppm	1.4097 ppm	-0.0012 ppm	0.1824 ppm
Concentration per Run 2	-0.0048 ppm	3.1477 ppm	0.0109 ppm	0.0568 ppm	1.4092 ppm	-0.0003 ppm	0.1822 ppm
Concentration per Run 3	-0.0018 ppm	3.1622 ppm	0.0107 ppm	0.0574 ppm	1.4117 ppm	-0.0012 ppm	0.1831 ppm
Concentration RSD	45.0 %	0.2 %	1.6 %	1.6 %	0.1 %	57.2 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.8206 ppm	122.4861 %	123.6425 %	126.9266 %	99.9594 %	99.9752 %	99.4388 %
Concentration per Run 1	0.8217 ppm	123.1114 %	123.6419 %	127.0524 %	100.8453 %	100.1677 %	99.4409 %
Concentration per Run 2	0.8182 ppm	121.6711 %	123.7984 %	126.8895 %	99.5580 %	99.9483 %	99.5365 %
Concentration per Run 3	0.8221 ppm	122.6759 %	123.4871 %	126.8379 %	99.4751 %	99.8097 %	99.3389 %
Concentration RSD	0.3 %	0.6 %	0.1 %	0.1 %	0.8 %	0.2 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2556719-151d2 WG2118041
 Analysis started at: 9/25/2025 8:44:48 PM
 Comments: <Comment>
 Rack: 1
 Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	105.6429 ppm	0.1312 ppm	0.0153 ppm	0.8043 ppm	0.0044 ppm	30.5899 ppm
Concentration per Run 1	-0.0009 ppm	103.1056 ppm	0.1311 ppm	0.0150 ppm	0.7862 ppm	0.0043 ppm	30.0269 ppm
Concentration per Run 2	-0.0001 ppm	106.4744 ppm	0.1329 ppm	0.0156 ppm	0.8091 ppm	0.0044 ppm	30.9717 ppm
Concentration per Run 3	0.0003 ppm	107.3487 ppm	0.1298 ppm	0.0154 ppm	0.8176 ppm	0.0044 ppm	30.7711 ppm
Concentration RSD	274.0 %	2.1 %	1.2 %	2.1 %	2.0 %	1.7 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0072 ppm	0.0487 ppm	0.1284 ppm	0.3137 ppm	143.8379 ppm	4.4414 ppm	0.1347 ppm
Concentration per Run 1	0.0072 ppm	0.0486 ppm	0.1291 ppm	0.3124 ppm	140.9836 ppm	4.3555 ppm	0.1310 ppm
Concentration per Run 2	0.0072 ppm	0.0487 ppm	0.1273 ppm	0.3151 ppm	145.4691 ppm	4.4699 ppm	0.1351 ppm
Concentration per Run 3	0.0072 ppm	0.0487 ppm	0.1287 ppm	0.3136 ppm	145.0610 ppm	4.4989 ppm	0.1379 ppm
Concentration RSD	0.3 %	0.1 %	0.7 %	0.4 %	1.7 %	1.7 %	2.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.0694 ppm	2.7512 ppm	0.0100 ppm	0.3954 ppm	0.1025 ppm	1.0141 ppm	0.0060 ppm
Concentration per Run 1	15.1135 ppm	2.6988 ppm	0.0099 ppm	0.3865 ppm	0.1023 ppm	1.0144 ppm	0.0050 ppm
Concentration per Run 2	15.0134 ppm	2.7800 ppm	0.0101 ppm	0.3977 ppm	0.1028 ppm	1.0138 ppm	0.0060 ppm
Concentration per Run 3	15.0813 ppm	2.7748 ppm	0.0100 ppm	0.4021 ppm	0.1024 ppm	1.0141 ppm	0.0069 ppm
Concentration RSD	0.3 %	1.7 %	0.7 %	2.0 %	0.3 %	0.0 %	16.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	2.4183 ppm	0.0478 ppm	0.1060 ppm	0.6492 ppm	-0.0039 ppm	0.1787 ppm
Concentration per Run 1	0.0005 ppm	2.4156 ppm	0.0480 ppm	0.1038 ppm	0.6491 ppm	-0.0047 ppm	0.1791 ppm
Concentration per Run 2	0.0003 ppm	2.4203 ppm	0.0477 ppm	0.1066 ppm	0.6477 ppm	-0.0040 ppm	0.1784 ppm
Concentration per Run 3	0.0003 ppm	2.4191 ppm	0.0477 ppm	0.1076 ppm	0.6509 ppm	-0.0031 ppm	0.1785 ppm
Concentration RSD	24.4 %	0.1 %	0.4 %	1.9 %	0.2 %	19.9 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.3965 ppm	119.4154 %	119.7304 %	122.3269 %	99.7054 %	98.0698 %	98.7757 %
Concentration per Run 1	1.3978 ppm	119.6180 %	119.7908 %	122.6035 %	100.5863 %	98.3312 %	98.7832 %
Concentration per Run 2	1.3959 ppm	118.7645 %	119.7541 %	121.9911 %	98.7923 %	97.8682 %	98.8840 %
Concentration per Run 3	1.3958 ppm	119.8637 %	119.6463 %	122.3862 %	99.7376 %	98.0101 %	98.6598 %
Concentration RSD	0.1 %	0.5 %	0.1 %	0.3 %	0.9 %	0.2 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2556719-152d2 WG2118041
 Analysis started at: 9/25/2025 8:49:56 PM
 Comments: <Comment>
 Rack: 1
 Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0018 ppm	89.2349 ppm	1.2280 ppm	0.0773 ppm	1.7888 ppm	0.0060 ppm	213.3129 ppm
Concentration per Run 1	-0.0023 ppm	87.5639 ppm	1.2249 ppm	0.0776 ppm	1.7610 ppm	0.0060 ppm	208.4933 ppm
Concentration per Run 2	-0.0017 ppm	89.9095 ppm	1.2296 ppm	0.0776 ppm	1.8018 ppm	0.0060 ppm	215.4125 ppm
Concentration per Run 3	-0.0014 ppm	90.2313 ppm	1.2295 ppm	0.0768 ppm	1.8037 ppm	0.0061 ppm	216.0328 ppm
Concentration RSD	23.6 %	1.6 %	0.2 %	0.6 %	1.3 %	0.7 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0126 ppm	0.0863 ppm	0.1381 ppm	0.5452 ppm	156.3434 ppm	9.4415 ppm	0.1676 ppm
Concentration per Run 1	0.0126 ppm	0.0860 ppm	0.1379 ppm	0.5481 ppm	152.9397 ppm	9.3252 ppm	0.1659 ppm
Concentration per Run 2	0.0125 ppm	0.0865 ppm	0.1388 ppm	0.5454 ppm	157.6565 ppm	9.4967 ppm	0.1681 ppm
Concentration per Run 3	0.0126 ppm	0.0865 ppm	0.1376 ppm	0.5422 ppm	158.4340 ppm	9.5026 ppm	0.1688 ppm
Concentration RSD	0.1 %	0.3 %	0.4 %	0.5 %	1.9 %	1.1 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	49.1160 ppm	5.3102 ppm	0.0105 ppm	2.0381 ppm	0.1679 ppm	5.2476 ppm	0.0117 ppm
Concentration per Run 1	48.8523 ppm	5.2039 ppm	0.0103 ppm	2.0092 ppm	0.1676 ppm	5.2418 ppm	0.0119 ppm
Concentration per Run 2	49.3444 ppm	5.3522 ppm	0.0107 ppm	2.0555 ppm	0.1677 ppm	5.2498 ppm	0.0118 ppm
Concentration per Run 3	49.1513 ppm	5.3746 ppm	0.0105 ppm	2.0496 ppm	0.1684 ppm	5.2513 ppm	0.0114 ppm
Concentration RSD	0.5 %	1.7 %	2.0 %	1.2 %	0.3 %	0.1 %	2.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0013 ppm	7.0746 ppm	0.0567 ppm	0.6251 ppm	0.9394 ppm	-0.0023 ppm	0.2235 ppm
Concentration per Run 1	-0.0010 ppm	7.0434 ppm	0.0565 ppm	0.6154 ppm	0.9383 ppm	-0.0015 ppm	0.2228 ppm
Concentration per Run 2	-0.0029 ppm	7.0907 ppm	0.0571 ppm	0.6299 ppm	0.9411 ppm	-0.0030 ppm	0.2245 ppm
Concentration per Run 3	0.0002 ppm	7.0897 ppm	0.0566 ppm	0.6301 ppm	0.9386 ppm	-0.0025 ppm	0.2232 ppm
Concentration RSD	123.6 %	0.4 %	0.6 %	1.4 %	0.2 %	33.0 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	3.1596 ppm	124.1461 %	122.7022 %	125.1447 %	98.6716 %	93.9783 %	96.8997 %
Concentration per Run 1	3.1644 ppm	125.2904 %	122.8073 %	125.3269 %	100.1292 %	94.2838 %	96.8976 %
Concentration per Run 2	3.1562 ppm	123.9192 %	122.4536 %	125.1208 %	98.1140 %	93.9037 %	96.7210 %
Concentration per Run 3	3.1580 ppm	123.2286 %	122.8456 %	124.9863 %	97.7716 %	93.7474 %	97.0805 %
Concentration RSD	0.1 %	0.8 %	0.2 %	0.1 %	1.3 %	0.3 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2556719-153d2 WG2118041
 Analysis started at: 9/25/2025 8:55:00 PM
 Comments: <Comment>
 Rack: 1
 Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0022 ppm	43.5647 ppm	0.2183 ppm	0.0440 ppm	0.6835 ppm	0.0024 ppm	359.0674 ppm
Concentration per Run 1	-0.0024 ppm	42.8914 ppm	0.2185 ppm	0.0437 ppm	0.6729 ppm	0.0024 ppm	355.1031 ppm
Concentration per Run 2	-0.0020 ppm	43.6788 ppm	0.2165 ppm	0.0445 ppm	0.6852 ppm	0.0025 ppm	359.8734 ppm
Concentration per Run 3	-0.0021 ppm	44.1238 ppm	0.2199 ppm	0.0438 ppm	0.6923 ppm	0.0023 ppm	362.2258 ppm
Concentration RSD	8.1 %	1.4 %	0.8 %	0.9 %	1.4 %	2.5 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0081 ppm	0.0387 ppm	0.0703 ppm	0.2838 ppm	88.2673 ppm	4.8328 ppm	0.0825 ppm
Concentration per Run 1	0.0081 ppm	0.0385 ppm	0.0707 ppm	0.2822 ppm	86.9843 ppm	4.7754 ppm	0.0804 ppm
Concentration per Run 2	0.0081 ppm	0.0388 ppm	0.0705 ppm	0.2840 ppm	88.5142 ppm	4.8567 ppm	0.0837 ppm
Concentration per Run 3	0.0081 ppm	0.0387 ppm	0.0697 ppm	0.2852 ppm	89.3035 ppm	4.8663 ppm	0.0836 ppm
Concentration RSD	0.2 %	0.4 %	0.7 %	0.5 %	1.3 %	1.0 %	2.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	72.9105 ppm	4.1533 ppm	0.0058 ppm	1.3940 ppm	0.0930 ppm	1.6023 ppm	0.0028 ppm
Concentration per Run 1	73.3127 ppm	4.0972 ppm	0.0057 ppm	1.3676 ppm	0.0929 ppm	1.5975 ppm	0.0016 ppm
Concentration per Run 2	72.7582 ppm	4.1609 ppm	0.0057 ppm	1.3987 ppm	0.0933 ppm	1.6043 ppm	0.0032 ppm
Concentration per Run 3	72.6606 ppm	4.2020 ppm	0.0059 ppm	1.4157 ppm	0.0927 ppm	1.6050 ppm	0.0038 ppm
Concentration RSD	0.5 %	1.3 %	2.2 %	1.7 %	0.3 %	0.3 %	40.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	7.9166 ppm	0.0316 ppm	0.5463 ppm	0.9185 ppm	-0.0015 ppm	0.1039 ppm
Concentration per Run 1	0.0003 ppm	7.8818 ppm	0.0314 ppm	0.5378 ppm	0.9193 ppm	-0.0018 ppm	0.1039 ppm
Concentration per Run 2	0.0018 ppm	7.9394 ppm	0.0318 ppm	0.5470 ppm	0.9178 ppm	-0.0024 ppm	0.1041 ppm
Concentration per Run 3	0.0003 ppm	7.9287 ppm	0.0316 ppm	0.5542 ppm	0.9185 ppm	-0.0003 ppm	0.1038 ppm
Concentration RSD	106.4 %	0.4 %	0.7 %	1.5 %	0.1 %	74.5 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.6276 ppm	115.2929 %	113.3206 %	115.8049 %	95.8883 %	89.7840 %	94.0850 %
Concentration per Run 1	1.6242 ppm	115.1744 %	113.3910 %	116.0747 %	96.2635 %	90.2250 %	94.2345 %
Concentration per Run 2	1.6295 ppm	115.6628 %	113.5249 %	115.7662 %	96.0894 %	89.5608 %	94.2130 %
Concentration per Run 3	1.6290 ppm	115.0416 %	113.0460 %	115.5737 %	95.3121 %	89.5663 %	93.8075 %
Concentration RSD	0.2 %	0.3 %	0.2 %	0.2 %	0.5 %	0.4 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2556719-154d2 WG2118041
 Analysis started at: 9/25/2025 9:00:07 PM
 Comments: <Comment>
 Rack: 1
 Vial: 27

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0034 ppm	44.8125 ppm	1.9634 ppm	0.0818 ppm	1.0753 ppm	0.0029 ppm	771.4944 [SIC 1000]
Concentration per Run 1	-0.0039 ppm	44.0059 ppm	1.9597 ppm	0.0816 ppm	1.0566 ppm	0.0028 ppm	757.6285 ppm
Concentration per Run 2	-0.0032 ppm	44.9808 ppm	1.9625 ppm	0.0816 ppm	1.0801 ppm	0.0029 ppm	774.9630 ppm
Concentration per Run 3	-0.0031 ppm	45.4510 ppm	1.9679 ppm	0.0821 ppm	1.0891 ppm	0.0029 ppm	781.8916 ppm
Concentration RSD	12.6 %	1.6 %	0.2 %	0.4 %	1.6 %	2.9 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0153 ppm	0.0429 ppm	0.2749 ppm	0.9517 ppm	152.2070 ppm	5.3333 ppm	0.0770 ppm
Concentration per Run 1	0.0154 ppm	0.0427 ppm	0.2740 ppm	0.9540 ppm	149.2073 ppm	5.2733 ppm	0.0750 ppm
Concentration per Run 2	0.0153 ppm	0.0429 ppm	0.2757 ppm	0.9496 ppm	152.9508 ppm	5.3439 ppm	0.0782 ppm
Concentration per Run 3	0.0153 ppm	0.0429 ppm	0.2751 ppm	0.9514 ppm	154.4628 ppm	5.3827 ppm	0.0778 ppm
Concentration RSD	0.4 %	0.3 %	0.3 %	0.2 %	1.8 %	1.0 %	2.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	310.4003 ppm	5.7250 ppm	0.0163 ppm	1.9183 ppm	0.2501 ppm	19.2487 ppm	0.0186 ppm
Concentration per Run 1	310.3558 ppm	5.6183 ppm	0.0164 ppm	1.8894 ppm	0.2505 ppm	19.2370 ppm	0.0190 ppm
Concentration per Run 2	310.2819 ppm	5.7659 ppm	0.0163 ppm	1.9288 ppm	0.2494 ppm	19.2400 ppm	0.0197 ppm
Concentration per Run 3	310.5633 ppm	5.7907 ppm	0.0163 ppm	1.9366 ppm	0.2503 ppm	19.2690 ppm	0.0171 ppm
Concentration RSD	0.0 %	1.6 %	0.2 %	1.3 %	0.2 %	0.1 %	7.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0011 ppm	8.4067 ppm	0.0840 ppm	0.8136 ppm	0.9899 ppm	-0.0048 ppm	0.1177 ppm
Concentration per Run 1	-0.0033 ppm	8.3949 ppm	0.0839 ppm	0.8010 ppm	0.9887 ppm	-0.0050 ppm	0.1177 ppm
Concentration per Run 2	0.0003 ppm	8.3977 ppm	0.0841 ppm	0.8153 ppm	0.9908 ppm	-0.0050 ppm	0.1179 ppm
Concentration per Run 3	-0.0004 ppm	8.4274 ppm	0.0842 ppm	0.8246 ppm	0.9902 ppm	-0.0043 ppm	0.1174 ppm
Concentration RSD	172.2 %	0.2 %	0.2 %	1.5 %	0.1 %	7.9 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	2.3613 ppm	105.8478 %	102.0939 %	102.6018 %	91.5678 %	81.0560 %	91.8376 %
Concentration per Run 1	2.3619 ppm	107.0367 %	102.1664 %	102.8223 %	92.5731 %	81.1888 %	91.9164 %
Concentration per Run 2	2.3600 ppm	105.5887 %	102.1918 %	102.4932 %	91.5307 %	81.0786 %	91.9023 %
Concentration per Run 3	2.3620 ppm	104.9179 %	101.9234 %	102.4899 %	90.5996 %	80.9006 %	91.6942 %
Concentration RSD	0.0 %	1.0 %	0.1 %	0.2 %	1.1 %	0.2 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2556719-155d2 WG2118041
 Analysis started at: 9/25/2025 9:05:18 PM
 Comments: <Comment>
 Rack: 1
 Vial: 28

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0038 ppm	67.3011 ppm	3.2916 ppm	0.0492 ppm	0.7457 ppm	0.0042 ppm	352.7362 ppm
Concentration per Run 1	-0.0044 ppm	66.0937 ppm	3.2918 ppm	0.0494 ppm	0.7331 ppm	0.0041 ppm	347.6728 ppm
Concentration per Run 2	-0.0037 ppm	67.6886 ppm	3.2976 ppm	0.0489 ppm	0.7520 ppm	0.0042 ppm	353.8076 ppm
Concentration per Run 3	-0.0034 ppm	68.1209 ppm	3.2853 ppm	0.0492 ppm	0.7521 ppm	0.0043 ppm	356.7282 ppm
Concentration RSD	13.3 %	1.6 %	0.2 %	0.5 %	1.5 %	3.0 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0063 ppm	0.0632 ppm	0.1423 ppm	0.7234 ppm	139.8113 ppm	7.0440 ppm	0.1300 ppm
Concentration per Run 1	0.0063 ppm	0.0632 ppm	0.1426 ppm	0.7227 ppm	137.4441 ppm	6.9602 ppm	0.1274 ppm
Concentration per Run 2	0.0063 ppm	0.0632 ppm	0.1419 ppm	0.7228 ppm	140.4217 ppm	7.0862 ppm	0.1309 ppm
Concentration per Run 3	0.0063 ppm	0.0632 ppm	0.1424 ppm	0.7246 ppm	141.5681 ppm	7.0856 ppm	0.1318 ppm
Concentration RSD	0.5 %	0.1 %	0.3 %	0.1 %	1.5 %	1.0 %	1.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	69.3944 ppm	4.8977 ppm	0.0185 ppm	0.7427 ppm	0.1356 ppm	0.7426 ppm	0.0061 ppm
Concentration per Run 1	69.4800 ppm	4.8181 ppm	0.0183 ppm	0.7254 ppm	0.1357 ppm	0.7433 ppm	0.0051 ppm
Concentration per Run 2	69.3775 ppm	4.9127 ppm	0.0187 ppm	0.7463 ppm	0.1358 ppm	0.7432 ppm	0.0064 ppm
Concentration per Run 3	69.3258 ppm	4.9622 ppm	0.0186 ppm	0.7565 ppm	0.1352 ppm	0.7413 ppm	0.0067 ppm
Concentration RSD	0.1 %	1.5 %	1.1 %	2.1 %	0.3 %	0.2 %	14.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0030 ppm	4.5963 ppm	0.0690 ppm	0.4093 ppm	0.6150 ppm	-0.0047 ppm	0.1358 ppm
Concentration per Run 1	-0.0023 ppm	4.5851 ppm	0.0692 ppm	0.4022 ppm	0.6145 ppm	-0.0037 ppm	0.1356 ppm
Concentration per Run 2	-0.0026 ppm	4.6042 ppm	0.0685 ppm	0.4118 ppm	0.6153 ppm	-0.0044 ppm	0.1357 ppm
Concentration per Run 3	-0.0040 ppm	4.5995 ppm	0.0692 ppm	0.4138 ppm	0.6152 ppm	-0.0061 ppm	0.1363 ppm
Concentration RSD	30.3 %	0.2 %	0.6 %	1.5 %	0.1 %	25.8 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.3532 ppm	119.0897 %	118.1905 %	120.1388 %	94.6639 %	89.7875 %	94.2699 %
Concentration per Run 1	1.3576 ppm	119.7829 %	118.1321 %	120.3170 %	95.4410 %	89.8329 %	94.2758 %
Concentration per Run 2	1.3516 ppm	119.2142 %	118.4255 %	119.9975 %	94.7767 %	89.6533 %	94.5526 %
Concentration per Run 3	1.3503 ppm	118.2721 %	118.0139 %	120.1019 %	93.7741 %	89.8763 %	93.9812 %
Concentration RSD	0.3 %	0.6 %	0.2 %	0.1 %	0.9 %	0.1 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCV
 Analysis started at: 9/25/2025 9:10:23 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4953 ppm	0.4974 ppm	0.4715 ppm	0.4757 ppm	0.5184 ppm	0.4961 ppm	0.5085 ppm
Concentration per Run 1	0.4957 ppm	0.4833 ppm	0.4708 ppm	0.4744 ppm	0.5111 ppm	0.4872 ppm	0.4930 ppm
Concentration per Run 2	0.4953 ppm	0.5029 ppm	0.4730 ppm	0.4763 ppm	0.5211 ppm	0.4995 ppm	0.5156 ppm
Concentration per Run 3	0.4949 ppm	0.5061 ppm	0.4707 ppm	0.4765 ppm	0.5231 ppm	0.5017 ppm	0.5168 ppm
Recovery Percentage 1	99.060 %	99.490 %	94.301 %	95.147 %	103.690 %	99.226 %	101.697 %
Concentration RSD	0.1 %	2.5 %	0.3 %	0.2 %	1.2 %	1.6 %	2.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4936 ppm	0.4975 ppm	0.5159 ppm	0.5096 ppm	0.4813 ppm	5.4690 ppm	0.5286 ppm
Concentration per Run 1	0.4941 ppm	0.4971 ppm	0.5197 ppm	0.5089 ppm	0.4780 ppm	5.3969 ppm	0.5215 ppm
Concentration per Run 2	0.4945 ppm	0.4985 ppm	0.5161 ppm	0.5087 ppm	0.4856 ppm	5.4918 ppm	0.5298 ppm
Concentration per Run 3	0.4922 ppm	0.4969 ppm	0.5119 ppm	0.5113 ppm	0.4802 ppm	5.5183 ppm	0.5344 ppm
Recovery Percentage 1	98.720 %	99.500 %	103.180 %	101.920 %	96.253 %	109.380 %	105.711 %
Concentration RSD	0.2 %	0.2 %	0.8 %	0.3 %	0.8 %	1.2 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4892 ppm	0.4716 ppm	0.4877 ppm	10.7245 ppm	0.4926 ppm	0.4957 ppm	0.4972 ppm
Concentration per Run 1	0.4930 ppm	0.4615 ppm	0.4860 ppm	10.6030 ppm	0.4917 ppm	0.4960 ppm	0.4964 ppm
Concentration per Run 2	0.4925 ppm	0.4749 ppm	0.4895 ppm	10.7600 ppm	0.4934 ppm	0.4963 ppm	0.4981 ppm
Concentration per Run 3	0.4820 ppm	0.4785 ppm	0.4877 ppm	10.8106 ppm	0.4926 ppm	0.4949 ppm	0.4972 ppm
Recovery Percentage 1	97.835 %	94.322 %	97.544 %	107.245 %	98.515 %	99.147 %	99.448 %
Concentration RSD	1.3 %	1.9 %	0.4 %	1.0 %	0.2 %	0.1 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4850 ppm	5.1748 ppm	0.4809 ppm	0.5245 ppm	0.5070 ppm	0.5022 ppm	0.5037 ppm
Concentration per Run 1	0.4836 ppm	5.1630 ppm	0.4806 ppm	0.5179 ppm	0.5075 ppm	0.5029 ppm	0.5045 ppm
Concentration per Run 2	0.4877 ppm	5.1867 ppm	0.4813 ppm	0.5260 ppm	0.5072 ppm	0.5024 ppm	0.5038 ppm
Concentration per Run 3	0.4838 ppm	5.1746 ppm	0.4809 ppm	0.5295 ppm	0.5064 ppm	0.5013 ppm	0.5027 ppm
Recovery Percentage 1	97.001 %	98.567 %	96.185 %	104.897 %	101.406 %	100.441 %	100.732 %
Concentration RSD	0.5 %	0.2 %	0.1 %	1.1 %	0.1 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4876 ppm	95.8580 %	99.4046 %	100.9444 %	96.0020 %	101.3155 %	98.7194 %
Concentration per Run 1	0.4881 ppm	96.7908 %	99.0243 %	101.0821 %	97.0510 %	101.4740 %	98.4016 %
Concentration per Run 2	0.4887 ppm	95.5830 %	99.3737 %	100.7157 %	95.7496 %	100.9516 %	98.8271 %
Concentration per Run 3	0.4861 ppm	95.2003 %	99.8157 %	101.0353 %	95.2053 %	101.5210 %	98.9294 %
Recovery Percentage 1	97.524 %						
Concentration RSD	0.3 %	0.9 %	0.4 %	0.2 %	1.0 %	0.3 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCB
 Analysis started at: 9/25/2025 9:15:28 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0022 ppm	-0.0007 ppm	0.0009 ppm	0.0004 ppm	0.0000 ppm	0.0074 ppm
Concentration per Run 1	-0.0002 ppm	0.0081 ppm	0.0003 ppm	0.0008 ppm	0.0004 ppm	-0.0001 ppm	0.0053 ppm
Concentration per Run 2	-0.0001 ppm	0.0035 ppm	-0.0010 ppm	0.0009 ppm	0.0002 ppm	0.0001 ppm	-0.0006 ppm
Concentration per Run 3	0.0001 ppm	-0.0052 ppm	-0.0013 ppm	0.0009 ppm	0.0005 ppm	-0.0001 ppm	0.0176 ppm
Recovery Percentage 1	-1.551 %	2.166 %	-13.925 %	2.898 %	3.748 %	-0.561 %	7.410 %
Concentration RSD	244.6 %	311.9 %	119.8 %	7.5 %	34.8 %	243.5 %	125.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.0009 ppm	0.0058 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0008 ppm	0.0276 ppm	0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0020 ppm	-0.0054 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0004 ppm	-0.0001 ppm	0.0000 ppm	-0.0048 ppm	0.0002 ppm
Recovery Percentage 1	0.412 %	0.873 %	2.775 %	-1.384 %	1.882 %	0.232 %	3.450 %
Concentration RSD	26.7 %	9.2 %	34.1 %	139.1 %	107.9 %	325.6 %	81.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0026 ppm	0.0003 ppm	0.0003 ppm	0.0006 ppm	0.0002 ppm	-0.0002 ppm	0.0008 ppm
Concentration per Run 1	0.0020 ppm	-0.0003 ppm	0.0003 ppm	0.0070 ppm	0.0004 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run 2	0.0015 ppm	0.0009 ppm	0.0003 ppm	-0.0036 ppm	-0.0001 ppm	0.0001 ppm	0.0008 ppm
Concentration per Run 3	0.0042 ppm	0.0003 ppm	0.0003 ppm	-0.0016 ppm	0.0004 ppm	0.0000 ppm	0.0013 ppm
Recovery Percentage 1	2.554 %	2.999 %	0.639 %	0.031 %	0.986 %	-1.519 %	1.641 %
Concentration RSD	57.1 %	203.5 %	2.0 %	913.0 %	111.6 %	204.1 %	62.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0017 ppm	-0.0006 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 1	-0.0008 ppm	-0.0005 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 2	-0.0018 ppm	-0.0010 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 3	-0.0025 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0009 ppm	0.0002 ppm
Recovery Percentage 1	-17.199 %	-0.124 %	0.641 %	0.370 %	1.799 %	-3.686 %	1.445 %
Concentration RSD	50.0 %	50.9 %	89.3 %	202.5 %	84.2 %	17.6 %	22.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0007 ppm	95.8964 %	99.6521 %	100.6349 %	94.7678 %	99.0820 %	97.6269 %
Concentration per Run 1	0.0007 ppm	96.6200 %	99.6040 %	100.8883 %	95.4416 %	99.2291 %	97.6258 %
Concentration per Run 2	0.0006 ppm	95.5654 %	99.9055 %	100.5133 %	94.2082 %	98.8655 %	97.8630 %
Concentration per Run 3	0.0008 ppm	95.5037 %	99.4469 %	100.5031 %	94.6536 %	99.1513 %	97.3919 %
Recovery Percentage 1	14.131 %						
Concentration RSD	13.3 %	0.7 %	0.2 %	0.2 %	0.7 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2556719-154d4 WG2118041
 Analysis started at: 9/25/2025 9:33:11 PM
 Comments: Ca over LDR rr
 Rack: 1
 Vial: 48

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0018 ppm	22.7500 ppm	0.9747 ppm	0.0418 ppm	0.5548 ppm	0.0014 ppm	396.8734 ppm
Concentration per Run 1	-0.0019 ppm	21.9619 ppm	0.9762 ppm	0.0419 ppm	0.5355 ppm	0.0014 ppm	386.2391 ppm
Concentration per Run 2	-0.0018 ppm	23.1091 ppm	0.9713 ppm	0.0414 ppm	0.5638 ppm	0.0015 ppm	399.7121 ppm
Concentration per Run 3	-0.0018 ppm	23.1792 ppm	0.9765 ppm	0.0420 ppm	0.5651 ppm	0.0014 ppm	404.6690 ppm
Concentration RSD	3.5 %	3.0 %	0.3 %	0.8 %	3.0 %	1.5 %	2.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0079 ppm	0.0221 ppm	0.1468 ppm	0.4903 ppm	78.2233 ppm	2.7128 ppm	0.0399 ppm
Concentration per Run 1	0.0080 ppm	0.0219 ppm	0.1466 ppm	0.4893 ppm	75.8248 ppm	2.6242 ppm	0.0379 ppm
Concentration per Run 2	0.0079 ppm	0.0221 ppm	0.1473 ppm	0.4893 ppm	78.9508 ppm	2.7693 ppm	0.0415 ppm
Concentration per Run 3	0.0079 ppm	0.0222 ppm	0.1465 ppm	0.4923 ppm	79.8943 ppm	2.7449 ppm	0.0405 ppm
Concentration RSD	0.7 %	0.8 %	0.3 %	0.4 %	2.7 %	2.9 %	4.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	178.5742 ppm	2.9175 ppm	0.0083 ppm	0.9757 ppm	0.1290 ppm	10.0528 ppm	0.0097 ppm
Concentration per Run 1	178.7833 ppm	2.8297 ppm	0.0082 ppm	0.9411 ppm	0.1290 ppm	10.0506 ppm	0.0090 ppm
Concentration per Run 2	179.1967 ppm	2.9477 ppm	0.0083 ppm	0.9990 ppm	0.1291 ppm	10.0315 ppm	0.0104 ppm
Concentration per Run 3	177.7426 ppm	2.9751 ppm	0.0083 ppm	0.9871 ppm	0.1290 ppm	10.0763 ppm	0.0098 ppm
Concentration RSD	0.4 %	2.6 %	0.9 %	3.1 %	0.1 %	0.2 %	7.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	4.2501 ppm	0.0440 ppm	0.4147 ppm	0.5255 ppm	-0.0022 ppm	0.0627 ppm
Concentration per Run 1	0.0002 ppm	4.2406 ppm	0.0439 ppm	0.3997 ppm	0.5241 ppm	-0.0029 ppm	0.0626 ppm
Concentration per Run 2	0.0014 ppm	4.2449 ppm	0.0443 ppm	0.4207 ppm	0.5267 ppm	-0.0015 ppm	0.0630 ppm
Concentration per Run 3	-0.0015 ppm	4.2649 ppm	0.0437 ppm	0.4236 ppm	0.5257 ppm	-0.0020 ppm	0.0626 ppm
Concentration RSD	4,454.6 %	0.3 %	0.8 %	3.1 %	0.3 %	33.5 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.2340 ppm	99.6616 %	97.7018 %	98.7118 %	92.3052 %	85.9229 %	92.3790 %
Concentration per Run 1	1.2338 ppm	100.5538 %	97.8410 %	98.9264 %	93.6135 %	86.0969 %	92.6111 %
Concentration per Run 2	1.2316 ppm	99.3197 %	97.5498 %	98.6205 %	92.0954 %	86.0519 %	92.2644 %
Concentration per Run 3	1.2367 ppm	99.1114 %	97.7146 %	98.5885 %	91.2066 %	85.6199 %	92.2616 %
Concentration RSD	0.2 %	0.8 %	0.1 %	0.2 %	1.3 %	0.3 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2555836-03 WG2113867
 Analysis started at: 9/25/2025 9:38:27 PM
 Comments: <Comment>
 Rack: 1
 Vial: 39

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0140 ppm	0.0001 ppm	0.1622 ppm	0.0826 ppm	0.0002 ppm	10.1543 ppm
Concentration per Run 1	-0.0001 ppm	0.0167 ppm	-0.0006 ppm	0.1618 ppm	0.0821 ppm	0.0002 ppm	10.1110 ppm
Concentration per Run 2	-0.0002 ppm	0.0072 ppm	0.0013 ppm	0.1628 ppm	0.0828 ppm	0.0003 ppm	10.1784 ppm
Concentration per Run 3	-0.0003 ppm	0.0180 ppm	-0.0003 ppm	0.1621 ppm	0.0829 ppm	0.0003 ppm	10.1734 ppm
Concentration RSD	66.5 %	42.2 %	918.6 %	0.3 %	0.5 %	2.5 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0040 ppm	0.0002 ppm	0.0110 ppm	0.0243 ppm	10.3443 ppm	0.0010 ppm
Concentration per Run 1	0.0001 ppm	0.0040 ppm	0.0004 ppm	0.0111 ppm	0.0256 ppm	10.3451 ppm	0.0011 ppm
Concentration per Run 2	0.0001 ppm	0.0039 ppm	0.0000 ppm	0.0110 ppm	0.0213 ppm	10.4074 ppm	0.0014 ppm
Concentration per Run 3	0.0001 ppm	0.0040 ppm	0.0003 ppm	0.0109 ppm	0.0260 ppm	10.2804 ppm	0.0005 ppm
Concentration RSD	19.3 %	2.0 %	85.1 %	1.0 %	10.9 %	0.6 %	44.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.1972 ppm	0.1155 ppm	0.0000 ppm	81.1532 ppm	0.0116 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 1	6.1853 ppm	0.1144 ppm	0.0000 ppm	80.8204 ppm	0.0117 ppm	-0.0001 ppm	0.0015 ppm
Concentration per Run 2	6.2070 ppm	0.1159 ppm	-0.0001 ppm	81.6227 ppm	0.0114 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run 3	6.1994 ppm	0.1162 ppm	0.0000 ppm	81.0163 ppm	0.0117 ppm	0.0009 ppm	-0.0013 ppm
Concentration RSD	0.2 %	0.9 %	200.8 %	0.5 %	1.9 %	103.0 %	1,395.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0006 ppm	3.1233 ppm	-0.0008 ppm	0.0617 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run 1	-0.0020 ppm	3.1177 ppm	-0.0008 ppm	0.0613 ppm	-0.0002 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 2	-0.0003 ppm	3.1277 ppm	-0.0008 ppm	0.0617 ppm	0.0004 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run 3	0.0005 ppm	3.1246 ppm	-0.0008 ppm	0.0620 ppm	-0.0003 ppm	-0.0002 ppm	-0.0002 ppm
Concentration RSD	219.5 %	0.2 %	6.2 %	0.6 %	2,243.3 %	191.4 %	105.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0244 ppm	95.9228 %	97.3219 %	98.9394 %	96.6381 %	98.5986 %	97.2759 %
Concentration per Run 1	0.0243 ppm	96.9832 %	97.6209 %	98.8851 %	97.1773 %	98.7134 %	97.6607 %
Concentration per Run 2	0.0244 ppm	95.4659 %	97.3108 %	99.0708 %	96.7364 %	98.5692 %	97.1492 %
Concentration per Run 3	0.0244 ppm	95.3193 %	97.0339 %	98.8623 %	96.0005 %	98.5131 %	97.0179 %
Concentration RSD	0.2 %	1.0 %	0.3 %	0.1 %	0.6 %	0.1 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: WG2113867-7 WG2113867
 Analysis started at: 9/25/2025 9:43:41 PM
 Comments: <Comment>
 Rack: 1
 Vial: 40

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0500 ppm	2.1175 ppm	0.1207 ppm	1.1335 ppm	2.1704 ppm	0.0503 ppm	19.9584 ppm
Concentration per Run 1	0.0499 ppm	2.0800 ppm	0.1201 ppm	1.1323 ppm	2.1512 ppm	0.0499 ppm	19.8057 ppm
Concentration per Run 2	0.0504 ppm	2.1320 ppm	0.1207 ppm	1.1333 ppm	2.1813 ppm	0.0506 ppm	19.9880 ppm
Concentration per Run 3	0.0496 ppm	2.1403 ppm	0.1213 ppm	1.1351 ppm	2.1788 ppm	0.0505 ppm	20.0816 ppm
Concentration RSD	0.8 %	1.5 %	0.5 %	0.1 %	0.8 %	0.8 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0527 ppm	0.4918 ppm	0.2034 ppm	0.2680 ppm	0.9940 ppm	21.5804 ppm	0.0011 ppm
Concentration per Run 1	0.0528 ppm	0.4921 ppm	0.2028 ppm	0.2679 ppm	0.9899 ppm	21.5549 ppm	0.0010 ppm
Concentration per Run 2	0.0527 ppm	0.4913 ppm	0.2050 ppm	0.2675 ppm	0.9966 ppm	21.6374 ppm	0.0013 ppm
Concentration per Run 3	0.0525 ppm	0.4921 ppm	0.2023 ppm	0.2687 ppm	0.9955 ppm	21.5488 ppm	0.0010 ppm
Concentration RSD	0.2 %	0.1 %	0.7 %	0.2 %	0.4 %	0.2 %	15.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.8401 ppm	0.5849 ppm	0.9655 ppm	92.4094 ppm	0.5016 ppm	0.5201 ppm	0.4968 ppm
Concentration per Run 1	15.7718 ppm	0.5791 ppm	0.9634 ppm	91.8156 ppm	0.5015 ppm	0.5215 ppm	0.4920 ppm
Concentration per Run 2	15.9524 ppm	0.5885 ppm	0.9655 ppm	92.8576 ppm	0.5018 ppm	0.5200 ppm	0.4977 ppm
Concentration per Run 3	15.7962 ppm	0.5871 ppm	0.9677 ppm	92.5551 ppm	0.5017 ppm	0.5190 ppm	0.5007 ppm
Concentration RSD	0.6 %	0.9 %	0.2 %	0.6 %	0.0 %	0.2 %	0.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1219 ppm	4.1805 ppm	0.9158 ppm	1.0721 ppm	0.9964 ppm	0.1171 ppm	0.5103 ppm
Concentration per Run 1	0.1223 ppm	4.1759 ppm	0.9115 ppm	1.0634 ppm	0.9967 ppm	0.1166 ppm	0.5105 ppm
Concentration per Run 2	0.1206 ppm	4.1766 ppm	0.9173 ppm	1.0766 ppm	0.9992 ppm	0.1165 ppm	0.5110 ppm
Concentration per Run 3	0.1229 ppm	4.1889 ppm	0.9188 ppm	1.0761 ppm	0.9933 ppm	0.1181 ppm	0.5093 ppm
Concentration RSD	1.0 %	0.2 %	0.4 %	0.7 %	0.3 %	0.7 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5177 ppm	94.6649 %	96.0919 %	98.2038 %	94.8523 %	97.8798 %	95.9029 %
Concentration per Run 1	0.5187 ppm	95.6369 %	96.3698 %	98.3113 %	95.7952 %	97.9854 %	96.0636 %
Concentration per Run 2	0.5180 ppm	94.5524 %	95.8138 %	98.2123 %	94.8027 %	97.9162 %	95.6841 %
Concentration per Run 3	0.5163 ppm	93.8055 %	96.0922 %	98.0877 %	93.9591 %	97.7377 %	95.9610 %
Concentration RSD	0.2 %	1.0 %	0.3 %	0.1 %	1.0 %	0.1 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: WG2113867-8 WG2113867
 Analysis started at: 9/25/2025 9:48:46 PM
 Comments: <Comment>
 Rack: 1
 Vial: 41

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0496 ppm	2.1425 ppm	0.1218 ppm	1.1387 ppm	2.1805 ppm	0.0501 ppm	19.8764 ppm
Concentration per Run 1	0.0493 ppm	2.1194 ppm	0.1222 ppm	1.1382 ppm	2.1523 ppm	0.0494 ppm	19.5017 ppm
Concentration per Run 2	0.0498 ppm	2.1465 ppm	0.1228 ppm	1.1398 ppm	2.1902 ppm	0.0505 ppm	20.1876 ppm
Concentration per Run 3	0.0498 ppm	2.1614 ppm	0.1206 ppm	1.1380 ppm	2.1991 ppm	0.0504 ppm	19.9399 ppm
Concentration RSD	0.5 %	1.0 %	0.9 %	0.1 %	1.1 %	1.2 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0530 ppm	0.4945 ppm	0.2023 ppm	0.2700 ppm	0.9806 ppm	21.7012 ppm	0.0010 ppm
Concentration per Run 1	0.0531 ppm	0.4947 ppm	0.2026 ppm	0.2688 ppm	0.9642 ppm	21.6629 ppm	0.0009 ppm
Concentration per Run 2	0.0531 ppm	0.4946 ppm	0.2026 ppm	0.2708 ppm	0.9857 ppm	21.6917 ppm	0.0014 ppm
Concentration per Run 3	0.0529 ppm	0.4941 ppm	0.2018 ppm	0.2703 ppm	0.9918 ppm	21.7492 ppm	0.0007 ppm
Concentration RSD	0.2 %	0.1 %	0.2 %	0.4 %	1.5 %	0.2 %	31.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.7788 ppm	0.5812 ppm	0.9776 ppm	92.5510 ppm	0.5033 ppm	0.5223 ppm	0.4945 ppm
Concentration per Run 1	15.8539 ppm	0.5690 ppm	0.9750 ppm	91.8037 ppm	0.5033 ppm	0.5231 ppm	0.4888 ppm
Concentration per Run 2	15.7683 ppm	0.5877 ppm	0.9789 ppm	92.6589 ppm	0.5034 ppm	0.5225 ppm	0.4954 ppm
Concentration per Run 3	15.7142 ppm	0.5871 ppm	0.9790 ppm	93.1903 ppm	0.5030 ppm	0.5213 ppm	0.4993 ppm
Concentration RSD	0.4 %	1.8 %	0.2 %	0.8 %	0.0 %	0.2 %	1.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1236 ppm	4.1891 ppm	0.9281 ppm	1.0643 ppm	1.0025 ppm	0.1188 ppm	0.5084 ppm
Concentration per Run 1	0.1232 ppm	4.1827 ppm	0.9254 ppm	1.0834 ppm	1.0047 ppm	0.1188 ppm	0.5100 ppm
Concentration per Run 2	0.1229 ppm	4.1924 ppm	0.9297 ppm	1.0834 ppm	1.0017 ppm	0.1195 ppm	0.5083 ppm
Concentration per Run 3	0.1247 ppm	4.1921 ppm	0.9293 ppm	1.0860 ppm	1.0010 ppm	0.1199 ppm	0.5070 ppm
Concentration RSD	0.8 %	0.1 %	0.3 %	1.1 %	0.2 %	0.4 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5197 ppm	94.8058 %	96.6583 %	98.2779 %	95.1635 %	97.7276 %	96.4314 %
Concentration per Run 1	0.5209 ppm	96.6034 %	96.8484 %	98.3666 %	96.8153 %	97.8696 %	96.6440 %
Concentration per Run 2	0.5198 ppm	93.5224 %	96.5910 %	98.1897 %	94.0089 %	97.5348 %	96.3488 %
Concentration per Run 3	0.5184 ppm	94.2918 %	96.5356 %	98.2773 %	94.6664 %	97.7783 %	96.3014 %
Concentration RSD	0.2 %	1.7 %	0.2 %	0.1 %	1.5 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: WG2113867-9 WG2113867
 Analysis started at: 9/25/2025 9:53:50 PM
 Comments: <Comment>
 Rack: 1
 Vial: 42

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0489 ppm	2.0134 ppm	0.1146 ppm	1.1200 ppm	2.0767 ppm	0.0475 ppm	19.5219 ppm
Concentration per Run 1	0.0489 ppm	1.9928 ppm	0.1150 ppm	1.1174 ppm	2.0500 ppm	0.0471 ppm	19.3728 ppm
Concentration per Run 2	0.0488 ppm	2.0289 ppm	0.1152 ppm	1.1212 ppm	2.0886 ppm	0.0477 ppm	19.6999 ppm
Concentration per Run 3	0.0490 ppm	2.0185 ppm	0.1136 ppm	1.1216 ppm	2.0915 ppm	0.0476 ppm	19.4932 ppm
Concentration RSD	0.3 %	0.9 %	0.8 %	0.2 %	1.1 %	0.7 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0509 ppm	0.4688 ppm	0.1928 ppm	0.2561 ppm	0.9217 ppm	21.4008 ppm	0.0008 ppm
Concentration per Run 1	0.0509 ppm	0.4686 ppm	0.1939 ppm	0.2560 ppm	0.9146 ppm	21.2667 ppm	0.0012 ppm
Concentration per Run 2	0.0510 ppm	0.4691 ppm	0.1921 ppm	0.2558 ppm	0.9218 ppm	21.5108 ppm	0.0002 ppm
Concentration per Run 3	0.0507 ppm	0.4688 ppm	0.1925 ppm	0.2565 ppm	0.9287 ppm	21.4250 ppm	0.0011 ppm
Concentration RSD	0.2 %	0.1 %	0.5 %	0.1 %	0.8 %	0.6 %	69.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.6064 ppm	0.5517 ppm	0.9604 ppm	90.1343 ppm	0.4786 ppm	0.4994 ppm	0.4081 ppm
Concentration per Run 1	15.6752 ppm	0.5449 ppm	0.9563 ppm	89.3426 ppm	0.4780 ppm	0.4995 ppm	0.3843 ppm
Concentration per Run 2	15.5387 ppm	0.5589 ppm	0.9615 ppm	90.5049 ppm	0.4796 ppm	0.4990 ppm	0.4098 ppm
Concentration per Run 3	15.6053 ppm	0.5514 ppm	0.9635 ppm	90.5554 ppm	0.4782 ppm	0.4998 ppm	0.4303 ppm
Concentration RSD	0.4 %	1.3 %	0.4 %	0.8 %	0.2 %	0.1 %	5.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1144 ppm	3.7896 ppm	0.9313 ppm	1.0731 ppm	0.9845 ppm	0.1122 ppm	0.4848 ppm
Concentration per Run 1	0.1127 ppm	3.7848 ppm	0.9273 ppm	1.0606 ppm	0.9855 ppm	0.1121 ppm	0.4854 ppm
Concentration per Run 2	0.1140 ppm	3.7902 ppm	0.9331 ppm	1.0780 ppm	0.9837 ppm	0.1122 ppm	0.4844 ppm
Concentration per Run 3	0.1166 ppm	3.7938 ppm	0.9336 ppm	1.0807 ppm	0.9843 ppm	0.1122 ppm	0.4845 ppm
Concentration RSD	1.8 %	0.1 %	0.4 %	1.0 %	0.1 %	0.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4947 ppm	94.6706 %	96.7347 %	98.2644 %	94.9421 %	98.2733 %	96.3892 %
Concentration per Run 1	0.4954 ppm	95.2520 %	96.8076 %	98.5027 %	95.3667 %	98.5373 %	96.4769 %
Concentration per Run 2	0.4958 ppm	94.1992 %	96.7404 %	98.1074 %	94.6873 %	98.2106 %	96.3710 %
Concentration per Run 3	0.4929 ppm	94.5607 %	96.6560 %	98.1831 %	94.7724 %	98.0720 %	96.3198 %
Concentration RSD	0.3 %	0.6 %	0.1 %	0.2 %	0.4 %	0.2 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: WG2113867-10d5 WG2113867
 Analysis started at: 9/25/2025 9:58:55 PM
 Comments: <Comment>
 Rack: 1
 Vial: 43

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0032 ppm	0.0004 ppm	0.0334 ppm	0.0169 ppm	0.0000 ppm	2.0500 ppm
Concentration per Run 1	-0.0002 ppm	-0.0077 ppm	0.0003 ppm	0.0335 ppm	0.0167 ppm	0.0001 ppm	2.0345 ppm
Concentration per Run 2	-0.0004 ppm	0.0131 ppm	0.0006 ppm	0.0335 ppm	0.0170 ppm	0.0000 ppm	2.0534 ppm
Concentration per Run 3	-0.0001 ppm	0.0040 ppm	0.0003 ppm	0.0334 ppm	0.0171 ppm	0.0000 ppm	2.0622 ppm
Concentration RSD	60.2 %	329.1 %	43.3 %	0.2 %	1.1 %	31.9 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0009 ppm	0.0003 ppm	0.0021 ppm	0.0048 ppm	2.1097 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0007 ppm	0.0003 ppm	0.0021 ppm	0.0049 ppm	2.0779 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0010 ppm	0.0003 ppm	0.0020 ppm	0.0055 ppm	2.1310 ppm	0.0006 ppm
Concentration per Run 3	0.0000 ppm	0.0009 ppm	0.0002 ppm	0.0021 ppm	0.0041 ppm	2.1200 ppm	0.0006 ppm
Concentration RSD	16.7 %	18.5 %	33.4 %	2.8 %	14.5 %	1.3 %	23.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.2432 ppm	0.0233 ppm	0.0020 ppm	16.5549 ppm	0.0027 ppm	0.0006 ppm	0.0056 ppm
Concentration per Run 1	1.2464 ppm	0.0229 ppm	0.0024 ppm	16.3889 ppm	0.0027 ppm	0.0009 ppm	0.0064 ppm
Concentration per Run 2	1.2391 ppm	0.0238 ppm	0.0021 ppm	16.6472 ppm	0.0026 ppm	0.0007 ppm	0.0056 ppm
Concentration per Run 3	1.2441 ppm	0.0232 ppm	0.0015 ppm	16.6286 ppm	0.0027 ppm	0.0001 ppm	0.0047 ppm
Concentration RSD	0.3 %	2.0 %	21.9 %	0.9 %	2.2 %	75.7 %	15.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	0.6109 ppm	0.0165 ppm	0.0126 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 1	0.0007 ppm	0.6108 ppm	0.0208 ppm	0.0124 ppm	0.0004 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	0.6113 ppm	0.0162 ppm	0.0127 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 3	0.0002 ppm	0.6107 ppm	0.0127 ppm	0.0128 ppm	0.0005 ppm	-0.0010 ppm	0.0002 ppm
Concentration RSD	106.2 %	0.1 %	24.6 %	1.6 %	48.4 %	1,316.7 %	130.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0051 ppm	95.2617 %	98.8384 %	100.7597 %	94.8077 %	101.2725 %	98.2600 %
Concentration per Run 1	0.0051 ppm	96.0419 %	98.8806 %	100.5643 %	95.6600 %	101.1783 %	98.4295 %
Concentration per Run 2	0.0051 ppm	95.4564 %	98.9824 %	100.7937 %	94.8818 %	101.4201 %	98.3996 %
Concentration per Run 3	0.0051 ppm	94.2869 %	98.6522 %	100.9212 %	93.8814 %	101.2191 %	97.9510 %
Concentration RSD	0.4 %	0.9 %	0.2 %	0.2 %	0.9 %	0.1 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2555836-02 WG2113867
 Analysis started at: 9/25/2025 10:04:13 PM
 Comments: <Comment>
 Rack: 1
 Vial: 44

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0231 ppm	0.0005 ppm	0.1626 ppm	0.0851 ppm	0.0003 ppm	10.3622 ppm
Concentration per Run 1	0.0004 ppm	0.0202 ppm	0.0000 ppm	0.1624 ppm	0.0847 ppm	0.0003 ppm	10.2702 ppm
Concentration per Run 2	-0.0003 ppm	0.0236 ppm	0.0010 ppm	0.1629 ppm	0.0855 ppm	0.0002 ppm	10.4400 ppm
Concentration per Run 3	-0.0003 ppm	0.0256 ppm	0.0006 ppm	0.1624 ppm	0.0852 ppm	0.0003 ppm	10.3765 ppm
Concentration RSD	505.6 %	11.7 %	100.8 %	0.2 %	0.5 %	4.5 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0047 ppm	0.0005 ppm	0.0264 ppm	0.0601 ppm	10.6255 ppm	0.0006 ppm
Concentration per Run 1	0.0001 ppm	0.0047 ppm	0.0008 ppm	0.0263 ppm	0.0588 ppm	10.6502 ppm	0.0009 ppm
Concentration per Run 2	0.0001 ppm	0.0048 ppm	0.0003 ppm	0.0264 ppm	0.0622 ppm	10.6352 ppm	0.0004 ppm
Concentration per Run 3	0.0001 ppm	0.0046 ppm	0.0003 ppm	0.0263 ppm	0.0593 ppm	10.5911 ppm	0.0004 ppm
Concentration RSD	21.1 %	1.4 %	64.9 %	0.2 %	3.0 %	0.3 %	48.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.1456 ppm	0.1370 ppm	0.0005 ppm	83.1152 ppm	0.0076 ppm	0.0007 ppm	0.0014 ppm
Concentration per Run 1	6.1900 ppm	0.1354 ppm	0.0004 ppm	82.5952 ppm	0.0076 ppm	0.0010 ppm	0.0011 ppm
Concentration per Run 2	6.1365 ppm	0.1375 ppm	0.0006 ppm	83.3004 ppm	0.0076 ppm	0.0004 ppm	0.0026 ppm
Concentration per Run 3	6.1102 ppm	0.1382 ppm	0.0004 ppm	83.4502 ppm	0.0076 ppm	0.0007 ppm	0.0005 ppm
Concentration RSD	0.7 %	1.1 %	25.0 %	0.5 %	0.3 %	45.0 %	77.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	3.1365 ppm	0.0010 ppm	0.0634 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	0.0009 ppm	3.1418 ppm	0.0009 ppm	0.0627 ppm	-0.0003 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 2	0.0011 ppm	3.1362 ppm	0.0012 ppm	0.0638 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 3	0.0012 ppm	3.1314 ppm	0.0009 ppm	0.0637 ppm	-0.0002 ppm	0.0004 ppm	-0.0001 ppm
Concentration RSD	17.0 %	0.2 %	14.9 %	0.9 %	138.5 %	708.1 %	218.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0171 ppm	94.1704 %	97.4042 %	99.7850 %	94.1241 %	99.0143 %	96.7717 %
Concentration per Run 1	0.0171 ppm	95.2578 %	97.3853 %	99.8010 %	94.9590 %	99.1571 %	96.7742 %
Concentration per Run 2	0.0172 ppm	93.6395 %	97.5215 %	99.7928 %	93.7930 %	98.9337 %	96.8893 %
Concentration per Run 3	0.0170 ppm	93.6137 %	97.3059 %	99.7611 %	93.6202 %	98.9522 %	96.6515 %
Concentration RSD	0.4 %	1.0 %	0.1 %	0.0 %	0.8 %	0.1 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2555836-04 WG2113867
 Analysis started at: 9/25/2025 10:09:29 PM
 Comments: <Comment>
 Rack: 1
 Vial: 45

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0009 ppm	-0.0003 ppm	0.2300 ppm	0.0553 ppm	0.0000 ppm	7.6396 ppm
Concentration per Run 1	-0.0003 ppm	-0.0068 ppm	-0.0004 ppm	0.2296 ppm	0.0545 ppm	0.0000 ppm	7.6098 ppm
Concentration per Run 2	-0.0002 ppm	0.0025 ppm	-0.0004 ppm	0.2303 ppm	0.0556 ppm	0.0000 ppm	7.6862 ppm
Concentration per Run 3	0.0000 ppm	0.0071 ppm	-0.0002 ppm	0.2300 ppm	0.0557 ppm	0.0002 ppm	7.6227 ppm
Concentration RSD	71.1 %	771.3 %	35.6 %	0.1 %	1.2 %	269.1 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0043 ppm	0.0003 ppm	0.0224 ppm	0.1185 ppm	15.4341 ppm	0.0006 ppm
Concentration per Run 1	0.0001 ppm	0.0042 ppm	0.0004 ppm	0.0222 ppm	0.1170 ppm	15.3869 ppm	0.0014 ppm
Concentration per Run 2	0.0001 ppm	0.0044 ppm	0.0002 ppm	0.0224 ppm	0.1208 ppm	15.4451 ppm	0.0001 ppm
Concentration per Run 3	0.0001 ppm	0.0044 ppm	0.0003 ppm	0.0225 ppm	0.1177 ppm	15.4703 ppm	0.0002 ppm
Concentration RSD	10.1 %	2.8 %	40.1 %	0.8 %	1.7 %	0.3 %	130.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.6381 ppm	0.1773 ppm	0.0003 ppm	95.1952 ppm	0.0059 ppm	0.0007 ppm	0.0007 ppm
Concentration per Run 1	5.6357 ppm	0.1756 ppm	0.0003 ppm	94.4737 ppm	0.0057 ppm	0.0014 ppm	0.0019 ppm
Concentration per Run 2	5.6561 ppm	0.1782 ppm	0.0005 ppm	95.3931 ppm	0.0059 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 3	5.6225 ppm	0.1783 ppm	0.0003 ppm	95.7187 ppm	0.0062 ppm	0.0001 ppm	0.0002 ppm
Concentration RSD	0.3 %	0.8 %	43.4 %	0.7 %	4.1 %	101.8 %	150.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0009 ppm	2.5160 ppm	0.0005 ppm	0.0515 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 1	-0.0026 ppm	2.5187 ppm	0.0006 ppm	0.0510 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 2	-0.0007 ppm	2.5162 ppm	0.0004 ppm	0.0518 ppm	0.0000 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run 3	0.0006 ppm	2.5132 ppm	0.0005 ppm	0.0516 ppm	0.0001 ppm	-0.0002 ppm	0.0001 ppm
Concentration RSD	173.3 %	0.1 %	20.8 %	0.8 %	651.4 %	282.1 %	1,274.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0076 ppm	94.9051 %	97.2440 %	99.2339 %	95.2716 %	98.4396 %	96.9258 %
Concentration per Run 1	0.0077 ppm	95.7191 %	97.5294 %	99.2991 %	95.8408 %	98.3513 %	97.1515 %
Concentration per Run 2	0.0076 ppm	94.3625 %	96.9297 %	99.1965 %	94.8571 %	98.4568 %	96.8018 %
Concentration per Run 3	0.0075 ppm	94.6337 %	97.2730 %	99.2060 %	95.1168 %	98.5106 %	96.8242 %
Concentration RSD	0.8 %	0.8 %	0.3 %	0.1 %	0.5 %	0.1 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2555836-05 WG2113867
 Analysis started at: 9/25/2025 10:14:45 PM
 Comments: <Comment>
 Rack: 1
 Vial: 46

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0240 ppm	-0.0003 ppm	0.1383 ppm	0.0806 ppm	0.0002 ppm	10.5238 ppm
Concentration per Run 1	-0.0003 ppm	0.0234 ppm	0.0000 ppm	0.1382 ppm	0.0795 ppm	0.0003 ppm	10.4006 ppm
Concentration per Run 2	0.0001 ppm	0.0237 ppm	-0.0004 ppm	0.1382 ppm	0.0810 ppm	0.0001 ppm	10.6370 ppm
Concentration per Run 3	0.0000 ppm	0.0250 ppm	-0.0005 ppm	0.1385 ppm	0.0813 ppm	0.0002 ppm	10.5338 ppm
Concentration RSD	502.2 %	3.6 %	95.4 %	0.1 %	1.2 %	35.0 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0028 ppm	0.0004 ppm	0.0207 ppm	0.0667 ppm	9.6210 ppm	0.0012 ppm
Concentration per Run 1	0.0001 ppm	0.0028 ppm	0.0003 ppm	0.0205 ppm	0.0629 ppm	9.5496 ppm	0.0010 ppm
Concentration per Run 2	0.0001 ppm	0.0028 ppm	0.0006 ppm	0.0209 ppm	0.0707 ppm	9.6503 ppm	0.0013 ppm
Concentration per Run 3	0.0001 ppm	0.0028 ppm	0.0003 ppm	0.0209 ppm	0.0665 ppm	9.6630 ppm	0.0013 ppm
Concentration RSD	9.0 %	0.3 %	42.2 %	1.1 %	5.8 %	0.6 %	13.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.2835 ppm	0.0750 ppm	0.0002 ppm	72.0816 ppm	0.0069 ppm	0.0009 ppm	0.0014 ppm
Concentration per Run 1	6.3029 ppm	0.0737 ppm	0.0002 ppm	71.3297 ppm	0.0068 ppm	0.0003 ppm	0.0022 ppm
Concentration per Run 2	6.2584 ppm	0.0749 ppm	0.0000 ppm	72.3229 ppm	0.0069 ppm	0.0007 ppm	0.0012 ppm
Concentration per Run 3	6.2893 ppm	0.0764 ppm	0.0003 ppm	72.5922 ppm	0.0072 ppm	0.0017 ppm	0.0008 ppm
Concentration RSD	0.4 %	1.8 %	77.6 %	0.9 %	2.7 %	78.7 %	52.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0006 ppm	3.2019 ppm	0.0003 ppm	0.0630 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 1	-0.0001 ppm	3.1891 ppm	0.0001 ppm	0.0622 ppm	0.0000 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run 2	-0.0010 ppm	3.2013 ppm	0.0003 ppm	0.0635 ppm	0.0000 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run 3	-0.0008 ppm	3.2152 ppm	0.0005 ppm	0.0635 ppm	0.0001 ppm	-0.0003 ppm	0.0000 ppm
Concentration RSD	80.1 %	0.4 %	69.3 %	1.2 %	924.1 %	150,210.4 %	89.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0240 ppm	94.4082 %	97.7528 %	99.7974 %	94.5785 %	99.0171 %	97.2679 %
Concentration per Run 1	0.0240 ppm	95.1860 %	97.9547 %	100.0025 %	95.2332 %	99.2706 %	97.3619 %
Concentration per Run 2	0.0239 ppm	93.7577 %	97.5793 %	99.7230 %	93.8876 %	99.0443 %	97.1458 %
Concentration per Run 3	0.0240 ppm	94.2809 %	97.7243 %	99.6668 %	94.6147 %	98.7363 %	97.2959 %
Concentration RSD	0.1 %	0.8 %	0.2 %	0.2 %	0.7 %	0.3 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2555836-06 WG2113867
 Analysis started at: 9/25/2025 10:20:00 PM
 Comments: <Comment>
 Rack: 1
 Vial: 47

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0249 ppm	-0.0001 ppm	0.1233 ppm	0.1115 ppm	0.0004 ppm	11.7565 ppm
Concentration per Run 1	-0.0003 ppm	0.0291 ppm	-0.0003 ppm	0.1235 ppm	0.1101 ppm	0.0004 ppm	11.6412 ppm
Concentration per Run 2	-0.0002 ppm	0.0183 ppm	0.0001 ppm	0.1234 ppm	0.1120 ppm	0.0004 ppm	11.8054 ppm
Concentration per Run 3	0.0002 ppm	0.0272 ppm	-0.0001 ppm	0.1228 ppm	0.1124 ppm	0.0004 ppm	11.8230 ppm
Concentration RSD	329.3 %	23.2 %	206.1 %	0.3 %	1.1 %	3.1 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0067 ppm	0.0004 ppm	0.0534 ppm	0.0325 ppm	7.0675 ppm	0.0017 ppm
Concentration per Run 1	0.0002 ppm	0.0066 ppm	0.0003 ppm	0.0535 ppm	0.0333 ppm	7.0527 ppm	0.0019 ppm
Concentration per Run 2	0.0002 ppm	0.0067 ppm	0.0002 ppm	0.0534 ppm	0.0319 ppm	7.0768 ppm	0.0008 ppm
Concentration per Run 3	0.0002 ppm	0.0067 ppm	0.0007 ppm	0.0534 ppm	0.0325 ppm	7.0730 ppm	0.0024 ppm
Concentration RSD	10.7 %	0.8 %	70.6 %	0.1 %	2.1 %	0.2 %	46.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.2445 ppm	0.1541 ppm	0.0000 ppm	79.7758 ppm	0.0094 ppm	0.0010 ppm	0.0013 ppm
Concentration per Run 1	6.2551 ppm	0.1524 ppm	0.0001 ppm	79.1492 ppm	0.0094 ppm	0.0009 ppm	0.0007 ppm
Concentration per Run 2	6.2318 ppm	0.1545 ppm	0.0000 ppm	79.9205 ppm	0.0093 ppm	0.0009 ppm	0.0016 ppm
Concentration per Run 3	6.2466 ppm	0.1554 ppm	-0.0001 ppm	80.2578 ppm	0.0095 ppm	0.0012 ppm	0.0016 ppm
Concentration RSD	0.2 %	1.0 %	1,399.8 %	0.7 %	1.1 %	16.3 %	39.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0012 ppm	3.5138 ppm	0.0002 ppm	0.0708 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	-0.0012 ppm	3.5126 ppm	0.0007 ppm	0.0701 ppm	0.0000 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run 2	-0.0010 ppm	3.5157 ppm	-0.0002 ppm	0.0709 ppm	0.0003 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 3	-0.0014 ppm	3.5131 ppm	-0.0001 ppm	0.0715 ppm	-0.0003 ppm	-0.0002 ppm	-0.0002 ppm
Concentration RSD	17.7 %	0.0 %	300.9 %	1.0 %	1,493.2 %	446.5 %	945.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1004 ppm	94.2970 %	97.4390 %	99.4854 %	94.4044 %	98.7374 %	96.9506 %
Concentration per Run 1	0.1003 ppm	94.9662 %	97.4443 %	99.7261 %	95.1554 %	98.9561 %	97.0471 %
Concentration per Run 2	0.1005 ppm	93.4077 %	97.6434 %	99.1890 %	93.7868 %	98.5213 %	97.0752 %
Concentration per Run 3	0.1004 ppm	94.5171 %	97.2292 %	99.5411 %	94.2709 %	98.7348 %	96.7296 %
Concentration RSD	0.1 %	0.9 %	0.2 %	0.3 %	0.7 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCV
 Analysis started at: 9/25/2025 10:25:16 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4896 ppm	0.4918 ppm	0.4680 ppm	0.4738 ppm	0.5156 ppm	0.4860 ppm	0.4930 ppm
Concentration per Run 1	0.4901 ppm	0.4815 ppm	0.4670 ppm	0.4731 ppm	0.5075 ppm	0.4789 ppm	0.4850 ppm
Concentration per Run 2	0.4881 ppm	0.5041 ppm	0.4691 ppm	0.4738 ppm	0.5188 ppm	0.4892 ppm	0.5054 ppm
Concentration per Run 3	0.4905 ppm	0.4896 ppm	0.4677 ppm	0.4745 ppm	0.5205 ppm	0.4899 ppm	0.4885 ppm
Recovery Percentage 1	97.913 %	98.352 %	93.592 %	94.765 %	103.117 %	97.203 %	98.591 %
Concentration RSD	0.3 %	2.3 %	0.2 %	0.2 %	1.4 %	1.3 %	2.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4905 ppm	0.4942 ppm	0.5106 ppm	0.5044 ppm	0.4699 ppm	5.5184 ppm	0.5346 ppm
Concentration per Run 1	0.4904 ppm	0.4939 ppm	0.5129 ppm	0.5016 ppm	0.4639 ppm	5.4713 ppm	0.5259 ppm
Concentration per Run 2	0.4913 ppm	0.4948 ppm	0.5097 ppm	0.5038 ppm	0.4701 ppm	5.5280 ppm	0.5393 ppm
Concentration per Run 3	0.4898 ppm	0.4937 ppm	0.5092 ppm	0.5078 ppm	0.4757 ppm	5.5560 ppm	0.5386 ppm
Recovery Percentage 1	98.100 %	98.832 %	102.124 %	100.876 %	93.980 %	110.369 %	106.915 %
Concentration RSD	0.2 %	0.1 %	0.4 %	0.6 %	1.2 %	0.8 %	1.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4839 ppm	0.4648 ppm	0.4842 ppm	10.7112 ppm	0.4900 ppm	0.4924 ppm	0.4938 ppm
Concentration per Run 1	0.4876 ppm	0.4575 ppm	0.4836 ppm	10.5796 ppm	0.4893 ppm	0.4926 ppm	0.4930 ppm
Concentration per Run 2	0.4835 ppm	0.4694 ppm	0.4842 ppm	10.7795 ppm	0.4912 ppm	0.4921 ppm	0.4931 ppm
Concentration per Run 3	0.4807 ppm	0.4675 ppm	0.4847 ppm	10.7745 ppm	0.4896 ppm	0.4926 ppm	0.4951 ppm
Recovery Percentage 1	96.785 %	92.958 %	96.832 %	107.112 %	98.006 %	98.489 %	98.752 %
Concentration RSD	0.7 %	1.4 %	0.1 %	1.1 %	0.2 %	0.1 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4807 ppm	5.1365 ppm	0.4809 ppm	0.5181 ppm	0.5020 ppm	0.4987 ppm	0.5008 ppm
Concentration per Run 1	0.4763 ppm	5.1238 ppm	0.4810 ppm	0.5105 ppm	0.5020 ppm	0.4978 ppm	0.5016 ppm
Concentration per Run 2	0.4836 ppm	5.1417 ppm	0.4814 ppm	0.5215 ppm	0.5019 ppm	0.4985 ppm	0.5010 ppm
Concentration per Run 3	0.4823 ppm	5.1438 ppm	0.4804 ppm	0.5223 ppm	0.5022 ppm	0.4998 ppm	0.4999 ppm
Recovery Percentage 1	96.143 %	97.837 %	96.186 %	103.615 %	100.401 %	99.744 %	100.167 %
Concentration RSD	0.8 %	0.2 %	0.1 %	1.3 %	0.0 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4848 ppm	94.8726 %	99.3292 %	101.2089 %	95.1329 %	101.6278 %	98.9267 %
Concentration per Run 1	0.4847 ppm	95.7044 %	99.3747 %	101.4669 %	95.6505 %	101.8676 %	99.2100 %
Concentration per Run 2	0.4858 ppm	94.5622 %	99.3550 %	101.0748 %	95.0521 %	101.4159 %	98.9474 %
Concentration per Run 3	0.4839 ppm	94.3513 %	99.2579 %	101.0850 %	94.6961 %	101.5999 %	98.6227 %
Recovery Percentage 1	96.957 %						
Concentration RSD	0.2 %	0.8 %	0.1 %	0.2 %	0.5 %	0.2 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCB
 Analysis started at: 9/25/2025 10:30:20 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0005 ppm	-0.0013 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0082 ppm
Concentration per Run 1	-0.0002 ppm	-0.0101 ppm	-0.0012 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0097 ppm
Concentration per Run 2	-0.0002 ppm	0.0035 ppm	-0.0015 ppm	0.0009 ppm	0.0003 ppm	0.0001 ppm	0.0041 ppm
Concentration per Run 3	0.0001 ppm	0.0051 ppm	-0.0013 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0109 ppm
Recovery Percentage 1	-1.525 %	-0.520 %	-26.971 %	3.235 %	1.214 %	0.616 %	8.214 %
Concentration RSD	254.5 %	1,600.0 %	9.3 %	4.9 %	150.0 %	187.9 %	44.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0010 ppm	0.0436 ppm	0.0009 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0009 ppm	0.0432 ppm	0.0002 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.0293 ppm	0.0019 ppm
Concentration per Run 3	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0014 ppm	0.0583 ppm	0.0006 ppm
Recovery Percentage 1	1.257 %	0.764 %	1.280 %	-1.273 %	2.015 %	1.743 %	8.872 %
Concentration RSD	0.4 %	110.9 %	46.1 %	56.7 %	33.0 %	33.3 %	103.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0017 ppm	0.0000 ppm	0.0006 ppm	0.0346 ppm	0.0003 ppm	-0.0005 ppm	0.0016 ppm
Concentration per Run 1	0.0028 ppm	-0.0006 ppm	0.0007 ppm	0.0258 ppm	0.0004 ppm	-0.0007 ppm	0.0012 ppm
Concentration per Run 2	0.0004 ppm	-0.0001 ppm	0.0006 ppm	0.0332 ppm	0.0004 ppm	-0.0005 ppm	0.0015 ppm
Concentration per Run 3	0.0019 ppm	0.0007 ppm	0.0005 ppm	0.0447 ppm	0.0003 ppm	-0.0001 ppm	0.0020 ppm
Recovery Percentage 1	1.693 %	0.095 %	1.202 %	1.729 %	1.384 %	-4.711 %	3.127 %
Concentration RSD	72.8 %	6,650.8 %	20.0 %	27.6 %	12.1 %	64.5 %	27.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0014 ppm	-0.0018 ppm	0.0021 ppm	0.0000 ppm	0.0002 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 1	-0.0021 ppm	-0.0018 ppm	0.0030 ppm	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run 2	-0.0006 ppm	-0.0019 ppm	0.0021 ppm	-0.0001 ppm	0.0001 ppm	-0.0013 ppm	0.0002 ppm
Concentration per Run 3	-0.0014 ppm	-0.0016 ppm	0.0013 ppm	0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0002 ppm
Recovery Percentage 1	-13.613 %	-0.353 %	4.235 %	0.346 %	1.747 %	-2.894 %	2.485 %
Concentration RSD	52.6 %	9.7 %	41.7 %	527.9 %	34.5 %	108.8 %	38.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0007 ppm	94.4158 %	100.4413 %	101.7923 %	93.4675 %	100.3058 %	98.9126 %
Concentration per Run 1	0.0007 ppm	95.5410 %	100.4343 %	101.4184 %	94.2229 %	100.0298 %	98.9069 %
Concentration per Run 2	0.0007 ppm	93.8471 %	100.7346 %	101.9804 %	93.4356 %	100.4451 %	99.0976 %
Concentration per Run 3	0.0007 ppm	93.8593 %	100.1550 %	101.9780 %	92.7439 %	100.4425 %	98.7332 %
Recovery Percentage 1	14.002 %						
Concentration RSD	6.4 %	1.0 %	0.3 %	0.3 %	0.8 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: WG2118612-1 WG2118612
 Analysis started at: 9/25/2025 10:43:26 PM
 Comments: <Comment>
 Rack: 1
 Vial: 29

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0034 ppm	-0.0015 ppm	0.0006 ppm	0.0002 ppm	0.0000 ppm	0.0258 ppm
Concentration per Run 1	-0.0001 ppm	0.0008 ppm	-0.0017 ppm	0.0005 ppm	0.0003 ppm	-0.0001 ppm	0.0173 ppm
Concentration per Run 2	0.0000 ppm	0.0089 ppm	-0.0019 ppm	0.0008 ppm	0.0003 ppm	0.0001 ppm	0.0326 ppm
Concentration per Run 3	0.0000 ppm	0.0004 ppm	-0.0009 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0275 ppm
Concentration RSD	140.0 %	144.1 %	32.9 %	29.3 %	45.6 %	477.0 %	30.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0004 ppm	0.0033 ppm	0.0271 ppm	0.0013 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0006 ppm	0.0034 ppm	0.0254 ppm	0.0013 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0005 ppm	-0.0002 ppm	0.0026 ppm	0.0334 ppm	0.0008 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0005 ppm	0.0040 ppm	0.0226 ppm	0.0019 ppm
Concentration RSD	237.7 %	92.4 %	27.2 %	46.5 %	19.7 %	20.7 %	41.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0002 ppm	0.0001 ppm	0.0003 ppm	0.0433 ppm	0.0020 ppm	-0.0001 ppm	0.0019 ppm
Concentration per Run 1	0.0009 ppm	-0.0002 ppm	0.0002 ppm	0.0413 ppm	0.0020 ppm	0.0003 ppm	0.0018 ppm
Concentration per Run 2	0.0010 ppm	0.0004 ppm	0.0002 ppm	0.0443 ppm	0.0020 ppm	-0.0005 ppm	0.0026 ppm
Concentration per Run 3	-0.0012 ppm	0.0002 ppm	0.0004 ppm	0.0442 ppm	0.0021 ppm	0.0000 ppm	0.0013 ppm
Concentration RSD	607.8 %	218.1 %	52.4 %	3.9 %	2.9 %	737.3 %	34.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0012 ppm	0.0170 ppm	0.0019 ppm	0.0001 ppm	0.0002 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 1	-0.0021 ppm	0.0173 ppm	0.0022 ppm	0.0001 ppm	0.0003 ppm	-0.0009 ppm	-0.0001 ppm
Concentration per Run 2	0.0003 ppm	0.0171 ppm	0.0017 ppm	0.0002 ppm	0.0001 ppm	-0.0002 ppm	0.0003 ppm
Concentration per Run 3	-0.0018 ppm	0.0166 ppm	0.0018 ppm	0.0000 ppm	0.0004 ppm	-0.0009 ppm	0.0002 ppm
Concentration RSD	109.8 %	2.1 %	14.6 %	98.6 %	61.7 %	56.9 %	120.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0039 ppm	93.9956 %	100.6541 %	101.7527 %	93.1446 %	98.3350 %	99.2403 %
Concentration per Run 1	0.0039 ppm	94.8694 %	100.2917 %	101.5942 %	94.3134 %	98.2430 %	98.8352 %
Concentration per Run 2	0.0038 ppm	93.3145 %	100.6946 %	101.7864 %	92.1978 %	98.3010 %	99.3210 %
Concentration per Run 3	0.0039 ppm	93.8028 %	100.9759 %	101.8775 %	92.9225 %	98.4610 %	99.5646 %
Concentration RSD	0.8 %	0.8 %	0.3 %	0.1 %	1.2 %	0.1 %	0.4 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: WG2118612-2 WG2118612
 Analysis started at: 9/25/2025 10:48:48 PM
 Comments: <Comment>
 Rack: 1
 Vial: 30

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0477 ppm	2.0770 ppm	0.1137 ppm	0.9473 ppm	2.0905 ppm	0.0501 ppm	10.2011 ppm
Concentration per Run 1	0.0477 ppm	2.0301 ppm	0.1139 ppm	0.9442 ppm	2.0511 ppm	0.0491 ppm	9.9545 ppm
Concentration per Run 2	0.0476 ppm	2.0838 ppm	0.1133 ppm	0.9474 ppm	2.1014 ppm	0.0504 ppm	10.2529 ppm
Concentration per Run 3	0.0477 ppm	2.1173 ppm	0.1140 ppm	0.9503 ppm	2.1189 ppm	0.0508 ppm	10.3958 ppm
Concentration RSD	0.2 %	2.1 %	0.3 %	0.3 %	1.7 %	1.8 %	2.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0533 ppm	0.4967 ppm	0.2061 ppm	0.2554 ppm	0.9983 ppm	10.9200 ppm	0.0011 ppm
Concentration per Run 1	0.0532 ppm	0.4961 ppm	0.2066 ppm	0.2552 ppm	0.9717 ppm	10.7589 ppm	0.0005 ppm
Concentration per Run 2	0.0533 ppm	0.4969 ppm	0.2060 ppm	0.2556 ppm	1.0040 ppm	10.9221 ppm	0.0015 ppm
Concentration per Run 3	0.0533 ppm	0.4971 ppm	0.2057 ppm	0.2554 ppm	1.0193 ppm	11.0790 ppm	0.0012 ppm
Concentration RSD	0.1 %	0.1 %	0.2 %	0.1 %	2.4 %	1.5 %	44.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.4551 ppm	0.4840 ppm	0.9974 ppm	10.9712 ppm	0.4958 ppm	0.5219 ppm	0.4937 ppm
Concentration per Run 1	9.4654 ppm	0.4732 ppm	0.9951 ppm	10.8102 ppm	0.4948 ppm	0.5201 ppm	0.4919 ppm
Concentration per Run 2	9.4371 ppm	0.4862 ppm	0.9967 ppm	11.0062 ppm	0.4959 ppm	0.5226 ppm	0.4942 ppm
Concentration per Run 3	9.4627 ppm	0.4924 ppm	1.0004 ppm	11.0972 ppm	0.4968 ppm	0.5230 ppm	0.4949 ppm
Concentration RSD	0.2 %	2.0 %	0.3 %	1.3 %	0.2 %	0.3 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1131 ppm	1.0455 ppm	0.9568 ppm	1.0224 ppm	1.0101 ppm	0.1159 ppm	0.5081 ppm
Concentration per Run 1	0.1134 ppm	1.0429 ppm	0.9560 ppm	1.0042 ppm	1.0107 ppm	0.1166 ppm	0.5087 ppm
Concentration per Run 2	0.1133 ppm	1.0455 ppm	0.9568 ppm	1.0260 ppm	1.0106 ppm	0.1161 ppm	0.5078 ppm
Concentration per Run 3	0.1127 ppm	1.0482 ppm	0.9576 ppm	1.0371 ppm	1.0091 ppm	0.1149 ppm	0.5078 ppm
Concentration RSD	0.3 %	0.2 %	0.1 %	1.6 %	0.1 %	0.7 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4942 ppm	93.5906 %	98.6589 %	99.6818 %	93.8454 %	98.4487 %	97.9779 %
Concentration per Run 1	0.4934 ppm	94.4932 %	98.4403 %	99.8453 %	94.6120 %	98.7066 %	97.7799 %
Concentration per Run 2	0.4945 ppm	93.7119 %	98.6105 %	99.6172 %	94.1151 %	98.3847 %	97.8674 %
Concentration per Run 3	0.4947 ppm	92.5668 %	98.9260 %	99.5828 %	92.8090 %	98.2548 %	98.2865 %
Concentration RSD	0.1 %	1.0 %	0.2 %	0.1 %	1.0 %	0.2 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: eL2559350-01 WG2118612
 Analysis started at: 9/25/2025 10:53:54 PM
 Comments: <Comment>
 Rack: 1
 Vial: 31

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0678 ppm	0.0261 ppm	0.0019 ppm	0.0363 ppm	0.0006 ppm	0.0000 ppm	0.0361 ppm
Concentration per Run 1	0.0676 ppm	0.0261 ppm	0.0009 ppm	0.0361 ppm	0.0007 ppm	-0.0001 ppm	0.0391 ppm
Concentration per Run 2	0.0676 ppm	0.0280 ppm	0.0021 ppm	0.0363 ppm	0.0005 ppm	0.0001 ppm	0.0395 ppm
Concentration per Run 3	0.0683 ppm	0.0244 ppm	0.0027 ppm	0.0366 ppm	0.0006 ppm	0.0000 ppm	0.0296 ppm
Concentration RSD	0.6 %	6.8 %	46.1 %	0.7 %	18.7 %	484.5 %	15.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0018 ppm	0.0633 ppm	0.0968 ppm	0.0089 ppm	8.5987 ppm	0.0331 ppm
Concentration per Run 1	0.0000 ppm	0.0018 ppm	0.0631 ppm	0.0970 ppm	0.0078 ppm	7.7999 ppm	0.0277 ppm
Concentration per Run 2	0.0000 ppm	0.0018 ppm	0.0633 ppm	0.0964 ppm	0.0094 ppm	8.6585 ppm	0.0341 ppm
Concentration per Run 3	0.0000 ppm	0.0019 ppm	0.0635 ppm	0.0969 ppm	0.0094 ppm	9.3377 ppm	0.0374 ppm
Concentration RSD	65.9 %	5.4 %	0.3 %	0.4 %	10.2 %	9.0 %	15.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0087 ppm	0.0006 ppm	0.1289 ppm	1,466.9208 [SIC 500]	1.1449 ppm	0.0051 ppm	0.0256 ppm
Concentration per Run 1	0.0081 ppm	0.0002 ppm	0.1290 ppm	1,501.0760 ppm	1.1473 ppm	0.0054 ppm	0.0216 ppm
Concentration per Run 2	0.0090 ppm	0.0010 ppm	0.1282 ppm	1,475.8804 ppm	1.1435 ppm	0.0052 ppm	0.0269 ppm
Concentration per Run 3	0.0089 ppm	0.0007 ppm	0.1295 ppm	1,423.8062 ppm	1.1439 ppm	0.0048 ppm	0.0283 ppm
Concentration RSD	5.7 %	58.6 %	0.5 %	2.7 %	0.2 %	6.5 %	13.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	97.2006 [SIC 60]	0.0048 ppm	0.0003 ppm	0.1479 ppm	-0.0019 ppm	0.0017 ppm
Concentration per Run 1	0.0015 ppm	102.4174 ppm	0.0049 ppm	0.0002 ppm	0.1480 ppm	-0.0030 ppm	0.0014 ppm
Concentration per Run 2	0.0011 ppm	97.3548 ppm	0.0051 ppm	0.0001 ppm	0.1482 ppm	-0.0009 ppm	0.0019 ppm
Concentration per Run 3	0.0003 ppm	91.8296 ppm	0.0044 ppm	0.0005 ppm	0.1475 ppm	-0.0017 ppm	0.0019 ppm
Concentration RSD	65.4 %	5.4 %	8.1 %	80.5 %	0.3 %	56.2 %	17.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0037 ppm	82.0872 %	74.2930 %	77.7957 %	82.6066 %	70.4864 %	73.6976 %
Concentration per Run 1	0.0036 ppm	82.3257 %	74.3132 %	77.9317 %	82.9526 %	70.5716 %	73.6638 %
Concentration per Run 2	0.0038 ppm	81.7509 %	74.3630 %	77.7343 %	82.3387 %	70.6329 %	73.8356 %
Concentration per Run 3	0.0037 ppm	82.1851 %	74.2027 %	77.7212 %	82.5287 %	70.2548 %	73.5934 %
Concentration RSD	1.5 %	0.4 %	0.1 %	0.2 %	0.4 %	0.3 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: eWG2118612-3 WG2118612
 Analysis started at: 9/25/2025 10:59:19 PM
 Comments: <Comment>
 Rack: 1
 Vial: 32

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.1293 ppm	2.3534 ppm	0.1449 ppm	1.0699 ppm	2.0826 ppm	0.0497 ppm	10.1995 ppm
Concentration per Run 1	0.1293 ppm	2.3338 ppm	0.1454 ppm	1.0664 ppm	2.0544 ppm	0.0493 ppm	10.1299 ppm
Concentration per Run 2	0.1289 ppm	2.3707 ppm	0.1448 ppm	1.0732 ppm	2.0930 ppm	0.0499 ppm	10.2337 ppm
Concentration per Run 3	0.1298 ppm	2.3558 ppm	0.1446 ppm	1.0702 ppm	2.1004 ppm	0.0500 ppm	10.2351 ppm
Concentration RSD	0.3 %	0.8 %	0.3 %	0.3 %	1.2 %	0.7 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0568 ppm	0.5069 ppm	0.2665 ppm	0.3809 ppm	1.0626 ppm	22.5864 ppm	0.0428 ppm
Concentration per Run 1	0.0568 ppm	0.5069 ppm	0.2669 ppm	0.3803 ppm	1.0485 ppm	22.1203 ppm	0.0412 ppm
Concentration per Run 2	0.0568 ppm	0.5073 ppm	0.2652 ppm	0.3812 ppm	1.0701 ppm	22.7468 ppm	0.0426 ppm
Concentration per Run 3	0.0568 ppm	0.5064 ppm	0.2674 ppm	0.3812 ppm	1.0691 ppm	22.8919 ppm	0.0444 ppm
Concentration RSD	0.1 %	0.1 %	0.4 %	0.1 %	1.1 %	1.8 %	3.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	8.1864 ppm	0.4908 ppm	1.2086 ppm	1,343.5789 [SIC 500]	1.6450 ppm	0.5157 ppm	0.6065 ppm
Concentration per Run 1	8.2007 ppm	0.4860 ppm	1.2066 ppm	1,406.7384 ppm	1.6444 ppm	0.5152 ppm	0.6076 ppm
Concentration per Run 2	8.1365 ppm	0.4931 ppm	1.2107 ppm	1,319.8549 ppm	1.6464 ppm	0.5173 ppm	0.6098 ppm
Concentration per Run 3	8.2221 ppm	0.4934 ppm	1.2084 ppm	1,304.1435 ppm	1.6441 ppm	0.5146 ppm	0.6021 ppm
Concentration RSD	0.5 %	0.9 %	0.2 %	4.1 %	0.1 %	0.3 %	0.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1498 ppm	41.5690 [SIC 60]	0.9777 ppm	1.0176 ppm	1.1687 ppm	0.1069 ppm	0.5140 ppm
Concentration per Run 1	0.1494 ppm	49.9577 ppm	0.9778 ppm	1.0028 ppm	1.1685 ppm	0.1074 ppm	0.5136 ppm
Concentration per Run 2	0.1505 ppm	41.6219 ppm	0.9772 ppm	1.0247 ppm	1.1664 ppm	0.1057 ppm	0.5135 ppm
Concentration per Run 3	0.1495 ppm	33.1273 ppm	0.9780 ppm	1.0252 ppm	1.1712 ppm	0.1076 ppm	0.5148 ppm
Concentration RSD	0.4 %	20.2 %	0.0 %	1.3 %	0.2 %	1.0 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5486 ppm	81.5961 %	74.7693 %	77.9796 %	81.7432 %	70.9440 %	73.8339 %
Concentration per Run 1	0.5490 ppm	81.3347 %	74.7247 %	78.1017 %	81.7085 %	71.2026 %	73.8200 %
Concentration per Run 2	0.5486 ppm	81.9091 %	74.9528 %	78.0182 %	81.8281 %	70.8354 %	73.9540 %
Concentration per Run 3	0.5481 ppm	81.5446 %	74.6305 %	77.8188 %	81.6931 %	70.7939 %	73.7276 %
Concentration RSD	0.1 %	0.4 %	0.2 %	0.2 %	0.1 %	0.3 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: eWG2118612-4 WG2118612
 Analysis started at: 9/25/2025 11:04:34 PM
 Comments: <Comment>
 Rack: 1
 Vial: 33

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0680 ppm	0.0563 ppm	0.0013 ppm	0.0391 ppm	0.0007 ppm	0.0000 ppm	0.0395 ppm
Concentration per Run 1	0.0678 ppm	0.0734 ppm	0.0023 ppm	0.0393 ppm	0.0005 ppm	0.0000 ppm	0.0441 ppm
Concentration per Run 2	0.0681 ppm	0.0412 ppm	0.0010 ppm	0.0386 ppm	0.0008 ppm	0.0000 ppm	0.0425 ppm
Concentration per Run 3	0.0682 ppm	0.0542 ppm	0.0005 ppm	0.0395 ppm	0.0008 ppm	0.0001 ppm	0.0321 ppm
Concentration RSD	0.3 %	28.8 %	72.6 %	1.3 %	21.4 %	253.5 %	16.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0028 ppm	0.0638 ppm	0.0967 ppm	0.0138 ppm	10.2340 ppm	0.0377 ppm
Concentration per Run 1	-0.0001 ppm	0.0028 ppm	0.0635 ppm	0.0974 ppm	0.0171 ppm	9.9592 ppm	0.0361 ppm
Concentration per Run 2	-0.0001 ppm	0.0027 ppm	0.0640 ppm	0.0967 ppm	0.0120 ppm	10.3018 ppm	0.0382 ppm
Concentration per Run 3	-0.0001 ppm	0.0029 ppm	0.0640 ppm	0.0959 ppm	0.0122 ppm	10.4409 ppm	0.0389 ppm
Concentration RSD	15.6 %	2.6 %	0.5 %	0.8 %	20.9 %	2.4 %	3.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0107 ppm	0.0006 ppm	0.1291 ppm	1,284.5981 [SIC 500]	1.1381 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run 1	0.0114 ppm	0.0006 ppm	0.1299 ppm	1,320.3480 ppm	1.1427 ppm	0.0003 ppm	0.0004 ppm
Concentration per Run 2	0.0103 ppm	0.0005 ppm	0.1290 ppm	1,260.9443 ppm	1.1372 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 3	0.0104 ppm	0.0008 ppm	0.1285 ppm	1,272.5018 ppm	1.1345 ppm	-0.0006 ppm	-0.0009 ppm
Concentration RSD	5.6 %	26.9 %	0.5 %	2.5 %	0.4 %	373.8 %	410.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	4.7755 ppm	0.0006 ppm	0.0002 ppm	0.1442 ppm	-0.0016 ppm	0.0020 ppm
Concentration per Run 1	0.0036 ppm	5.4587 ppm	0.0008 ppm	0.0002 ppm	0.1446 ppm	-0.0030 ppm	0.0018 ppm
Concentration per Run 2	0.0006 ppm	4.6854 ppm	0.0004 ppm	0.0003 ppm	0.1444 ppm	-0.0014 ppm	0.0021 ppm
Concentration per Run 3	-0.0004 ppm	4.1826 ppm	0.0005 ppm	0.0002 ppm	0.1437 ppm	-0.0004 ppm	0.0021 ppm
Concentration RSD	163.4 %	13.5 %	40.9 %	9.7 %	0.3 %	80.1 %	9.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0057 ppm	81.9292 %	74.1565 %	78.0982 %	82.0553 %	71.0617 %	73.2649 %
Concentration per Run 1	0.0057 ppm	82.5926 %	74.0934 %	77.9223 %	82.3525 %	70.9175 %	73.1805 %
Concentration per Run 2	0.0056 ppm	81.8845 %	74.2974 %	78.1514 %	82.1707 %	71.1036 %	73.3335 %
Concentration per Run 3	0.0058 ppm	81.3106 %	74.0787 %	78.2208 %	81.6427 %	71.1639 %	73.2808 %
Concentration RSD	1.5 %	0.8 %	0.2 %	0.2 %	0.4 %	0.2 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: eL2559350-02 WG2118612
 Analysis started at: 9/25/2025 11:10:00 PM
 Comments: <Comment>
 Rack: 1
 Vial: 34

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.1671 ppm	0.0122 ppm	-0.0006 ppm	0.0298 ppm	0.0006 ppm	0.0000 ppm	0.1302 ppm
Concentration per Run 1	0.1667 ppm	0.0089 ppm	0.0006 ppm	0.0305 ppm	0.0007 ppm	0.0000 ppm	0.1296 ppm
Concentration per Run 2	0.1673 ppm	0.0052 ppm	0.0004 ppm	0.0297 ppm	0.0005 ppm	0.0000 ppm	0.1268 ppm
Concentration per Run 3	0.1675 ppm	0.0224 ppm	-0.0028 ppm	0.0291 ppm	0.0006 ppm	0.0001 ppm	0.1341 ppm
Concentration RSD	0.2 %	74.3 %	306.6 %	2.3 %	15.4 %	206.6 %	2.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0006 ppm	0.1132 ppm	0.1675 ppm	0.0074 ppm	10.6228 ppm	0.0210 ppm
Concentration per Run 1	-0.0001 ppm	0.0004 ppm	0.1139 ppm	0.1667 ppm	0.0068 ppm	10.3523 ppm	0.0202 ppm
Concentration per Run 2	-0.0001 ppm	0.0005 ppm	0.1131 ppm	0.1677 ppm	0.0055 ppm	10.7193 ppm	0.0210 ppm
Concentration per Run 3	-0.0001 ppm	0.0009 ppm	0.1125 ppm	0.1682 ppm	0.0099 ppm	10.7966 ppm	0.0218 ppm
Concentration RSD	18.9 %	36.4 %	0.6 %	0.5 %	30.9 %	2.2 %	3.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1727 ppm	-0.0004 ppm	0.0537 ppm	1,273.1502 [SIC 500]	0.0222 ppm	-0.0009 ppm	-0.0009 ppm
Concentration per Run 1	0.1728 ppm	-0.0004 ppm	0.0534 ppm	1,338.2736 ppm	0.0223 ppm	0.0002 ppm	-0.0018 ppm
Concentration per Run 2	0.1722 ppm	-0.0004 ppm	0.0539 ppm	1,243.3921 ppm	0.0222 ppm	-0.0013 ppm	-0.0005 ppm
Concentration per Run 3	0.1729 ppm	-0.0005 ppm	0.0539 ppm	1,237.7850 ppm	0.0221 ppm	-0.0017 ppm	-0.0003 ppm
Concentration RSD	0.2 %	16.2 %	0.6 %	4.4 %	0.4 %	105.5 %	88.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0006 ppm	0.1061 ppm	0.0005 ppm	0.0015 ppm	-0.0003 ppm	-0.0020 ppm	0.0009 ppm
Concentration per Run 1	-0.0022 ppm	0.1275 ppm	0.0007 ppm	0.0015 ppm	-0.0004 ppm	-0.0020 ppm	0.0008 ppm
Concentration per Run 2	-0.0002 ppm	0.1058 ppm	0.0005 ppm	0.0015 ppm	-0.0005 ppm	-0.0026 ppm	0.0010 ppm
Concentration per Run 3	0.0004 ppm	0.0850 ppm	0.0004 ppm	0.0014 ppm	-0.0001 ppm	-0.0014 ppm	0.0008 ppm
Concentration RSD	209.8 %	20.0 %	26.8 %	4.9 %	70.7 %	32.1 %	12.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0016 ppm	77.8591 %	73.7877 %	77.4024 %	78.0923 %	70.4685 %	73.1786 %
Concentration per Run 1	0.0017 ppm	78.6486 %	73.7450 %	77.4642 %	78.6867 %	70.5628 %	73.1910 %
Concentration per Run 2	0.0016 ppm	77.5327 %	73.7794 %	77.3345 %	77.8410 %	70.3291 %	73.1565 %
Concentration per Run 3	0.0016 ppm	77.3960 %	73.8386 %	77.4083 %	77.7491 %	70.5137 %	73.1883 %
Concentration RSD	4.2 %	0.9 %	0.1 %	0.1 %	0.7 %	0.2 %	0.0 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: eL2559350-03 WG2118612
 Analysis started at: 9/25/2025 11:15:25 PM
 Comments: <Comment>
 Rack: 1
 Vial: 35

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0035 ppm	0.0383 ppm	0.0003 ppm	0.0162 ppm	0.0006 ppm	0.0000 ppm	0.4623 ppm
Concentration per Run 1	0.0029 ppm	0.0399 ppm	0.0006 ppm	0.0167 ppm	0.0007 ppm	0.0000 ppm	0.4675 ppm
Concentration per Run 2	0.0039 ppm	0.0409 ppm	0.0000 ppm	0.0158 ppm	0.0006 ppm	-0.0001 ppm	0.4580 ppm
Concentration per Run 3	0.0036 ppm	0.0339 ppm	0.0002 ppm	0.0162 ppm	0.0006 ppm	0.0000 ppm	0.4614 ppm
Concentration RSD	15.1 %	9.9 %	125.8 %	2.7 %	11.1 %	132.3 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.5093 ppm	0.0014 ppm	0.0045 ppm	5.5150 ppm	0.0102 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.5096 ppm	0.0014 ppm	0.0047 ppm	5.3835 ppm	0.0100 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.5080 ppm	0.0015 ppm	0.0030 ppm	5.5578 ppm	0.0100 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.5103 ppm	0.0014 ppm	0.0059 ppm	5.6038 ppm	0.0108 ppm
Concentration RSD	20.6 %	20.1 %	0.2 %	1.7 %	32.8 %	2.1 %	4.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0668 ppm	0.0059 ppm	0.0038 ppm	1,176.3871 [SIC 500]	0.0024 ppm	0.0000 ppm	-0.0012 ppm
Concentration per Run 1	0.0669 ppm	0.0055 ppm	0.0036 ppm	1,180.9723 ppm	0.0024 ppm	-0.0002 ppm	-0.0022 ppm
Concentration per Run 2	0.0661 ppm	0.0073 ppm	0.0039 ppm	1,190.8268 ppm	0.0025 ppm	0.0002 ppm	-0.0009 ppm
Concentration per Run 3	0.0674 ppm	0.0048 ppm	0.0038 ppm	1,157.3621 ppm	0.0024 ppm	-0.0001 ppm	-0.0006 ppm
Concentration RSD	0.9 %	22.2 %	3.9 %	1.5 %	1.1 %	645.2 %	69.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0004 ppm	0.0497 ppm	0.0004 ppm	0.0026 ppm	-0.0003 ppm	-0.0006 ppm	0.0845 ppm
Concentration per Run 1	-0.0013 ppm	0.0524 ppm	0.0005 ppm	0.0024 ppm	-0.0003 ppm	0.0007 ppm	0.0844 ppm
Concentration per Run 2	0.0000 ppm	0.0496 ppm	0.0001 ppm	0.0027 ppm	-0.0002 ppm	-0.0007 ppm	0.0846 ppm
Concentration per Run 3	0.0001 ppm	0.0470 ppm	0.0007 ppm	0.0025 ppm	-0.0003 ppm	-0.0019 ppm	0.0847 ppm
Concentration RSD	195.8 %	5.4 %	72.6 %	6.3 %	16.6 %	204.8 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0022 ppm	77.9401 %	79.1159 %	82.5593 %	78.1809 %	76.9229 %	78.5017 %
Concentration per Run 1	0.0023 ppm	77.8030 %	78.9106 %	82.7338 %	77.9818 %	77.1152 %	78.3667 %
Concentration per Run 2	0.0022 ppm	78.2786 %	79.2774 %	82.4528 %	78.2414 %	76.8179 %	78.5733 %
Concentration per Run 3	0.0021 ppm	77.7388 %	79.1598 %	82.4912 %	78.3193 %	76.8355 %	78.5651 %
Concentration RSD	2.8 %	0.4 %	0.2 %	0.2 %	0.2 %	0.2 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: eL2559350-04 WG2118612
 Analysis started at: 9/25/2025 11:20:54 PM
 Comments: <Comment>
 Rack: 1
 Vial: 36

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0034 ppm	0.0156 ppm	-0.0004 ppm	0.0157 ppm	0.0006 ppm	0.0000 ppm	0.4802 ppm
Concentration per Run 1	0.0030 ppm	0.0158 ppm	-0.0015 ppm	0.0155 ppm	0.0007 ppm	0.0000 ppm	0.4644 ppm
Concentration per Run 2	0.0037 ppm	0.0274 ppm	0.0003 ppm	0.0161 ppm	0.0007 ppm	0.0001 ppm	0.4936 ppm
Concentration per Run 3	0.0034 ppm	0.0034 ppm	-0.0001 ppm	0.0156 ppm	0.0005 ppm	0.0000 ppm	0.4827 ppm
Concentration RSD	11.0 %	77.1 %	221.3 %	2.2 %	15.0 %	809.9 %	3.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.5154 ppm	0.0015 ppm	0.0061 ppm	5.3538 ppm	0.0093 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.5168 ppm	0.0015 ppm	0.0084 ppm	5.2124 ppm	0.0084 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.5153 ppm	0.0015 ppm	0.0051 ppm	5.4101 ppm	0.0094 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.5143 ppm	0.0015 ppm	0.0047 ppm	5.4389 ppm	0.0102 ppm
Concentration RSD	52.3 %	112.5 %	0.2 %	2.8 %	33.5 %	2.3 %	9.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0746 ppm	0.0037 ppm	0.0035 ppm	1,187.5494 [SIC 500]	0.0032 ppm	-0.0009 ppm	-0.0024 ppm
Concentration per Run 1	0.0728 ppm	0.0031 ppm	0.0034 ppm	1,207.3617 ppm	0.0032 ppm	-0.0016 ppm	-0.0027 ppm
Concentration per Run 2	0.0746 ppm	0.0044 ppm	0.0036 ppm	1,153.3144 ppm	0.0031 ppm	-0.0004 ppm	-0.0022 ppm
Concentration per Run 3	0.0764 ppm	0.0037 ppm	0.0035 ppm	1,201.9720 ppm	0.0033 ppm	-0.0005 ppm	-0.0022 ppm
Concentration RSD	2.4 %	17.0 %	2.5 %	2.5 %	2.5 %	77.0 %	10.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	0.0339 ppm	0.0006 ppm	0.0025 ppm	-0.0005 ppm	-0.0015 ppm	0.0846 ppm
Concentration per Run 1	0.0015 ppm	0.0343 ppm	0.0008 ppm	0.0024 ppm	-0.0004 ppm	-0.0003 ppm	0.0846 ppm
Concentration per Run 2	0.0008 ppm	0.0340 ppm	0.0003 ppm	0.0025 ppm	-0.0005 ppm	-0.0026 ppm	0.0848 ppm
Concentration per Run 3	0.0010 ppm	0.0335 ppm	0.0007 ppm	0.0025 ppm	-0.0007 ppm	-0.0017 ppm	0.0842 ppm
Concentration RSD	32.9 %	1.1 %	40.0 %	2.5 %	30.7 %	73.1 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0022 ppm	75.1217 %	77.9112 %	82.1128 %	75.4943 %	76.7139 %	77.6888 %
Concentration per Run 1	0.0023 ppm	75.3866 %	77.9524 %	82.3540 %	75.8373 %	76.8807 %	77.6738 %
Concentration per Run 2	0.0022 ppm	75.6174 %	77.8463 %	81.9702 %	76.3082 %	76.5222 %	77.6352 %
Concentration per Run 3	0.0022 ppm	74.3611 %	77.9350 %	82.0141 %	74.3374 %	76.7387 %	77.7574 %
Concentration RSD	2.2 %	0.9 %	0.1 %	0.3 %	1.4 %	0.2 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2559350-05 WG2118612
 Analysis started at: 9/25/2025 11:26:20 PM
 Comments: <Comment>
 Rack: 1
 Vial: 37

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.1542 ppm	0.0018 ppm	0.0001 ppm	0.0259 ppm	0.0008 ppm	0.0000 ppm	0.1928 ppm
Concentration per Run 1	0.1536 ppm	0.0188 ppm	-0.0011 ppm	0.0257 ppm	0.0008 ppm	-0.0001 ppm	0.1864 ppm
Concentration per Run 2	0.1544 ppm	-0.0013 ppm	0.0008 ppm	0.0264 ppm	0.0009 ppm	0.0000 ppm	0.1944 ppm
Concentration per Run 3	0.1547 ppm	-0.0122 ppm	0.0007 ppm	0.0257 ppm	0.0007 ppm	0.0000 ppm	0.1977 ppm
Concentration RSD	0.3 %	883.5 %	731.2 %	1.5 %	16.4 %	141.5 %	3.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0008 ppm	0.1117 ppm	0.1547 ppm	0.0039 ppm	10.3491 ppm	0.0196 ppm
Concentration per Run 1	-0.0001 ppm	0.0008 ppm	0.1110 ppm	0.1545 ppm	0.0036 ppm	10.0983 ppm	0.0188 ppm
Concentration per Run 2	0.0000 ppm	0.0007 ppm	0.1117 ppm	0.1558 ppm	0.0050 ppm	10.3961 ppm	0.0201 ppm
Concentration per Run 3	0.0000 ppm	0.0009 ppm	0.1123 ppm	0.1538 ppm	0.0031 ppm	10.5527 ppm	0.0199 ppm
Concentration RSD	35.9 %	13.1 %	0.6 %	0.6 %	26.0 %	2.2 %	3.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1965 ppm	-0.0003 ppm	0.0525 ppm	1,332.5045 [SIC 500]	0.0229 ppm	-0.0012 ppm	-0.0004 ppm
Concentration per Run 1	0.1922 ppm	-0.0006 ppm	0.0525 ppm	1,369.9866 ppm	0.0230 ppm	-0.0009 ppm	-0.0002 ppm
Concentration per Run 2	0.1960 ppm	0.0004 ppm	0.0528 ppm	1,307.3118 ppm	0.0228 ppm	-0.0009 ppm	-0.0007 ppm
Concentration per Run 3	0.2012 ppm	-0.0007 ppm	0.0521 ppm	1,320.2151 ppm	0.0229 ppm	-0.0019 ppm	-0.0004 ppm
Concentration RSD	2.3 %	193.1 %	0.7 %	2.5 %	0.5 %	49.5 %	58.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0019 ppm	0.0250 ppm	0.0003 ppm	0.0019 ppm	-0.0007 ppm	-0.0028 ppm	0.0010 ppm
Concentration per Run 1	-0.0012 ppm	0.0258 ppm	0.0002 ppm	0.0019 ppm	-0.0007 ppm	-0.0021 ppm	0.0005 ppm
Concentration per Run 2	-0.0039 ppm	0.0248 ppm	0.0004 ppm	0.0019 ppm	-0.0006 ppm	-0.0035 ppm	0.0011 ppm
Concentration per Run 3	-0.0007 ppm	0.0244 ppm	0.0004 ppm	0.0019 ppm	-0.0007 ppm	-0.0027 ppm	0.0013 ppm
Concentration RSD	91.6 %	2.8 %	27.7 %	1.1 %	8.1 %	24.9 %	40.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0022 ppm	73.9826 %	72.3958 %	75.9871 %	74.1225 %	69.9639 %	71.6416 %
Concentration per Run 1	0.0022 ppm	74.2458 %	72.1183 %	76.2933 %	74.5328 %	70.0299 %	71.3891 %
Concentration per Run 2	0.0022 ppm	73.9994 %	72.1979 %	76.0656 %	73.8461 %	69.8847 %	71.4127 %
Concentration per Run 3	0.0023 ppm	73.7025 %	72.8712 %	75.6026 %	73.9885 %	69.9771 %	72.1229 %
Concentration RSD	2.6 %	0.4 %	0.6 %	0.5 %	0.5 %	0.1 %	0.6 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2559350-06 WG2118612
 Analysis started at: 9/25/2025 11:31:46 PM
 Comments: <Comment>
 Rack: 1
 Vial: 38

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0554 ppm	0.0145 ppm	0.0011 ppm	0.0386 ppm	0.0006 ppm	-0.0001 ppm	0.0243 ppm
Concentration per Run 1	0.0555 ppm	0.0155 ppm	0.0000 ppm	0.0376 ppm	0.0006 ppm	0.0000 ppm	0.0209 ppm
Concentration per Run 2	0.0553 ppm	0.0024 ppm	0.0013 ppm	0.0388 ppm	0.0006 ppm	-0.0001 ppm	0.0204 ppm
Concentration per Run 3	0.0554 ppm	0.0256 ppm	0.0021 ppm	0.0394 ppm	0.0006 ppm	-0.0001 ppm	0.0315 ppm
Concentration RSD	0.2 %	80.2 %	96.7 %	2.4 %	6.0 %	69.4 %	26.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0031 ppm	0.0718 ppm	0.1305 ppm	0.0135 ppm	9.6528 ppm	0.0295 ppm
Concentration per Run 1	0.0000 ppm	0.0030 ppm	0.0710 ppm	0.1310 ppm	0.0141 ppm	9.4618 ppm	0.0279 ppm
Concentration per Run 2	0.0000 ppm	0.0032 ppm	0.0713 ppm	0.1314 ppm	0.0118 ppm	9.7307 ppm	0.0299 ppm
Concentration per Run 3	-0.0001 ppm	0.0031 ppm	0.0729 ppm	0.1291 ppm	0.0145 ppm	9.7659 ppm	0.0308 ppm
Concentration RSD	133.7 %	3.9 %	1.4 %	1.0 %	10.7 %	1.7 %	5.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0082 ppm	0.0002 ppm	0.1260 ppm	1,263.3831 [SIC 500]	1.1793 ppm	-0.0005 ppm	-0.0038 ppm
Concentration per Run 1	0.0073 ppm	0.0008 ppm	0.1263 ppm	1,290.5797 ppm	1.1844 ppm	-0.0007 ppm	-0.0045 ppm
Concentration per Run 2	0.0087 ppm	0.0000 ppm	0.1258 ppm	1,253.8190 ppm	1.1781 ppm	-0.0010 ppm	-0.0030 ppm
Concentration per Run 3	0.0087 ppm	-0.0002 ppm	0.1257 ppm	1,245.7506 ppm	1.1754 ppm	0.0000 ppm	-0.0039 ppm
Concentration RSD	10.2 %	275.6 %	0.3 %	1.9 %	0.4 %	92.6 %	19.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	2.6439 ppm	0.0003 ppm	0.0002 ppm	0.1301 ppm	-0.0010 ppm	0.0022 ppm
Concentration per Run 1	0.0018 ppm	2.5552 ppm	0.0005 ppm	0.0001 ppm	0.1298 ppm	-0.0020 ppm	0.0021 ppm
Concentration per Run 2	0.0014 ppm	2.6430 ppm	0.0002 ppm	0.0001 ppm	0.1300 ppm	-0.0003 ppm	0.0022 ppm
Concentration per Run 3	-0.0014 ppm	2.7334 ppm	0.0003 ppm	0.0004 ppm	0.1305 ppm	-0.0006 ppm	0.0023 ppm
Concentration RSD	279.3 %	3.4 %	41.4 %	75.6 %	0.3 %	92.8 %	5.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	76.0728 %	73.7985 %	76.2427 %	76.4685 %	70.6218 %	73.2820 %
Concentration per Run 1	0.0005 ppm	76.0336 %	73.8911 %	76.0271 %	76.8237 %	70.4429 %	73.2866 %
Concentration per Run 2	0.0006 ppm	76.3545 %	73.9384 %	76.2263 %	76.4911 %	70.7227 %	73.4371 %
Concentration per Run 3	0.0006 ppm	75.8304 %	73.5659 %	76.4748 %	76.0908 %	70.6999 %	73.1223 %
Concentration RSD	8.5 %	0.3 %	0.3 %	0.3 %	0.5 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCV
 Analysis started at: 9/26/2025 12:02:17 AM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4879 ppm	0.4809 ppm	0.4585 ppm	0.4558 ppm	0.4946 ppm	0.5076 ppm	0.5290 ppm
Concentration per Run 1	0.4881 ppm	0.4687 ppm	0.4558 ppm	0.4563 ppm	0.4856 ppm	0.4980 ppm	0.5166 ppm
Concentration per Run 2	0.4875 ppm	0.4851 ppm	0.4609 ppm	0.4566 ppm	0.4991 ppm	0.5137 ppm	0.5256 ppm
Concentration per Run 3	0.4882 ppm	0.4890 ppm	0.4588 ppm	0.4545 ppm	0.4990 ppm	0.5112 ppm	0.5447 ppm
Recovery Percentage 1	97.588 %	96.184 %	91.699 %	91.164 %	98.911 %	101.523 %	105.790 %
Concentration RSD	0.1 %	2.2 %	0.6 %	0.3 %	1.6 %	1.7 %	2.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4988 ppm	0.4870 ppm	0.5434 ppm	0.4742 ppm	0.5144 ppm	5.7497 ppm	0.5227 ppm
Concentration per Run 1	0.4988 ppm	0.4872 ppm	0.5433 ppm	0.4742 ppm	0.5092 ppm	5.6824 ppm	0.5151 ppm
Concentration per Run 2	0.4993 ppm	0.4877 ppm	0.5440 ppm	0.4740 ppm	0.5207 ppm	5.7872 ppm	0.5282 ppm
Concentration per Run 3	0.4984 ppm	0.4861 ppm	0.5428 ppm	0.4745 ppm	0.5132 ppm	5.7795 ppm	0.5248 ppm
Recovery Percentage 1	99.767 %	97.402 %	108.670 %	94.850 %	102.870 %	114.995 %	104.536 %
Concentration RSD	0.1 %	0.2 %	0.1 %	0.1 %	1.1 %	1.0 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5307 ppm	0.5110 ppm	0.4689 ppm	11.1238 ppm	0.4883 ppm	0.4927 ppm	0.4718 ppm
Concentration per Run 1	0.5320 ppm	0.5026 ppm	0.4684 ppm	10.9197 ppm	0.4882 ppm	0.4937 ppm	0.4707 ppm
Concentration per Run 2	0.5288 ppm	0.5143 ppm	0.4700 ppm	11.2181 ppm	0.4889 ppm	0.4937 ppm	0.4738 ppm
Concentration per Run 3	0.5313 ppm	0.5162 ppm	0.4684 ppm	11.2337 ppm	0.4877 ppm	0.4908 ppm	0.4711 ppm
Recovery Percentage 1	106.137 %	102.208 %	93.784 %	111.238 %	97.654 %	98.546 %	94.369 %
Concentration RSD	0.3 %	1.4 %	0.2 %	1.6 %	0.1 %	0.3 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4663 ppm	4.6374 ppm	0.4820 ppm	0.4979 ppm	0.5069 ppm	0.4837 ppm	0.5183 ppm
Concentration per Run 1	0.4656 ppm	4.6374 ppm	0.4829 ppm	0.4891 ppm	0.5063 ppm	0.4828 ppm	0.5173 ppm
Concentration per Run 2	0.4667 ppm	4.6477 ppm	0.4822 ppm	0.5031 ppm	0.5075 ppm	0.4848 ppm	0.5189 ppm
Concentration per Run 3	0.4667 ppm	4.6271 ppm	0.4809 ppm	0.5014 ppm	0.5069 ppm	0.4834 ppm	0.5188 ppm
Recovery Percentage 1	93.262 %	88.331 %	96.394 %	99.571 %	101.374 %	96.732 %	103.662 %
Concentration RSD	0.1 %	0.2 %	0.2 %	1.5 %	0.1 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5058 ppm	78.5034 %	94.9499 %	95.6102 %	78.4461 %	97.3738 %	95.5264 %
Concentration per Run 1	0.5058 ppm	78.8089 %	94.9850 %	95.7817 %	78.9567 %	97.5374 %	95.6020 %
Concentration per Run 2	0.5063 ppm	78.6375 %	94.9864 %	95.6280 %	78.2446 %	97.2519 %	95.6031 %
Concentration per Run 3	0.5051 ppm	78.0638 %	94.8781 %	95.4210 %	78.1369 %	97.3322 %	95.3741 %
Recovery Percentage 1	101.150 %						
Concentration RSD	0.1 %	0.5 %	0.1 %	0.2 %	0.6 %	0.2 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCB
 Analysis started at: 9/26/2025 12:07:21 AM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	-0.0082 ppm	0.0003 ppm	0.0005 ppm	0.0003 ppm	0.0001 ppm	0.0093 ppm
Concentration per Run 1	-0.0004 ppm	-0.0162 ppm	0.0005 ppm	0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0075 ppm
Concentration per Run 2	-0.0002 ppm	0.0050 ppm	-0.0009 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 3	-0.0003 ppm	-0.0135 ppm	0.0013 ppm	0.0008 ppm	0.0004 ppm	0.0001 ppm	0.0176 ppm
Recovery Percentage 1	-5.998 %	-8.237 %	6.362 %	1.690 %	3.214 %	1.629 %	9.251 %
Concentration RSD	43.7 %	139.8 %	355.8 %	42.8 %	31.4 %	58.5 %	81.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0004 ppm	0.0010 ppm	0.2059 ppm	0.0008 ppm
Concentration per Run 1	0.0001 ppm	0.0003 ppm	0.0001 ppm	-0.0004 ppm	0.0032 ppm	0.1934 ppm	0.0004 ppm
Concentration per Run 2	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0005 ppm	0.0020 ppm	0.2006 ppm	0.0018 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0002 ppm	-0.0022 ppm	0.2237 ppm	0.0001 ppm
Recovery Percentage 1	1.410 %	2.429 %	0.505 %	-3.664 %	2.046 %	8.235 %	7.838 %
Concentration RSD	54.3 %	7.9 %	159.2 %	46.5 %	274.8 %	7.7 %	116.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0020 ppm	0.0000 ppm	0.0004 ppm	1.0927 ppm	-0.0001 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 1	0.0033 ppm	-0.0003 ppm	0.0006 ppm	1.0117 ppm	-0.0003 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 2	0.0013 ppm	-0.0001 ppm	0.0003 ppm	1.0990 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 3	0.0014 ppm	0.0005 ppm	0.0002 ppm	1.1673 ppm	-0.0001 ppm	0.0004 ppm	-0.0004 ppm
Recovery Percentage 1	2.010 %	0.459 %	0.715 %	54.635 %	-0.447 %	0.954 %	-0.221 %
Concentration RSD	56.8 %	861.1 %	70.7 %	7.1 %	158.9 %	414.6 %	256.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	-0.0121 ppm	0.0001 ppm	0.0000 ppm	-0.0003 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 1	-0.0005 ppm	-0.0116 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0010 ppm	0.0001 ppm
Concentration per Run 2	0.0005 ppm	-0.0124 ppm	0.0001 ppm	0.0000 ppm	-0.0005 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run 3	-0.0015 ppm	-0.0121 ppm	0.0002 ppm	-0.0001 ppm	-0.0002 ppm	-0.0004 ppm	0.0003 ppm
Recovery Percentage 1	-5.006 %	-2.411 %	0.292 %	-0.288 %	-2.524 %	-3.349 %	1.874 %
Concentration RSD	198.4 %	3.4 %	15.9 %	215.8 %	84.2 %	45.6 %	64.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0011 ppm	78.1161 %	95.0382 %	95.0074 %	77.3998 %	94.5640 %	93.9809 %
Concentration per Run 1	0.0012 ppm	78.2837 %	95.2659 %	94.8669 %	77.4811 %	94.4876 %	94.1952 %
Concentration per Run 2	0.0011 ppm	78.1056 %	94.8576 %	94.8561 %	77.3927 %	94.4417 %	93.8021 %
Concentration per Run 3	0.0011 ppm	77.9591 %	94.9910 %	95.2991 %	77.3256 %	94.7626 %	93.9454 %
Recovery Percentage 1	22.107 %						
Concentration RSD	5.7 %	0.2 %	0.2 %	0.3 %	0.1 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCV
 Analysis started at: 9/26/2025 12:12:45 AM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4875 ppm	0.4975 ppm	0.4544 ppm	0.4520 ppm	0.4925 ppm	0.5075 ppm	0.5331 ppm
Concentration per Run 1	0.4866 ppm	0.4890 ppm	0.4534 ppm	0.4514 ppm	0.4841 ppm	0.4984 ppm	0.5267 ppm
Concentration per Run 2	0.4877 ppm	0.5021 ppm	0.4551 ppm	0.4525 ppm	0.4963 ppm	0.5109 ppm	0.5362 ppm
Concentration per Run 3	0.4883 ppm	0.5014 ppm	0.4546 ppm	0.4522 ppm	0.4970 ppm	0.5132 ppm	0.5363 ppm
Recovery Percentage 1	97.507 %	99.500 %	90.874 %	90.405 %	98.497 %	101.496 %	106.612 %
Concentration RSD	0.2 %	1.5 %	0.2 %	0.1 %	1.5 %	1.6 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4966 ppm	0.4845 ppm	0.5399 ppm	0.4752 ppm	0.5253 ppm	5.6764 ppm	0.5167 ppm
Concentration per Run 1	0.4967 ppm	0.4842 ppm	0.5398 ppm	0.4737 ppm	0.5183 ppm	5.6029 ppm	0.5078 ppm
Concentration per Run 2	0.4967 ppm	0.4848 ppm	0.5399 ppm	0.4751 ppm	0.5265 ppm	5.7008 ppm	0.5223 ppm
Concentration per Run 3	0.4965 ppm	0.4845 ppm	0.5400 ppm	0.4768 ppm	0.5309 ppm	5.7257 ppm	0.5199 ppm
Recovery Percentage 1	99.328 %	96.895 %	107.984 %	95.038 %	105.055 %	113.529 %	103.332 %
Concentration RSD	0.0 %	0.1 %	0.0 %	0.3 %	1.2 %	1.1 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5197 ppm	0.5154 ppm	0.4684 ppm	10.9905 ppm	0.4810 ppm	0.4885 ppm	0.4688 ppm
Concentration per Run 1	0.5215 ppm	0.5064 ppm	0.4674 ppm	10.7771 ppm	0.4805 ppm	0.4897 ppm	0.4689 ppm
Concentration per Run 2	0.5211 ppm	0.5194 ppm	0.4686 ppm	11.0945 ppm	0.4808 ppm	0.4885 ppm	0.4696 ppm
Concentration per Run 3	0.5165 ppm	0.5203 ppm	0.4692 ppm	11.1000 ppm	0.4817 ppm	0.4874 ppm	0.4679 ppm
Recovery Percentage 1	103.938 %	103.071 %	93.682 %	109.905 %	96.206 %	97.704 %	93.754 %
Concentration RSD	0.5 %	1.5 %	0.2 %	1.7 %	0.1 %	0.2 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4645 ppm	4.5993 ppm	0.4746 ppm	0.4973 ppm	0.5060 ppm	0.4807 ppm	0.5113 ppm
Concentration per Run 1	0.4639 ppm	4.5911 ppm	0.4745 ppm	0.4889 ppm	0.5051 ppm	0.4797 ppm	0.5115 ppm
Concentration per Run 2	0.4644 ppm	4.6014 ppm	0.4747 ppm	0.5012 ppm	0.5067 ppm	0.4808 ppm	0.5107 ppm
Concentration per Run 3	0.4653 ppm	4.6053 ppm	0.4747 ppm	0.5018 ppm	0.5062 ppm	0.4816 ppm	0.5117 ppm
Recovery Percentage 1	92.909 %	87.605 %	94.929 %	99.459 %	101.200 %	96.142 %	102.263 %
Concentration RSD	0.1 %	0.2 %	0.0 %	1.5 %	0.2 %	0.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4987 ppm	77.9223 %	94.9863 %	95.3899 %	78.1262 %	96.7344 %	95.1083 %
Concentration per Run 1	0.4992 ppm	78.4418 %	95.3523 %	95.2544 %	78.9853 %	96.8087 %	95.4973 %
Concentration per Run 2	0.4989 ppm	77.9693 %	94.5249 %	95.3651 %	77.9332 %	96.7207 %	94.7497 %
Concentration per Run 3	0.4979 ppm	77.3558 %	95.0816 %	95.5501 %	77.4602 %	96.6739 %	95.0779 %
Recovery Percentage 1	99.739 %						
Concentration RSD	0.1 %	0.7 %	0.4 %	0.2 %	1.0 %	0.1 %	0.4 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCB
 Analysis started at: 9/26/2025 12:17:50 AM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0006 ppm	-0.0172 ppm	-0.0002 ppm	0.0006 ppm	0.0004 ppm	0.0000 ppm	0.0045 ppm
Concentration per Run 1	-0.0004 ppm	-0.0140 ppm	0.0007 ppm	0.0008 ppm	0.0006 ppm	0.0000 ppm	0.0041 ppm
Concentration per Run 2	-0.0008 ppm	-0.0258 ppm	-0.0006 ppm	0.0006 ppm	0.0003 ppm	0.0000 ppm	0.0047 ppm
Concentration per Run 3	-0.0005 ppm	-0.0119 ppm	-0.0005 ppm	0.0005 ppm	0.0003 ppm	0.0000 ppm	0.0047 ppm
Recovery Percentage 1	-12.096 %	-17.209 %	-3.124 %	2.151 %	3.854 %	0.584 %	4.486 %
Concentration RSD	33.0 %	43.5 %	456.1 %	27.6 %	41.5 %	56.9 %	7.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0005 ppm	0.0032 ppm	0.1553 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	-0.0004 ppm	-0.0006 ppm	0.0037 ppm	0.1440 ppm	-0.0001 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0024 ppm	0.1557 ppm	0.0004 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0004 ppm	0.0034 ppm	0.1660 ppm	0.0008 ppm
Recovery Percentage 1	1.872 %	1.078 %	-2.251 %	-4.705 %	6.325 %	6.211 %	3.642 %
Concentration RSD	34.8 %	87.5 %	81.7 %	22.5 %	21.4 %	7.1 %	126.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0023 ppm	0.0002 ppm	0.0003 ppm	0.8544 ppm	-0.0001 ppm	-0.0005 ppm	-0.0007 ppm
Concentration per Run 1	0.0023 ppm	0.0000 ppm	0.0004 ppm	0.7861 ppm	-0.0002 ppm	-0.0003 ppm	-0.0016 ppm
Concentration per Run 2	0.0012 ppm	0.0007 ppm	0.0004 ppm	0.8683 ppm	-0.0002 ppm	-0.0011 ppm	-0.0007 ppm
Concentration per Run 3	0.0033 ppm	0.0000 ppm	0.0002 ppm	0.9088 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm
Recovery Percentage 1	2.259 %	2.351 %	0.664 %	42.721 %	-0.468 %	-4.571 %	-1.460 %
Concentration RSD	46.1 %	188.1 %	22.4 %	7.3 %	96.7 %	132.5 %	113.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0001 ppm	-0.0118 ppm	0.0001 ppm	0.0000 ppm	-0.0004 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 1	-0.0010 ppm	-0.0114 ppm	-0.0002 ppm	0.0001 ppm	-0.0005 ppm	-0.0011 ppm	0.0000 ppm
Concentration per Run 2	0.0001 ppm	-0.0128 ppm	0.0002 ppm	-0.0001 ppm	-0.0004 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 3	0.0005 ppm	-0.0112 ppm	0.0003 ppm	0.0001 ppm	-0.0004 ppm	0.0000 ppm	0.0002 ppm
Recovery Percentage 1	-1.358 %	-2.357 %	0.147 %	0.374 %	-4.246 %	-2.820 %	1.416 %
Concentration RSD	590.4 %	7.2 %	383.5 %	356.3 %	14.3 %	96.9 %	79.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	76.3282 %	94.4690 %	94.8589 %	75.5205 %	94.2894 %	93.2498 %
Concentration per Run 1	0.0010 ppm	76.6136 %	94.2992 %	94.7750 %	75.4933 %	94.1704 %	93.1371 %
Concentration per Run 2	0.0010 ppm	76.1409 %	94.6595 %	94.5542 %	75.6503 %	94.2342 %	93.4184 %
Concentration per Run 3	0.0010 ppm	76.2301 %	94.4484 %	95.2476 %	75.4180 %	94.4635 %	93.1938 %
Recovery Percentage 1	20.546 %						
Concentration RSD	3.0 %	0.3 %	0.2 %	0.4 %	0.2 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: eL2559350-01d5 WG2118612
 Analysis started at: 9/26/2025 12:23:15 AM
 Comments: <Comment>
 Rack: 1
 Vial: 49

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0108 ppm	-0.0046 ppm	0.0014 ppm	0.0074 ppm	0.0005 ppm	0.0000 ppm	0.0153 ppm
Concentration per Run 1	0.0109 ppm	0.0046 ppm	0.0013 ppm	0.0074 ppm	0.0006 ppm	0.0000 ppm	0.0192 ppm
Concentration per Run 2	0.0107 ppm	-0.0251 ppm	0.0015 ppm	0.0071 ppm	0.0004 ppm	0.0001 ppm	0.0111 ppm
Concentration per Run 3	0.0107 ppm	0.0067 ppm	0.0015 ppm	0.0076 ppm	0.0005 ppm	0.0000 ppm	0.0156 ppm
Concentration RSD	1.1 %	385.4 %	8.0 %	3.6 %	22.6 %	275.7 %	26.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0006 ppm	0.0133 ppm	0.0168 ppm	0.0022 ppm	1.5338 ppm	0.0051 ppm
Concentration per Run 1	0.0000 ppm	0.0006 ppm	0.0133 ppm	0.0167 ppm	0.0035 ppm	1.4849 ppm	0.0053 ppm
Concentration per Run 2	0.0000 ppm	0.0007 ppm	0.0132 ppm	0.0168 ppm	0.0015 ppm	1.5491 ppm	0.0062 ppm
Concentration per Run 3	0.0000 ppm	0.0007 ppm	0.0133 ppm	0.0169 ppm	0.0017 ppm	1.5676 ppm	0.0039 ppm
Concentration RSD	38.7 %	11.7 %	0.2 %	0.5 %	48.7 %	2.8 %	21.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0037 ppm	-0.0006 ppm	0.0237 ppm	783.7055 [SIC 500]	0.2249 ppm	-0.0002 ppm	-0.0013 ppm
Concentration per Run 1	0.0010 ppm	0.0001 ppm	0.0237 ppm	783.5227 ppm	0.2244 ppm	-0.0002 ppm	-0.0010 ppm
Concentration per Run 2	0.0045 ppm	-0.0006 ppm	0.0237 ppm	790.2554 ppm	0.2250 ppm	0.0003 ppm	-0.0020 ppm
Concentration per Run 3	0.0055 ppm	-0.0013 ppm	0.0237 ppm	777.3383 ppm	0.2254 ppm	-0.0008 ppm	-0.0009 ppm
Concentration RSD	63.7 %	114.8 %	0.1 %	0.8 %	0.2 %	226.5 %	46.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0006 ppm	0.0937 ppm	0.0003 ppm	-0.0001 ppm	0.0285 ppm	-0.0004 ppm	0.0004 ppm
Concentration per Run 1	-0.0012 ppm	0.0897 ppm	0.0001 ppm	0.0000 ppm	0.0283 ppm	-0.0004 ppm	0.0005 ppm
Concentration per Run 2	-0.0009 ppm	0.0952 ppm	0.0003 ppm	-0.0001 ppm	0.0284 ppm	0.0002 ppm	0.0005 ppm
Concentration per Run 3	0.0005 ppm	0.0963 ppm	0.0006 ppm	0.0000 ppm	0.0287 ppm	-0.0010 ppm	0.0002 ppm
Concentration RSD	164.1 %	3.8 %	69.7 %	169.0 %	0.7 %	147.4 %	40.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0011 ppm	72.4043 %	85.2488 %	87.4247 %	73.0242 %	84.3899 %	85.3250 %
Concentration per Run 1	0.0011 ppm	72.9105 %	86.0395 %	87.1681 %	73.6344 %	84.3256 %	86.0524 %
Concentration per Run 2	0.0011 ppm	71.9671 %	85.3170 %	87.3613 %	72.6312 %	84.3548 %	85.4104 %
Concentration per Run 3	0.0012 ppm	72.3354 %	84.3898 %	87.7448 %	72.8071 %	84.4893 %	84.5123 %
Concentration RSD	7.1 %	0.7 %	1.0 %	0.3 %	0.7 %	0.1 %	0.9 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: eWG2118612-3d5 WG2118612
 Analysis started at: 9/26/2025 12:28:39 AM
 Comments: <Comment>
 Rack: 1
 Vial: 50

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0216 ppm	0.4501 ppm	0.0261 ppm	0.2027 ppm	0.4023 ppm	0.0106 ppm	2.2699 ppm
Concentration per Run 1	0.0215 ppm	0.4317 ppm	0.0253 ppm	0.2035 ppm	0.3982 ppm	0.0104 ppm	2.2578 ppm
Concentration per Run 2	0.0217 ppm	0.4597 ppm	0.0262 ppm	0.2023 ppm	0.4029 ppm	0.0107 ppm	2.2696 ppm
Concentration per Run 3	0.0217 ppm	0.4589 ppm	0.0268 ppm	0.2024 ppm	0.4057 ppm	0.0106 ppm	2.2822 ppm
Concentration RSD	0.4 %	3.5 %	3.0 %	0.3 %	0.9 %	1.4 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0115 ppm	0.1008 ppm	0.0570 ppm	0.0678 ppm	0.2383 ppm	4.0834 ppm	0.0058 ppm
Concentration per Run 1	0.0115 ppm	0.1009 ppm	0.0574 ppm	0.0676 ppm	0.2379 ppm	4.0415 ppm	0.0055 ppm
Concentration per Run 2	0.0115 ppm	0.1005 ppm	0.0570 ppm	0.0678 ppm	0.2383 ppm	4.0976 ppm	0.0057 ppm
Concentration per Run 3	0.0115 ppm	0.1008 ppm	0.0566 ppm	0.0681 ppm	0.2387 ppm	4.1111 ppm	0.0062 ppm
Concentration RSD	0.0 %	0.2 %	0.7 %	0.4 %	0.2 %	0.9 %	6.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.0126 ppm	0.1099 ppm	0.2272 ppm	778.7744 [SIC 500]	0.3291 ppm	0.1058 ppm	0.1025 ppm
Concentration per Run 1	2.0190 ppm	0.1094 ppm	0.2272 ppm	775.2631 ppm	0.3291 ppm	0.1071 ppm	0.1016 ppm
Concentration per Run 2	2.0135 ppm	0.1103 ppm	0.2269 ppm	780.5625 ppm	0.3288 ppm	0.1056 ppm	0.1023 ppm
Concentration per Run 3	2.0053 ppm	0.1099 ppm	0.2276 ppm	780.4975 ppm	0.3293 ppm	0.1049 ppm	0.1035 ppm
Concentration RSD	0.3 %	0.4 %	0.1 %	0.4 %	0.1 %	1.1 %	1.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0254 ppm	0.3710 ppm	0.1979 ppm	0.1972 ppm	0.2373 ppm	0.0217 ppm	0.1070 ppm
Concentration per Run 1	0.0260 ppm	0.3642 ppm	0.1977 ppm	0.1950 ppm	0.2374 ppm	0.0215 ppm	0.1071 ppm
Concentration per Run 2	0.0255 ppm	0.3722 ppm	0.1985 ppm	0.1974 ppm	0.2373 ppm	0.0225 ppm	0.1064 ppm
Concentration per Run 3	0.0247 ppm	0.3765 ppm	0.1974 ppm	0.1992 ppm	0.2372 ppm	0.0212 ppm	0.1075 ppm
Concentration RSD	2.6 %	1.7 %	0.3 %	1.1 %	0.0 %	3.0 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1113 ppm	73.2229 %	85.5515 %	87.7208 %	73.7351 %	84.5613 %	85.6212 %
Concentration per Run 1	0.1114 ppm	72.9832 %	85.5813 %	87.7499 %	73.5130 %	84.5384 %	85.7446 %
Concentration per Run 2	0.1116 ppm	72.9980 %	85.4591 %	87.6546 %	73.7310 %	84.5590 %	85.4966 %
Concentration per Run 3	0.1108 ppm	73.6877 %	85.6142 %	87.7581 %	73.9612 %	84.5864 %	85.6224 %
Concentration RSD	0.4 %	0.5 %	0.1 %	0.1 %	0.3 %	0.0 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: eWG2118612-4d5 WG2118612
 Analysis started at: 9/26/2025 12:33:56 AM
 Comments: <Comment>
 Rack: 1
 Vial: 51

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0113 ppm	0.0043 ppm	0.0008 ppm	0.0075 ppm	0.0003 ppm	0.0000 ppm	0.0118 ppm
Concentration per Run 1	0.0113 ppm	0.0095 ppm	-0.0003 ppm	0.0074 ppm	0.0004 ppm	0.0000 ppm	0.0115 ppm
Concentration per Run 2	0.0109 ppm	0.0085 ppm	0.0019 ppm	0.0072 ppm	0.0005 ppm	0.0000 ppm	0.0074 ppm
Concentration per Run 3	0.0116 ppm	-0.0050 ppm	0.0008 ppm	0.0078 ppm	0.0002 ppm	0.0001 ppm	0.0166 ppm
Concentration RSD	3.0 %	186.0 %	133.7 %	4.3 %	47.0 %	67.4 %	38.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0008 ppm	0.0131 ppm	0.0176 ppm	0.0045 ppm	1.6209 ppm	0.0053 ppm
Concentration per Run 1	0.0000 ppm	0.0009 ppm	0.0133 ppm	0.0177 ppm	0.0021 ppm	1.5818 ppm	0.0049 ppm
Concentration per Run 2	0.0000 ppm	0.0008 ppm	0.0128 ppm	0.0174 ppm	0.0074 ppm	1.6166 ppm	0.0054 ppm
Concentration per Run 3	0.0000 ppm	0.0008 ppm	0.0133 ppm	0.0177 ppm	0.0040 ppm	1.6644 ppm	0.0057 ppm
Concentration RSD	2,904.4 %	7.2 %	2.3 %	1.0 %	59.6 %	2.6 %	8.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0024 ppm	0.0004 ppm	0.0241 ppm	746.3284 [SIC 500]	0.2266 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run 1	0.0032 ppm	0.0003 ppm	0.0241 ppm	741.0461 ppm	0.2269 ppm	0.0001 ppm	-0.0009 ppm
Concentration per Run 2	0.0034 ppm	-0.0003 ppm	0.0239 ppm	756.0121 ppm	0.2258 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 3	0.0005 ppm	0.0011 ppm	0.0244 ppm	741.9270 ppm	0.2271 ppm	0.0002 ppm	-0.0021 ppm
Concentration RSD	70.1 %	174.2 %	1.1 %	1.1 %	0.3 %	39,571.4 %	124.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	0.1036 ppm	0.0002 ppm	-0.0001 ppm	0.0285 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run 1	0.0016 ppm	0.0989 ppm	0.0000 ppm	-0.0001 ppm	0.0286 ppm	-0.0002 ppm	0.0003 ppm
Concentration per Run 2	0.0003 ppm	0.1041 ppm	0.0005 ppm	0.0001 ppm	0.0284 ppm	-0.0009 ppm	0.0004 ppm
Concentration per Run 3	0.0015 ppm	0.1079 ppm	0.0001 ppm	-0.0002 ppm	0.0285 ppm	0.0007 ppm	0.0003 ppm
Concentration RSD	65.5 %	4.4 %	122.3 %	207.6 %	0.3 %	765.9 %	22.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0015 ppm	74.9645 %	86.6589 %	88.2126 %	75.6736 %	84.8120 %	86.2347 %
Concentration per Run 1	0.0014 ppm	74.8217 %	86.6359 %	88.6431 %	76.0903 %	85.1310 %	86.2543 %
Concentration per Run 2	0.0015 ppm	75.1287 %	86.6225 %	87.9967 %	75.6381 %	84.7326 %	86.2137 %
Concentration per Run 3	0.0016 ppm	74.9430 %	86.7184 %	87.9980 %	75.2926 %	84.5724 %	86.2360 %
Concentration RSD	4.9 %	0.2 %	0.1 %	0.4 %	0.5 %	0.3 %	0.0 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: eL2559350-02d5 WG2118612
 Analysis started at: 9/26/2025 12:39:20 AM
 Comments: <Comment>
 Rack: 1
 Vial: 52

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0287 ppm	-0.0051 ppm	0.0012 ppm	0.0058 ppm	0.0004 ppm	0.0000 ppm	0.0343 ppm
Concentration per Run 1	0.0289 ppm	-0.0080 ppm	0.0017 ppm	0.0058 ppm	0.0005 ppm	0.0001 ppm	0.0338 ppm
Concentration per Run 2	0.0287 ppm	-0.0040 ppm	0.0008 ppm	0.0056 ppm	0.0002 ppm	0.0000 ppm	0.0340 ppm
Concentration per Run 3	0.0286 ppm	-0.0033 ppm	0.0012 ppm	0.0059 ppm	0.0005 ppm	0.0000 ppm	0.0351 ppm
Concentration RSD	0.6 %	50.2 %	37.0 %	2.4 %	41.3 %	175.9 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0003 ppm	0.0234 ppm	0.0309 ppm	0.0018 ppm	1.7262 ppm	0.0030 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	0.0238 ppm	0.0305 ppm	0.0010 ppm	1.6863 ppm	0.0023 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0231 ppm	0.0310 ppm	0.0031 ppm	1.7426 ppm	0.0031 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0232 ppm	0.0312 ppm	0.0014 ppm	1.7497 ppm	0.0036 ppm
Concentration RSD	185.2 %	33.7 %	1.5 %	1.1 %	62.8 %	2.0 %	22.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0421 ppm	0.0003 ppm	0.0103 ppm	774.3647 [SIC 500]	0.0040 ppm	-0.0002 ppm	-0.0003 ppm
Concentration per Run 1	0.0419 ppm	0.0007 ppm	0.0104 ppm	777.1046 ppm	0.0040 ppm	-0.0001 ppm	-0.0013 ppm
Concentration per Run 2	0.0434 ppm	0.0001 ppm	0.0105 ppm	772.2951 ppm	0.0038 ppm	-0.0003 ppm	-0.0012 ppm
Concentration per Run 3	0.0409 ppm	0.0000 ppm	0.0101 ppm	773.6944 ppm	0.0042 ppm	-0.0002 ppm	0.0015 ppm
Concentration RSD	2.9 %	133.9 %	1.6 %	0.3 %	5.0 %	61.6 %	474.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	-0.0086 ppm	0.0004 ppm	0.0002 ppm	-0.0005 ppm	-0.0007 ppm	0.0003 ppm
Concentration per Run 1	0.0004 ppm	-0.0094 ppm	0.0002 ppm	0.0002 ppm	-0.0004 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 2	0.0014 ppm	-0.0082 ppm	0.0001 ppm	0.0003 ppm	-0.0008 ppm	-0.0015 ppm	0.0002 ppm
Concentration per Run 3	-0.0011 ppm	-0.0081 ppm	0.0009 ppm	0.0000 ppm	-0.0003 ppm	-0.0012 ppm	0.0005 ppm
Concentration RSD	541.7 %	8.6 %	122.2 %	90.9 %	53.0 %	147.8 %	71.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0007 ppm	73.4347 %	85.7074 %	87.6976 %	74.1458 %	83.9597 %	85.5196 %
Concentration per Run 1	0.0008 ppm	73.6691 %	85.6227 %	87.9471 %	74.3799 %	84.2140 %	85.5245 %
Concentration per Run 2	0.0008 ppm	73.0791 %	85.5706 %	87.6840 %	74.1898 %	83.8919 %	85.4095 %
Concentration per Run 3	0.0006 ppm	73.5560 %	85.9290 %	87.4616 %	73.8676 %	83.7731 %	85.6248 %
Concentration RSD	13.0 %	0.4 %	0.2 %	0.3 %	0.3 %	0.3 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2559350-03d5 WG2118612
 Analysis started at: 9/26/2025 12:44:48 AM
 Comments: <Comment>
 Rack: 1
 Vial: 53

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0082 ppm	0.0000 ppm	0.0032 ppm	0.0004 ppm	0.0000 ppm	0.1111 ppm
Concentration per Run 1	-0.0001 ppm	0.0186 ppm	-0.0001 ppm	0.0029 ppm	0.0006 ppm	0.0000 ppm	0.1141 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0034 ppm	0.0005 ppm	0.0000 ppm	0.1081 ppm
Concentration per Run 3	0.0001 ppm	0.0059 ppm	0.0002 ppm	0.0035 ppm	0.0001 ppm	0.0000 ppm	0.1111 ppm
Concentration RSD	184.9 %	116.5 %	504.8 %	10.5 %	73.5 %	111.6 %	2.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0002 ppm	0.1029 ppm	0.0003 ppm	0.0034 ppm	0.9587 ppm	0.0014 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.1031 ppm	0.0001 ppm	0.0024 ppm	0.9257 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.1031 ppm	0.0004 ppm	0.0055 ppm	0.9701 ppm	0.0020 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.1025 ppm	0.0004 ppm	0.0021 ppm	0.9804 ppm	0.0011 ppm
Concentration RSD	845.0 %	18.7 %	0.3 %	49.1 %	54.9 %	3.0 %	43.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0168 ppm	0.0010 ppm	0.0005 ppm	469.2421 ppm	0.0002 ppm	0.0002 ppm	-0.0007 ppm
Concentration per Run 1	0.0172 ppm	0.0006 ppm	0.0005 ppm	462.4647 ppm	0.0001 ppm	0.0001 ppm	-0.0014 ppm
Concentration per Run 2	0.0152 ppm	0.0016 ppm	0.0005 ppm	476.7607 ppm	0.0002 ppm	0.0008 ppm	-0.0012 ppm
Concentration per Run 3	0.0182 ppm	0.0009 ppm	0.0006 ppm	468.5009 ppm	0.0004 ppm	-0.0001 ppm	0.0005 ppm
Concentration RSD	9.2 %	45.7 %	16.4 %	1.5 %	67.4 %	192.6 %	141.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0001 ppm	-0.0051 ppm	0.0004 ppm	0.0004 ppm	-0.0001 ppm	-0.0009 ppm	0.0171 ppm
Concentration per Run 1	0.0001 ppm	-0.0046 ppm	0.0000 ppm	0.0004 ppm	0.0000 ppm	-0.0005 ppm	0.0174 ppm
Concentration per Run 2	-0.0019 ppm	-0.0054 ppm	0.0006 ppm	0.0004 ppm	0.0000 ppm	-0.0010 ppm	0.0171 ppm
Concentration per Run 3	0.0020 ppm	-0.0051 ppm	0.0005 ppm	0.0003 ppm	-0.0005 ppm	-0.0011 ppm	0.0168 ppm
Concentration RSD	2,339.7 %	8.2 %	88.7 %	11.6 %	212.4 %	34.6 %	1.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	74.7174 %	88.8487 %	90.3630 %	75.2723 %	87.8086 %	88.3458 %
Concentration per Run 1	0.0008 ppm	74.9339 %	88.9111 %	90.0255 %	75.7678 %	87.5125 %	88.5077 %
Concentration per Run 2	0.0008 ppm	74.9379 %	88.6466 %	90.2813 %	75.1751 %	87.7779 %	88.0928 %
Concentration per Run 3	0.0009 ppm	74.2804 %	88.9884 %	90.7821 %	74.8740 %	88.1353 %	88.4368 %
Concentration RSD	2.4 %	0.5 %	0.2 %	0.4 %	0.6 %	0.4 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: L2559350-04d5 WG2118612
 Analysis started at: 9/26/2025 12:50:17 AM
 Comments: <Comment>
 Rack: 1
 Vial: 54

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0078 ppm	0.0005 ppm	0.0035 ppm	0.0003 ppm	0.0000 ppm	0.1016 ppm
Concentration per Run 1	0.0000 ppm	-0.0163 ppm	-0.0001 ppm	0.0032 ppm	0.0002 ppm	0.0000 ppm	0.1161 ppm
Concentration per Run 2	0.0000 ppm	0.0023 ppm	0.0002 ppm	0.0038 ppm	0.0004 ppm	0.0000 ppm	0.0946 ppm
Concentration per Run 3	0.0004 ppm	-0.0093 ppm	0.0013 ppm	0.0034 ppm	0.0002 ppm	0.0001 ppm	0.0941 ppm
Concentration RSD	191.2 %	120.7 %	153.9 %	8.7 %	40.9 %	150.5 %	12.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0002 ppm	0.1021 ppm	0.0001 ppm	0.0014 ppm	0.9145 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.1022 ppm	0.0003 ppm	0.0015 ppm	0.8860 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.1029 ppm	0.0000 ppm	0.0014 ppm	0.9341 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.1013 ppm	0.0000 ppm	0.0013 ppm	0.9235 ppm	0.0007 ppm
Concentration RSD	164.2 %	44.5 %	0.8 %	177.9 %	6.8 %	2.8 %	57.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0149 ppm	0.0009 ppm	0.0006 ppm	464.3191 ppm	0.0002 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run 1	0.0157 ppm	0.0007 ppm	0.0005 ppm	459.7569 ppm	-0.0002 ppm	-0.0014 ppm	-0.0002 ppm
Concentration per Run 2	0.0149 ppm	0.0015 ppm	0.0008 ppm	470.1994 ppm	0.0004 ppm	0.0001 ppm	-0.0006 ppm
Concentration per Run 3	0.0142 ppm	0.0007 ppm	0.0006 ppm	463.0011 ppm	0.0004 ppm	-0.0007 ppm	0.0001 ppm
Concentration RSD	5.3 %	49.0 %	18.8 %	1.2 %	174.0 %	105.8 %	172.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	-0.0059 ppm	0.0004 ppm	0.0005 ppm	-0.0003 ppm	-0.0002 ppm	0.0168 ppm
Concentration per Run 1	0.0009 ppm	-0.0060 ppm	0.0002 ppm	0.0006 ppm	-0.0002 ppm	0.0001 ppm	0.0165 ppm
Concentration per Run 2	0.0001 ppm	-0.0063 ppm	0.0005 ppm	0.0004 ppm	-0.0004 ppm	0.0000 ppm	0.0169 ppm
Concentration per Run 3	0.0004 ppm	-0.0053 ppm	0.0005 ppm	0.0004 ppm	-0.0004 ppm	-0.0006 ppm	0.0169 ppm
Concentration RSD	96.5 %	8.9 %	37.0 %	27.1 %	43.3 %	207.7 %	1.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	74.5638 %	89.1811 %	90.5880 %	75.4457 %	88.0114 %	89.1272 %
Concentration per Run 1	0.0008 ppm	74.3224 %	89.3120 %	91.0224 %	75.8106 %	88.4907 %	89.0733 %
Concentration per Run 2	0.0008 ppm	74.7634 %	88.9815 %	90.6502 %	75.0718 %	87.9594 %	89.0974 %
Concentration per Run 3	0.0008 ppm	74.6057 %	89.2498 %	90.0914 %	75.4548 %	87.5839 %	89.2111 %
Concentration RSD	4.1 %	0.3 %	0.2 %	0.5 %	0.5 %	0.5 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: eL2559350-05d5 WG2118612
 Analysis started at: 9/26/2025 12:55:46 AM
 Comments: <Comment>
 Rack: 1
 Vial: 55

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0266 ppm	-0.0130 ppm	0.0002 ppm	0.0051 ppm	0.0004 ppm	0.0000 ppm	0.0451 ppm
Concentration per Run 1	0.0266 ppm	-0.0222 ppm	0.0009 ppm	0.0051 ppm	0.0002 ppm	-0.0001 ppm	0.0432 ppm
Concentration per Run 2	0.0266 ppm	-0.0122 ppm	0.0008 ppm	0.0051 ppm	0.0006 ppm	0.0000 ppm	0.0539 ppm
Concentration per Run 3	0.0265 ppm	-0.0047 ppm	-0.0012 ppm	0.0050 ppm	0.0004 ppm	0.0000 ppm	0.0381 ppm
Concentration RSD	0.1 %	67.7 %	675.6 %	1.3 %	51.6 %	74.1 %	17.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0003 ppm	0.0230 ppm	0.0284 ppm	0.0028 ppm	1.6752 ppm	0.0039 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0230 ppm	0.0281 ppm	0.0013 ppm	1.6240 ppm	0.0037 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0233 ppm	0.0285 ppm	0.0027 ppm	1.6977 ppm	0.0054 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0226 ppm	0.0287 ppm	0.0044 ppm	1.7038 ppm	0.0026 ppm
Concentration RSD	734.9 %	15.0 %	1.5 %	1.0 %	54.2 %	2.7 %	36.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0452 ppm	0.0003 ppm	0.0102 ppm	772.3779 [SIC 500]	0.0042 ppm	-0.0002 ppm	-0.0005 ppm
Concentration per Run 1	0.0465 ppm	-0.0002 ppm	0.0102 ppm	790.6069 ppm	0.0040 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run 2	0.0453 ppm	0.0005 ppm	0.0102 ppm	762.0336 ppm	0.0041 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run 3	0.0438 ppm	0.0006 ppm	0.0103 ppm	764.4932 ppm	0.0044 ppm	-0.0007 ppm	-0.0013 ppm
Concentration RSD	3.0 %	145.9 %	0.2 %	2.1 %	4.9 %	303.1 %	162.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	-0.0070 ppm	0.0008 ppm	0.0002 ppm	-0.0006 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run 1	-0.0023 ppm	-0.0068 ppm	0.0008 ppm	0.0003 ppm	-0.0008 ppm	-0.0010 ppm	0.0003 ppm
Concentration per Run 2	0.0036 ppm	-0.0070 ppm	0.0005 ppm	0.0001 ppm	-0.0003 ppm	-0.0009 ppm	0.0003 ppm
Concentration per Run 3	0.0015 ppm	-0.0070 ppm	0.0010 ppm	0.0001 ppm	-0.0005 ppm	0.0004 ppm	0.0001 ppm
Concentration RSD	330.4 %	1.3 %	27.7 %	41.2 %	49.4 %	158.6 %	35.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	72.9993 %	85.6475 %	87.4750 %	73.6627 %	83.9634 %	85.4966 %
Concentration per Run 1	0.0008 ppm	72.6483 %	85.5069 %	87.3437 %	72.8792 %	83.8675 %	85.3445 %
Concentration per Run 2	0.0008 ppm	73.4011 %	85.7349 %	87.6823 %	74.1296 %	84.1517 %	85.4922 %
Concentration per Run 3	0.0009 ppm	72.9485 %	85.7008 %	87.3991 %	73.9794 %	83.8712 %	85.6530 %
Concentration RSD	8.7 %	0.5 %	0.1 %	0.2 %	0.9 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: eL2559350-06d5 WG2118612
 Analysis started at: 9/26/2025 1:01:15 AM
 Comments: <Comment>
 Rack: 1
 Vial: 56

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0093 ppm	-0.0091 ppm	0.0001 ppm	0.0066 ppm	0.0004 ppm	0.0000 ppm	0.0113 ppm
Concentration per Run 1	0.0093 ppm	-0.0079 ppm	-0.0009 ppm	0.0063 ppm	0.0003 ppm	0.0000 ppm	0.0134 ppm
Concentration per Run 2	0.0092 ppm	-0.0075 ppm	0.0011 ppm	0.0066 ppm	0.0004 ppm	0.0000 ppm	0.0023 ppm
Concentration per Run 3	0.0093 ppm	-0.0119 ppm	0.0001 ppm	0.0070 ppm	0.0004 ppm	0.0001 ppm	0.0183 ppm
Concentration RSD	0.6 %	26.6 %	1,192.7 %	5.7 %	5.9 %	283.3 %	72.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0007 ppm	0.0146 ppm	0.0243 ppm	0.0039 ppm	1.5964 ppm	0.0055 ppm
Concentration per Run 1	0.0000 ppm	0.0006 ppm	0.0145 ppm	0.0238 ppm	0.0077 ppm	1.5562 ppm	0.0049 ppm
Concentration per Run 2	0.0000 ppm	0.0009 ppm	0.0146 ppm	0.0244 ppm	0.0017 ppm	1.6066 ppm	0.0053 ppm
Concentration per Run 3	0.0000 ppm	0.0008 ppm	0.0147 ppm	0.0248 ppm	0.0022 ppm	1.6264 ppm	0.0062 ppm
Concentration RSD	488.1 %	19.9 %	0.7 %	2.2 %	85.9 %	2.3 %	12.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0028 ppm	-0.0006 ppm	0.0241 ppm	748.9954 [SIC 500]	0.2346 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run 1	0.0023 ppm	0.0001 ppm	0.0240 ppm	746.4053 ppm	0.2348 ppm	-0.0001 ppm	-0.0006 ppm
Concentration per Run 2	0.0032 ppm	-0.0008 ppm	0.0241 ppm	751.9893 ppm	0.2344 ppm	-0.0009 ppm	-0.0003 ppm
Concentration per Run 3	0.0030 ppm	-0.0011 ppm	0.0240 ppm	748.5916 ppm	0.2346 ppm	-0.0003 ppm	0.0005 ppm
Concentration RSD	16.6 %	99.3 %	0.1 %	0.4 %	0.1 %	93.4 %	496.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	0.0729 ppm	0.0003 ppm	0.0000 ppm	0.0259 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0677 ppm	0.0002 ppm	-0.0001 ppm	0.0258 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 2	0.0020 ppm	0.0731 ppm	0.0007 ppm	0.0001 ppm	0.0263 ppm	-0.0007 ppm	0.0005 ppm
Concentration per Run 3	0.0004 ppm	0.0778 ppm	0.0001 ppm	0.0000 ppm	0.0255 ppm	0.0006 ppm	0.0004 ppm
Concentration RSD	131.8 %	6.9 %	88.7 %	248.8 %	1.4 %	621.6 %	42.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	74.0886 %	86.6438 %	88.0336 %	74.8102 %	84.6095 %	86.2467 %
Concentration per Run 1	0.0005 ppm	74.5806 %	86.6120 %	88.2960 %	75.4496 %	84.7838 %	86.3303 %
Concentration per Run 2	0.0004 ppm	73.4250 %	86.8041 %	88.1349 %	74.2570 %	84.6706 %	86.3391 %
Concentration per Run 3	0.0005 ppm	74.2603 %	86.5153 %	87.6698 %	74.7240 %	84.3742 %	86.0707 %
Concentration RSD	8.8 %	0.8 %	0.2 %	0.4 %	0.8 %	0.2 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCV
Analysis started at: 9/26/2025 1:06:41 AM
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4878 ppm	0.4847 ppm	0.4473 ppm	0.4477 ppm	0.4794 ppm	0.5130 ppm	0.5388 ppm
Concentration per Run 1	0.4889 ppm	0.4851 ppm	0.4467 ppm	0.4467 ppm	0.4709 ppm	0.5031 ppm	0.5343 ppm
Concentration per Run 2	0.4869 ppm	0.4916 ppm	0.4481 ppm	0.4480 ppm	0.4843 ppm	0.5200 ppm	0.5342 ppm
Concentration per Run 3	0.4877 ppm	0.4774 ppm	0.4470 ppm	0.4484 ppm	0.4831 ppm	0.5159 ppm	0.5480 ppm
Recovery Percentage 1	97.564 %	96.937 %	89.452 %	89.539 %	95.884 %	102.606 %	107.768 %
Concentration RSD	0.2 %	1.5 %	0.2 %	0.2 %	1.5 %	1.7 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4868 ppm	0.4785 ppm	0.5269 ppm	0.4827 ppm	0.5461 ppm	5.6150 ppm	0.5142 ppm
Concentration per Run 1	0.4869 ppm	0.4783 ppm	0.5270 ppm	0.4824 ppm	0.5382 ppm	5.5327 ppm	0.5052 ppm
Concentration per Run 2	0.4871 ppm	0.4788 ppm	0.5274 ppm	0.4821 ppm	0.5473 ppm	5.6454 ppm	0.5180 ppm
Concentration per Run 3	0.4865 ppm	0.4784 ppm	0.5263 ppm	0.4836 ppm	0.5527 ppm	5.6668 ppm	0.5193 ppm
Recovery Percentage 1	97.365 %	95.697 %	105.374 %	96.543 %	109.215 %	112.299 %	102.839 %
Concentration RSD	0.1 %	0.1 %	0.1 %	0.2 %	1.3 %	1.3 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4990 ppm	0.5488 ppm	0.4643 ppm	10.6087 ppm	0.4727 ppm	0.4821 ppm	0.4666 ppm
Concentration per Run 1	0.4976 ppm	0.5384 ppm	0.4635 ppm	10.4288 ppm	0.4731 ppm	0.4826 ppm	0.4644 ppm
Concentration per Run 2	0.4991 ppm	0.5563 ppm	0.4646 ppm	10.7001 ppm	0.4731 ppm	0.4821 ppm	0.4664 ppm
Concentration per Run 3	0.5002 ppm	0.5517 ppm	0.4648 ppm	10.6973 ppm	0.4720 ppm	0.4817 ppm	0.4691 ppm
Recovery Percentage 1	99.794 %	109.757 %	92.854 %	106.087 %	94.545 %	96.428 %	93.329 %
Concentration RSD	0.3 %	1.7 %	0.1 %	1.5 %	0.1 %	0.1 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4602 ppm	4.5679 ppm	0.4664 ppm	0.4868 ppm	0.5011 ppm	0.4794 ppm	0.5014 ppm
Concentration per Run 1	0.4589 ppm	4.5638 ppm	0.4670 ppm	0.4775 ppm	0.5011 ppm	0.4774 ppm	0.5017 ppm
Concentration per Run 2	0.4593 ppm	4.5729 ppm	0.4668 ppm	0.4919 ppm	0.5012 ppm	0.4788 ppm	0.5019 ppm
Concentration per Run 3	0.4624 ppm	4.5671 ppm	0.4656 ppm	0.4908 ppm	0.5008 ppm	0.4820 ppm	0.5005 ppm
Recovery Percentage 1	92.041 %	87.008 %	93.289 %	97.351 %	100.211 %	95.876 %	100.275 %
Concentration RSD	0.4 %	0.1 %	0.2 %	1.6 %	0.0 %	0.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4853 ppm	78.3351 %	96.5400 %	96.3876 %	79.0540 %	98.0230 %	96.3375 %
Concentration per Run 1	0.4859 ppm	78.6455 %	96.9301 %	96.3824 %	79.3346 %	98.0307 %	96.6421 %
Concentration per Run 2	0.4858 ppm	78.2035 %	96.1041 %	96.3658 %	78.6375 %	97.9494 %	96.0206 %
Concentration per Run 3	0.4843 ppm	78.1563 %	96.5858 %	96.4147 %	79.1901 %	98.0888 %	96.3497 %
Recovery Percentage 1	97.068 %						
Concentration RSD	0.2 %	0.3 %	0.4 %	0.0 %	0.5 %	0.1 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCB
 Analysis started at: 9/26/2025 1:11:45 AM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0017 ppm	-0.0003 ppm	0.0006 ppm	0.0003 ppm	0.0000 ppm	-0.0008 ppm
Concentration per Run 1	-0.0003 ppm	0.0235 ppm	-0.0007 ppm	0.0008 ppm	0.0004 ppm	0.0001 ppm	-0.0055 ppm
Concentration per Run 2	-0.0002 ppm	0.0008 ppm	-0.0004 ppm	0.0004 ppm	0.0003 ppm	0.0000 ppm	0.0030 ppm
Concentration per Run 3	-0.0003 ppm	-0.0191 ppm	0.0004 ppm	0.0007 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage 1	-5.409 %	1.708 %	-5.022 %	2.115 %	3.265 %	0.799 %	-0.833 %
Concentration RSD	24.6 %	1,246.8 %	222.2 %	30.9 %	22.4 %	161.1 %	519.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0006 ppm	0.0021 ppm	0.1286 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0007 ppm	-0.0007 ppm	0.1186 ppm	0.0003 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0004 ppm	0.0062 ppm	0.1425 ppm	0.0011 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm	0.0007 ppm	0.1249 ppm	-0.0007 ppm
Recovery Percentage 1	1.322 %	1.403 %	-0.635 %	-5.544 %	4.116 %	5.146 %	2.507 %
Concentration RSD	47.7 %	43.9 %	104.0 %	26.2 %	177.6 %	9.6 %	362.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0015 ppm	-0.0001 ppm	0.0004 ppm	0.8086 ppm	0.0001 ppm	0.0001 ppm	0.0010 ppm
Concentration per Run 1	0.0038 ppm	0.0000 ppm	0.0003 ppm	0.7523 ppm	0.0000 ppm	0.0003 ppm	0.0014 ppm
Concentration per Run 2	0.0008 ppm	-0.0004 ppm	0.0005 ppm	0.8192 ppm	0.0003 ppm	0.0004 ppm	0.0012 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.8545 ppm	-0.0001 ppm	-0.0002 ppm	0.0003 ppm
Recovery Percentage 1	1.518 %	-1.266 %	0.848 %	40.432 %	0.340 %	1.404 %	1.970 %
Concentration RSD	134.3 %	212.2 %	25.7 %	6.4 %	201.0 %	226.4 %	59.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	-0.0116 ppm	0.0003 ppm	0.0001 ppm	-0.0001 ppm	-0.0008 ppm	0.0003 ppm
Concentration per Run 1	0.0017 ppm	-0.0122 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 2	0.0003 ppm	-0.0114 ppm	0.0002 ppm	0.0000 ppm	-0.0003 ppm	-0.0010 ppm	0.0003 ppm
Concentration per Run 3	0.0006 ppm	-0.0113 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	-0.0009 ppm	0.0002 ppm
Recovery Percentage 1	8.807 %	-2.324 %	0.560 %	0.747 %	-0.879 %	-4.120 %	2.561 %
Concentration RSD	84.4 %	4.2 %	61.4 %	141.6 %	188.5 %	22.6 %	30.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	77.8114 %	96.8244 %	97.0998 %	77.4526 %	96.1501 %	95.4207 %
Concentration per Run 1	0.0010 ppm	77.4353 %	97.1647 %	97.1877 %	77.1392 %	96.1042 %	95.7087 %
Concentration per Run 2	0.0010 ppm	78.3562 %	97.0099 %	97.1904 %	77.8518 %	96.3970 %	95.6489 %
Concentration per Run 3	0.0010 ppm	77.6426 %	96.2985 %	96.9214 %	77.3668 %	95.9490 %	94.9043 %
Recovery Percentage 1	20.293 %						
Concentration RSD	1.1 %	0.6 %	0.5 %	0.2 %	0.5 %	0.2 %	0.5 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCV
 Analysis started at: 9/26/2025 1:17:10 AM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4867 ppm	0.4728 ppm	0.4506 ppm	0.4466 ppm	0.4797 ppm	0.5231 ppm	0.5480 ppm
Concentration per Run 1	0.4880 ppm	0.4716 ppm	0.4507 ppm	0.4467 ppm	0.4725 ppm	0.5138 ppm	0.5335 ppm
Concentration per Run 2	0.4850 ppm	0.4678 ppm	0.4486 ppm	0.4456 ppm	0.4826 ppm	0.5267 ppm	0.5535 ppm
Concentration per Run 3	0.4870 ppm	0.4791 ppm	0.4524 ppm	0.4474 ppm	0.4841 ppm	0.5289 ppm	0.5571 ppm
Recovery Percentage 1	97.337 %	94.568 %	90.115 %	89.313 %	95.950 %	104.628 %	109.604 %
Concentration RSD	0.3 %	1.2 %	0.4 %	0.2 %	1.3 %	1.6 %	2.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4911 ppm	0.4804 ppm	0.5353 ppm	0.4758 ppm	0.5625 ppm	5.5550 ppm	0.5067 ppm
Concentration per Run 1	0.4913 ppm	0.4809 ppm	0.5379 ppm	0.4759 ppm	0.5553 ppm	5.4669 ppm	0.4995 ppm
Concentration per Run 2	0.4914 ppm	0.4804 ppm	0.5325 ppm	0.4760 ppm	0.5696 ppm	5.6102 ppm	0.5096 ppm
Concentration per Run 3	0.4906 ppm	0.4798 ppm	0.5354 ppm	0.4754 ppm	0.5626 ppm	5.5880 ppm	0.5111 ppm
Recovery Percentage 1	98.222 %	96.078 %	107.060 %	95.156 %	112.496 %	111.101 %	101.346 %
Concentration RSD	0.1 %	0.1 %	0.5 %	0.1 %	1.3 %	1.4 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5067 ppm	0.5565 ppm	0.4658 ppm	10.5984 ppm	0.4747 ppm	0.4823 ppm	0.4640 ppm
Concentration per Run 1	0.5082 ppm	0.5471 ppm	0.4662 ppm	10.4311 ppm	0.4750 ppm	0.4824 ppm	0.4645 ppm
Concentration per Run 2	0.5028 ppm	0.5631 ppm	0.4656 ppm	10.6663 ppm	0.4743 ppm	0.4821 ppm	0.4636 ppm
Concentration per Run 3	0.5091 ppm	0.5592 ppm	0.4655 ppm	10.6979 ppm	0.4747 ppm	0.4824 ppm	0.4639 ppm
Recovery Percentage 1	101.338 %	111.294 %	93.150 %	105.984 %	94.936 %	96.460 %	92.798 %
Concentration RSD	0.7 %	1.5 %	0.1 %	1.4 %	0.1 %	0.0 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4612 ppm	4.5707 ppm	0.4683 ppm	0.4913 ppm	0.5028 ppm	0.4776 ppm	0.5042 ppm
Concentration per Run 1	0.4603 ppm	4.5737 ppm	0.4683 ppm	0.4826 ppm	0.5034 ppm	0.4788 ppm	0.5052 ppm
Concentration per Run 2	0.4615 ppm	4.5696 ppm	0.4681 ppm	0.4954 ppm	0.5017 ppm	0.4769 ppm	0.5035 ppm
Concentration per Run 3	0.4617 ppm	4.5690 ppm	0.4685 ppm	0.4958 ppm	0.5032 ppm	0.4772 ppm	0.5040 ppm
Recovery Percentage 1	92.235 %	87.062 %	93.654 %	98.251 %	100.551 %	95.527 %	100.847 %
Concentration RSD	0.2 %	0.1 %	0.0 %	1.5 %	0.2 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4902 ppm	76.8113 %	96.4650 %	97.5458 %	77.2945 %	98.6891 %	96.1303 %
Concentration per Run 1	0.4898 ppm	77.3675 %	96.4760 %	97.6311 %	77.8889 %	98.8178 %	96.0532 %
Concentration per Run 2	0.4909 ppm	76.1775 %	96.6398 %	97.4440 %	76.9544 %	98.5764 %	96.3724 %
Concentration per Run 3	0.4899 ppm	76.8888 %	96.2793 %	97.5622 %	77.0401 %	98.6732 %	95.9651 %
Recovery Percentage 1	98.043 %						
Concentration RSD	0.1 %	0.8 %	0.2 %	0.1 %	0.7 %	0.1 %	0.2 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCB
 Analysis started at: 9/26/2025 1:22:14 AM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	-0.0065 ppm	-0.0007 ppm	0.0005 ppm	0.0002 ppm	0.0001 ppm	0.0052 ppm
Concentration per Run 1	-0.0005 ppm	-0.0114 ppm	-0.0005 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0023 ppm
Concentration per Run 2	-0.0006 ppm	0.0049 ppm	-0.0003 ppm	0.0007 ppm	0.0003 ppm	0.0001 ppm	0.0094 ppm
Concentration per Run 3	-0.0004 ppm	-0.0129 ppm	-0.0014 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm	0.0040 ppm
Recovery Percentage 1	-9.768 %	-6.488 %	-14.198 %	1.672 %	2.153 %	2.136 %	5.205 %
Concentration RSD	17.1 %	152.2 %	82.6 %	35.3 %	54.9 %	22.8 %	71.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0005 ppm	0.0032 ppm	0.0865 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0006 ppm	0.0045 ppm	0.0749 ppm	0.0004 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0005 ppm	0.0037 ppm	0.0861 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0005 ppm	0.0014 ppm	0.0984 ppm	-0.0004 ppm
Recovery Percentage 1	1.487 %	1.390 %	0.123 %	-5.482 %	6.395 %	3.460 %	3.626 %
Concentration RSD	38.5 %	8.6 %	1,800.2 %	14.8 %	49.6 %	13.6 %	193.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0011 ppm	0.0002 ppm	0.0005 ppm	0.6291 ppm	-0.0003 ppm	-0.0001 ppm	0.0015 ppm
Concentration per Run 1	0.0012 ppm	-0.0005 ppm	0.0004 ppm	0.5901 ppm	-0.0001 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 2	0.0022 ppm	0.0006 ppm	0.0006 ppm	0.6254 ppm	-0.0003 ppm	-0.0005 ppm	0.0007 ppm
Concentration per Run 3	-0.0002 ppm	0.0004 ppm	0.0004 ppm	0.6719 ppm	-0.0005 ppm	0.0003 ppm	0.0026 ppm
Recovery Percentage 1	1.069 %	1.561 %	0.937 %	31.455 %	-1.124 %	-0.846 %	2.996 %
Concentration RSD	110.2 %	375.3 %	17.2 %	6.5 %	78.1 %	497.5 %	65.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0012 ppm	-0.0119 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0006 ppm	0.0003 ppm
Concentration per Run 1	0.0013 ppm	-0.0108 ppm	-0.0005 ppm	-0.0003 ppm	-0.0001 ppm	-0.0013 ppm	0.0001 ppm
Concentration per Run 2	-0.0007 ppm	-0.0123 ppm	0.0002 ppm	0.0001 ppm	-0.0002 ppm	-0.0005 ppm	0.0007 ppm
Concentration per Run 3	0.0028 ppm	-0.0126 ppm	0.0005 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage 1	11.566 %	-2.377 %	0.093 %	0.158 %	-1.561 %	-3.080 %	2.935 %
Concentration RSD	152.1 %	8.0 %	1,111.2 %	1,891.9 %	42.7 %	107.7 %	112.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0011 ppm	76.5262 %	95.8837 %	97.0047 %	76.5087 %	95.8938 %	94.5147 %
Concentration per Run 1	0.0011 ppm	76.6559 %	96.0544 %	97.1620 %	76.4682 %	95.8384 %	94.6953 %
Concentration per Run 2	0.0011 ppm	76.5885 %	96.0270 %	96.9914 %	76.8866 %	95.9667 %	94.6104 %
Concentration per Run 3	0.0010 ppm	76.3342 %	95.5697 %	96.8608 %	76.1712 %	95.8764 %	94.2383 %
Recovery Percentage 1	21.495 %						
Concentration RSD	4.4 %	0.2 %	0.3 %	0.2 %	0.5 %	0.1 %	0.3 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCV
 Analysis started at: 9/26/2025 1:27:38 AM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4849 ppm	0.4767 ppm	0.4541 ppm	0.4503 ppm	0.4766 ppm	0.5183 ppm	0.5461 ppm
Concentration per Run 1	0.4862 ppm	0.4625 ppm	0.4532 ppm	0.4481 ppm	0.4689 ppm	0.5110 ppm	0.5313 ppm
Concentration per Run 2	0.4840 ppm	0.4829 ppm	0.4551 ppm	0.4502 ppm	0.4792 ppm	0.5201 ppm	0.5585 ppm
Concentration per Run 3	0.4845 ppm	0.4846 ppm	0.4538 ppm	0.4526 ppm	0.4817 ppm	0.5239 ppm	0.5484 ppm
Recovery Percentage 1	96.984 %	95.339 %	90.810 %	90.057 %	95.324 %	103.664 %	109.216 %
Concentration RSD	0.2 %	2.6 %	0.2 %	0.5 %	1.4 %	1.3 %	2.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4934 ppm	0.4831 ppm	0.5335 ppm	0.4752 ppm	0.5574 ppm	0.5120 ppm	0.5051 ppm
Concentration per Run 1	0.4931 ppm	0.4823 ppm	0.5344 ppm	0.4747 ppm	0.5465 ppm	5.4432 ppm	0.4961 ppm
Concentration per Run 2	0.4935 ppm	0.4835 ppm	0.5336 ppm	0.4753 ppm	0.5621 ppm	5.5391 ppm	0.5081 ppm
Concentration per Run 3	0.4935 ppm	0.4835 ppm	0.5325 ppm	0.4756 ppm	0.5636 ppm	5.5537 ppm	0.5110 ppm
Recovery Percentage 1	98.680 %	96.619 %	106.706 %	95.038 %	111.479 %	110.240 %	101.012 %
Concentration RSD	0.0 %	0.1 %	0.2 %	0.1 %	1.7 %	1.1 %	1.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5108 ppm	0.5549 ppm	0.4682 ppm	10.4386 ppm	0.4790 ppm	0.4855 ppm	0.4669 ppm
Concentration per Run 1	0.5105 ppm	0.5456 ppm	0.4661 ppm	10.2797 ppm	0.4781 ppm	0.4850 ppm	0.4663 ppm
Concentration per Run 2	0.5147 ppm	0.5590 ppm	0.4690 ppm	10.4772 ppm	0.4799 ppm	0.4856 ppm	0.4675 ppm
Concentration per Run 3	0.5070 ppm	0.5600 ppm	0.4695 ppm	10.5590 ppm	0.4791 ppm	0.4860 ppm	0.4668 ppm
Recovery Percentage 1	102.155 %	110.975 %	93.644 %	104.386 %	95.806 %	97.105 %	93.379 %
Concentration RSD	0.8 %	1.5 %	0.4 %	1.4 %	0.2 %	0.1 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4646 ppm	4.6016 ppm	0.4711 ppm	0.4848 ppm	0.5030 ppm	0.4792 ppm	0.5062 ppm
Concentration per Run 1	0.4643 ppm	4.5919 ppm	0.4706 ppm	0.4768 ppm	0.5031 ppm	0.4786 ppm	0.5075 ppm
Concentration per Run 2	0.4647 ppm	4.6037 ppm	0.4716 ppm	0.4870 ppm	0.5027 ppm	0.4796 ppm	0.5055 ppm
Concentration per Run 3	0.4649 ppm	4.6093 ppm	0.4712 ppm	0.4905 ppm	0.5033 ppm	0.4794 ppm	0.5056 ppm
Recovery Percentage 1	92.924 %	87.650 %	94.229 %	96.950 %	100.608 %	95.839 %	101.239 %
Concentration RSD	0.1 %	0.2 %	0.1 %	1.5 %	0.1 %	0.1 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4935 ppm	77.5678 %	95.9985 %	97.2204 %	78.2612 %	98.3254 %	96.1505 %
Concentration per Run 1	0.4934 ppm	77.7627 %	95.8735 %	97.0649 %	78.5627 %	98.4160 %	96.0591 %
Concentration per Run 2	0.4940 ppm	77.8183 %	96.0188 %	97.2910 %	78.6047 %	98.2759 %	96.3079 %
Concentration per Run 3	0.4931 ppm	77.1223 %	96.1030 %	97.3055 %	77.6162 %	98.2845 %	96.0846 %
Recovery Percentage 1	98.700 %						
Concentration RSD	0.1 %	0.5 %	0.1 %	0.1 %	0.7 %	0.1 %	0.1 %

ICP DataTrace 10

9/26/2025 9:10:48 AM



LabBook: WG2119734_09252025T10.imexp

Sample: CCB
 Analysis started at: 9/26/2025 1:32:43 AM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0032 ppm	0.0006 ppm	0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0071 ppm
Concentration per Run 1	-0.0004 ppm	0.0078 ppm	0.0000 ppm	0.0005 ppm	0.0005 ppm	0.0000 ppm	-0.0021 ppm
Concentration per Run 2	-0.0001 ppm	-0.0109 ppm	0.0009 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.0103 ppm
Concentration per Run 3	-0.0003 ppm	-0.0066 ppm	0.0008 ppm	0.0006 ppm	0.0004 ppm	0.0000 ppm	0.0132 ppm
Recovery Percentage 1	-4.492 %	-3.222 %	11.753 %	1.440 %	4.260 %	0.281 %	7.136 %
Concentration RSD	69.4 %	303.5 %	85.1 %	52.8 %	11.9 %	395.7 %	113.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0006 ppm	0.0035 ppm	0.0658 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	-0.0002 ppm	-0.0005 ppm	0.0047 ppm	0.0679 ppm	0.0002 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0007 ppm	0.0045 ppm	0.0450 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0007 ppm	0.0013 ppm	0.0844 ppm	-0.0005 ppm
Recovery Percentage 1	1.192 %	1.143 %	-1.050 %	-6.183 %	6.986 %	2.631 %	-0.901 %
Concentration RSD	33.7 %	31.4 %	163.0 %	13.4 %	55.0 %	30.1 %	378.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0016 ppm	0.0001 ppm	0.0005 ppm	0.5173 ppm	0.0000 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run 1	0.0008 ppm	0.0003 ppm	0.0005 ppm	0.4805 ppm	0.0001 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run 2	0.0026 ppm	0.0000 ppm	0.0005 ppm	0.5227 ppm	0.0002 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run 3	0.0014 ppm	0.0000 ppm	0.0005 ppm	0.5488 ppm	-0.0004 ppm	0.0000 ppm	0.0008 ppm
Recovery Percentage 1	1.610 %	1.045 %	1.022 %	25.866 %	-0.142 %	-0.869 %	0.756 %
Concentration RSD	58.1 %	188.3 %	6.0 %	6.7 %	819.5 %	750.1 %	98.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	-0.0126 ppm	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 1	0.0010 ppm	-0.0130 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	-0.0006 ppm	0.0003 ppm
Concentration per Run 2	-0.0010 ppm	-0.0126 ppm	0.0000 ppm	-0.0001 ppm	-0.0006 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 3	0.0009 ppm	-0.0123 ppm	-0.0003 ppm	-0.0001 ppm	-0.0003 ppm	-0.0006 ppm	0.0001 ppm
Recovery Percentage 1	3.147 %	-2.524 %	-0.002 %	-1.093 %	-2.934 %	-3.077 %	2.177 %
Concentration RSD	359.5 %	2.6 %	33,565.8 %	26.8 %	91.3 %	0.2 %	39.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0011 ppm	76.4707 %	96.4457 %	97.4022 %	76.2674 %	96.3073 %	95.3298 %
Concentration per Run 1	0.0011 ppm	76.7064 %	96.3804 %	97.6758 %	76.6853 %	96.4334 %	95.1470 %
Concentration per Run 2	0.0012 ppm	76.6624 %	96.3449 %	97.3056 %	76.0974 %	95.9575 %	95.1721 %
Concentration per Run 3	0.0010 ppm	76.0434 %	96.6118 %	97.2252 %	76.0194 %	96.5311 %	95.6701 %
Recovery Percentage 1	21.629 %						
Concentration RSD	7.0 %	0.5 %	0.2 %	0.2 %	0.5 %	0.3 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: Blank MRP Trace7
 Analysis started at: 9/29/2025 15:15:06
 Comments: <Comment>
 Rack: 0
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.5 %	-1.3 %	0.4 %	0.1 %	0.3 %	0.9 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.1 %	0.0 %	0.6 %	0.0 %	0.5 %	2.1 %	-0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-1.0 %	1.1 %	0.1 %	-0.2 %	-0.1 %	0.2 %	-0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	1.6 %	0.1 %	0.1 %	0.0 %	-0.5 %	-0.1 %	-0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: ICAL
Analysis started at: 9/29/2025 15:19:37
Comments: <Comment>
Rack: 0
Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	0.9990 ppm	25.2920 ppm	0.9813 ppm	0.9815 ppm	1.0110 ppm	1.0123 ppm	10.1255 ppm
Concentration per Run 2	1.0009 ppm	24.8831 ppm	1.0235 ppm	1.0224 ppm	0.9950 ppm	0.9946 ppm	9.9477 ppm
Concentration per Run 3	1.0001 ppm	24.8249 ppm	0.9952 ppm	0.9962 ppm	0.9940 ppm	0.9930 ppm	9.9268 ppm
Concentration RSD	0.1 %	1.0 %	2.2 %	2.1 %	1.0 %	1.1 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9805 ppm	0.9829 ppm	1.0013 ppm	0.9979 ppm	25.3132 ppm	35.3948 ppm	1.0109 ppm
Concentration per Run 2	1.0225 ppm	1.0230 ppm	0.9983 ppm	1.0017 ppm	24.8756 ppm	34.8129 ppm	0.9941 ppm
Concentration per Run 3	0.9970 ppm	0.9941 ppm	1.0005 ppm	1.0003 ppm	24.8113 ppm	34.7924 ppm	0.9950 ppm
Concentration RSD	2.1 %	2.1 %	0.2 %	0.2 %	1.1 %	1.0 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	10.0050 ppm	1.0135 ppm	0.9810 ppm	25.2690 ppm	0.9852 ppm	0.9799 ppm	0.9818 ppm
Concentration per Run 2	9.9729 ppm	0.9940 ppm	1.0225 ppm	24.8877 ppm	1.0222 ppm	1.0221 ppm	1.0246 ppm
Concentration per Run 3	10.0221 ppm	0.9925 ppm	0.9966 ppm	24.8432 ppm	0.9926 ppm	0.9980 ppm	0.9936 ppm
Concentration RSD	0.2 %	1.2 %	2.1 %	0.9 %	2.0 %	2.1 %	2.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9851 ppm	9.8132 ppm	0.9790 ppm	1.0112 ppm	0.9989 ppm	0.9848 ppm	1.0003 ppm
Concentration per Run 2	1.0214 ppm	10.2194 ppm	1.0236 ppm	0.9955 ppm	0.9997 ppm	1.0222 ppm	0.9990 ppm
Concentration per Run 3	0.9935 ppm	9.9674 ppm	0.9974 ppm	0.9933 ppm	1.0014 ppm	0.9930 ppm	1.0007 ppm
Concentration RSD	1.9 %	2.1 %	2.2 %	1.0 %	0.1 %	2.0 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0000 ppm	99.7839 %	97.5267 %	95.9878 %	100.7218 %	91.2807 %	98.1935 %
Concentration per Run 1	0.9794 ppm	98.6114 %	97.6259 %	97.5609 %	99.4930 %	92.8214 %	98.3738 %
Concentration per Run 2	1.0226 ppm	100.2073 %	97.4831 %	94.3524 %	101.0796 %	89.3832 %	98.1132 %
Concentration per Run 3	0.9981 ppm	100.5329 %	97.4711 %	96.0500 %	101.5927 %	91.6375 %	98.0935 %
Concentration RSD	2.2 %	1.0 %	0.1 %	1.7 %	1.1 %	1.9 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: ICV
Analysis started at: 9/29/2025 15:30:38
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5034 ppm	0.4926 ppm	0.4774 ppm	0.4846 ppm	0.5031 ppm	0.5192 ppm	0.5297 ppm
Concentration per Run 1	0.5045 ppm	0.4932 ppm	0.4758 ppm	0.4846 ppm	0.5092 ppm	0.5259 ppm	0.5406 ppm
Concentration per Run 2	0.5031 ppm	0.4864 ppm	0.4805 ppm	0.4847 ppm	0.4999 ppm	0.5165 ppm	0.5246 ppm
Concentration per Run 3	0.5026 ppm	0.4982 ppm	0.4760 ppm	0.4845 ppm	0.5002 ppm	0.5153 ppm	0.5238 ppm
Recovery Percentage 1	100.679 %	98.520 %	95.482 %	96.917 %	100.612 %	103.846 %	105.933 %
Concentration RSD	0.2 %	1.2 %	0.6 %	0.0 %	1.0 %	1.1 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4924 ppm	0.4991 ppm	0.5179 ppm	0.5127 ppm	0.5271 ppm	5.2951 ppm	0.5192 ppm
Concentration per Run 1	0.4934 ppm	0.4993 ppm	0.5175 ppm	0.5134 ppm	0.5335 ppm	5.3657 ppm	0.5274 ppm
Concentration per Run 2	0.4931 ppm	0.5002 ppm	0.5176 ppm	0.5132 ppm	0.5241 ppm	5.2645 ppm	0.5166 ppm
Concentration per Run 3	0.4907 ppm	0.4979 ppm	0.5187 ppm	0.5115 ppm	0.5235 ppm	5.2552 ppm	0.5137 ppm
Recovery Percentage 1	98.477 %	99.828 %	103.580 %	102.540 %	105.410 %	105.903 %	103.850 %
Concentration RSD	0.3 %	0.2 %	0.1 %	0.2 %	1.1 %	1.2 %	1.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5303 ppm	0.5249 ppm	0.4833 ppm	10.2449 ppm	0.5025 ppm	0.5018 ppm	0.5034 ppm
Concentration per Run 1	0.5337 ppm	0.5313 ppm	0.4838 ppm	10.3682 ppm	0.5026 ppm	0.5017 ppm	0.5038 ppm
Concentration per Run 2	0.5277 ppm	0.5215 ppm	0.4833 ppm	10.1708 ppm	0.5035 ppm	0.5020 ppm	0.5036 ppm
Concentration per Run 3	0.5296 ppm	0.5219 ppm	0.4829 ppm	10.1957 ppm	0.5014 ppm	0.5015 ppm	0.5030 ppm
Recovery Percentage 1	106.064 %	104.980 %	96.669 %	102.449 %	100.496 %	100.354 %	100.687 %
Concentration RSD	0.6 %	1.1 %	0.1 %	1.0 %	0.2 %	0.1 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4905 ppm	5.4432 ppm	0.4954 ppm	0.5068 ppm	0.5120 ppm	0.5095 ppm	0.5220 ppm
Concentration per Run 1	0.4879 ppm	5.4440 ppm	0.4979 ppm	0.5133 ppm	0.5126 ppm	0.5097 ppm	0.5225 ppm
Concentration per Run 2	0.4892 ppm	5.4539 ppm	0.4945 ppm	0.5038 ppm	0.5113 ppm	0.5111 ppm	0.5210 ppm
Concentration per Run 3	0.4944 ppm	5.4318 ppm	0.4937 ppm	0.5035 ppm	0.5123 ppm	0.5077 ppm	0.5225 ppm
Recovery Percentage 1	98.100 %	103.680 %	99.071 %	101.370 %	102.409 %	101.899 %	104.402 %
Concentration RSD	0.7 %	0.2 %	0.5 %	1.1 %	0.1 %	0.3 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4979 ppm	100.4694 %	99.3144 %	99.3953 %	101.2547 %	97.7008 %	100.2623 %
Concentration per Run 1	0.5002 ppm	100.7058 %	99.3438 %	99.3549 %	100.6477 %	97.7072 %	100.2738 %
Concentration per Run 2	0.4980 ppm	100.7502 %	99.5033 %	99.5552 %	102.0025 %	97.7136 %	100.4577 %
Concentration per Run 3	0.4956 ppm	99.9521 %	99.0962 %	99.2759 %	101.1139 %	97.6814 %	100.0554 %
Recovery Percentage 1	99.588 %						
Concentration RSD	0.5 %	0.4 %	0.2 %	0.1 %	0.7 %	0.0 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: ICB
Analysis started at: 9/29/2025 15:34:55
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	-0.0045 ppm	0.0016 ppm	0.0002 ppm	0.0003 ppm	0.0001 ppm	0.0052 ppm
Concentration per Run 1	0.0004 ppm	-0.0022 ppm	0.0018 ppm	0.0010 ppm	0.0005 ppm	0.0001 ppm	0.0053 ppm
Concentration per Run 2	0.0006 ppm	-0.0029 ppm	0.0025 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0021 ppm
Concentration per Run 3	0.0001 ppm	-0.0083 ppm	0.0006 ppm	0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0081 ppm
Recovery Percentage 1	7.283 %	-4.496 %	32.937 %	0.779 %	3.485 %	2.073 %	5.189 %
Concentration RSD	75.7 %	74.4 %	57.0 %	284.2 %	54.2 %	52.6 %	58.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0003 ppm	0.0231 ppm	0.0141 ppm	-0.0003 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0002 ppm	0.0263 ppm	0.0266 ppm	0.0004 ppm
Concentration per Run 2	0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0005 ppm	0.0213 ppm	0.0048 ppm	-0.0017 ppm
Concentration per Run 3	0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0217 ppm	0.0107 ppm	0.0003 ppm
Recovery Percentage 1	3.537 %	2.020 %	2.121 %	3.028 %	46.186 %	0.562 %	-3.358 %
Concentration RSD	12.9 %	51.5 %	145.9 %	59.2 %	11.9 %	80.2 %	344.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0105 ppm	0.0009 ppm	0.0013 ppm	0.0007 ppm
Concentration per Run 1	0.0018 ppm	0.0003 ppm	0.0001 ppm	0.0050 ppm	0.0006 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run 2	-0.0015 ppm	0.0002 ppm	0.0002 ppm	0.0140 ppm	0.0010 ppm	0.0013 ppm	0.0007 ppm
Concentration per Run 3	-0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0124 ppm	0.0011 ppm	0.0015 ppm	0.0011 ppm
Recovery Percentage 1	-0.216 %	1.800 %	0.179 %	0.524 %	3.485 %	12.573 %	1.436 %
Concentration RSD	818.0 %	43.1 %	60.1 %	45.5 %	32.6 %	23.6 %	54.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	0.0052 ppm	0.0003 ppm	0.0001 ppm	-0.0001 ppm	-0.0008 ppm	0.0003 ppm
Concentration per Run 1	0.0010 ppm	0.0058 ppm	0.0016 ppm	0.0000 ppm	-0.0001 ppm	-0.0005 ppm	0.0001 ppm
Concentration per Run 2	-0.0015 ppm	0.0049 ppm	-0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0012 ppm	0.0002 ppm
Concentration per Run 3	0.0013 ppm	0.0048 ppm	-0.0005 ppm	0.0001 ppm	-0.0004 ppm	-0.0007 ppm	0.0004 ppm
Recovery Percentage 1	2.733 %	1.032 %	0.667 %	0.619 %	-0.977 %	-3.957 %	2.555 %
Concentration RSD	550.7 %	11.1 %	332.6 %	58.0 %	296.4 %	44.3 %	61.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	101.3388 %	100.9232 %	100.5063 %	100.4971 %	99.8373 %	100.3575 %
Concentration per Run 1	0.0007 ppm	100.8480 %	100.8561 %	100.5483 %	99.4821 %	99.8756 %	100.3875 %
Concentration per Run 2	0.0009 ppm	101.5735 %	100.8553 %	100.5454 %	101.1051 %	99.9009 %	100.2362 %
Concentration per Run 3	0.0008 ppm	101.5949 %	101.0581 %	100.4251 %	100.9041 %	99.7354 %	100.4488 %
Recovery Percentage 1	15.514 %						
Concentration RSD	15.4 %	0.4 %	0.1 %	0.1 %	0.9 %	0.1 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: ICV
Analysis started at: 9/29/2025 15:44:57
Comments: <Comment>
Rack: 0
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4953 ppm	0.4930 ppm	0.4641 ppm	0.4748 ppm	0.4934 ppm	0.5017 ppm	0.5051 ppm
Concentration per Run 1	0.4953 ppm	0.4948 ppm	0.4662 ppm	0.4746 ppm	0.4978 ppm	0.5077 ppm	0.5124 ppm
Concentration per Run 2	0.4952 ppm	0.4896 ppm	0.4631 ppm	0.4761 ppm	0.4906 ppm	0.4984 ppm	0.5054 ppm
Concentration per Run 3	0.4955 ppm	0.4946 ppm	0.4629 ppm	0.4737 ppm	0.4918 ppm	0.4988 ppm	0.4974 ppm
Recovery Percentage 1	99.065 %	98.599 %	92.816 %	94.958 %	98.678 %	100.330 %	101.016 %
Concentration RSD	0.0 %	0.6 %	0.4 %	0.3 %	0.8 %	1.1 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4759 ppm	0.4839 ppm	0.5003 ppm	0.4970 ppm	0.4989 ppm	5.1741 ppm	0.5024 ppm
Concentration per Run 1	0.4754 ppm	0.4846 ppm	0.5004 ppm	0.4973 ppm	0.5038 ppm	5.2448 ppm	0.5071 ppm
Concentration per Run 2	0.4765 ppm	0.4845 ppm	0.5008 ppm	0.4962 ppm	0.4980 ppm	5.1289 ppm	0.5023 ppm
Concentration per Run 3	0.4760 ppm	0.4828 ppm	0.4996 ppm	0.4976 ppm	0.4950 ppm	5.1485 ppm	0.4978 ppm
Recovery Percentage 1	95.189 %	96.789 %	100.054 %	99.405 %	99.783 %	103.482 %	100.478 %
Concentration RSD	0.1 %	0.2 %	0.1 %	0.1 %	0.9 %	1.2 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5097 ppm	0.5055 ppm	0.4673 ppm	9.9495 ppm	0.4865 ppm	0.4848 ppm	0.4880 ppm
Concentration per Run 1	0.5075 ppm	0.5112 ppm	0.4671 ppm	10.0326 ppm	0.4880 ppm	0.4847 ppm	0.4901 ppm
Concentration per Run 2	0.5103 ppm	0.5033 ppm	0.4673 ppm	9.9179 ppm	0.4866 ppm	0.4845 ppm	0.4878 ppm
Concentration per Run 3	0.5112 ppm	0.5020 ppm	0.4676 ppm	9.8981 ppm	0.4849 ppm	0.4853 ppm	0.4862 ppm
Recovery Percentage 1	101.933 %	101.096 %	93.469 %	99.495 %	97.308 %	96.965 %	97.605 %
Concentration RSD	0.4 %	1.0 %	0.0 %	0.7 %	0.3 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4729 ppm	5.2736 ppm	0.4804 ppm	0.4701 ppm	0.4937 ppm	0.4929 ppm	0.5024 ppm
Concentration per Run 1	0.4726 ppm	5.2699 ppm	0.4810 ppm	0.4744 ppm	0.4942 ppm	0.4918 ppm	0.5027 ppm
Concentration per Run 2	0.4727 ppm	5.2824 ppm	0.4812 ppm	0.4672 ppm	0.4931 ppm	0.4926 ppm	0.5022 ppm
Concentration per Run 3	0.4734 ppm	5.2684 ppm	0.4791 ppm	0.4688 ppm	0.4938 ppm	0.4942 ppm	0.5022 ppm
Recovery Percentage 1	94.578 %	100.449 %	96.090 %	94.029 %	98.740 %	98.571 %	100.474 %
Concentration RSD	0.1 %	0.1 %	0.2 %	0.8 %	0.1 %	0.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4808 ppm	102.0845 %	100.1923 %	100.4090 %	102.2404 %	98.2986 %	100.7550 %
Concentration per Run 1	0.4799 ppm	100.9480 %	100.0918 %	100.4972 %	100.9559 %	98.4422 %	100.6556 %
Concentration per Run 2	0.4814 ppm	102.5947 %	100.1035 %	100.3133 %	102.8008 %	98.0357 %	100.7997 %
Concentration per Run 3	0.4811 ppm	102.7109 %	100.3815 %	100.4166 %	102.9644 %	98.4179 %	100.8098 %
Recovery Percentage 1	96.158 %						
Concentration RSD	0.2 %	1.0 %	0.2 %	0.1 %	1.1 %	0.2 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: ICB
Analysis started at: 9/29/2025 15:49:17
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0051 ppm
Concentration per Run 1	0.0006 ppm	0.0014 ppm	0.0019 ppm	0.0007 ppm	0.0002 ppm	0.0002 ppm	0.0051 ppm
Concentration per Run 2	0.0003 ppm	-0.0032 ppm	-0.0021 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0014 ppm
Concentration per Run 3	0.0002 ppm	0.0031 ppm	0.0003 ppm	0.0010 ppm	0.0002 ppm	0.0000 ppm	0.0089 ppm
Recovery Percentage 1	7.726 %	0.423 %	0.995 %	2.161 %	1.693 %	2.192 %	5.142 %
Concentration RSD	57.6 %	773.2 %	4,007.1 %	60.6 %	12.7 %	64.1 %	73.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0220 ppm	0.0284 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0003 ppm	0.0234 ppm	0.0165 ppm	0.0015 ppm
Concentration per Run 2	0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0212 ppm	0.0341 ppm	0.0004 ppm
Concentration per Run 3	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0214 ppm	0.0346 ppm	-0.0008 ppm
Recovery Percentage 1	5.306 %	1.809 %	3.030 %	2.839 %	44.018 %	1.136 %	3.745 %
Concentration RSD	31.3 %	54.1 %	54.4 %	29.6 %	5.4 %	36.2 %	316.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0020 ppm	0.0004 ppm	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0012 ppm	0.0004 ppm
Concentration per Run 1	0.0026 ppm	0.0001 ppm	0.0002 ppm	-0.0069 ppm	0.0000 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 2	0.0019 ppm	0.0005 ppm	0.0001 ppm	0.0015 ppm	0.0003 ppm	0.0020 ppm	-0.0001 ppm
Concentration per Run 3	0.0016 ppm	0.0006 ppm	-0.0001 ppm	0.0065 ppm	-0.0001 ppm	0.0012 ppm	0.0012 ppm
Recovery Percentage 1	2.042 %	3.831 %	0.130 %	0.020 %	0.384 %	12.203 %	0.796 %
Concentration RSD	25.7 %	68.6 %	181.7 %	1,722.5 %	220.8 %	62.1 %	177.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0001 ppm	0.0070 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	0.0024 ppm	0.0057 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0003 ppm
Concentration per Run 2	-0.0005 ppm	0.0059 ppm	0.0002 ppm	0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0002 ppm
Concentration per Run 3	-0.0015 ppm	0.0095 ppm	0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm
Recovery Percentage 1	0.972 %	1.406 %	0.553 %	0.488 %	0.217 %	0.146 %	1.903 %
Concentration RSD	2,085.8 %	30.0 %	79.0 %	181.5 %	492.2 %	1,493.9 %	43.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0007 ppm	101.7407 %	100.4212 %	99.9392 %	100.4772 %	99.1586 %	99.7295 %
Concentration per Run 1	0.0006 ppm	101.1754 %	100.3642 %	99.7296 %	99.6515 %	99.1232 %	99.7573 %
Concentration per Run 2	0.0009 ppm	102.1841 %	100.4687 %	100.2845 %	101.3040 %	99.3984 %	99.7109 %
Concentration per Run 3	0.0008 ppm	101.8626 %	100.4307 %	99.8034 %	100.4762 %	98.9542 %	99.7204 %
Recovery Percentage 1	14.627 %						
Concentration RSD	19.9 %	0.5 %	0.1 %	0.3 %	0.8 %	0.2 %	0.0 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: ICSA
Analysis started at: 9/29/2025 15:58:25
Comments: <Comment>
Rack: 0
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0006 ppm	522.8205 [SIC 500]	-0.0005 ppm	0.0007 ppm	0.0019 ppm	-0.0002 ppm	493.9776 ppm
Concentration per Run 1	0.0012 ppm	516.0441 ppm	0.0002 ppm	0.0000 ppm	0.0020 ppm	-0.0002 ppm	488.5514 ppm
Concentration per Run 2	0.0004 ppm	529.8659 ppm	-0.0014 ppm	0.0005 ppm	0.0019 ppm	-0.0002 ppm	498.4957 ppm
Concentration per Run 3	0.0002 ppm	522.5516 ppm	-0.0002 ppm	0.0017 ppm	0.0019 ppm	-0.0002 ppm	494.8858 ppm
Recovery Percentage 1	12.446 %	522,820.531 %	-9.835 %	2.445 %	19.056 %	-3.694 %	493,977.647 %
Concentration RSD	86.9 %	1.3 %	169.1 %	115.3 %	4.7 %	19.7 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0033 ppm	0.0001 ppm	0.0000 ppm	0.0023 ppm	187.3916 ppm	-0.0219 ppm	-0.0040 ppm
Concentration per Run 1	-0.0034 ppm	0.0004 ppm	0.0002 ppm	0.0023 ppm	187.0611 ppm	-0.0305 ppm	-0.0047 ppm
Concentration per Run 2	-0.0034 ppm	0.0000 ppm	-0.0001 ppm	0.0023 ppm	188.3207 ppm	-0.0214 ppm	-0.0034 ppm
Concentration per Run 3	-0.0033 ppm	-0.0001 ppm	-0.0002 ppm	0.0023 ppm	186.7930 ppm	-0.0138 ppm	-0.0039 ppm
Recovery Percentage 1	-83.190 %	1.179 %	-0.282 %	22.979 %	374,783.194 %	-0.876 %	-39.987 %
Concentration RSD	1.6 %	242.8 %	570.0 %	0.8 %	0.4 %	38.1 %	15.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	503.2193 [SIC 500]	0.0021 ppm	-0.0017 ppm	0.0302 ppm	0.0081 ppm	-0.0059 ppm	-0.0019 ppm
Concentration per Run 1	504.7437 ppm	0.0021 ppm	-0.0022 ppm	0.0384 ppm	0.0093 ppm	-0.0071 ppm	-0.0012 ppm
Concentration per Run 2	503.0998 ppm	0.0018 ppm	-0.0013 ppm	0.0226 ppm	0.0059 ppm	-0.0053 ppm	-0.0045 ppm
Concentration per Run 3	501.8142 ppm	0.0023 ppm	-0.0016 ppm	0.0296 ppm	0.0092 ppm	-0.0053 ppm	-0.0001 ppm
Recovery Percentage 1	503,219.254 %	20.856 %	-3.361 %	1.509 %	32.563 %	-59.086 %	-3.888 %
Concentration RSD	0.3 %	12.6 %	27.6 %	26.2 %	23.9 %	17.4 %	117.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0093 ppm	0.0102 ppm	0.0061 ppm	-0.0021 ppm	0.0015 ppm	0.0017 ppm	-0.0016 ppm
Concentration per Run 1	0.0072 ppm	0.0100 ppm	0.0064 ppm	-0.0021 ppm	0.0016 ppm	0.0005 ppm	-0.0015 ppm
Concentration per Run 2	0.0101 ppm	0.0101 ppm	0.0056 ppm	-0.0022 ppm	0.0012 ppm	0.0044 ppm	-0.0016 ppm
Concentration per Run 3	0.0106 ppm	0.0106 ppm	0.0062 ppm	-0.0022 ppm	0.0016 ppm	0.0002 ppm	-0.0016 ppm
Recovery Percentage 1	92.879 %	2.048 %	12.113 %	-21.335 %	14.746 %	8.415 %	-15.553 %
Concentration RSD	20.0 %	3.1 %	7.2 %	2.8 %	18.5 %	140.1 %	2.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0012 ppm	97.2680 %	86.6077 %	86.8158 %	96.8093 %	73.5681 %	86.6448 %
Concentration per Run 1	-0.0014 ppm	97.3371 %	86.3852 %	87.0804 %	97.3685 %	74.0047 %	86.5255 %
Concentration per Run 2	-0.0012 ppm	96.6294 %	86.6824 %	87.0043 %	96.1932 %	73.8073 %	86.6633 %
Concentration per Run 3	-0.0011 ppm	97.8374 %	86.7556 %	86.3628 %	96.8661 %	72.8924 %	86.7456 %
Recovery Percentage 1	-24.877 %						
Concentration RSD	9.6 %	0.6 %	0.2 %	0.5 %	0.6 %	0.8 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: SIC Multi
Analysis started at: 9/29/2025 16:03:23
Comments: <Comment>
Rack: 0
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0015 ppm	0.0368 ppm	-0.0039 ppm	0.0024 ppm	0.0001 ppm	-0.0057 ppm	0.0754 ppm
Concentration per Run 1	-0.0016 ppm	0.0575 ppm	-0.0046 ppm	0.0024 ppm	0.0002 ppm	-0.0058 ppm	0.0933 ppm
Concentration per Run 2	-0.0016 ppm	0.0268 ppm	-0.0055 ppm	0.0023 ppm	-0.0002 ppm	-0.0057 ppm	0.0702 ppm
Concentration per Run 3	-0.0013 ppm	0.0261 ppm	-0.0016 ppm	0.0026 ppm	0.0002 ppm	-0.0057 ppm	0.0626 ppm
Recovery Percentage 1	-30.592 %	36.762 %	-77.859 %	8.099 %	0.782 %	-114.107 %	75.374 %
Concentration RSD	10.3 %	48.8 %	53.0 %	6.9 %	294.1 %	0.9 %	21.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0027 ppm	-0.0098 ppm	20.5329 ppm	0.0036 ppm	0.0387 ppm	0.0231 ppm	-0.0008 ppm
Concentration per Run 1	-0.0027 ppm	-0.0099 ppm	20.5411 ppm	0.0035 ppm	0.0526 ppm	0.0079 ppm	-0.0008 ppm
Concentration per Run 2	-0.0027 ppm	-0.0097 ppm	20.5467 ppm	0.0037 ppm	0.0333 ppm	0.0402 ppm	-0.0014 ppm
Concentration per Run 3	-0.0028 ppm	-0.0097 ppm	20.5108 ppm	0.0037 ppm	0.0300 ppm	0.0210 ppm	-0.0001 ppm
Recovery Percentage 1	-68.478 %	-97.766 %	205,328.764 %	36.487 %	77.316 %	0.922 %	-7.829 %
Concentration RSD	0.6 %	1.5 %	0.1 %	2.6 %	31.6 %	70.5 %	78.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0011 ppm	21.0742 [SIC 40]	-0.0031 ppm	0.0095 ppm	-0.0019 ppm	0.0027 ppm	-0.0038 ppm
Concentration per Run 1	-0.0009 ppm	21.3392 ppm	-0.0033 ppm	0.0034 ppm	-0.0021 ppm	0.0024 ppm	-0.0037 ppm
Concentration per Run 2	-0.0006 ppm	20.9758 ppm	-0.0029 ppm	0.0045 ppm	-0.0012 ppm	0.0036 ppm	-0.0032 ppm
Concentration per Run 3	0.0048 ppm	20.9075 ppm	-0.0032 ppm	0.0206 ppm	-0.0024 ppm	0.0020 ppm	-0.0046 ppm
Recovery Percentage 1	1.070 %	210,741.669 %	-6.235 %	0.475 %	-7.640 %	26.853 %	-7.626 %
Concentration RSD	301.1 %	1.1 %	6.5 %	101.3 %	31.3 %	30.9 %	18.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0090 ppm	0.1514 ppm	-0.0020 ppm	0.0001 ppm	20.2235 ppm	-0.0119 ppm	10.4179 [SIC 10]
Concentration per Run 1	-0.0085 ppm	0.1508 ppm	-0.0014 ppm	0.0000 ppm	20.3384 ppm	-0.0127 ppm	10.4067 ppm
Concentration per Run 2	-0.0093 ppm	0.1524 ppm	-0.0030 ppm	0.0001 ppm	20.1664 ppm	-0.0118 ppm	10.4435 ppm
Concentration per Run 3	-0.0092 ppm	0.1509 ppm	-0.0018 ppm	0.0000 ppm	20.1657 ppm	-0.0113 ppm	10.4035 ppm
Recovery Percentage 1	-90.267 %	30.276 %	-4.097 %	0.546 %	202,234.832 %	-59.639 %	104,178.812 %
Concentration RSD	5.0 %	0.6 %	39.5 %	112.3 %	0.5 %	6.0 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0025 ppm	101.8533 %	99.4632 %	100.3413 %	100.7709 %	97.7343 %	98.7515 %
Concentration per Run 1	0.0025 ppm	100.9674 %	99.4838 %	100.4248 %	99.4731 %	97.9644 %	98.7718 %
Concentration per Run 2	0.0024 ppm	102.2085 %	99.2126 %	100.4527 %	101.3082 %	97.5693 %	98.5398 %
Concentration per Run 3	0.0026 ppm	102.3840 %	99.6930 %	100.1463 %	101.5314 %	97.6691 %	98.9430 %
Recovery Percentage 1	50.200 %						
Concentration RSD	4.1 %	0.8 %	0.2 %	0.2 %	1.1 %	0.2 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: LDR Check
Analysis started at: 9/29/2025 16:08:10
Comments: <Comment>
Rack: 0
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0008 ppm	0.0088 ppm	5.4957 ppm	5.0915 [SIC 20]	9.9374 ppm	0.0005 ppm	-0.0022 ppm
Concentration per Run 1	0.0006 ppm	0.0086 ppm	5.5017 ppm	5.0904 ppm	9.9271 ppm	0.0005 ppm	0.0033 ppm
Concentration per Run 2	0.0010 ppm	0.0138 ppm	5.4851 ppm	5.0838 ppm	9.8131 ppm	0.0005 ppm	-0.0075 ppm
Concentration per Run 3	0.0008 ppm	0.0039 ppm	5.5004 ppm	5.1003 ppm	10.0721 ppm	0.0005 ppm	-0.0024 ppm
Recovery Percentage 1	0.000 %	0.000 %	109.914 %	101.831 %	99.374 %	0.000 %	0.000 %
Concentration RSD	23.3 %	56.3 %	0.2 %	0.2 %	1.3 %	6.1 %	244.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0005 ppm	0.0022 ppm	-0.0001 ppm	20.3889 [SIC 20]	-0.0081 ppm	322.0859 ppm	5.2118 ppm
Concentration per Run 1	-0.0004 ppm	0.0021 ppm	0.0001 ppm	20.2562 ppm	-0.0071 ppm	322.1803 ppm	5.2121 ppm
Concentration per Run 2	-0.0004 ppm	0.0022 ppm	-0.0002 ppm	20.5246 ppm	-0.0079 ppm	321.4281 ppm	5.2039 ppm
Concentration per Run 3	-0.0005 ppm	0.0023 ppm	-0.0002 ppm	20.3860 ppm	-0.0093 ppm	322.6493 ppm	5.2194 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	101.945 %	0.000 %	107.362 %	104.236 %
Concentration RSD	4.8 %	3.2 %	164.7 %	0.7 %	13.8 %	0.2 %	0.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0190 ppm	0.0010 ppm	5.0866 [SIC 20]	494.1290 ppm	10.1351 [SIC 20]	49.0003 ppm	-0.0329 ppm
Concentration per Run 1	-0.0137 ppm	0.0016 ppm	5.0889 ppm	489.9244 ppm	10.1538 ppm	49.0584 ppm	-0.0331 ppm
Concentration per Run 2	-0.0211 ppm	0.0009 ppm	5.0823 ppm	497.9789 ppm	10.1186 ppm	48.9573 ppm	-0.0335 ppm
Concentration per Run 3	-0.0220 ppm	0.0006 ppm	5.0888 ppm	494.4836 ppm	10.1329 ppm	48.9851 ppm	-0.0321 ppm
Recovery Percentage 1	0.000 %	0.000 %	101.733 %	98.826 %	101.351 %	98.001 %	0.000 %
Concentration RSD	23.9 %	50.7 %	0.1 %	0.8 %	0.2 %	0.1 %	2.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0017 ppm	22.0340 [SIC 200]	0.0027 ppm	0.0008 ppm	0.0002 ppm	-0.0009 ppm	-0.0068 ppm
Concentration per Run 1	-0.0032 ppm	22.0199 ppm	0.0034 ppm	0.0008 ppm	0.0007 ppm	-0.0019 ppm	-0.0067 ppm
Concentration per Run 2	-0.0014 ppm	22.0078 ppm	0.0017 ppm	0.0008 ppm	0.0001 ppm	0.0004 ppm	-0.0071 ppm
Concentration per Run 3	-0.0006 ppm	22.0744 ppm	0.0030 ppm	0.0009 ppm	-0.0003 ppm	-0.0010 ppm	-0.0067 ppm
Recovery Percentage 1	0.000 %	110.170 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	77.6 %	0.2 %	33.7 %	8.2 %	262.7 %	133.1 %	3.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	20.4932 [SIC 20]	97.1862 %	89.6071 %	87.6441 %	98.6229 %	84.7787 %	90.2104 %
Concentration per Run 1	20.5399 ppm	97.2989 %	89.3484 %	87.4023 %	98.7524 %	84.7111 %	90.0003 %
Concentration per Run 2	20.4827 ppm	97.6302 %	89.8437 %	87.7540 %	99.1336 %	84.7918 %	90.3880 %
Concentration per Run 3	20.4570 ppm	96.6293 %	89.6291 %	87.7760 %	97.9828 %	84.8331 %	90.2429 %
Recovery Percentage 1	102.466 %						
Concentration RSD	0.2 %	0.5 %	0.3 %	0.2 %	0.6 %	0.1 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: LLOQ
Analysis started at: 9/29/2025 16:32:20
Comments: <Comment>
Rack: 0
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0052 ppm	0.1037 ppm	0.0040 ppm	0.0333 ppm	0.0104 ppm	0.0051 ppm	0.1028 ppm
Concentration per Run 1	0.0051 ppm	0.1066 ppm	0.0040 ppm	0.0329 ppm	0.0107 ppm	0.0051 ppm	0.1088 ppm
Concentration per Run 2	0.0053 ppm	0.1005 ppm	0.0042 ppm	0.0339 ppm	0.0103 ppm	0.0051 ppm	0.1007 ppm
Concentration per Run 3	0.0052 ppm	0.1041 ppm	0.0038 ppm	0.0330 ppm	0.0102 ppm	0.0051 ppm	0.0990 ppm
Recovery Percentage 1	104.321 %	103.721 %	80.050 %	110.995 %	103.988 %	101.684 %	102.813 %
Concentration RSD	2.7 %	2.9 %	5.1 %	1.7 %	2.8 %	0.3 %	5.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0039 ppm	0.0097 ppm	0.0106 ppm	0.0108 ppm	0.0490 ppm	2.6314 ppm	0.0105 ppm
Concentration per Run 1	0.0039 ppm	0.0096 ppm	0.0103 ppm	0.0107 ppm	0.0526 ppm	2.6565 ppm	0.0113 ppm
Concentration per Run 2	0.0039 ppm	0.0099 ppm	0.0107 ppm	0.0109 ppm	0.0471 ppm	2.6363 ppm	0.0098 ppm
Concentration per Run 3	0.0039 ppm	0.0098 ppm	0.0107 ppm	0.0108 ppm	0.0473 ppm	2.6014 ppm	0.0103 ppm
Recovery Percentage 1	97.048 %	97.433 %	105.576 %	107.913 %	97.962 %	105.257 %	104.734 %
Concentration RSD	0.7 %	1.7 %	1.8 %	0.6 %	6.4 %	1.1 %	7.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1101 ppm	0.0106 ppm	0.0498 ppm	2.0150 ppm	0.0202 ppm	0.0127 ppm	0.0502 ppm
Concentration per Run 1	0.1092 ppm	0.0109 ppm	0.0504 ppm	2.0327 ppm	0.0206 ppm	0.0116 ppm	0.0508 ppm
Concentration per Run 2	0.1108 ppm	0.0105 ppm	0.0498 ppm	2.0099 ppm	0.0198 ppm	0.0125 ppm	0.0496 ppm
Concentration per Run 3	0.1102 ppm	0.0104 ppm	0.0493 ppm	2.0023 ppm	0.0201 ppm	0.0139 ppm	0.0503 ppm
Recovery Percentage 1	110.075 %	106.058 %	99.669 %	100.748 %	100.804 %	126.852 %	100.474 %
Concentration RSD	0.7 %	2.7 %	1.1 %	0.8 %	1.8 %	8.8 %	1.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0096 ppm	0.5191 ppm	0.0493 ppm	0.0099 ppm	0.0105 ppm	0.0193 ppm	0.0104 ppm
Concentration per Run 1	0.0092 ppm	0.5158 ppm	0.0495 ppm	0.0099 ppm	0.0109 ppm	0.0201 ppm	0.0103 ppm
Concentration per Run 2	0.0100 ppm	0.5213 ppm	0.0486 ppm	0.0100 ppm	0.0100 ppm	0.0188 ppm	0.0101 ppm
Concentration per Run 3	0.0097 ppm	0.5202 ppm	0.0497 ppm	0.0097 ppm	0.0106 ppm	0.0191 ppm	0.0108 ppm
Recovery Percentage 1	96.178 %	103.825 %	98.539 %	98.624 %	105.155 %	96.721 %	104.200 %
Concentration RSD	3.9 %	0.6 %	1.2 %	1.5 %	4.5 %	3.6 %	3.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0054 ppm	101.2151 %	100.7033 %	100.2484 %	102.9739 %	99.4592 %	102.3078 %
Concentration per Run 1	0.0053 ppm	100.8560 %	101.1430 %	100.8316 %	102.4071 %	100.1649 %	102.8821 %
Concentration per Run 2	0.0054 ppm	102.0472 %	100.3633 %	99.8728 %	103.7846 %	98.9820 %	101.9721 %
Concentration per Run 3	0.0054 ppm	100.7421 %	100.6036 %	100.0410 %	102.7302 %	99.2309 %	102.0692 %
Recovery Percentage 1	107.957 %						
Concentration RSD	0.8 %	0.7 %	0.4 %	0.5 %	0.7 %	0.6 %	0.5 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: LLOQ .01 Pb pass
 Analysis started at: 9/29/2025 16:43:48
 Comments: <Comment>
 Rack: 1
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0103 ppm	0.0114 ppm	0.0108 ppm	0.0100 ppm	0.0106 ppm	0.0105 ppm	0.0200 ppm
Concentration per Run 1	0.0105 ppm	0.0164 ppm	0.0106 ppm	0.0098 ppm	0.0107 ppm	0.0105 ppm	0.0225 ppm
Concentration per Run 2	0.0105 ppm	0.0102 ppm	0.0107 ppm	0.0102 ppm	0.0105 ppm	0.0104 ppm	0.0164 ppm
Concentration per Run 3	0.0098 ppm	0.0077 ppm	0.0110 ppm	0.0100 ppm	0.0106 ppm	0.0105 ppm	0.0210 ppm
Recovery Percentage 1	0.000 %	0.000 %	107.878 %	100.203 %	106.027 %	0.000 %	0.000 %
Concentration RSD	4.2 %	39.2 %	1.6 %	2.3 %	0.8 %	0.3 %	16.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0100 ppm	0.0102 ppm	0.0111 ppm	0.0108 ppm	0.0104 ppm	0.1513 ppm	0.0100 ppm
Concentration per Run 1	0.0101 ppm	0.0102 ppm	0.0111 ppm	0.0109 ppm	0.0110 ppm	0.1194 ppm	0.0106 ppm
Concentration per Run 2	0.0100 ppm	0.0102 ppm	0.0109 ppm	0.0109 ppm	0.0094 ppm	0.1480 ppm	0.0090 ppm
Concentration per Run 3	0.0100 ppm	0.0102 ppm	0.0113 ppm	0.0105 ppm	0.0108 ppm	0.1863 ppm	0.0103 ppm
Recovery Percentage 1	0.000 %	102.197 %	111.045 %	107.631 %	0.000 %	0.000 %	99.942 %
Concentration RSD	0.2 %	0.2 %	1.6 %	2.2 %	8.6 %	22.2 %	8.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0147 ppm	0.0113 ppm	0.0097 ppm	0.2592 ppm	0.0111 ppm	0.0112 ppm	0.0095 ppm
Concentration per Run 1	0.0174 ppm	0.0114 ppm	0.0100 ppm	0.2695 ppm	0.0111 ppm	0.0114 ppm	0.0099 ppm
Concentration per Run 2	0.0138 ppm	0.0110 ppm	0.0096 ppm	0.2514 ppm	0.0109 ppm	0.0112 ppm	0.0097 ppm
Concentration per Run 3	0.0129 ppm	0.0115 ppm	0.0095 ppm	0.2567 ppm	0.0113 ppm	0.0111 ppm	0.0088 ppm
Recovery Percentage 1	0.000 %	112.952 %	96.880 %	0.000 %	110.945 %	112.317 %	0.000 %
Concentration RSD	16.3 %	2.5 %	2.4 %	3.6 %	1.7 %	1.6 %	6.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0108 ppm	0.1289 ppm	0.0106 ppm	0.0105 ppm	0.0110 ppm	0.0105 ppm	0.0107 ppm
Concentration per Run 1	0.0112 ppm	0.1288 ppm	0.0109 ppm	0.0106 ppm	0.0111 ppm	0.0096 ppm	0.0105 ppm
Concentration per Run 2	0.0132 ppm	0.1287 ppm	0.0105 ppm	0.0104 ppm	0.0110 ppm	0.0113 ppm	0.0110 ppm
Concentration per Run 3	0.0079 ppm	0.1291 ppm	0.0106 ppm	0.0104 ppm	0.0108 ppm	0.0108 ppm	0.0107 ppm
Recovery Percentage 1	107.700 %	0.000 %	106.358 %	104.523 %	109.638 %	105.441 %	107.303 %
Concentration RSD	24.6 %	0.1 %	1.8 %	1.1 %	1.7 %	8.3 %	2.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0101 ppm	100.0801 %	101.1954 %	100.2188 %	101.3592 %	99.7902 %	102.3858 %
Concentration per Run 1	0.0103 ppm	99.4414 %	100.2276 %	100.1591 %	100.7394 %	99.7691 %	101.2472 %
Concentration per Run 2	0.0100 ppm	100.4564 %	100.5136 %	100.0956 %	101.5976 %	99.5829 %	101.4948 %
Concentration per Run 3	0.0101 ppm	100.3426 %	102.8451 %	100.4018 %	101.7405 %	100.0187 %	104.4154 %
Recovery Percentage 1	101.445 %						
Concentration RSD	1.6 %	0.6 %	1.4 %	0.2 %	0.5 %	0.2 %	1.7 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCV
Analysis started at: 9/29/2025 16:48:19
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4992 ppm	0.5005 ppm	0.4786 ppm	0.4843 ppm	0.5066 ppm	0.5235 ppm	0.5294 ppm
Concentration per Run 1	0.4994 ppm	0.4981 ppm	0.4801 ppm	0.4849 ppm	0.5031 ppm	0.5210 ppm	0.5305 ppm
Concentration per Run 2	0.4987 ppm	0.5147 ppm	0.4752 ppm	0.4833 ppm	0.5195 ppm	0.5360 ppm	0.5412 ppm
Concentration per Run 3	0.4994 ppm	0.4886 ppm	0.4807 ppm	0.4847 ppm	0.4973 ppm	0.5136 ppm	0.5165 ppm
Recovery Percentage 1	99.836 %	100.100 %	95.727 %	96.858 %	101.325 %	104.708 %	105.882 %
Concentration RSD	0.1 %	2.6 %	0.6 %	0.2 %	2.3 %	2.2 %	2.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4919 ppm	0.4974 ppm	0.5187 ppm	0.5092 ppm	0.5306 ppm	5.3191 ppm	0.5217 ppm
Concentration per Run 1	0.4933 ppm	0.4993 ppm	0.5181 ppm	0.5097 ppm	0.5299 ppm	5.2755 ppm	0.5159 ppm
Concentration per Run 2	0.4911 ppm	0.4954 ppm	0.5201 ppm	0.5078 ppm	0.5413 ppm	5.4621 ppm	0.5370 ppm
Concentration per Run 3	0.4914 ppm	0.4974 ppm	0.5178 ppm	0.5102 ppm	0.5207 ppm	5.2195 ppm	0.5121 ppm
Recovery Percentage 1	98.386 %	99.474 %	103.733 %	101.849 %	106.127 %	106.381 %	104.341 %
Concentration RSD	0.2 %	0.4 %	0.2 %	0.3 %	2.0 %	2.4 %	2.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5326 ppm	0.5298 ppm	0.4827 ppm	10.2484 ppm	0.5002 ppm	0.5015 ppm	0.5007 ppm
Concentration per Run 1	0.5305 ppm	0.5282 ppm	0.4837 ppm	10.1713 ppm	0.5015 ppm	0.5036 ppm	0.5025 ppm
Concentration per Run 2	0.5354 ppm	0.5422 ppm	0.4819 ppm	10.5025 ppm	0.4994 ppm	0.5019 ppm	0.4987 ppm
Concentration per Run 3	0.5319 ppm	0.5190 ppm	0.4825 ppm	10.0713 ppm	0.4996 ppm	0.4992 ppm	0.5011 ppm
Recovery Percentage 1	106.521 %	105.959 %	96.543 %	102.484 %	100.032 %	100.307 %	100.147 %
Concentration RSD	0.5 %	2.2 %	0.2 %	2.2 %	0.2 %	0.4 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4932 ppm	5.4717 ppm	0.4933 ppm	0.5142 ppm	0.5141 ppm	0.5053 ppm	0.5228 ppm
Concentration per Run 1	0.4925 ppm	5.4910 ppm	0.4954 ppm	0.5108 ppm	0.5153 ppm	0.5060 ppm	0.5243 ppm
Concentration per Run 2	0.4933 ppm	5.4654 ppm	0.4934 ppm	0.5272 ppm	0.5138 ppm	0.5064 ppm	0.5223 ppm
Concentration per Run 3	0.4937 ppm	5.4588 ppm	0.4912 ppm	0.5047 ppm	0.5132 ppm	0.5035 ppm	0.5218 ppm
Recovery Percentage 1	98.632 %	104.224 %	98.666 %	102.844 %	102.824 %	101.056 %	104.566 %
Concentration RSD	0.1 %	0.3 %	0.4 %	2.3 %	0.2 %	0.3 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4978 ppm	99.8397 %	99.6992 %	99.9142 %	101.3956 %	98.1492 %	101.2326 %
Concentration per Run 1	0.4993 ppm	100.8399 %	99.7270 %	99.8683 %	101.8837 %	97.9103 %	101.2739 %
Concentration per Run 2	0.4970 ppm	97.4320 %	99.7550 %	99.7958 %	99.5129 %	98.3457 %	101.3829 %
Concentration per Run 3	0.4971 ppm	101.2471 %	99.6155 %	100.0783 %	102.7902 %	98.1915 %	101.0410 %
Recovery Percentage 1	99.558 %						
Concentration RSD	0.3 %	2.1 %	0.1 %	0.1 %	1.7 %	0.2 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCB
 Analysis started at: 9/29/2025 16:52:35
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	-0.0032 ppm	-0.0002 ppm	0.0011 ppm	0.0003 ppm	0.0001 ppm	0.0074 ppm
Concentration per Run 1	0.0001 ppm	0.0012 ppm	-0.0007 ppm	0.0013 ppm	0.0002 ppm	0.0002 ppm	0.0037 ppm
Concentration per Run 2	0.0005 ppm	-0.0054 ppm	0.0001 ppm	0.0012 ppm	0.0002 ppm	0.0001 ppm	0.0136 ppm
Concentration per Run 3	0.0005 ppm	-0.0053 ppm	0.0001 ppm	0.0009 ppm	0.0004 ppm	0.0001 ppm	0.0049 ppm
Recovery Percentage 1	7.971 %	-3.155 %	-3.168 %	3.646 %	2.687 %	2.656 %	7.365 %
Concentration RSD	56.9 %	120.6 %	294.8 %	18.6 %	50.2 %	31.7 %	73.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0007 ppm	0.0234 ppm	0.0266 ppm	0.0005 ppm
Concentration per Run 1	0.0003 ppm	0.0004 ppm	0.0003 ppm	0.0005 ppm	0.0242 ppm	0.0195 ppm	0.0016 ppm
Concentration per Run 2	0.0002 ppm	0.0004 ppm	0.0004 ppm	0.0006 ppm	0.0227 ppm	0.0239 ppm	-0.0008 ppm
Concentration per Run 3	0.0002 ppm	0.0003 ppm	0.0002 ppm	0.0010 ppm	0.0233 ppm	0.0366 ppm	0.0006 ppm
Recovery Percentage 1	5.790 %	3.458 %	3.018 %	6.696 %	46.788 %	1.066 %	4.806 %
Concentration RSD	28.0 %	23.1 %	47.1 %	38.2 %	3.1 %	33.2 %	253.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0026 ppm	0.0004 ppm	0.0002 ppm	0.0100 ppm	0.0008 ppm	0.0018 ppm	0.0009 ppm
Concentration per Run 1	0.0019 ppm	0.0005 ppm	0.0003 ppm	0.0118 ppm	0.0011 ppm	0.0022 ppm	0.0005 ppm
Concentration per Run 2	0.0045 ppm	0.0005 ppm	0.0001 ppm	0.0052 ppm	0.0003 ppm	0.0021 ppm	0.0004 ppm
Concentration per Run 3	0.0013 ppm	0.0002 ppm	0.0001 ppm	0.0130 ppm	0.0009 ppm	0.0011 ppm	0.0018 ppm
Recovery Percentage 1	2.557 %	3.840 %	0.384 %	0.499 %	3.077 %	18.126 %	1.781 %
Concentration RSD	66.0 %	39.0 %	44.6 %	41.8 %	54.9 %	31.9 %	86.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0015 ppm	0.0062 ppm	0.0005 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 1	0.0024 ppm	0.0069 ppm	0.0013 ppm	0.0002 ppm	0.0005 ppm	0.0019 ppm	0.0001 ppm
Concentration per Run 2	0.0019 ppm	0.0056 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0004 ppm	0.0004 ppm
Concentration per Run 3	0.0002 ppm	0.0059 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm	-0.0016 ppm	0.0003 ppm
Recovery Percentage 1	14.930 %	1.231 %	1.049 %	2.103 %	1.885 %	-0.218 %	2.501 %
Concentration RSD	76.8 %	11.2 %	122.6 %	19.6 %	159.8 %	4,113.2 %	70.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	100.9874 %	100.6290 %	98.4835 %	101.7464 %	98.5064 %	101.7445 %
Concentration per Run 1	0.0011 ppm	102.0230 %	100.5202 %	99.3021 %	102.2621 %	99.3855 %	101.7091 %
Concentration per Run 2	0.0010 ppm	100.0709 %	100.5882 %	98.4304 %	101.1332 %	98.7106 %	101.6346 %
Concentration per Run 3	0.0008 ppm	100.8685 %	100.7786 %	97.7180 %	101.8440 %	97.4231 %	101.8897 %
Recovery Percentage 1	19.638 %						
Concentration RSD	16.6 %	1.0 %	0.1 %	0.8 %	0.6 %	1.0 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2119746-1 WG2119746
 Analysis started at: 9/29/2025 17:16:51
 Comments: <Comment>
 Rack: 1
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0005 ppm	0.0006 ppm	0.0044 ppm	0.0001 ppm	-0.0001 ppm	0.0312 ppm
Concentration per Run 1	0.0002 ppm	-0.0028 ppm	0.0014 ppm	0.0044 ppm	0.0001 ppm	-0.0001 ppm	0.0332 ppm
Concentration per Run 2	0.0002 ppm	-0.0024 ppm	-0.0010 ppm	0.0045 ppm	0.0000 ppm	-0.0001 ppm	0.0317 ppm
Concentration per Run 3	0.0003 ppm	0.0038 ppm	0.0015 ppm	0.0043 ppm	0.0001 ppm	-0.0001 ppm	0.0288 ppm
Recovery Percentage 1	4.587 %	-0.485 %	12.955 %	14.589 %	0.632 %	-1.790 %	31.203 %
Concentration RSD	21.0 %	765.9 %	221.5 %	3.0 %	28.2 %	4.3 %	7.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.0011 ppm	0.0015 ppm	0.0313 ppm	0.0005 ppm
Concentration per Run 1	0.0001 ppm	-0.0003 ppm	0.0008 ppm	0.0010 ppm	0.0028 ppm	0.0147 ppm	0.0008 ppm
Concentration per Run 2	0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0012 ppm	0.0005 ppm	0.0309 ppm	0.0001 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0012 ppm	0.0010 ppm	0.0483 ppm	0.0006 ppm
Recovery Percentage 1	1.790 %	-1.519 %	5.287 %	11.472 %	2.910 %	1.252 %	5.032 %
Concentration RSD	7.5 %	102.9 %	56.8 %	13.2 %	83.7 %	53.7 %	69.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0039 ppm	0.0005 ppm	-0.0002 ppm	141.9288 ppm	0.0020 ppm	0.0015 ppm	0.0010 ppm
Concentration per Run 1	0.0060 ppm	0.0005 ppm	-0.0002 ppm	142.4806 ppm	0.0023 ppm	0.0012 ppm	0.0011 ppm
Concentration per Run 2	0.0037 ppm	0.0005 ppm	-0.0001 ppm	141.0291 ppm	0.0018 ppm	0.0018 ppm	0.0004 ppm
Concentration per Run 3	0.0020 ppm	0.0004 ppm	-0.0002 ppm	142.2768 ppm	0.0018 ppm	0.0015 ppm	0.0015 ppm
Recovery Percentage 1	3.909 %	4.696 %	-0.333 %	7,096.441 %	7.876 %	14.815 %	1.969 %
Concentration RSD	51.0 %	14.7 %	51.3 %	0.6 %	15.5 %	20.1 %	53.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.0468 ppm	0.0004 ppm	0.0001 ppm	-0.0003 ppm	-0.0032 ppm	0.0000 ppm
Concentration per Run 1	-0.0017 ppm	0.0475 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	-0.0030 ppm	0.0002 ppm
Concentration per Run 2	0.0040 ppm	0.0471 ppm	0.0007 ppm	0.0000 ppm	-0.0001 ppm	-0.0036 ppm	-0.0001 ppm
Concentration per Run 3	0.0017 ppm	0.0457 ppm	0.0011 ppm	0.0001 ppm	-0.0006 ppm	-0.0030 ppm	0.0000 ppm
Recovery Percentage 1	13.398 %	9.351 %	0.883 %	0.648 %	-2.548 %	-16.051 %	0.253 %
Concentration RSD	213.8 %	2.0 %	176.5 %	147.6 %	126.5 %	10.5 %	484.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0025 ppm	98.3219 %	94.8337 %	95.6881 %	100.9332 %	89.1068 %	96.8280 %
Concentration per Run 1	0.0025 ppm	98.4022 %	94.6997 %	95.5488 %	100.8481 %	88.8516 %	96.6651 %
Concentration per Run 2	0.0025 ppm	98.8104 %	94.8276 %	95.7581 %	101.3938 %	89.2877 %	96.7610 %
Concentration per Run 3	0.0027 ppm	97.7530 %	94.9738 %	95.7575 %	100.5577 %	89.1811 %	97.0580 %
Recovery Percentage 1	50.829 %						
Concentration RSD	5.1 %	0.5 %	0.1 %	0.1 %	0.4 %	0.3 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2119746-2 WG2119746
 Analysis started at: 9/29/2025 17:21:31
 Comments: <Comment>
 Rack: 1
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0502 ppm	2.0843 ppm	0.1210 ppm	0.9640 ppm	2.0320 ppm	0.0521 ppm	10.2619 ppm
Concentration per Run 1	0.0504 ppm	2.0969 ppm	0.1240 ppm	0.9653 ppm	2.0448 ppm	0.0526 ppm	10.3275 ppm
Concentration per Run 2	0.0499 ppm	2.0758 ppm	0.1196 ppm	0.9635 ppm	2.0223 ppm	0.0519 ppm	10.2311 ppm
Concentration per Run 3	0.0504 ppm	2.0802 ppm	0.1195 ppm	0.9631 ppm	2.0290 ppm	0.0520 ppm	10.2270 ppm
Concentration RSD	0.5 %	0.5 %	2.1 %	0.1 %	0.6 %	0.7 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0538 ppm	0.5039 ppm	0.2079 ppm	0.2546 ppm	1.0577 ppm	10.3595 ppm	0.0007 ppm
Concentration per Run 1	0.0540 ppm	0.5060 ppm	0.2086 ppm	0.2547 ppm	1.0638 ppm	10.4204 ppm	0.0016 ppm
Concentration per Run 2	0.0537 ppm	0.5040 ppm	0.2072 ppm	0.2545 ppm	1.0524 ppm	10.2987 ppm	0.0006 ppm
Concentration per Run 3	0.0538 ppm	0.5018 ppm	0.2079 ppm	0.2546 ppm	1.0569 ppm	10.3595 ppm	-0.0002 ppm
Concentration RSD	0.3 %	0.4 %	0.3 %	0.0 %	0.5 %	0.6 %	137.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.1845 ppm	0.5221 ppm	0.9937 ppm	10.2166 ppm	0.5117 ppm	0.5293 ppm	0.5048 ppm
Concentration per Run 1	10.1898 ppm	0.5248 ppm	0.9954 ppm	10.2805 ppm	0.5135 ppm	0.5312 ppm	0.5085 ppm
Concentration per Run 2	10.1768 ppm	0.5215 ppm	0.9931 ppm	10.1729 ppm	0.5109 ppm	0.5294 ppm	0.5005 ppm
Concentration per Run 3	10.1868 ppm	0.5202 ppm	0.9926 ppm	10.1964 ppm	0.5106 ppm	0.5274 ppm	0.5054 ppm
Concentration RSD	0.1 %	0.5 %	0.2 %	0.6 %	0.3 %	0.4 %	0.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1127 ppm	1.2557 ppm	0.9848 ppm	0.9900 ppm	1.0246 ppm	0.1167 ppm	0.5326 ppm
Concentration per Run 1	0.1146 ppm	1.2594 ppm	0.9876 ppm	0.9965 ppm	1.0271 ppm	0.1161 ppm	0.5329 ppm
Concentration per Run 2	0.1129 ppm	1.2554 ppm	0.9832 ppm	0.9854 ppm	1.0226 ppm	0.1165 ppm	0.5323 ppm
Concentration per Run 3	0.1105 ppm	1.2524 ppm	0.9835 ppm	0.9880 ppm	1.0242 ppm	0.1175 ppm	0.5326 ppm
Concentration RSD	1.8 %	0.3 %	0.2 %	0.6 %	0.2 %	0.6 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5102 ppm	98.5963 %	97.1063 %	97.2543 %	101.0492 %	92.7917 %	99.1405 %
Concentration per Run 1	0.5113 ppm	98.1408 %	96.8248 %	97.0908 %	100.6517 %	92.5529 %	99.0223 %
Concentration per Run 2	0.5098 ppm	98.1743 %	97.3164 %	97.5086 %	100.9605 %	92.8697 %	99.2825 %
Concentration per Run 3	0.5096 ppm	99.4737 %	97.1779 %	97.1634 %	101.5355 %	92.9525 %	99.1168 %
Concentration RSD	0.2 %	0.8 %	0.3 %	0.2 %	0.4 %	0.2 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2559350-05d200 WG2118218
 Analysis started at: 9/29/2025 17:25:44
 Comments: RR
 Rack: 1
 Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0071 ppm	-0.0035 ppm	-0.0004 ppm	0.0029 ppm	0.0006 ppm	-0.0001 ppm	0.0101 ppm
Concentration per Run 1	0.0069 ppm	0.0009 ppm	0.0006 ppm	0.0029 ppm	0.0006 ppm	-0.0001 ppm	0.0111 ppm
Concentration per Run 2	0.0071 ppm	-0.0031 ppm	-0.0002 ppm	0.0033 ppm	0.0006 ppm	-0.0001 ppm	0.0083 ppm
Concentration per Run 3	0.0073 ppm	-0.0083 ppm	-0.0015 ppm	0.0025 ppm	0.0006 ppm	-0.0001 ppm	0.0110 ppm
Concentration RSD	3.1 %	133.8 %	277.4 %	14.2 %	3.8 %	34.5 %	15.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0060 ppm	0.0081 ppm	-0.0119 ppm	0.2895 ppm	0.0012 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0061 ppm	0.0081 ppm	-0.0128 ppm	0.2754 ppm	0.0018 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0055 ppm	0.0081 ppm	-0.0119 ppm	0.3008 ppm	0.0013 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0065 ppm	0.0082 ppm	-0.0110 ppm	0.2923 ppm	0.0005 ppm
Concentration RSD	213.0 %	98.8 %	8.1 %	0.3 %	7.6 %	4.5 %	53.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0152 ppm	0.0001 ppm	0.0026 ppm	265.8108 ppm	0.0009 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run 1	0.0144 ppm	0.0001 ppm	0.0028 ppm	266.2564 ppm	0.0009 ppm	0.0010 ppm	0.0010 ppm
Concentration per Run 2	0.0136 ppm	0.0002 ppm	0.0027 ppm	267.2042 ppm	0.0007 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run 3	0.0177 ppm	0.0001 ppm	0.0022 ppm	263.9719 ppm	0.0010 ppm	0.0009 ppm	-0.0007 ppm
Concentration RSD	14.0 %	50.0 %	12.8 %	0.6 %	18.3 %	5.9 %	2,510.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	0.0215 ppm	0.0005 ppm	0.0003 ppm	0.0001 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0006 ppm	0.0219 ppm	0.0006 ppm	0.0003 ppm	0.0002 ppm	-0.0003 ppm	0.0003 ppm
Concentration per Run 2	0.0033 ppm	0.0213 ppm	0.0014 ppm	0.0003 ppm	-0.0001 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 3	0.0012 ppm	0.0213 ppm	-0.0006 ppm	0.0004 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm
Concentration RSD	81.6 %	1.5 %	203.1 %	18.7 %	142.3 %	21.6 %	84.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	97.8554 %	93.7209 %	95.2045 %	100.4839 %	89.8650 %	95.8723 %
Concentration per Run 1	0.0004 ppm	97.6904 %	93.7464 %	95.1305 %	100.1501 %	89.9959 %	95.9261 %
Concentration per Run 2	0.0004 ppm	98.0469 %	93.5346 %	95.1551 %	100.5311 %	89.8125 %	95.6325 %
Concentration per Run 3	0.0001 ppm	97.8288 %	93.8818 %	95.3278 %	100.7706 %	89.7866 %	96.0583 %
Concentration RSD	67.3 %	0.2 %	0.2 %	0.1 %	0.3 %	0.1 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2559669-01 WG2119746
 Analysis started at: 9/29/2025 17:30:26
 Comments: <Comment>
 Rack: 1
 Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0484 ppm	0.0002 ppm	0.0099 ppm	0.0237 ppm	-0.0001 ppm	8.1432 ppm
Concentration per Run 1	0.0003 ppm	0.0426 ppm	-0.0010 ppm	0.0099 ppm	0.0238 ppm	-0.0001 ppm	8.1118 ppm
Concentration per Run 2	-0.0001 ppm	0.0540 ppm	0.0005 ppm	0.0097 ppm	0.0237 ppm	-0.0001 ppm	8.1449 ppm
Concentration per Run 3	-0.0002 ppm	0.0487 ppm	0.0011 ppm	0.0101 ppm	0.0235 ppm	-0.0001 ppm	8.1731 ppm
Concentration RSD	1,843.6 %	11.9 %	534.0 %	1.6 %	0.7 %	15.6 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0003 ppm	0.0036 ppm	0.0006 ppm	0.0073 ppm	0.0629 ppm	0.7575 ppm	0.0021 ppm
Concentration per Run 1	0.0003 ppm	0.0035 ppm	0.0004 ppm	0.0073 ppm	0.0648 ppm	0.7683 ppm	0.0014 ppm
Concentration per Run 2	0.0003 ppm	0.0035 ppm	0.0006 ppm	0.0074 ppm	0.0626 ppm	0.7623 ppm	0.0035 ppm
Concentration per Run 3	0.0003 ppm	0.0038 ppm	0.0007 ppm	0.0072 ppm	0.0612 ppm	0.7421 ppm	0.0016 ppm
Concentration RSD	1.6 %	4.7 %	25.4 %	1.6 %	2.8 %	1.8 %	55.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.8466 ppm	0.2065 ppm	-0.0002 ppm	137.5492 ppm	0.0024 ppm	0.0077 ppm	0.0005 ppm
Concentration per Run 1	0.8542 ppm	0.2058 ppm	-0.0002 ppm	137.7737 ppm	0.0024 ppm	0.0083 ppm	0.0002 ppm
Concentration per Run 2	0.8441 ppm	0.2066 ppm	-0.0003 ppm	136.0550 ppm	0.0024 ppm	0.0070 ppm	0.0003 ppm
Concentration per Run 3	0.8415 ppm	0.2070 ppm	-0.0001 ppm	138.8190 ppm	0.0025 ppm	0.0078 ppm	0.0010 ppm
Concentration RSD	0.8 %	0.3 %	71.1 %	1.0 %	3.3 %	8.8 %	81.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	0.5304 ppm	0.0002 ppm	0.0363 ppm	0.0029 ppm	-0.0028 ppm	0.0001 ppm
Concentration per Run 1	0.0021 ppm	0.5313 ppm	-0.0004 ppm	0.0362 ppm	0.0029 ppm	-0.0026 ppm	-0.0002 ppm
Concentration per Run 2	0.0002 ppm	0.5307 ppm	0.0005 ppm	0.0364 ppm	0.0027 ppm	-0.0021 ppm	0.0005 ppm
Concentration per Run 3	0.0004 ppm	0.5293 ppm	0.0005 ppm	0.0362 ppm	0.0031 ppm	-0.0038 ppm	0.0000 ppm
Concentration RSD	114.0 %	0.2 %	258.5 %	0.3 %	8.1 %	32.5 %	321.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0181 ppm	99.0308 %	94.7647 %	95.0432 %	101.8700 %	89.0894 %	97.1938 %
Concentration per Run 1	0.0182 ppm	98.6207 %	94.6706 %	94.8884 %	101.7665 %	89.0474 %	97.1754 %
Concentration per Run 2	0.0179 ppm	99.2156 %	94.4856 %	95.0360 %	102.0891 %	88.9817 %	96.9232 %
Concentration per Run 3	0.0183 ppm	99.2563 %	95.1378 %	95.2053 %	101.7544 %	89.2389 %	97.4827 %
Concentration RSD	1.2 %	0.4 %	0.4 %	0.2 %	0.2 %	0.1 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2559669-03 WG2119746
 Analysis started at: 9/29/2025 17:35:04
 Comments: <Comment>
 Rack: 1
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0539 ppm	0.0012 ppm	0.0084 ppm	0.0228 ppm	-0.0001 ppm	5.9700 ppm
Concentration per Run 1	0.0001 ppm	0.0475 ppm	-0.0005 ppm	0.0078 ppm	0.0228 ppm	0.0000 ppm	5.9667 ppm
Concentration per Run 2	0.0000 ppm	0.0571 ppm	0.0024 ppm	0.0087 ppm	0.0229 ppm	-0.0001 ppm	5.9683 ppm
Concentration per Run 3	0.0004 ppm	0.0569 ppm	0.0017 ppm	0.0086 ppm	0.0229 ppm	-0.0001 ppm	5.9751 ppm
Concentration RSD	144.1 %	10.2 %	124.1 %	5.7 %	0.2 %	63.6 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0015 ppm	0.0004 ppm	0.0048 ppm	0.0056 ppm	0.5138 ppm	0.0011 ppm
Concentration per Run 1	0.0001 ppm	0.0017 ppm	0.0005 ppm	0.0047 ppm	0.0047 ppm	0.4970 ppm	0.0001 ppm
Concentration per Run 2	0.0001 ppm	0.0015 ppm	0.0003 ppm	0.0048 ppm	0.0067 ppm	0.5357 ppm	0.0014 ppm
Concentration per Run 3	0.0001 ppm	0.0015 ppm	0.0003 ppm	0.0048 ppm	0.0054 ppm	0.5086 ppm	0.0018 ppm
Concentration RSD	7.9 %	7.8 %	32.9 %	1.1 %	18.4 %	3.9 %	82.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1900 ppm	0.1844 ppm	-0.0003 ppm	137.8205 ppm	0.0006 ppm	0.0085 ppm	0.0003 ppm
Concentration per Run 1	0.1904 ppm	0.1839 ppm	-0.0002 ppm	136.5000 ppm	0.0021 ppm	0.0086 ppm	0.0001 ppm
Concentration per Run 2	0.1916 ppm	0.1845 ppm	-0.0003 ppm	139.0989 ppm	0.0003 ppm	0.0079 ppm	0.0012 ppm
Concentration per Run 3	0.1880 ppm	0.1848 ppm	-0.0004 ppm	137.8627 ppm	-0.0007 ppm	0.0090 ppm	-0.0004 ppm
Concentration RSD	1.0 %	0.3 %	37.9 %	0.9 %	242.9 %	6.7 %	299.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	0.3092 ppm	0.0005 ppm	0.0164 ppm	-0.0001 ppm	-0.0026 ppm	0.0001 ppm
Concentration per Run 1	-0.0010 ppm	0.3089 ppm	0.0006 ppm	0.0163 ppm	-0.0002 ppm	-0.0041 ppm	0.0000 ppm
Concentration per Run 2	0.0017 ppm	0.3087 ppm	0.0004 ppm	0.0164 ppm	0.0001 ppm	-0.0014 ppm	0.0002 ppm
Concentration per Run 3	0.0002 ppm	0.3099 ppm	0.0005 ppm	0.0163 ppm	-0.0002 ppm	-0.0023 ppm	0.0000 ppm
Concentration RSD	430.0 %	0.2 %	19.4 %	0.4 %	181.2 %	51.7 %	110.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0151 ppm	98.5115 %	94.8365 %	95.1857 %	101.3940 %	88.9503 %	97.2342 %
Concentration per Run 1	0.0150 ppm	99.1567 %	94.7065 %	95.0794 %	102.3324 %	88.9938 %	97.0130 %
Concentration per Run 2	0.0150 ppm	98.8046 %	94.4032 %	95.1967 %	101.1985 %	89.0177 %	96.8798 %
Concentration per Run 3	0.0152 ppm	97.5731 %	95.3998 %	95.2809 %	100.6511 %	88.8395 %	97.8099 %
Concentration RSD	0.6 %	0.8 %	0.5 %	0.1 %	0.8 %	0.1 %	0.5 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2559150-01 WG2119746
 Analysis started at: 9/29/2025 17:39:43
 Comments: <Comment>
 Rack: 1
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.2336 ppm	0.0025 ppm	0.0079 ppm	0.0196 ppm	-0.0001 ppm	2.0041 ppm
Concentration per Run 1	0.0000 ppm	0.2302 ppm	0.0018 ppm	0.0078 ppm	0.0196 ppm	-0.0001 ppm	2.0027 ppm
Concentration per Run 2	-0.0003 ppm	0.2379 ppm	0.0018 ppm	0.0081 ppm	0.0197 ppm	-0.0001 ppm	1.9937 ppm
Concentration per Run 3	-0.0003 ppm	0.2326 ppm	0.0039 ppm	0.0079 ppm	0.0196 ppm	0.0000 ppm	2.0159 ppm
Concentration RSD	98.8 %	1.7 %	49.2 %	1.7 %	0.1 %	49.3 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0003 ppm	0.0014 ppm	0.0184 ppm	1.1357 ppm	17.1052 ppm	0.2667 ppm	0.0024 ppm
Concentration per Run 1	0.0003 ppm	0.0015 ppm	0.0184 ppm	1.1387 ppm	17.1622 ppm	0.2567 ppm	0.0015 ppm
Concentration per Run 2	0.0003 ppm	0.0013 ppm	0.0183 ppm	1.1351 ppm	17.0150 ppm	0.2637 ppm	0.0037 ppm
Concentration per Run 3	0.0004 ppm	0.0014 ppm	0.0185 ppm	1.1334 ppm	17.1385 ppm	0.2797 ppm	0.0020 ppm
Concentration RSD	11.6 %	7.5 %	0.5 %	0.2 %	0.5 %	4.4 %	47.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1898 ppm	0.2225 ppm	0.0012 ppm	139.6681 ppm	0.1332 ppm	0.0254 ppm	0.0018 ppm
Concentration per Run 1	0.1914 ppm	0.2230 ppm	0.0011 ppm	140.5670 ppm	0.1340 ppm	0.0248 ppm	0.0028 ppm
Concentration per Run 2	0.1879 ppm	0.2213 ppm	0.0012 ppm	139.2442 ppm	0.1330 ppm	0.0257 ppm	0.0020 ppm
Concentration per Run 3	0.1900 ppm	0.2232 ppm	0.0013 ppm	139.1931 ppm	0.1327 ppm	0.0255 ppm	0.0006 ppm
Concentration RSD	0.9 %	0.5 %	5.9 %	0.6 %	0.5 %	1.7 %	60.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.5557 ppm	0.0007 ppm	0.0143 ppm	0.0000 ppm	-0.0031 ppm	0.0013 ppm
Concentration per Run 1	-0.0022 ppm	0.5563 ppm	0.0006 ppm	0.0144 ppm	0.0000 ppm	-0.0035 ppm	0.0012 ppm
Concentration per Run 2	0.0011 ppm	0.5557 ppm	0.0015 ppm	0.0142 ppm	-0.0001 ppm	-0.0033 ppm	0.0013 ppm
Concentration per Run 3	0.0010 ppm	0.5552 ppm	0.0001 ppm	0.0143 ppm	0.0002 ppm	-0.0025 ppm	0.0013 ppm
Concentration RSD	6,658.4 %	0.1 %	98.5 %	0.7 %	936.4 %	17.1 %	7.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	5.4105 ppm	98.1773 %	94.0114 %	93.9420 %	101.2378 %	87.6499 %	96.3419 %
Concentration per Run 1	5.4252 ppm	97.7120 %	94.2264 %	93.8439 %	100.8500 %	87.2993 %	96.5702 %
Concentration per Run 2	5.3938 ppm	98.9692 %	93.8051 %	93.9348 %	102.1832 %	87.8467 %	96.1275 %
Concentration per Run 3	5.4125 ppm	97.8506 %	94.0027 %	94.0472 %	100.6803 %	87.8037 %	96.3281 %
Concentration RSD	0.3 %	0.7 %	0.2 %	0.1 %	0.8 %	0.3 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2119746-3 WG2119746
 Analysis started at: 9/29/2025 17:44:17
 Comments: <Comment>
 Rack: 1
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0503 ppm	2.2796 ppm	0.1274 ppm	1.0014 ppm	2.0026 ppm	0.0515 ppm	11.9891 ppm
Concentration per Run 1	0.0502 ppm	2.2817 ppm	0.1241 ppm	0.9943 ppm	1.9997 ppm	0.0514 ppm	11.9536 ppm
Concentration per Run 2	0.0504 ppm	2.2781 ppm	0.1303 ppm	1.0013 ppm	2.0002 ppm	0.0516 ppm	12.0235 ppm
Concentration per Run 3	0.0503 ppm	2.2790 ppm	0.1277 ppm	1.0085 ppm	2.0078 ppm	0.0516 ppm	11.9900 ppm
Concentration RSD	0.2 %	0.1 %	2.4 %	0.7 %	0.2 %	0.2 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0554 ppm	0.5040 ppm	0.2227 ppm	1.3870 ppm	17.9519 ppm	10.5655 ppm	0.0034 ppm
Concentration per Run 1	0.0551 ppm	0.5006 ppm	0.2224 ppm	1.3888 ppm	17.9154 ppm	10.5448 ppm	0.0033 ppm
Concentration per Run 2	0.0555 ppm	0.5045 ppm	0.2236 ppm	1.3883 ppm	17.9664 ppm	10.5631 ppm	0.0038 ppm
Concentration per Run 3	0.0557 ppm	0.5070 ppm	0.2220 ppm	1.3838 ppm	17.9738 ppm	10.5885 ppm	0.0032 ppm
Concentration RSD	0.6 %	0.6 %	0.4 %	0.2 %	0.2 %	0.2 %	8.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.9180 ppm	0.7256 ppm	1.0199 ppm	150.9879 ppm	0.6382 ppm	0.5530 ppm	0.5173 ppm
Concentration per Run 1	9.9130 ppm	0.7243 ppm	1.0139 ppm	152.5599 ppm	0.6330 ppm	0.5517 ppm	0.5153 ppm
Concentration per Run 2	9.9346 ppm	0.7260 ppm	1.0180 ppm	150.6031 ppm	0.6393 ppm	0.5528 ppm	0.5164 ppm
Concentration per Run 3	9.9062 ppm	0.7265 ppm	1.0278 ppm	149.8007 ppm	0.6423 ppm	0.5543 ppm	0.5202 ppm
Concentration RSD	0.1 %	0.2 %	0.7 %	0.9 %	0.7 %	0.2 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1232 ppm	1.8508 ppm	0.9860 ppm	0.9812 ppm	1.0208 ppm	0.1126 ppm	0.5306 ppm
Concentration per Run 1	0.1241 ppm	1.8440 ppm	0.9793 ppm	0.9795 ppm	1.0202 ppm	0.1121 ppm	0.5300 ppm
Concentration per Run 2	0.1198 ppm	1.8482 ppm	0.9863 ppm	0.9799 ppm	1.0227 ppm	0.1138 ppm	0.5309 ppm
Concentration per Run 3	0.1258 ppm	1.8603 ppm	0.9924 ppm	0.9841 ppm	1.0195 ppm	0.1118 ppm	0.5307 ppm
Concentration RSD	2.5 %	0.5 %	0.7 %	0.3 %	0.2 %	1.0 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	5.8744 ppm	98.5931 %	94.6009 %	93.6328 %	101.1146 %	87.4466 %	96.6957 %
Concentration per Run 1	5.8377 ppm	98.4022 %	94.7096 %	93.8673 %	101.1114 %	87.9742 %	96.7880 %
Concentration per Run 2	5.8767 ppm	98.2351 %	94.4705 %	93.6986 %	100.7393 %	87.4951 %	96.6261 %
Concentration per Run 3	5.9089 ppm	99.1420 %	94.6226 %	93.3325 %	101.4931 %	86.8704 %	96.6731 %
Concentration RSD	0.6 %	0.5 %	0.1 %	0.3 %	0.4 %	0.6 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2119746-4 WG2119746
 Analysis started at: 9/29/2025 17:48:40
 Comments: <Comment>
 Rack: 1
 Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.2317 ppm	0.0007 ppm	0.0091 ppm	0.0197 ppm	-0.0001 ppm	2.0037 ppm
Concentration per Run 1	-0.0005 ppm	0.2399 ppm	0.0010 ppm	0.0091 ppm	0.0197 ppm	-0.0001 ppm	2.0017 ppm
Concentration per Run 2	-0.0004 ppm	0.2274 ppm	-0.0002 ppm	0.0090 ppm	0.0197 ppm	0.0000 ppm	1.9979 ppm
Concentration per Run 3	0.0002 ppm	0.2277 ppm	0.0013 ppm	0.0094 ppm	0.0197 ppm	0.0000 ppm	2.0115 ppm
Concentration RSD	143.9 %	3.1 %	109.4 %	2.2 %	0.1 %	47.9 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0004 ppm	0.0015 ppm	0.0184 ppm	1.1129 ppm	16.9598 ppm	0.2556 ppm	0.0029 ppm
Concentration per Run 1	0.0004 ppm	0.0017 ppm	0.0185 ppm	1.1274 ppm	16.9827 ppm	0.2337 ppm	0.0037 ppm
Concentration per Run 2	0.0004 ppm	0.0009 ppm	0.0188 ppm	1.1281 ppm	16.9312 ppm	0.2758 ppm	0.0019 ppm
Concentration per Run 3	0.0003 ppm	0.0020 ppm	0.0177 ppm	1.0832 ppm	16.9653 ppm	0.2572 ppm	0.0032 ppm
Concentration RSD	13.6 %	35.1 %	3.0 %	2.3 %	0.2 %	8.2 %	30.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1881 ppm	0.2209 ppm	0.0021 ppm	140.6335 ppm	0.1341 ppm	0.0259 ppm	0.0018 ppm
Concentration per Run 1	0.1896 ppm	0.2204 ppm	0.0021 ppm	141.8181 ppm	0.1344 ppm	0.0255 ppm	0.0013 ppm
Concentration per Run 2	0.1905 ppm	0.2207 ppm	0.0022 ppm	140.0661 ppm	0.1336 ppm	0.0265 ppm	0.0010 ppm
Concentration per Run 3	0.1842 ppm	0.2215 ppm	0.0022 ppm	140.0161 ppm	0.1343 ppm	0.0256 ppm	0.0032 ppm
Concentration RSD	1.8 %	0.3 %	2.9 %	0.7 %	0.3 %	2.1 %	64.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	0.5568 ppm	0.0015 ppm	0.0144 ppm	0.0002 ppm	-0.0033 ppm	0.0014 ppm
Concentration per Run 1	-0.0010 ppm	0.5594 ppm	0.0011 ppm	0.0144 ppm	0.0001 ppm	-0.0030 ppm	0.0018 ppm
Concentration per Run 2	0.0035 ppm	0.5572 ppm	0.0021 ppm	0.0145 ppm	0.0004 ppm	-0.0032 ppm	0.0012 ppm
Concentration per Run 3	-0.0012 ppm	0.5537 ppm	0.0014 ppm	0.0144 ppm	0.0002 ppm	-0.0036 ppm	0.0013 ppm
Concentration RSD	615.2 %	0.5 %	33.3 %	0.3 %	81.1 %	10.4 %	22.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	5.3879 ppm	98.7509 %	95.6033 %	94.0041 %	101.3378 %	87.9046 %	97.8836 %
Concentration per Run 1	5.4035 ppm	98.5085 %	94.4036 %	94.8114 %	101.1163 %	87.5051 %	96.6656 %
Concentration per Run 2	5.3951 ppm	98.9689 %	94.7564 %	93.8825 %	101.6254 %	87.8233 %	96.9537 %
Concentration per Run 3	5.3651 ppm	98.7753 %	97.6501 %	94.3185 %	101.2716 %	88.3852 %	100.0314 %
Concentration RSD	0.4 %	0.2 %	1.9 %	0.3 %	0.3 %	0.5 %	1.9 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCV
Analysis started at: 9/29/2025 17:53:15
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5003 ppm	0.4964 ppm	0.4842 ppm	0.4891 ppm	0.4976 ppm	0.5181 ppm	0.5038 ppm
Concentration per Run 1	0.5007 ppm	0.4958 ppm	0.4853 ppm	0.4885 ppm	0.5031 ppm	0.5251 ppm	0.5028 ppm
Concentration per Run 2	0.5004 ppm	0.4968 ppm	0.4849 ppm	0.4897 ppm	0.4948 ppm	0.5154 ppm	0.5069 ppm
Concentration per Run 3	0.4998 ppm	0.4967 ppm	0.4823 ppm	0.4889 ppm	0.4949 ppm	0.5137 ppm	0.5018 ppm
Recovery Percentage 1	100.056 %	99.288 %	96.836 %	97.811 %	99.516 %	103.616 %	100.766 %
Concentration RSD	0.1 %	0.1 %	0.3 %	0.1 %	1.0 %	1.2 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4994 ppm	0.5006 ppm	0.5232 ppm	0.5093 ppm	0.5253 ppm	5.2458 ppm	0.5154 ppm
Concentration per Run 1	0.4991 ppm	0.4994 ppm	0.5251 ppm	0.5095 ppm	0.5329 ppm	5.3311 ppm	0.5209 ppm
Concentration per Run 2	0.5001 ppm	0.5010 ppm	0.5235 ppm	0.5094 ppm	0.5212 ppm	5.2020 ppm	0.5140 ppm
Concentration per Run 3	0.4989 ppm	0.5013 ppm	0.5210 ppm	0.5091 ppm	0.5218 ppm	5.2043 ppm	0.5113 ppm
Recovery Percentage 1	99.872 %	100.112 %	104.635 %	101.866 %	105.055 %	104.916 %	103.073 %
Concentration RSD	0.1 %	0.2 %	0.4 %	0.0 %	1.3 %	1.4 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5376 ppm	0.5252 ppm	0.4889 ppm	10.0587 ppm	0.5023 ppm	0.5114 ppm	0.5063 ppm
Concentration per Run 1	0.5389 ppm	0.5315 ppm	0.4885 ppm	10.1697 ppm	0.5021 ppm	0.5102 ppm	0.5048 ppm
Concentration per Run 2	0.5366 ppm	0.5219 ppm	0.4889 ppm	10.0056 ppm	0.5044 ppm	0.5120 ppm	0.5089 ppm
Concentration per Run 3	0.5374 ppm	0.5222 ppm	0.4892 ppm	10.0007 ppm	0.5005 ppm	0.5120 ppm	0.5050 ppm
Recovery Percentage 1	107.524 %	105.035 %	97.777 %	100.587 %	100.466 %	102.275 %	101.254 %
Concentration RSD	0.2 %	1.0 %	0.1 %	1.0 %	0.4 %	0.2 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.5008 ppm	5.5464 ppm	0.4990 ppm	0.5072 ppm	0.5225 ppm	0.5119 ppm	0.5310 ppm
Concentration per Run 1	0.5018 ppm	5.5349 ppm	0.4991 ppm	0.5131 ppm	0.5240 ppm	0.5107 ppm	0.5311 ppm
Concentration per Run 2	0.4996 ppm	5.5600 ppm	0.4997 ppm	0.5042 ppm	0.5219 ppm	0.5126 ppm	0.5315 ppm
Concentration per Run 3	0.5009 ppm	5.5444 ppm	0.4983 ppm	0.5043 ppm	0.5215 ppm	0.5123 ppm	0.5304 ppm
Recovery Percentage 1	100.154 %	105.646 %	99.809 %	101.437 %	104.493 %	102.370 %	106.193 %
Concentration RSD	0.2 %	0.2 %	0.1 %	1.0 %	0.3 %	0.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5077 ppm	99.0140 %	98.5941 %	97.8962 %	101.7286 %	96.8045 %	101.0785 %
Concentration per Run 1	0.5071 ppm	98.1265 %	98.4856 %	98.1281 %	100.4864 %	97.1043 %	100.9920 %
Concentration per Run 2	0.5088 ppm	99.1346 %	98.5411 %	97.7042 %	102.1188 %	96.6630 %	101.0363 %
Concentration per Run 3	0.5073 ppm	99.7810 %	98.7556 %	97.8564 %	102.5806 %	96.6462 %	101.2072 %
Recovery Percentage 1	101.547 %						
Concentration RSD	0.2 %	0.8 %	0.1 %	0.2 %	1.1 %	0.3 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCB
 Analysis started at: 9/29/2025 17:57:31
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	-0.0067 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0024 ppm
Concentration per Run 1	0.0002 ppm	-0.0072 ppm	0.0021 ppm	0.0003 ppm	-0.0002 ppm	0.0000 ppm	0.0044 ppm
Concentration per Run 2	0.0004 ppm	-0.0035 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0040 ppm
Concentration per Run 3	0.0003 ppm	-0.0093 ppm	0.0007 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0074 ppm
Recovery Percentage 1	5.989 %	-6.658 %	21.602 %	0.159 %	-0.271 %	-0.099 %	-2.356 %
Concentration RSD	30.2 %	44.1 %	81.2 %	490.1 %	452.9 %	1,080.4 %	258.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0020 ppm	0.0168 ppm	0.0001 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0026 ppm	0.0112 ppm	0.0008 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0011 ppm	0.0350 ppm	0.0000 ppm
Concentration per Run 3	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0004 ppm	0.0024 ppm	0.0043 ppm	-0.0005 ppm
Recovery Percentage 1	0.892 %	0.406 %	1.282 %	-2.092 %	4.057 %	0.673 %	1.402 %
Concentration RSD	104.5 %	117.5 %	93.0 %	69.6 %	39.4 %	95.7 %	472.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0303 ppm	0.0004 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run 1	-0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0336 ppm	0.0009 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run 2	-0.0018 ppm	0.0001 ppm	-0.0001 ppm	0.0294 ppm	-0.0003 ppm	0.0012 ppm	0.0006 ppm
Concentration per Run 3	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0279 ppm	0.0004 ppm	-0.0003 ppm	-0.0006 ppm
Recovery Percentage 1	-0.458 %	0.786 %	-0.049 %	1.514 %	1.448 %	6.170 %	0.223 %
Concentration RSD	322.6 %	27.6 %	458.5 %	9.7 %	165.0 %	131.8 %	582.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	-0.0006 ppm	-0.0003 ppm	0.0001 ppm	-0.0004 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run 1	-0.0003 ppm	-0.0007 ppm	0.0006 ppm	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 2	0.0022 ppm	-0.0011 ppm	-0.0012 ppm	0.0000 ppm	-0.0005 ppm	0.0007 ppm	0.0004 ppm
Concentration per Run 3	-0.0003 ppm	0.0000 ppm	-0.0005 ppm	0.0002 ppm	-0.0003 ppm	-0.0010 ppm	0.0005 ppm
Recovery Percentage 1	5.525 %	-0.117 %	-0.698 %	0.650 %	-3.805 %	-0.611 %	3.350 %
Concentration RSD	262.1 %	94.6 %	258.1 %	160.9 %	17.3 %	682.8 %	69.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	99.6381 %	99.2552 %	98.5635 %	100.8679 %	99.2732 %	100.5340 %
Concentration per Run 1	0.0001 ppm	99.2633 %	99.1220 %	98.5808 %	100.1561 %	99.1666 %	100.3820 %
Concentration per Run 2	0.0001 ppm	99.3616 %	99.4559 %	98.4793 %	100.9124 %	99.3516 %	100.7012 %
Concentration per Run 3	0.0001 ppm	100.2894 %	99.1878 %	98.6304 %	101.5352 %	99.3014 %	100.5189 %
Recovery Percentage 1	1.891 %						
Concentration RSD	18.0 %	0.6 %	0.2 %	0.1 %	0.7 %	0.1 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2557076-02 WG2115668
 Analysis started at: 9/29/2025 18:39:03
 Comments: <Comment>
 Rack: 1
 Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0009 ppm	0.0006 ppm	-0.0004 ppm	-0.0001 ppm	-0.0001 ppm	-0.0013 ppm
Concentration per Run 1	-0.0003 ppm	0.0070 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	-0.0001 ppm	-0.0039 ppm
Concentration per Run 2	-0.0001 ppm	0.0052 ppm	0.0021 ppm	-0.0009 ppm	-0.0002 ppm	-0.0001 ppm	0.0008 ppm
Concentration per Run 3	0.0004 ppm	-0.0096 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0006 ppm
Concentration RSD	2,670.6 %	1,055.8 %	211.7 %	110.6 %	118.2 %	11.3 %	192.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0009 ppm	0.0000 ppm	0.0009 ppm	0.0255 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0011 ppm	-0.0001 ppm	0.0002 ppm	0.0283 ppm	0.0011 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0001 ppm	0.0012 ppm	0.0238 ppm	-0.0005 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0000 ppm	0.0013 ppm	0.0243 ppm	-0.0004 ppm
Concentration RSD	101.8 %	1,175.4 %	39.6 %	1,460.9 %	68.1 %	9.8 %	1,103.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0024 ppm	-0.0001 ppm	-0.0004 ppm	0.0067 ppm	0.0005 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run 1	0.0027 ppm	0.0000 ppm	-0.0004 ppm	0.0149 ppm	0.0005 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run 2	0.0032 ppm	-0.0005 ppm	-0.0005 ppm	-0.0054 ppm	0.0008 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 3	0.0012 ppm	0.0001 ppm	-0.0004 ppm	0.0106 ppm	0.0002 ppm	0.0011 ppm	0.0002 ppm
Concentration RSD	42.4 %	311.4 %	10.7 %	159.8 %	59.2 %	175.1 %	102.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0020 ppm	0.0132 ppm	-0.0014 ppm	0.0000 ppm	-0.0004 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 1	0.0034 ppm	0.0128 ppm	-0.0009 ppm	0.0000 ppm	-0.0002 ppm	-0.0009 ppm	0.0001 ppm
Concentration per Run 2	0.0015 ppm	0.0137 ppm	-0.0016 ppm	0.0000 ppm	-0.0002 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 3	0.0009 ppm	0.0131 ppm	-0.0016 ppm	0.0000 ppm	-0.0008 ppm	-0.0005 ppm	0.0001 ppm
Concentration RSD	68.0 %	3.5 %	31.3 %	141.7 %	81.1 %	191.5 %	49.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0004 ppm	100.6849 %	100.6500 %	99.7802 %	101.6583 %	100.1250 %	101.7611 %
Concentration per Run 1	-0.0004 ppm	100.0496 %	100.2537 %	100.4381 %	100.4901 %	100.8213 %	101.3775 %
Concentration per Run 2	-0.0004 ppm	100.9385 %	100.6126 %	99.2448 %	102.1614 %	99.5124 %	101.6321 %
Concentration per Run 3	-0.0005 ppm	101.0666 %	101.0836 %	99.6579 %	102.3234 %	100.0413 %	102.2738 %
Concentration RSD	23.0 %	0.6 %	0.4 %	0.6 %	1.0 %	0.7 %	0.5 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2557076-04 WG2115668
 Analysis started at: 9/29/2025 18:43:33
 Comments: <Comment>
 Rack: 1
 Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0355 ppm	0.0008 ppm	0.0130 ppm	0.0574 ppm	-0.0001 ppm	14.9829 ppm
Concentration per Run 1	0.0000 ppm	0.0362 ppm	0.0019 ppm	0.0129 ppm	0.0585 ppm	-0.0001 ppm	15.1988 ppm
Concentration per Run 2	-0.0001 ppm	0.0390 ppm	0.0009 ppm	0.0132 ppm	0.0569 ppm	-0.0001 ppm	14.8892 ppm
Concentration per Run 3	0.0000 ppm	0.0314 ppm	-0.0003 ppm	0.0128 ppm	0.0568 ppm	-0.0001 ppm	14.8607 ppm
Concentration RSD	239.0 %	10.8 %	133.4 %	1.5 %	1.6 %	17.1 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0028 ppm	0.0001 ppm	0.0521 ppm	1.0764 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0028 ppm	0.0003 ppm	0.0532 ppm	1.0683 ppm	0.0008 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0025 ppm	0.0001 ppm	0.0508 ppm	1.0817 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0031 ppm	0.0000 ppm	0.0521 ppm	1.0792 ppm	-0.0010 ppm
Concentration RSD	124.0 %	133.4 %	11.3 %	152.6 %	2.3 %	0.7 %	2,711.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.7735 ppm	0.0039 ppm	-0.0004 ppm	12.1300 ppm	-0.0004 ppm	0.0021 ppm	-0.0011 ppm
Concentration per Run 1	6.7740 ppm	0.0037 ppm	-0.0006 ppm	12.2919 ppm	0.0000 ppm	0.0027 ppm	-0.0019 ppm
Concentration per Run 2	6.7783 ppm	0.0038 ppm	-0.0003 ppm	12.0574 ppm	-0.0005 ppm	0.0019 ppm	0.0009 ppm
Concentration per Run 3	6.7682 ppm	0.0040 ppm	-0.0004 ppm	12.0406 ppm	-0.0007 ppm	0.0017 ppm	-0.0022 ppm
Concentration RSD	0.1 %	3.9 %	37.6 %	1.2 %	103.4 %	25.6 %	161.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	4.4260 ppm	-0.0004 ppm	0.0713 ppm	0.0020 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 1	0.0037 ppm	4.4225 ppm	-0.0002 ppm	0.0723 ppm	0.0020 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 2	0.0014 ppm	4.4172 ppm	-0.0004 ppm	0.0709 ppm	0.0022 ppm	-0.0012 ppm	0.0003 ppm
Concentration per Run 3	0.0005 ppm	4.4384 ppm	-0.0006 ppm	0.0707 ppm	0.0019 ppm	-0.0004 ppm	0.0001 ppm
Concentration RSD	86.0 %	0.3 %	47.4 %	1.2 %	7.5 %	55.8 %	81.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	99.7133 %	97.5897 %	97.7781 %	101.1624 %	96.8637 %	99.4277 %
Concentration per Run 1	0.0002 ppm	99.0002 ppm	97.9037 %	98.0088 %	99.6736 %	96.8845 %	99.6950 %
Concentration per Run 2	0.0000 ppm	100.0022 %	97.7634 %	97.5420 %	101.9824 %	96.9836 %	99.6498 %
Concentration per Run 3	0.0002 ppm	100.1128 %	97.1021 %	97.7835 %	101.8313 %	96.7229 %	98.9384 %
Concentration RSD	71.3 %	0.6 %	0.4 %	0.2 %	1.3 %	0.1 %	0.4 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2557076-05 WG2115668
 Analysis started at: 9/29/2025 18:48:01
 Comments: <Comment>
 Rack: 1
 Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0024 ppm	0.0012 ppm	0.0164 ppm	0.0228 ppm	-0.0001 ppm	34.1439 ppm
Concentration per Run 1	0.0001 ppm	0.0039 ppm	0.0018 ppm	0.0165 ppm	0.0230 ppm	-0.0001 ppm	34.4753 ppm
Concentration per Run 2	0.0002 ppm	-0.0017 ppm	0.0008 ppm	0.0165 ppm	0.0228 ppm	-0.0001 ppm	34.0748 ppm
Concentration per Run 3	0.0003 ppm	0.0051 ppm	0.0010 ppm	0.0161 ppm	0.0226 ppm	-0.0001 ppm	33.8815 ppm
Concentration RSD	53.3 %	150.4 %	45.4 %	1.2 %	0.8 %	42.2 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0049 ppm	0.0001 ppm	0.0784 ppm	1.2740 ppm	-0.0003 ppm
Concentration per Run 1	0.0000 ppm	-0.0004 ppm	0.0045 ppm	-0.0001 ppm	0.0778 ppm	1.2622 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0049 ppm	0.0003 ppm	0.0807 ppm	1.2750 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0005 ppm	0.0053 ppm	0.0001 ppm	0.0767 ppm	1.2849 ppm	-0.0007 ppm
Concentration RSD	158.7 %	44.9 %	8.0 %	200.0 %	2.7 %	0.9 %	145.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.5510 ppm	0.0006 ppm	-0.0003 ppm	9.5688 ppm	0.0008 ppm	0.0015 ppm	0.0009 ppm
Concentration per Run 1	7.5547 ppm	0.0005 ppm	-0.0001 ppm	9.6593 ppm	0.0015 ppm	0.0007 ppm	0.0010 ppm
Concentration per Run 2	7.5425 ppm	0.0008 ppm	-0.0006 ppm	9.5434 ppm	0.0004 ppm	0.0021 ppm	0.0011 ppm
Concentration per Run 3	7.5559 ppm	0.0006 ppm	-0.0004 ppm	9.5036 ppm	0.0006 ppm	0.0017 ppm	0.0006 ppm
Concentration RSD	0.1 %	23.1 %	80.0 %	0.8 %	67.3 %	46.4 %	24.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	3.8834 ppm	-0.0009 ppm	0.1135 ppm	0.0000 ppm	-0.0008 ppm	0.0005 ppm
Concentration per Run 1	-0.0009 ppm	3.8880 ppm	-0.0021 ppm	0.1145 ppm	-0.0003 ppm	-0.0013 ppm	0.0005 ppm
Concentration per Run 2	-0.0011 ppm	3.8965 ppm	-0.0006 ppm	0.1132 ppm	0.0002 ppm	-0.0004 ppm	0.0005 ppm
Concentration per Run 3	0.0031 ppm	3.8656 ppm	0.0000 ppm	0.1128 ppm	0.0000 ppm	-0.0008 ppm	0.0005 ppm
Concentration RSD	613.1 %	0.4 %	118.6 %	0.8 %	1,239.9 %	55.0 %	1.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0003 ppm	100.0487 %	97.7026 %	97.7326 %	101.7221 %	96.2875 %	99.5794 %
Concentration per Run 1	-0.0004 ppm	99.6290 %	97.8336 %	97.7332 %	100.8882 %	96.1940 %	99.6499 %
Concentration per Run 2	-0.0002 ppm	99.9601 %	97.5945 %	97.3305 %	101.6954 %	95.8191 %	99.4415 %
Concentration per Run 3	-0.0003 ppm	100.5570 %	97.6798 %	98.1341 %	102.5828 %	96.8494 %	99.6469 %
Concentration RSD	26.0 %	0.5 %	0.1 %	0.4 %	0.8 %	0.5 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2557076-07 WG2115668
 Analysis started at: 9/29/2025 18:52:29
 Comments: <Comment>
 Rack: 1
 Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0071 ppm	0.0006 ppm	0.0340 ppm	0.0791 ppm	-0.0001 ppm	55.3613 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0011 ppm	0.0340 ppm	0.0803 ppm	-0.0001 ppm	56.2406 ppm
Concentration per Run 2	-0.0002 ppm	0.0053 ppm	0.0022 ppm	0.0339 ppm	0.0785 ppm	-0.0001 ppm	55.0215 ppm
Concentration per Run 3	-0.0002 ppm	0.0161 ppm	-0.0016 ppm	0.0341 ppm	0.0784 ppm	-0.0001 ppm	54.8219 ppm
Concentration RSD	106.8 %	114.6 %	341.1 %	0.3 %	1.3 %	20.9 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0004 ppm	0.0073 ppm	0.0014 ppm	0.0487 ppm	9.5298 ppm	-0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0005 ppm	0.0072 ppm	0.0013 ppm	0.0482 ppm	9.6566 ppm	-0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0005 ppm	0.0074 ppm	0.0016 ppm	0.0495 ppm	9.4614 ppm	-0.0004 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0073 ppm	0.0014 ppm	0.0484 ppm	9.4712 ppm	-0.0002 ppm
Concentration RSD	738.1 %	73.4 %	1.3 %	9.5 %	1.4 %	1.2 %	75.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.9656 ppm	2.8988 ppm	0.0000 ppm	9.8123 ppm	0.0005 ppm	0.0031 ppm	-0.0009 ppm
Concentration per Run 1	10.9665 ppm	2.9389 ppm	0.0001 ppm	9.9510 ppm	0.0014 ppm	0.0046 ppm	-0.0005 ppm
Concentration per Run 2	10.9476 ppm	2.8814 ppm	0.0002 ppm	9.7494 ppm	0.0005 ppm	0.0019 ppm	-0.0007 ppm
Concentration per Run 3	10.9825 ppm	2.8762 ppm	-0.0002 ppm	9.7366 ppm	-0.0004 ppm	0.0027 ppm	-0.0014 ppm
Concentration RSD	0.2 %	1.2 %	502.6 %	1.2 %	168.8 %	45.5 %	54.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	4.1516 ppm	-0.0009 ppm	0.2293 ppm	0.0001 ppm	-0.0022 ppm	0.0027 ppm
Concentration per Run 1	0.0006 ppm	4.1588 ppm	-0.0010 ppm	0.2324 ppm	-0.0002 ppm	-0.0022 ppm	0.0029 ppm
Concentration per Run 2	-0.0012 ppm	4.1514 ppm	-0.0010 ppm	0.2280 ppm	0.0001 ppm	-0.0019 ppm	0.0027 ppm
Concentration per Run 3	0.0013 ppm	4.1444 ppm	-0.0007 ppm	0.2274 ppm	0.0004 ppm	-0.0025 ppm	0.0025 ppm
Concentration RSD	628.3 %	0.2 %	19.7 %	1.2 %	265.7 %	12.1 %	6.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	99.1904 %	96.1363 %	95.4011 %	101.2515 %	93.5204 %	98.3793 %
Concentration per Run 1	0.0001 ppm	98.4172 %	96.4314 %	95.3644 %	100.0441 %	93.4317 %	98.5288 %
Concentration per Run 2	0.0003 ppm	99.8293 %	95.8959 %	95.4185 %	101.9700 %	93.6530 %	98.1638 %
Concentration per Run 3	0.0002 ppm	99.3247 %	96.0817 %	95.4204 %	101.7405 %	93.4765 %	98.4452 %
Concentration RSD	64.2 %	0.7 %	0.3 %	0.0 %	1.0 %	0.1 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2557076-08 WG2115668
 Analysis started at: 9/29/2025 18:56:57
 Comments: <Comment>
 Rack: 1
 Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0036 ppm	0.0017 ppm	0.0493 ppm	0.0389 ppm	-0.0001 ppm	54.5976 ppm
Concentration per Run 1	-0.0002 ppm	-0.0031 ppm	-0.0007 ppm	0.0487 ppm	0.0394 ppm	-0.0001 ppm	55.4053 ppm
Concentration per Run 2	0.0006 ppm	0.0079 ppm	0.0033 ppm	0.0498 ppm	0.0390 ppm	-0.0001 ppm	54.2741 ppm
Concentration per Run 3	0.0001 ppm	0.0059 ppm	0.0025 ppm	0.0494 ppm	0.0385 ppm	-0.0001 ppm	54.1133 ppm
Concentration RSD	251.2 %	163.3 %	123.5 %	1.1 %	1.1 %	7.6 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0023 ppm	0.0011 ppm	0.0589 ppm	1.7602 ppm	0.0000 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0023 ppm	0.0010 ppm	0.0614 ppm	1.7780 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0025 ppm	0.0009 ppm	0.0581 ppm	1.7508 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0022 ppm	0.0012 ppm	0.0572 ppm	1.7517 ppm	-0.0006 ppm
Concentration RSD	37.7 %	90.7 %	6.9 %	15.9 %	3.8 %	0.9 %	1,526.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	11.9326 ppm	0.0505 ppm	-0.0004 ppm	10.9346 ppm	0.0005 ppm	0.0027 ppm	0.0001 ppm
Concentration per Run 1	11.9544 ppm	0.0514 ppm	-0.0006 ppm	11.0568 ppm	-0.0001 ppm	0.0030 ppm	-0.0004 ppm
Concentration per Run 2	11.9245 ppm	0.0502 ppm	-0.0003 ppm	10.8859 ppm	0.0011 ppm	0.0027 ppm	0.0008 ppm
Concentration per Run 3	11.9191 ppm	0.0500 ppm	-0.0004 ppm	10.8611 ppm	0.0005 ppm	0.0024 ppm	-0.0002 ppm
Concentration RSD	0.2 %	1.4 %	34.0 %	1.0 %	124.6 %	11.0 %	1,031.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	5.5790 ppm	-0.0007 ppm	0.1790 ppm	0.0002 ppm	-0.0004 ppm	0.0003 ppm
Concentration per Run 1	0.0008 ppm	5.5768 ppm	-0.0012 ppm	0.1810 ppm	0.0004 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 2	0.0005 ppm	5.5876 ppm	0.0001 ppm	0.1781 ppm	0.0003 ppm	-0.0004 ppm	0.0003 ppm
Concentration per Run 3	0.0010 ppm	5.5727 ppm	-0.0009 ppm	0.1778 ppm	-0.0002 ppm	-0.0009 ppm	0.0003 ppm
Concentration RSD	32.5 %	0.1 %	95.4 %	1.0 %	177.6 %	102.2 %	10.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	99.7375 %	96.7426 %	95.9670 %	101.5443 %	94.1051 %	98.6120 %
Concentration per Run 1	0.0000 ppm	98.9740 %	96.7219 %	95.9844 %	100.1009 %	94.2224 %	98.5224 %
Concentration per Run 2	-0.0001 ppm	99.9652 %	96.8324 %	95.8475 %	102.1621 %	93.8497 %	98.6414 %
Concentration per Run 3	0.0000 ppm	100.2733 %	96.6735 %	96.0692 %	102.3699 %	94.2433 %	98.6722 %
Concentration RSD	181.7 %	0.7 %	0.1 %	0.1 %	1.2 %	0.2 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2557076-06 WG2115668
 Analysis started at: 9/29/2025 19:01:26
 Comments: <Comment>
 Rack: 1
 Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0012 ppm	0.0005 ppm	0.0122 ppm	0.0423 ppm	-0.0001 ppm	21.1803 ppm
Concentration per Run 1	0.0002 ppm	-0.0026 ppm	0.0003 ppm	0.0122 ppm	0.0430 ppm	-0.0001 ppm	21.3292 ppm
Concentration per Run 2	0.0004 ppm	-0.0039 ppm	0.0018 ppm	0.0118 ppm	0.0421 ppm	-0.0002 ppm	21.1689 ppm
Concentration per Run 3	0.0002 ppm	0.0100 ppm	-0.0005 ppm	0.0124 ppm	0.0419 ppm	-0.0002 ppm	21.0429 ppm
Concentration RSD	36.7 %	660.2 %	218.0 %	2.4 %	1.3 %	16.1 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0004 ppm	0.0098 ppm	0.0004 ppm	0.0638 ppm	1.1877 ppm	-0.0005 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	0.0106 ppm	0.0004 ppm	0.0639 ppm	1.1911 ppm	-0.0014 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0097 ppm	0.0000 ppm	0.0636 ppm	1.1672 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	-0.0005 ppm	0.0092 ppm	0.0006 ppm	0.0640 ppm	1.2048 ppm	-0.0005 ppm
Concentration RSD	145.7 %	27.5 %	6.9 %	87.5 %	0.3 %	1.6 %	178.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.5678 ppm	0.0005 ppm	-0.0005 ppm	13.2891 ppm	0.0003 ppm	0.0028 ppm	-0.0007 ppm
Concentration per Run 1	5.5965 ppm	0.0001 ppm	-0.0005 ppm	13.4218 ppm	0.0009 ppm	0.0017 ppm	-0.0005 ppm
Concentration per Run 2	5.5450 ppm	0.0004 ppm	-0.0003 ppm	13.2295 ppm	0.0002 ppm	0.0030 ppm	0.0002 ppm
Concentration per Run 3	5.5618 ppm	0.0008 ppm	-0.0006 ppm	13.2161 ppm	-0.0001 ppm	0.0036 ppm	-0.0018 ppm
Concentration RSD	0.5 %	73.5 %	34.4 %	0.9 %	169.4 %	34.4 %	149.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	5.7432 ppm	-0.0008 ppm	0.0962 ppm	-0.0003 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 1	-0.0004 ppm	5.7485 ppm	-0.0012 ppm	0.0974 ppm	-0.0004 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0005 ppm	5.6548 ppm	-0.0009 ppm	0.0958 ppm	-0.0002 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run 3	0.0007 ppm	5.8263 ppm	-0.0003 ppm	0.0955 ppm	-0.0003 ppm	-0.0015 ppm	0.0002 ppm
Concentration RSD	225.3 %	1.5 %	56.0 %	1.0 %	26.0 %	569.2 %	61.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	100.3764 %	97.9995 %	97.6150 %	102.2770 %	96.4589 %	100.0912 %
Concentration per Run 1	0.0000 ppm	100.5675 %	97.8342 %	97.4739 %	101.8995 %	96.5145 %	99.7586 %
Concentration per Run 2	-0.0002 ppm	100.4825 %	98.1085 %	98.7633 %	102.4398 %	97.7135 %	100.2828 %
Concentration per Run 3	-0.0001 ppm	100.0792 %	98.0559 %	96.6079 %	102.4918 %	95.1487 %	100.2323 %
Concentration RSD	134.5 %	0.3 %	0.1 %	1.1 %	0.3 %	1.3 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2115668-7 WG2115668
 Analysis started at: 9/29/2025 19:05:57
 Comments: <Comment>
 Rack: 1
 Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0532 ppm	2.0807 ppm	0.1242 ppm	1.0186 ppm	2.0662 ppm	0.0521 ppm	31.6347 ppm
Concentration per Run 1	0.0536 ppm	2.1143 ppm	0.1263 ppm	1.0185 ppm	2.1014 ppm	0.0531 ppm	32.2130 ppm
Concentration per Run 2	0.0533 ppm	2.0633 ppm	0.1237 ppm	1.0182 ppm	2.0470 ppm	0.0515 ppm	31.3491 ppm
Concentration per Run 3	0.0527 ppm	2.0644 ppm	0.1226 ppm	1.0189 ppm	2.0502 ppm	0.0517 ppm	31.3418 ppm
Concentration RSD	0.9 %	1.4 %	1.5 %	0.0 %	1.5 %	1.7 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0531 ppm	0.4849 ppm	0.2092 ppm	0.2537 ppm	1.0623 ppm	11.7603 ppm	0.0009 ppm
Concentration per Run 1	0.0532 ppm	0.4849 ppm	0.2093 ppm	0.2532 ppm	1.0810 ppm	11.9431 ppm	0.0029 ppm
Concentration per Run 2	0.0530 ppm	0.4845 ppm	0.2091 ppm	0.2545 ppm	1.0494 ppm	11.6432 ppm	-0.0005 ppm
Concentration per Run 3	0.0530 ppm	0.4854 ppm	0.2093 ppm	0.2534 ppm	1.0565 ppm	11.6947 ppm	0.0002 ppm
Concentration RSD	0.2 %	0.1 %	0.1 %	0.3 %	1.6 %	1.4 %	212.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.0800 ppm	0.5154 ppm	0.9775 ppm	23.8232 ppm	0.4901 ppm	0.5336 ppm	0.5109 ppm
Concentration per Run 1	16.0965 ppm	0.5252 ppm	0.9790 ppm	24.2116 ppm	0.4895 ppm	0.5340 ppm	0.5117 ppm
Concentration per Run 2	16.1143 ppm	0.5098 ppm	0.9768 ppm	23.5959 ppm	0.4907 ppm	0.5334 ppm	0.5113 ppm
Concentration per Run 3	16.0292 ppm	0.5114 ppm	0.9766 ppm	23.6621 ppm	0.4901 ppm	0.5334 ppm	0.5097 ppm
Concentration RSD	0.3 %	1.6 %	0.1 %	1.4 %	0.1 %	0.1 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1236 ppm	6.9644 ppm	0.9776 ppm	1.1149 ppm	1.0312 ppm	0.1185 ppm	0.5276 ppm
Concentration per Run 1	0.1255 ppm	6.9742 ppm	0.9778 ppm	1.1149 ppm	1.0319 ppm	0.1185 ppm	0.5278 ppm
Concentration per Run 2	0.1222 ppm	6.9636 ppm	0.9791 ppm	1.0870 ppm	1.0324 ppm	0.1188 ppm	0.5280 ppm
Concentration per Run 3	0.1231 ppm	6.9554 ppm	0.9759 ppm	1.0894 ppm	1.0294 ppm	0.1186 ppm	0.5270 ppm
Concentration RSD	1.4 %	0.1 %	0.2 %	1.4 %	0.2 %	0.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5036 ppm	99.7136 %	96.8740 %	95.9553 %	101.6518 %	93.7831 %	98.9902 %
Concentration per Run 1	0.5049 ppm	98.5922 %	97.0191 %	95.6265 %	99.7434 %	93.7122 %	99.0487 %
Concentration per Run 2	0.5035 ppm	100.1399 %	96.7170 %	96.1612 %	102.5420 %	93.8113 %	98.8959 %
Concentration per Run 3	0.5023 ppm	100.4088 %	96.8858 %	96.0782 %	102.6700 %	93.8260 %	99.0260 %
Concentration RSD	0.3 %	1.0 %	0.2 %	0.3 %	1.6 %	0.1 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2115668-8 WG2115668
 Analysis started at: 9/29/2025 19:10:13
 Comments: <Comment>
 Rack: 1
 Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0006 ppm	0.0029 ppm	0.0131 ppm	0.0423 ppm	-0.0001 ppm	21.0459 ppm
Concentration per Run 1	0.0002 ppm	0.0013 ppm	0.0034 ppm	0.0132 ppm	0.0429 ppm	-0.0001 ppm	21.2391 ppm
Concentration per Run 2	0.0001 ppm	-0.0024 ppm	0.0034 ppm	0.0131 ppm	0.0421 ppm	-0.0001 ppm	20.9848 ppm
Concentration per Run 3	0.0000 ppm	-0.0007 ppm	0.0018 ppm	0.0131 ppm	0.0421 ppm	-0.0001 ppm	20.9136 ppm
Concentration RSD	94.4 %	303.6 %	32.9 %	0.6 %	1.1 %	29.7 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0023 ppm	0.0004 ppm	0.0004 ppm	1.1648 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0022 ppm	0.0002 ppm	-0.0003 ppm	1.1628 ppm	-0.0001 ppm
Concentration per Run 2	-0.0001 ppm	-0.0002 ppm	0.0025 ppm	0.0006 ppm	0.0006 ppm	1.1603 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0023 ppm	0.0003 ppm	0.0010 ppm	1.1712 ppm	0.0009 ppm
Concentration RSD	113.1 %	80.0 %	6.7 %	61.4 %	154.1 %	0.5 %	358.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.5426 ppm	0.0005 ppm	0.0012 ppm	13.2005 ppm	0.0005 ppm	0.0019 ppm	0.0003 ppm
Concentration per Run 1	5.5318 ppm	0.0004 ppm	0.0017 ppm	13.3255 ppm	0.0000 ppm	0.0020 ppm	0.0021 ppm
Concentration per Run 2	5.5513 ppm	0.0007 ppm	0.0010 ppm	13.1276 ppm	0.0005 ppm	0.0023 ppm	-0.0002 ppm
Concentration per Run 3	5.5449 ppm	0.0005 ppm	0.0009 ppm	13.1484 ppm	0.0010 ppm	0.0015 ppm	-0.0010 ppm
Concentration RSD	0.2 %	30.7 %	37.0 %	0.8 %	104.6 %	18.7 %	567.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0024 ppm	5.7780 ppm	0.0004 ppm	0.0960 ppm	0.0001 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 1	-0.0004 ppm	5.7114 ppm	0.0007 ppm	0.0967 ppm	0.0002 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run 2	0.0023 ppm	5.8960 ppm	0.0008 ppm	0.0953 ppm	0.0000 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run 3	0.0054 ppm	5.7268 ppm	-0.0003 ppm	0.0958 ppm	0.0001 ppm	-0.0006 ppm	0.0005 ppm
Concentration RSD	118.4 %	1.8 %	164.7 %	0.7 %	64.9 %	371.4 %	131.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	100.4494 %	97.6870 %	96.0301 %	102.1428 %	95.2145 %	99.8865 %
Concentration per Run 1	-0.0001 ppm	100.1910 %	98.1814 %	97.0388 %	101.4473 %	96.2823 %	100.3266 %
Concentration per Run 2	0.0003 ppm	100.3132 %	97.4606 %	94.2714 %	102.1481 %	93.5151 %	99.6315 %
Concentration per Run 3	0.0002 ppm	100.8441 %	97.4191 %	96.7802 %	102.8331 %	95.8460 %	99.7015 %
Concentration RSD	154.4 %	0.3 %	0.4 %	1.6 %	0.7 %	1.6 %	0.4 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2115668-9 WG2115668
 Analysis started at: 9/29/2025 19:14:45
 Comments: <Comment>
 Rack: 1
 Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0495 ppm	1.9985 ppm	0.1208 ppm	0.9957 ppm	1.9855 ppm	0.0502 ppm	30.8041 ppm
Concentration per Run 1	0.0493 ppm	2.0401 ppm	0.1211 ppm	1.0004 ppm	2.0122 ppm	0.0512 ppm	31.2354 ppm
Concentration per Run 2	0.0500 ppm	1.9739 ppm	0.1214 ppm	1.0022 ppm	1.9732 ppm	0.0498 ppm	30.5877 ppm
Concentration per Run 3	0.0491 ppm	1.9816 ppm	0.1200 ppm	0.9844 ppm	1.9712 ppm	0.0498 ppm	30.5891 ppm
Concentration RSD	0.9 %	1.8 %	0.6 %	1.0 %	1.2 %	1.6 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0512 ppm	0.4634 ppm	0.2070 ppm	0.2448 ppm	1.0661 ppm	11.8037 ppm	0.0003 ppm
Concentration per Run 1	0.0514 ppm	0.4659 ppm	0.2052 ppm	0.2442 ppm	1.0840 ppm	11.9802 ppm	0.0012 ppm
Concentration per Run 2	0.0516 ppm	0.4664 ppm	0.2086 ppm	0.2459 ppm	1.0579 ppm	11.7598 ppm	0.0004 ppm
Concentration per Run 3	0.0506 ppm	0.4579 ppm	0.2071 ppm	0.2443 ppm	1.0562 ppm	11.6713 ppm	-0.0006 ppm
Concentration RSD	1.0 %	1.0 %	0.8 %	0.4 %	1.5 %	1.3 %	253.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.9686 ppm	0.4969 ppm	0.9556 ppm	23.4268 ppm	0.4683 ppm	0.5139 ppm	0.4751 ppm
Concentration per Run 1	15.9039 ppm	0.5049 ppm	0.9595 ppm	23.7384 ppm	0.4686 ppm	0.5180 ppm	0.4744 ppm
Concentration per Run 2	16.0356 ppm	0.4941 ppm	0.9622 ppm	23.2920 ppm	0.4717 ppm	0.5180 ppm	0.4771 ppm
Concentration per Run 3	15.9664 ppm	0.4917 ppm	0.9449 ppm	23.2500 ppm	0.4645 ppm	0.5059 ppm	0.4736 ppm
Concentration RSD	0.4 %	1.4 %	1.0 %	1.2 %	0.8 %	1.4 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1197 ppm	6.6658 ppm	0.9807 ppm	1.0892 ppm	1.0181 ppm	0.1143 ppm	0.5094 ppm
Concentration per Run 1	0.1184 ppm	6.7067 ppm	0.9848 ppm	1.1048 ppm	1.0137 ppm	0.1154 ppm	0.5069 ppm
Concentration per Run 2	0.1239 ppm	6.7160 ppm	0.9889 ppm	1.0824 ppm	1.0231 ppm	0.1141 ppm	0.5111 ppm
Concentration per Run 3	0.1168 ppm	6.5747 ppm	0.9685 ppm	1.0803 ppm	1.0174 ppm	0.1133 ppm	0.5101 ppm
Concentration RSD	3.1 %	1.2 %	1.1 %	1.2 %	0.5 %	0.9 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4818 ppm	98.1401 %	95.8861 %	95.5074 %	100.4103 %	93.6815 %	98.1208 %
Concentration per Run 1	0.4844 ppm	97.5028 %	96.5168 %	94.8252 %	99.1914 %	93.3282 %	98.7858 %
Concentration per Run 2	0.4849 ppm	98.3406 %	95.4458 %	94.9254 %	100.7898 %	93.0951 %	97.6958 %
Concentration per Run 3	0.4759 ppm	98.5769 %	95.6956 %	96.7715 %	101.2498 %	94.6212 %	97.8809 %
Concentration RSD	1.0 %	0.6 %	0.6 %	1.1 %	1.1 %	0.9 %	0.6 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2115668-10d5 WG2115668
 Analysis started at: 9/29/2025 19:18:57
 Comments: <Comment>
 Rack: 1
 Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0024 ppm	0.0020 ppm	0.0033 ppm	0.0085 ppm	-0.0001 ppm	4.2244 ppm
Concentration per Run 1	-0.0001 ppm	-0.0030 ppm	0.0015 ppm	0.0040 ppm	0.0086 ppm	-0.0002 ppm	4.2930 ppm
Concentration per Run 2	0.0004 ppm	-0.0021 ppm	0.0033 ppm	0.0032 ppm	0.0085 ppm	-0.0002 ppm	4.1963 ppm
Concentration per Run 3	-0.0001 ppm	-0.0021 ppm	0.0011 ppm	0.0028 ppm	0.0083 ppm	-0.0001 ppm	4.1839 ppm
Concentration RSD	624.1 %	23.0 %	58.3 %	17.6 %	1.8 %	6.3 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0018 ppm	-0.0003 ppm	0.0090 ppm	0.2510 ppm	0.0004 ppm
Concentration per Run 1	-0.0001 ppm	-0.0002 ppm	0.0018 ppm	-0.0005 ppm	0.0105 ppm	0.2290 ppm	0.0005 ppm
Concentration per Run 2	-0.0001 ppm	-0.0002 ppm	0.0022 ppm	-0.0002 ppm	0.0087 ppm	0.2393 ppm	0.0015 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0014 ppm	0.0000 ppm	0.0076 ppm	0.2847 ppm	-0.0009 ppm
Concentration RSD	63.2 %	47.8 %	22.7 %	98.2 %	16.3 %	11.8 %	328.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.1362 ppm	0.0000 ppm	0.0011 ppm	2.6368 ppm	0.0001 ppm	0.0011 ppm	0.0035 ppm
Concentration per Run 1	1.1450 ppm	0.0001 ppm	0.0017 ppm	2.6750 ppm	-0.0003 ppm	0.0009 ppm	0.0047 ppm
Concentration per Run 2	1.1314 ppm	-0.0001 ppm	0.0011 ppm	2.6208 ppm	0.0003 ppm	0.0009 ppm	0.0034 ppm
Concentration per Run 3	1.1323 ppm	0.0000 ppm	0.0006 ppm	2.6145 ppm	0.0003 ppm	0.0015 ppm	0.0026 ppm
Concentration RSD	0.7 %	405.3 %	49.1 %	1.3 %	334.0 %	30.5 %	29.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	1.1513 ppm	0.0020 ppm	0.0193 ppm	0.0000 ppm	-0.0009 ppm	-0.0001 ppm
Concentration per Run 1	0.0019 ppm	1.1529 ppm	0.0022 ppm	0.0196 ppm	-0.0001 ppm	-0.0018 ppm	-0.0004 ppm
Concentration per Run 2	-0.0019 ppm	1.1511 ppm	0.0018 ppm	0.0191 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 3	0.0007 ppm	1.1498 ppm	0.0019 ppm	0.0192 ppm	0.0002 ppm	-0.0008 ppm	-0.0001 ppm
Concentration RSD	817.2 %	0.1 %	11.0 %	1.3 %	328.9 %	109.6 %	145.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	100.0730 %	97.8300 %	97.6976 %	102.6134 %	98.3534 %	100.1950 %
Concentration per Run 1	-0.0002 ppm	99.6649 %	97.0775 %	97.4796 %	101.8135 %	98.2846 %	99.0935 %
Concentration per Run 2	-0.0001 ppm	100.0703 %	98.3473 %	97.6213 %	102.7878 %	98.2206 %	100.8312 %
Concentration per Run 3	0.0000 ppm	100.4838 %	98.0651 %	97.9920 %	103.2388 %	98.5551 %	100.6604 %
Concentration RSD	100.4 %	0.4 %	0.7 %	0.3 %	0.7 %	0.2 %	1.0 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCV
Analysis started at: 9/29/2025 19:55:28
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4955 ppm	0.4894 ppm	0.4786 ppm	0.4841 ppm	0.4963 ppm	0.5141 ppm	0.5089 ppm
Concentration per Run 1	0.4952 ppm	0.4934 ppm	0.4793 ppm	0.4850 ppm	0.5046 ppm	0.5223 ppm	0.5210 ppm
Concentration per Run 2	0.4952 ppm	0.4858 ppm	0.4812 ppm	0.4840 ppm	0.4921 ppm	0.5098 ppm	0.5038 ppm
Concentration per Run 3	0.4960 ppm	0.4890 ppm	0.4753 ppm	0.4832 ppm	0.4921 ppm	0.5102 ppm	0.5019 ppm
Recovery Percentage 1	99.092 %	97.879 %	95.719 %	96.817 %	99.260 %	102.818 %	101.781 %
Concentration RSD	0.1 %	0.8 %	0.6 %	0.2 %	1.5 %	1.4 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4937 ppm	0.4953 ppm	0.5166 ppm	0.5050 ppm	0.5174 ppm	5.2334 ppm	0.5134 ppm
Concentration per Run 1	0.4948 ppm	0.4965 ppm	0.5157 ppm	0.5040 ppm	0.5280 ppm	5.3001 ppm	0.5218 ppm
Concentration per Run 2	0.4943 ppm	0.4956 ppm	0.5165 ppm	0.5045 ppm	0.5109 ppm	5.1936 ppm	0.5074 ppm
Concentration per Run 3	0.4921 ppm	0.4938 ppm	0.5177 ppm	0.5065 ppm	0.5132 ppm	5.2064 ppm	0.5109 ppm
Recovery Percentage 1	98.745 %	99.065 %	103.323 %	101.004 %	103.477 %	104.667 %	102.673 %
Concentration RSD	0.3 %	0.3 %	0.2 %	0.3 %	1.8 %	1.1 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5265 ppm	0.5187 ppm	0.4843 ppm	10.0269 ppm	0.4968 ppm	0.5052 ppm	0.5005 ppm
Concentration per Run 1	0.5243 ppm	0.5275 ppm	0.4859 ppm	10.2085 ppm	0.4980 ppm	0.5043 ppm	0.4998 ppm
Concentration per Run 2	0.5236 ppm	0.5151 ppm	0.4840 ppm	9.9246 ppm	0.4975 ppm	0.5065 ppm	0.5019 ppm
Concentration per Run 3	0.5316 ppm	0.5135 ppm	0.4831 ppm	9.9477 ppm	0.4951 ppm	0.5046 ppm	0.5000 ppm
Recovery Percentage 1	105.302 %	103.737 %	96.861 %	100.269 %	99.369 %	101.031 %	100.109 %
Concentration RSD	0.8 %	1.5 %	0.3 %	1.6 %	0.3 %	0.2 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4957 ppm	5.4855 ppm	0.4939 ppm	0.5047 ppm	0.5142 ppm	0.5065 ppm	0.5237 ppm
Concentration per Run 1	0.4940 ppm	5.4965 ppm	0.4948 ppm	0.5127 ppm	0.5125 ppm	0.5080 ppm	0.5219 ppm
Concentration per Run 2	0.4958 ppm	5.4925 ppm	0.4943 ppm	0.5007 ppm	0.5148 ppm	0.5057 ppm	0.5247 ppm
Concentration per Run 3	0.4974 ppm	5.4677 ppm	0.4927 ppm	0.5007 ppm	0.5151 ppm	0.5057 ppm	0.5244 ppm
Recovery Percentage 1	99.145 %	104.487 %	98.788 %	100.940 %	102.832 %	101.296 %	104.736 %
Concentration RSD	0.3 %	0.3 %	0.2 %	1.4 %	0.3 %	0.3 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5010 ppm	100.4123 %	99.0466 %	98.5753 %	101.8021 %	97.1785 %	100.9577 %
Concentration per Run 1	0.5016 ppm	100.5517 %	99.1424 %	98.6038 %	101.1377 %	97.0658 %	100.9474 %
Concentration per Run 2	0.5018 ppm	100.5503 %	99.1818 %	98.6737 %	102.0663 %	97.1292 %	101.2047 %
Concentration per Run 3	0.4997 ppm	100.1349 %	98.8157 %	98.4484 %	102.2023 %	97.3406 %	100.7211 %
Recovery Percentage 1	100.209 %						
Concentration RSD	0.2 %	0.2 %	0.2 %	0.1 %	0.6 %	0.1 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCB
 Analysis started at: 9/29/2025 19:59:43
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	-0.0102 ppm	0.0001 ppm	-0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run 1	0.0002 ppm	-0.0143 ppm	-0.0006 ppm	-0.0005 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	0.0003 ppm	-0.0072 ppm	-0.0007 ppm	-0.0006 ppm	-0.0002 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run 3	0.0004 ppm	-0.0092 ppm	0.0015 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0006 ppm
Recovery Percentage 1	6.165 %	-10.202 %	1.370 %	-1.531 %	-0.958 %	0.201 %	0.894 %
Concentration RSD	22.5 %	35.8 %	1,812.9 %	31.4 %	134.7 %	60.9 %	107.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0015 ppm	0.0359 ppm	-0.0006 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0031 ppm	0.0409 ppm	0.0003 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0604 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0009 ppm	0.0064 ppm	-0.0025 ppm
Recovery Percentage 1	1.305 %	0.945 %	0.650 %	-0.890 %	3.022 %	1.435 %	-5.818 %
Concentration RSD	47.6 %	111.9 %	414.5 %	216.0 %	90.4 %	76.2 %	291.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0006 ppm	0.0002 ppm	-0.0002 ppm	0.0092 ppm	0.0001 ppm	0.0016 ppm	0.0003 ppm
Concentration per Run 1	0.0022 ppm	0.0000 ppm	-0.0001 ppm	0.0048 ppm	0.0003 ppm	0.0011 ppm	-0.0010 ppm
Concentration per Run 2	0.0005 ppm	0.0005 ppm	-0.0003 ppm	0.0101 ppm	0.0007 ppm	0.0023 ppm	0.0016 ppm
Concentration per Run 3	-0.0008 ppm	0.0001 ppm	-0.0002 ppm	0.0127 ppm	-0.0007 ppm	0.0013 ppm	0.0002 ppm
Recovery Percentage 1	0.630 %	2.188 %	-0.394 %	0.461 %	0.454 %	15.513 %	0.546 %
Concentration RSD	234.0 %	113.5 %	30.3 %	43.6 %	659.7 %	40.6 %	479.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0013 ppm	0.0003 ppm
Concentration per Run 1	0.0005 ppm	-0.0004 ppm	0.0002 ppm	0.0000 ppm	-0.0003 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 2	0.0011 ppm	0.0006 ppm	-0.0003 ppm	0.0000 ppm	0.0003 ppm	-0.0029 ppm	0.0004 ppm
Concentration per Run 3	0.0018 ppm	-0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm	0.0002 ppm
Recovery Percentage 1	11.322 %	-0.029 %	-0.078 %	0.195 %	-0.073 %	-6.616 %	2.842 %
Concentration RSD	58.3 %	444.9 %	610.5 %	34.6 %	4,123.4 %	102.6 %	35.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	101.0742 %	99.8483 %	98.7449 %	100.8945 %	99.4284 %	100.3457 %
Concentration per Run 1	0.0001 ppm	100.1201 %	100.4345 %	99.2879 %	99.2262 %	99.7179 %	100.8233 %
Concentration per Run 2	0.0002 ppm	101.5905 %	99.8055 %	98.4458 %	101.7806 %	99.1052 %	100.3290 %
Concentration per Run 3	0.0002 ppm	101.5120 %	99.3050 %	98.5010 %	101.6767 %	99.4621 %	99.8849 %
Recovery Percentage 1	3.186 %						
Concentration RSD	41.3 %	0.8 %	0.6 %	0.5 %	1.4 %	0.3 %	0.5 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2557076-09 WG2115668
 Analysis started at: 9/29/2025 20:23:49
 Comments: <Comment>
 Rack: 1
 Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	-0.0040 ppm	0.0017 ppm	0.0110 ppm	0.0351 ppm	-0.0001 ppm	15.7561 ppm
Concentration per Run 1	0.0002 ppm	0.0013 ppm	0.0020 ppm	0.0110 ppm	0.0354 ppm	-0.0001 ppm	15.9336 ppm
Concentration per Run 2	0.0005 ppm	-0.0071 ppm	0.0029 ppm	0.0109 ppm	0.0349 ppm	-0.0001 ppm	15.6510 ppm
Concentration per Run 3	0.0005 ppm	-0.0062 ppm	0.0002 ppm	0.0110 ppm	0.0349 ppm	-0.0001 ppm	15.6838 ppm
Concentration RSD	45.2 %	114.4 %	80.3 %	0.5 %	0.8 %	22.1 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0013 ppm	0.0002 ppm	0.0008 ppm	2.0014 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0006 ppm	0.0016 ppm	0.0005 ppm	0.0009 ppm	2.0268 ppm	-0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0012 ppm	-0.0001 ppm	0.0011 ppm	2.0185 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0012 ppm	0.0001 ppm	0.0003 ppm	1.9590 ppm	-0.0001 ppm
Concentration RSD	275.0 %	99.4 %	19.7 %	187.8 %	53.4 %	1.8 %	74.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.5404 ppm	0.0019 ppm	-0.0004 ppm	12.4599 ppm	-0.0003 ppm	0.0029 ppm	0.0011 ppm
Concentration per Run 1	4.5574 ppm	0.0020 ppm	-0.0005 ppm	12.5787 ppm	-0.0003 ppm	0.0032 ppm	0.0008 ppm
Concentration per Run 2	4.5482 ppm	0.0016 ppm	-0.0005 ppm	12.4000 ppm	-0.0005 ppm	0.0029 ppm	0.0032 ppm
Concentration per Run 3	4.5155 ppm	0.0020 ppm	-0.0003 ppm	12.4009 ppm	-0.0001 ppm	0.0028 ppm	-0.0008 ppm
Concentration RSD	0.5 %	12.1 %	27.9 %	0.8 %	74.1 %	8.1 %	188.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	6.3152 ppm	-0.0013 ppm	0.0725 ppm	-0.0002 ppm	-0.0008 ppm	0.0003 ppm
Concentration per Run 1	0.0016 ppm	6.3431 ppm	-0.0011 ppm	0.0735 ppm	-0.0003 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 2	0.0002 ppm	6.3182 ppm	-0.0010 ppm	0.0719 ppm	-0.0003 ppm	-0.0011 ppm	0.0004 ppm
Concentration per Run 3	0.0001 ppm	6.2843 ppm	-0.0017 ppm	0.0721 ppm	0.0001 ppm	-0.0011 ppm	0.0006 ppm
Concentration RSD	128.1 %	0.5 %	27.8 %	1.2 %	115.8 %	62.2 %	98.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0033 ppm	100.8462 %	98.6588 %	97.1096 %	102.6187 %	96.8292 %	100.7471 %
Concentration per Run 1	0.0033 ppm	100.8922 %	98.4984 %	96.7259 %	102.1709 %	96.5028 %	100.5460 %
Concentration per Run 2	0.0033 ppm	100.5810 %	98.0853 %	96.9925 %	102.6169 %	96.6871 %	100.2190 %
Concentration per Run 3	0.0033 ppm	101.0653 %	99.3928 %	97.6105 %	103.0682 %	97.2977 %	101.4763 %
Concentration RSD	0.8 %	0.2 %	0.7 %	0.5 %	0.4 %	0.4 %	0.6 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2557076-10 WG2115668
 Analysis started at: 9/29/2025 20:28:17
 Comments: <Comment>
 Rack: 1
 Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0092 ppm	0.0006 ppm	0.0066 ppm	0.0217 ppm	-0.0001 ppm	13.5294 ppm
Concentration per Run 1	0.0003 ppm	0.0103 ppm	0.0000 ppm	0.0067 ppm	0.0221 ppm	0.0000 ppm	13.7786 ppm
Concentration per Run 2	0.0001 ppm	0.0025 ppm	0.0005 ppm	0.0062 ppm	0.0215 ppm	-0.0001 ppm	13.4401 ppm
Concentration per Run 3	0.0000 ppm	0.0148 ppm	0.0013 ppm	0.0069 ppm	0.0214 ppm	0.0000 ppm	13.3695 ppm
Concentration RSD	104.6 %	67.6 %	117.4 %	5.4 %	1.8 %	41.1 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0038 ppm	0.0069 ppm	0.0007 ppm	1.8828 ppm	1.1959 ppm	0.0037 ppm
Concentration per Run 1	0.0001 ppm	0.0039 ppm	0.0068 ppm	0.0009 ppm	1.9120 ppm	1.2207 ppm	0.0036 ppm
Concentration per Run 2	0.0000 ppm	0.0039 ppm	0.0069 ppm	0.0005 ppm	1.8743 ppm	1.1728 ppm	0.0037 ppm
Concentration per Run 3	0.0000 ppm	0.0036 ppm	0.0069 ppm	0.0006 ppm	1.8622 ppm	1.1943 ppm	0.0037 ppm
Concentration RSD	301.7 %	5.5 %	0.6 %	30.1 %	1.4 %	2.0 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.2735 ppm	0.0343 ppm	-0.0003 ppm	12.7893 ppm	0.0108 ppm	0.0043 ppm	0.0009 ppm
Concentration per Run 1	6.2514 ppm	0.0350 ppm	-0.0004 ppm	12.9627 ppm	0.0105 ppm	0.0034 ppm	0.0003 ppm
Concentration per Run 2	6.2843 ppm	0.0341 ppm	-0.0003 ppm	12.7579 ppm	0.0106 ppm	0.0056 ppm	0.0005 ppm
Concentration per Run 3	6.2849 ppm	0.0338 ppm	0.0000 ppm	12.6472 ppm	0.0115 ppm	0.0037 ppm	0.0019 ppm
Concentration RSD	0.3 %	1.9 %	79.0 %	1.3 %	5.0 %	28.5 %	98.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0025 ppm	11.4429 ppm	-0.0008 ppm	0.0709 ppm	0.0001 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 1	0.0045 ppm	11.3872 ppm	-0.0002 ppm	0.0717 ppm	0.0000 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run 2	0.0019 ppm	11.4108 ppm	-0.0007 ppm	0.0706 ppm	0.0003 ppm	0.0002 ppm	0.0005 ppm
Concentration per Run 3	0.0012 ppm	11.5308 ppm	-0.0014 ppm	0.0703 ppm	0.0001 ppm	-0.0017 ppm	0.0000 ppm
Concentration RSD	68.7 %	0.7 %	80.5 %	1.1 %	124.1 %	138.3 %	109.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0110 ppm	101.0931 %	99.1123 %	97.8746 %	102.2839 %	97.4512 %	101.1766 %
Concentration per Run 1	0.0109 ppm	100.2703 %	99.4854 %	98.2560 %	100.3795 %	97.9449 %	101.3919 %
Concentration per Run 2	0.0109 ppm	101.3206 %	99.2519 %	97.8833 %	103.0026 %	97.6721 %	101.3583 %
Concentration per Run 3	0.0111 ppm	101.6884 %	98.5997 %	97.4845 %	103.4695 %	96.7367 %	100.7797 %
Concentration RSD	1.1 %	0.7 %	0.5 %	0.4 %	1.6 %	0.7 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2557788-01 WG2115668
 Analysis started at: 9/29/2025 20:32:46
 Comments: <Comment>
 Rack: 1
 Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.1062 ppm	0.0030 ppm	0.0181 ppm	0.0174 ppm	-0.0001 ppm	5.9605 ppm
Concentration per Run 1	-0.0007 ppm	0.1012 ppm	0.0020 ppm	0.0175 ppm	0.0174 ppm	-0.0001 ppm	6.0075 ppm
Concentration per Run 2	0.0005 ppm	0.1150 ppm	0.0029 ppm	0.0185 ppm	0.0174 ppm	-0.0001 ppm	5.9510 ppm
Concentration per Run 3	0.0003 ppm	0.1023 ppm	0.0042 ppm	0.0184 ppm	0.0173 ppm	-0.0001 ppm	5.9229 ppm
Concentration RSD	1,387.3 %	7.2 %	36.7 %	3.0 %	0.5 %	34.0 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0015 ppm	0.0210 ppm	0.0549 ppm	0.8309 ppm	2.3044 ppm	-0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0015 ppm	0.0210 ppm	0.0549 ppm	0.8359 ppm	2.3496 ppm	-0.0001 ppm
Concentration per Run 2	0.0001 ppm	0.0016 ppm	0.0211 ppm	0.0550 ppm	0.8291 ppm	2.2804 ppm	-0.0012 ppm
Concentration per Run 3	0.0001 ppm	0.0015 ppm	0.0209 ppm	0.0547 ppm	0.8276 ppm	2.2833 ppm	-0.0007 ppm
Concentration RSD	58.4 %	5.1 %	0.6 %	0.2 %	0.5 %	1.7 %	81.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.5006 ppm	0.0203 ppm	0.0003 ppm	201.3636 ppm	0.0055 ppm	0.0041 ppm	0.0016 ppm
Concentration per Run 1	2.4947 ppm	0.0209 ppm	0.0003 ppm	201.5183 ppm	0.0054 ppm	0.0040 ppm	0.0018 ppm
Concentration per Run 2	2.5008 ppm	0.0201 ppm	0.0003 ppm	202.6146 ppm	0.0061 ppm	0.0050 ppm	0.0011 ppm
Concentration per Run 3	2.5064 ppm	0.0200 ppm	0.0003 ppm	199.9578 ppm	0.0050 ppm	0.0034 ppm	0.0018 ppm
Concentration RSD	0.2 %	2.4 %	17.9 %	0.7 %	10.4 %	19.6 %	25.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0057 ppm	3.5837 ppm	0.0029 ppm	0.0678 ppm	0.0047 ppm	-0.0007 ppm	0.0014 ppm
Concentration per Run 1	0.0043 ppm	3.5850 ppm	0.0017 ppm	0.0684 ppm	0.0044 ppm	-0.0018 ppm	0.0011 ppm
Concentration per Run 2	0.0077 ppm	3.6027 ppm	0.0036 ppm	0.0677 ppm	0.0049 ppm	-0.0004 ppm	0.0014 ppm
Concentration per Run 3	0.0050 ppm	3.5634 ppm	0.0035 ppm	0.0675 ppm	0.0047 ppm	0.0000 ppm	0.0019 ppm
Concentration RSD	31.7 %	0.5 %	37.3 %	0.7 %	5.6 %	120.7 %	27.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1682 ppm	102.8059 %	95.5756 %	94.8459 %	103.8514 %	90.6907 %	97.3665 %
Concentration per Run 1	0.1679 ppm	102.9101 %	95.8637 %	94.8853 %	103.2747 %	90.4897 %	97.6225 %
Concentration per Run 2	0.1688 ppm	102.5312 %	95.6766 %	94.8274 %	104.0581 %	90.3353 %	97.4259 %
Concentration per Run 3	0.1680 ppm	102.9764 %	95.1865 %	94.8252 %	104.2212 %	91.2470 %	97.0511 %
Concentration RSD	0.3 %	0.2 %	0.4 %	0.0 %	0.5 %	0.5 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2558023-01 WG2115668
 Analysis started at: 9/29/2025 20:37:23
 Comments: <Comment>
 Rack: 1
 Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0510 ppm	0.0034 ppm	0.1510 ppm	0.4060 ppm	-0.0002 ppm	290.9400 ppm
Concentration per Run 1	0.0004 ppm	0.0424 ppm	0.0048 ppm	0.1510 ppm	0.4073 ppm	-0.0002 ppm	292.6223 ppm
Concentration per Run 2	-0.0001 ppm	0.0534 ppm	0.0033 ppm	0.1510 ppm	0.4046 ppm	-0.0002 ppm	289.6210 ppm
Concentration per Run 3	0.0003 ppm	0.0572 ppm	0.0021 ppm	0.1511 ppm	0.4060 ppm	-0.0001 ppm	290.5768 ppm
Concentration RSD	142.6 %	15.1 %	39.4 %	0.0 %	0.3 %	12.8 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0002 ppm	0.0014 ppm	0.0043 ppm	0.3134 ppm	5.2971 ppm	0.0065 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0015 ppm	0.0045 ppm	0.3144 ppm	5.2819 ppm	0.0070 ppm
Concentration per Run 2	-0.0001 ppm	0.0005 ppm	0.0014 ppm	0.0042 ppm	0.3127 ppm	5.2933 ppm	0.0055 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0014 ppm	0.0042 ppm	0.3129 ppm	5.3161 ppm	0.0069 ppm
Concentration RSD	131.9 %	124.1 %	4.0 %	3.7 %	0.3 %	0.3 %	12.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	46.2354 ppm	0.7655 ppm	-0.0005 ppm	148.5284 ppm	-0.0018 ppm	0.0064 ppm	0.0002 ppm
Concentration per Run 1	46.2353 ppm	0.7678 ppm	-0.0001 ppm	150.2512 ppm	-0.0015 ppm	0.0073 ppm	-0.0003 ppm
Concentration per Run 2	46.2892 ppm	0.7643 ppm	-0.0004 ppm	147.0090 ppm	-0.0023 ppm	0.0049 ppm	-0.0011 ppm
Concentration per Run 3	46.1817 ppm	0.7645 ppm	-0.0010 ppm	148.3249 ppm	-0.0014 ppm	0.0071 ppm	0.0020 ppm
Concentration RSD	0.1 %	0.3 %	100.6 %	1.1 %	27.2 %	21.0 %	965.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	8.9269 ppm	-0.0008 ppm	5.0757 ppm	0.0017 ppm	-0.0017 ppm	0.0008 ppm
Concentration per Run 1	0.0013 ppm	8.9130 ppm	-0.0004 ppm	5.0918 ppm	0.0012 ppm	-0.0012 ppm	0.0005 ppm
Concentration per Run 2	0.0015 ppm	8.9161 ppm	-0.0015 ppm	5.0881 ppm	0.0020 ppm	-0.0020 ppm	0.0011 ppm
Concentration per Run 3	0.0007 ppm	8.9516 ppm	-0.0006 ppm	5.0471 ppm	0.0019 ppm	-0.0019 ppm	0.0007 ppm
Concentration RSD	36.6 %	0.2 %	75.3 %	0.5 %	24.4 %	27.7 %	43.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0141 ppm	99.4880 %	91.8126 %	89.3888 %	98.5489 %	80.6999 %	91.0745 %
Concentration per Run 1	0.0140 ppm	99.6822 %	91.7712 %	89.6082 %	98.1582 %	80.7908 %	91.0387 %
Concentration per Run 2	0.0142 ppm	99.6762 %	91.8094 %	89.3556 %	99.1199 %	80.6620 %	91.0478 %
Concentration per Run 3	0.0141 ppm	99.1056 %	91.8572 %	89.2026 %	98.3686 %	80.6468 %	91.1370 %
Concentration RSD	0.7 %	0.3 %	0.0 %	0.2 %	0.5 %	0.1 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCV
 Analysis started at: 9/29/2025 20:53:55
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4871 ppm	0.4769 ppm	0.4722 ppm	0.4747 ppm	0.4889 ppm	0.5101 ppm	0.5029 ppm
Concentration per Run 1	0.4860 ppm	0.4848 ppm	0.4733 ppm	0.4744 ppm	0.4991 ppm	0.5199 ppm	0.5129 ppm
Concentration per Run 2	0.4870 ppm	0.4709 ppm	0.4727 ppm	0.4749 ppm	0.4843 ppm	0.5055 ppm	0.4979 ppm
Concentration per Run 3	0.4884 ppm	0.4751 ppm	0.4707 ppm	0.4747 ppm	0.4832 ppm	0.5049 ppm	0.4979 ppm
Recovery Percentage 1	97.427 %	95.387 %	94.448 %	94.935 %	97.777 %	102.020 %	100.584 %
Concentration RSD	0.2 %	1.5 %	0.3 %	0.1 %	1.8 %	1.7 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4895 ppm	0.4854 ppm	0.5137 ppm	0.4974 ppm	0.5140 ppm	5.1678 ppm	0.5093 ppm
Concentration per Run 1	0.4905 ppm	0.4850 ppm	0.5140 ppm	0.4974 ppm	0.5221 ppm	5.2724 ppm	0.5203 ppm
Concentration per Run 2	0.4896 ppm	0.4859 ppm	0.5135 ppm	0.4969 ppm	0.5090 ppm	5.1405 ppm	0.5069 ppm
Concentration per Run 3	0.4883 ppm	0.4853 ppm	0.5136 ppm	0.4978 ppm	0.5108 ppm	5.0904 ppm	0.5008 ppm
Recovery Percentage 1	97.893 %	97.072 %	102.738 %	99.478 %	102.797 %	103.355 %	101.865 %
Concentration RSD	0.2 %	0.1 %	0.1 %	0.1 %	1.4 %	1.8 %	2.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5295 ppm	0.5165 ppm	0.4769 ppm	9.8485 ppm	0.4843 ppm	0.5008 ppm	0.4913 ppm
Concentration per Run 1	0.5328 ppm	0.5255 ppm	0.4758 ppm	10.0577 ppm	0.4859 ppm	0.5014 ppm	0.4900 ppm
Concentration per Run 2	0.5292 ppm	0.5118 ppm	0.4777 ppm	9.7411 ppm	0.4837 ppm	0.5010 ppm	0.4922 ppm
Concentration per Run 3	0.5264 ppm	0.5121 ppm	0.4771 ppm	9.7468 ppm	0.4833 ppm	0.5001 ppm	0.4919 ppm
Recovery Percentage 1	105.897 %	103.291 %	95.372 %	98.485 %	96.856 %	100.166 %	98.270 %
Concentration RSD	0.6 %	1.5 %	0.2 %	1.8 %	0.3 %	0.1 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4879 ppm	5.4111 ppm	0.4870 ppm	0.4979 ppm	0.5115 ppm	0.4971 ppm	0.5197 ppm
Concentration per Run 1	0.4852 ppm	5.4119 ppm	0.4867 ppm	0.5080 ppm	0.5116 ppm	0.4962 ppm	0.5200 ppm
Concentration per Run 2	0.4878 ppm	5.4170 ppm	0.4867 ppm	0.4935 ppm	0.5117 ppm	0.4988 ppm	0.5193 ppm
Concentration per Run 3	0.4908 ppm	5.4044 ppm	0.4876 ppm	0.4922 ppm	0.5111 ppm	0.4962 ppm	0.5199 ppm
Recovery Percentage 1	97.587 %	103.069 %	97.400 %	99.578 %	102.298 %	99.415 %	103.946 %
Concentration RSD	0.6 %	0.1 %	0.1 %	1.8 %	0.1 %	0.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4973 ppm	99.9926 %	99.5185 %	98.9829 %	101.6101 %	98.3043 %	102.1556 %
Concentration per Run 1	0.4982 ppm	99.8597 %	99.7413 %	98.9070 %	100.1326 %	98.2626 %	102.3546 %
Concentration per Run 2	0.4981 ppm	100.6547 %	99.3184 %	98.7441 %	102.5681 %	98.2488 %	102.0902 %
Concentration per Run 3	0.4957 ppm	99.4634 %	99.4958 %	99.2975 %	102.1295 %	98.4016 %	102.0221 %
Recovery Percentage 1	99.467 %						
Concentration RSD	0.3 %	0.6 %	0.2 %	0.3 %	1.3 %	0.1 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCB
Analysis started at: 9/29/2025 20:58:11
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0041 ppm	-0.0001 ppm	-0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0050 ppm
Concentration per Run 1	0.0002 ppm	0.0031 ppm	-0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0074 ppm
Concentration per Run 2	0.0004 ppm	-0.0092 ppm	0.0007 ppm	-0.0008 ppm	-0.0002 ppm	-0.0001 ppm	-0.0061 ppm
Concentration per Run 3	0.0001 ppm	-0.0062 ppm	-0.0003 ppm	-0.0010 ppm	0.0002 ppm	0.0000 ppm	-0.0015 ppm
Recovery Percentage 1	4.740 %	-4.111 %	-1.138 %	-2.038 %	0.008 %	-0.587 %	-5.015 %
Concentration RSD	66.0 %	155.1 %	1,164.8 %	77.1 %	26,285.4 %	113.1 %	61.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0004 ppm	0.0010 ppm	0.0099 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0009 ppm	0.0238 ppm	-0.0001 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0031 ppm	0.0006 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0007 ppm	0.0023 ppm	0.0029 ppm	0.0008 ppm
Recovery Percentage 1	-0.009 %	-0.232 %	1.291 %	-4.105 %	2.097 %	0.398 %	4.458 %
Concentration RSD	2,328.3 %	526.7 %	83.5 %	52.2 %	108.9 %	120.5 %	104.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0164 ppm	-0.0001 ppm	0.0004 ppm	0.0008 ppm
Concentration per Run 1	0.0025 ppm	0.0001 ppm	0.0000 ppm	0.0058 ppm	0.0000 ppm	0.0023 ppm	0.0001 ppm
Concentration per Run 2	-0.0007 ppm	0.0000 ppm	-0.0003 ppm	0.0220 ppm	-0.0005 ppm	-0.0001 ppm	0.0017 ppm
Concentration per Run 3	-0.0021 ppm	0.0003 ppm	-0.0003 ppm	0.0214 ppm	0.0003 ppm	-0.0009 ppm	0.0004 ppm
Recovery Percentage 1	-0.094 %	1.235 %	-0.347 %	0.820 %	-0.223 %	4.293 %	1.510 %
Concentration RSD	2,497.7 %	121.9 %	100.1 %	56.0 %	685.7 %	384.7 %	113.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0020 ppm	0.0063 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run 1	0.0027 ppm	0.0074 ppm	0.0003 ppm	0.0001 ppm	-0.0005 ppm	-0.0014 ppm	0.0004 ppm
Concentration per Run 2	0.0020 ppm	0.0055 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0015 ppm	0.0001 ppm
Concentration per Run 3	0.0012 ppm	0.0060 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm	-0.0006 ppm	-0.0002 ppm
Recovery Percentage 1	19.900 %	1.259 %	0.204 %	1.231 %	-2.198 %	-5.800 %	0.968 %
Concentration RSD	38.4 %	15.8 %	195.9 %	62.1 %	108.2 %	41.8 %	324.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	99.6434 %	99.8424 %	98.3182 %	99.8179 %	99.9258 %	101.3471 %
Concentration per Run 1	0.0002 ppm	99.5488 %	99.6211 %	98.5815 %	98.6078 %	100.2241 %	101.0538 %
Concentration per Run 2	0.0003 ppm	99.7081 %	100.1673 %	98.3312 %	100.3086 %	99.6702 %	101.6887 %
Concentration per Run 3	0.0000 ppm	99.6732 %	99.7387 %	98.0419 %	100.5374 %	99.8831 %	101.2988 %
Recovery Percentage 1	3.303 %						
Concentration RSD	73.1 %	0.1 %	0.3 %	0.3 %	1.1 %	0.3 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2118724-1 WG2118724
 Analysis started at: 9/29/2025 21:22:02
 Comments: <Comment>
 Rack: 1
 Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0050 ppm	-0.0001 ppm	-0.0009 ppm	-0.0001 ppm	-0.0001 ppm	-0.0023 ppm
Concentration per Run 1	0.0004 ppm	0.0113 ppm	0.0012 ppm	-0.0012 ppm	-0.0002 ppm	-0.0001 ppm	-0.0061 ppm
Concentration per Run 2	0.0002 ppm	-0.0022 ppm	-0.0009 ppm	-0.0006 ppm	-0.0001 ppm	-0.0001 ppm	-0.0037 ppm
Concentration per Run 3	0.0005 ppm	0.0058 ppm	-0.0005 ppm	-0.0009 ppm	0.0001 ppm	-0.0001 ppm	0.0030 ppm
Recovery Percentage 1	6.744 %	4.963 %	-1.097 %	-3.136 %	-0.786 %	-1.727 %	-2.252 %
Concentration RSD	44.4 %	136.9 %	1,968.7 %	31.3 %	147.5 %	37.2 %	210.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm	-0.0036 ppm	0.0032 ppm	-0.0001 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0004 ppm	-0.0023 ppm	-0.0083 ppm	0.0011 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0037 ppm	0.0133 ppm	-0.0011 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0048 ppm	0.0047 ppm	-0.0002 ppm
Recovery Percentage 1	-2.104 %	4.445 %	0.406 %	-2.520 %	-7.181 %	0.130 %	-0.806 %
Concentration RSD	25.1 %	280.1 %	136.3 %	58.3 %	34.2 %	335.5 %	1,414.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0008 ppm	0.0000 ppm	-0.0006 ppm	-0.0102 ppm	0.0001 ppm	0.0011 ppm	0.0009 ppm
Concentration per Run 1	0.0003 ppm	0.0001 ppm	-0.0007 ppm	-0.0027 ppm	0.0006 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 2	0.0017 ppm	-0.0001 ppm	-0.0005 ppm	-0.0133 ppm	0.0003 ppm	0.0019 ppm	0.0006 ppm
Concentration per Run 3	0.0005 ppm	-0.0001 ppm	-0.0007 ppm	-0.0147 ppm	-0.0005 ppm	0.0012 ppm	0.0020 ppm
Recovery Percentage 1	0.806 %	-0.475 %	-1.277 %	-0.512 %	0.507 %	11.143 %	1.888 %
Concentration RSD	94.5 %	263.9 %	14.7 %	64.2 %	444.3 %	69.4 %	102.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0004 ppm	0.0074 ppm	-0.0008 ppm	-0.0001 ppm	-0.0004 ppm	-0.0008 ppm	0.0000 ppm
Concentration per Run 1	-0.0008 ppm	0.0076 ppm	-0.0012 ppm	0.0000 ppm	-0.0003 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 2	-0.0005 ppm	0.0070 ppm	-0.0004 ppm	-0.0001 ppm	-0.0003 ppm	-0.0011 ppm	-0.0002 ppm
Concentration per Run 3	0.0003 ppm	0.0075 ppm	-0.0009 ppm	-0.0002 ppm	-0.0006 ppm	-0.0011 ppm	0.0000 ppm
Recovery Percentage 1	-3.524 %	1.477 %	-1.676 %	-0.833 %	-3.830 %	-3.952 %	0.007 %
Concentration RSD	157.3 %	4.9 %	49.1 %	96.8 %	41.6 %	69.0 %	27,773.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0002 ppm	101.4412 %	100.7707 %	98.9473 %	101.7097 %	100.9401 %	102.1383 %
Concentration per Run 1	-0.0003 ppm	101.5244 %	101.0186 %	99.2096 %	101.1064 %	101.0789 %	102.3115 %
Concentration per Run 2	-0.0001 ppm	101.7303 %	100.6481 %	98.7565 %	102.1395 %	100.8083 %	102.0110 %
Concentration per Run 3	-0.0002 ppm	101.0689 %	100.6455 %	98.8758 %	101.8833 %	100.9332 %	102.0923 %
Recovery Percentage 1	-4.761 %						
Concentration RSD	43.3 %	0.3 %	0.2 %	0.2 %	0.5 %	0.1 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2118724-2 WG2118724
 Analysis started at: 9/29/2025 21:26:35
 Comments: <Comment>
 Rack: 1
 Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0500 ppm	2.0409 ppm	0.1189 ppm	0.9931 ppm	1.9830 ppm	0.0509 ppm	10.4142 ppm
Concentration per Run 1	0.0499 ppm	2.0731 ppm	0.1191 ppm	0.9939 ppm	2.0198 ppm	0.0517 ppm	10.6081 ppm
Concentration per Run 2	0.0500 ppm	2.0261 ppm	0.1183 ppm	0.9911 ppm	1.9661 ppm	0.0505 ppm	10.3340 ppm
Concentration per Run 3	0.0503 ppm	2.0234 ppm	0.1192 ppm	0.9942 ppm	1.9631 ppm	0.0504 ppm	10.3005 ppm
Concentration RSD	0.4 %	1.4 %	0.4 %	0.2 %	1.6 %	1.4 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0520 ppm	0.4734 ppm	0.2034 ppm	0.2471 ppm	1.0230 ppm	10.9243 ppm	0.0007 ppm
Concentration per Run 1	0.0520 ppm	0.4738 ppm	0.2043 ppm	0.2472 ppm	1.0388 ppm	11.0908 ppm	0.0011 ppm
Concentration per Run 2	0.0519 ppm	0.4731 ppm	0.2039 ppm	0.2478 ppm	1.0170 ppm	10.8381 ppm	0.0003 ppm
Concentration per Run 3	0.0522 ppm	0.4734 ppm	0.2021 ppm	0.2463 ppm	1.0130 ppm	10.8441 ppm	0.0008 ppm
Concentration RSD	0.2 %	0.1 %	0.6 %	0.3 %	1.4 %	1.3 %	50.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.9467 ppm	0.5082 ppm	0.9990 ppm	10.5458 ppm	0.4732 ppm	0.5275 ppm	0.4835 ppm
Concentration per Run 1	10.9618 ppm	0.5162 ppm	0.9987 ppm	10.7399 ppm	0.4741 ppm	0.5281 ppm	0.4835 ppm
Concentration per Run 2	10.9524 ppm	0.5036 ppm	0.9988 ppm	10.4651 ppm	0.4723 ppm	0.5263 ppm	0.4828 ppm
Concentration per Run 3	10.9260 ppm	0.5048 ppm	0.9996 ppm	10.4325 ppm	0.4732 ppm	0.5282 ppm	0.4841 ppm
Concentration RSD	0.2 %	1.4 %	0.1 %	1.6 %	0.2 %	0.2 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1181 ppm	1.0366 ppm	1.0056 {SIC 20}	1.0294 ppm	1.0557 ppm	0.1168 ppm	0.5190 ppm
Concentration per Run 1	0.1155 ppm	1.0353 ppm	1.0035 ppm	1.0479 ppm	1.0567 ppm	0.1173 ppm	0.5198 ppm
Concentration per Run 2	0.1182 ppm	1.0369 ppm	1.0048 ppm	1.0214 ppm	1.0570 ppm	0.1161 ppm	0.5191 ppm
Concentration per Run 3	0.1207 ppm	1.0376 ppm	1.0085 ppm	1.0188 ppm	1.0534 ppm	0.1169 ppm	0.5181 ppm
Concentration RSD	2.2 %	0.1 %	0.3 %	1.6 %	0.2 %	0.5 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4949 ppm	101.0629 %	98.9272 %	96.8232 %	102.1397 %	96.4227 %	101.5243 %
Concentration per Run 1	0.4942 ppm	100.7228 %	99.0396 %	96.8898 %	100.5523 %	96.4259 %	101.4937 %
Concentration per Run 2	0.4941 ppm	101.0847 %	98.8092 %	96.9499 %	102.7321 %	96.6162 %	101.4378 %
Concentration per Run 3	0.4964 ppm	101.3813 %	98.9328 %	96.6301 %	103.1347 %	96.2260 %	101.6414 %
Concentration RSD	0.3 %	0.3 %	0.1 %	0.2 %	1.4 %	0.2 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2559062-01 WG2118724
 Analysis started at: 9/29/2025 21:30:47
 Comments: <Comment>
 Rack: 1
 Vial: 31

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0007 ppm	0.0130 ppm	0.0556 ppm	-0.0002 ppm	147.6409 ppm
Concentration per Run 1	-0.0002 ppm	-0.0046 ppm	0.0013 ppm	0.0128 ppm	0.0548 ppm	-0.0002 ppm	145.7819 ppm
Concentration per Run 2	0.0001 ppm	-0.0024 ppm	-0.0030 ppm	0.0130 ppm	0.0579 ppm	-0.0002 ppm	153.7951 ppm
Concentration per Run 3	-0.0004 ppm	0.0076 ppm	0.0039 ppm	0.0130 ppm	0.0540 ppm	-0.0002 ppm	143.3458 ppm
Concentration RSD	128.4 %	3,255.0 %	468.7 %	0.9 %	3.7 %	15.3 %	3.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0011 ppm	0.0006 ppm	0.0014 ppm	-0.0005 ppm	2.7578 ppm	0.0027 ppm
Concentration per Run 1	0.0001 ppm	0.0013 ppm	0.0006 ppm	0.0016 ppm	-0.0006 ppm	2.7268 ppm	0.0037 ppm
Concentration per Run 2	0.0001 ppm	0.0008 ppm	0.0007 ppm	0.0013 ppm	-0.0021 ppm	2.8694 ppm	0.0027 ppm
Concentration per Run 3	0.0000 ppm	0.0012 ppm	0.0004 ppm	0.0014 ppm	0.0011 ppm	2.6772 ppm	0.0016 ppm
Concentration RSD	53.3 %	25.1 %	28.7 %	9.5 %	298.5 %	3.6 %	38.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	40.7768 ppm	2.7073 ppm	0.0000 ppm	70.6123 ppm	-0.0010 ppm	0.0048 ppm	0.0017 ppm
Concentration per Run 1	40.7293 ppm	2.6737 ppm	0.0003 ppm	69.6805 ppm	-0.0003 ppm	0.0052 ppm	0.0023 ppm
Concentration per Run 2	40.7742 ppm	2.8195 ppm	-0.0001 ppm	73.6737 ppm	-0.0013 ppm	0.0039 ppm	0.0010 ppm
Concentration per Run 3	40.8269 ppm	2.6289 ppm	-0.0001 ppm	68.4828 ppm	-0.0015 ppm	0.0053 ppm	0.0019 ppm
Concentration RSD	0.1 %	3.7 %	2,364.8 %	3.8 %	60.6 %	16.4 %	37.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0029 ppm	6.7582 ppm	-0.0001 ppm	0.1433 ppm	0.0007 ppm	-0.0024 ppm	0.0021 ppm
Concentration per Run 1	-0.0025 ppm	6.7885 ppm	0.0002 ppm	0.1414 ppm	0.0006 ppm	-0.0030 ppm	0.0019 ppm
Concentration per Run 2	-0.0047 ppm	6.7504 ppm	-0.0005 ppm	0.1495 ppm	0.0008 ppm	-0.0007 ppm	0.0022 ppm
Concentration per Run 3	-0.0015 ppm	6.7357 ppm	0.0001 ppm	0.1392 ppm	0.0007 ppm	-0.0036 ppm	0.0021 ppm
Concentration RSD	56.5 %	0.4 %	680.1 %	3.8 %	11.2 %	64.0 %	8.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0020 ppm	96.9272 %	94.0189 %	91.8905 %	98.2430 %	87.7793 %	96.3685 %
Concentration per Run 1	0.0020 ppm	98.7263 %	94.0007 %	91.9886 %	98.9782 %	87.5564 %	96.2307 %
Concentration per Run 2	0.0022 ppm	92.9493 %	94.3196 %	91.7525 %	95.1394 %	87.9079 %	96.8164 %
Concentration per Run 3	0.0019 ppm	99.1060 %	93.7364 %	91.9305 %	100.6114 %	87.8736 %	96.0585 %
Concentration RSD	7.2 %	3.6 %	0.3 %	0.1 %	2.9 %	0.2 %	0.4 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: xL2559325-02 WG2118724
 Analysis started at: 9/29/2025 21:35:15
 Comments: <Comment>
 Rack: 1
 Vial: 32

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.4722 ppm	0.0043 ppm	0.0716 ppm	0.0321 ppm	-0.0002 ppm	55.2099 ppm
Concentration per Run 1	0.0000 ppm	0.4806 ppm	0.0018 ppm	0.0712 ppm	0.0326 ppm	-0.0001 ppm	55.9625 ppm
Concentration per Run 2	0.0003 ppm	0.4752 ppm	0.0058 ppm	0.0716 ppm	0.0318 ppm	-0.0002 ppm	55.0224 ppm
Concentration per Run 3	0.0000 ppm	0.4606 ppm	0.0054 ppm	0.0721 ppm	0.0318 ppm	-0.0001 ppm	54.6450 ppm
Concentration RSD	185.3 %	2.2 %	50.8 %	0.7 %	1.4 %	18.5 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0017 ppm	0.0108 ppm	N/A	N/A	0.0085 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0017 ppm	0.0108 ppm	N/A	N/A	0.0090 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0016 ppm	0.0108 ppm	N/A	N/A	0.0085 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0017 ppm	0.0107 ppm	N/A	N/A	0.0079 ppm
Concentration RSD	53.7 %	872.2 %	5.5 %	0.5 %	N/A	N/A	6.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.6786 ppm	0.0030 ppm	0.0579 ppm	N/A	-0.0009 ppm	0.0023 ppm	0.0005 ppm
Concentration per Run 1	15.7116 ppm	0.0031 ppm	0.0577 ppm	N/A	-0.0015 ppm	0.0022 ppm	0.0012 ppm
Concentration per Run 2	15.6464 ppm	0.0029 ppm	0.0582 ppm	N/A	-0.0011 ppm	0.0025 ppm	-0.0009 ppm
Concentration per Run 3	15.6778 ppm	0.0028 ppm	0.0578 ppm	N/A	-0.0002 ppm	0.0021 ppm	0.0010 ppm
Concentration RSD	0.2 %	5.4 %	0.5 %	N/A	72.4 %	8.1 %	255.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	1.8383 ppm	-0.0001 ppm	0.2969 ppm	0.0000 ppm	-0.0012 ppm	0.0007 ppm
Concentration per Run 1	-0.0018 ppm	1.8342 ppm	0.0005 ppm	0.3004 ppm	-0.0004 ppm	0.0012 ppm	0.0006 ppm
Concentration per Run 2	0.0060 ppm	1.8380 ppm	-0.0004 ppm	0.2960 ppm	0.0002 ppm	-0.0034 ppm	0.0009 ppm
Concentration per Run 3	0.0008 ppm	1.8428 ppm	-0.0005 ppm	0.2945 ppm	0.0002 ppm	-0.0014 ppm	0.0007 ppm
Concentration RSD	239.7 %	0.2 %	463.8 %	1.0 %	940.2 %	194.5 %	23.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0280 ppm	94.3988 %	80.7688 %	83.3477 %	95.5528 %	73.0409 %	82.0130 %
Concentration per Run 1	0.0281 ppm	93.9385 %	80.8807 %	83.6346 %	94.0373 %	73.2664 %	82.1321 %
Concentration per Run 2	0.0281 ppm	94.4756 %	80.8556 %	83.2055 %	95.8247 %	73.0383 %	82.0514 %
Concentration per Run 3	0.0279 ppm	94.7822 %	80.5700 %	83.2030 %	96.7963 %	72.8181 %	81.8556 %
Concentration RSD	0.5 %	0.5 %	0.2 %	0.3 %	1.5 %	0.3 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: eL2559325-01 WG2118724
 Analysis started at: 9/29/2025 21:39:48
 Comments: <Comment>
 Rack: 1
 Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.8633 ppm	0.0050 ppm	0.0443 ppm	0.0128 ppm	-0.0001 ppm	19.0104 ppm
Concentration per Run 1	-0.0002 ppm	0.8765 ppm	0.0056 ppm	0.0444 ppm	0.0129 ppm	-0.0001 ppm	19.2165 ppm
Concentration per Run 2	0.0001 ppm	0.8622 ppm	0.0035 ppm	0.0439 ppm	0.0127 ppm	-0.0001 ppm	18.9349 ppm
Concentration per Run 3	-0.0002 ppm	0.8514 ppm	0.0059 ppm	0.0444 ppm	0.0127 ppm	-0.0002 ppm	18.8798 ppm
Concentration RSD	191.8 %	1.5 %	25.5 %	0.6 %	0.7 %	28.4 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0010 ppm	0.0055 ppm	-0.0409 ppm	5.1297 ppm	0.0029 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0009 ppm	0.0055 ppm	-0.0421 ppm	5.0756 ppm	0.0039 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0014 ppm	0.0057 ppm	-0.0399 ppm	5.1480 ppm	0.0018 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0054 ppm	-0.0407 ppm	5.1655 ppm	0.0030 ppm
Concentration RSD	103.0 %	29.0 %	32.4 %	2.5 %	2.7 %	0.9 %	36.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	11.2037 ppm	0.0022 ppm	0.0014 ppm	1,932.8602 [SIC 500]	-0.0016 ppm	0.0024 ppm	0.0008 ppm
Concentration per Run 1	11.1959 ppm	0.0022 ppm	0.0015 ppm	1,970.1484 ppm	-0.0019 ppm	0.0027 ppm	-0.0001 ppm
Concentration per Run 2	11.2038 ppm	0.0021 ppm	0.0015 ppm	1,913.2949 ppm	-0.0028 ppm	0.0025 ppm	0.0012 ppm
Concentration per Run 3	11.2115 ppm	0.0022 ppm	0.0013 ppm	1,915.1373 ppm	0.0000 ppm	0.0022 ppm	0.0012 ppm
Concentration RSD	0.1 %	2.8 %	8.4 %	1.7 %	90.8 %	10.6 %	100.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	0.5950 ppm	0.0004 ppm	0.0878 ppm	0.0016 ppm	-0.0015 ppm	-0.0001 ppm
Concentration per Run 1	-0.0023 ppm	0.5987 ppm	0.0000 ppm	0.0886 ppm	0.0016 ppm	-0.0006 ppm	-0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.5925 ppm	0.0007 ppm	0.0875 ppm	0.0017 ppm	-0.0016 ppm	0.0001 ppm
Concentration per Run 3	0.0002 ppm	0.5939 ppm	0.0004 ppm	0.0872 ppm	0.0016 ppm	-0.0022 ppm	-0.0002 ppm
Concentration RSD	192.4 %	0.5 %	92.7 %	0.8 %	4.7 %	53.2 %	155.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0159 ppm	96.2470 %	83.3269 %	85.3712 %	98.2546 %	75.5534 %	85.3328 %
Concentration per Run 1	0.0160 ppm	96.2483 %	83.5412 %	85.2500 %	97.3853 %	75.5064 %	85.5178 %
Concentration per Run 2	0.0157 ppm	96.5548 %	83.2072 %	85.3996 %	98.7927 %	75.8031 %	85.1749 %
Concentration per Run 3	0.0159 ppm	95.9378 %	83.2324 %	85.4640 %	98.5858 %	75.3509 %	85.3058 %
Concentration RSD	1.1 %	0.3 %	0.2 %	0.1 %	0.8 %	0.3 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: eWG2118724-3 WG2118724
 Analysis started at: 9/29/2025 21:44:25
 Comments: <Comment>
 Rack: 1
 Vial: 27

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0574 ppm	2.9419 ppm	0.1474 ppm	1.1124 ppm	2.0017 ppm	0.0515 ppm	29.4230 ppm
Concentration per Run 1	0.0572 ppm	2.9712 ppm	0.1501 ppm	1.1213 ppm	2.0226 ppm	0.0521 ppm	29.7771 ppm
Concentration per Run 2	0.0577 ppm	2.9321 ppm	0.1410 ppm	1.0918 ppm	1.9939 ppm	0.0512 ppm	29.3399 ppm
Concentration per Run 3	0.0573 ppm	2.9223 ppm	0.1512 ppm	1.1241 ppm	1.9887 ppm	0.0511 ppm	29.1521 ppm
Concentration RSD	0.4 %	0.9 %	3.8 %	1.6 %	0.9 %	1.1 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0586 ppm	0.4985 ppm	0.2079 ppm	0.2667 ppm	0.9884 ppm	17.1438 ppm	0.0031 ppm
Concentration per Run 1	0.0590 ppm	0.5022 ppm	0.2072 ppm	0.2662 ppm	0.9996 ppm	17.2672 ppm	0.0039 ppm
Concentration per Run 2	0.0576 ppm	0.4891 ppm	0.2080 ppm	0.2661 ppm	0.9849 ppm	17.0710 ppm	0.0042 ppm
Concentration per Run 3	0.0594 ppm	0.5042 ppm	0.2087 ppm	0.2678 ppm	0.9806 ppm	17.0933 ppm	0.0013 ppm
Concentration RSD	1.6 %	1.7 %	0.3 %	0.4 %	1.0 %	0.6 %	51.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	21.1883 ppm	0.5085 ppm	1.1016 ppm	1,927.2186 [SIC 500]	0.4941 ppm	0.5422 ppm	0.5713 ppm
Concentration per Run 1	21.0770 ppm	0.5157 ppm	1.1102 ppm	1,967.6541 ppm	0.4981 ppm	0.5458 ppm	0.5749 ppm
Concentration per Run 2	21.2474 ppm	0.5059 ppm	1.0795 ppm	1,918.2860 ppm	0.4853 ppm	0.5325 ppm	0.5605 ppm
Concentration per Run 3	21.2404 ppm	0.5040 ppm	1.1150 ppm	1,895.7157 ppm	0.4987 ppm	0.5484 ppm	0.5784 ppm
Concentration RSD	0.5 %	1.2 %	1.7 %	1.9 %	1.5 %	1.6 %	1.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1410 ppm	1.7747 ppm	1.0721 [SIC 20]	1.1104 ppm	1.0801 ppm	0.1055 ppm	0.5390 ppm
Concentration per Run 1	0.1411 ppm	1.7875 ppm	1.0789 ppm	1.1224 ppm	1.0758 ppm	0.1072 ppm	0.5374 ppm
Concentration per Run 2	0.1400 ppm	1.7367 ppm	1.0542 ppm	1.1061 ppm	1.0819 ppm	0.1036 ppm	0.5388 ppm
Concentration per Run 3	0.1419 ppm	1.7999 ppm	1.0831 ppm	1.1027 ppm	1.0825 ppm	0.1057 ppm	0.5408 ppm
Concentration RSD	0.7 %	1.9 %	1.5 %	0.9 %	0.3 %	1.7 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5913 ppm	95.0817 %	83.0318 %	85.6476 %	96.5136 %	76.1251 %	84.7528 %
Concentration per Run 1	0.5947 ppm	94.8212 %	83.3885 %	85.2388 %	95.4784 %	75.5584 %	84.9806 %
Concentration per Run 2	0.5797 ppm	94.9599 %	82.9724 %	86.9129 %	96.5935 %	77.5139 %	84.6954 %
Concentration per Run 3	0.5995 ppm	95.4640 %	82.7346 %	84.7909 %	97.4690 %	75.3029 %	84.5825 %
Concentration RSD	1.7 %	0.4 %	0.4 %	1.3 %	1.0 %	1.6 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: eWG2118724-4 WG2118724
 Analysis started at: 9/29/2025 21:48:45
 Comments: <Comment>
 Rack: 1
 Vial: 28

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.8784 ppm	0.0038 ppm	0.0459 ppm	0.0135 ppm	-0.0002 ppm	19.5112 ppm
Concentration per Run 1	-0.0001 ppm	0.8803 ppm	0.0017 ppm	0.0455 ppm	0.0135 ppm	-0.0001 ppm	19.6291 ppm
Concentration per Run 2	0.0003 ppm	0.8855 ppm	0.0032 ppm	0.0464 ppm	0.0135 ppm	-0.0002 ppm	19.4448 ppm
Concentration per Run 3	0.0002 ppm	0.8694 ppm	0.0067 ppm	0.0459 ppm	0.0134 ppm	-0.0002 ppm	19.4598 ppm
Concentration RSD	140.6 %	0.9 %	67.3 %	1.0 %	0.3 %	15.8 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0009 ppm	0.0060 ppm	-0.0389 ppm	5.3291 ppm	0.0034 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0015 ppm	0.0060 ppm	-0.0418 ppm	5.2454 ppm	0.0044 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0008 ppm	0.0058 ppm	-0.0368 ppm	5.3311 ppm	0.0021 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0061 ppm	-0.0380 ppm	5.4107 ppm	0.0038 ppm
Concentration RSD	61.9 %	39.3 %	57.8 %	2.8 %	6.8 %	1.6 %	34.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	11.4049 ppm	0.0023 ppm	0.0022 ppm	1,967.8786 [SIC 500]	-0.0017 ppm	0.0021 ppm	0.0011 ppm
Concentration per Run 1	11.3933 ppm	0.0021 ppm	0.0022 ppm	2,031.3972 ppm	-0.0017 ppm	0.0014 ppm	0.0013 ppm
Concentration per Run 2	11.4074 ppm	0.0024 ppm	0.0020 ppm	1,952.5565 ppm	-0.0018 ppm	0.0022 ppm	0.0009 ppm
Concentration per Run 3	11.4141 ppm	0.0023 ppm	0.0025 ppm	1,919.6821 ppm	-0.0016 ppm	0.0029 ppm	0.0013 ppm
Concentration RSD	0.1 %	7.2 %	10.2 %	2.9 %	5.8 %	34.9 %	21.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.6037 ppm	0.0001 ppm	0.0893 ppm	0.0017 ppm	-0.0018 ppm	-0.0004 ppm
Concentration per Run 1	0.0011 ppm	0.6001 ppm	0.0019 ppm	0.0898 ppm	0.0015 ppm	-0.0018 ppm	-0.0001 ppm
Concentration per Run 2	0.0017 ppm	0.6035 ppm	-0.0015 ppm	0.0888 ppm	0.0016 ppm	-0.0012 ppm	-0.0008 ppm
Concentration per Run 3	0.0010 ppm	0.6074 ppm	0.0001 ppm	0.0891 ppm	0.0019 ppm	-0.0024 ppm	-0.0004 ppm
Concentration RSD	28.7 %	0.6 %	1,130.0 %	0.6 %	12.0 %	32.9 %	85.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0184 ppm	94.0283 %	81.9045 %	84.1305 %	95.6704 %	74.4059 %	83.4620 %
Concentration per Run 1	0.0184 ppm	94.3469 %	82.1081 %	84.5336 %	95.1069 %	74.7394 %	83.6771 %
Concentration per Run 2	0.0183 ppm	93.7844 %	81.7581 %	84.1499 %	95.8495 %	74.5033 %	83.2919 %
Concentration per Run 3	0.0184 ppm	93.9535 %	81.8474 %	83.7080 %	96.0549 %	73.9749 %	83.4171 %
Concentration RSD	0.3 %	0.3 %	0.2 %	0.5 %	0.5 %	0.5 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: eWG2118724-5 WG2118724
 Analysis started at: 9/29/2025 21:53:21
 Comments: <Comment>
 Rack: 1
 Vial: 29

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0532 ppm	2.7741 ppm	0.1405 ppm	1.0347 ppm	1.8656 ppm	0.0478 ppm	28.1390 ppm
Concentration per Run 1	0.0529 ppm	2.7986 ppm	0.1406 ppm	1.0371 ppm	1.8772 ppm	0.0482 ppm	28.3719 ppm
Concentration per Run 2	0.0531 ppm	2.7683 ppm	0.1406 ppm	1.0356 ppm	1.8651 ppm	0.0477 ppm	28.0541 ppm
Concentration per Run 3	0.0535 ppm	2.7553 ppm	0.1402 ppm	1.0313 ppm	1.8546 ppm	0.0476 ppm	27.9911 ppm
Concentration RSD	0.5 %	0.8 %	0.1 %	0.3 %	0.6 %	0.7 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0557 ppm	0.4691 ppm	0.1950 ppm	0.2496 ppm	0.9178 ppm	16.1199 ppm	0.0037 ppm
Concentration per Run 1	0.0560 ppm	0.4694 ppm	0.1944 ppm	0.2494 ppm	0.9275 ppm	16.1963 ppm	0.0040 ppm
Concentration per Run 2	0.0557 ppm	0.4705 ppm	0.1957 ppm	0.2501 ppm	0.9113 ppm	16.0710 ppm	0.0045 ppm
Concentration per Run 3	0.0555 ppm	0.4673 ppm	0.1949 ppm	0.2491 ppm	0.9146 ppm	16.0924 ppm	0.0027 ppm
Concentration RSD	0.4 %	0.3 %	0.3 %	0.2 %	0.9 %	0.4 %	25.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	20.0911 ppm	0.4735 ppm	1.0231 ppm	1,868.5787 [SIC 500]	0.4661 ppm	0.5141 ppm	0.5236 ppm
Concentration per Run 1	20.1358 ppm	0.4777 ppm	1.0247 ppm	1,866.3550 ppm	0.4662 ppm	0.5138 ppm	0.5218 ppm
Concentration per Run 2	20.0827 ppm	0.4727 ppm	1.0260 ppm	1,911.8193 ppm	0.4673 ppm	0.5144 ppm	0.5245 ppm
Concentration per Run 3	20.0549 ppm	0.4699 ppm	1.0186 ppm	1,827.5618 ppm	0.4647 ppm	0.5140 ppm	0.5247 ppm
Concentration RSD	0.2 %	0.8 %	0.4 %	2.3 %	0.3 %	0.1 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1285 ppm	1.6021 ppm	1.0023 [SIC 20]	1.0289 ppm	0.9980 ppm	0.1013 ppm	0.5023 ppm
Concentration per Run 1	0.1286 ppm	1.6049 ppm	1.0024 ppm	1.0355 ppm	0.9970 ppm	0.1028 ppm	0.5029 ppm
Concentration per Run 2	0.1300 ppm	1.6059 ppm	1.0063 ppm	1.0287 ppm	0.9979 ppm	0.1000 ppm	0.5019 ppm
Concentration per Run 3	0.1269 ppm	1.5954 ppm	0.9983 ppm	1.0224 ppm	0.9990 ppm	0.1013 ppm	0.5021 ppm
Concentration RSD	1.2 %	0.4 %	0.4 %	0.6 %	0.1 %	1.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5533 ppm	95.5621 %	84.2702 %	86.4026 %	97.2723 %	76.8719 %	85.7582 %
Concentration per Run 1	0.5550 ppm	95.2462 %	84.1638 %	86.4370 %	96.4024 %	76.8527 %	85.6629 %
Concentration per Run 2	0.5539 ppm	96.2747 %	84.3820 %	86.3737 %	98.1146 %	76.6363 %	85.8459 %
Concentration per Run 3	0.5509 ppm	95.1654 %	84.2647 %	86.3973 %	97.2998 %	77.1267 %	85.7658 %
Concentration RSD	0.4 %	0.6 %	0.1 %	0.0 %	0.9 %	0.3 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2559325-01D5 WG2118724
 Analysis started at: 9/29/2025 21:57:41
 Comments: <Comment>
 Rack: 1
 Vial: 30

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.1687 ppm	0.0005 ppm	0.0095 ppm	0.0028 ppm	-0.0001 ppm	3.8947 ppm
Concentration per Run 1	0.0003 ppm	0.1722 ppm	0.0003 ppm	0.0089 ppm	0.0030 ppm	-0.0001 ppm	3.9430 ppm
Concentration per Run 2	0.0000 ppm	0.1648 ppm	0.0006 ppm	0.0094 ppm	0.0028 ppm	-0.0002 ppm	3.8690 ppm
Concentration per Run 3	0.0003 ppm	0.1691 ppm	0.0007 ppm	0.0100 ppm	0.0027 ppm	-0.0002 ppm	3.8722 ppm
Concentration RSD	87.7 %	2.2 %	46.2 %	5.8 %	5.8 %	12.0 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0016 ppm	-0.0144 ppm	1.1473 ppm	0.0010 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0016 ppm	-0.0144 ppm	1.2011 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0015 ppm	-0.0143 ppm	1.1288 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0019 ppm	-0.0144 ppm	1.1120 ppm	0.0012 ppm
Concentration RSD	84.5 %	167.5 %	57.4 %	11.7 %	0.2 %	4.1 %	13.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.3839 ppm	0.0001 ppm	0.0005 ppm	447.8507 ppm	-0.0008 ppm	0.0020 ppm	0.0023 ppm
Concentration per Run 1	2.3911 ppm	0.0004 ppm	0.0008 ppm	453.7028 ppm	-0.0007 ppm	0.0020 ppm	0.0008 ppm
Concentration per Run 2	2.3752 ppm	0.0000 ppm	0.0004 ppm	445.8660 ppm	-0.0015 ppm	0.0021 ppm	0.0047 ppm
Concentration per Run 3	2.3854 ppm	-0.0002 ppm	0.0003 ppm	443.9833 ppm	-0.0003 ppm	0.0019 ppm	0.0015 ppm
Concentration RSD	0.3 %	320.8 %	49.0 %	1.2 %	71.5 %	6.6 %	89.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	0.1228 ppm	0.0009 ppm	0.0176 ppm	0.0004 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 1	0.0004 ppm	0.1216 ppm	0.0012 ppm	0.0179 ppm	0.0006 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 2	0.0028 ppm	0.1233 ppm	-0.0002 ppm	0.0176 ppm	0.0004 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 3	0.0020 ppm	0.1233 ppm	0.0018 ppm	0.0174 ppm	0.0003 ppm	0.0000 ppm	-0.0001 ppm
Concentration RSD	71.2 %	0.8 %	114.6 %	1.2 %	35.7 %	190.8 %	202.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0033 ppm	97.2216 %	91.1206 %	90.4906 %	99.2698 %	85.1116 %	93.8151 %
Concentration per Run 1	0.0033 ppm	97.2661 %	90.9252 %	91.5063 %	98.4773 %	85.9171 %	93.6210 %
Concentration per Run 2	0.0033 ppm	97.3571 %	91.5277 %	90.2209 %	99.5764 %	84.8283 %	94.1618 %
Concentration per Run 3	0.0033 ppm	97.0414 %	90.9087 %	89.7444 %	99.7557 %	84.5894 %	93.6623 %
Concentration RSD	0.9 %	0.2 %	0.4 %	1.0 %	0.7 %	0.8 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCV
Analysis started at: 9/29/2025 22:22:53
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4807 ppm	0.4892 ppm	0.4624 ppm	0.4644 ppm	0.4921 ppm	0.5088 ppm	0.5170 ppm
Concentration per Run 1	0.4847 ppm	0.4938 ppm	0.4647 ppm	0.4645 ppm	0.4989 ppm	0.5161 ppm	0.5255 ppm
Concentration per Run 2	0.4627 ppm	0.4873 ppm	0.4608 ppm	0.4640 ppm	0.4900 ppm	0.5065 ppm	0.5124 ppm
Concentration per Run 3	0.4948 ppm	0.4864 ppm	0.4616 ppm	0.4646 ppm	0.4874 ppm	0.5036 ppm	0.5131 ppm
Recovery Percentage 1	96.145 %	97.831 %	92.473 %	92.875 %	98.418 %	101.753 %	103.402 %
Concentration RSD	3.4 %	0.8 %	0.4 %	0.1 %	1.2 %	1.3 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4911 ppm	0.4835 ppm	0.5085 ppm	0.4870 ppm	0.5162 ppm	5.2472 ppm	0.5067 ppm
Concentration per Run 1	0.4911 ppm	0.4837 ppm	0.5134 ppm	0.4907 ppm	0.5237 ppm	5.3198 ppm	0.5126 ppm
Concentration per Run 2	0.4905 ppm	0.4833 ppm	0.4877 ppm	0.4673 ppm	0.5132 ppm	5.2256 ppm	0.5050 ppm
Concentration per Run 3	0.4917 ppm	0.4834 ppm	0.5245 ppm	0.5029 ppm	0.5117 ppm	5.1964 ppm	0.5024 ppm
Recovery Percentage 1	98.220 %	96.696 %	101.708 %	97.390 %	103.240 %	104.945 %	101.335 %
Concentration RSD	0.1 %	0.0 %	3.7 %	3.7 %	1.3 %	1.2 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5167 ppm	0.5159 ppm	0.4728 ppm	10.3765 ppm	0.4810 ppm	0.4981 ppm	0.4829 ppm
Concentration per Run 1	0.5228 ppm	0.5220 ppm	0.4724 ppm	10.5340 ppm	0.4827 ppm	0.4986 ppm	0.4832 ppm
Concentration per Run 2	0.4964 ppm	0.5137 ppm	0.4724 ppm	10.3295 ppm	0.4796 ppm	0.4984 ppm	0.4817 ppm
Concentration per Run 3	0.5308 ppm	0.5121 ppm	0.4738 ppm	10.2659 ppm	0.4806 ppm	0.4974 ppm	0.4837 ppm
Recovery Percentage 1	103.334 %	103.188 %	94.565 %	103.765 %	96.197 %	99.624 %	96.571 %
Concentration RSD	3.5 %	1.0 %	0.2 %	1.4 %	0.3 %	0.1 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4761 ppm	5.2770 ppm	0.4844 ppm	0.4962 ppm	0.4979 ppm	0.4938 ppm	0.5067 ppm
Concentration per Run 1	0.4747 ppm	5.2782 ppm	0.4853 ppm	0.5032 ppm	0.5027 ppm	0.4951 ppm	0.5118 ppm
Concentration per Run 2	0.4754 ppm	5.2737 ppm	0.4837 ppm	0.4935 ppm	0.4764 ppm	0.4922 ppm	0.4850 ppm
Concentration per Run 3	0.4782 ppm	5.2792 ppm	0.4843 ppm	0.4918 ppm	0.5146 ppm	0.4941 ppm	0.5232 ppm
Recovery Percentage 1	95.221 %	100.514 %	96.887 %	99.231 %	99.582 %	98.763 %	101.332 %
Concentration RSD	0.4 %	0.1 %	0.2 %	1.2 %	3.9 %	0.3 %	3.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4997 ppm	98.6760 %	101.2794 %	100.2879 %	98.1236 %	99.7190 %	100.0679 %
Concentration per Run 1	0.4995 ppm	98.2636 %	100.4353 %	100.6162 %	96.9601 %	99.8417 %	101.4747 %
Concentration per Run 2	0.4992 ppm	99.3694 %	105.1458 %	100.3047 %	98.9481 %	99.7704 %	N/A
Concentration per Run 3	0.5004 ppm	98.3949 %	98.2570 %	99.9428 %	98.4626 %	99.5450 %	98.6611 %
Recovery Percentage 1	99.940 %						
Concentration RSD	0.1 %	0.6 %	3.5 %	0.3 %	1.1 %	0.2 %	2.0 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCB
 Analysis started at: 9/29/2025 22:27:10
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0085 ppm	-0.0007 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 1	0.0003 ppm	-0.0117 ppm	-0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0006 ppm
Concentration per Run 2	0.0001 ppm	-0.0078 ppm	0.0000 ppm	-0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0078 ppm
Concentration per Run 3	-0.0001 ppm	-0.0060 ppm	-0.0018 ppm	-0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0021 ppm
Recovery Percentage 1	2.525 %	-8.489 %	-14.166 %	-1.531 %	-0.309 %	0.699 %	1.687 %
Concentration RSD	141.2 %	34.2 %	131.6 %	68.9 %	231.3 %	88.0 %	316.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0004 ppm	0.0003 ppm	0.0916 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	-0.0001 ppm	-0.0007 ppm	-0.0004 ppm	0.1068 ppm	-0.0002 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0002 ppm	-0.0003 ppm	-0.0001 ppm	0.0951 ppm	0.0021 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0004 ppm	0.0013 ppm	0.0728 ppm	-0.0008 ppm
Recovery Percentage 1	1.039 %	-0.102 %	1.748 %	-4.400 %	0.520 %	3.663 %	3.552 %
Concentration RSD	29.8 %	1,925.4 %	129.9 %	51.8 %	339.0 %	18.9 %	420.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0018 ppm	0.0001 ppm	-0.0003 ppm	0.3755 ppm	0.0002 ppm	0.0006 ppm	0.0007 ppm
Concentration per Run 1	0.0012 ppm	0.0002 ppm	-0.0004 ppm	0.3847 ppm	-0.0001 ppm	0.0006 ppm	-0.0010 ppm
Concentration per Run 2	0.0034 ppm	0.0001 ppm	-0.0003 ppm	0.3726 ppm	0.0006 ppm	-0.0005 ppm	0.0013 ppm
Concentration per Run 3	0.0009 ppm	-0.0001 ppm	-0.0003 ppm	0.3691 ppm	0.0002 ppm	0.0017 ppm	0.0017 ppm
Recovery Percentage 1	1.816 %	1.119 %	-0.635 %	18.773 %	0.913 %	5.996 %	1.331 %
Concentration RSD	75.3 %	134.0 %	16.6 %	2.2 %	145.5 %	183.8 %	213.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	0.0001 ppm	-0.0003 ppm	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0016 ppm	-0.0002 ppm	-0.0008 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 2	0.0023 ppm	0.0009 ppm	0.0008 ppm	0.0000 ppm	-0.0005 ppm	-0.0010 ppm	-0.0001 ppm
Concentration per Run 3	-0.0005 ppm	-0.0002 ppm	-0.0009 ppm	-0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0002 ppm
Recovery Percentage 1	10.984 %	0.028 %	-0.629 %	-0.435 %	-3.089 %	-0.726 %	0.470 %
Concentration RSD	132.9 %	464.2 %	296.2 %	97.9 %	54.7 %	536.2 %	355.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	99.8619 %	101.4377 %	101.4795 %	98.2581 %	102.9081 %	101.3244 %
Concentration per Run 1	0.0000 ppm	99.7257 %	101.7633 %	102.8227 %	96.8472 %	104.2438 %	101.5755 %
Concentration per Run 2	0.0000 ppm	100.2892 %	101.4913 %	101.1381 %	99.3164 %	102.4040 %	101.3972 %
Concentration per Run 3	0.0003 ppm	99.5708 %	101.0586 %	100.4778 %	98.6106 %	102.0766 %	101.0006 %
Recovery Percentage 1	1.472 %						
Concentration RSD	240.7 %	0.4 %	0.4 %	1.2 %	1.3 %	1.1 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2116957-2 WG2116957
 Analysis started at: 9/29/2025 22:58:07
 Comments: <Comment>
 Rack: 1
 Vial: 33

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0504 ppm	2.0464 ppm	0.1155 ppm	0.9809 ppm	2.0035 ppm	0.0510 ppm	10.4173 ppm
Concentration per Run 1	0.0502 ppm	2.0897 ppm	0.1160 ppm	0.9799 ppm	2.0299 ppm	0.0519 ppm	10.6279 ppm
Concentration per Run 2	0.0508 ppm	2.0281 ppm	0.1162 ppm	0.9799 ppm	1.9917 ppm	0.0504 ppm	10.3041 ppm
Concentration per Run 3	0.0501 ppm	2.0213 ppm	0.1143 ppm	0.9827 ppm	1.9888 ppm	0.0507 ppm	10.3200 ppm
Concentration RSD	0.8 %	1.8 %	0.9 %	0.2 %	1.1 %	1.5 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0515 ppm	0.4771 ppm	0.2021 ppm	0.2492 ppm	1.0218 ppm	10.9334 ppm	-0.0004 ppm
Concentration per Run 1	0.0515 ppm	0.4766 ppm	0.2011 ppm	0.2497 ppm	1.0363 ppm	11.0922 ppm	-0.0009 ppm
Concentration per Run 2	0.0516 ppm	0.4764 ppm	0.2029 ppm	0.2492 ppm	1.0143 ppm	10.8399 ppm	-0.0001 ppm
Concentration per Run 3	0.0515 ppm	0.4783 ppm	0.2023 ppm	0.2486 ppm	1.0148 ppm	10.8680 ppm	-0.0003 ppm
Concentration RSD	0.1 %	0.2 %	0.5 %	0.2 %	1.2 %	1.3 %	84.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.6977 ppm	0.5098 ppm	0.9805 ppm	10.6015 ppm	0.4825 ppm	0.5137 ppm	0.4867 ppm
Concentration per Run 1	10.6873 ppm	0.5175 ppm	0.9785 ppm	10.7362 ppm	0.4823 ppm	0.5131 ppm	0.4851 ppm
Concentration per Run 2	10.7266 ppm	0.5059 ppm	0.9810 ppm	10.5435 ppm	0.4827 ppm	0.5137 ppm	0.4876 ppm
Concentration per Run 3	10.6792 ppm	0.5058 ppm	0.9819 ppm	10.5247 ppm	0.4825 ppm	0.5142 ppm	0.4876 ppm
Concentration RSD	0.2 %	1.3 %	0.2 %	1.1 %	0.0 %	0.1 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1154 ppm	0.7693 ppm	0.9896 ppm	1.0214 ppm	1.0333 ppm	0.1157 ppm	0.5154 ppm
Concentration per Run 1	0.1143 ppm	0.7675 ppm	0.9884 ppm	1.0351 ppm	1.0349 ppm	0.1157 ppm	0.5148 ppm
Concentration per Run 2	0.1135 ppm	0.7706 ppm	0.9892 ppm	1.0152 ppm	1.0347 ppm	0.1157 ppm	0.5166 ppm
Concentration per Run 3	0.1185 ppm	0.7700 ppm	0.9913 ppm	1.0137 ppm	1.0303 ppm	0.1156 ppm	0.5149 ppm
Concentration RSD	2.4 %	0.2 %	0.2 %	1.2 %	0.3 %	0.0 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4891 ppm	100.9417 %	99.5612 %	97.8470 %	102.1155 %	96.8436 %	101.3250 %
Concentration per Run 1	0.4890 ppm	99.9620 %	99.9099 %	98.3122 %	100.3331 %	97.2909 %	101.5777 %
Concentration per Run 2	0.4888 ppm	101.8090 %	99.3176 %	97.6447 %	103.4092 %	96.8083 %	101.0894 %
Concentration per Run 3	0.4895 ppm	101.0541 %	99.4562 %	97.5840 %	102.6042 %	96.4316 %	101.3081 %
Concentration RSD	0.1 %	0.9 %	0.3 %	0.4 %	1.6 %	0.4 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2558201-01 WG2116957
 Analysis started at: 9/29/2025 23:02:19
 Comments: <Comment>
 Rack: 1
 Vial: 34

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0230 ppm	0.0014 ppm	0.0040 ppm	0.0159 ppm	-0.0001 ppm	2.3070 ppm
Concentration per Run 1	0.0002 ppm	0.0293 ppm	0.0024 ppm	0.0041 ppm	0.0162 ppm	-0.0002 ppm	2.3498 ppm
Concentration per Run 2	0.0005 ppm	0.0285 ppm	-0.0004 ppm	0.0040 ppm	0.0158 ppm	-0.0001 ppm	2.2906 ppm
Concentration per Run 3	0.0002 ppm	0.0113 ppm	0.0022 ppm	0.0038 ppm	0.0157 ppm	-0.0001 ppm	2.2806 ppm
Concentration RSD	59.4 %	44.2 %	110.7 %	4.7 %	1.7 %	28.8 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0276 ppm	0.0088 ppm	0.5420 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0275 ppm	0.0095 ppm	0.5151 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0275 ppm	0.0075 ppm	0.5537 ppm	-0.0005 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0277 ppm	0.0095 ppm	0.5571 ppm	0.0012 ppm
Concentration RSD	126.4 %	250.0 %	131.7 %	0.3 %	13.0 %	4.3 %	306.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.7971 ppm	0.2530 ppm	0.0002 ppm	0.6300 ppm	0.0014 ppm	0.0066 ppm	0.0009 ppm
Concentration per Run 1	0.8079 ppm	0.2576 ppm	0.0003 ppm	0.6391 ppm	0.0016 ppm	0.0062 ppm	0.0016 ppm
Concentration per Run 2	0.7783 ppm	0.2519 ppm	0.0002 ppm	0.6368 ppm	0.0009 ppm	0.0065 ppm	-0.0012 ppm
Concentration per Run 3	0.8052 ppm	0.2496 ppm	0.0001 ppm	0.6141 ppm	0.0016 ppm	0.0070 ppm	0.0023 ppm
Concentration RSD	2.1 %	1.6 %	57.1 %	2.2 %	30.1 %	5.7 %	211.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0001 ppm	0.6902 ppm	0.0005 ppm	0.0167 ppm	0.0001 ppm	-0.0015 ppm	0.0003 ppm
Concentration per Run 1	0.0011 ppm	0.6890 ppm	-0.0003 ppm	0.0171 ppm	0.0003 ppm	-0.0007 ppm	0.0003 ppm
Concentration per Run 2	-0.0011 ppm	0.6912 ppm	0.0014 ppm	0.0165 ppm	-0.0002 ppm	-0.0013 ppm	0.0006 ppm
Concentration per Run 3	0.0003 ppm	0.6904 ppm	0.0002 ppm	0.0164 ppm	0.0001 ppm	-0.0025 ppm	0.0000 ppm
Concentration RSD	821.9 %	0.2 %	186.2 %	2.1 %	443.5 %	59.0 %	90.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0394 ppm	102.9798 %	102.0946 %	99.9181 %	102.1383 %	100.7327 %	102.9760 %
Concentration per Run 1	0.0391 ppm	102.3336 %	101.7818 %	100.2914 %	100.1986 %	100.7575 %	102.3863 %
Concentration per Run 2	0.0395 ppm	103.0901 %	103.6305 %	99.9187 %	102.6763 %	100.8890 %	105.1049 %
Concentration per Run 3	0.0396 ppm	103.5156 %	100.8715 %	99.5442 %	103.5399 %	100.5518 %	101.4367 %
Concentration RSD	0.6 %	0.6 %	1.4 %	0.4 %	1.7 %	0.2 %	1.8 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2558577-07 WG2116957
 Analysis started at: 9/29/2025 23:06:48
 Comments: <Comment>
 Rack: 1
 Vial: 35

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0181 ppm	0.0003 ppm	0.0030 ppm	0.0042 ppm	-0.0001 ppm	3.7407 ppm
Concentration per Run 1	-0.0003 ppm	0.0188 ppm	-0.0008 ppm	0.0030 ppm	0.0044 ppm	-0.0001 ppm	3.8162 ppm
Concentration per Run 2	0.0005 ppm	0.0188 ppm	0.0019 ppm	0.0032 ppm	0.0041 ppm	-0.0001 ppm	3.7039 ppm
Concentration per Run 3	0.0001 ppm	0.0167 ppm	-0.0003 ppm	0.0029 ppm	0.0041 ppm	-0.0001 ppm	3.7020 ppm
Concentration RSD	657.1 %	6.7 %	536.2 %	4.2 %	4.4 %	19.6 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0030 ppm	0.1426 ppm	0.5727 ppm	0.0008 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0030 ppm	0.1453 ppm	0.5532 ppm	0.0016 ppm
Concentration per Run 2	-0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0030 ppm	0.1414 ppm	0.5872 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0006 ppm	0.0030 ppm	0.1413 ppm	0.5776 ppm	0.0009 ppm
Concentration RSD	49.7 %	127.9 %	72.2 %	0.2 %	1.6 %	3.1 %	122.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.6581 ppm	0.0582 ppm	-0.0004 ppm	13.6608 ppm	-0.0001 ppm	0.0019 ppm	0.0011 ppm
Concentration per Run 1	0.6575 ppm	0.0595 ppm	-0.0002 ppm	13.8979 ppm	-0.0010 ppm	0.0020 ppm	0.0014 ppm
Concentration per Run 2	0.6546 ppm	0.0575 ppm	-0.0005 ppm	13.5572 ppm	0.0001 ppm	0.0020 ppm	-0.0002 ppm
Concentration per Run 3	0.6624 ppm	0.0577 ppm	-0.0003 ppm	13.5273 ppm	0.0005 ppm	0.0017 ppm	0.0021 ppm
Concentration RSD	0.6 %	1.9 %	35.7 %	1.5 %	546.3 %	8.2 %	106.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0027 ppm	3.4390 ppm	-0.0006 ppm	0.0197 ppm	0.0000 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 1	0.0016 ppm	3.4215 ppm	-0.0006 ppm	0.0201 ppm	-0.0002 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run 2	0.0021 ppm	3.4640 ppm	-0.0006 ppm	0.0196 ppm	0.0001 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 3	0.0045 ppm	3.4316 ppm	-0.0007 ppm	0.0195 ppm	0.0001 ppm	-0.0005 ppm	0.0002 ppm
Concentration RSD	56.8 %	0.6 %	14.8 %	1.6 %	11,090.0 %	16.4 %	304.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0033 ppm	102.9303 %	100.9940 %	98.8801 %	103.1373 %	99.4044 %	102.4009 %
Concentration per Run 1	0.0033 ppm	102.3467 %	101.1322 %	99.6114 %	101.1320 %	99.7926 %	102.3998 %
Concentration per Run 2	0.0035 ppm	103.0078 %	100.9750 %	98.0499 %	103.6891 %	98.5263 %	102.3825 %
Concentration per Run 3	0.0032 ppm	103.4366 %	100.8747 %	98.9790 %	104.5907 %	99.8944 %	102.4203 %
Concentration RSD	4.5 %	0.5 %	0.1 %	0.8 %	1.7 %	0.8 %	0.0 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2558633-01 WG2116957
 Analysis started at: 9/29/2025 23:11:19
 Comments: <Comment>
 Rack: 1
 Vial: 36

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0299 ppm	0.0003 ppm	0.0245 ppm	0.1149 ppm	-0.0002 ppm	33.9873 ppm
Concentration per Run 1	0.0001 ppm	0.0336 ppm	0.0000 ppm	0.0249 ppm	0.1167 ppm	-0.0002 ppm	34.5100 ppm
Concentration per Run 2	0.0001 ppm	0.0343 ppm	0.0009 ppm	0.0239 ppm	0.1141 ppm	-0.0001 ppm	33.8109 ppm
Concentration per Run 3	-0.0001 ppm	0.0219 ppm	0.0000 ppm	0.0248 ppm	0.1139 ppm	-0.0002 ppm	33.6410 ppm
Concentration RSD	525.6 %	23.2 %	177.0 %	2.2 %	1.3 %	17.6 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0477 ppm	0.0018 ppm	0.1300 ppm	5.0380 ppm	0.0064 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	0.0480 ppm	0.0020 ppm	0.1330 ppm	5.1142 ppm	0.0065 ppm
Concentration per Run 2	-0.0001 ppm	-0.0005 ppm	0.0479 ppm	0.0018 ppm	0.1283 ppm	5.0112 ppm	0.0052 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0474 ppm	0.0017 ppm	0.1288 ppm	4.9888 ppm	0.0074 ppm
Concentration RSD	47.0 %	77.0 %	0.7 %	6.9 %	2.0 %	1.3 %	17.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	11.7414 ppm	0.0256 ppm	0.0058 ppm	19.9249 ppm	0.0000 ppm	0.0037 ppm	0.0005 ppm
Concentration per Run 1	11.6990 ppm	0.0259 ppm	0.0057 ppm	20.1985 ppm	0.0003 ppm	0.0026 ppm	-0.0007 ppm
Concentration per Run 2	11.7306 ppm	0.0253 ppm	0.0060 ppm	19.8013 ppm	-0.0003 ppm	0.0041 ppm	0.0004 ppm
Concentration per Run 3	11.7946 ppm	0.0256 ppm	0.0056 ppm	19.7750 ppm	0.0000 ppm	0.0043 ppm	0.0018 ppm
Concentration RSD	0.4 %	1.3 %	3.4 %	1.2 %	1,680.3 %	24.7 %	263.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0012 ppm	8.4980 ppm	0.0057 ppm	0.2906 ppm	0.0028 ppm	-0.0009 ppm	0.0023 ppm
Concentration per Run 1	0.0035 ppm	8.4946 ppm	0.0057 ppm	0.2948 ppm	0.0028 ppm	-0.0011 ppm	0.0022 ppm
Concentration per Run 2	0.0003 ppm	8.4671 ppm	0.0056 ppm	0.2887 ppm	0.0025 ppm	-0.0025 ppm	0.0024 ppm
Concentration per Run 3	-0.0004 ppm	8.5323 ppm	0.0058 ppm	0.2884 ppm	0.0032 ppm	0.0008 ppm	0.0023 ppm
Concentration RSD	178.6 %	0.4 %	1.3 %	1.2 %	12.3 %	177.6 %	3.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0109 ppm	101.9690 %	98.5028 %	97.0154 %	102.0885 %	95.8912 %	99.8771 %
Concentration per Run 1	0.0110 ppm	102.1292 %	98.9434 %	97.1599 %	100.9118 %	95.8270 %	100.1747 %
Concentration per Run 2	0.0110 ppm	101.8427 %	98.4251 %	97.1434 %	102.4733 %	96.2014 %	99.7460 %
Concentration per Run 3	0.0108 ppm	101.9351 %	98.1399 %	96.7429 %	102.8804 %	95.6452 %	99.7106 %
Concentration RSD	0.9 %	0.1 %	0.4 %	0.2 %	1.0 %	0.3 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2558866-02 WG2116957
 Analysis started at: 9/29/2025 23:15:49
 Comments: <Comment>
 Rack: 1
 Vial: 37

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0155 ppm	0.0019 ppm	0.0113 ppm	0.0126 ppm	-0.0001 ppm	11.5389 ppm
Concentration per Run 1	0.0004 ppm	0.0182 ppm	0.0004 ppm	0.0108 ppm	0.0130 ppm	-0.0002 ppm	11.7975 ppm
Concentration per Run 2	-0.0001 ppm	0.0196 ppm	0.0036 ppm	0.0116 ppm	0.0125 ppm	-0.0001 ppm	11.4531 ppm
Concentration per Run 3	0.0003 ppm	0.0088 ppm	0.0018 ppm	0.0117 ppm	0.0124 ppm	-0.0001 ppm	11.3663 ppm
Concentration RSD	126.6 %	38.0 %	82.7 %	4.3 %	2.5 %	30.2 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm	0.7610 ppm	3.2129 ppm	-0.0002 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.7806 ppm	3.3014 ppm	-0.0011 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0006 ppm	0.0003 ppm	0.7557 ppm	3.1868 ppm	0.0013 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.7466 ppm	3.1504 ppm	-0.0007 ppm
Concentration RSD	40.5 %	100.1 %	95.7 %	144.3 %	2.3 %	2.5 %	796.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.6564 ppm	0.2179 ppm	-0.0005 ppm	11.2192 ppm	0.0003 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run 1	2.6514 ppm	0.2225 ppm	-0.0004 ppm	11.4685 ppm	0.0005 ppm	0.0015 ppm	0.0003 ppm
Concentration per Run 2	2.6554 ppm	0.2174 ppm	-0.0005 ppm	11.1330 ppm	0.0001 ppm	0.0010 ppm	-0.0019 ppm
Concentration per Run 3	2.6625 ppm	0.2138 ppm	-0.0006 ppm	11.0560 ppm	0.0004 ppm	0.0005 ppm	0.0014 ppm
Concentration RSD	0.2 %	2.0 %	18.9 %	2.0 %	69.7 %	50.3 %	1,877.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	2.2402 ppm	-0.0009 ppm	0.0741 ppm	0.0004 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run 1	0.0027 ppm	2.2360 ppm	-0.0003 ppm	0.0757 ppm	0.0004 ppm	-0.0015 ppm	0.0003 ppm
Concentration per Run 2	0.0008 ppm	2.2453 ppm	-0.0006 ppm	0.0735 ppm	0.0005 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 3	-0.0008 ppm	2.2392 ppm	-0.0018 ppm	0.0730 ppm	0.0003 ppm	-0.0009 ppm	0.0003 ppm
Concentration RSD	188.4 %	0.2 %	82.3 %	1.9 %	26.2 %	74.9 %	87.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	102.3625 %	100.2997 %	98.1847 %	102.6676 %	98.6161 %	101.8533 %
Concentration per Run 1	-0.0001 ppm	100.9980 %	100.6879 %	98.6100 %	100.1514 %	98.8938 %	101.9779 %
Concentration per Run 2	0.0000 ppm	103.2418 %	99.9821 %	98.2206 %	103.8597 %	98.3714 %	101.5017 %
Concentration per Run 3	0.0004 ppm	102.8477 %	100.2291 %	97.7235 %	103.9918 %	98.5830 %	102.0802 %
Concentration RSD	219.4 %	1.2 %	0.4 %	0.5 %	2.1 %	0.3 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2558866-03 WG2116957
 Analysis started at: 9/29/2025 23:20:17
 Comments: <Comment>
 Rack: 1
 Vial: 38

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0102 ppm	0.0017 ppm	0.0109 ppm	0.0118 ppm	-0.0001 ppm	11.4765 ppm
Concentration per Run 1	0.0004 ppm	0.0089 ppm	0.0014 ppm	0.0109 ppm	0.0121 ppm	-0.0001 ppm	11.7414 ppm
Concentration per Run 2	0.0000 ppm	0.0067 ppm	0.0010 ppm	0.0111 ppm	0.0118 ppm	-0.0001 ppm	11.3947 ppm
Concentration per Run 3	0.0002 ppm	0.0148 ppm	0.0028 ppm	0.0108 ppm	0.0115 ppm	-0.0001 ppm	11.2934 ppm
Concentration RSD	100.2 %	41.3 %	54.3 %	1.5 %	2.4 %	9.2 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0003 ppm	0.3556 ppm	3.1975 ppm	-0.0001 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0004 ppm	0.3599 ppm	3.2621 ppm	0.0001 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm	0.3536 ppm	3.1735 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0006 ppm	0.0003 ppm	0.3534 ppm	3.1570 ppm	-0.0011 ppm
Concentration RSD	30.5 %	107.8 %	31.5 %	21.5 %	1.0 %	1.8 %	819.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.6370 ppm	0.1867 ppm	-0.0004 ppm	11.0771 ppm	0.0003 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run 1	2.6350 ppm	0.1905 ppm	-0.0004 ppm	11.3199 ppm	0.0008 ppm	0.0021 ppm	0.0004 ppm
Concentration per Run 2	2.6309 ppm	0.1857 ppm	-0.0004 ppm	10.9749 ppm	0.0003 ppm	0.0015 ppm	-0.0002 ppm
Concentration per Run 3	2.6452 ppm	0.1839 ppm	-0.0004 ppm	10.9365 ppm	0.0000 ppm	0.0006 ppm	0.0007 ppm
Concentration RSD	0.3 %	1.8 %	10.6 %	1.9 %	114.0 %	55.0 %	156.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	2.2084 ppm	-0.0006 ppm	0.0738 ppm	0.0000 ppm	-0.0006 ppm	0.0003 ppm
Concentration per Run 1	0.0010 ppm	2.2166 ppm	0.0001 ppm	0.0753 ppm	-0.0002 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 2	0.0011 ppm	2.2021 ppm	-0.0009 ppm	0.0734 ppm	-0.0001 ppm	-0.0014 ppm	0.0004 ppm
Concentration per Run 3	0.0009 ppm	2.2065 ppm	-0.0011 ppm	0.0728 ppm	0.0002 ppm	-0.0003 ppm	0.0004 ppm
Concentration RSD	11.3 %	0.3 %	93.8 %	1.8 %	613.5 %	112.0 %	54.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	103.7934 %	100.8221 %	98.9207 %	103.5699 %	98.8889 %	102.1603 %
Concentration per Run 1	0.0003 ppm	103.0482 %	101.1950 %	98.9840 %	101.3463 %	98.9548 %	102.4069 %
Concentration per Run 2	0.0006 ppm	104.3572 %	100.8893 %	98.7794 %	104.4880 %	99.0148 %	102.1957 %
Concentration per Run 3	0.0004 ppm	103.9748 %	100.3821 %	98.9987 %	104.8753 %	98.6971 %	101.8783 %
Concentration RSD	27.8 %	0.6 %	0.4 %	0.1 %	1.9 %	0.2 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2559073-01 WG2116957
 Analysis started at: 9/29/2025 23:24:44
 Comments: <Comment>
 Rack: 1
 Vial: 39

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0007 ppm	1.6894 ppm	0.0092 ppm	1.1602 ppm	0.0082 ppm	-0.0001 ppm	4.7974 ppm
Concentration per Run 1	0.0009 ppm	1.7330 ppm	0.0098 ppm	1.1590 ppm	0.0085 ppm	-0.0001 ppm	4.9202 ppm
Concentration per Run 2	0.0007 ppm	1.6746 ppm	0.0097 ppm	1.1585 ppm	0.0082 ppm	-0.0001 ppm	4.7413 ppm
Concentration per Run 3	0.0005 ppm	1.6605 ppm	0.0082 ppm	1.1629 ppm	0.0081 ppm	-0.0001 ppm	4.7307 ppm
Concentration RSD	29.5 %	2.3 %	9.7 %	0.2 %	2.5 %	12.1 %	2.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0053 ppm	0.0328 ppm	0.0091 ppm	0.2571 ppm	0.8686 ppm	18.6580 ppm	0.1906 ppm
Concentration per Run 1	0.0053 ppm	0.0329 ppm	0.0094 ppm	0.2560 ppm	0.8923 ppm	19.1469 ppm	0.1949 ppm
Concentration per Run 2	0.0053 ppm	0.0327 ppm	0.0088 ppm	0.2577 ppm	0.8601 ppm	18.5254 ppm	0.1887 ppm
Concentration per Run 3	0.0053 ppm	0.0327 ppm	0.0092 ppm	0.2575 ppm	0.8535 ppm	18.3016 ppm	0.1882 ppm
Concentration RSD	0.4 %	0.3 %	3.3 %	0.4 %	2.4 %	2.3 %	1.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3862 ppm	0.0462 ppm	0.1029 ppm	267.0399 ppm	0.0272 ppm	0.1625 ppm	0.0511 ppm
Concentration per Run 1	0.3856 ppm	0.0471 ppm	0.1028 ppm	274.8357 ppm	0.0275 ppm	0.1624 ppm	0.0504 ppm
Concentration per Run 2	0.3861 ppm	0.0458 ppm	0.1029 ppm	262.1073 ppm	0.0272 ppm	0.1616 ppm	0.0506 ppm
Concentration per Run 3	0.3868 ppm	0.0456 ppm	0.1029 ppm	264.1766 ppm	0.0269 ppm	0.1634 ppm	0.0522 ppm
Concentration RSD	0.2 %	1.7 %	0.1 %	2.6 %	1.2 %	0.6 %	2.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0025 ppm	7.7095 ppm	0.0105 ppm	0.0213 ppm	0.0034 ppm	-0.0051 ppm	0.0162 ppm
Concentration per Run 1	0.0022 ppm	7.6985 ppm	0.0109 ppm	0.0219 ppm	0.0034 ppm	-0.0049 ppm	0.0164 ppm
Concentration per Run 2	0.0039 ppm	7.6997 ppm	0.0110 ppm	0.0211 ppm	0.0033 ppm	-0.0042 ppm	0.0161 ppm
Concentration per Run 3	0.0013 ppm	7.7302 ppm	0.0096 ppm	0.0209 ppm	0.0034 ppm	-0.0061 ppm	0.0159 ppm
Concentration RSD	53.8 %	0.2 %	7.1 %	2.3 %	2.2 %	18.2 %	1.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4797 ppm	101.6223 %	94.7092 %	93.5400 %	102.5118 %	87.2520 %	96.2560 %
Concentration per Run 1	0.4784 ppm	99.6401 %	94.8293 %	93.7924 %	100.0570 %	87.5645 %	96.2279 %
Concentration per Run 2	0.4814 ppm	102.9079 %	94.6579 %	93.4705 %	103.4892 %	87.1965 %	96.2643 %
Concentration per Run 3	0.4794 ppm	102.3188 %	94.6406 %	93.3571 %	103.9891 %	86.9949 %	96.2758 %
Concentration RSD	0.3 %	1.7 %	0.1 %	0.2 %	2.1 %	0.3 %	0.0 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCV
Analysis started at: 9/29/2025 23:29:16
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4876 ppm	0.4848 ppm	0.4697 ppm	0.4790 ppm	0.4886 ppm	0.5024 ppm	0.4948 ppm
Concentration per Run 1	0.4886 ppm	0.4899 ppm	0.4688 ppm	0.4784 ppm	0.4961 ppm	0.5106 ppm	0.5058 ppm
Concentration per Run 2	0.4877 ppm	0.4812 ppm	0.4718 ppm	0.4798 ppm	0.4856 ppm	0.4988 ppm	0.4897 ppm
Concentration per Run 3	0.4865 ppm	0.4832 ppm	0.4685 ppm	0.4789 ppm	0.4841 ppm	0.4979 ppm	0.4890 ppm
Recovery Percentage 1	97.518 %	96.955 %	93.945 %	95.805 %	97.718 %	100.484 %	98.959 %
Concentration RSD	0.2 %	0.9 %	0.4 %	0.2 %	1.3 %	1.4 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4807 ppm	0.4835 ppm	0.5033 ppm	0.5024 ppm	0.5063 ppm	5.1654 ppm	0.5102 ppm
Concentration per Run 1	0.4800 ppm	0.4831 ppm	0.5041 ppm	0.5030 ppm	0.5113 ppm	5.2253 ppm	0.5176 ppm
Concentration per Run 2	0.4808 ppm	0.4834 ppm	0.5022 ppm	0.5031 ppm	0.5041 ppm	5.1435 ppm	0.5071 ppm
Concentration per Run 3	0.4812 ppm	0.4840 ppm	0.5037 ppm	0.5011 ppm	0.5033 ppm	5.1275 ppm	0.5059 ppm
Recovery Percentage 1	96.136 %	96.698 %	100.661 %	100.486 %	101.250 %	103.308 %	102.040 %
Concentration RSD	0.1 %	0.1 %	0.2 %	0.2 %	0.9 %	1.0 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5155 ppm	0.5038 ppm	0.4758 ppm	10.0392 ppm	0.4814 ppm	0.4959 ppm	0.4952 ppm
Concentration per Run 1	0.5174 ppm	0.5118 ppm	0.4759 ppm	10.1748 ppm	0.4811 ppm	0.4952 ppm	0.4951 ppm
Concentration per Run 2	0.5134 ppm	0.5008 ppm	0.4759 ppm	9.9732 ppm	0.4814 ppm	0.4961 ppm	0.4955 ppm
Concentration per Run 3	0.5157 ppm	0.4989 ppm	0.4757 ppm	9.9696 ppm	0.4816 ppm	0.4965 ppm	0.4951 ppm
Recovery Percentage 1	103.101 %	100.767 %	95.165 %	100.392 %	96.273 %	99.190 %	99.041 %
Concentration RSD	0.4 %	1.4 %	0.0 %	1.2 %	0.0 %	0.1 %	0.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4897 ppm	5.4236 ppm	0.4821 ppm	0.4942 ppm	0.5017 ppm	0.4964 ppm	0.5092 ppm
Concentration per Run 1	0.4891 ppm	5.4192 ppm	0.4815 ppm	0.5019 ppm	0.5031 ppm	0.4992 ppm	0.5107 ppm
Concentration per Run 2	0.4935 ppm	5.4324 ppm	0.4826 ppm	0.4910 ppm	0.5013 ppm	0.4954 ppm	0.5083 ppm
Concentration per Run 3	0.4866 ppm	5.4192 ppm	0.4822 ppm	0.4897 ppm	0.5007 ppm	0.4944 ppm	0.5087 ppm
Recovery Percentage 1	97.944 %	103.307 %	96.420 %	98.841 %	100.341 %	99.272 %	101.844 %
Concentration RSD	0.7 %	0.1 %	0.1 %	1.4 %	0.2 %	0.5 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4859 ppm	103.0287 %	100.5389 %	98.4471 %	103.7803 %	97.8074 %	102.1405 %
Concentration per Run 1	0.4845 ppm	101.8731 %	100.2404 %	98.5551 %	101.9124 %	97.8564 %	101.8499 %
Concentration per Run 2	0.4851 ppm	103.9055 %	100.7342 %	98.4846 %	104.8126 %	97.8460 %	102.3366 %
Concentration per Run 3	0.4881 ppm	103.3076 %	100.6422 %	98.3016 %	104.6159 %	97.7198 %	102.2351 %
Recovery Percentage 1	97.182 %						
Concentration RSD	0.4 %	1.0 %	0.3 %	0.1 %	1.6 %	0.1 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCB
Analysis started at: 9/29/2025 23:33:32
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0070 ppm	0.0013 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	-0.0059 ppm
Concentration per Run 1	0.0001 ppm	-0.0067 ppm	0.0017 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	-0.0072 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0031 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	-0.0091 ppm
Concentration per Run 3	0.0001 ppm	-0.0142 ppm	-0.0009 ppm	0.0006 ppm	0.0001 ppm	0.0001 ppm	-0.0014 ppm
Recovery Percentage 1	2.226 %	-6.963 %	26.198 %	1.393 %	0.442 %	0.481 %	-5.868 %
Concentration RSD	20.3 %	102.0 %	155.4 %	57.5 %	63.8 %	138.4 %	68.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0011 ppm	0.0562 ppm	-0.0003 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0020 ppm	0.0591 ppm	-0.0008 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm	-0.0003 ppm	0.0553 ppm	-0.0004 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0016 ppm	0.0541 ppm	0.0002 ppm
Recovery Percentage 1	0.640 %	0.532 %	2.890 %	0.410 %	2.221 %	2.247 %	-3.087 %
Concentration RSD	51.9 %	57.1 %	21.6 %	607.2 %	110.3 %	4.6 %	164.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0004 ppm	0.0003 ppm	-0.0002 ppm	0.1684 ppm	0.0001 ppm	0.0012 ppm	0.0010 ppm
Concentration per Run 1	-0.0008 ppm	0.0001 ppm	-0.0001 ppm	0.1707 ppm	0.0005 ppm	0.0010 ppm	0.0010 ppm
Concentration per Run 2	0.0020 ppm	0.0003 ppm	-0.0004 ppm	0.1610 ppm	0.0004 ppm	0.0003 ppm	0.0010 ppm
Concentration per Run 3	0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.1734 ppm	-0.0008 ppm	0.0023 ppm	0.0011 ppm
Recovery Percentage 1	0.443 %	2.594 %	-0.466 %	8.420 %	0.218 %	12.097 %	2.037 %
Concentration RSD	326.0 %	48.5 %	73.5 %	3.9 %	1,294.8 %	82.0 %	3.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	0.0019 ppm	-0.0002 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	0.0014 ppm	0.0028 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run 2	0.0011 ppm	0.0024 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	0.0004 ppm	-0.0003 ppm	0.0000 ppm	-0.0004 ppm	0.0001 ppm	0.0003 ppm
Recovery Percentage 1	8.317 %	0.372 %	-0.456 %	0.510 %	-1.634 %	0.138 %	1.961 %
Concentration RSD	97.8 %	68.0 %	125.8 %	143.1 %	106.1 %	487.6 %	84.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	101.6855 %	100.5364 %	98.1701 %	100.8777 %	99.3020 %	101.1011 %
Concentration per Run 1	0.0000 ppm	101.3302 %	101.1764 %	98.8012 %	99.5466 %	99.6962 %	101.6412 %
Concentration per Run 2	0.0002 ppm	104.4661 %	100.4725 %	97.9867 %	104.1305 %	98.9720 %	101.0780 %
Concentration per Run 3	0.0002 ppm	99.2602 %	99.9602 %	97.7224 %	98.9561 %	99.2379 %	100.5839 %
Recovery Percentage 1	2.525 %						
Concentration RSD	93.6 %	2.6 %	0.6 %	0.6 %	2.8 %	0.4 %	0.5 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCV
 Analysis started at: 9/29/2025 23:38:06
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4860 ppm	0.4802 ppm	0.4696 ppm	0.4771 ppm	0.4861 ppm	0.5021 ppm	0.4979 ppm
Concentration per Run 1	0.4845 ppm	0.4963 ppm	0.4618 ppm	0.4681 ppm	0.4941 ppm	0.5110 ppm	0.5136 ppm
Concentration per Run 2	0.4855 ppm	0.4744 ppm	0.4758 ppm	0.4836 ppm	0.4830 ppm	0.4989 ppm	0.4905 ppm
Concentration per Run 3	0.4881 ppm	0.4697 ppm	0.4710 ppm	0.4796 ppm	0.4813 ppm	0.4963 ppm	0.4897 ppm
Recovery Percentage 1	97.201 %	96.031 %	93.911 %	95.417 %	97.225 %	100.412 %	99.583 %
Concentration RSD	0.4 %	3.0 %	1.5 %	1.7 %	1.4 %	1.6 %	2.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4846 ppm	0.4833 ppm	0.5055 ppm	0.4972 ppm	0.5052 ppm	5.1131 ppm	0.5058 ppm
Concentration per Run 1	0.4752 ppm	0.4743 ppm	0.5053 ppm	0.4960 ppm	0.5158 ppm	5.2028 ppm	0.5128 ppm
Concentration per Run 2	0.4910 ppm	0.4889 ppm	0.5058 ppm	0.4959 ppm	0.5000 ppm	5.0611 ppm	0.5026 ppm
Concentration per Run 3	0.4875 ppm	0.4867 ppm	0.5053 ppm	0.4997 ppm	0.4997 ppm	5.0755 ppm	0.5020 ppm
Recovery Percentage 1	96.917 %	96.663 %	101.094 %	99.441 %	101.035 %	102.262 %	101.159 %
Concentration RSD	1.7 %	1.6 %	0.1 %	0.4 %	1.8 %	1.5 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5167 ppm	0.5048 ppm	0.4750 ppm	9.8638 ppm	0.4814 ppm	0.4986 ppm	0.4936 ppm
Concentration per Run 1	0.5221 ppm	0.5136 ppm	0.4664 ppm	10.0140 ppm	0.4728 ppm	0.4891 ppm	0.4860 ppm
Concentration per Run 2	0.5122 ppm	0.5024 ppm	0.4810 ppm	9.7996 ppm	0.4867 ppm	0.5059 ppm	0.4991 ppm
Concentration per Run 3	0.5159 ppm	0.4984 ppm	0.4775 ppm	9.7777 ppm	0.4847 ppm	0.5008 ppm	0.4957 ppm
Recovery Percentage 1	103.348 %	100.960 %	94.997 %	98.638 %	96.273 %	99.720 %	98.716 %
Concentration RSD	1.0 %	1.6 %	1.6 %	1.3 %	1.6 %	1.7 %	1.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4872 ppm	5.4026 ppm	0.4830 ppm	0.4919 ppm	0.5025 ppm	0.4945 ppm	0.5098 ppm
Concentration per Run 1	0.4791 ppm	5.3099 ppm	0.4729 ppm	0.4999 ppm	0.5025 ppm	0.4881 ppm	0.5094 ppm
Concentration per Run 2	0.4916 ppm	5.4702 ppm	0.4901 ppm	0.4888 ppm	0.5018 ppm	0.4977 ppm	0.5093 ppm
Concentration per Run 3	0.4908 ppm	5.4277 ppm	0.4859 ppm	0.4871 ppm	0.5033 ppm	0.4977 ppm	0.5106 ppm
Recovery Percentage 1	97.434 %	102.907 %	96.594 %	98.386 %	100.508 %	98.897 %	101.955 %
Concentration RSD	1.4 %	1.5 %	1.9 %	1.4 %	0.2 %	1.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4912 ppm	102.3090 %	100.5423 %	98.5643 %	103.2111 %	97.8542 %	102.3106 %
Concentration per Run 1	0.4817 ppm	101.2310 %	100.2952 %	99.9810 %	101.2727 %	99.5704 %	102.0727 %
Concentration per Run 2	0.4976 ppm	102.4094 %	100.8661 %	98.0420 %	103.6389 %	96.7649 %	102.6668 %
Concentration per Run 3	0.4944 ppm	103.2865 %	100.4655 %	97.6701 %	104.7218 %	97.2274 %	102.1923 %
Recovery Percentage 1	98.243 %						
Concentration RSD	1.7 %	1.0 %	0.3 %	1.3 %	1.7 %	1.5 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCB
Analysis started at: 9/29/2025 23:42:22
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	-0.0072 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run 1	0.0004 ppm	-0.0079 ppm	-0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 2	0.0004 ppm	-0.0045 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0011 ppm
Concentration per Run 3	0.0000 ppm	-0.0092 ppm	0.0012 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0011 ppm
Recovery Percentage 1	5.606 %	-7.171 %	11.262 %	0.423 %	0.411 %	-0.052 %	0.574 %
Concentration RSD	79.2 %	33.6 %	120.3 %	81.7 %	322.5 %	1,235.2 %	261.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0006 ppm	-0.0002 ppm	0.0017 ppm	0.0370 ppm	0.0000 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0004 ppm	-0.0005 ppm	0.0014 ppm	0.0582 ppm	-0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0000 ppm	0.0022 ppm	0.0330 ppm	-0.0008 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0008 ppm	-0.0002 ppm	0.0016 ppm	0.0196 ppm	0.0017 ppm
Recovery Percentage 1	1.288 %	1.406 %	5.863 %	-2.493 %	3.437 %	1.478 %	-0.439 %
Concentration RSD	14.8 %	40.0 %	34.2 %	84.9 %	24.0 %	53.0 %	3,359.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0023 ppm	0.0000 ppm	-0.0002 ppm	0.1128 ppm	0.0003 ppm	0.0009 ppm	0.0015 ppm
Concentration per Run 1	0.0053 ppm	0.0001 ppm	-0.0002 ppm	0.1064 ppm	0.0003 ppm	0.0010 ppm	0.0013 ppm
Concentration per Run 2	0.0018 ppm	-0.0001 ppm	-0.0002 ppm	0.1172 ppm	0.0006 ppm	0.0006 ppm	0.0026 ppm
Concentration per Run 3	-0.0002 ppm	-0.0001 ppm	-0.0004 ppm	0.1148 ppm	-0.0002 ppm	0.0012 ppm	0.0006 ppm
Recovery Percentage 1	2.291 %	-0.384 %	-0.496 %	5.640 %	1.015 %	9.352 %	3.027 %
Concentration RSD	120.0 %	338.6 %	53.5 %	5.0 %	149.7 %	34.8 %	67.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0001 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 1	-0.0003 ppm	0.0009 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0006 ppm	0.0005 ppm
Concentration per Run 2	-0.0010 ppm	0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 3	0.0009 ppm	0.0011 ppm	0.0002 ppm	0.0000 ppm	-0.0001 ppm	-0.0006 ppm	0.0000 ppm
Recovery Percentage 1	-1.374 %	0.179 %	0.144 %	-0.374 %	-0.619 %	-1.743 %	1.875 %
Concentration RSD	684.4 %	27.3 %	274.1 %	191.6 %	93.0 %	123.2 %	130.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	100.8311 %	100.0734 %	98.3987 %	100.5188 %	100.1466 %	100.9716 %
Concentration per Run 1	0.0001 ppm	100.5355 %	99.8070 %	98.7438 %	99.1848 %	100.7773 %	100.5390 %
Concentration per Run 2	0.0001 ppm	101.0601 %	100.5017 %	98.5877 %	101.0164 %	100.3788 %	101.4559 %
Concentration per Run 3	0.0002 ppm	100.8979 %	99.9115 %	97.8646 %	101.3551 %	99.2838 %	100.9200 %
Recovery Percentage 1	3.042 %						
Concentration RSD	49.0 %	0.3 %	0.4 %	0.5 %	1.2 %	0.8 %	0.5 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCV
 Analysis started at: 9/30/2025 11:08:40
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4833 ppm	0.4788 ppm	0.4685 ppm	0.4733 ppm	0.4869 ppm	0.5029 ppm	0.4917 ppm
Concentration per Run 1	0.4836 ppm	0.4827 ppm	0.4665 ppm	0.4706 ppm	0.4949 ppm	0.5120 ppm	0.5073 ppm
Concentration per Run 2	0.4837 ppm	0.4851 ppm	0.4689 ppm	0.4747 ppm	0.4834 ppm	0.4993 ppm	0.4812 ppm
Concentration per Run 3	0.4825 ppm	0.4685 ppm	0.4701 ppm	0.4745 ppm	0.4824 ppm	0.4974 ppm	0.4867 ppm
Recovery Percentage 1	96.653 %	95.750 %	93.700 %	94.651 %	97.385 %	100.577 %	98.343 %
Concentration RSD	0.1 %	1.9 %	0.4 %	0.5 %	1.4 %	1.6 %	2.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4839 ppm	0.4842 ppm	0.5052 ppm	0.4935 ppm	0.5100 ppm	5.1341 ppm	0.5058 ppm
Concentration per Run 1	0.4815 ppm	0.4811 ppm	0.5054 ppm	0.4933 ppm	0.5195 ppm	5.2176 ppm	0.5145 ppm
Concentration per Run 2	0.4850 ppm	0.4862 ppm	0.5051 ppm	0.4945 ppm	0.5051 ppm	5.1068 ppm	0.5029 ppm
Concentration per Run 3	0.4851 ppm	0.4853 ppm	0.5050 ppm	0.4928 ppm	0.5054 ppm	5.0780 ppm	0.5000 ppm
Recovery Percentage 1	96.777 %	96.839 %	101.041 %	98.709 %	102.002 %	102.683 %	101.157 %
Concentration RSD	0.4 %	0.6 %	0.0 %	0.2 %	1.6 %	1.4 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5166 ppm	0.5063 ppm	0.4737 ppm	9.8309 ppm	0.4852 ppm	0.4957 ppm	0.4903 ppm
Concentration per Run 1	0.5165 ppm	0.5163 ppm	0.4711 ppm	10.0060 ppm	0.4830 ppm	0.4933 ppm	0.4869 ppm
Concentration per Run 2	0.5144 ppm	0.5024 ppm	0.4749 ppm	9.7519 ppm	0.4867 ppm	0.4954 ppm	0.4919 ppm
Concentration per Run 3	0.5191 ppm	0.5004 ppm	0.4752 ppm	9.7348 ppm	0.4859 ppm	0.4982 ppm	0.4920 ppm
Recovery Percentage 1	103.328 %	101.270 %	94.745 %	98.309 %	97.038 %	99.132 %	98.057 %
Concentration RSD	0.5 %	1.7 %	0.5 %	1.5 %	0.4 %	0.5 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4832 ppm	5.3958 ppm	0.4830 ppm	0.4965 ppm	0.5040 ppm	0.4967 ppm	0.5126 ppm
Concentration per Run 1	0.4818 ppm	5.3730 ppm	0.4807 ppm	0.5045 ppm	0.5042 ppm	0.4938 ppm	0.5128 ppm
Concentration per Run 2	0.4835 ppm	5.4117 ppm	0.4833 ppm	0.4931 ppm	0.5049 ppm	0.4988 ppm	0.5132 ppm
Concentration per Run 3	0.4844 ppm	5.4028 ppm	0.4848 ppm	0.4917 ppm	0.5029 ppm	0.4974 ppm	0.5117 ppm
Recovery Percentage 1	96.648 %	102.777 %	96.593 %	99.292 %	100.796 %	99.338 %	102.517 %
Concentration RSD	0.3 %	0.4 %	0.4 %	1.4 %	0.2 %	0.5 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4896 ppm	101.6690 %	100.5306 %	99.3962 %	103.2296 %	98.5009 %	102.7839 %
Concentration per Run 1	0.4873 ppm	100.3055 %	100.5464 %	99.9301 %	100.8398 %	98.9917 %	102.8113 %
Concentration per Run 2	0.4911 ppm	101.9859 %	100.3604 %	99.2427 %	103.9914 %	98.2492 %	102.6479 %
Concentration per Run 3	0.4904 ppm	102.7154 %	100.6851 %	99.0158 %	104.8576 %	98.2617 %	102.8926 %
Recovery Percentage 1	97.921 %						
Concentration RSD	0.4 %	1.2 %	0.2 %	0.5 %	2.0 %	0.4 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCB
 Analysis started at: 9/30/2025 11:12:56
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0034 ppm	-0.0003 ppm	-0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	-0.0024 ppm	-0.0015 ppm	-0.0004 ppm	-0.0001 ppm	0.0000 ppm	-0.0019 ppm
Concentration per Run 2	0.0002 ppm	0.0028 ppm	-0.0003 ppm	-0.0004 ppm	-0.0002 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run 3	0.0003 ppm	-0.0106 ppm	0.0009 ppm	-0.0007 ppm	0.0000 ppm	-0.0001 ppm	0.0041 ppm
Recovery Percentage 1	3.199 %	-3.404 %	-5.391 %	-1.643 %	-1.264 %	-0.936 %	-0.037 %
Concentration RSD	95.3 %	197.6 %	439.7 %	40.7 %	95.8 %	28.8 %	9,701.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0006 ppm	-0.0028 ppm	0.0051 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0005 ppm	-0.0034 ppm	0.0055 ppm	0.0003 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0006 ppm	-0.0006 ppm	-0.0023 ppm	0.0083 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0006 ppm	-0.0028 ppm	0.0014 ppm	0.0010 ppm
Recovery Percentage 1	0.028 %	1.018 %	2.381 %	-5.636 %	-5.699 %	0.203 %	3.493 %
Concentration RSD	3,262.0 %	134.2 %	118.5 %	6.7 %	19.8 %	68.2 %	176.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0010 ppm	0.0003 ppm	-0.0003 ppm	0.0343 ppm	0.0007 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 1	-0.0011 ppm	0.0001 ppm	-0.0003 ppm	0.0362 ppm	0.0011 ppm	0.0002 ppm	0.0006 ppm
Concentration per Run 2	-0.0001 ppm	0.0005 ppm	-0.0004 ppm	0.0329 ppm	0.0009 ppm	-0.0001 ppm	0.0009 ppm
Concentration per Run 3	-0.0017 ppm	0.0004 ppm	-0.0003 ppm	0.0337 ppm	0.0000 ppm	0.0006 ppm	-0.0007 ppm
Recovery Percentage 1	-0.965 %	3.334 %	-0.621 %	1.714 %	2.782 %	2.704 %	0.568 %
Concentration RSD	84.6 %	56.2 %	18.5 %	4.9 %	82.4 %	133.1 %	293.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0027 ppm	-0.0014 ppm	-0.0004 ppm	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0031 ppm	-0.0013 ppm	-0.0004 ppm	0.0001 ppm	-0.0002 ppm	-0.0010 ppm	0.0000 ppm
Concentration per Run 2	0.0019 ppm	-0.0015 ppm	-0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0003 ppm
Concentration per Run 3	0.0031 ppm	-0.0013 ppm	-0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm
Recovery Percentage 1	26.957 %	-0.276 %	-0.855 %	0.471 %	-1.387 %	-0.865 %	1.070 %
Concentration RSD	25.8 %	8.7 %	62.6 %	144.9 %	75.8 %	451.8 %	144.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	102.4614 %	101.3464 %	99.4282 %	102.9215 %	100.4358 %	102.6426 %
Concentration per Run 1	0.0007 ppm	102.2008 %	101.1064 %	99.7249 %	101.9193 %	100.7284 %	102.4165 %
Concentration per Run 2	0.0008 ppm	103.0886 %	101.6225 %	99.2698 %	103.8148 %	100.2347 %	102.7889 %
Concentration per Run 3	0.0009 ppm	102.0948 %	101.3102 %	99.2900 %	103.0303 %	100.3444 %	102.7224 %
Recovery Percentage 1	15.844 %						
Concentration RSD	7.4 %	0.5 %	0.3 %	0.3 %	0.9 %	0.3 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: eL2559325-02 WG2118724
 Analysis started at: 9/30/2025 11:31:01
 Comments: <Comment>
 Rack: 1
 Vial: 44

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.4691 ppm	0.0045 ppm	0.0708 ppm	0.0321 ppm	-0.0001 ppm	55.0599 ppm
Concentration per Run 1	0.0004 ppm	0.4719 ppm	0.0053 ppm	0.0711 ppm	0.0325 ppm	-0.0001 ppm	55.7370 ppm
Concentration per Run 2	0.0003 ppm	0.4685 ppm	0.0047 ppm	0.0713 ppm	0.0319 ppm	-0.0002 ppm	54.8414 ppm
Concentration per Run 3	-0.0001 ppm	0.4670 ppm	0.0035 ppm	0.0700 ppm	0.0320 ppm	-0.0002 ppm	54.6013 ppm
Concentration RSD	132.8 %	0.5 %	19.7 %	1.0 %	1.0 %	9.0 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0004 ppm	0.0021 ppm	0.0109 ppm	N/A	N/A	0.0094 ppm
Concentration per Run 1	0.0000 ppm	0.0007 ppm	0.0022 ppm	0.0110 ppm	N/A	N/A	0.0097 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0017 ppm	0.0107 ppm	N/A	N/A	0.0092 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0022 ppm	0.0109 ppm	N/A	N/A	0.0093 ppm
Concentration RSD	38.2 %	69.2 %	13.5 %	1.7 %	N/A	N/A	3.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.6208 ppm	0.0028 ppm	0.0571 ppm	N/A	-0.0014 ppm	0.0039 ppm	-0.0001 ppm
Concentration per Run 1	15.6713 ppm	0.0028 ppm	0.0571 ppm	N/A	-0.0028 ppm	0.0028 ppm	-0.0002 ppm
Concentration per Run 2	15.5322 ppm	0.0030 ppm	0.0569 ppm	N/A	-0.0013 ppm	0.0061 ppm	0.0005 ppm
Concentration per Run 3	15.6590 ppm	0.0027 ppm	0.0574 ppm	N/A	-0.0001 ppm	0.0028 ppm	-0.0005 ppm
Concentration RSD	0.5 %	5.9 %	0.4 %	N/A	98.8 %	49.0 %	971.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	1.8319 ppm	-0.0001 ppm	0.2983 ppm	-0.0001 ppm	-0.0023 ppm	0.0004 ppm
Concentration per Run 1	-0.0003 ppm	1.8343 ppm	-0.0002 ppm	0.3013 ppm	-0.0002 ppm	-0.0020 ppm	0.0004 ppm
Concentration per Run 2	-0.0005 ppm	1.8354 ppm	-0.0008 ppm	0.2968 ppm	0.0000 ppm	-0.0028 ppm	0.0005 ppm
Concentration per Run 3	0.0035 ppm	1.8260 ppm	0.0006 ppm	0.2969 ppm	0.0000 ppm	-0.0023 ppm	0.0004 ppm
Concentration RSD	247.1 %	0.3 %	670.6 %	0.9 %	190.8 %	16.1 %	16.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0280 ppm	94.6712 %	80.4752 %	83.5310 %	96.0616 %	72.8484 %	81.7649 %
Concentration per Run 1	0.0281 ppm	94.1268 %	80.2127 %	83.5161 %	94.8694 %	72.8146 %	81.4390 %
Concentration per Run 2	0.0277 ppm	94.5069 %	80.9991 %	83.5319 %	96.2868 %	72.8122 %	82.2659 %
Concentration per Run 3	0.0282 ppm	95.3798 %	80.2138 %	83.5451 %	97.0287 %	72.9184 %	81.5898 %
Concentration RSD	1.0 %	0.7 %	0.6 %	0.0 %	1.1 %	0.1 %	0.5 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2118724-3D5 WG2118724
 Analysis started at: 9/30/2025 11:35:34
 Comments: <Comment>
 Rack: 1
 Vial: 40

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0107 ppm	0.5843 ppm	0.0301 ppm	0.2288 ppm	0.4025 ppm	0.0104 ppm	5.9820 ppm
Concentration per Run 1	0.0103 ppm	0.5861 ppm	0.0302 ppm	0.2289 ppm	0.4045 ppm	0.0105 ppm	6.0212 ppm
Concentration per Run 2	0.0110 ppm	0.5804 ppm	0.0297 ppm	0.2290 ppm	0.4031 ppm	0.0104 ppm	5.9871 ppm
Concentration per Run 3	0.0109 ppm	0.5864 ppm	0.0306 ppm	0.2286 ppm	0.3999 ppm	0.0103 ppm	5.9379 ppm
Concentration RSD	3.2 %	0.6 %	1.5 %	0.1 %	0.6 %	0.8 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0115 ppm	0.1016 ppm	0.0420 ppm	0.0538 ppm	0.1944 ppm	3.3368 ppm	0.0015 ppm
Concentration per Run 1	0.0114 ppm	0.1017 ppm	0.0418 ppm	0.0536 ppm	0.1963 ppm	3.3906 ppm	0.0029 ppm
Concentration per Run 2	0.0115 ppm	0.1017 ppm	0.0424 ppm	0.0540 ppm	0.1938 ppm	3.3365 ppm	0.0022 ppm
Concentration per Run 3	0.0114 ppm	0.1015 ppm	0.0419 ppm	0.0539 ppm	0.1932 ppm	3.2833 ppm	-0.0005 ppm
Concentration RSD	0.5 %	0.1 %	0.7 %	0.4 %	0.9 %	1.6 %	117.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.4574 ppm	0.1032 ppm	0.2175 ppm	469.4275 ppm	0.1017 ppm	0.1104 ppm	0.1096 ppm
Concentration per Run 1	4.4466 ppm	0.1035 ppm	0.2172 ppm	472.4973 ppm	0.1027 ppm	0.1093 ppm	0.1107 ppm
Concentration per Run 2	4.4788 ppm	0.1036 ppm	0.2185 ppm	466.1172 ppm	0.1011 ppm	0.1111 ppm	0.1086 ppm
Concentration per Run 3	4.4468 ppm	0.1026 ppm	0.2168 ppm	469.6682 ppm	0.1014 ppm	0.1107 ppm	0.1093 ppm
Concentration RSD	0.4 %	0.5 %	0.4 %	0.7 %	0.8 %	0.9 %	1.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0269 ppm	0.3428 ppm	0.2143 ppm	0.2245 ppm	0.2183 ppm	0.0231 ppm	0.1083 ppm
Concentration per Run 1	0.0269 ppm	0.3422 ppm	0.2155 ppm	0.2254 ppm	0.2183 ppm	0.0229 ppm	0.1082 ppm
Concentration per Run 2	0.0267 ppm	0.3435 ppm	0.2132 ppm	0.2251 ppm	0.2182 ppm	0.0235 ppm	0.1083 ppm
Concentration per Run 3	0.0273 ppm	0.3427 ppm	0.2142 ppm	0.2229 ppm	0.2185 ppm	0.0228 ppm	0.1084 ppm
Concentration RSD	1.1 %	0.2 %	0.5 %	0.6 %	0.1 %	1.7 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1146 ppm	99.6165 %	92.0997 %	91.9455 %	101.5456 %	85.6236 %	94.1835 %
Concentration per Run 1	0.1141 ppm	99.4535 %	92.4927 %	92.2515 %	100.8033 %	86.0701 %	94.5318 %
Concentration per Run 2	0.1151 ppm	99.8787 %	91.9078 %	91.8142 %	101.9802 %	85.3487 %	94.0349 %
Concentration per Run 3	0.1147 ppm	99.5174 %	91.8985 %	91.7707 %	101.8532 %	85.4519 %	93.9838 %
Concentration RSD	0.5 %	0.2 %	0.4 %	0.3 %	0.6 %	0.5 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2118724-4D5 WG2118724
 Analysis started at: 9/30/2025 11:51:00
 Comments: <Comment>
 Rack: 1
 Vial: 41

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.1782 ppm	0.0028 ppm	0.0086 ppm	0.0025 ppm	-0.0002 ppm	4.0145 ppm
Concentration per Run 1	-0.0001 ppm	0.1814 ppm	0.0040 ppm	0.0085 ppm	0.0027 ppm	-0.0002 ppm	4.0315 ppm
Concentration per Run 2	-0.0002 ppm	0.1736 ppm	0.0009 ppm	0.0086 ppm	0.0025 ppm	-0.0002 ppm	4.0297 ppm
Concentration per Run 3	0.0002 ppm	0.1796 ppm	0.0035 ppm	0.0087 ppm	0.0025 ppm	-0.0002 ppm	3.9821 ppm
Concentration RSD	1,040.6 %	2.3 %	60.4 %	1.5 %	3.7 %	4.2 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0017 ppm	-0.0102 ppm	0.8926 ppm	0.0008 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0017 ppm	-0.0098 ppm	0.8815 ppm	0.0005 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0017 ppm	-0.0095 ppm	0.8869 ppm	0.0012 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0017 ppm	-0.0113 ppm	0.9094 ppm	0.0008 ppm
Concentration RSD	22.3 %	304.6 %	81.9 %	1.5 %	9.3 %	1.7 %	43.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.3772 ppm	0.0003 ppm	-0.0002 ppm	494.0970 ppm	-0.0002 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run 1	2.3839 ppm	0.0001 ppm	-0.0003 ppm	500.0684 ppm	-0.0009 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run 2	2.3826 ppm	0.0003 ppm	-0.0001 ppm	492.0167 ppm	0.0001 ppm	0.0017 ppm	0.0003 ppm
Concentration per Run 3	2.3651 ppm	0.0004 ppm	-0.0002 ppm	490.2059 ppm	0.0001 ppm	0.0007 ppm	0.0002 ppm
Concentration RSD	0.4 %	47.4 %	29.9 %	1.1 %	280.8 %	41.1 %	48.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	0.1172 ppm	-0.0004 ppm	0.0182 ppm	0.0003 ppm	-0.0004 ppm	-0.0003 ppm
Concentration per Run 1	0.0023 ppm	0.1172 ppm	-0.0010 ppm	0.0183 ppm	0.0000 ppm	-0.0001 ppm	-0.0004 ppm
Concentration per Run 2	0.0042 ppm	0.1186 ppm	-0.0004 ppm	0.0183 ppm	0.0003 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run 3	-0.0008 ppm	0.1158 ppm	0.0003 ppm	0.0182 ppm	0.0005 ppm	-0.0009 ppm	-0.0004 ppm
Concentration RSD	133.0 %	1.2 %	174.5 %	0.2 %	94.8 %	104.4 %	12.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0039 ppm	98.6882 %	92.2206 %	92.7621 %	100.3226 %	86.1758 %	93.9744 %
Concentration per Run 1	0.0043 ppm	98.6463 %	92.2610 %	92.6949 %	99.3804 %	86.0389 %	93.9652 %
Concentration per Run 2	0.0038 ppm	98.5714 %	92.0822 %	92.7167 %	100.3611 %	85.9420 %	93.9835 %
Concentration per Run 3	0.0036 ppm	98.8468 %	92.3187 %	92.8748 %	101.2262 %	86.5467 %	N/A
Concentration RSD	8.1 %	0.1 %	0.1 %	0.1 %	0.9 %	0.4 %	0.0 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2118724-5D5 WG2118724
 Analysis started at: 9/30/2025 11:55:39
 Comments: <Comment>
 Rack: 1
 Vial: 42

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0447 ppm	1.9325 ppm	0.1159 ppm	0.9187 ppm	1.7305 ppm	0.0446 ppm	12.3830 ppm
Concentration per Run 1	0.0452 ppm	1.9400 ppm	0.1166 ppm	0.9201 ppm	1.7440 ppm	0.0449 ppm	12.4930 ppm
Concentration per Run 2	0.0446 ppm	1.9327 ppm	0.1138 ppm	0.9134 ppm	1.7229 ppm	0.0445 ppm	12.3126 ppm
Concentration per Run 3	0.0445 ppm	1.9248 ppm	0.1174 ppm	0.9225 ppm	1.7246 ppm	0.0443 ppm	12.3433 ppm
Concentration RSD	0.8 %	0.4 %	1.6 %	0.5 %	0.7 %	0.7 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0485 ppm	0.4264 ppm	0.1770 ppm	0.2207 ppm	0.8717 ppm	10.5795 ppm	0.0004 ppm
Concentration per Run 1	0.0484 ppm	0.4264 ppm	0.1776 ppm	0.2214 ppm	0.8746 ppm	10.6447 ppm	0.0014 ppm
Concentration per Run 2	0.0483 ppm	0.4247 ppm	0.1770 ppm	0.2199 ppm	0.8688 ppm	10.5584 ppm	-0.0012 ppm
Concentration per Run 3	0.0488 ppm	0.4281 ppm	0.1765 ppm	0.2208 ppm	0.8716 ppm	10.5355 ppm	0.0008 ppm
Concentration RSD	0.5 %	0.4 %	0.3 %	0.3 %	0.3 %	0.5 %	380.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.9609 ppm	0.4364 ppm	0.9000 ppm	435.8402 ppm	0.4245 ppm	0.4653 ppm	0.4473 ppm
Concentration per Run 1	11.0018 ppm	0.4398 ppm	0.9003 ppm	438.7056 ppm	0.4237 ppm	0.4639 ppm	0.4481 ppm
Concentration per Run 2	10.9548 ppm	0.4343 ppm	0.8963 ppm	434.3584 ppm	0.4225 ppm	0.4628 ppm	0.4445 ppm
Concentration per Run 3	10.9262 ppm	0.4351 ppm	0.9033 ppm	434.4566 ppm	0.4272 ppm	0.4692 ppm	0.4494 ppm
Concentration RSD	0.3 %	0.7 %	0.4 %	0.6 %	0.6 %	0.7 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1122 ppm	0.9928 ppm	0.8986 ppm	0.8976 ppm	0.9096 ppm	0.0990 ppm	0.4560 ppm
Concentration per Run 1	0.1142 ppm	0.9930 ppm	0.8992 ppm	0.9045 ppm	0.9129 ppm	0.0977 ppm	0.4587 ppm
Concentration per Run 2	0.1096 ppm	0.9891 ppm	0.8926 ppm	0.8932 ppm	0.9075 ppm	0.0991 ppm	0.4554 ppm
Concentration per Run 3	0.1128 ppm	0.9963 ppm	0.9041 ppm	0.8949 ppm	0.9086 ppm	0.1002 ppm	0.4540 ppm
Concentration RSD	2.1 %	0.4 %	0.6 %	0.7 %	0.3 %	1.3 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4666 ppm	99.4012 %	92.6086 %	92.6352 %	100.7101 %	86.4512 %	94.2961 %
Concentration per Run 1	0.4666 ppm	99.8011 %	92.2044 %	92.7264 %	100.4674 %	86.6577 %	93.8147 %
Concentration per Run 2	0.4649 ppm	99.3339 %	92.8031 %	93.0739 %	101.0248 %	86.8333 %	94.5916 %
Concentration per Run 3	0.4684 ppm	99.0685 %	92.8184 %	92.1053 %	100.6381 %	85.8628 %	94.4820 %
Concentration RSD	0.4 %	0.4 %	0.4 %	0.5 %	0.3 %	0.6 %	0.4 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2118724-6d25 WG2118724
 Analysis started at: 9/30/2025 12:00:00
 Comments: <Comment>
 Rack: 1
 Vial: 43

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0294 ppm	0.0001 ppm	0.0018 ppm	0.0005 ppm	-0.0001 ppm	0.7945 ppm
Concentration per Run 1	0.0000 ppm	0.0303 ppm	0.0007 ppm	0.0019 ppm	0.0005 ppm	-0.0001 ppm	0.8056 ppm
Concentration per Run 2	0.0005 ppm	0.0298 ppm	0.0001 ppm	0.0016 ppm	0.0005 ppm	-0.0001 ppm	0.7909 ppm
Concentration per Run 3	0.0000 ppm	0.0280 ppm	-0.0005 ppm	0.0019 ppm	0.0006 ppm	-0.0001 ppm	0.7870 ppm
Concentration RSD	151.8 %	4.1 %	744.5 %	7.3 %	12.0 %	12.7 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0146 ppm	0.1973 ppm	0.0004 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0152 ppm	0.2084 ppm	0.0000 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0004 ppm	0.0146 ppm	0.2041 ppm	0.0009 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0139 ppm	0.1794 ppm	0.0003 ppm
Concentration RSD	20.9 %	138.1 %	151.3 %	36.0 %	4.5 %	7.9 %	116.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4851 ppm	0.0000 ppm	0.0000 ppm	99.9245 ppm	0.0001 ppm	0.0016 ppm	0.0022 ppm
Concentration per Run 1	0.4816 ppm	0.0004 ppm	0.0002 ppm	101.4395 ppm	0.0005 ppm	0.0018 ppm	0.0035 ppm
Concentration per Run 2	0.4865 ppm	-0.0002 ppm	-0.0002 ppm	99.3680 ppm	0.0001 ppm	0.0009 ppm	0.0011 ppm
Concentration per Run 3	0.4872 ppm	-0.0001 ppm	0.0000 ppm	98.9662 ppm	-0.0002 ppm	0.0021 ppm	0.0019 ppm
Concentration RSD	0.6 %	655.2 %	2,490.6 %	1.3 %	380.1 %	40.7 %	55.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0015 ppm	0.0293 ppm	0.0000 ppm	0.0037 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0016 ppm	0.0306 ppm	0.0017 ppm	0.0038 ppm	-0.0002 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 2	0.0010 ppm	0.0289 ppm	-0.0006 ppm	0.0036 ppm	0.0002 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run 3	0.0019 ppm	0.0284 ppm	-0.0010 ppm	0.0037 ppm	-0.0003 ppm	-0.0006 ppm	0.0001 ppm
Concentration RSD	33.0 %	3.9 %	3,432.4 %	2.7 %	222.1 %	875.5 %	511.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0011 ppm	100.3374 %	97.6150 %	96.4563 %	101.7310 %	94.7864 %	99.7439 %
Concentration per Run 1	0.0010 ppm	99.5492 %	97.4604 %	95.4374 %	99.9902 %	93.4652 %	99.4637 %
Concentration per Run 2	0.0011 ppm	100.9348 %	97.7418 %	96.9048 %	102.6640 %	94.9824 %	99.8860 %
Concentration per Run 3	0.0011 ppm	100.5281 %	97.6430 %	97.0266 %	102.5387 %	95.9116 %	99.8819 %
Concentration RSD	4.9 %	0.7 %	0.1 %	0.9 %	1.5 %	1.3 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2559325-02D20 WG2118724
 Analysis started at: 9/30/2025 12:04:31
 Comments: <Comment>
 Rack: 1
 Vial: 45

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0226 ppm	0.0017 ppm	0.0032 ppm	0.0015 ppm	-0.0001 ppm	2.7969 ppm
Concentration per Run 1	0.0003 ppm	0.0254 ppm	0.0002 ppm	0.0036 ppm	0.0016 ppm	-0.0001 ppm	2.8093 ppm
Concentration per Run 2	-0.0002 ppm	0.0155 ppm	0.0033 ppm	0.0028 ppm	0.0016 ppm	-0.0001 ppm	2.7977 ppm
Concentration per Run 3	0.0005 ppm	0.0269 ppm	0.0015 ppm	0.0033 ppm	0.0014 ppm	-0.0001 ppm	2.7839 ppm
Concentration RSD	157.8 %	27.3 %	91.3 %	12.5 %	5.2 %	36.8 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0006 ppm	-0.0087 ppm	1.6139 ppm	0.0005 ppm
Concentration per Run 1	-0.0001 ppm	-0.0004 ppm	0.0004 ppm	0.0005 ppm	-0.0095 ppm	1.6290 ppm	0.0012 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0005 ppm	-0.0083 ppm	1.6091 ppm	0.0009 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0009 ppm	-0.0083 ppm	1.6037 ppm	-0.0005 ppm
Concentration RSD	56.2 %	526.0 %	43.3 %	38.5 %	7.8 %	0.8 %	177.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.8499 ppm	0.0001 ppm	0.0022 ppm	173.6414 ppm	0.0001 ppm	0.0011 ppm	0.0009 ppm
Concentration per Run 1	0.8505 ppm	0.0001 ppm	0.0020 ppm	177.7710 ppm	0.0000 ppm	0.0005 ppm	0.0013 ppm
Concentration per Run 2	0.8440 ppm	0.0002 ppm	0.0024 ppm	173.0228 ppm	-0.0002 ppm	0.0009 ppm	0.0005 ppm
Concentration per Run 3	0.8554 ppm	0.0001 ppm	0.0023 ppm	170.1305 ppm	0.0005 ppm	0.0018 ppm	0.0009 ppm
Concentration RSD	0.7 %	40.8 %	10.4 %	2.2 %	313.0 %	59.8 %	47.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	0.0898 ppm	-0.0007 ppm	0.0150 ppm	-0.0005 ppm	-0.0013 ppm	-0.0002 ppm
Concentration per Run 1	0.0005 ppm	0.0895 ppm	-0.0014 ppm	0.0151 ppm	-0.0005 ppm	-0.0009 ppm	0.0001 ppm
Concentration per Run 2	0.0007 ppm	0.0875 ppm	-0.0005 ppm	0.0150 ppm	-0.0005 ppm	-0.0020 ppm	-0.0002 ppm
Concentration per Run 3	0.0013 ppm	0.0924 ppm	0.0000 ppm	0.0149 ppm	-0.0005 ppm	-0.0010 ppm	-0.0004 ppm
Concentration RSD	50.0 %	2.8 %	108.1 %	0.5 %	2.5 %	46.2 %	129.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0015 ppm	99.8593 %	96.7489 %	94.6112 %	101.2970 %	91.4676 %	98.2743 %
Concentration per Run 1	0.0015 ppm	100.1867 %	96.6192 %	95.6236 %	100.7389 %	92.5347 %	98.7613 %
Concentration per Run 2	0.0015 ppm	99.5755 %	97.7017 %	95.7113 %	101.3505 %	92.4790 %	N/A
Concentration per Run 3	0.0016 ppm	99.8158 %	95.9258 %	92.4987 %	101.8014 %	89.3891 %	97.7872 %
Concentration RSD	4.6 %	0.3 %	0.9 %	1.9 %	0.5 %	2.0 %	0.7 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCV
 Analysis started at: 9/30/2025 12:28:30
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4788 ppm	0.4794 ppm	0.4557 ppm	0.4521 ppm	0.4838 ppm	0.5071 ppm	0.5134 ppm
Concentration per Run 1	0.4632 ppm	0.4884 ppm	0.4569 ppm	0.4518 ppm	0.4940 ppm	0.5176 ppm	0.5300 ppm
Concentration per Run 2	0.4909 ppm	0.4770 ppm	0.4552 ppm	0.4513 ppm	0.4817 ppm	0.5047 ppm	0.5043 ppm
Concentration per Run 3	0.4823 ppm	0.4727 ppm	0.4550 ppm	0.4531 ppm	0.4759 ppm	0.4991 ppm	0.5058 ppm
Recovery Percentage 1	95.765 %	95.874 %	91.137 %	90.411 %	96.769 %	101.428 %	102.674 %
Concentration RSD	3.0 %	1.7 %	0.2 %	0.2 %	1.9 %	1.9 %	2.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4940 ppm	0.4780 ppm	0.5177 ppm	0.4764 ppm	0.5207 ppm	5.2223 ppm	0.4988 ppm
Concentration per Run 1	0.4944 ppm	0.4785 ppm	0.4993 ppm	0.4616 ppm	0.5327 ppm	5.3312 ppm	0.5098 ppm
Concentration per Run 2	0.4935 ppm	0.4784 ppm	0.5318 ppm	0.4887 ppm	0.5180 ppm	5.2110 ppm	0.4949 ppm
Concentration per Run 3	0.4939 ppm	0.4771 ppm	0.5219 ppm	0.4788 ppm	0.5112 ppm	5.1247 ppm	0.4917 ppm
Recovery Percentage 1	98.791 %	95.593 %	103.532 %	95.277 %	104.133 %	104.446 %	99.762 %
Concentration RSD	0.1 %	0.2 %	3.2 %	2.9 %	2.1 %	2.0 %	1.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5266 ppm	0.5182 ppm	0.4642 ppm	9.9918 ppm	0.4771 ppm	0.4951 ppm	0.4675 ppm
Concentration per Run 1	0.5093 ppm	0.5296 ppm	0.4637 ppm	10.1707 ppm	0.4777 ppm	0.4947 ppm	0.4690 ppm
Concentration per Run 2	0.5407 ppm	0.5151 ppm	0.4639 ppm	9.9540 ppm	0.4762 ppm	0.4948 ppm	0.4653 ppm
Concentration per Run 3	0.5298 ppm	0.5099 ppm	0.4650 ppm	9.8508 ppm	0.4775 ppm	0.4957 ppm	0.4683 ppm
Recovery Percentage 1	105.318 %	103.635 %	92.836 %	99.918 %	95.422 %	99.011 %	93.501 %
Concentration RSD	3.0 %	2.0 %	0.2 %	1.6 %	0.2 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4693 ppm	5.1421 ppm	0.4802 ppm	0.4921 ppm	0.5032 ppm	0.4863 ppm	0.5137 ppm
Concentration per Run 1	0.4693 ppm	5.1425 ppm	0.4821 ppm	0.5020 ppm	0.4861 ppm	0.4873 ppm	0.4958 ppm
Concentration per Run 2	0.4695 ppm	5.1365 ppm	0.4810 ppm	0.4904 ppm	0.5158 ppm	0.4877 ppm	0.5275 ppm
Concentration per Run 3	0.4689 ppm	5.1472 ppm	0.4776 ppm	0.4839 ppm	0.5076 ppm	0.4839 ppm	0.5177 ppm
Recovery Percentage 1	93.852 %	97.944 %	96.049 %	98.418 %	100.636 %	97.265 %	102.735 %
Concentration RSD	0.1 %	0.1 %	0.5 %	1.9 %	3.0 %	0.4 %	3.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5080 ppm	89.8495 %	95.9032 %	97.5532 %	90.1881 %	97.2291 %	96.0185 %
Concentration per Run 1	0.5080 ppm	89.4085 %	99.0539 %	97.4593 %	88.8157 %	97.2176 %	N/A
Concentration per Run 2	0.5075 ppm	89.7246 %	93.7890 %	97.8561 %	90.6169 %	97.4229 %	95.1004 %
Concentration per Run 3	0.5084 ppm	90.4155 %	94.8667 %	97.3441 %	91.1317 %	97.0467 %	96.9366 %
Recovery Percentage 1	101.593 %						
Concentration RSD	0.1 %	0.6 %	2.9 %	0.3 %	1.3 %	0.2 %	1.4 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCB
 Analysis started at: 9/30/2025 12:32:46
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0104 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0039 ppm
Concentration per Run 1	0.0005 ppm	-0.0058 ppm	-0.0006 ppm	0.0003 ppm	0.0000 ppm	-0.0001 ppm	-0.0005 ppm
Concentration per Run 2	0.0002 ppm	-0.0129 ppm	0.0013 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0085 ppm
Concentration per Run 3	-0.0001 ppm	-0.0125 ppm	0.0002 ppm	-0.0006 ppm	0.0002 ppm	0.0000 ppm	0.0037 ppm
Recovery Percentage 1	4.038 %	-10.393 %	6.216 %	-0.066 %	0.285 %	-1.263 %	3.881 %
Concentration RSD	142.4 %	38.5 %	294.6 %	2,556.6 %	593.5 %	74.0 %	116.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0011 ppm	-0.0022 ppm	0.0237 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0004 ppm	-0.0009 ppm	-0.0017 ppm	-0.0066 ppm	-0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0003 ppm	-0.0010 ppm	-0.0012 ppm	0.0341 ppm	0.0014 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0013 ppm	-0.0037 ppm	0.0436 ppm	0.0017 ppm
Recovery Percentage 1	-0.471 %	0.343 %	3.512 %	-10.753 %	-4.354 %	0.947 %	7.404 %
Concentration RSD	70.5 %	506.5 %	4.5 %	20.8 %	61.1 %	112.6 %	191.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0030 ppm	0.0002 ppm	-0.0003 ppm	0.1023 ppm	-0.0002 ppm	0.0008 ppm	0.0016 ppm
Concentration per Run 1	-0.0011 ppm	0.0001 ppm	-0.0002 ppm	0.1049 ppm	-0.0006 ppm	0.0013 ppm	0.0015 ppm
Concentration per Run 2	-0.0038 ppm	0.0001 ppm	-0.0003 ppm	0.1052 ppm	-0.0006 ppm	0.0003 ppm	0.0014 ppm
Concentration per Run 3	-0.0040 ppm	0.0003 ppm	-0.0003 ppm	0.0967 ppm	0.0006 ppm	0.0009 ppm	0.0020 ppm
Recovery Percentage 1	-2.961 %	1.764 %	-0.595 %	5.113 %	-0.817 %	8.258 %	3.223 %
Concentration RSD	53.7 %	60.8 %	20.4 %	4.7 %	327.7 %	63.4 %	20.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	-0.0010 ppm	-0.0006 ppm	-0.0001 ppm	-0.0006 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 1	-0.0025 ppm	-0.0003 ppm	-0.0002 ppm	-0.0001 ppm	-0.0005 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 2	0.0040 ppm	-0.0009 ppm	-0.0005 ppm	-0.0001 ppm	-0.0006 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run 3	-0.0023 ppm	-0.0017 ppm	-0.0012 ppm	-0.0001 ppm	-0.0007 ppm	-0.0002 ppm	-0.0001 ppm
Recovery Percentage 1	-2.842 %	-0.192 %	-1.236 %	-0.985 %	-5.907 %	-1.123 %	0.292 %
Concentration RSD	1,302.4 %	70.3 %	84.5 %	29.0 %	23.8 %	103.8 %	810.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0007 ppm	89.7888 %	95.6053 %	97.5912 %	90.1042 %	99.5619 %	96.6671 %
Concentration per Run 1	0.0006 ppm	89.0489 %	95.3088 %	97.3252 %	88.4113 %	99.2351 %	96.7769 %
Concentration per Run 2	0.0009 ppm	89.8706 %	95.0692 %	97.3454 %	90.5089 %	98.9386 %	96.5573 %
Concentration per Run 3	0.0007 ppm	90.4468 %	96.4378 %	98.1029 %	91.3924 %	100.5120 %	N/A
Recovery Percentage 1	14.561 %						
Concentration RSD	18.3 %	0.8 %	0.8 %	0.5 %	1.7 %	0.8 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2120723-1 WG2120723
 Analysis started at: 9/30/2025 13:27:04
 Comments: <Comment>
 Rack: 1
 Vial: 46

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0001 ppm	0.0002 ppm	-0.0012 ppm	-0.0001 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run 1	0.0005 ppm	0.0001 ppm	-0.0005 ppm	-0.0018 ppm	0.0001 ppm	-0.0002 ppm	-0.0017 ppm
Concentration per Run 2	-0.0002 ppm	-0.0067 ppm	0.0022 ppm	-0.0009 ppm	-0.0002 ppm	-0.0002 ppm	0.0028 ppm
Concentration per Run 3	0.0002 ppm	0.0068 ppm	-0.0012 ppm	-0.0009 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm
Concentration RSD	204.2 %	9,122.5 %	1,171.8 %	41.8 %	134.8 %	14.5 %	635.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	-0.0005 ppm	-0.0034 ppm	0.0202 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0006 ppm	-0.0038 ppm	0.0124 ppm	-0.0002 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0006 ppm	-0.0033 ppm	0.0187 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	0.0001 ppm	-0.0003 ppm	-0.0030 ppm	0.0295 ppm	0.0004 ppm
Concentration RSD	47.3 %	48.8 %	111.6 %	29.2 %	12.2 %	42.9 %	237.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0018 ppm	0.0014 ppm	-0.0006 ppm	0.0390 ppm	0.0004 ppm	-0.0001 ppm	0.0011 ppm
Concentration per Run 1	0.0016 ppm	0.0014 ppm	-0.0006 ppm	0.0383 ppm	0.0004 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 2	0.0027 ppm	0.0012 ppm	-0.0005 ppm	0.0388 ppm	0.0004 ppm	-0.0007 ppm	0.0027 ppm
Concentration per Run 3	0.0012 ppm	0.0016 ppm	-0.0006 ppm	0.0400 ppm	0.0003 ppm	0.0005 ppm	0.0007 ppm
Concentration RSD	43.6 %	14.2 %	15.0 %	2.2 %	21.3 %	912.7 %	126.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0001 ppm	0.0092 ppm	-0.0008 ppm	0.0000 ppm	-0.0003 ppm	-0.0007 ppm	0.0000 ppm
Concentration per Run 1	-0.0009 ppm	0.0093 ppm	-0.0001 ppm	-0.0001 ppm	-0.0003 ppm	-0.0005 ppm	-0.0002 ppm
Concentration per Run 2	0.0008 ppm	0.0090 ppm	-0.0010 ppm	0.0001 ppm	-0.0006 ppm	-0.0012 ppm	0.0002 ppm
Concentration per Run 3	-0.0004 ppm	0.0093 ppm	-0.0012 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm	-0.0001 ppm
Concentration RSD	632.9 %	2.1 %	75.0 %	504.7 %	92.4 %	76.9 %	565.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0005 ppm	102.9061 %	102.3267 %	99.5510 %	102.6041 %	102.2046 %	103.6609 %
Concentration per Run 1	-0.0005 ppm	102.4628 %	102.4226 %	99.6265 %	101.1673 %	102.1548 %	103.5616 %
Concentration per Run 2	-0.0005 ppm	103.1993 %	101.9994 %	100.1350 %	103.0972 %	102.9914 %	103.4128 %
Concentration per Run 3	-0.0006 ppm	103.0561 %	102.5580 %	98.8915 %	103.5477 %	101.4677 %	104.0083 %
Concentration RSD	12.3 %	0.4 %	0.3 %	0.6 %	1.2 %	0.7 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2120723-2 WG2120723
 Analysis started at: 9/30/2025 13:31:37
 Comments: <Comment>
 Rack: 1
 Vial: 47

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0497 ppm	2.0655 ppm	0.1197 ppm	0.9726 ppm	2.0087 ppm	0.0510 ppm	10.1905 ppm
Concentration per Run 1	0.0497 ppm	2.1171 ppm	0.1213 ppm	0.9712 ppm	2.0508 ppm	0.0521 ppm	10.4194 ppm
Concentration per Run 2	0.0498 ppm	2.0473 ppm	0.1179 ppm	0.9724 ppm	1.9898 ppm	0.0505 ppm	10.1089 ppm
Concentration per Run 3	0.0496 ppm	2.0322 ppm	0.1201 ppm	0.9741 ppm	1.9855 ppm	0.0504 ppm	10.0433 ppm
Concentration RSD	0.1 %	2.2 %	1.4 %	0.2 %	1.8 %	1.9 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0529 ppm	0.4748 ppm	0.2036 ppm	0.2484 ppm	1.0156 ppm	10.6953 ppm	-0.0005 ppm
Concentration per Run 1	0.0528 ppm	0.4733 ppm	0.2033 ppm	0.2484 ppm	1.0364 ppm	10.9300 ppm	-0.0001 ppm
Concentration per Run 2	0.0529 ppm	0.4753 ppm	0.2042 ppm	0.2489 ppm	1.0094 ppm	10.5812 ppm	-0.0003 ppm
Concentration per Run 3	0.0530 ppm	0.4757 ppm	0.2033 ppm	0.2479 ppm	1.0008 ppm	10.5748 ppm	-0.0013 ppm
Concentration RSD	0.2 %	0.3 %	0.3 %	0.2 %	1.8 %	1.9 %	116.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.6225 ppm	0.5061 ppm	0.9820 ppm	10.4308 ppm	0.4728 ppm	0.5342 ppm	0.4879 ppm
Concentration per Run 1	10.6035 ppm	0.5172 ppm	0.9776 ppm	10.6638 ppm	0.4712 ppm	0.5314 ppm	0.4886 ppm
Concentration per Run 2	10.6358 ppm	0.5015 ppm	0.9828 ppm	10.3291 ppm	0.4730 ppm	0.5347 ppm	0.4860 ppm
Concentration per Run 3	10.6284 ppm	0.4997 ppm	0.9855 ppm	10.2995 ppm	0.4742 ppm	0.5364 ppm	0.4892 ppm
Concentration RSD	0.2 %	1.9 %	0.4 %	1.9 %	0.3 %	0.5 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1191 ppm	1.0955 ppm	0.9827 ppm	1.0147 ppm	1.0297 ppm	0.1186 ppm	0.5181 ppm
Concentration per Run 1	0.1165 ppm	1.0933 ppm	0.9780 ppm	1.0358 ppm	1.0286 ppm	0.1187 ppm	0.5171 ppm
Concentration per Run 2	0.1219 ppm	1.0951 ppm	0.9860 ppm	1.0048 ppm	1.0318 ppm	0.1181 ppm	0.5194 ppm
Concentration per Run 3	0.1187 ppm	1.0981 ppm	0.9839 ppm	1.0034 ppm	1.0287 ppm	0.1191 ppm	0.5177 ppm
Concentration RSD	2.3 %	0.2 %	0.4 %	1.8 %	0.2 %	0.5 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4955 ppm	101.7863 %	99.8309 %	96.7470 %	102.6096 %	96.6284 %	102.1882 %
Concentration per Run 1	0.4940 ppm	100.4966 %	99.9098 %	96.8659 %	100.2580 %	96.9681 %	102.2790 %
Concentration per Run 2	0.4966 ppm	102.0957 %	99.6316 %	96.6962 %	103.4177 %	96.4616 %	101.9551 %
Concentration per Run 3	0.4959 ppm	102.7667 %	99.9513 %	96.6788 %	104.1532 %	96.4554 %	102.3304 %
Concentration RSD	0.3 %	1.1 %	0.2 %	0.1 %	2.0 %	0.3 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2120723-2 WG2120723
 Analysis started at: 9/30/2025 13:35:49
 Comments: Si LCS
 Rack: 1
 Vial: 48

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0012 ppm	-0.0005 ppm	-0.0006 ppm	0.0001 ppm	-0.0001 ppm	-0.0016 ppm
Concentration per Run 1	0.0002 ppm	-0.0006 ppm	-0.0009 ppm	-0.0004 ppm	0.0001 ppm	-0.0001 ppm	0.0027 ppm
Concentration per Run 2	0.0003 ppm	-0.0020 ppm	0.0004 ppm	-0.0007 ppm	0.0002 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run 3	0.0000 ppm	0.0062 ppm	-0.0009 ppm	-0.0009 ppm	0.0001 ppm	-0.0001 ppm	-0.0051 ppm
Concentration RSD	93.3 %	368.3 %	153.7 %	37.3 %	42.7 %	47.8 %	254.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0004 ppm	-0.0005 ppm	-0.0046 ppm	0.0053 ppm	-0.0003 ppm
Concentration per Run 1	-0.0002 ppm	-0.0005 ppm	0.0006 ppm	-0.0006 ppm	-0.0053 ppm	-0.0293 ppm	-0.0018 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	-0.0003 ppm	-0.0047 ppm	0.0139 ppm	0.0008 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	0.0003 ppm	-0.0005 ppm	-0.0039 ppm	0.0313 ppm	-0.0001 ppm
Concentration RSD	24.3 %	57.1 %	44.0 %	26.0 %	15.8 %	591.8 %	400.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0035 ppm	0.0014 ppm	0.0001 ppm	0.0369 ppm	-0.0004 ppm	0.0007 ppm	0.0018 ppm
Concentration per Run 1	0.0016 ppm	0.0013 ppm	0.0001 ppm	0.0331 ppm	0.0002 ppm	0.0006 ppm	0.0020 ppm
Concentration per Run 2	0.0028 ppm	0.0015 ppm	0.0001 ppm	0.0331 ppm	-0.0010 ppm	0.0006 ppm	0.0015 ppm
Concentration per Run 3	0.0059 ppm	0.0013 ppm	0.0000 ppm	0.0445 ppm	-0.0005 ppm	0.0010 ppm	0.0020 ppm
Concentration RSD	64.1 %	10.2 %	99.4 %	17.8 %	137.4 %	31.8 %	15.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0004 ppm	1.0228 ppm	0.0003 ppm	0.0001 ppm	-0.0002 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 1	-0.0028 ppm	1.0154 ppm	0.0006 ppm	0.0001 ppm	-0.0001 ppm	-0.0011 ppm	0.0003 ppm
Concentration per Run 2	0.0014 ppm	1.0275 ppm	-0.0002 ppm	0.0002 ppm	-0.0002 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 3	0.0003 ppm	1.0254 ppm	0.0005 ppm	0.0002 ppm	-0.0003 ppm	-0.0010 ppm	0.0002 ppm
Concentration RSD	601.6 %	0.6 %	150.8 %	52.1 %	39.1 %	108.9 %	70.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	102.1695 %	102.5418 %	99.3145 %	103.0736 %	101.3562 %	105.3455 %
Concentration per Run 1	0.0000 ppm	100.4247 %	102.5095 %	99.8296 %	100.3382 %	102.0697 %	105.2356 %
Concentration per Run 2	-0.0003 ppm	102.9291 %	102.5920 %	98.9218 %	103.8084 %	100.8230 %	105.4581 %
Concentration per Run 3	0.0000 ppm	103.1546 %	102.5238 %	99.1921 %	105.0743 %	101.1759 %	105.3428 %
Concentration RSD	127.6 %	1.5 %	0.0 %	0.5 %	2.4 %	0.6 %	0.1 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: L2560609-01D5 WG2120723
 Analysis started at: 9/30/2025 13:40:22
 Comments: <Comment>
 Rack: 1
 Vial: 49

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	2.2804 ppm	0.0035 ppm	0.0121 ppm	0.0002 ppm	-0.0001 ppm	0.6371 ppm
Concentration per Run 1	0.0000 ppm	2.3124 ppm	0.0035 ppm	0.0122 ppm	0.0002 ppm	-0.0001 ppm	0.6396 ppm
Concentration per Run 2	-0.0002 ppm	2.2840 ppm	0.0041 ppm	0.0123 ppm	0.0002 ppm	-0.0001 ppm	0.6381 ppm
Concentration per Run 3	0.0001 ppm	2.2450 ppm	0.0029 ppm	0.0119 ppm	0.0002 ppm	-0.0001 ppm	0.6335 ppm
Concentration RSD	309.5 %	1.5 %	17.9 %	1.7 %	5.5 %	9.7 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0008 ppm	0.0000 ppm	0.0010 ppm	0.0047 ppm	-0.0408 ppm	56.0478 ppm	0.0087 ppm
Concentration per Run 1	-0.0008 ppm	0.0001 ppm	0.0014 ppm	0.0046 ppm	-0.0422 ppm	56.4816 ppm	0.0088 ppm
Concentration per Run 2	-0.0008 ppm	-0.0002 ppm	0.0010 ppm	0.0049 ppm	-0.0408 ppm	55.9966 ppm	0.0085 ppm
Concentration per Run 3	-0.0009 ppm	0.0000 ppm	0.0008 ppm	0.0046 ppm	-0.0394 ppm	55.6653 ppm	0.0088 ppm
Concentration RSD	3.3 %	246.0 %	27.7 %	3.9 %	3.5 %	0.7 %	1.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3089 ppm	0.0002 ppm	0.0170 ppm	1,178.7471 [SIC 500]	-0.0008 ppm	0.0027 ppm	-0.0287 ppm
Concentration per Run 1	0.3100 ppm	0.0002 ppm	0.0169 ppm	1,196.1838 ppm	-0.0013 ppm	0.0036 ppm	-0.0264 ppm
Concentration per Run 2	0.3109 ppm	0.0001 ppm	0.0171 ppm	1,184.8038 ppm	-0.0004 ppm	0.0013 ppm	-0.0301 ppm
Concentration per Run 3	0.3058 ppm	0.0002 ppm	0.0169 ppm	1,155.2538 ppm	-0.0008 ppm	0.0030 ppm	-0.0295 ppm
Concentration RSD	0.9 %	51.2 %	0.5 %	1.8 %	52.2 %	44.3 %	7.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0042 ppm	0.6551 ppm	0.0311 ppm	0.0038 ppm	0.0005 ppm	0.0263 ppm	0.0167 ppm
Concentration per Run 1	-0.0002 ppm	0.6575 ppm	0.0322 ppm	0.0037 ppm	0.0005 ppm	0.0264 ppm	0.0167 ppm
Concentration per Run 2	0.0045 ppm	0.6550 ppm	0.0302 ppm	0.0038 ppm	0.0006 ppm	0.0268 ppm	0.0166 ppm
Concentration per Run 3	0.0084 ppm	0.6528 ppm	0.0308 ppm	0.0037 ppm	0.0004 ppm	0.0256 ppm	0.0166 ppm
Concentration RSD	101.9 %	0.4 %	3.2 %	1.6 %	18.7 %	2.3 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0076 ppm	98.5108 %	88.5274 %	88.7886 %	100.9823 %	80.5613 %	91.3288 %
Concentration per Run 1	0.0076 ppm	98.3907 %	88.2743 %	88.6654 %	100.2378 %	80.4855 %	90.7622 %
Concentration per Run 2	0.0077 ppm	98.0677 %	88.3790 %	88.8524 %	100.7238 %	80.5346 %	91.0422 %
Concentration per Run 3	0.0076 ppm	99.0740 %	88.9288 %	88.8479 %	101.9852 %	80.6639 %	92.1820 %
Concentration RSD	0.5 %	0.5 %	0.4 %	0.1 %	0.9 %	0.1 %	0.8 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2120723-3D5 WG2120723
 Analysis started at: 9/30/2025 13:45:00
 Comments: <Comment>
 Rack: 1
 Vial: 50

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0103 ppm	2.6668 ppm	0.0307 ppm	0.2201 ppm	0.3769 ppm	0.0097 ppm	2.5724 ppm
Concentration per Run 1	0.0104 ppm	2.6676 ppm	0.0310 ppm	0.2205 ppm	0.3796 ppm	0.0098 ppm	2.5884 ppm
Concentration per Run 2	0.0106 ppm	2.6777 ppm	0.0301 ppm	0.2196 ppm	0.3770 ppm	0.0097 ppm	2.5817 ppm
Concentration per Run 3	0.0100 ppm	2.6550 ppm	0.0309 ppm	0.2203 ppm	0.3740 ppm	0.0097 ppm	2.5470 ppm
Concentration RSD	2.6 %	0.4 %	1.6 %	0.2 %	0.7 %	0.8 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0106 ppm	0.0968 ppm	0.0411 ppm	0.0540 ppm	0.1553 ppm	57.8918 ppm	0.0069 ppm
Concentration per Run 1	0.0107 ppm	0.0975 ppm	0.0410 ppm	0.0541 ppm	0.1576 ppm	58.2834 ppm	0.0078 ppm
Concentration per Run 2	0.0106 ppm	0.0967 ppm	0.0414 ppm	0.0538 ppm	0.1549 ppm	57.8993 ppm	0.0062 ppm
Concentration per Run 3	0.0106 ppm	0.0963 ppm	0.0409 ppm	0.0540 ppm	0.1534 ppm	57.4927 ppm	0.0067 ppm
Concentration RSD	0.8 %	0.6 %	0.7 %	0.2 %	1.4 %	0.7 %	11.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.2458 ppm	0.0960 ppm	0.2276 ppm	1,139.1078 [SIC 500]	0.0952 ppm	0.1102 ppm	0.0785 ppm
Concentration per Run 1	2.2439 ppm	0.0968 ppm	0.2284 ppm	1,150.2557 ppm	0.0965 ppm	0.1110 ppm	0.0776 ppm
Concentration per Run 2	2.2488 ppm	0.0962 ppm	0.2267 ppm	1,144.5463 ppm	0.0941 ppm	0.1102 ppm	0.0783 ppm
Concentration per Run 3	2.2447 ppm	0.0950 ppm	0.2277 ppm	1,122.5214 ppm	0.0952 ppm	0.1095 ppm	0.0796 ppm
Concentration RSD	0.1 %	1.0 %	0.4 %	1.3 %	1.3 %	0.7 %	1.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0313 ppm	0.8867 ppm	0.2356 ppm	0.1960 ppm	0.2051 ppm	0.0479 ppm	0.1203 ppm
Concentration per Run 1	0.0318 ppm	0.8915 ppm	0.2352 ppm	0.1974 ppm	0.2044 ppm	0.0487 ppm	0.1199 ppm
Concentration per Run 2	0.0302 ppm	0.8832 ppm	0.2356 ppm	0.1959 ppm	0.2058 ppm	0.0485 ppm	0.1204 ppm
Concentration per Run 3	0.0318 ppm	0.8853 ppm	0.2358 ppm	0.1947 ppm	0.2050 ppm	0.0464 ppm	0.1205 ppm
Concentration RSD	2.9 %	0.5 %	0.1 %	0.7 %	0.3 %	2.7 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1188 ppm	98.0653 %	88.4391 %	89.1363 %	100.4029 %	80.7895 %	90.9281 %
Concentration per Run 1	0.1192 ppm	97.7167 %	88.5143 %	88.7798 %	99.5608 %	80.3909 %	90.9139 %
Concentration per Run 2	0.1186 ppm	98.2218 %	88.3259 %	89.3228 %	100.5339 %	80.9338 %	90.7887 %
Concentration per Run 3	0.1185 ppm	98.2574 %	88.4770 %	89.3062 %	101.1139 %	81.0437 %	91.0819 %
Concentration RSD	0.3 %	0.3 %	0.1 %	0.3 %	0.8 %	0.4 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2120723-4D5 WG2120723
 Analysis started at: 9/30/2025 13:49:30
 Comments: <Comment>
 Rack: 1
 Vial: 51

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	2.2904 ppm	0.0025 ppm	0.0118 ppm	0.0001 ppm	-0.0002 ppm	0.6344 ppm
Concentration per Run 1	-0.0002 ppm	2.3071 ppm	0.0040 ppm	0.0119 ppm	0.0001 ppm	-0.0001 ppm	0.6389 ppm
Concentration per Run 2	0.0002 ppm	2.2791 ppm	-0.0028 ppm	0.0117 ppm	0.0002 ppm	-0.0002 ppm	0.6292 ppm
Concentration per Run 3	-0.0002 ppm	2.2852 ppm	0.0063 ppm	0.0119 ppm	0.0001 ppm	-0.0002 ppm	0.6352 ppm
Concentration RSD	620.2 %	0.6 %	188.3 %	1.2 %	54.3 %	17.2 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0008 ppm	0.0001 ppm	0.0009 ppm	0.0043 ppm	-0.0382 ppm	55.9320 ppm	0.0077 ppm
Concentration per Run 1	-0.0009 ppm	0.0001 ppm	0.0010 ppm	0.0043 ppm	-0.0391 ppm	56.2397 ppm	0.0081 ppm
Concentration per Run 2	-0.0008 ppm	0.0001 ppm	0.0008 ppm	0.0043 ppm	-0.0382 ppm	55.6651 ppm	0.0080 ppm
Concentration per Run 3	-0.0009 ppm	0.0001 ppm	0.0010 ppm	0.0043 ppm	-0.0372 ppm	55.8913 ppm	0.0069 ppm
Concentration RSD	5.0 %	51.1 %	13.9 %	0.8 %	2.4 %	0.5 %	8.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3110 ppm	0.0000 ppm	0.0169 ppm	1,126.4561 [SIC 500]	-0.0008 ppm	0.0016 ppm	-0.0290 ppm
Concentration per Run 1	0.3087 ppm	0.0001 ppm	0.0167 ppm	1,144.5776 ppm	-0.0014 ppm	0.0016 ppm	-0.0289 ppm
Concentration per Run 2	0.3131 ppm	-0.0001 ppm	0.0170 ppm	1,124.8055 ppm	-0.0014 ppm	0.0018 ppm	-0.0285 ppm
Concentration per Run 3	0.3112 ppm	-0.0001 ppm	0.0171 ppm	1,109.9853 ppm	0.0004 ppm	0.0013 ppm	-0.0297 ppm
Concentration RSD	0.7 %	585.7 %	1.2 %	1.5 %	124.4 %	15.2 %	2.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0024 ppm	0.6537 ppm	0.0302 ppm	0.0039 ppm	0.0004 ppm	0.0272 ppm	0.0167 ppm
Concentration per Run 1	0.0054 ppm	0.6548 ppm	0.0312 ppm	0.0040 ppm	0.0004 ppm	0.0259 ppm	0.0168 ppm
Concentration per Run 2	0.0000 ppm	0.6528 ppm	0.0299 ppm	0.0038 ppm	0.0004 ppm	0.0280 ppm	0.0167 ppm
Concentration per Run 3	0.0017 ppm	0.6534 ppm	0.0295 ppm	0.0038 ppm	0.0005 ppm	0.0276 ppm	0.0166 ppm
Concentration RSD	117.8 %	0.2 %	3.0 %	2.3 %	18.0 %	4.0 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0074 ppm	98.5234 %	88.1802 %	89.4267 %	100.7854 %	80.8583 %	90.5373 %
Concentration per Run 1	0.0076 ppm	98.7476 %	88.5375 %	89.4864 %	100.2910 %	80.8214 %	90.7964 %
Concentration per Run 2	0.0072 ppm	98.4176 %	88.0740 %	89.3408 %	101.1060 %	80.8620 %	90.4983 %
Concentration per Run 3	0.0075 ppm	98.4049 %	87.9290 %	89.4529 %	100.9592 %	80.8916 %	90.3171 %
Concentration RSD	2.8 %	0.2 %	0.4 %	0.1 %	0.4 %	0.0 %	0.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2120723-5D5 WG2120723
 Analysis started at: 9/30/2025 13:54:08
 Comments: <Comment>
 Rack: 1
 Vial: 52

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0482 ppm	4.0268 ppm	0.1335 ppm	0.9975 ppm	1.7905 ppm	0.0464 ppm	9.7860 ppm
Concentration per Run 1	0.0485 ppm	4.0741 ppm	0.1313 ppm	0.9913 ppm	1.8064 ppm	0.0469 ppm	9.8967 ppm
Concentration per Run 2	0.0479 ppm	4.0021 ppm	0.1338 ppm	0.9909 ppm	1.7842 ppm	0.0462 ppm	9.7299 ppm
Concentration per Run 3	0.0484 ppm	4.0042 ppm	0.1355 ppm	1.0104 ppm	1.7808 ppm	0.0460 ppm	9.7315 ppm
Concentration RSD	0.7 %	1.0 %	1.6 %	1.1 %	0.8 %	1.0 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0531 ppm	0.4587 ppm	0.1887 ppm	0.2375 ppm	0.8846 ppm	63.3525 ppm	0.0081 ppm
Concentration per Run 1	0.0526 ppm	0.4554 ppm	0.1880 ppm	0.2375 ppm	0.8964 ppm	63.9803 ppm	0.0081 ppm
Concentration per Run 2	0.0526 ppm	0.4558 ppm	0.1885 ppm	0.2354 ppm	0.8792 ppm	63.0753 ppm	0.0081 ppm
Concentration per Run 3	0.0540 ppm	0.4649 ppm	0.1895 ppm	0.2398 ppm	0.8781 ppm	63.0020 ppm	0.0081 ppm
Concentration RSD	1.5 %	1.2 %	0.4 %	0.9 %	1.2 %	0.9 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.4894 ppm	0.4528 ppm	1.0089 ppm	1,091.1080 [SIC 500]	0.4543 ppm	0.5076 ppm	0.4701 ppm
Concentration per Run 1	9.4594 ppm	0.4589 ppm	1.0011 ppm	1,097.6305 ppm	0.4521 ppm	0.5063 ppm	0.4657 ppm
Concentration per Run 2	9.4625 ppm	0.4505 ppm	1.0032 ppm	1,109.9033 ppm	0.4507 ppm	0.5029 ppm	0.4684 ppm
Concentration per Run 3	9.5463 ppm	0.4491 ppm	1.0224 ppm	1,065.7903 ppm	0.4601 ppm	0.5136 ppm	0.4761 ppm
Concentration RSD	0.5 %	1.2 %	1.2 %	2.1 %	1.1 %	1.1 %	1.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1317 ppm	1.6140 ppm	1.0092 [SIC 20]	0.9191 ppm	0.9697 ppm	0.1286 ppm	0.5032 ppm
Concentration per Run 1	0.1315 ppm	1.6067 ppm	1.0027 ppm	0.9274 ppm	0.9688 ppm	0.1262 ppm	0.5025 ppm
Concentration per Run 2	0.1321 ppm	1.6027 ppm	1.0001 ppm	0.9153 ppm	0.9641 ppm	0.1284 ppm	0.4998 ppm
Concentration per Run 3	0.1316 ppm	1.6325 ppm	1.0247 ppm	0.9144 ppm	0.9762 ppm	0.1312 ppm	0.5072 ppm
Concentration RSD	0.3 %	1.0 %	1.3 %	0.8 %	0.6 %	1.9 %	0.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5286 ppm	98.3036 %	89.0346 %	89.3939 %	100.4914 %	80.8977 %	91.4546 %
Concentration per Run 1	0.5246 ppm	97.8931 %	89.1398 %	90.1409 %	99.4459 %	81.3588 %	91.4457 %
Concentration per Run 2	0.5246 ppm	99.1343 %	89.3775 %	90.1189 %	101.3705 %	81.3943 %	92.2753 %
Concentration per Run 3	0.5365 ppm	97.8834 %	88.5864 %	87.9218 %	100.6580 %	79.9400 %	90.6428 %
Concentration RSD	1.3 %	0.7 %	0.5 %	1.4 %	1.0 %	1.0 %	0.9 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: WG2120723-6D25 WG2120723
 Analysis started at: 9/30/2025 13:58:28
 Comments: <Comment>
 Rack: 1
 Vial: 53

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.4580 ppm	0.0000 ppm	0.0028 ppm	0.0001 ppm	-0.0001 ppm	0.1340 ppm
Concentration per Run 1	-0.0004 ppm	0.4603 ppm	0.0001 ppm	0.0028 ppm	0.0001 ppm	-0.0001 ppm	0.1357 ppm
Concentration per Run 2	-0.0002 ppm	0.4527 ppm	0.0021 ppm	0.0029 ppm	0.0002 ppm	-0.0002 ppm	0.1296 ppm
Concentration per Run 3	0.0003 ppm	0.4611 ppm	-0.0021 ppm	0.0028 ppm	0.0000 ppm	-0.0001 ppm	0.1367 ppm
Concentration RSD	352.3 %	1.0 %	24,526.5 %	2.4 %	173.8 %	27.3 %	2.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0001 ppm	0.0005 ppm	0.0010 ppm	-0.0123 ppm	11.0089 ppm	0.0010 ppm
Concentration per Run 1	-0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0013 ppm	-0.0117 ppm	11.0141 ppm	0.0010 ppm
Concentration per Run 2	-0.0002 ppm	0.0003 ppm	0.0004 ppm	0.0010 ppm	-0.0128 ppm	10.8745 ppm	0.0012 ppm
Concentration per Run 3	-0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0008 ppm	-0.0124 ppm	11.1380 ppm	0.0008 ppm
Concentration RSD	14.0 %	137.7 %	28.4 %	24.8 %	4.7 %	1.2 %	16.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0680 ppm	0.0004 ppm	0.0032 ppm	251.1092 ppm	0.0000 ppm	0.0020 ppm	-0.0046 ppm
Concentration per Run 1	0.0691 ppm	0.0005 ppm	0.0033 ppm	252.7270 ppm	0.0000 ppm	0.0016 ppm	-0.0038 ppm
Concentration per Run 2	0.0661 ppm	0.0003 ppm	0.0030 ppm	249.3015 ppm	0.0001 ppm	0.0026 ppm	-0.0052 ppm
Concentration per Run 3	0.0688 ppm	0.0002 ppm	0.0033 ppm	251.2990 ppm	0.0000 ppm	0.0017 ppm	-0.0047 ppm
Concentration RSD	2.4 %	44.0 %	4.7 %	0.7 %	1,101.0 %	27.4 %	15.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	0.1338 ppm	0.0067 ppm	0.0009 ppm	-0.0001 ppm	0.0049 ppm	0.0032 ppm
Concentration per Run 1	0.0008 ppm	0.1329 ppm	0.0077 ppm	0.0009 ppm	-0.0002 ppm	0.0055 ppm	0.0032 ppm
Concentration per Run 2	-0.0002 ppm	0.1330 ppm	0.0065 ppm	0.0009 ppm	0.0001 ppm	0.0045 ppm	0.0033 ppm
Concentration per Run 3	-0.0015 ppm	0.1354 ppm	0.0058 ppm	0.0010 ppm	-0.0002 ppm	0.0046 ppm	0.0032 ppm
Concentration RSD	390.8 %	1.0 %	14.5 %	5.3 %	136.1 %	12.3 %	1.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0016 ppm	99.7220 %	95.3808 %	93.8030 %	101.7047 %	90.1641 %	98.1531 %
Concentration per Run 1	0.0016 ppm	100.2027 %	95.2888 %	94.4484 %	101.6763 %	90.4002 %	98.0475 %
Concentration per Run 2	0.0017 ppm	100.3307 %	95.2204 %	93.7689 %	102.7624 %	90.6005 %	98.0257 %
Concentration per Run 3	0.0016 ppm	98.6325 %	95.6331 %	93.1915 %	100.6755 %	89.4917 %	98.3863 %
Concentration RSD	2.3 %	0.9 %	0.2 %	0.7 %	1.0 %	0.7 %	0.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCV
 Analysis started at: 9/30/2025 14:12:50
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4740 ppm	0.4754 ppm	0.4570 ppm	0.4569 ppm	0.4808 ppm	0.5008 ppm	0.4992 ppm
Concentration per Run 1	0.4768 ppm	0.4898 ppm	0.4576 ppm	0.4578 ppm	0.4899 ppm	0.5103 ppm	0.5094 ppm
Concentration per Run 2	0.4747 ppm	0.4787 ppm	0.4560 ppm	0.4561 ppm	0.4762 ppm	0.4964 ppm	0.4980 ppm
Concentration per Run 3	0.4706 ppm	0.4576 ppm	0.4573 ppm	0.4567 ppm	0.4762 ppm	0.4958 ppm	0.4901 ppm
Recovery Percentage 1	94.806 %	95.076 %	91.390 %	91.371 %	96.153 %	100.166 %	99.838 %
Concentration RSD	0.7 %	3.4 %	0.2 %	0.2 %	1.6 %	1.6 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4906 ppm	0.4726 ppm	0.5135 ppm	0.4796 ppm	0.5115 ppm	5.1211 ppm	0.4962 ppm
Concentration per Run 1	0.4917 ppm	0.4743 ppm	0.5172 ppm	0.4823 ppm	0.5198 ppm	5.2462 ppm	0.5054 ppm
Concentration per Run 2	0.4898 ppm	0.4719 ppm	0.5134 ppm	0.4802 ppm	0.5047 ppm	5.0445 ppm	0.4916 ppm
Concentration per Run 3	0.4904 ppm	0.4716 ppm	0.5097 ppm	0.4764 ppm	0.5101 ppm	5.0727 ppm	0.4917 ppm
Recovery Percentage 1	98.127 %	94.519 %	102.692 %	95.929 %	102.305 %	102.422 %	99.241 %
Concentration RSD	0.2 %	0.3 %	0.7 %	0.6 %	1.5 %	2.1 %	1.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5253 ppm	0.5073 ppm	0.4675 ppm	9.8857 ppm	0.4681 ppm	0.4978 ppm	0.4723 ppm
Concentration per Run 1	0.5290 ppm	0.5166 ppm	0.4688 ppm	10.0600 ppm	0.4707 ppm	0.4993 ppm	0.4739 ppm
Concentration per Run 2	0.5244 ppm	0.5032 ppm	0.4669 ppm	9.7942 ppm	0.4676 ppm	0.4979 ppm	0.4705 ppm
Concentration per Run 3	0.5226 ppm	0.5020 ppm	0.4667 ppm	9.8030 ppm	0.4661 ppm	0.4960 ppm	0.4726 ppm
Recovery Percentage 1	105.064 %	101.457 %	93.495 %	98.857 %	93.626 %	99.550 %	94.466 %
Concentration RSD	0.6 %	1.6 %	0.2 %	1.5 %	0.5 %	0.3 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4772 ppm	5.2394 ppm	0.4759 ppm	0.4896 ppm	0.5038 ppm	0.4861 ppm	0.5132 ppm
Concentration per Run 1	0.4744 ppm	5.2494 ppm	0.4779 ppm	0.4991 ppm	0.5064 ppm	0.4873 ppm	0.5175 ppm
Concentration per Run 2	0.4747 ppm	5.2317 ppm	0.4749 ppm	0.4853 ppm	0.5041 ppm	0.4872 ppm	0.5127 ppm
Concentration per Run 3	0.4826 ppm	5.2371 ppm	0.4748 ppm	0.4845 ppm	0.5009 ppm	0.4837 ppm	0.5094 ppm
Recovery Percentage 1	95.448 %	99.798 %	95.178 %	97.928 %	100.754 %	97.213 %	102.640 %
Concentration RSD	1.0 %	0.2 %	0.4 %	1.7 %	0.6 %	0.4 %	0.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5024 ppm	96.2068 %	99.2637 %	98.2976 %	97.0336 %	99.0681 %	102.1784 %
Concentration per Run 1	0.5034 ppm	95.4076 %	98.6809 %	98.5583 %	95.4787 %	98.9884 %	101.1205 %
Concentration per Run 2	0.5021 ppm	96.7002 %	99.3891 %	98.3421 %	97.8418 %	99.2430 %	101.9690 %
Concentration per Run 3	0.5018 ppm	96.5126 %	99.7212 %	97.9924 %	97.7802 %	98.9728 %	103.4455 %
Recovery Percentage 1	100.487 %						
Concentration RSD	0.2 %	0.7 %	0.5 %	0.3 %	1.4 %	0.2 %	1.2 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCB
 Analysis started at: 9/30/2025 14:17:05
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0037 ppm	0.0008 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 1	0.0001 ppm	-0.0073 ppm	-0.0004 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0061 ppm
Concentration per Run 2	0.0000 ppm	-0.0094 ppm	0.0012 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 3	0.0001 ppm	0.0054 ppm	0.0017 ppm	-0.0002 ppm	-0.0001 ppm	-0.0001 ppm	-0.0074 ppm
Recovery Percentage 1	1.129 %	-3.736 %	16.855 %	-1.027 %	-0.429 %	-0.692 %	0.059 %
Concentration RSD	155.3 %	214.6 %	133.9 %	45.4 %	151.8 %	155.4 %	11,646.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0002 ppm	-0.0011 ppm	-0.0018 ppm	0.0422 ppm	-0.0002 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	0.0002 ppm	-0.0020 ppm	-0.0018 ppm	0.0642 ppm	-0.0005 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0009 ppm	-0.0007 ppm	0.0342 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0007 ppm	-0.0005 ppm	-0.0029 ppm	0.0282 ppm	0.0006 ppm
Recovery Percentage 1	-1.230 %	-1.568 %	2.452 %	-11.403 %	-3.613 %	1.687 %	-1.831 %
Concentration RSD	34.0 %	112.5 %	194.7 %	69.3 %	60.8 %	45.7 %	370.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0018 ppm	-0.0001 ppm	-0.0004 ppm	0.1962 ppm	-0.0003 ppm	0.0017 ppm	0.0013 ppm
Concentration per Run 1	-0.0028 ppm	-0.0002 ppm	-0.0004 ppm	0.1901 ppm	-0.0007 ppm	0.0022 ppm	0.0002 ppm
Concentration per Run 2	-0.0018 ppm	-0.0001 ppm	-0.0004 ppm	0.1972 ppm	0.0000 ppm	0.0018 ppm	0.0021 ppm
Concentration per Run 3	-0.0009 ppm	0.0000 ppm	-0.0003 ppm	0.2013 ppm	-0.0001 ppm	0.0011 ppm	0.0014 ppm
Recovery Percentage 1	-1.821 %	-0.819 %	-0.733 %	9.811 %	-1.095 %	16.849 %	2.506 %
Concentration RSD	52.9 %	132.2 %	14.5 %	2.9 %	148.9 %	32.1 %	73.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0010 ppm	-0.0004 ppm	-0.0003 ppm	-0.0001 ppm	-0.0003 ppm	-0.0007 ppm	0.0003 ppm
Concentration per Run 1	0.0004 ppm	0.0006 ppm	-0.0005 ppm	-0.0001 ppm	-0.0001 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 2	-0.0021 ppm	-0.0009 ppm	-0.0005 ppm	-0.0001 ppm	-0.0003 ppm	-0.0002 ppm	0.0004 ppm
Concentration per Run 3	-0.0014 ppm	-0.0008 ppm	0.0001 ppm	0.0000 ppm	-0.0005 ppm	-0.0013 ppm	0.0003 ppm
Recovery Percentage 1	-10.156 %	-0.071 %	-0.577 %	-0.566 %	-2.653 %	-3.453 %	2.805 %
Concentration RSD	129.7 %	227.3 %	120.9 %	28.9 %	74.7 %	78.7 %	50.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	95.5546 %	96.5744 %	97.8300 %	95.4231 %	100.9403 %	98.0986 %
Concentration per Run 1	0.0007 ppm	95.3609 %	92.1247 %	98.3303 %	94.4193 %	101.4671 %	93.7687 %
Concentration per Run 2	0.0010 ppm	95.7669 %	98.7677 %	97.5816 %	95.7806 %	100.6967 %	100.1503 %
Concentration per Run 3	0.0006 ppm	95.5361 %	98.8307 %	97.5781 %	96.0694 %	100.6572 %	100.3768 %
Recovery Percentage 1	15.624 %						
Concentration RSD	27.1 %	0.2 %	4.0 %	0.4 %	0.9 %	0.5 %	3.8 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: eL2560609-01D20 WG2120723
 Analysis started at: 9/30/2025 14:22:02
 Comments: <Comment>
 Rack: 1
 Vial: 54

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.5846 ppm	0.0004 ppm	0.0031 ppm	0.0000 ppm	-0.0001 ppm	0.1728 ppm
Concentration per Run 1	0.0004 ppm	0.5968 ppm	-0.0029 ppm	0.0028 ppm	0.0000 ppm	-0.0001 ppm	0.1753 ppm
Concentration per Run 2	0.0004 ppm	0.5808 ppm	0.0019 ppm	0.0034 ppm	-0.0001 ppm	-0.0001 ppm	0.1748 ppm
Concentration per Run 3	-0.0001 ppm	0.5761 ppm	0.0023 ppm	0.0031 ppm	0.0000 ppm	-0.0002 ppm	0.1684 ppm
Concentration RSD	117.9 %	1.8 %	668.4 %	9.5 %	121.3 %	22.4 %	2.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0003 ppm	0.0002 ppm	0.0005 ppm	0.0008 ppm	-0.0153 ppm	14.1076 ppm	0.0026 ppm
Concentration per Run 1	-0.0002 ppm	-0.0001 ppm	0.0005 ppm	0.0006 ppm	-0.0148 ppm	14.1720 ppm	0.0020 ppm
Concentration per Run 2	-0.0002 ppm	0.0002 ppm	0.0005 ppm	0.0009 ppm	-0.0169 ppm	14.0892 ppm	0.0035 ppm
Concentration per Run 3	-0.0003 ppm	0.0004 ppm	0.0005 ppm	0.0009 ppm	-0.0141 ppm	14.0617 ppm	0.0024 ppm
Concentration RSD	15.5 %	141.9 %	4.4 %	20.6 %	9.5 %	0.4 %	30.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0860 ppm	0.0001 ppm	0.0037 ppm	330.9620 ppm	-0.0008 ppm	0.0018 ppm	-0.0064 ppm
Concentration per Run 1	0.0843 ppm	0.0000 ppm	0.0038 ppm	337.1866 ppm	-0.0004 ppm	0.0023 ppm	-0.0064 ppm
Concentration per Run 2	0.0826 ppm	0.0004 ppm	0.0037 ppm	328.5175 ppm	-0.0004 ppm	0.0019 ppm	-0.0045 ppm
Concentration per Run 3	0.0912 ppm	0.0000 ppm	0.0036 ppm	327.1818 ppm	-0.0016 ppm	0.0011 ppm	-0.0085 ppm
Concentration RSD	5.3 %	173.9 %	3.2 %	1.6 %	88.5 %	34.4 %	31.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0016 ppm	0.1628 ppm	0.0077 ppm	0.0009 ppm	-0.0004 ppm	0.0075 ppm	0.0044 ppm
Concentration per Run 1	0.0022 ppm	0.1632 ppm	0.0071 ppm	0.0009 ppm	-0.0004 ppm	0.0081 ppm	0.0044 ppm
Concentration per Run 2	0.0017 ppm	0.1624 ppm	0.0083 ppm	0.0009 ppm	-0.0003 ppm	0.0078 ppm	0.0046 ppm
Concentration per Run 3	0.0008 ppm	0.1628 ppm	0.0077 ppm	0.0009 ppm	-0.0006 ppm	0.0065 ppm	0.0041 ppm
Concentration RSD	44.0 %	0.3 %	8.0 %	1.1 %	42.0 %	11.6 %	5.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0023 ppm	92.2958 %	90.2013 %	91.3958 %	94.3991 %	87.8948 %	92.3089 %
Concentration per Run 1	0.0024 ppm	92.3731 %	91.5644 %	91.1976 %	93.9936 %	87.9266 %	N/A
Concentration per Run 2	0.0022 ppm	92.3356 %	89.1958 %	91.4215 %	94.6212 %	87.8666 %	91.8577 %
Concentration per Run 3	0.0023 ppm	92.1786 %	89.8437 %	91.5683 %	94.5826 %	87.8914 %	92.7601 %
Concentration RSD	2.8 %	0.1 %	1.4 %	0.2 %	0.4 %	0.0 %	0.7 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: eWG2120723-3D20 WG2120723
 Analysis started at: 9/30/2025 14:26:42
 Comments: <Comment>
 Rack: 1
 Vial: 55

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0021 ppm	0.6503 ppm	0.0101 ppm	0.0515 ppm	0.0912 ppm	0.0023 ppm	0.6432 ppm
Concentration per Run 1	0.0022 ppm	0.6709 ppm	0.0128 ppm	0.0515 ppm	0.0933 ppm	0.0024 ppm	0.6570 ppm
Concentration per Run 2	0.0020 ppm	0.6682 ppm	0.0101 ppm	0.0513 ppm	0.0926 ppm	0.0024 ppm	0.6572 ppm
Concentration per Run 3	0.0020 ppm	0.6119 ppm	0.0074 ppm	0.0515 ppm	0.0876 ppm	0.0022 ppm	0.6154 ppm
Concentration RSD	4.2 %	5.1 %	26.8 %	0.2 %	3.4 %	5.3 %	3.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0025 ppm	0.0232 ppm	0.0107 ppm	0.0128 ppm	0.0331 ppm	13.7172 ppm	0.0020 ppm
Concentration per Run 1	0.0025 ppm	0.0234 ppm	0.0105 ppm	0.0130 ppm	0.0333 ppm	14.0113 ppm	0.0023 ppm
Concentration per Run 2	0.0025 ppm	0.0232 ppm	0.0107 ppm	0.0127 ppm	0.0339 ppm	13.9000 ppm	0.0015 ppm
Concentration per Run 3	0.0026 ppm	0.0230 ppm	0.0110 ppm	0.0128 ppm	0.0321 ppm	13.2404 ppm	0.0021 ppm
Concentration RSD	1.4 %	0.8 %	2.3 %	0.9 %	2.9 %	3.0 %	21.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5990 ppm	0.0235 ppm	0.0526 ppm	305.2552 ppm	0.0223 ppm	0.0276 ppm	0.0179 ppm
Concentration per Run 1	0.6014 ppm	0.0241 ppm	0.0526 ppm	313.0336 ppm	0.0234 ppm	0.0271 ppm	0.0179 ppm
Concentration per Run 2	0.5982 ppm	0.0239 ppm	0.0525 ppm	309.3316 ppm	0.0217 ppm	0.0284 ppm	0.0178 ppm
Concentration per Run 3	0.5973 ppm	0.0224 ppm	0.0527 ppm	293.4004 ppm	0.0217 ppm	0.0274 ppm	0.0181 ppm
Concentration RSD	0.4 %	3.9 %	0.2 %	3.4 %	4.3 %	2.4 %	0.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0081 ppm	0.2068 ppm	0.0565 ppm	0.0474 ppm	0.0505 ppm	0.0123 ppm	0.0299 ppm
Concentration per Run 1	0.0090 ppm	0.2071 ppm	0.0569 ppm	0.0486 ppm	0.0505 ppm	0.0131 ppm	0.0298 ppm
Concentration per Run 2	0.0092 ppm	0.2072 ppm	0.0566 ppm	0.0481 ppm	0.0503 ppm	0.0114 ppm	0.0302 ppm
Concentration per Run 3	0.0061 ppm	0.2060 ppm	0.0561 ppm	0.0454 ppm	0.0508 ppm	0.0124 ppm	0.0299 ppm
Concentration RSD	21.3 %	0.3 %	0.7 %	3.6 %	0.5 %	6.9 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0282 ppm	94.8180 %	91.3206 %	93.1161 %	96.6535 %	89.5821 %	93.8460 %
Concentration per Run 1	0.0284 ppm	93.6569 %	91.0088 %	93.3434 %	94.9561 %	89.5344 %	93.1447 %
Concentration per Run 2	0.0280 ppm	93.0343 %	91.3926 %	93.2802 %	95.1545 %	89.7278 %	94.0477 %
Concentration per Run 3	0.0282 ppm	97.7626 %	91.5602 %	92.7247 %	99.8499 %	89.4840 %	94.3457 %
Concentration RSD	0.8 %	2.7 %	0.3 %	0.4 %	2.9 %	0.1 %	0.7 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: eWG2120723-4D20 WG2120723
 Analysis started at: 9/30/2025 14:31:20
 Comments: <Comment>
 Rack: 1
 Vial: 56

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.5618 ppm	0.0007 ppm	0.0031 ppm	0.0000 ppm	-0.0001 ppm	0.1596 ppm
Concentration per Run 1	0.0001 ppm	0.5709 ppm	-0.0015 ppm	0.0034 ppm	0.0000 ppm	-0.0002 ppm	0.1606 ppm
Concentration per Run 2	-0.0002 ppm	0.5696 ppm	-0.0010 ppm	0.0028 ppm	0.0002 ppm	-0.0001 ppm	0.1619 ppm
Concentration per Run 3	-0.0006 ppm	0.5449 ppm	0.0047 ppm	0.0031 ppm	-0.0002 ppm	-0.0001 ppm	0.1565 ppm
Concentration RSD	139.6 %	2.6 %	476.2 %	10.4 %	588.1 %	18.7 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0003 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	-0.0144 ppm	13.3456 ppm	0.0014 ppm
Concentration per Run 1	-0.0003 ppm	-0.0003 ppm	0.0003 ppm	0.0002 ppm	-0.0157 ppm	13.5478 ppm	0.0017 ppm
Concentration per Run 2	-0.0002 ppm	0.0002 ppm	0.0003 ppm	0.0009 ppm	-0.0145 ppm	13.5019 ppm	0.0020 ppm
Concentration per Run 3	-0.0003 ppm	0.0002 ppm	0.0003 ppm	0.0006 ppm	-0.0129 ppm	12.9872 ppm	0.0004 ppm
Concentration RSD	13.4 %	7,971.6 %	16.3 %	57.7 %	9.9 %	2.3 %	61.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0862 ppm	-0.0001 ppm	0.0034 ppm	311.2529 ppm	-0.0009 ppm	0.0019 ppm	-0.0063 ppm
Concentration per Run 1	0.0877 ppm	0.0003 ppm	0.0034 ppm	318.4547 ppm	-0.0007 ppm	0.0009 ppm	-0.0065 ppm
Concentration per Run 2	0.0860 ppm	-0.0005 ppm	0.0033 ppm	310.1355 ppm	-0.0014 ppm	0.0024 ppm	-0.0065 ppm
Concentration per Run 3	0.0850 ppm	-0.0002 ppm	0.0036 ppm	305.1686 ppm	-0.0008 ppm	0.0022 ppm	-0.0058 ppm
Concentration RSD	1.6 %	291.5 %	3.9 %	2.2 %	42.3 %	43.0 %	6.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	0.1560 ppm	0.0070 ppm	0.0009 ppm	-0.0003 ppm	0.0071 ppm	0.0041 ppm
Concentration per Run 1	-0.0005 ppm	0.1564 ppm	0.0070 ppm	0.0009 ppm	-0.0002 ppm	0.0067 ppm	0.0042 ppm
Concentration per Run 2	0.0016 ppm	0.1560 ppm	0.0071 ppm	0.0009 ppm	-0.0005 ppm	0.0070 ppm	0.0041 ppm
Concentration per Run 3	0.0021 ppm	0.1558 ppm	0.0067 ppm	0.0008 ppm	-0.0003 ppm	0.0077 ppm	0.0039 ppm
Concentration RSD	129.8 %	0.2 %	3.2 %	2.4 %	49.8 %	6.9 %	3.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0019 ppm	94.7266 %	91.2154 %	93.1608 %	96.7786 %	89.7328 %	94.1834 %
Concentration per Run 1	0.0018 ppm	93.5380 %	90.1630 %	93.1474 %	95.3025 %	89.5941 %	92.8189 %
Concentration per Run 2	0.0021 ppm	93.8999 %	91.6712 %	93.4659 %	96.3317 %	89.6925 %	94.7504 %
Concentration per Run 3	0.0019 ppm	96.7419 %	91.8120 %	92.8689 %	98.7015 %	89.9117 %	94.9809 %
Concentration RSD	8.8 %	1.9 %	1.0 %	0.3 %	1.8 %	0.2 %	1.3 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: eWG2120723-5D20 WG2120723
 Analysis started at: 9/30/2025 14:36:01
 Comments: <Comment>
 Rack: 1
 Vial: 57

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0440 ppm	2.3254 ppm	0.1133 ppm	0.9011 ppm	1.7176 ppm	0.0451 ppm	9.1887 ppm
Concentration per Run 1	0.0442 ppm	2.3387 ppm	0.1140 ppm	0.9013 ppm	1.7327 ppm	0.0455 ppm	9.2556 ppm
Concentration per Run 2	0.0433 ppm	2.3249 ppm	0.1124 ppm	0.9020 ppm	1.7144 ppm	0.0451 ppm	9.1676 ppm
Concentration per Run 3	0.0445 ppm	2.3127 ppm	0.1135 ppm	0.9001 ppm	1.7057 ppm	0.0449 ppm	9.1430 ppm
Concentration RSD	1.4 %	0.6 %	0.7 %	0.1 %	0.8 %	0.7 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0495 ppm	0.4260 ppm	0.1841 ppm	0.2173 ppm	0.8851 ppm	22.3253 ppm	0.0016 ppm
Concentration per Run 1	0.0495 ppm	0.4258 ppm	0.1847 ppm	0.2179 ppm	0.8914 ppm	22.5446 ppm	0.0014 ppm
Concentration per Run 2	0.0495 ppm	0.4262 ppm	0.1825 ppm	0.2152 ppm	0.8827 ppm	22.2534 ppm	0.0017 ppm
Concentration per Run 3	0.0495 ppm	0.4260 ppm	0.1852 ppm	0.2187 ppm	0.8813 ppm	22.1780 ppm	0.0016 ppm
Concentration RSD	0.1 %	0.0 %	0.8 %	0.8 %	0.6 %	0.9 %	9.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.4990 ppm	0.4420 ppm	0.9053 ppm	303.2846 ppm	0.4204 ppm	0.4777 ppm	0.4282 ppm
Concentration per Run 1	9.5019 ppm	0.4455 ppm	0.9054 ppm	305.3521 ppm	0.4200 ppm	0.4759 ppm	0.4263 ppm
Concentration per Run 2	9.4232 ppm	0.4416 ppm	0.9059 ppm	304.6251 ppm	0.4204 ppm	0.4784 ppm	0.4284 ppm
Concentration per Run 3	9.5719 ppm	0.4388 ppm	0.9047 ppm	299.8768 ppm	0.4208 ppm	0.4788 ppm	0.4299 ppm
Concentration RSD	0.8 %	0.8 %	0.1 %	1.0 %	0.1 %	0.3 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1122 ppm	1.0217 ppm	0.9160 ppm	0.8795 ppm	0.9336 ppm	0.1077 ppm	0.4726 ppm
Concentration per Run 1	0.1114 ppm	1.0218 ppm	0.9138 ppm	0.8869 ppm	0.9356 ppm	0.1066 ppm	0.4731 ppm
Concentration per Run 2	0.1137 ppm	1.0226 ppm	0.9156 ppm	0.8785 ppm	0.9247 ppm	0.1071 ppm	0.4674 ppm
Concentration per Run 3	0.1115 ppm	1.0208 ppm	0.9187 ppm	0.8732 ppm	0.9404 ppm	0.1095 ppm	0.4772 ppm
Concentration RSD	1.1 %	0.1 %	0.3 %	0.8 %	0.9 %	1.4 %	1.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4834 ppm	94.5594 %	92.7186 %	93.6537 %	96.2769 %	89.9257 %	95.6912 %
Concentration per Run 1	0.4829 ppm	94.1853 %	92.7077 %	93.7270 %	95.4320 %	90.0056 %	95.4728 %
Concentration per Run 2	0.4836 ppm	94.5373 %	93.3621 %	93.5487 %	96.5305 %	89.8293 %	97.1257 %
Concentration per Run 3	0.4835 ppm	94.9555 %	92.0861 %	93.6853 %	96.8681 %	89.9422 %	94.4751 %
Concentration RSD	0.1 %	0.4 %	0.7 %	0.1 %	0.8 %	0.1 %	1.4 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: eWG2120723-6D100 WG2120723
 Analysis started at: 9/30/2025 14:40:23
 Comments: <Comment>
 Rack: 1
 Vial: 58

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.1059 ppm	0.0005 ppm	0.0007 ppm	0.0002 ppm	-0.0001 ppm	0.0400 ppm
Concentration per Run 1	0.0003 ppm	0.1044 ppm	0.0027 ppm	0.0008 ppm	0.0002 ppm	-0.0001 ppm	0.0386 ppm
Concentration per Run 2	0.0001 ppm	0.1096 ppm	-0.0011 ppm	0.0007 ppm	0.0001 ppm	-0.0002 ppm	0.0427 ppm
Concentration per Run 3	-0.0001 ppm	0.1038 ppm	0.0000 ppm	0.0006 ppm	0.0004 ppm	-0.0001 ppm	0.0389 ppm
Concentration RSD	220.9 %	3.0 %	367.1 %	15.1 %	53.5 %	59.2 %	5.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0003 ppm	-0.0005 ppm	-0.0053 ppm	2.6618 ppm	0.0000 ppm
Concentration per Run 1	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	-0.0008 ppm	-0.0042 ppm	2.6866 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	-0.0004 ppm	0.0001 ppm	-0.0004 ppm	-0.0040 ppm	2.6295 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0005 ppm	-0.0005 ppm	-0.0077 ppm	2.6692 ppm	-0.0003 ppm
Concentration RSD	31.2 %	80.1 %	72.9 %	37.5 %	39.6 %	1.1 %	957.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0192 ppm	-0.0002 ppm	0.0006 ppm	63.5400 ppm	-0.0007 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run 1	0.0189 ppm	0.0002 ppm	0.0005 ppm	64.3566 ppm	-0.0014 ppm	0.0002 ppm	0.0005 ppm
Concentration per Run 2	0.0174 ppm	-0.0005 ppm	0.0006 ppm	63.2484 ppm	0.0001 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 3	0.0212 ppm	-0.0001 ppm	0.0006 ppm	63.0152 ppm	-0.0009 ppm	0.0024 ppm	0.0002 ppm
Concentration RSD	10.0 %	218.7 %	10.6 %	1.1 %	101.7 %	127.4 %	47.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	0.0365 ppm	0.0009 ppm	0.0002 ppm	-0.0002 ppm	0.0012 ppm	0.0009 ppm
Concentration per Run 1	0.0029 ppm	0.0373 ppm	0.0021 ppm	0.0002 ppm	-0.0003 ppm	0.0016 ppm	0.0010 ppm
Concentration per Run 2	0.0013 ppm	0.0353 ppm	0.0007 ppm	0.0003 ppm	0.0000 ppm	0.0003 ppm	0.0008 ppm
Concentration per Run 3	0.0001 ppm	0.0369 ppm	-0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0016 ppm	0.0009 ppm
Concentration RSD	100.1 %	2.9 %	126.0 %	11.3 %	91.4 %	63.8 %	9.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	95.7699 %	95.6533 %	96.7026 %	97.0355 %	97.5053 %	98.3782 %
Concentration per Run 1	0.0006 ppm	95.4070 %	94.2343 %	96.8810 %	96.0422 %	97.5705 %	96.6479 %
Concentration per Run 2	0.0005 ppm	96.3678 %	96.4626 %	97.1299 %	97.8557 %	98.2847 %	99.3610 %
Concentration per Run 3	0.0005 ppm	95.5351 %	96.2632 %	96.0970 %	97.2087 %	96.6607 %	99.1259 %
Concentration RSD	8.2 %	0.5 %	1.3 %	0.6 %	0.9 %	0.8 %	1.5 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCV
Analysis started at: 9/30/2025 14:44:56
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4680 ppm	0.4767 ppm	0.4548 ppm	0.4556 ppm	0.4738 ppm	0.4953 ppm	0.4862 ppm
Concentration per Run 1	0.4701 ppm	0.4838 ppm	0.4548 ppm	0.4562 ppm	0.4804 ppm	0.5018 ppm	0.4967 ppm
Concentration per Run 2	0.4518 ppm	0.4756 ppm	0.4553 ppm	0.4563 ppm	0.4711 ppm	0.4924 ppm	0.4858 ppm
Concentration per Run 3	0.4819 ppm	0.4707 ppm	0.4544 ppm	0.4542 ppm	0.4700 ppm	0.4918 ppm	0.4763 ppm
Recovery Percentage 1	93.591 %	95.340 %	90.966 %	91.116 %	94.766 %	99.065 %	97.249 %
Concentration RSD	3.2 %	1.4 %	0.1 %	0.3 %	1.2 %	1.1 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4895 ppm	0.4684 ppm	0.5093 ppm	0.4733 ppm	0.5033 ppm	5.0218 ppm	0.4879 ppm
Concentration per Run 1	0.4896 ppm	0.4687 ppm	0.5122 ppm	0.4765 ppm	0.5096 ppm	5.1210 ppm	0.4940 ppm
Concentration per Run 2	0.4893 ppm	0.4680 ppm	0.4905 ppm	0.4565 ppm	0.4998 ppm	4.9707 ppm	0.4833 ppm
Concentration per Run 3	0.4895 ppm	0.4685 ppm	0.5251 ppm	0.4868 ppm	0.5006 ppm	4.9735 ppm	0.4864 ppm
Recovery Percentage 1	97.892 %	93.678 %	101.855 %	94.650 %	100.664 %	100.435 %	97.583 %
Concentration RSD	0.0 %	0.1 %	3.4 %	3.3 %	1.1 %	1.7 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5247 ppm	0.5020 ppm	0.4657 ppm	9.5518 ppm	0.4631 ppm	0.4982 ppm	0.4691 ppm
Concentration per Run 1	0.5270 ppm	0.5087 ppm	0.4663 ppm	9.6774 ppm	0.4634 ppm	0.4979 ppm	0.4691 ppm
Concentration per Run 2	0.5053 ppm	0.4998 ppm	0.4660 ppm	9.4830 ppm	0.4631 ppm	0.4974 ppm	0.4695 ppm
Concentration per Run 3	0.5420 ppm	0.4975 ppm	0.4649 ppm	9.4950 ppm	0.4628 ppm	0.4993 ppm	0.4687 ppm
Recovery Percentage 1	104.947 %	100.401 %	93.149 %	95.518 %	92.617 %	99.638 %	93.820 %
Concentration RSD	3.5 %	1.2 %	0.2 %	1.1 %	0.1 %	0.2 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4753 ppm	5.2267 ppm	0.4754 ppm	0.4835 ppm	0.5016 ppm	0.4841 ppm	0.5108 ppm
Concentration per Run 1	0.4767 ppm	5.2358 ppm	0.4755 ppm	0.4899 ppm	0.5052 ppm	0.4846 ppm	0.5150 ppm
Concentration per Run 2	0.4735 ppm	5.2285 ppm	0.4752 ppm	0.4806 ppm	0.4840 ppm	0.4833 ppm	0.4917 ppm
Concentration per Run 3	0.4756 ppm	5.2159 ppm	0.4755 ppm	0.4802 ppm	0.5157 ppm	0.4845 ppm	0.5258 ppm
Recovery Percentage 1	95.050 %	99.556 %	95.087 %	96.710 %	100.326 %	96.828 %	102.166 %
Concentration RSD	0.3 %	0.2 %	0.0 %	1.1 %	3.2 %	0.2 %	3.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5022 ppm	95.8546 %	99.7148 %	98.0281 %	97.6869 %	99.2632 %	103.1358 %
Concentration per Run 1	0.5020 ppm	95.4994 %	99.2398 %	98.1025 %	96.5682 %	99.4025 %	102.6127 %
Concentration per Run 2	0.5018 ppm	96.6305 %	103.1939 %	97.9017 %	98.4834 %	99.2651 %	107.2670 %
Concentration per Run 3	0.5027 ppm	95.4338 %	96.7107 %	98.0802 %	98.0091 %	99.1219 %	99.5276 %
Recovery Percentage 1	100.435 %						
Concentration RSD	0.1 %	0.7 %	3.3 %	0.1 %	1.0 %	0.1 %	3.8 %

ICP Data Trace 7

9/30/2025 15:44:45



LabBook: WG2121089_09292025T7.imexp

Sample: CCB
 Analysis started at: 9/30/2025 14:49:12
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0025 ppm	0.0024 ppm	0.0002 ppm	-0.0001 ppm	-0.0001 ppm	0.0060 ppm
Concentration per Run 1	0.0000 ppm	0.0012 ppm	0.0043 ppm	0.0003 ppm	-0.0001 ppm	-0.0001 ppm	0.0056 ppm
Concentration per Run 2	0.0004 ppm	0.0015 ppm	0.0015 ppm	0.0007 ppm	-0.0001 ppm	-0.0001 ppm	0.0039 ppm
Concentration per Run 3	0.0000 ppm	-0.0103 ppm	0.0014 ppm	-0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0085 ppm
Recovery Percentage 1	2.999 %	-2.537 %	47.691 %	0.737 %	-0.895 %	-1.452 %	6.025 %
Concentration RSD	165.8 %	264.9 %	68.4 %	229.6 %	57.5 %	37.4 %	38.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0010 ppm	-0.0042 ppm	0.0231 ppm	-0.0012 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	0.0003 ppm	-0.0011 ppm	-0.0053 ppm	0.0283 ppm	-0.0020 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0009 ppm	-0.0036 ppm	0.0323 ppm	-0.0011 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0010 ppm	-0.0037 ppm	0.0088 ppm	-0.0006 ppm
Recovery Percentage 1	-1.952 %	1.433 %	2.537 %	-10.155 %	-8.398 %	0.925 %	-12.339 %
Concentration RSD	61.2 %	143.3 %	13.3 %	11.9 %	22.7 %	54.5 %	54.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0023 ppm	0.0002 ppm	-0.0004 ppm	0.1289 ppm	0.0000 ppm	0.0007 ppm	0.0014 ppm
Concentration per Run 1	-0.0040 ppm	0.0004 ppm	-0.0003 ppm	0.1373 ppm	0.0006 ppm	0.0003 ppm	0.0010 ppm
Concentration per Run 2	0.0019 ppm	-0.0001 ppm	-0.0004 ppm	0.1346 ppm	0.0003 ppm	0.0020 ppm	0.0027 ppm
Concentration per Run 3	-0.0047 ppm	0.0003 ppm	-0.0004 ppm	0.1149 ppm	-0.0010 ppm	-0.0001 ppm	0.0005 ppm
Recovery Percentage 1	-2.282 %	1.925 %	-0.774 %	6.446 %	-0.120 %	7.376 %	2.777 %
Concentration RSD	158.4 %	136.2 %	16.2 %	9.5 %	2,715.7 %	146.0 %	82.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0001 ppm	-0.0006 ppm	-0.0003 ppm	-0.0001 ppm	-0.0004 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run 1	-0.0015 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm	-0.0005 ppm	-0.0002 ppm
Concentration per Run 2	-0.0015 ppm	-0.0010 ppm	-0.0005 ppm	-0.0001 ppm	-0.0004 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 3	0.0034 ppm	-0.0004 ppm	-0.0003 ppm	-0.0001 ppm	-0.0003 ppm	-0.0011 ppm	0.0001 ppm
Recovery Percentage 1	1.405 %	-0.122 %	-0.500 %	-0.614 %	-3.637 %	-3.102 %	-0.395 %
Concentration RSD	2,003.7 %	57.2 %	103.4 %	30.9 %	8.7 %	71.9 %	350.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	96.2474 %	99.2093 %	98.1131 %	96.0249 %	101.1953 %	100.9201 %
Concentration per Run 1	0.0009 ppm	96.0180 %	99.5182 %	98.8825 %	94.9639 %	101.7672 %	101.1380 %
Concentration per Run 2	0.0009 ppm	96.6257 %	98.9688 %	97.3985 %	96.5811 %	100.5200 %	100.7403 %
Concentration per Run 3	0.0007 ppm	96.0984 %	99.1409 %	98.0584 %	96.5297 %	101.2986 %	100.8818 %
Recovery Percentage 1	16.406 %						
Concentration RSD	12.4 %	0.3 %	0.3 %	0.8 %	1.0 %	0.6 %	0.2 %

QC True Values: ICP

	Element	True Value (mg/L)		Element	True Value (mg/L)
ICV/CCV	Al	0.50	CRI	Al	0.40
	K	5.00		Sb	0.10
	Na	10.00		As	0.02
	Si	5.25		Ba	0.04
ICSA				Be	0.01
	Al	250		Bi	0.02
	Ca	250		B	0.10
	Fe	100		Cd	0.01
ICSB	Mg	250		Ca	0.40
				Cr	0.02
	Al	9.00		Co	0.10
	Sb	1.00		Cu	0.05
	As	1.00		Fe	0.20
	Ba	0.30		Pb	0.05
	Be	0.10		Mg	0.40
	Bi	1.00		Mn	0.03
	B	0.50		Mo	0.10
	Cd	0.30		Ni	0.08
	Ca	45.00		K	5.00
	Cr	0.30		Se	0.02
	Co	0.30		Si	1.00
	Cu	0.30		Ag	0.02
	Fe	37.50		Na	5.00
	Pb	1.00		Sr	0.02
	Mg	22.50		Tl	0.02
	Mn	0.20		Sn	0.02
	Mo	0.30		Ti	0.02
	Ni	0.30		V	0.10
	K	20.00		Zn	0.04
	Se	0.50			
	Si	1.23			
	Ag	0.30			
	Na	7.50			
	Sr	1.00			
	Tl	1.00			
	Sn	1.00			
	Ti	1.00			
	V	0.30			
	Zn	0.30			

LCS & MS Spike Concentrations

Element	Liquid concentrations (mg/L)	Soil concentrations (mg/kg)
Al	2.00	100
Sb	0.50	25.0
As	0.12	6.0
Ba	2.00	100
Be	0.05	2.5
Bi	1.00	50.0
B	1.00	50.0
Cd	0.05	2.55
Ca	10.00	500
Cr	0.20	10.0
Co	0.50	25.0
Cu	0.25	12.5
Fe	1.00	50.0
Pb	0.51	25.5
Mg	10.00	500
Mn	0.50	25.0
Mo	1.00	50.0
Ni	0.50	25.0
K	10.00	500
Se	0.12	6.0
Si	1.00	50.0
Ag	0.05	2.5
Na	10.00	500
Sr	1.00	50.0
Tl	0.12	6.0
Sn	1.00	50.0
Ti	1.00	50.0
V	0.50	25.0
Zn	0.50	25.0

LCS and MS Spike Concentrations—As of 08/09/2011

Element	Liquid Concentration(mg/L)	Soil Concentration (mg/kg)
Al	2.00	160
Sb	0.50	40
As	0.12	9.6
Ba	2.00	160
Be	0.05	4.0
Bi	1.00	80
B	1.00	80
Cd	0.051	4.08
Ca	10.0	800
Cr	0.20	16
Co	0.50	40
Cu	0.25	20
Fe	1.00	80
Pb	0.51	40.8
Mg	10.0	800
Mn	0.50	40
Mo	1.00	80
Ni	0.50	40
K	10.0	800
Se	0.12	9.6
Si	1.00	80
Ag	0.05	24
Na	10.0	800
Sr	1.00	80
Tl	0.12	9.6
Sn	1.00	80
Ti	1.00	80
V	0.50	40
Zn	0.50	40

Revised 8/9/11 Soil spike is based on (2x water spike)x(50/1.25), where 50 is the final volume of soil digestate and 1.25 is the nominal digestion weight of 1.25g, except in the case of Ag, where additional Ag is added to the spike.

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck




ISO/IEC GUIDE 34:2009

ISO/IEC 17025:2005



Page 3 of 3 Lot: D102-540



A Waters Company

Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

Page 1 of 3 Lot: D105-540

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▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

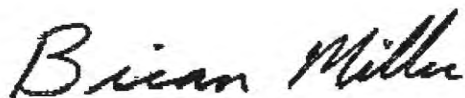
If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck



ISO/IEC 17025:2005
ISO/IEC 17025:2005


▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.

k = Coverage factor.

U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.

U_{homogen} = Standard uncertainty of the homogeneity assessment.

U_{LTS} = Standard uncertainty associated with long-term stability.

U_{STS} = Standard uncertainty associated with short-term (transport) stability.

U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material}) / (\% \text{ recovery NIST SRM})] * 100$

The traceability data shown were compiled by analyzing this ERA certified reference material and/or its associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

Brian Miller

Matthew Seebeck





A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION



Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

Page 1 of 4 Lot: D113-540

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D123-540
Certificate Issue Date: September 29, 2023
Expiration Date: June 01, 2027
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6780	7.45	3590 - 9980	3240 - 10300
Antimony	257	127	7.67	D.L. - 255	25.7 - 318
Arsenic	360	311	5.66	254 - 368	218 - 405
Barium	332	304	10.3	249 - 359	228 - 380
Beryllium	183	169	2.30	140 - 198	127 - 211
Boron	320	229	8.37	159 - 300	138 - 352
Cadmium	238	212	2.84	175 - 250	159 - 265
Calcium	5490	5170	7.20	4240 - 6090	3770 - 6560
Chromium	199	180	7.49	146 - 213	126 - 234
Cobalt	88.7	81.6	14.9	67.9 - 95.4	61.2 - 102
Copper	227	205	23.1	170 - 240	154 - 256
Iron	7360	6510	7.13	3760 - 9260	736 - 13200
Lead	100	92.8	17.9	75.9 - 110	65.0 - 121
Lithium	146	132	6.88	82.7 - 182	92.0 - 172
Magnesium	1900	1700	6.98	1280 - 2110	946 - 2450
Manganese	591	531	12.5	429 - 633	410 - 652
Mercury	14.4	11.9	8.30	7.99 - 15.7	7.12 - 16.6
Molybdenum	155	136	2.46	108 - 163	96.1 - 175
Nickel	342	313	7.24	258 - 368	219 - 407
Potassium	1500	1370	6.70	991 - 1750	713 - 2030
Selenium	170	165	4.43	133 - 197	112 - 218
Silver	88.6	82.4	6.61	65.5 - 99.2	58.5 - 106
Sodium	527	486	7.85	361 - 611	289 - 683
Strontium	148	136	8.52	109 - 163	98.7 - 173

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	226	205	4.43	166 - 245	148 - 263
Tin	85.2	75.4	3.97	58.7 - 92.1	40.6 - 110
Titanium	382	306	8.28	77.0 - 535	98.3 - 514
Uranium	46.5	47.2	5.32	36.2 - 58.2	28.6 - 65.8
Vanadium	118	103	7.76	80.3 - 126	70.0 - 136
Zinc	183	166	6.60	133 - 200	117 - 216

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6780	88.3	109	-	-
Antimony	257	127	49.3	117	-	-
Arsenic	360	311	86.5	145	-	-
Barium	332	304	91.6	129	-	-
Beryllium	183	169	92.4	121	-	-
Boron	320	229	71.6	84	-	-
Cadmium	238	212	89.2	163	-	-
Calcium	5490	5170	94.1	97	-	-
Chromium	199	180	90.4	145	-	-
Cobalt	88.7	81.6	92.0	121	-	-
Copper	227	205	90.3	151	-	-
Iron	7360	6510	88.5	110	-	-
Lead	100	92.8	92.8	161	-	-
Lithium	146	132	90.6	35	-	-
Magnesium	1900	1700	89.4	100	-	-
Manganese	591	531	89.8	125	-	-
Mercury	14.4	11.9	82.4	95	-	-
Molybdenum	155	136	87.5	120	-	-
Nickel	342	313	91.5	150	-	-
Potassium	1500	1370	91.3	99	-	-
Selenium	170	165	97.0	132	-	-
Silver	88.6	82.4	93.0	124	-	-
Sodium	527	486	92.2	100	-	-
Strontium	148	136	91.9	84	-	-
Thallium	226	205	90.8	117	-	-
Tin	85.2	75.4	88.5	90	-	-
Titanium	382	306	80.1	87	-	-
Uranium	46.5	47.2	102	30	-	-
Vanadium	118	103	87.4	119	-	-
Zinc	183	166	91.0	146	-	-

▪ Certificate of Analysis ▪

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$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.
 k = Coverage factor.
 U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
 U_{homogen} = Standard uncertainty of the homogeneity assessment.
 U_{LTS} = Standard uncertainty associated with long-term stability.
 U_{STS} = Standard uncertainty associated with short-term (transport) stability.
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3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.
4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.
5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.
6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material})/(\% \text{ recovery NIST SRM})]*100$
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If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.





A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D126-540
Certificate Issue Date: June 25, 2024
Expiration Date: January 17, 2028
Revision Number: 1.0
Revision Date: February 28, 2025

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6840	17.4	3640 - 10000	3280 - 10400
Antimony	250	131	7.92	5.96 - 256	25.0 - 328
Arsenic	229	192	15.3	156 - 228	135 - 252
Barium	244	219	20.5	179 - 259	164 - 274
Beryllium	165	146	6.80	120 - 172	110 - 183
Boron	255	175	13.9	119 - 231	105 - 280
Cadmium	134	114	6.45	93.1 - 135	85.5 - 147
Calcium	4280	4080	14.7	3360 - 4800	2930 - 5240
Chromium	172	153	13.9	124 - 182	107 - 199
Cobalt	253	231	19.3	192 - 271	174 - 289
Copper	99.6	91.2	17.6	75.8 - 107	68.4 - 114
Iron	7360	7020	21.4	4260 - 9770	736 - 13800
Lead	153	141	18.2	115 - 167	102 - 180
Lithium	104	96.1	13.2	60.8 - 131	68.1 - 124
Magnesium	2060	1900	16.9	1450 - 2350	1110 - 2690
Manganese	442	401	19.4	324 - 477	305 - 497
Mercury	15.9	14.1	7.72	9.82 - 18.4	8.45 - 19.7
Molybdenum	165	144	6.21	115 - 173	102 - 186
Nickel	165	143	14.5	117 - 170	100 - 187
Potassium	1950	1760	15.6	1270 - 2250	999 - 2520
Selenium	107	94.7	9.78	74.3 - 115	61.2 - 128
Silver	83.9	77.0	10.1	61.1 - 92.9	54.6 - 99.4
Sodium	732	661	15.6	487 - 834	409 - 913

Page 1 of 4 Lot: D126-540

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Strontium	222	191	15.0	151 - 232	140 - 244
Thallium	208	183	6.96	147 - 219	131 - 235
Tin	111	99.0	10.8	77.2 - 121	56.1 - 142
Titanium	422	353	19.9	99.4 - 606	128 - 577
Uranium	20.9	20.0	13.9	15.1 - 25.0	8.44 - 31.6
Vanadium	179	159	13.9	125 - 194	116 - 203
Zinc	327	292	5.83	233 - 351	204 - 379



A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6840	89.0	135	-	-
Antimony	250	131	52.5	145	-	-
Arsenic	229	192	84.0	242	-	-
Barium	244	219	89.7	165	-	-
Beryllium	165	146	88.7	153	-	-
Boron	255	175	68.5	109	-	-
Cadmium	134	114	85.1	243	-	-
Calcium	4280	4080	95.4	119	-	-
Chromium	172	153	89.2	185	-	-
Cobalt	253	231	91.5	144	-	-
Copper	99.6	91.2	91.6	238	-	-
Iron	7360	7020	95.3	133	-	-
Lead	153	141	92.2	255	-	-
Lithium	104	96.1	92.4	45	-	-
Magnesium	2060	1900	92.3	122	-	-
Manganese	442	401	90.7	143	-	-
Mercury	15.9	14.1	88.6	148	-	-
Molybdenum	165	144	87.2	145	-	-
Nickel	165	143	86.9	232	-	-
Potassium	1950	1760	90.2	128	-	-
Selenium	107	94.7	88.5	167	-	-
Silver	83.9	77.0	91.8	157	-	-
Sodium	732	661	90.3	117	-	-
Strontium	222	191	86.2	92	-	-
Thallium	208	183	88.0	147	-	-
Tin	111	99.0	89.1	102	-	-
Titanium	422	353	83.6	90	-	-
Uranium	20.9	20.0	95.9	31	-	-
Vanadium	179	159	89.0	146	-	-
Zinc	327	292	89.3	233	-	-

Page 3 of 4 Lot: D126-540

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

▪ Certificate of Analysis ▪

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If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.



Calculation of 6010B Metals

Aqueous Samples

The instrument will calculate the concentration ($\mu\text{g/L}$). This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = C_s \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

Where:

C_s = Concentration of sample ($\mu\text{g/L}$)

DF = Dilution Factor

Soil or Solid Samples

Soil samples are calculated as follows:

$$\text{Result, mg/Kg} = \frac{C_s \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})}{A}$$

Where:

C_s = Concentration of sample ($\mu\text{g/L}$)

DF = Dilution Factor

$$A = \frac{\text{Sample weight (grams)}}{\text{Final Volume (mL)}}$$

Dry weight correction

Dry weight correction is calculated as follows:

$$\text{Final concentration in mg/Kg, dry weight} = \frac{\text{Result, mg/Kg}}{\%_{\text{solids}}}$$

Where:

$\%_{\text{solids}}$ = Percent Solids, as a decimal value

Sequence Trace 8

9/19/2025 7:47:01 AM



LabBook: WG2116354_09182025T8.imexp

Summary

Index	Label	Rack	Vial	Started at
1	Blank LRS Trace8	0	1	9/18/2025 6:22:08 AM
2	ICAL	0	2	9/18/2025 6:25:47 AM
3	ICV	0	3	9/18/2025 6:31:13 AM
4	ICB	0	4	9/18/2025 6:34:41 AM
5	ICV	0	10	9/18/2025 6:38:06 AM
6	ICB	0	4	9/18/2025 6:41:35 AM
7	LLOQ	0	5	9/18/2025 6:44:59 AM
8	ICSA	0	6	9/18/2025 6:48:25 AM
9	SIC Multi	0	7	9/18/2025 6:53:22 AM
10	LDR Check	0	8	9/18/2025 6:56:49 AM
11	CCV	0	3	9/18/2025 7:39:36 AM
12	CCB	0	4	9/18/2025 7:43:15 AM
13	L2557235-01d2 WG2115354	1	1	9/18/2025 8:06:31 AM
14	L2557399-20d2 WG2115354	1	2	9/18/2025 8:10:09 AM
15	L2557399-21d2 WG2115354	1	3	9/18/2025 8:13:33 AM
16	L2557399-22d2 WG2115354	1	4	9/18/2025 8:16:58 AM
17	L2557399-23d2 WG2115354	1	5	9/18/2025 8:20:22 AM
18	L2557399-24d2 WG2115354	1	6	9/18/2025 8:23:48 AM
19	L2557399-25d2 WG2115354	1	7	9/18/2025 8:27:13 AM
20	L2557399-26d2 WG2115354	1	8	9/18/2025 8:30:39 AM
21	L2557399-27d2 WG2115354	1	9	9/18/2025 8:34:04 AM
22	eL2557399-28d2 WG2115354	1	10	9/18/2025 8:37:31 AM
23	CCV	0	3	9/18/2025 8:40:57 AM
24	CCB	0	4	9/18/2025 8:44:22 AM
25	CCV	0	3	9/18/2025 8:51:45 AM
26	CCB	0	4	9/18/2025 8:55:16 AM
27	L2557399-29d2 WG2115354	1	11	9/18/2025 8:58:41 AM
28	L2557399-30d2 WG2115354	1	12	9/18/2025 9:02:08 AM
29	eL2557399-31d2 WG2115354	1	13	9/18/2025 9:05:36 AM
30	L2557399-32d2 WG2115354	1	14	9/18/2025 9:08:59 AM
31	L2558008-03d2 WG2115354	1	15	9/18/2025 9:12:23 AM
32	L2558008-05d2 WG2115354	1	16	9/18/2025 9:15:46 AM
33	L2558008-06d2 WG2115354	1	17	9/18/2025 9:19:11 AM
34	L2558008-07d2 WG2115354	1	18	9/18/2025 9:22:35 AM
35	CCV	0	3	9/18/2025 9:50:22 AM
36	CCB	0	4	9/18/2025 9:54:02 AM
37	xLDR Ba 15	1	19	9/18/2025 10:43:51 AM
38	LDR Fe 300	1	20	9/18/2025 10:47:31 AM
39	LDR Ca 700	1	21	9/18/2025 10:50:56 AM
40	L2557399-28d4 WG2115354	1	22	9/18/2025 10:54:22 AM
41	L2557399-31d5 WG2115354	1	23	9/18/2025 10:57:48 AM
42	LDR Ba 15	1	24	9/18/2025 11:19:46 AM
43	CCV	0	3	9/18/2025 11:23:19 AM
44	CCB	0	4	9/18/2025 11:26:45 AM
45	WG2116380-1 WG2116380	1	25	9/18/2025 12:07:36 PM
46	WG2116380-2 WG2116380	1	26	9/18/2025 12:11:22 PM
47	WG2116380-3 WG2116380	1	27	9/18/2025 12:14:46 PM
48	eL2558445-01 WG2116380	1	28	9/18/2025 12:18:09 PM
49	eWG2116380-4 WG2116380	1	29	9/18/2025 12:21:34 PM
50	eWG2116380-4 WG2116380	1	30	9/18/2025 12:24:59 PM
51	eWG2116380-5 WG2116380	1	31	9/18/2025 12:28:23 PM
52	eWG2116380-5 WG2116380	1	32	9/18/2025 12:31:48 PM
53	eWG2116380-6 WG2116380	1	33	9/18/2025 12:35:14 PM
54	eWG2116380-7d5 WG2116380	1	34	9/18/2025 12:38:39 PM
55	CCV	0	3	9/18/2025 12:42:05 PM
56	CCB	0	4	9/18/2025 12:45:30 PM
57	L2558409-01 WG2116380	1	35	9/18/2025 12:49:01 PM
58	L2558780-13 WG2116380	1	36	9/18/2025 12:52:28 PM
59	L2558445-01d2 WG2116380	1	37	9/18/2025 12:55:54 PM
60	WG2116380-4d2 WG2116380	1	38	9/18/2025 12:59:18 PM
61	WG2116380-4d2 WG2116380	1	39	9/18/2025 1:02:41 PM
62	WG2116380-5d2 WG2116380	1	40	9/18/2025 1:06:05 PM
63	WG2116380-5d2 WG2116380	1	41	9/18/2025 1:09:29 PM
64	WG2116380-6d2 WG2116380	1	42	9/18/2025 1:12:53 PM
65	WG2116380-7d10 WG2116380	1	43	9/18/2025 1:16:18 PM
66	CCV	0	3	9/18/2025 1:19:43 PM
67	CCB	0	4	9/18/2025 1:23:08 PM
68	WG2115414-1 WG2115414	1	44	9/18/2025 2:19:27 PM

Sequence Trace 8

9/19/2025 7:47:01 AM



Index	Label	Rack	Vial	Started at
69	WG2115414-2 WG2115414	1	45	9/18/2025 2:26:20 PM
70	L2556176-01 WG2115414	1	46	9/18/2025 2:29:52 PM
71	WG2115414-3 WG2115414	1	47	9/18/2025 2:49:44 PM
72	WG2115414-4 WG2115414	1	48	9/18/2025 2:53:31 PM
73	L2557422-03 WG2115414	1	49	9/18/2025 2:56:58 PM
74	L2557422-06 WG2115414	1	50	9/18/2025 3:00:23 PM
75	CCV	0	3	9/18/2025 3:03:47 PM
76	CCB	0	4	9/18/2025 3:07:13 PM
77	L2555365-02 WG2115824	1	51	9/18/2025 3:28:18 PM
78	L2557107-01 WG2115824	1	52	9/18/2025 3:32:00 PM
79	eL2557403-01 WG2115260	1	53	9/18/2025 3:35:25 PM
80	L2557403-02 WG2115260	1	54	9/18/2025 3:38:51 PM
81	L2557403-01d2 WG2115260	2	6	9/18/2025 3:52:16 PM
82	L2557399-10d2 WG2115232	1	55	9/18/2025 3:56:36 PM
83	L2557399-11d2 WG2115232	1	56	9/18/2025 4:00:02 PM
84	L2557399-13d2 WG2115232	1	57	9/18/2025 4:03:27 PM
85	L2557399-14d2 WG2115232	1	58	9/18/2025 4:06:54 PM
86	L2557399-15d2 WG2115232	1	59	9/18/2025 4:10:21 PM
87	CCV	0	3	9/18/2025 4:17:04 PM
88	CCB	0	4	9/18/2025 4:20:36 PM
89	L2557399-16d2 WG2115232	1	60	9/18/2025 4:26:38 PM
90	L2557399-17d2 WG2115232	2	1	9/18/2025 4:30:20 PM
91	L2557399-18d2 WG2115232	2	2	9/18/2025 4:37:40 PM
92	L2557399-19d2 WG2115232	2	3	9/18/2025 4:41:22 PM
93	L2557399-02d4 WG2115232	2	4	9/18/2025 4:46:29 PM
94	L2557399-08d4 WG2115232	2	5	9/18/2025 4:50:05 PM
95	L2557399-17d10 WG2115232	2	7	9/18/2025 4:53:30 PM
96	CCV	0	3	9/18/2025 4:57:36 PM
97	CCB	0	4	9/18/2025 5:01:02 PM
98	WG2116269-1 WG2116269	2	8	9/18/2025 5:08:54 PM
99	WG2116269-2 WG2116269	2	9	9/18/2025 5:12:38 PM
100	L2557997-01 WG2116269	2	10	9/18/2025 5:16:05 PM
101	WG2116269-3 WG2116269	2	11	9/18/2025 5:19:32 PM
102	WG2116269-4 WG2116269	2	12	9/18/2025 5:22:59 PM
103	WG2116269-5 WG2116269	2	13	9/18/2025 5:26:27 PM
104	WG2116269-6d5 WG2116269	2	14	9/18/2025 5:29:52 PM
105	L2555768-01 WG2116269	2	15	9/18/2025 5:33:19 PM
106	L2556203-01 WG2116269	2	16	9/18/2025 5:36:45 PM
107	CCV	0	3	9/18/2025 5:41:11 PM
108	CCB	0	4	9/18/2025 5:44:37 PM
109	TEST 1825 V1	2	26	9/18/2025 5:49:30 PM
110	TEST 1825 V2	2	27	9/18/2025 5:52:56 PM
111	CCV	0	3	9/18/2025 5:56:23 PM
112	CCB	0	4	9/18/2025 5:59:49 PM
113	WG2115668-1 WG2115668	2	17	9/18/2025 6:08:14 PM
114	WG2115668-2 WG2115668	2	18	9/18/2025 6:11:46 PM
115	L2557076-03 WG2115668	2	19	9/18/2025 6:15:13 PM
116	WG2115668-3 WG2115668	2	20	9/18/2025 6:18:39 PM
117	WG2115668-4 WG2115668	2	21	9/18/2025 6:22:06 PM
118	WG2115668-5 WG2115668	2	22	9/18/2025 6:25:32 PM
119	WG2115668-6 WG2115668	2	23	9/18/2025 6:29:00 PM
120	L2554954-01 WG2115668	2	24	9/18/2025 6:32:27 PM
121	L2554954-01 WG2115668	2	25	9/18/2025 6:35:55 PM
122	CCV	0	3	9/18/2025 6:48:03 PM
123	CCB	0	4	9/18/2025 6:51:36 PM
124	XABORT	2	28	9/18/2025 6:55:53 PM
125	L2552122-03d2 WG2114901	2	28	9/18/2025 6:57:48 PM
126	L2552122-04d2 WG2114901	2	29	9/18/2025 7:01:33 PM
127	L2552122-18d2 WG2114901	2	30	9/18/2025 7:04:59 PM
128	L2556719-21d2 WG2114901	2	31	9/18/2025 7:08:26 PM
129	L2556719-22d2 WG2114901	2	32	9/18/2025 7:11:52 PM
130	L2556719-23d2 WG2114901	2	33	9/18/2025 7:15:19 PM
131	L2556719-24d2 WG2114901	2	34	9/18/2025 7:18:46 PM
132	L2556719-25d2 WG2114901	2	35	9/18/2025 7:22:13 PM
133	L2556719-27d2 WG2114901	2	36	9/18/2025 7:25:40 PM
134	CCV	0	3	9/18/2025 7:29:08 PM
135	CCB	0	4	9/18/2025 7:32:35 PM
136	CCV	0	3	9/18/2025 7:54:06 PM
137	CCB	0	4	9/18/2025 7:57:51 PM
138	L2556719-28d2 WG2114901	2	37	9/18/2025 8:05:11 PM
139	L2556719-29d2 WG2114901	2	38	9/18/2025 8:08:55 PM
140	L2556719-30d2 WG2114901	2	39	9/18/2025 8:12:21 PM
141	xL2556719-22d4 WG2114901	2	40	9/18/2025 8:15:48 PM
142	L2555892-01d2 WG2115685	2	48	9/18/2025 8:19:16 PM

Sequence Trace 8

9/19/2025 7:47:01 AM



Index	Label	Rack	Vial	Started at
143	L2556564-01d2 WG2115685	2	49	9/18/2025 8:22:44 PM
144	L2556681-01d2 WG2115685	2	50	9/18/2025 8:26:11 PM
145	L2556681-02d2 WG2115685	2	51	9/18/2025 8:29:39 PM
146	L2557446-14d2 WG2115685	2	52	9/18/2025 8:33:06 PM
147	L2557446-15d2 WG2115685	2	53	9/18/2025 8:36:34 PM
148	CCV	0	3	9/18/2025 8:40:02 PM
149	CCB	0	4	9/18/2025 8:43:29 PM
150	CCV	0	3	9/18/2025 9:01:07 PM
151	CCB	0	4	9/18/2025 9:04:40 PM
152	WG2115685-1 WG2115685	2	41	9/18/2025 9:12:18 PM
153	WG2115685-2d2 WG2115685	2	42	9/18/2025 9:16:02 PM
154	Xabort	2	8	9/18/2025 9:19:30 PM
155	LDR 400 FE	3	8	9/18/2025 9:21:26 PM
156	L2557446-13d2 WG2115685	2	43	9/18/2025 9:27:17 PM
157	WG2115685-3d2 WG2115685	2	44	9/18/2025 9:30:47 PM
158	WG2115685-4d2 WG2115685	2	45	9/18/2025 9:34:14 PM
159	WG2115685-5d2 WG2115685	2	46	9/18/2025 9:37:42 PM
160	WG2115685-6d10 WG2115685	2	47	9/18/2025 9:41:09 PM
161	L2556719-23d4 WG2114901	3	7	9/18/2025 9:44:38 PM
162	CCV	0	3	9/18/2025 9:48:06 PM
163	CCB	0	4	9/18/2025 9:51:33 PM
164	CCV	0	3	9/18/2025 10:03:40 PM
165	CCB	0	4	9/18/2025 10:07:14 PM
166	L2557446-13d4 WG2115685	2	54	9/18/2025 10:21:19 PM
167	WG2115685-3d4 WG2115685	2	55	9/18/2025 10:25:03 PM
168	WG2115685-4d4 WG2115685	2	56	9/18/2025 10:28:31 PM
169	WG2115685-5d4 WG2115685	2	57	9/18/2025 10:31:59 PM
170	WG2115685-6d20 WG2115685	2	58	9/18/2025 10:35:28 PM
171	CCV	0	3	9/18/2025 10:39:27 PM
172	CCB	0	4	9/18/2025 10:42:54 PM
173	CCV	0	3	9/18/2025 11:26:53 PM
174	CCB	0	4	9/18/2025 11:30:38 PM

Sequence Trace 7

9/24/2025 13:35:15



LabBook: WG2118517_09232025T7.imexp

Index:	Label:	Rack	Vial	Start time:
1	Blank LRS Trace7	0	1	9/23/2025 13:03:42
2	ICAL	0	2	9/23/2025 13:08:16
3	ICV	0	3	9/23/2025 13:40:05
4	ICB	0	4	9/23/2025 13:44:20
5	ICV	0	10	9/23/2025 13:48:53
6	ICB	0	4	9/23/2025 13:53:13
7	LLOQ	0	5	9/23/2025 13:58:29
8	ICSA	0	6	9/23/2025 14:04:03
9	SIC Multi	0	7	9/23/2025 14:09:21
10	LDR Check	0	8	9/23/2025 14:14:08
11	xIEC 200 Fe	1	1	9/23/2025 15:00:36
12	IEC 500 AI As-	1	2	9/23/2025 15:13:05
13	CCV	0	3	9/23/2025 15:32:45
14	CCB	0	4	9/23/2025 15:37:00
15	WG2117049-1 WG2117049	1	3	9/23/2025 16:09:16
16	WG2117049-2 WG2117049	1	4	9/23/2025 16:13:46
17	L2558203-02 WG2117049	1	10	9/23/2025 16:18:08
18	L2558319-01 WG2117049	1	5	9/23/2025 16:22:46
19	WG2117049-3 WG2117049	1	6	9/23/2025 16:27:22
20	WG2117049-4 WG2117049	1	7	9/23/2025 16:31:43
21	WG2117049-5 WG2117049	1	8	9/23/2025 16:36:20
22	WG2117049-6d5 WG2117049	1	9	9/23/2025 16:40:33
23	CCV	0	3	9/23/2025 16:45:01
24	CCB	0	4	9/23/2025 16:49:17
25	L2556715-11 WG2114061	1	11	9/23/2025 17:26:22
26	L2556715-12 WG2114061	1	12	9/23/2025 17:31:06
27	TEST ICAL 2325A pass	1	13	9/23/2025 17:35:36
28	TEST FM 2325 V1	1	14	9/23/2025 17:39:44
29	TEST FM 2325 V2	1	15	9/23/2025 17:44:05
30	TEST CCV 2325A pass	1	16	9/23/2025 17:48:28
31	TEST CCV 2325B pass	1	17	9/23/2025 17:53:27
32	TEST LDR 2325A	1	18	9/23/2025 17:58:00
33	CCV	0	3	9/23/2025 18:24:02
34	CCB	0	4	9/23/2025 18:28:18
35	L2557288-01d5 WG2114988	1	24	9/23/2025 19:14:23
36	L2557288-02d5 WG2114988	1	25	9/23/2025 19:18:56
37	L2557288-03 WG2114988	1	26	9/23/2025 19:31:22
38	L2557288-04 WG2114988	1	27	9/23/2025 19:35:50
39	L2557288-05 WG2114988	1	28	9/23/2025 19:40:19
40	L2557305-02 WG2114988	1	19	9/23/2025 19:44:50
41	WG2114988-7 WG2114988	1	20	9/23/2025 19:49:26
42	WG2114988-8 WG2114988	1	21	9/23/2025 19:53:47
43	WG2114988-9 WG2114988	1	22	9/23/2025 19:58:23
44	WG2114988-10d5 WG2114988	1	23	9/23/2025 20:02:46
45	CCV	0	3	9/23/2025 20:07:16
46	CCB	0	4	9/23/2025 20:11:31
47	WG2115585-1 WG2115585	1	31	9/23/2025 20:27:49
48	WG2115585-2 WG2115585	1	32	9/23/2025 20:32:21
49	WG2115668-2 WG2115668	1	35	9/23/2025 20:36:34
50	L2557794-01 WG2115668	1	36	9/23/2025 20:40:48
51	L2557288-02d25 WG2114988	1	37	9/23/2025 20:45:18
52	L2555309-01 WG2115585	1	33	9/23/2025 20:49:52
53	L2555311-02 WG2115585	1	34	9/23/2025 20:54:24
54	L2557699-01 WG2114988	1	29	9/23/2025 20:58:56
55	L2557699-02 WG2114988	1	30	9/23/2025 21:04:04
56	CCV	0	3	9/23/2025 21:12:10
57	CCB	0	4	9/23/2025 21:16:25
58	L2557691-26d2 WG2117286	1	38	9/23/2025 22:19:31
59	L2557720-01d2 WG2117286	1	39	9/23/2025 22:23:58
60	L2558229-01d2 WG2117286	1	40	9/23/2025 22:28:24
61	eL2558229-02d2 WG2117286	1	41	9/23/2025 22:32:49
62	L2558229-03d2 WG2117286	1	42	9/23/2025 22:37:35
63	L2558229-05d2 WG2117286	1	43	9/23/2025 22:42:02
64	L2558229-06d2 WG2117286	1	44	9/23/2025 22:46:22
65	L2558229-07d2 WG2117286	1	45	9/23/2025 22:50:50
66	eL2558235-04d2 WG2117286	1	46	9/23/2025 22:55:18
67	L2559033-01d2 WG2117286	1	47	9/23/2025 23:00:19
68	CCV	0	3	9/23/2025 23:04:47
69	CCB	0	4	9/23/2025 23:09:04
70	CCV	0	3	9/23/2025 23:13:42
71	CCB	0	4	9/23/2025 23:17:58
72	CCV	0	3	9/24/2025 09:26:26

Sequence Trace 7

9/24/2025 13:35:15



Index:	Label:	Rack	Vial	Start time:
73	CCB	0	4	9/24/2025 09:30:42
74	L2558468-02 WG2116269	1	7	9/24/2025 10:36:36
75	L2558468-03 WG2116269	1	8	9/24/2025 10:41:08
76	L2558468-04 WG2116269	1	9	9/24/2025 10:50:07
77	L2558468-01 WG2116269	1	6	9/24/2025 10:54:40
78	LDR 250 Fe pass	1	10	9/24/2025 11:01:25
79	L2558607-15 WG2116269	1	1	9/24/2025 11:06:04
80	WG2116269-7 WG2116269	1	2	9/24/2025 11:10:39
81	WG2116269-8 WG2116269	1	3	9/24/2025 11:15:00
82	WG2116269-9 WG2116269	1	4	9/24/2025 11:19:36
83	WG2116269-10D5 WG2116269	1	5	9/24/2025 11:23:58
84	CCV	0	3	9/24/2025 11:28:26
85	CCB	0	4	9/24/2025 11:32:42
86	L2557863-01 WG2116021	1	11	9/24/2025 11:45:09
87	L2557863-02 WG2116021	1	12	9/24/2025 11:49:46
88	L2557863-03 WG2116021	1	13	9/24/2025 11:54:15
89	L2557863-04 WG2116021	1	14	9/24/2025 11:58:42
90	L2557863-05 WG2116021	1	15	9/24/2025 12:03:12
91	L2558548-01 WG2117133	1	16	9/24/2025 12:07:39
92	L2558548-02 WG2117133	1	17	9/24/2025 12:12:07
93	L2558235-04D5 WG2117286	1	18	9/24/2025 12:16:34
94	L2558229-02D20 WG2117286	1	19	9/24/2025 12:21:02
95	L2558235-04D50 WG2117286	1	20	9/24/2025 12:29:08
96	CCV	0	3	9/24/2025 12:33:32
97	CCB	0	4	9/24/2025 12:37:48
98	UNKNOWN	1	21	

Sequence Trace 7

9/25/2025 14:09:10



LabBook: WG2119102_09242025T7.imexp

Index:	Label:	Rack	Vial	Start time:
1	Blank JMF Trace7	0	1	9/24/2025 14:11:46
2	ICAL	0	2	9/24/2025 14:16:16
3	ICV	0	3	9/24/2025 14:20:26
4	ICB	0	4	9/24/2025 14:24:42
5	ICV	0	10	9/24/2025 14:29:14
6	ICB	0	4	9/24/2025 14:33:34
7	LLOQ	0	5	9/24/2025 14:38:08
8	ICSA	0	6	9/24/2025 14:42:46
9	SIC Multi	0	7	9/24/2025 14:47:39
10	LDR Check	0	8	9/24/2025 14:52:26
11	LLOQ 005 Zn pass	1	1	9/24/2025 15:17:29
12	LLOQ 01 Se pass	1	2	9/24/2025 15:22:00
13	LLOQ 05	1	3	9/24/2025 15:26:31
14	LDR 200 Fe	1	4	9/24/2025 15:31:17
15	CCV	0	3	9/24/2025 15:43:26
16	CCB	0	4	9/24/2025 15:47:42
17	WG2115674-1 WG2115674	1	5	9/24/2025 16:00:43
18	WG2115674-2 WG2115674	1	6	9/24/2025 16:05:14
19	xL2557734-01 WG2115674	1	7	9/24/2025 16:09:28
20	xWG2115674-7 WG2115674	1	8	9/24/2025 16:14:25
21	L2557734-01d5 WG2115674	1	11	9/24/2025 16:20:03
22	WG2115674-7d5 WG2115674	1	12	9/24/2025 16:39:33
23	WG2115674-8d5 WG2115674	1	13	9/24/2025 16:44:13
24	WG2115674-9d5 WG2115674	1	14	9/24/2025 16:48:55
25	WG2115674-10d25 WG2115674	1	15	9/24/2025 16:53:23
26	CCV	0	3	9/24/2025 16:57:59
27	CCB	0	4	9/24/2025 17:02:14
28	L2557691-12d2 WG2117260	1	16	9/24/2025 17:19:57
29	L2557691-13d2 WG2117260	1	17	9/24/2025 17:24:19
30	L2557691-14d2 WG2117260	1	18	9/24/2025 17:28:43
31	L2557691-15d2 WG2117260	1	19	9/24/2025 17:33:46
32	L2557691-16d2 WG2117260	1	20	9/24/2025 17:38:08
33	L2557691-17d2 WG2117260	1	21	9/24/2025 17:42:35
34	L2557289-08d4 WG2116669	1	30	9/24/2025 17:46:58
35	CCV	0	3	9/24/2025 17:51:26
36	CCB	0	4	9/24/2025 17:55:42
37	L2557691-18d2 WG2117260	1	22	9/24/2025 18:19:44
38	L2557691-19d2 WG2117260	1	23	9/24/2025 18:24:09
39	L2557691-20d2 WG2117260	1	24	9/24/2025 18:28:35
40	L2557691-21d2 WG2117260	1	25	9/24/2025 18:33:03
41	L2557691-22d2 WG2117260	1	26	9/24/2025 18:37:28
42	L2557691-23d2 WG2117260	1	27	9/24/2025 18:41:53
43	L2557691-24d2 WG2117260	1	28	9/24/2025 18:46:15
44	L2557691-25d2 WG2117260	1	29	9/24/2025 18:50:41
45	CCV	0	3	9/24/2025 18:55:06
46	CCB	0	4	9/24/2025 18:59:22
47	L2558563-01 WG2116527	1	31	9/24/2025 19:25:56
48	WG2116527-7 WG2116527	1	32	9/24/2025 19:30:33
49	WG2116527-8 WG2116527	1	33	9/24/2025 19:34:54
50	WG2116527-9 WG2116527	1	34	9/24/2025 19:39:32
51	WG2116527-10d5 WG2116527	1	35	9/24/2025 19:43:54
52	L2558732-01 WG2116527	1	36	9/24/2025 19:48:33
53	CCV	0	3	9/24/2025 20:02:05
54	CCB	0	4	9/24/2025 20:06:21
55	L2545988-01d2 WG2118151	1	37	9/24/2025 20:34:54
56	L2555473-01d2 WG2118151	1	38	9/24/2025 20:39:19
57	L2555473-02d2 WG2118151	1	39	9/24/2025 20:43:54
58	L2555473-03d2 WG2118151	1	40	9/24/2025 20:48:21
59	L2555473-04d2 WG2118151	1	41	9/24/2025 20:52:47
60	L2555473-05d2 WG2118151	1	42	9/24/2025 20:57:21
61	L2555473-06d2 WG2118151	1	43	9/24/2025 21:01:51
62	L2555473-07d2 WG2118151	1	44	9/24/2025 21:06:18
63	L2555473-08d2 WG2118151	1	45	9/24/2025 21:11:03
64	L2555473-09d2 WG2118151	1	46	9/24/2025 21:15:31
65	CCV	0	3	9/24/2025 21:20:08
66	CCB	0	4	9/24/2025 21:24:24
67	LDR 300 Fe	1	47	9/24/2025 21:46:37
68	LDR 600 Ca	1	48	9/24/2025 21:51:15
69	L2559181-01 WG2118573	1	51	9/24/2025 22:09:12
70	WG2118573-3 WG2118573	1	52	9/24/2025 22:13:38
71	WG2118573-4 WG2118573	1	53	9/24/2025 22:17:59
72	L2558903-12 WG2118573	1	54	9/24/2025 22:22:31

Sequence Trace 7

9/25/2025 14:09:10



Index:	Label:	Rack	Vial	Start time:
73	L2559181-04 WG2118573	1	55	9/24/2025 22:27:05
74	L2559181-07 WG2118573	1	56	9/24/2025 22:31:39
75	L2559181-10 WG2118573	1	57	9/24/2025 22:36:09
76	L2559181-13 WG2118573	1	58	9/24/2025 22:40:44
77	CCV	0	3	9/24/2025 22:45:23
78	CCB	0	4	9/24/2025 22:49:39
79	WG2118573-1 WG2118573	1	49	9/24/2025 23:11:11
80	WG2118344-1 WG2118344	1	59	9/24/2025 23:15:48
81	WG2118573-2 WG2118573	1	50	9/24/2025 23:20:27
82	WG2118344-2 WG2118344	1	60	9/24/2025 23:24:39
83	L2558867-01 WG2118344	2	1	9/24/2025 23:28:53
84	WG2118344-3 WG2118344	2	2	9/24/2025 23:33:21
85	WG2118344-4 WG2118344	2	3	9/24/2025 23:37:43
86	L2558867-02 WG2118344	2	4	9/24/2025 23:42:11
87	L2558867-03 WG2118344	2	5	9/24/2025 23:46:40
88	L2558867-04 WG2118344	2	6	9/24/2025 23:51:08
89	CCV	0	3	9/24/2025 23:55:36
90	CCB	0	4	9/24/2025 23:59:52
91	WG2118856-1 WG2118856	2	8	9/25/2025 00:06:01
92	WG2118856-2 WG2118856	2	9	9/25/2025 00:10:33
93	L2558867-05 WG2118344	2	7	9/25/2025 00:14:46
94	L2559168-01 WG2118856	2	10	9/25/2025 00:19:12
95	WG2118856-3 WG2118856	2	11	9/25/2025 00:23:41
96	WG2118856-4 WG2118856	2	12	9/25/2025 00:27:55
97	CCV	0	3	9/25/2025 00:32:24
98	CCB	0	4	9/25/2025 00:36:40
99	CCV	0	3	9/25/2025 00:41:13
100	CCB	0	4	9/25/2025 00:45:29
101	CCV	0	3	9/25/2025 09:04:43
102	CCB	0	4	9/25/2025 09:08:59
103	WG2118563-1 WG2118563	1	1	9/25/2025 10:09:54
104	WG2118563-2D2 WG2118563	1	2	9/25/2025 10:27:14
105	L2558074-01D2 WG2118563	1	3	9/25/2025 10:31:26
106	WG2118563-3D2 WG2118563	1	4	9/25/2025 10:35:51
107	WG2118563-4D2 WG2118563	1	5	9/25/2025 10:40:12
108	WG2118563-5D2 WG2118563	1	6	9/25/2025 10:44:38
109	WG2118563-6D10 WG2118563	1	7	9/25/2025 10:48:59
110	L2558903-13D2 WG2118563	1	8	9/25/2025 10:53:27
111	eL2558903-14D2 WG2118563	1	9	9/25/2025 10:58:13
112	L2558903-15D2 WG2118563	1	10	9/25/2025 11:02:58
113	CCV	0	3	9/25/2025 11:07:44
114	CCB	0	4	9/25/2025 11:12:00
115	L2558903-16D2 WG2118563	1	11	9/25/2025 11:22:40
116	L2558903-14D4 WG2118563	1	12	9/25/2025 12:06:11
117	L2555667-15D2 WG2118037	1	13	9/25/2025 12:10:58
118	L2555667-29D2 WG2118037	1	14	9/25/2025 12:15:16
119	L2555667-41D2 WG2118037	1	15	9/25/2025 12:19:35
120	L2555667-43D2 WG2118037	1	16	9/25/2025 12:23:55
121	L2555667-53D2 WG2118037	1	17	9/25/2025 12:28:14
122	L2555667-55D2 WG2118037	1	18	9/25/2025 12:32:35
123	L2558973-01D2 WG2118037	1	19	9/25/2025 12:36:57
124	L2558973-02D2 WG2118037	1	20	9/25/2025 12:41:17
125	CCV	0	3	9/25/2025 12:45:38
126	CCB	0	4	9/25/2025 12:49:54
127	L2559149-01D2 WG2118037	1	21	9/25/2025 13:06:19
128	L2559152-01D2 WG2118037	1	22	9/25/2025 13:10:38
129	L2559152-03D2 WG2118037	1	23	9/25/2025 13:15:00
130	L2559152-05D2 WG2118037	1	24	9/25/2025 13:19:21
131	L2559158-01D2 WG2118037	1	25	9/25/2025 13:23:43
132	L2559158-03D2 WG2118037	1	26	9/25/2025 13:28:04
133	CCV	0	3	9/25/2025 13:32:25
134	CCB	0	4	9/25/2025 13:36:40
135	WG2118419-1 WG2118419	1	27	9/25/2025 13:42:14
136	WG2118419-2D2 WG2118419	1	28	9/25/2025 13:46:44
137	WG2118419-3D2 WG2118419	1	29	9/25/2025 13:50:56
138	L2559045-01D2 WG2118419	1	30	9/25/2025 13:55:08
139	CCV	0	3	9/25/2025 13:59:28
140	CCB	0	4	9/25/2025 14:03:45
141	UNKNOWN	1	1	

Sequence Trace 10

9/26/2025 9:11:05 AM



LabBook: WG2119734_09252025T10.imexp

Index:	Label:	Start time:	Rack	Vial
1	Blank ZPC Trace10	9/25/2025 3:19:04 PM	0	1
2	ICAL	9/25/2025 3:24:26 PM	0	2
3	ICV	9/25/2025 3:55:20 PM	0	3
4	ICB	9/25/2025 4:00:24 PM	0	4
5	ICV	9/25/2025 4:05:49 PM	0	10
6	ICB	9/25/2025 4:10:57 PM	0	4
7	LLOQ	9/25/2025 4:16:23 PM	0	5
8	ICSA	9/25/2025 4:22:17 PM	0	6
9	SIC Multi	9/25/2025 4:27:39 PM	0	7
10	LDR	9/25/2025 4:35:27 PM	0	8
11	IEC 200 Fe Ag-	9/25/2025 4:48:05 PM	1	1
12	CCV	9/25/2025 4:54:41 PM	0	3
13	CCB	9/25/2025 4:59:45 PM	0	4
14	xIEC 20 Ti	9/25/2025 6:00:57 PM	1	4
15	LDR 200 Fe	9/25/2025 6:06:24 PM	1	3
16	IEC 10 V Ti+	9/25/2025 6:11:43 PM	1	5
17	xwrong spot	9/25/2025 6:36:10 PM	0	1
18	L2557076-04 WG2115674	9/25/2025 6:39:02 PM	1	6
19	WG2115674-3 WG2115674	9/25/2025 6:44:18 PM	1	7
20	WG2115674-4 WG2115674	9/25/2025 6:49:25 PM	1	8
21	WG2115674-5 WG2115674	9/25/2025 6:54:44 PM	1	9
22	WG2115674-6d5 WG2115674	9/25/2025 6:59:51 PM	1	10
23	L2556911-11 WG2115674	9/25/2025 7:07:09 PM	1	11
24	CCV	9/25/2025 7:12:36 PM	0	3
25	CCB	9/25/2025 7:17:39 PM	0	4
26	L2557076-02 WG2115674	9/25/2025 7:25:51 PM	1	15
27	L2556911-13 WG2115674	9/25/2025 7:31:13 PM	1	12
28	L2556911-15 WG2115674	9/25/2025 7:36:41 PM	1	13
29	L2556911-17 WG2115674	9/25/2025 7:42:00 PM	1	14
30	L2557076-03 WG2115674	9/25/2025 7:47:13 PM	1	16
31	L2557076-05 WG2115674	9/25/2025 7:52:29 PM	1	17
32	L2557076-06 WG2115674	9/25/2025 7:57:48 PM	1	18
33	L2557076-07 WG2115674	9/25/2025 8:03:05 PM	1	19
34	L2557076-08 WG2115674	9/25/2025 8:08:21 PM	1	20
35	L2557076-09 WG2115674	9/25/2025 8:13:37 PM	1	21
36	CCV	9/25/2025 8:18:57 PM	0	3
37	CCB	9/25/2025 8:24:01 PM	0	4
38	L2557076-10 WG2115674	9/25/2025 8:34:24 PM	1	22
39	L2556125-06d2 WG2118041	9/25/2025 8:39:41 PM	1	23
40	L2556719-151d2 WG2118041	9/25/2025 8:44:48 PM	1	24
41	L2556719-152d2 WG2118041	9/25/2025 8:49:56 PM	1	25
42	L2556719-153d2 WG2118041	9/25/2025 8:55:00 PM	1	26
43	L2556719-154d2 WG2118041	9/25/2025 9:00:07 PM	1	27
44	L2556719-155d2 WG2118041	9/25/2025 9:05:18 PM	1	28
45	CCV	9/25/2025 9:10:23 PM	0	3
46	CCB	9/25/2025 9:15:28 PM	0	4
47	L2556719-154d4 WG2118041	9/25/2025 9:33:11 PM	1	48
48	L2555836-03 WG2113867	9/25/2025 9:38:27 PM	1	39
49	WG2113867-7 WG2113867	9/25/2025 9:43:41 PM	1	40
50	WG2113867-8 WG2113867	9/25/2025 9:48:46 PM	1	41
51	WG2113867-9 WG2113867	9/25/2025 9:53:50 PM	1	42
52	WG2113867-10d5 WG2113867	9/25/2025 9:58:55 PM	1	43
53	L2555836-02 WG2113867	9/25/2025 10:04:13 PM	1	44
54	L2555836-04 WG2113867	9/25/2025 10:09:29 PM	1	45
55	L2555836-05 WG2113867	9/25/2025 10:14:45 PM	1	46
56	L2555836-06 WG2113867	9/25/2025 10:20:00 PM	1	47
57	CCV	9/25/2025 10:25:16 PM	0	3
58	CCB	9/25/2025 10:30:20 PM	0	4
59	WG2118612-1 WG2118612	9/25/2025 10:43:26 PM	1	29
60	WG2118612-2 WG2118612	9/25/2025 10:48:48 PM	1	30
61	eL2559350-01 WG2118612	9/25/2025 10:53:54 PM	1	31
62	eWG2118612-3 WG2118612	9/25/2025 10:59:19 PM	1	32
63	eWG2118612-4 WG2118612	9/25/2025 11:04:34 PM	1	33
64	eL2559350-02 WG2118612	9/25/2025 11:10:00 PM	1	34
65	eL2559350-03 WG2118612	9/25/2025 11:15:25 PM	1	35
66	eL2559350-04 WG2118612	9/25/2025 11:20:54 PM	1	36
67	L2559350-05 WG2118612	9/25/2025 11:26:20 PM	1	37
68	L2559350-06 WG2118612	9/25/2025 11:31:46 PM	1	38
69	CCV	9/26/2025 12:02:17 AM	0	3
70	CCB	9/26/2025 12:07:21 AM	0	4
71	CCV	9/26/2025 12:12:45 AM	0	3
72	CCB	9/26/2025 12:17:50 AM	0	4

Sequence Trace 10

9/26/2025 9:11:05 AM



Index:	Label:	Start time:	Rack	Vial
73	eL2559350-01d5 WG2118612	9/26/2025 12:23:15 AM	1	49
74	eWG2118612-3d5 WG2118612	9/26/2025 12:28:39 AM	1	50
75	eWG2118612-4d5 WG2118612	9/26/2025 12:33:56 AM	1	51
76	eL2559350-02d5 WG2118612	9/26/2025 12:39:20 AM	1	52
77	L2559350-03d5 WG2118612	9/26/2025 12:44:48 AM	1	53
78	L2559350-04d5 WG2118612	9/26/2025 12:50:17 AM	1	54
79	eL2559350-05d5 WG2118612	9/26/2025 12:55:46 AM	1	55
80	eL2559350-06d5 WG2118612	9/26/2025 1:01:15 AM	1	56
81	CCV	9/26/2025 1:06:41 AM	0	3
82	CCB	9/26/2025 1:11:45 AM	0	4
83	CCV	9/26/2025 1:17:10 AM	0	3
84	CCB	9/26/2025 1:22:14 AM	0	4
85	CCV	9/26/2025 1:27:38 AM	0	3
86	CCB	9/26/2025 1:32:43 AM	0	4

Sequence Trace 7

9/30/2025 15:45:13



LabBook: WG2121089_09292025T7.imexp

Index:	Label:	Rack	Vial	Start time:
1	xBlank MRP Trace7	0	1	9/29/2025 14:42:04
2	xICAL	0	2	9/29/2025 14:46:36
3	xBlank MRP Trace7	0	1	9/29/2025 15:00:31
4	xICAL	0	2	9/29/2025 15:05:03
5	Blank MRP Trace7	0	1	9/29/2025 15:15:06
6	ICAL	0	2	9/29/2025 15:19:37
7	ICV	0	3	9/29/2025 15:30:38
8	ICB	0	4	9/29/2025 15:34:55
9	ICV	0	10	9/29/2025 15:44:57
10	ICB	0	4	9/29/2025 15:49:17
11	xLLOQ	0	5	9/29/2025 15:53:51
12	ICSA	0	6	9/29/2025 15:58:25
13	SIC Multi	0	7	9/29/2025 16:03:23
14	LDR Check	0	8	9/29/2025 16:08:10
15	LLOQ	0	5	9/29/2025 16:32:20
16	LLOQ .01 Pb pass	1	1	9/29/2025 16:43:48
17	CCV	0	3	9/29/2025 16:48:19
18	CCB	0	4	9/29/2025 16:52:35
19	WG2119746-1 WG2119746	1	2	9/29/2025 17:16:51
20	WG2119746-2 WG2119746	1	3	9/29/2025 17:21:31
21	L2559350-05d200 WG2118218	1	9	9/29/2025 17:25:44
22	L2559669-01 WG2119746	1	7	9/29/2025 17:30:26
23	L2559669-03 WG2119746	1	8	9/29/2025 17:35:04
24	L2559150-01 WG2119746	1	4	9/29/2025 17:39:43
25	WG2119746-3 WG2119746	1	5	9/29/2025 17:44:17
26	WG2119746-4 WG2119746	1	6	9/29/2025 17:48:40
27	CCV	0	3	9/29/2025 17:53:15
28	CCB	0	4	9/29/2025 17:57:31
29	L2557076-02 WG2115668	1	15	9/29/2025 18:39:03
30	L2557076-04 WG2115668	1	16	9/29/2025 18:43:33
31	L2557076-05 WG2115668	1	17	9/29/2025 18:48:01
32	L2557076-07 WG2115668	1	18	9/29/2025 18:52:29
33	L2557076-08 WG2115668	1	19	9/29/2025 18:56:57
34	L2557076-06 WG2115668	1	10	9/29/2025 19:01:26
35	WG2115668-7 WG2115668	1	11	9/29/2025 19:05:57
36	WG2115668-8 WG2115668	1	12	9/29/2025 19:10:13
37	WG2115668-9 WG2115668	1	13	9/29/2025 19:14:45
38	WG2115668-10d5 WG2115668	1	14	9/29/2025 19:18:57
39	CCV	0	3	9/29/2025 19:55:28
40	CCB	0	4	9/29/2025 19:59:43
41	L2557076-09 WG2115668	1	20	9/29/2025 20:23:49
42	L2557076-10 WG2115668	1	21	9/29/2025 20:28:17
43	L2557788-01 WG2115668	1	22	9/29/2025 20:32:46
44	L2558023-01 WG2115668	1	23	9/29/2025 20:37:23
45	CCV	0	3	9/29/2025 20:53:55
46	CCB	0	4	9/29/2025 20:58:11
47	WG2118724-1 WG2118724	1	24	9/29/2025 21:22:02
48	WG2118724-2 WG2118724	1	25	9/29/2025 21:26:35
49	L2559062-01 WG2118724	1	31	9/29/2025 21:30:47
50	xL2559325-02 WG2118724	1	32	9/29/2025 21:35:15
51	eL2559325-01 WG2118724	1	26	9/29/2025 21:39:48
52	eWG2118724-3 WG2118724	1	27	9/29/2025 21:44:25
53	eWG2118724-4 WG2118724	1	28	9/29/2025 21:48:45
54	eWG2118724-5 WG2118724	1	29	9/29/2025 21:53:21
55	L2559325-01D5 WG2118724	1	30	9/29/2025 21:57:41
56	CCV	0	3	9/29/2025 22:22:53
57	CCB	0	4	9/29/2025 22:27:10
58	WG2116957-2 WG2116957	1	33	9/29/2025 22:58:07
59	L2558201-01 WG2116957	1	34	9/29/2025 23:02:19
60	L2558577-07 WG2116957	1	35	9/29/2025 23:06:48
61	L2558633-01 WG2116957	1	36	9/29/2025 23:11:19
62	L2558866-02 WG2116957	1	37	9/29/2025 23:15:49
63	L2558866-03 WG2116957	1	38	9/29/2025 23:20:17
64	L2559073-01 WG2116957	1	39	9/29/2025 23:24:44
65	CCV	0	3	9/29/2025 23:29:16
66	CCB	0	4	9/29/2025 23:33:32
67	CCV	0	3	9/29/2025 23:38:06
68	CCB	0	4	9/29/2025 23:42:22
69	CCV	0	3	9/30/2025 11:08:40
70	CCB	0	4	9/30/2025 11:12:56
71	eL2559325-02 WG2118724	1	44	9/30/2025 11:31:01
72	WG2118724-3D5 WG2118724	1	40	9/30/2025 11:35:34

Sequence Trace 7

9/30/2025 15:45:13



Index:	Label:	Rack	Vial	Start time:
73	WG2118724-4D5 WG2118724	1	41	9/30/2025 11:51:00
74	WG2118724-5D5 WG2118724	1	42	9/30/2025 11:55:39
75	WG2118724-6d25 WG2118724	1	43	9/30/2025 12:00:00
76	L2559325-02D20 WG2118724	1	45	9/30/2025 12:04:31
77	CCV	0	3	9/30/2025 12:28:30
78	CCB	0	4	9/30/2025 12:32:46
79	WG2120723-1 WG2120723	1	46	9/30/2025 13:27:04
80	WG2120723-2 WG2120723	1	47	9/30/2025 13:31:37
81	WG2120723-2 WG2120723	1	48	9/30/2025 13:35:49
82	L2560609-01D5 WG2120723	1	49	9/30/2025 13:40:22
83	WG2120723-3D5 WG2120723	1	50	9/30/2025 13:45:00
84	WG2120723-4D5 WG2120723	1	51	9/30/2025 13:49:30
85	WG2120723-5D5 WG2120723	1	52	9/30/2025 13:54:08
86	WG2120723-6D25 WG2120723	1	53	9/30/2025 13:58:28
87	CCV	0	3	9/30/2025 14:12:50
88	CCB	0	4	9/30/2025 14:17:05
89	eL2560609-01D20 WG2120723	1	54	9/30/2025 14:22:02
90	eWG2120723-3D20 WG2120723	1	55	9/30/2025 14:26:42
91	eWG2120723-4D20 WG2120723	1	56	9/30/2025 14:31:20
92	eWG2120723-5D20 WG2120723	1	57	9/30/2025 14:36:01
93	eWG2120723-6D100 WG2120723	1	58	9/30/2025 14:40:23
94	CCV	0	3	9/30/2025 14:44:56
95	CCB	0	4	9/30/2025 14:49:12



METALS ELN REPORT

Workgroup: WG2115668

Digestion										
Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3	tHNO3091525RC	1:1 HCl	tHCL091625AJJ	METALS	METSPIKE2	IPS, FPS, MIX	METSPIKE2	IPS, FPS, MIX	140, 390

Additional Reagent/Std

Sample/Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2554954-01 SAMP	09/17/25 18:29	Maisie Mcqueen		<2		09/17/25 18:29	9	94.5		50	20x (2.5mL) and 50x (1mL) prepped
L2557076-02 SAMP	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
L2557076-03 SAMP	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
L2557076-04 SAMP	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
L2557076-05 SAMP	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
L2557076-06 SAMP	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
L2557076-07 SAMP	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
L2557076-08 SAMP	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
L2557076-09 SAMP	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
L2557076-10 SAMP	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	



METALS ELN REPORT

Workgroup: WG2115668

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2557788-01 SAMP	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
L2557794-01 WATER	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
L2558023-01 SAMP	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
L2558469-01 SAMP	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
WG2115668-1 BLANK	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	FM2536091019 AJT
WG2115668-2 LCS	09/16/25 21:28	Maisie Mcqueen	50	<2	0.5	09/16/25 21:28	7	94.7	09/17/25 00:28	50	ELN: AJJ
WG2115668-3 MS	09/16/25 21:28	Maisie Mcqueen	50	<2	0.5	09/16/25 21:28	7	94.7	09/17/25 00:28	50	
WG2115668-4 DUP	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
WG2115668-5 PS	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
WG2115668-6 SERDIL	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
WG2115668-7 MS	09/16/25 21:28	Maisie Mcqueen	50	<2	0.5	09/16/25 21:28	7	94.7	09/17/25 00:28	50	
WG2115668-8 DUP	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	



METALS ELN REPORT

Workgroup: WG2115668

Sample/ Type	Digestion Date	Analyst	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG2115668-9 PS	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	
WG2115668-10 SERDIL	09/16/25 21:28	Maisie Mcqueen	50	<2		09/16/25 21:28	7	94.7	09/17/25 00:28	50	IPS253429010 6CBP

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml



METALS ELN REPORT

Workgroup: WG2115674

Digestion										
Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3	tHNO3253601 90125AJJ	1:1 HCl	tHCL253504 0113AJJ	METALS	METSPIKE2	IPS, FPS, MIX	METSPIKE2	IPS, FPS, MIX	140, 390

Additional Reagent/Std												
Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol ml	Comments
L2556911-11 SAMP	09/16/25 21:36	Abigail Jarvis	09-14-25 21:54	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
L2556911-13 SAMP	09/16/25 21:36	Abigail Jarvis	09-14-25 21:54	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
L2556911-15 SAMP	09/16/25 21:36	Abigail Jarvis	09-14-25 21:54	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
L2556911-17 SAMP	09/16/25 21:36	Abigail Jarvis	09-14-25 21:54	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
L2557076-02 SAMP	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
L2557076-03 SAMP	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
L2557076-04 SAMP	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
L2557076-05 SAMP	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
L2557076-06 SAMP	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
L2557076-07 SAMP	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	



METALS ELN REPORT

Workgroup: WG2115674

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol ml	Comments
L2557076-08 SAMP	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
L2557076-09 SAMP	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
L2557076-10 SAMP	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
L2557734-01 WATER	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
WG2115674-1 BLANK	09/16/25 21:36	Abigail Jarvis	09/14/25 21:54	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	ELN: mgm
WG2115674-2 LCS	09/16/25 21:36	Abigail Jarvis	NA	50	<2	0.5	09/16/25 21:36	12	95.0	09/17/25 00:36	50	FM2536091019 AJT
WG2115674-3 MS	09/16/25 21:36	Abigail Jarvis	NA	50	<2	0.5	09/16/25 21:36	12	95.0	09/17/25 00:36	50	IPS253429010 6CBP
WG2115674-4 DUP	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
WG2115674-5 PS	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
WG2115674-6 SERDIL	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
WG2115674-7 MS	09/16/25 21:36	Abigail Jarvis	NA	50	<2	0.5	09/16/25 21:36	12	95.0	09/17/25 00:36	50	
WG2115674-8 DUP	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	



METALS ELN REPORT

Workgroup: WG2115674

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol ml	Comments
WG2115674-9 PS	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	
WG2115674-10 SERDIL	09/16/25 21:36	Abigail Jarvis	NA	50	<2		09/16/25 21:36	12	95.0	09/17/25 00:36	50	

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml

Inorganic Data (Mercury Analysis)

Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-04
 Client ID : 5B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2116559.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/18/25 16:18
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-05
Client ID : 6A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2116559.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 08:00
Date Received : 09/10/25
Date Analyzed : 09/18/25 16:28
Dilution Factor : 1
Analyst : JWN
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115669-1
Client ID : WG2115669-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2116559.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2557076
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/18/25 16:12
Dilution Factor : 1
Analyst : JWN
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115669-4
Client ID : 5BDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2116559.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 12:20
Date Received : 09/10/25
Date Analyzed : 09/18/25 16:25
Dilution Factor : 1
Analyst : JWN
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.0001	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115669-6
 Client ID : 6ADUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2116559.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:00
 Date Received : 09/10/25
 Date Analyzed : 09/18/25 16:42
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.0001	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-02
 Client ID : FIELD BLANK
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:40
 Date Received : 09/10/25
 Date Analyzed : 09/19/25 17:11
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-03
 Client ID : 5A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/19/25 17:01
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-04
Client ID : 5B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2117043.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 12:20
Date Received : 09/10/25
Date Analyzed : 09/19/25 17:14
Dilution Factor : 1
Analyst : JWN
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-05
 Client ID : 6A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:00
 Date Received : 09/10/25
 Date Analyzed : 09/19/25 17:17
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/19/25 17:21
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-07
Client ID : 7A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2117043.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 09:40
Date Received : 09/10/25
Date Analyzed : 09/19/25 17:24
Dilution Factor : 1
Analyst : JWN
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/19/25 17:34
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-09
 Client ID : 10A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:05
 Date Received : 09/10/25
 Date Analyzed : 09/19/25 17:37
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-10
 Client ID : 10B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117043.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 10:55
 Date Received : 09/10/25
 Date Analyzed : 09/19/25 17:40
 Dilution Factor : 1
 Analyst : JWN
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115676-1
Client ID : WG2115676-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2117043.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2557076
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/19/25 16:54
Dilution Factor : 1
Analyst : JWN
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115676-4
Client ID : 5ADUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2117043.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 12:20
Date Received : 09/10/25
Date Analyzed : 09/19/25 17:07
Dilution Factor : 1
Analyst : JWN
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.0001	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-02
Client ID : FIELD BLANK
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2117699.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 11:40
Date Received : 09/10/25
Date Analyzed : 09/21/25 18:05
Dilution Factor : 1
Analyst : CME
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-03
 Client ID : 5A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117699.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/21/25 18:09
 Dilution Factor : 1
 Analyst : CME
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-06
Client ID : 6B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2117699.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 08:25
Date Received : 09/10/25
Date Analyzed : 09/21/25 18:12
Dilution Factor : 1
Analyst : CME
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-07
Client ID : 7A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2117699.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 09:40
Date Received : 09/10/25
Date Analyzed : 09/21/25 18:15
Dilution Factor : 1
Analyst : CME
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117699.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/21/25 18:25
 Dilution Factor : 1
 Analyst : CME
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-09
Client ID : 10A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2117699.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 11:05
Date Received : 09/10/25
Date Analyzed : 09/21/25 18:29
Dilution Factor : 1
Analyst : CME
Instrument ID : NIC3
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-10
 Client ID : 10B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2117699.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 10:55
 Date Received : 09/10/25
 Date Analyzed : 09/21/25 18:32
 Dilution Factor : 1
 Analyst : CME
 Instrument ID : NIC3
 %Solids : N/A
 Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : NIC3

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		R2012396-1			R2012396-3			R2012396-5		R2012396-7	
		09/18/25 11:34			09/18/25 12:45			09/18/25 13:22		09/18/25 13:55	
		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Mercury		0.00300	0.0029	97	0.0050	0.00510	102	0.00520	103	0.00520	103

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : NIC3

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2012396-9			R2012396-11		R2012396-13	
					09/18/25 16:35			09/18/25 17:14		09/18/25 18:00	
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00520	104	0.00510	102	0.00510	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : NIC3

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)							
	Lab ID	Date Analyzed		Lab ID	Date Analyzed						
	R2012977-1	09/19/25 10:02		R2012977-3	09/19/25 11:22		R2012977-5	09/19/25 12:02		R2012977-7	09/19/25 13:30
	True	Found	%R	True	Found	%R	Found	%R	Found	%R	
Mercury	0.00300	0.0029	97	0.0050	0.00520	105	0.00520	104	0.00500	99	

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : NIC3

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2012977-9			R2012977-11		R2012977-13	
					09/19/25 13:43			09/19/25 14:17		09/19/25 17:27	
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00500	100	0.00490	97	0.00500	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : NIC3

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)					
	True	Found	%R	True	Found	%R	Found	%R	Found
Lab ID :				R2012977-15					
Date Analyzed:				09/19/25 18:07					
Mercury				0.0050	0.00500	99			

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Instrument ID : NIC3

Lab Number : L2557076
 Project Number : BSD1504
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	Lab ID	: R2013450-1		R2013450-3			R2013450-5			
	Date Analyzed	: 09/21/25 17:07		09/21/25 18:19			09/21/25 18:58			
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Mercury	0.00300	0.0029	95	0.0050	0.00510	103	0.00520	103		

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: NIC3		

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID	: R2012396-2		R2012396-4		R2012396-6		R2012396-8	
Date Analyzed:	09/18/25 11:38		09/18/25 12:49		09/18/25 13:25		09/18/25 13:58	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury	0.0000910	U	0.0000910	U	0.0000910	U	0.0000910	U



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: NIC3		

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :			R2012396-10		R2012396-12		R2012396-14	
Date Analyzed :			09/18/25 16:38		09/18/25 17:18		09/18/25 18:03	
Mercury			0.0000910 U		0.0000910 U		0.0000910 U	



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: NIC3		

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID	: R2012977-2		R2012977-4		R2012977-6		R2012977-8	
Date Analyzed:	09/19/25 10:06		09/19/25 11:25		09/19/25 12:05		09/19/25 13:33	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury	0.0000910	U	0.000122	J	0.000121	J	0.0000910	U



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: NIC3		

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank
	mg/l	Q	mg/l	Q	mg/l	Q	Q
Lab ID :			R2012977-10		R2012977-12		R2012977-14
Date Analyzed :			09/19/25 13:47		09/19/25 14:21		09/19/25 17:31
Mercury			0.0000910 U		0.000168 J		0.0000910 U



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: NIC3		

	Initial Calibration Blank		Continuing Calibration Blank(s)		Preparation Blank
Lab ID :			R2012977-16		
Date Analyzed:			09/19/25 18:10		
Parameter	mg/l	Q	mg/l	Q	mg/l
Mercury			0.0000910	U	



Form 3 Blanks

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Instrument ID	: NIC3		

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID	: R2013450-2		R2013450-4		R2013450-6			
Date Analyzed:	09/21/25 17:10		09/21/25 18:22		09/21/25 19:02			
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury	0.0000910 U		0.0000910 U		0.0000910 U			



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 5B
 Lab Sample ID : L2557076-04
 Matrix Spike : WG2115669-3
 Matrix Spike Dup :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/18/25 16:22
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Mercury, Total	ND	0.005	0.00454	91					70-130	20



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 6A
 Lab Sample ID : L2557076-05
 Matrix Spike : WG2115669-5
 Matrix Spike Dup :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/18/25 16:32
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Mercury, Total	ND	0.005	0.00461	92					70-130	20



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 5A
 Lab Sample ID : L2557076-03
 Matrix Spike : WG2115676-3
 Matrix Spike Dup :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/19/25 17:04
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Mercury, Dissolved	ND	0.005	0.00479	96					75-125	20



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 5B	Matrix	: WATER
Lab Sample ID	: L2557076-04	Analysis Date	: 09/18/25 16:18
Dup Sample ID	: WG2115669-4	DUP Analysis Date	: 09/18/25 16:25

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Total	ND	ND	NC	20



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 6A	Matrix	: WATER
Lab Sample ID	: L2557076-05	Analysis Date	: 09/18/25 16:28
Dup Sample ID	: WG2115669-6	DUP Analysis Date	: 09/18/25 16:42

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Total	ND	ND	NC	20



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 5A	Matrix	: WATER
Lab Sample ID	: L2557076-03	Analysis Date	: 09/19/25 17:01
Dup Sample ID	: WG2115676-4	DUP Analysis Date	: 09/19/25 17:07

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Dissolved	ND	ND	NC	20



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2115669-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/18/25 17:57
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Mercury, Total	0.00100	0.000870	88.					85-115	20



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2115676-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/19/25 16:58
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Mercury, Dissolved	0.00100	0.000930	93.					85-115	20



Form 12

Preparation Log

Client : P. W. Grosser Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL Project Number : BSD1504
Matrix : WATER Prep Method : EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2557076-04	09/16/25 22:37	-	25
L2557076-05	09/16/25 22:37	-	25
WG2115669-1	09/16/25 22:37	-	25
WG2115669-2	09/16/25 22:37	-	25
WG2115669-3	09/16/25 22:37	-	25
WG2115669-4	09/16/25 22:37	-	25
WG2115669-5	09/16/25 22:37	-	25
WG2115669-6	09/16/25 22:37	-	25



Form 12

Preparation Log

Client : P. W. Grosser Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL Project Number : BSD1504
Matrix : WATER Prep Method : EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2557076-02	09/16/25 23:13	-	25
L2557076-03	09/16/25 23:13	-	25
L2557076-04	09/16/25 23:13	-	25
L2557076-05	09/16/25 23:13	-	25
L2557076-06	09/16/25 23:13	-	25
L2557076-07	09/16/25 23:13	-	25
L2557076-08	09/16/25 23:13	-	25
L2557076-09	09/16/25 23:13	-	25
L2557076-10	09/16/25 23:13	-	25
WG2115676-1	09/16/25 23:13	-	25
WG2115676-2	09/16/25 23:13	-	25
WG2115676-3	09/16/25 23:13	-	25
WG2115676-4	09/16/25 23:13	-	25



Form 12

Preparation Log

Client : P. W. Grosser Lab Number : L2557076
Project Name : ROANOKE SAND AND GRAVEL Project Number : BSD1504
Matrix : WATER Prep Method : EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2557076-02	09/16/25 22:37	-	25
L2557076-03	09/16/25 22:37	-	25
L2557076-06	09/16/25 22:37	-	25
L2557076-07	09/16/25 22:37	-	25
L2557076-08	09/16/25 22:37	-	25
L2557076-09	09/16/25 22:37	-	25
L2557076-10	09/16/25 22:37	-	25



Form 13

Analysis Run Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : NIC3
Start Date : 09/18/25 11:34

Lab Number : L2557076
Project Number : BSD1504
Analysis Method : 3,245.1
End Date : 09/18/25 18:03

[illegible]

Form 13

Analysis Run Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : NIC3
Start Date : 09/19/25 10:02

Lab Number : L2557076
Project Number : BSD1504
Analysis Method : 3,245.1
End Date : 09/19/25 18:10

[illegible]

Form 13

Analysis Run Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : NIC3
Start Date : 09/19/25 10:02

Lab Number : L2557076
Project Number : BSD1504
Analysis Method : 3,245.1
End Date : 09/19/25 18:10

[illegible]

Form 13

Analysis Run Log

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Instrument ID : NIC3
Start Date : 09/21/25 17:07

Lab Number : L2557076
Project Number : BSD1504
Analysis Method : 3,245.1
End Date : 09/21/25 19:02

[illegible]

Date Created: 03/19/18
Created By: Jason Hebert
File: PM4631-1
Page: 1

MERCURY by 7470A, 245.1 (WATER)

[illegible]

Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9836-1
Page: 1

METALS by 7470A (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9837-1
Page: 1

METALS by 7471B (SOIL)

[illegible]

Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

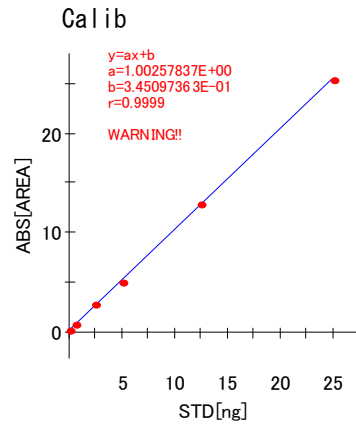
Title :
Date : 09/18/2025
Name :

Method

STD
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time(sec) : 120sec



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.3233	-0.0217	-	09/18/2025 10:50	JWN,NIC3
2	0.200	2.500	2.500	2.500	0.500	0.9100	0.5634	12.7	09/18/2025 10:53	JWN,NIC3
3	1.000	2.500	2.500	2.500	2.500	2.9332	2.5814	3.3	09/18/2025 10:56	JWN,NIC3
4	2.000	2.500	2.500	2.500	5.000	5.1459	4.7885	4.2	09/18/2025 11:00	JWN,NIC3
5	5.000	2.500	2.500	2.500	12.500	12.9886	12.6110	0.9	09/18/2025 11:03	JWN,NIC3
6	10.000	2.500	2.500	2.500	25.000	25.3869	24.9774	0.1	09/18/2025 11:06	JWN,NIC3

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
1	XICV	2.500	2.500	2.500	7.4441	7.0807	2.832	-	09/18/2025 11:24	JWN,NIC3
2	XICB	2.500	2.500	2.500	0.3246	-0.0204	-0.008	-	09/18/2025 11:27	JWN,NIC3
3	ICV	2.500	2.500	2.500	7.6423	7.2784	2.911	-	09/18/2025 11:34	JWN,NIC3
4	ICB	2.500	2.500	2.500	0.3362	-0.0089	-0.004	-	09/18/2025 11:38	JWN,NIC3
5	WG2116381-1 WG2116381	2.500	2.500	2.500	0.0335	-0.3108	-0.124	-	09/18/2025 11:43	JWN,NIC3
6	WG2116381-2 WG2116381	2.500	2.500	2.500	2.4876	2.1370	0.855	-	09/18/2025 11:46	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
7	WG2116381-3 WG2116381	2.500	2.500	2.500	2.5270	2.1763	0.871	-	09/18/2025 11:50	JWN,NIC3
8	L2558382-01 WG2116381	2.500	2.500	2.500	0.3595	0.0144	0.006	-	09/18/2025 11:53	JWN,NIC3
9	L2558409-01 WG2116381	2.500	2.500	2.500	0.0355	-0.3088	-0.124	-	09/18/2025 11:56	JWN,NIC3
10	0.2 PPB	2.500	2.500	2.500	1.1007	0.7537	0.301	-	09/18/2025 12:42	JWN,NIC3
11	Check STD(5ug/L)	2.500	2.500	2.500	13.1198	12.7418	5.097	101.9	09/18/2025 12:45	JWN,NIC3
12	Check Blank	2.500	2.500	2.500	0.3609	0.0158	0.006	-	09/18/2025 12:49	JWN,NIC3
13	WG2116471-1 WG2116471	2.500	2.500	2.500	0.0285	-0.3158	-0.126	-	09/18/2025 12:59	JWN,NIC3
14	WG2116471-2 WG2116471	2.500	2.500	2.500	2.4895	2.1389	0.856	-	09/18/2025 13:02	JWN,NIC3
15	L2557802-01 WG2116471	2.500	2.500	2.500	0.0535	-0.2908	-0.116	-	09/18/2025 13:05	JWN,NIC3
16	WG2116471-3 WG2116471	2.500	2.500	2.500	11.8513	11.4766	4.591	-	09/18/2025 13:09	JWN,NIC3
17	WG2116471-4 WG2116471	2.500	2.500	2.500	0.0450	-0.2993	-0.120	-	09/18/2025 13:12	JWN,NIC3
18	L2558288-01 WG2116471	2.500	2.500	2.500	0.0306	-0.3137	-0.125	-	09/18/2025 13:15	JWN,NIC3
19	L2558288-02 WG2116471	2.500	2.500	2.500	0.0322	-0.3121	-0.125	-	09/18/2025 13:19	JWN,NIC3
20	Check STD(5ug/L)	2.500	2.500	2.500	13.2757	12.8973	5.159	103.2	09/18/2025 13:22	JWN,NIC3
21	Check Blank	2.500	2.500	2.500	0.3709	0.0257	0.010	-	09/18/2025 13:25	JWN,NIC3
22	L2557802-02 WG2116471	2.500	2.500	2.500	0.0368	-0.3075	-0.123	-	09/18/2025 13:29	JWN,NIC3
23	L2557802-03 WG2116471	2.500	2.500	2.500	0.0397	-0.3046	-0.122	-	09/18/2025 13:32	JWN,NIC3
24	L2557802-04 WG2116471	2.500	2.500	2.500	0.0389	-0.3054	-0.122	-	09/18/2025 13:35	JWN,NIC3
25	L2557985-01 WG2116471	2.500	2.500	2.500	0.0367	-0.3076	-0.123	-	09/18/2025 13:39	JWN,NIC3
26	L2557985-03 WG2116471	2.500	2.500	2.500	0.0311	-0.3132	-0.125	-	09/18/2025 13:42	JWN,NIC3
27	L2557985-05 WG2116471	2.500	2.500	2.500	0.0355	-0.3088	-0.124	-	09/18/2025 13:45	JWN,NIC3
28	L2557985-07 WG2116471	2.500	2.500	2.500	0.0354	-0.3089	-0.124	-	09/18/2025 13:48	JWN,NIC3
29	L2557985-09 WG2116471	2.500	2.500	2.500	0.0337	-0.3106	-0.124	-	09/18/2025 13:52	JWN,NIC3
30	Check STD(5ug/L)	2.500	2.500	2.500	13.2836	12.9052	5.162	103.2	09/18/2025 13:55	JWN,NIC3
31	Check Blank	2.500	2.500	2.500	0.3922	0.0470	0.019	-	09/18/2025 13:58	JWN,NIC3
32	WG2115669-1 WG2115669	2.500	2.500	2.500	0.0499	-0.2944	-0.118	-	09/18/2025 16:12	JWN,NIC3
33	XWG2115669-2 WG2115669	2.500	2.500	2.500	2.4010	2.0506	0.820	-	09/18/2025 16:15	JWN,NIC3
34	L2557076-04 WG2115669	2.500	2.500	2.500	0.0601	-0.2843	-0.114	-	09/18/2025 16:18	JWN,NIC3
35	WG2115669-3 WG2115669	2.500	2.500	2.500	11.7237	11.3493	4.540	-	09/18/2025 16:22	JWN,NIC3
36	WG2115669-4 WG2115669	2.500	2.500	2.500	0.0588	-0.2856	-0.114	-	09/18/2025 16:25	JWN,NIC3
37	L2557076-05 WG2115669	2.500	2.500	2.500	0.0523	-0.2920	-0.117	-	09/18/2025 16:28	JWN,NIC3
38	WG2115669-5 WG2115669	2.500	2.500	2.500	11.9220	11.5471	4.619	-	09/18/2025 16:32	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
39	Check STD(5ug/L)	2.500	2.500	2.500	13.3466	12.9681	5.187	103.7	09/18/2025 16:35	JWN,NIC3
40	Check Blank	2.500	2.500	2.500	0.3742	0.0290	0.012	-	09/18/2025 16:38	JWN,NIC3
41	WG2115669-6 WG2115669	2.500	2.500	2.500	0.0534	-0.2909	-0.116	-	09/18/2025 16:42	JWN,NIC3
42	L2557794-01 WG2115669	2.500	2.500	2.500	0.0587	-0.2857	-0.114	-	09/18/2025 16:45	JWN,NIC3
43	WG2116580-1 WG2116580	2.500	2.500	2.500	0.0266	-0.3177	-0.127	-	09/18/2025 16:48	JWN,NIC3
44	WG2116580-2 WG2116580	2.500	2.500	2.500	2.4245	2.0741	0.830	-	09/18/2025 16:51	JWN,NIC3
45	L2557253-01 WG2116580	2.500	2.500	2.500	0.0901	-0.2543	-0.102	-	09/18/2025 16:55	JWN,NIC3
46	WG2116580-3 WG2116580	2.500	2.500	2.500	11.7936	11.4191	4.568	-	09/18/2025 16:58	JWN,NIC3
47	WG2116580-4 WG2116580	2.500	2.500	2.500	0.0851	-0.2593	-0.104	-	09/18/2025 17:01	JWN,NIC3
48	L2558093-03 WG2116580	2.500	2.500	2.500	0.0625	-0.2819	-0.113	-	09/18/2025 17:05	JWN,NIC3
49	L2558093-06 WG2116580	2.500	2.500	2.500	0.0964	-0.2481	-0.099	-	09/18/2025 17:08	JWN,NIC3
50	L2558093-09 WG2116580	2.500	2.500	2.500	0.0907	-0.2537	-0.101	-	09/18/2025 17:11	JWN,NIC3
51	Check STD(5ug/L)	2.500	2.500	2.500	13.1624	12.7843	5.114	102.3	09/18/2025 17:14	JWN,NIC3
52	Check Blank	2.500	2.500	2.500	0.4628	0.1174	0.047	-	09/18/2025 17:18	JWN,NIC3
53	L2558093-13 WG2116580	2.500	2.500	2.500	0.0773	-0.2671	-0.107	-	09/18/2025 17:21	JWN,NIC3
54	WG2116457-1 WG2116457	2.500	2.500	2.500	0.0279	-0.3164	-0.127	-	09/18/2025 17:30	JWN,NIC3
55	WG2116457-2 WG2116457	2.500	2.500	2.500	2.5085	2.1578	0.863	-	09/18/2025 17:34	JWN,NIC3
56	L2557824-01 WG2116457	2.500	2.500	2.500	0.0475	-0.2968	-0.119	-	09/18/2025 17:37	JWN,NIC3
57	WG2116457-3 WG2116457	2.500	2.500	2.500	12.4741	12.0978	4.839	-	09/18/2025 17:40	JWN,NIC3
58	WG2116457-4 WG2116457	2.500	2.500	2.500	0.0532	-0.2911	-0.116	-	09/18/2025 17:43	JWN,NIC3
59	L2557824-02 WG2116457	2.500	2.500	2.500	0.1927	-0.1520	-0.061	-	09/18/2025 17:47	JWN,NIC3
60	L2558770-01 WG2116457	2.500	2.500	2.500	0.0335	-0.3108	-0.124	-	09/18/2025 17:50	JWN,NIC3
61	L2558770-02 WG2116457	2.500	2.500	2.500	0.0360	-0.3083	-0.123	-	09/18/2025 17:53	JWN,NIC3
62	WG2115669-2 WG2115669	2.500	2.500	2.500	2.5494	2.1986	0.879	-	09/18/2025 17:57	JWN,NIC3
63	Check STD(5ug/L)	2.500	2.500	2.500	13.1610	12.7829	5.113	102.3	09/18/2025 18:00	JWN,NIC3
64	Check Blank	2.500	2.500	2.500	0.4633	0.1179	0.047	-	09/18/2025 18:03	JWN,NIC3
65	WG2116422-2 WG2116422	2.500	2.500	2.500	2.4756	2.1250	0.850	-	09/18/2025 18:07	JWN,NIC3
66	L2557289-01 WG2116422	2.500	2.500	2.500	0.0213	-0.3230	-0.129	-	09/18/2025 18:10	JWN,NIC3
67	WG2116422-3 WG2116422	2.500	2.500	2.500	12.1294	11.7540	4.702	-	09/18/2025 18:13	JWN,NIC3
68	WG2116422-4 WG2116422	2.500	2.500	2.500	0.0330	-0.3113	-0.125	-	09/18/2025 18:16	JWN,NIC3
69	L2557289-02 WG2116422	2.500	2.500	2.500	0.0329	-0.3114	-0.125	-	09/18/2025 18:20	JWN,NIC3
70	L2557289-03 WG2116422	2.500	2.500	2.500	0.0299	-0.3144	-0.126	-	09/18/2025 18:23	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recover [%]	M. TIME	Note
71	L2557289-04 WG2116422	2.500	2.500	2.500	0.0320	-0.3123	-0.125	-	09/18/2025 18:26	JWN,NIC3
72	L2557289-06 WG2116422	2.500	2.500	2.500	0.0406	-0.3037	-0.121	-	09/18/2025 18:30	JWN,NIC3
73	L2557289-07 WG2116422	2.500	2.500	2.500	0.2093	-0.1354	-0.054	-	09/18/2025 18:33	JWN,NIC3
74	L2557289-08 WG2116422	2.500	2.500	2.500	0.1552	-0.1894	-0.076	-	09/18/2025 18:36	JWN,NIC3
75	Check STD(5ug/L)	2.500	2.500	2.500	13.2038	12.8256	5.130	102.6	09/18/2025 18:40	JWN,NIC3
76	Check Blank	2.500	2.500	2.500	0.4656	0.1202	0.048	-	09/18/2025 18:43	JWN,NIC3
77	WG2116422-1 WG2116422	2.500	2.500	2.500	0.0242	-0.3201	-0.128	-	09/18/2025 18:46	JWN,NIC3
78	WG2116590-1 WG2116590	2.500	2.500	2.500	0.0531	-0.2912	-0.116	-	09/18/2025 18:59	JWN,NIC3
79	WG2116590-2 WG2116590	2.500	2.500	2.500	2.5118	2.1611	0.864	-	09/18/2025 19:02	JWN,NIC3
80	L2558272-01 WG2116590	2.500	2.500	2.500	0.0502	-0.2941	-0.118	-	09/18/2025 19:05	JWN,NIC3
81	WG2116590-3 WG2116590	2.500	2.500	2.500	12.2070	11.8314	4.733	-	09/18/2025 19:09	JWN,NIC3
82	WG2116590-4 WG2116590	2.500	2.500	2.500	0.0499	-0.2944	-0.118	-	09/18/2025 19:12	JWN,NIC3
83	WG2116287-1 WG2116287	2.500	2.500	2.500	0.0322	-0.3121	-0.125	-	09/18/2025 19:15	JWN,NIC3
84	WG2116287-2 WG2116287	2.500	2.500	2.500	2.5464	2.1956	0.878	-	09/18/2025 19:19	JWN,NIC3
85	L2558533-01 WG2116287	2.500	2.500	2.500	0.0355	-0.3088	-0.124	-	09/18/2025 19:22	JWN,NIC3
86	WG2116287-3 WG2116287	2.500	2.500	2.500	12.4971	12.1208	4.848	-	09/18/2025 19:25	JWN,NIC3
87	Check STD(5ug/L)	2.500	2.500	2.500	13.1793	12.8012	5.120	102.4	09/18/2025 19:29	JWN,NIC3
88	Check Blank	2.500	2.500	2.500	0.4708	0.1254	0.050	-	09/18/2025 19:32	JWN,NIC3
89	WG2116287-4 WG2116287	2.500	2.500	2.500	0.0457	-0.2986	-0.119	-	09/18/2025 19:35	JWN,NIC3
90	L2558533-02 WG2116287	2.500	2.500	2.500	0.0426	-0.3017	-0.121	-	09/18/2025 19:39	JWN,NIC3
91	L2558533-03 WG2116287	2.500	2.500	2.500	0.0408	-0.3035	-0.121	-	09/18/2025 19:42	JWN,NIC3
92	L2558533-04 WG2116287	2.500	2.500	2.500	0.0384	-0.3059	-0.122	-	09/18/2025 19:45	JWN,NIC3
93	L2558533-05 WG2116287	2.500	2.500	2.500	0.0433	-0.3010	-0.120	-	09/18/2025 19:49	JWN,NIC3
94	L2558533-06 WG2116287	2.500	2.500	2.500	0.1104	-0.2341	-0.094	-	09/18/2025 19:52	JWN,NIC3
95	L2558533-07 WG2116287	2.500	2.500	2.500	0.0891	-0.2553	-0.102	-	09/18/2025 19:55	JWN,NIC3
96	L2558533-08 WG2116287	2.500	2.500	2.500	0.0364	-0.3079	-0.123	-	09/18/2025 19:59	JWN,NIC3
97	L2558533-09 WG2116287	2.500	2.500	2.500	0.0363	-0.3080	-0.123	-	09/18/2025 20:02	JWN,NIC3
98	L2558533-11 WG2116287	2.500	2.500	2.500	0.0335	-0.3108	-0.124	-	09/18/2025 20:05	JWN,NIC3
99	Check STD(5ug/L)	2.500	2.500	2.500	12.7225	12.3456	4.938	98.8	09/18/2025 20:09	JWN,NIC3
100	Check Blank	2.500	2.500	2.500	0.4733	0.1279	0.051	-	09/18/2025 20:12	JWN,NIC3
101	L2558533-12 WG2116287	2.500	2.500	2.500	0.0338	-0.3105	-0.124	-	09/18/2025 20:15	JWN,NIC3
102	L2557290-01 WG2115512	2.500	2.500	2.500	0.0822	-0.2622	-0.105	-	09/18/2025 20:19	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
103	L2557290-02 WG2115512	2.500	2.500	2.500	0.4056	0.0603	0.024	-	09/18/2025 20:22	JWN,NIC3
104	L2557290-03 WG2115512	2.500	2.500	2.500	0.0690	-0.2754	-0.110	-	09/18/2025 20:25	JWN,NIC3
105	L2557290-04 WG2115512	2.500	2.500	2.500	0.0716	-0.2728	-0.109	-	09/18/2025 20:28	JWN,NIC3
106	L2557290-05 WG2115512	2.500	2.500	2.500	0.0875	-0.2569	-0.103	-	09/18/2025 20:32	JWN,NIC3
107	L2557290-06 WG2115512	2.500	2.500	2.500	0.0709	-0.2735	-0.109	-	09/18/2025 20:35	JWN,NIC3
108	L2557290-07 WG2115512	2.500	2.500	2.500	0.0797	-0.2647	-0.106	-	09/18/2025 20:38	JWN,NIC3
109	L2557290-08 WG2115512	2.500	2.500	2.500	0.0707	-0.2737	-0.109	-	09/18/2025 20:42	JWN,NIC3
110	L2558026-01 WG2115512	2.500	2.500	2.500	0.0789	-0.2655	-0.106	-	09/18/2025 20:45	JWN,NIC3
111	Check STD(5ug/L)	2.500	2.500	2.500	12.7779	12.4008	4.960	99.2	09/18/2025 20:48	JWN,NIC3
112	Check Blank	2.500	2.500	2.500	0.0051	-0.3391	-0.136	-	09/18/2025 20:52	JWN,NIC3
113	L2558026-02 WG2115512	2.500	2.500	2.500	0.0696	-0.2748	-0.110	-	09/18/2025 20:55	JWN,NIC3
114	L2558026-03 WG2115512	2.500	2.500	2.500	0.0699	-0.2745	-0.110	-	09/18/2025 20:58	JWN,NIC3
115	L2558026-04 WG2115512	2.500	2.500	2.500	0.0711	-0.2733	-0.109	-	09/18/2025 21:01	JWN,NIC3
116	L2558093-14 WG2115512	2.500	2.500	2.500	0.0707	-0.2737	-0.109	-	09/18/2025 21:05	JWN,NIC3
117	L2558093-15 WG2115512	2.500	2.500	2.500	0.1039	-0.2406	-0.096	-	09/18/2025 21:08	JWN,NIC3
118	L2558093-17 WG2115512	2.500	2.500	2.500	0.0706	-0.2738	-0.110	-	09/18/2025 21:11	JWN,NIC3
119	L2558093-18 WG2115512	2.500	2.500	2.500	0.0658	-0.2786	-0.111	-	09/18/2025 21:15	JWN,NIC3
120	L2558093-19 WG2115512	2.500	2.500	2.500	0.0644	-0.2800	-0.112	-	09/18/2025 21:18	JWN,NIC3
121	WG2115371-1 WG2115371	2.500	2.500	2.500	0.1307	-0.2138	-0.086	-	09/18/2025 22:32	JWN,NIC3
122	WG2115371-2 WG2115371	2.500	2.500	2.500	2.5861	2.2352	0.894	-	09/18/2025 22:36	JWN,NIC3
123	Check STD(5ug/L)	2.500	2.500	2.500	12.7055	12.3286	4.931	98.6	09/18/2025 22:39	JWN,NIC3
124	Check Blank	2.500	2.500	2.500	0.0041	-0.3401	-0.136	-	09/18/2025 22:42	JWN,NIC3
125	L2557776-01 WG2115371	2.500	2.500	2.500	0.1670	-0.1776	-0.071	-	09/18/2025 22:46	JWN,NIC3
126	WG2115371-3 WG2115371	2.500	2.500	2.500	12.4596	12.0833	4.833	-	09/18/2025 22:49	JWN,NIC3
127	WG2115371-4 WG2115371	2.500	2.500	2.500	0.1343	-0.2103	-0.084	-	09/18/2025 22:53	JWN,NIC3
128	L2557776-02 WG2115371	2.500	2.500	2.500	0.1984	-0.1463	-0.059	-	09/18/2025 22:56	JWN,NIC3
129	L2557776-04 WG2115371	2.500	2.500	2.500	0.3174	-0.0276	-0.011	-	09/18/2025 22:59	JWN,NIC3
130	L2557776-05 WG2115371	2.500	2.500	2.500	0.3710	0.0258	0.010	-	09/18/2025 23:02	JWN,NIC3
131	L2557776-06 WG2115371	2.500	2.500	2.500	0.2737	-0.0712	-0.028	-	09/18/2025 23:06	JWN,NIC3
132	L2557776-07 WG2115371	2.500	2.500	2.500	0.2520	-0.0929	-0.037	-	09/18/2025 23:09	JWN,NIC3
133	L2557776-08 WG2115371	2.500	2.500	2.500	0.2823	-0.0626	-0.025	-	09/18/2025 23:12	JWN,NIC3
134	L2557776-09 WG2115371	2.500	2.500	2.500	0.3378	-0.0073	-0.003	-	09/18/2025 23:16	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
135	Check STD(5ug/L)	2.500	2.500	2.500	13.2776	12.8992	5.160	103.2	09/18/2025 23:19	JWN,NIC3
136	Check Blank	2.500	2.500	2.500	0.0046	-0.3396	-0.136	-	09/18/2025 23:22	JWN,NIC3
137	L2557776-10 WG2115371	2.500	2.500	2.500	0.3545	0.0094	0.004	-	09/18/2025 23:26	JWN,NIC3
138	L2557776-11 WG2115371	2.500	2.500	2.500	0.4036	0.0584	0.023	-	09/18/2025 23:29	JWN,NIC3
139	L2557776-12 WG2115371	2.500	2.500	2.500	0.3663	0.0211	0.008	-	09/18/2025 23:32	JWN,NIC3
140	L2557776-13 WG2115371	2.500	2.500	2.500	0.2614	-0.0835	-0.033	-	09/18/2025 23:35	JWN,NIC3
141	L2557776-14 WG2115371	2.500	2.500	2.500	0.2277	-0.1171	-0.047	-	09/18/2025 23:39	JWN,NIC3
142	L2557776-15 WG2115371	2.500	2.500	2.500	0.1446	-0.2000	-0.080	-	09/18/2025 23:42	JWN,NIC3
143	Check STD(5ug/L)	2.500	2.500	2.500	13.2636	12.8853	5.154	103.1	09/18/2025 23:45	JWN,NIC3
144	Check Blank	2.500	2.500	2.500	0.0070	-0.3372	-0.135	-	09/18/2025 23:49	JWN,NIC3
145	Check STD(5ug/L)	2.500	2.500	2.500	13.2673	12.8890	5.156	103.1	09/19/2025 05:48	JWN,NIC3
146	Check Blank	2.500	2.500	2.500	0.3655	0.0204	0.008	-	09/19/2025 05:51	JWN,NIC3

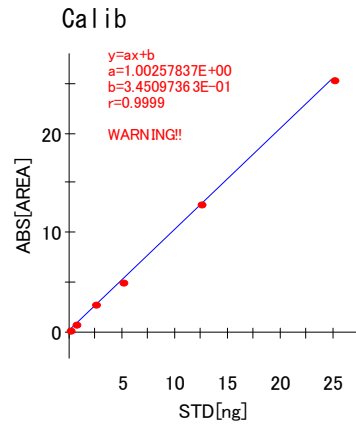
Title :
Date : 09/19/2025
Name :

Method

STD
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time(sec) : 120sec



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.3233	-0.0217	-	09/18/2025 10:50	JWN,NIC3
2	0.200	2.500	2.500	2.500	0.500	0.9100	0.5634	12.7	09/18/2025 10:53	JWN,NIC3
3	1.000	2.500	2.500	2.500	2.500	2.9332	2.5814	3.3	09/18/2025 10:56	JWN,NIC3
4	2.000	2.500	2.500	2.500	5.000	5.1459	4.7885	4.2	09/18/2025 11:00	JWN,NIC3
5	5.000	2.500	2.500	2.500	12.500	12.9886	12.6110	0.9	09/18/2025 11:03	JWN,NIC3
6	10.000	2.500	2.500	2.500	25.000	25.3869	24.9774	0.1	09/18/2025 11:06	JWN,NIC3

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recover [%]	M. TIME	Note
1	WG2116762-1 WG2116762	2.500	2.500	2.500	0.0242	-0.3201	-0.128	-	09/19/2025 06:43	JWN,NIC4
2	WG2116762-2 WG2116762	2.500	2.500	2.500	2.4276	2.0771	0.831	-	09/19/2025 06:46	JWN,NIC4
3	L2558214-02 WG2116762	2.500	2.500	2.500	0.0220	-0.3223	-0.129	-	09/19/2025 06:50	JWN,NIC4
4	WG2116762-3 WG2116762	2.500	2.500	2.500	12.1799	11.8044	4.722	-	09/19/2025 06:53	JWN,NIC4
5	WG2116762-4 WG2116762	2.500	2.500	2.500	0.0280	-0.3163	-0.127	-	09/19/2025 06:56	JWN,NIC4
6	L2557292-05 WG2116762	2.500	2.500	2.500	0.6497	0.3038	0.122	-	09/19/2025 07:00	JWN,NIC4

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
7	L2557292-06 WG2116762	2.500	2.500	2.500	0.0750	-0.2694	-0.108	-	09/19/2025 07:03	JWN,NIC4
8	L2557428-02 WG2116762	2.500	2.500	2.500	0.0516	-0.2927	-0.117	-	09/19/2025 07:06	JWN,NIC4
9	L2557428-03 WG2116762	2.500	2.500	2.500	0.0733	-0.2711	-0.108	-	09/19/2025 07:10	JWN,NIC4
10	L2557733-01 WG2116762	2.500	2.500	2.500	0.0766	-0.2678	-0.107	-	09/19/2025 07:13	JWN,NIC4
11	Check STD(5ug/L)	2.500	2.500	2.500	13.5882	13.2090	5.284	105.7	09/19/2025 07:16	JWN,NIC4
12	Check Blank	2.500	2.500	2.500	0.3657	0.0205	0.008	-	09/19/2025 07:20	JWN,NIC4
13	WG2115418-1 WG2115418	2.500	2.500	2.500	0.0255	-0.3188	-0.128	-	09/19/2025 08:13	JWN,NIC4
14	WG2115418-2 WG2115418	2.500	2.500	2.500	2.4792	2.1286	0.851	-	09/19/2025 08:16	JWN,NIC4
15	L2556676-09 WG2115418	2.500	2.500	2.500	0.0302	-0.3141	-0.126	-	09/19/2025 08:20	JWN,NIC4
16	WG2115418-3 WG2115418	2.500	2.500	2.500	12.5396	12.1631	4.865	-	09/19/2025 08:23	JWN,NIC4
17	WG2115418-4 WG2115418	2.500	2.500	2.500	12.6101	12.2335	4.893	-	09/19/2025 08:26	JWN,NIC4
18	L2556676-03 WG2115418	2.500	2.500	2.500	0.0230	-0.3213	-0.129	-	09/19/2025 08:29	JWN,NIC4
19	WG2115418-5 WG2115418	2.500	2.500	2.500	12.5437	12.1672	4.867	-	09/19/2025 08:33	JWN,NIC4
20	WG2115418-6 WG2115418	2.500	2.500	2.500	0.0227	-0.3216	-0.129	-	09/19/2025 08:36	JWN,NIC4
21	L2556676-02 WG2115418	2.500	2.500	2.500	0.0170	-0.3273	-0.131	-	09/19/2025 08:39	JWN,NIC4
22	L2556676-04 WG2115418	2.500	2.500	2.500	0.0150	-0.3292	-0.132	-	09/19/2025 08:43	JWN,NIC4
23	Check STD(5ug/L)	2.500	2.500	2.500	13.5239	13.1449	5.258	105.2	09/19/2025 08:46	JWN,NIC4
24	Check Blank	2.500	2.500	2.500	0.3650	0.0199	0.008	-	09/19/2025 08:49	JWN,NIC4
25	L2556676-05 WG2115418	2.500	2.500	2.500	0.0174	-0.3269	-0.131	-	09/19/2025 08:53	JWN,NIC4
26	L2556676-06 WG2115418	2.500	2.500	2.500	0.0398	-0.3045	-0.122	-	09/19/2025 08:56	JWN,NIC4
27	L2556676-07 WG2115418	2.500	2.500	2.500	0.0187	-0.3256	-0.130	-	09/19/2025 08:59	JWN,NIC4
28	L2556676-08 WG2115418	2.500	2.500	2.500	0.0780	-0.2664	-0.107	-	09/19/2025 09:02	JWN,NIC4
29	L2556676-10 WG2115418	2.500	2.500	2.500	0.2878	-0.0572	-0.023	-	09/19/2025 09:06	JWN,NIC4
30	L2556676-11 WG2115418	2.500	2.500	2.500	0.2398	-0.1050	-0.042	-	09/19/2025 09:09	JWN,NIC4
31	L2556676-12 WG2115418	2.500	2.500	2.500	0.1784	-0.1663	-0.067	-	09/19/2025 09:12	JWN,NIC4
32	Check STD(5ug/L)	2.500	2.500	2.500	13.3559	12.9773	5.191	103.8	09/19/2025 09:30	JWN,NIC4
33	Check Blank	2.500	2.500	2.500	0.3625	0.0174	0.007	-	09/19/2025 09:33	JWN,NIC4

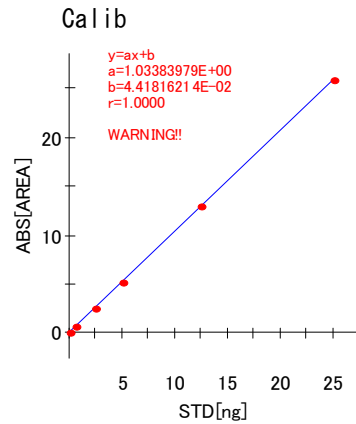
Title :
Date : 09/19/2025
Name :

Method

STD
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time(sec) : 120sec



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.0683	0.0233	-	09/19/2025 09:41	JWN,NIC3
2	0.200	2.500	2.500	2.500	0.500	0.6411	0.5774	15.5	09/19/2025 09:44	JWN,NIC3
3	1.000	2.500	2.500	2.500	2.500	2.5834	2.4561	1.8	09/19/2025 09:48	JWN,NIC3
4	2.000	2.500	2.500	2.500	5.000	5.1969	4.9841	0.3	09/19/2025 09:51	JWN,NIC3
5	5.000	2.500	2.500	2.500	12.500	12.8702	12.4062	0.8	09/19/2025 09:54	JWN,NIC3
6	10.000	2.500	2.500	2.500	25.000	25.9449	25.0529	0.2	09/19/2025 09:58	JWN,NIC3

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recover [%]	M. TIME	Note
1	ICV	2.500	2.500	2.500	7.5270	7.2379	2.895	-	09/19/2025 10:02	JWN,NIC3
2	ICB	2.500	2.500	2.500	0.0699	0.0249	0.010	-	09/19/2025 10:06	JWN,NIC3
3	Q3 LOQ Day 1 JWN	2.500	2.500	2.500	0.6354	0.5719	0.229	-	09/19/2025 10:27	JWN,NIC3
4	WG2114998-1 WG2114998	2.500	2.500	2.500	-0.0037	-0.0463	-0.019	-	09/19/2025 10:52	JWN,NIC3
5	WG2114998-2 WG2114998	2.500	2.500	2.500	2.4415	2.3188	0.928	-	09/19/2025 10:55	JWN,NIC3
6	I2556676-08 WG2114998	2.500	2.500	2.500	0.0042	-0.0387	-0.015	-	09/19/2025 10:59	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
7	WG2114998-3 WG2114998	2.500	2.500	2.500	12.3258	11.8796	4.752	-	09/19/2025 11:02	JWN,NIC3
8	WG2114998-4 WG2114998	2.500	2.500	2.500	0.0030	-0.0398	-0.016	-	09/19/2025 11:05	JWN,NIC3
9	I2556676-09 WG2114998	2.500	2.500	2.500	-0.0007	-0.0434	-0.017	-	09/19/2025 11:09	JWN,NIC3
10	WG2114998-5 WG2114998	2.500	2.500	2.500	12.4234	11.9740	4.790	-	09/19/2025 11:12	JWN,NIC3
11	WG2114998-6 WG2114998	2.500	2.500	2.500	12.0268	11.5904	4.636	-	09/19/2025 11:15	JWN,NIC3
12	I2556676-02 WG2114998	2.500	2.500	2.500	-0.0002	-0.0429	-0.017	-	09/19/2025 11:19	JWN,NIC3
13	Check STD(5ug/L)	2.500	2.500	2.500	13.6119	13.1236	5.249	105.0	09/19/2025 11:22	JWN,NIC3
14	Check Blank	2.500	2.500	2.500	0.3602	0.3057	0.122	-	09/19/2025 11:25	JWN,NIC3
15	I2556676-03 WG2114998	2.500	2.500	2.500	0.0001	-0.0426	-0.017	-	09/19/2025 11:29	JWN,NIC3
16	I2556676-04 WG2114998	2.500	2.500	2.500	-0.0007	-0.0434	-0.017	-	09/19/2025 11:32	JWN,NIC3
17	I2556676-05 WG2114998	2.500	2.500	2.500	0.0007	-0.0421	-0.017	-	09/19/2025 11:35	JWN,NIC3
18	I2556676-06 WG2114998	2.500	2.500	2.500	0.0190	-0.0244	-0.010	-	09/19/2025 11:39	JWN,NIC3
19	I2556676-07 WG2114998	2.500	2.500	2.500	0.0020	-0.0408	-0.016	-	09/19/2025 11:42	JWN,NIC3
20	I2556676-10 WG2114998	2.500	2.500	2.500	-0.0020	-0.0447	-0.018	-	09/19/2025 11:45	JWN,NIC3
21	I2556676-11 WG2114998	2.500	2.500	2.500	0.0022	-0.0406	-0.016	-	09/19/2025 11:49	JWN,NIC3
22	I2556676-12 WG2114998	2.500	2.500	2.500	-0.0008	-0.0435	-0.017	-	09/19/2025 11:52	JWN,NIC3
23	I2557648-01 WG2114998	2.500	2.500	2.500	0.2180	0.1681	0.067	-	09/19/2025 11:55	JWN,NIC3
24	I2557648-02 WG2114998	2.500	2.500	2.500	0.0792	0.0339	0.014	-	09/19/2025 11:59	JWN,NIC3
25	Check STD(5ug/L)	2.500	2.500	2.500	13.5401	13.0542	5.222	104.4	09/19/2025 12:02	JWN,NIC3
26	Check Blank	2.500	2.500	2.500	0.3571	0.3027	0.121	-	09/19/2025 12:05	JWN,NIC3
27	WG2116994-1 WG2116994	2.500	2.500	2.500	0.3096	0.2567	0.103	-	09/19/2025 12:57	JWN,NIC3
28	WG2116994-2 WG2116994	2.500	2.500	2.500	2.6627	2.5328	1.013	-	09/19/2025 13:00	JWN,NIC3
29	L2556694-07 WG2116994	2.500	2.500	2.500	0.6641	0.5996	0.240	-	09/19/2025 13:04	JWN,NIC3
30	WG2116994-3 WG2116994	2.500	2.500	2.500	13.0049	12.5365	5.015	-	09/19/2025 13:07	JWN,NIC3
31	WG2116994-4 WG2116994	2.500	2.500	2.500	0.2498	0.1989	0.080	-	09/19/2025 13:10	JWN,NIC3
32	L2558777-01 WG2116994	2.500	2.500	2.500	0.0531	0.0086	0.003	-	09/19/2025 13:14	JWN,NIC3
33	L2558777-02 WG2116994	2.500	2.500	2.500	0.0570	0.0124	0.005	-	09/19/2025 13:17	JWN,NIC3
34	WG2117029-1 WG2117029	2.500	2.500	2.500	0.0100	-0.0331	-0.013	-	09/19/2025 13:20	JWN,NIC3
35	WG2117029-2 WG2117029	2.500	2.500	2.500	2.6041	2.4761	0.990	-	09/19/2025 13:24	JWN,NIC3
36	L2559020-01 WG2117029	2.500	2.500	2.500	0.0161	-0.0272	-0.011	-	09/19/2025 13:27	JWN,NIC3
37	Check STD(5ug/L)	2.500	2.500	2.500	12.8867	12.4222	4.969	99.4	09/19/2025 13:30	JWN,NIC3
38	Check Blank	2.500	2.500	2.500	0.0564	0.0118	0.005	-	09/19/2025 13:33	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
39	WG2117029-3 WG2117029	2.500	2.500	2.500	12.2972	11.8520	4.741	-	09/19/2025 13:37	JWN,NIC3
40	WG2117029-4 WG2117029	2.500	2.500	2.500	0.0183	-0.0250	-0.010	-	09/19/2025 13:40	JWN,NIC3
41	Check STD(5ug/L)	2.500	2.500	2.500	12.9292	12.4633	4.985	99.7	09/19/2025 13:43	JWN,NIC3
42	Check Blank	2.500	2.500	2.500	0.0566	0.0120	0.005	-	09/19/2025 13:47	JWN,NIC3
43	WG2116805-1 WG2116805	2.500	2.500	2.500	0.0053	-0.0376	-0.015	-	09/19/2025 13:57	JWN,NIC3
44	WG2116805-2 WG2116805	2.500	2.500	2.500	2.4061	2.2846	0.914	-	09/19/2025 14:01	JWN,NIC3
45	L2556685-03 WG2116805	2.500	2.500	2.500	0.0168	-0.0265	-0.011	-	09/19/2025 14:04	JWN,NIC3
46	WG2116805-3 WG2116805	2.500	2.500	2.500	13.1971	12.7224	5.089	-	09/19/2025 14:07	JWN,NIC3
47	WG2116805-4 WG2116805	2.500	2.500	2.500	0.0117	-0.0314	-0.013	-	09/19/2025 14:11	JWN,NIC3
48	L2554366-01 WG2116805	2.500	2.500	2.500	0.2265	0.1764	0.071	-	09/19/2025 14:14	JWN,NIC3
49	Check STD(5ug/L)	2.500	2.500	2.500	12.6422	12.1857	4.874	97.5	09/19/2025 14:17	JWN,NIC3
50	Check Blank	2.500	2.500	2.500	0.4792	0.4208	0.168	-	09/19/2025 14:21	JWN,NIC3
51	WG2115676-1 WG2115676	2.500	2.500	2.500	0.0323	-0.0115	-0.005	-	09/19/2025 16:54	JWN,NIC3
52	WG2115676-2 WG2115676	2.500	2.500	2.500	2.4565	2.3334	0.933	-	09/19/2025 16:58	JWN,NIC3
53	L2557076-03 WG2115676	2.500	2.500	2.500	0.0266	-0.0170	-0.007	-	09/19/2025 17:01	JWN,NIC3
54	WG2115676-3 WG2115676	2.500	2.500	2.500	12.4331	11.9834	4.793	-	09/19/2025 17:04	JWN,NIC3
55	WG2115676-4 WG2115676	2.500	2.500	2.500	0.0406	-0.0035	-0.001	-	09/19/2025 17:07	JWN,NIC3
56	L2557076-02 WG2115676	2.500	2.500	2.500	0.0440	-0.0002	-0.000	-	09/19/2025 17:11	JWN,NIC3
57	L2557076-04 WG2115676	2.500	2.500	2.500	0.0472	0.0029	0.001	-	09/19/2025 17:14	JWN,NIC3
58	L2557076-05 WG2115676	2.500	2.500	2.500	0.0438	-0.0004	-0.000	-	09/19/2025 17:17	JWN,NIC3
59	L2557076-06 WG2115676	2.500	2.500	2.500	0.0536	0.0091	0.004	-	09/19/2025 17:21	JWN,NIC3
60	L2557076-07 WG2115676	2.500	2.500	2.500	0.0457	0.0015	0.001	-	09/19/2025 17:24	JWN,NIC3
61	Check STD(5ug/L)	2.500	2.500	2.500	12.9126	12.4472	4.979	99.6	09/19/2025 17:27	JWN,NIC3
62	Check Blank	2.500	2.500	2.500	0.1843	0.1355	0.054	-	09/19/2025 17:31	JWN,NIC3
63	L2557076-08 WG2115676	2.500	2.500	2.500	0.0461	0.0019	0.001	-	09/19/2025 17:34	JWN,NIC3
64	L2557076-09 WG2115676	2.500	2.500	2.500	0.0454	0.0012	0.000	-	09/19/2025 17:37	JWN,NIC3
65	L2557076-10 WG2115676	2.500	2.500	2.500	0.0460	0.0018	0.001	-	09/19/2025 17:40	JWN,NIC3
66	L2557734-01 WG2115676	2.500	2.500	2.500	0.1231	0.0763	0.031	-	09/19/2025 17:44	JWN,NIC3
67	WG2116271-1 WG2116271	2.500	2.500	2.500	0.0092	-0.0338	-0.014	-	09/19/2025 17:47	JWN,NIC3
68	WG2116271-2 WG2116271	2.500	2.500	2.500	2.6160	2.4876	0.995	-	09/19/2025 17:50	JWN,NIC3
69	L2558325-02 WG2116271	2.500	2.500	2.500	0.0336	-0.0102	-0.004	-	09/19/2025 17:54	JWN,NIC3
70	WG2116271-3 WG2116271	2.500	2.500	2.500	13.3141	12.8356	5.134	-	09/19/2025 17:57	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
71	WG2116271-4 WG2116271	2.500	2.500	2.500	0.0405	-0.0036	-0.001	-	09/19/2025 18:00	JWN,NIC3
72	L2558468-01 WG2116271	2.500	2.500	2.500	0.0350	-0.0089	-0.004	-	09/19/2025 18:04	JWN,NIC3
73	Check STD(5ug/L)	2.500	2.500	2.500	12.8721	12.4080	4.963	99.3	09/19/2025 18:07	JWN,NIC3
74	Check Blank	2.500	2.500	2.500	0.1924	0.1434	0.057	-	09/19/2025 18:10	JWN,NIC3
75	L2558468-02 WG2116271	2.500	2.500	2.500	0.0272	-0.0164	-0.007	-	09/19/2025 18:13	JWN,NIC3
76	L2558468-03 WG2116271	2.500	2.500	2.500	0.0294	-0.0143	-0.006	-	09/19/2025 18:17	JWN,NIC3
77	L2558468-04 WG2116271	2.500	2.500	2.500	0.0295	-0.0142	-0.006	-	09/19/2025 18:20	JWN,NIC3
78	L2558520-01 WG2116271	2.500	2.500	2.500	0.0364	-0.0075	-0.003	-	09/19/2025 18:23	JWN,NIC3
79	WG2116536-1 WG2116536	2.500	2.500	2.500	0.0222	-0.0213	-0.009	-	09/19/2025 18:30	JWN,NIC3
80	WG2116536-2 WG2116536	2.500	2.500	2.500	2.4917	2.3674	0.947	-	09/19/2025 18:34	JWN,NIC3
81	L2558152-02 WG2116536	2.500	2.500	2.500	0.0321	-0.0117	-0.005	-	09/19/2025 18:37	JWN,NIC3
82	WG2116536-3 WG2116536	2.500	2.500	2.500	12.4282	11.9787	4.791	-	09/19/2025 18:40	JWN,NIC3
83	WG2116536-4 WG2116536	2.500	2.500	2.500	0.0340	-0.0098	-0.004	-	09/19/2025 18:44	JWN,NIC3
84	L2558152-01 WG2116536	2.500	2.500	2.500	0.0444	0.0002	0.000	-	09/19/2025 18:47	JWN,NIC3
85	Check STD(5ug/L)	2.500	2.500	2.500	12.8359	12.3730	4.949	99.0	09/19/2025 18:50	JWN,NIC3
86	Check Blank	2.500	2.500	2.500	0.1921	0.1431	0.057	-	09/19/2025 18:54	JWN,NIC3
87	L2558152-05 WG2116536	2.500	2.500	2.500	0.0577	0.0131	0.005	-	09/19/2025 18:57	JWN,NIC3
88	L2558152-06 WG2116536	2.500	2.500	2.500	0.0710	0.0259	0.010	-	09/19/2025 19:00	JWN,NIC3
89	L2558152-07 WG2116536	2.500	2.500	2.500	0.0283	-0.0154	-0.006	-	09/19/2025 19:04	JWN,NIC3
90	L2558152-08 WG2116536	2.500	2.500	2.500	0.0398	-0.0042	-0.002	-	09/19/2025 19:07	JWN,NIC3
91	L2558152-09 WG2116536	2.500	2.500	2.500	0.0328	-0.0110	-0.004	-	09/19/2025 19:10	JWN,NIC3
92	L2558152-10 WG2116536	2.500	2.500	2.500	0.0373	-0.0067	-0.003	-	09/19/2025 19:14	JWN,NIC3
93	L2558152-11 WG2116536	2.500	2.500	2.500	0.0399	-0.0041	-0.002	-	09/19/2025 19:17	JWN,NIC3
94	L2558152-12 WG2116536	2.500	2.500	2.500	0.0350	-0.0089	-0.004	-	09/19/2025 19:20	JWN,NIC3
95	L2558152-13 WG2116536	2.500	2.500	2.500	0.0359	-0.0080	-0.003	-	09/19/2025 19:24	JWN,NIC3
96	L2558152-14 WG2116536	2.500	2.500	2.500	0.0242	-0.0193	-0.008	-	09/19/2025 19:27	JWN,NIC3
97	Check STD(5ug/L)	2.500	2.500	2.500	12.8740	12.4099	4.964	99.3	09/19/2025 19:30	JWN,NIC3
98	Check Blank	2.500	2.500	2.500	0.1933	0.1442	0.058	-	09/19/2025 19:33	JWN,NIC3
99	L2558379-03 WG2116536	2.500	2.500	2.500	0.0282	-0.0155	-0.006	-	09/19/2025 19:37	JWN,NIC3
100	L2558379-04 WG2116536	2.500	2.500	2.500	0.0353	-0.0086	-0.003	-	09/19/2025 19:40	JWN,NIC3
101	L2558379-05 WG2116536	2.500	2.500	2.500	0.0298	-0.0139	-0.006	-	09/19/2025 19:43	JWN,NIC3
102	XL2558379-06 WG2116536	2.500	2.500	2.500	-0.0032	-0.0458	-0.018	-	09/19/2025 19:47	JWN,NIC3/ Flow Error!!(0.00L/min)

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
103	L2558379-07 WG2116536	2.500	2.500	2.500	0.0274	-0.0162	-0.006	-	09/19/2025 19:55	JWN,NIC3
104	L2558379-08 WG2116536	2.500	2.500	2.500	0.0274	-0.0162	-0.006	-	09/19/2025 19:59	JWN,NIC3
105	WG2115519-1 WG2115519	2.500	2.500	2.500	0.0537	0.0092	0.004	-	09/19/2025 20:02	JWN,NIC3
106	WG2115519-2 WG2115519	2.500	2.500	2.500	2.4950	2.3706	0.948	-	09/19/2025 20:05	JWN,NIC3
107	L2558026-05 WG2115519	2.500	2.500	2.500	0.0570	0.0124	0.005	-	09/19/2025 20:09	JWN,NIC3
108	WG2115519-3 WG2115519	2.500	2.500	2.500	12.2493	11.8056	4.722	-	09/19/2025 20:12	JWN,NIC3
109	Check STD(5ug/L)	2.500	2.500	2.500	12.8541	12.3906	4.956	99.1	09/19/2025 20:15	JWN,NIC3
110	Check Blank	2.500	2.500	2.500	0.1992	0.1499	0.060	-	09/19/2025 20:19	JWN,NIC3
111	WG2115519-4 WG2115519	2.500	2.500	2.500	0.0546	0.0101	0.004	-	09/19/2025 20:22	JWN,NIC3
112	L2558026-06 WG2115519	2.500	2.500	2.500	0.8165	0.7470	0.299	-	09/19/2025 20:25	JWN,NIC3
113	L2555226-01 WG2116805	2.500	2.500	2.500	0.0180	-0.0253	-0.010	-	09/19/2025 20:28	JWN,NIC3
114	L2555226-03 WG2116805	2.500	2.500	2.500	0.2057	0.1562	0.062	-	09/19/2025 20:32	JWN,NIC3
115	L2555910-03 WG2116805	2.500	2.500	2.500	0.0116	-0.0315	-0.013	-	09/19/2025 20:35	JWN,NIC3
116	L2555910-05 WG2116805	2.500	2.500	2.500	0.1104	0.0641	0.026	-	09/19/2025 20:38	JWN,NIC3
117	L2557288-01 WG2116805	2.500	2.500	2.500	2.2586	2.1419	0.857	-	09/19/2025 20:42	JWN,NIC3
118	L2557288-04 WG2116805	2.500	2.500	2.500	0.0182	-0.0251	-0.010	-	09/19/2025 20:45	JWN,NIC3
119	L2558233-01 WG2116805	2.500	2.500	2.500	0.1651	0.1170	0.047	-	09/19/2025 20:48	JWN,NIC3
120	L2558058-01 WG2116994	2.500	2.500	2.500	0.2792	0.2273	0.091	-	09/19/2025 20:52	JWN,NIC3
121	Check STD(5ug/L)	2.500	2.500	2.500	12.7484	12.2884	4.915	98.3	09/19/2025 20:55	JWN,NIC3
122	Check Blank	2.500	2.500	2.500	-0.0064	-0.0489	-0.020	-	09/19/2025 20:58	JWN,NIC3
123	L2558245-03 WG2116994	2.500	2.500	2.500	0.0954	0.0495	0.020	-	09/19/2025 21:02	JWN,NIC3
124	L2558245-04 WG2116994	2.500	2.500	2.500	0.0838	0.0383	0.015	-	09/19/2025 21:05	JWN,NIC3
125	L2558351-02 WG2116994	2.500	2.500	2.500	0.0671	0.0222	0.009	-	09/19/2025 21:08	JWN,NIC3
126	L2558351-03 WG2116994	2.500	2.500	2.500	0.0528	0.0083	0.003	-	09/19/2025 21:11	JWN,NIC3
127	L2558351-04 WG2116994	2.500	2.500	2.500	0.0626	0.0178	0.007	-	09/19/2025 21:15	JWN,NIC3
128	L2558351-05 WG2116994	2.500	2.500	2.500	0.0618	0.0170	0.007	-	09/19/2025 21:18	JWN,NIC3
129	L2558694-01 WG2116994	2.500	2.500	2.500	0.0673	0.0224	0.009	-	09/19/2025 21:21	JWN,NIC3
130	L2558694-02 WG2116994	2.500	2.500	2.500	0.0634	0.0186	0.007	-	09/19/2025 21:25	JWN,NIC3
131	L2558379-06 WG2116536	2.500	2.500	2.500	0.0292	-0.0145	-0.006	-	09/19/2025 21:28	JWN,NIC3
132	Check STD(5ug/L)	2.500	2.500	2.500	12.8449	12.3817	4.953	99.1	09/19/2025 21:31	JWN,NIC3
133	Check Blank	2.500	2.500	2.500	-0.0072	-0.0497	-0.020	-	09/19/2025 21:34	JWN,NIC3
134	WG2117063-1 WG2117063	2.500	2.500	2.500	0.0122	-0.0309	-0.012	-	09/19/2025 22:18	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
135	WG2117063-2 WG2117063	2.500	2.500	2.500	2.3324	2.2133	0.885	-	09/19/2025 22:22	JWN,NIC3
136	L2559075-01 WG2117063	2.500	2.500	2.500	0.0197	-0.0237	-0.009	-	09/19/2025 22:25	JWN,NIC3
137	WG2117063-3 WG2117063	2.500	2.500	2.500	11.4071	10.9910	4.396	-	09/19/2025 22:28	JWN,NIC3
138	WG2117063-4 WG2117063	2.500	2.500	2.500	0.0214	-0.0220	-0.009	-	09/19/2025 22:32	JWN,NIC3
139	WG2117067-1 WG2117067	2.500	2.500	2.500	0.0176	-0.0257	-0.010	-	09/19/2025 22:35	JWN,NIC3
140	WG2117067-2 WG2117067	2.500	2.500	2.500	2.3667	2.2465	0.899	-	09/19/2025 22:38	JWN,NIC3
141	L2557432-01 WG2117067	2.500	2.500	2.500	7.0457	6.7723	2.709	-	09/19/2025 22:41	JWN,NIC3
142	WG2117067-3 WG2117067	2.500	2.500	2.500	18.4624	17.8154	7.126	-	09/19/2025 22:45	JWN,NIC3
143	WG2117067-4 WG2117067	2.500	2.500	2.500	6.9457	6.6756	2.670	-	09/19/2025 22:48	JWN,NIC3
144	Check STD(5ug/L)	2.500	2.500	2.500	12.8292	12.3665	4.947	98.9	09/19/2025 22:51	JWN,NIC3
145	Check Blank	2.500	2.500	2.500	-0.0024	-0.0451	-0.018	-	09/19/2025 22:55	JWN,NIC3

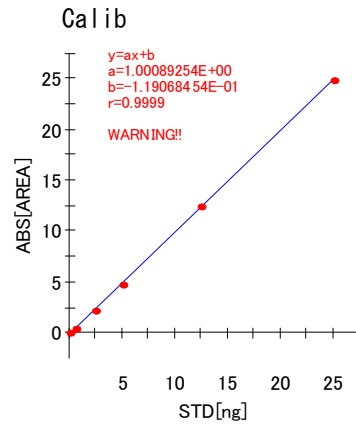
Title :
Date : 09/21/2025
Name :

Method

STD
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time(sec) : 120sec



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.0234	0.1423	-	09/21/2025 16:09	CME,NIC3
2	0.200	2.500	2.500	2.500	0.500	0.5026	0.6211	24.2	09/21/2025 16:13	CME,NIC3
3	1.000	2.500	2.500	2.500	2.500	2.1841	2.3011	8.0	09/21/2025 16:16	CME,NIC3
4	2.000	2.500	2.500	2.500	5.000	4.7410	4.8557	2.9	09/21/2025 16:19	CME,NIC3
5	5.000	2.500	2.500	2.500	12.500	12.4589	12.5668	0.5	09/21/2025 16:22	CME,NIC3
6	10.000	2.500	2.500	2.500	25.000	24.9162	25.0129	0.1	09/21/2025 16:46	CME,NIC3

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
1	ICV	2.500	2.500	2.500	7.0168	7.1295	2.852	-	09/21/2025 17:07	CME,NIC3
2	ICB	2.500	2.500	2.500	0.0254	0.1443	0.058	-	09/21/2025 17:10	CME,NIC3
3	WG2117659-1 WG2117659	2.500	2.500	2.500	-0.0041	0.1149	0.046	-	09/21/2025 17:40	CME,NIC3
4	WG2117659-2 WG2117659	2.500	2.500	2.500	2.4043	2.5211	1.008	-	09/21/2025 17:44	CME,NIC3
5	L2559453-11 WG2117659	2.500	2.500	2.500	-0.0030	0.1160	0.046	-	09/21/2025 17:47	CME,NIC3
6	WG2117659-3 WG2117659	2.500	2.500	2.500	11.5367	11.6454	4.658	-	09/21/2025 17:50	CME,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
7	WG2117659-4 WG2117659	2.500	2.500	2.500	-0.0004	0.1186	0.047	-	09/21/2025 17:54	CME,NIC3
8	L2559453-12 WG2117659	2.500	2.500	2.500	-0.0001	0.1189	0.048	-	09/21/2025 17:57	CME,NIC3
9	L2557076-02 WG2115669	2.500	2.500	2.500	0.0422	0.1611	0.064	-	09/21/2025 18:05	CME,NIC3
10	L2557076-03 WG2115669	2.500	2.500	2.500	0.0507	0.1696	0.068	-	09/21/2025 18:09	CME,NIC3
11	L2557076-06 WG2115669	2.500	2.500	2.500	0.0753	0.1942	0.078	-	09/21/2025 18:12	CME,NIC3
12	L2557076-07 WG2115669	2.500	2.500	2.500	0.0514	0.1703	0.068	-	09/21/2025 18:15	CME,NIC3
13	Check STD(5ug/L)	2.500	2.500	2.500	12.7346	12.8422	5.137	102.7	09/21/2025 18:19	CME,NIC3
14	Check Blank	2.500	2.500	2.500	0.0530	0.1719	0.069	-	09/21/2025 18:22	CME,NIC3
15	L2557076-08 WG2115669	2.500	2.500	2.500	0.0690	0.1879	0.075	-	09/21/2025 18:25	CME,NIC3
16	L2557076-09 WG2115669	2.500	2.500	2.500	0.0506	0.1695	0.068	-	09/21/2025 18:29	CME,NIC3
17	L2557076-10 WG2115669	2.500	2.500	2.500	0.0537	0.1726	0.069	-	09/21/2025 18:32	CME,NIC3
18	L2558023-01 WG2115669	2.500	2.500	2.500	0.0558	0.1747	0.070	-	09/21/2025 18:35	CME,NIC3
19	L2558469-01 WG2115669	2.500	2.500	2.500	0.0528	0.1717	0.069	-	09/21/2025 18:38	CME,NIC3
20	WG2116843-1 WG2116843	2.500	2.500	2.500	0.3068	0.4255	0.170	-	09/21/2025 18:42	CME,NIC3
21	WG2116843-2 WG2116843	2.500	2.500	2.500	3.3846	3.5005	1.400	-	09/21/2025 18:45	CME,NIC3
22	L2558607-07 WG2116843	2.500	2.500	2.500	1.0570	1.1750	0.470	-	09/21/2025 18:48	CME,NIC3
23	WG2116843-3 WG2116843	2.500	2.500	2.500	13.4634	13.5704	5.428	-	09/21/2025 18:52	CME,NIC3
24	WG2116843-4 WG2116843	2.500	2.500	2.500	0.8723	0.9905	0.396	-	09/21/2025 18:55	CME,NIC3
25	Check STD(5ug/L)	2.500	2.500	2.500	12.8080	12.9155	5.166	103.3	09/21/2025 18:58	CME,NIC3
26	Check Blank	2.500	2.500	2.500	0.0573	0.1762	0.070	-	09/21/2025 19:02	CME,NIC3
27	XL2558203-01 WG2116843	2.500	2.500	2.500	0.4117	0.5303	0.212	-	09/21/2025 19:05	CME,NIC3
28	L2558203-03 WG2116843	2.500	2.500	2.500	0.2541	0.3728	0.149	-	09/21/2025 19:08	CME,NIC3
29	L2558511-01 WG2116843	2.500	2.500	2.500	0.2749	0.3936	0.157	-	09/21/2025 19:12	CME,NIC3
30	L2558520-01 WG2116843	2.500	2.500	2.500	0.2738	0.3925	0.157	-	09/21/2025 19:15	CME,NIC3
31	L2558721-01 WG2116843	2.500	2.500	2.500	0.1518	0.2706	0.108	-	09/21/2025 19:18	CME,NIC3
32	L2558728-01 WG2116843	2.500	2.500	2.500	0.2134	0.3322	0.133	-	09/21/2025 19:21	CME,NIC3
33	L2558733-01 WG2116843	2.500	2.500	2.500	0.2166	0.3354	0.134	-	09/21/2025 19:25	CME,NIC3
34	Check STD(5ug/L)	2.500	2.500	2.500	12.8228	12.9303	5.172	103.4	09/21/2025 19:28	CME,NIC3
35	Check Blank	2.500	2.500	2.500	0.0567	0.1756	0.070	-	09/21/2025 19:31	CME,NIC3
36	Check STD(5ug/L)	2.500	2.500	2.500	12.3157	12.4237	4.969	99.4	09/22/2025 06:32	JWN,NIC3
37	Check Blank	2.500	2.500	2.500	0.0422	0.1611	0.064	-	09/22/2025 06:35	JWN,NIC3
38	WG2117499-1 WG2117499	2.500	2.500	2.500	0.0101	0.1291	0.052	-	09/22/2025 06:50	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
39	WG2117499-2 WG2117499	2.500	2.500	2.500	2.4857	2.6024	1.041	-	09/22/2025 06:54	JWN,NIC3
40	L2558935-02 WG2117499	2.500	2.500	2.500	0.0145	0.1334	0.053	-	09/22/2025 06:57	JWN,NIC3
41	WG2117499-3 WG2117499	2.500	2.500	2.500	11.8016	11.9100	4.764	-	09/22/2025 07:00	JWN,NIC3
42	WG2117499-4 WG2117499	2.500	2.500	2.500	11.9743	12.0826	4.833	-	09/22/2025 07:04	JWN,NIC3
43	L2558935-01 WG2117499	2.500	2.500	2.500	0.0130	0.1320	0.053	-	09/22/2025 07:07	JWN,NIC3
44	L2558935-03 WG2117499	2.500	2.500	2.500	0.0113	0.1303	0.052	-	09/22/2025 07:10	JWN,NIC3
45	L2559175-04 WG2117499	2.500	2.500	2.500	0.0169	0.1358	0.054	-	09/22/2025 07:13	JWN,NIC3
46	Check STD(5ug/L)	2.500	2.500	2.500	12.8768	12.9843	5.194	103.9	09/22/2025 07:17	JWN,NIC3
47	Check Blank	2.500	2.500	2.500	0.0626	0.1815	0.073	-	09/22/2025 07:20	JWN,NIC3
48	WG2117664-1 WG2117664	2.500	2.500	2.500	0.0097	0.1287	0.051	-	09/22/2025 07:39	JWN,NIC3
49	WG2117664-2 WG2117664	2.500	2.500	2.500	2.5154	2.6321	1.053	-	09/22/2025 07:42	JWN,NIC3
50	WG2117664-3 WG2117664	2.500	2.500	2.500	2.5077	2.6244	1.050	-	09/22/2025 07:45	JWN,NIC3
51	L2559345-01 WG2117664	2.500	2.500	2.500	0.0190	0.1379	0.055	-	09/22/2025 07:49	JWN,NIC3
52	L2559345-02 WG2117664	2.500	2.500	2.500	0.0144	0.1333	0.053	-	09/22/2025 07:52	JWN,NIC3
53	L2559487-07 WG2117664	2.500	2.500	2.500	0.1980	0.3168	0.127	-	09/22/2025 07:55	JWN,NIC3
54	WG2117053-1 WG2117053	2.500	2.500	2.500	0.0218	0.1407	0.056	-	09/22/2025 07:59	JWN,NIC3
55	WG2117053-2 WG2117053	2.500	2.500	2.500	2.4972	2.6139	1.046	-	09/22/2025 08:02	JWN,NIC3
56	L2558319-01 WG2117053	2.500	2.500	2.500	0.1120	0.2309	0.092	-	09/22/2025 08:05	JWN,NIC3
57	WG2117053-3 WG2117053	2.500	2.500	2.500	12.8406	12.9481	5.179	-	09/22/2025 08:09	JWN,NIC3
58	Check STD(5ug/L)	2.500	2.500	2.500	12.4892	12.5970	5.039	100.8	09/22/2025 08:12	JWN,NIC3
59	Check Blank	2.500	2.500	2.500	0.0400	0.1589	0.064	-	09/22/2025 08:15	JWN,NIC3
60	WG2117053-4 WG2117053	2.500	2.500	2.500	0.1262	0.2450	0.098	-	09/22/2025 08:18	JWN,NIC3
61	L2558203-02 WG2117053	2.500	2.500	2.500	0.0288	0.1477	0.059	-	09/22/2025 08:22	JWN,NIC3
62	L2558319-02 WG2117053	2.500	2.500	2.500	0.0856	0.2045	0.082	-	09/22/2025 08:25	JWN,NIC3
63	L2558319-03 WG2117053	2.500	2.500	2.500	0.0285	0.1474	0.059	-	09/22/2025 08:28	JWN,NIC3
64	L2558319-04 WG2117053	2.500	2.500	2.500	0.1131	0.2320	0.093	-	09/22/2025 08:32	JWN,NIC3
65	L2558866-01 WG2117053	2.500	2.500	2.500	0.0271	0.1460	0.058	-	09/22/2025 08:35	JWN,NIC3
66	L2558866-02 WG2117053	2.500	2.500	2.500	0.0275	0.1464	0.059	-	09/22/2025 08:38	JWN,NIC3
67	L2558866-03 WG2117053	2.500	2.500	2.500	0.0310	0.1499	0.060	-	09/22/2025 08:41	JWN,NIC3
68	LOQ Day 2 Waters JWN	2.500	2.500	2.500	0.5177	0.6362	0.254	-	09/22/2025 09:11	JWN,NIC3
69	Check STD(5ug/L)	2.500	2.500	2.500	12.2653	12.3733	4.949	99.0	09/22/2025 09:18	JWN,NIC3
70	Check Blank	2.500	2.500	2.500	0.0319	0.1508	0.060	-	09/22/2025 09:21	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
71	WG2117128-1 WG2117128	2.500	2.500	2.500	0.0094	0.1284	0.051	-	09/22/2025 10:10	JWN,NIC3
72	WG2117128-2 WG2117128	2.500	2.500	2.500	2.2379	2.3549	0.942	-	09/22/2025 10:13	JWN,NIC3
73	WG2117128-3 WG2117128	2.500	2.500	2.500	2.1092	2.2263	0.891	-	09/22/2025 10:16	JWN,NIC3
74	L2558268-01 WG2117128	2.500	2.500	2.500	0.0139	0.1328	0.053	-	09/22/2025 10:20	JWN,NIC3
75	L2558268-02 WG2117128	2.500	2.500	2.500	0.0164	0.1353	0.054	-	09/22/2025 10:23	JWN,NIC3
76	L2559030-01 WG2117128	2.500	2.500	2.500	0.0385	0.1574	0.063	-	09/22/2025 10:26	JWN,NIC3
77	L2559030-02 WG2117128	2.500	2.500	2.500	0.0391	0.1580	0.063	-	09/22/2025 10:30	JWN,NIC3
78	L2559048-01 WG2117128	2.500	2.500	2.500	0.0227	0.1416	0.057	-	09/22/2025 10:33	JWN,NIC3
79	L2559048-02 WG2117128	2.500	2.500	2.500	0.0532	0.1721	0.069	-	09/22/2025 10:36	JWN,NIC3
80	L2559048-03 WG2117128	2.500	2.500	2.500	0.0187	0.1376	0.055	-	09/22/2025 10:40	JWN,NIC3
81	Check STD(5ug/L)	2.500	2.500	2.500	12.3170	12.4250	4.970	99.4	09/22/2025 10:52	JWN,NIC3
82	Check Blank	2.500	2.500	2.500	0.0302	0.1491	0.060	-	09/22/2025 10:55	JWN,NIC3
83	WG2117791-1 WG2117791	2.500	2.500	2.500	0.0043	0.1233	0.049	-	09/22/2025 10:58	JWN,NIC3
84	WG2117791-2 WG2117791	2.500	2.500	2.500	2.4959	2.6126	1.045	-	09/22/2025 11:02	JWN,NIC3
85	L2558430-01 WG2117791	2.500	2.500	2.500	0.8749	0.9931	0.397	-	09/22/2025 11:05	JWN,NIC3
86	WG2117791-3 WG2117791	2.500	2.500	2.500	13.5239	13.6308	5.452	-	09/22/2025 11:08	JWN,NIC3
87	WG2117791-4 WG2117791	2.500	2.500	2.500	0.7574	0.8757	0.350	-	09/22/2025 11:12	JWN,NIC3
88	L2558548-01 WG2117136	2.500	2.500	2.500	0.0156	0.1345	0.054	-	09/22/2025 11:51	JWN,NIC3
89	L2558548-02 WG2117136	2.500	2.500	2.500	0.0251	0.1440	0.058	-	09/22/2025 11:54	JWN,NIC3
90	L2558750-01 WG2117136	2.500	2.500	2.500	0.0243	0.1432	0.057	-	09/22/2025 11:57	JWN,NIC3
91	L2558750-03 WG2117136	2.500	2.500	2.500	0.0313	0.1502	0.060	-	09/22/2025 12:01	JWN,NIC3
92	L2558750-04 WG2117136	2.500	2.500	2.500	0.0290	0.1479	0.059	-	09/22/2025 12:04	JWN,NIC3
93	Check STD(5ug/L)	2.500	2.500	2.500	12.4772	12.5850	5.034	100.7	09/22/2025 12:07	JWN,NIC3
94	Check Blank	2.500	2.500	2.500	0.0296	0.1485	0.059	-	09/22/2025 12:10	JWN,NIC3
95	L2558986-01 WG2117136	2.500	2.500	2.500	0.0137	0.1327	0.053	-	09/22/2025 12:14	JWN,NIC3
96	L2558986-02 WG2117136	2.500	2.500	2.500	0.0160	0.1349	0.054	-	09/22/2025 12:17	JWN,NIC3
97	L2558986-03 WG2117136	2.500	2.500	2.500	0.0102	0.1292	0.052	-	09/22/2025 12:20	JWN,NIC3
98	L2558986-04 WG2117136	2.500	2.500	2.500	0.0222	0.1411	0.056	-	09/22/2025 12:24	JWN,NIC3
99	L2558986-05 WG2117136	2.500	2.500	2.500	0.0067	0.1257	0.050	-	09/22/2025 12:27	JWN,NIC3
100	L2558986-06 WG2117136	2.500	2.500	2.500	0.0088	0.1278	0.051	-	09/22/2025 12:30	JWN,NIC3
101	L2558986-07 WG2117136	2.500	2.500	2.500	0.0105	0.1295	0.052	-	09/22/2025 12:34	JWN,NIC3
102	Check STD(5ug/L)	2.500	2.500	2.500	12.1884	12.2965	4.919	98.4	09/22/2025 12:55	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
103	Check Blank	2.500	2.500	2.500	0.0242	0.1431	0.057	-	09/22/2025 12:58	JWN,NIC3

MERCURY TRUE VALUE CRITERIA

ICV	3 ug/l
LCSW	1 ug/l
MS	1 ug/l
CCV	5 ug/l

As of 6/1/13, Mercury True Value criteria is as follows:

ICV	3 ug/l
LCSW	1 ug/l
MS(aq)	5 ug/l
MS(soil)	1 ug/l
CCV	10 ug/l

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck




ISO/IEC GUIDE 34:2009

ISO/IEC 17025:2005



Page 3 of 3 Lot: D102-540



A Waters Company

Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

Page 1 of 3 Lot: D105-540

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▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

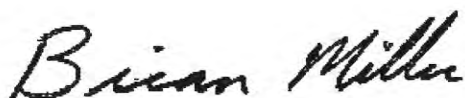
If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck



ISO/IEC 17025:2005
ISO/IEC 17025:2005


▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

▪ Certificate of Analysis ▪
ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.

k = Coverage factor.

U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.

U_{homogen} = Standard uncertainty of the homogeneity assessment.

U_{LTS} = Standard uncertainty associated with long-term stability.

U_{STS} = Standard uncertainty associated with short-term (transport) stability.

U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAP proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAP compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material}) / (\% \text{ recovery NIST SRM})] * 100$

The traceability data shown were compiled by analyzing this ERA certified reference material and/or its associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

Brian Miller

Matthew Seebeck





A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION



Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

Page 1 of 4 Lot: D113-540

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Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D123-540
Certificate Issue Date: September 29, 2023
Expiration Date: June 01, 2027
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6780	7.45	3590 - 9980	3240 - 10300
Antimony	257	127	7.67	D.L. - 255	25.7 - 318
Arsenic	360	311	5.66	254 - 368	218 - 405
Barium	332	304	10.3	249 - 359	228 - 380
Beryllium	183	169	2.30	140 - 198	127 - 211
Boron	320	229	8.37	159 - 300	138 - 352
Cadmium	238	212	2.84	175 - 250	159 - 265
Calcium	5490	5170	7.20	4240 - 6090	3770 - 6560
Chromium	199	180	7.49	146 - 213	126 - 234
Cobalt	88.7	81.6	14.9	67.9 - 95.4	61.2 - 102
Copper	227	205	23.1	170 - 240	154 - 256
Iron	7360	6510	7.13	3760 - 9260	736 - 13200
Lead	100	92.8	17.9	75.9 - 110	65.0 - 121
Lithium	146	132	6.88	82.7 - 182	92.0 - 172
Magnesium	1900	1700	6.98	1280 - 2110	946 - 2450
Manganese	591	531	12.5	429 - 633	410 - 652
Mercury	14.4	11.9	8.30	7.99 - 15.7	7.12 - 16.6
Molybdenum	155	136	2.46	108 - 163	96.1 - 175
Nickel	342	313	7.24	258 - 368	219 - 407
Potassium	1500	1370	6.70	991 - 1750	713 - 2030
Selenium	170	165	4.43	133 - 197	112 - 218
Silver	88.6	82.4	6.61	65.5 - 99.2	58.5 - 106
Sodium	527	486	7.85	361 - 611	289 - 683
Strontium	148	136	8.52	109 - 163	98.7 - 173

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	226	205	4.43	166 - 245	148 - 263
Tin	85.2	75.4	3.97	58.7 - 92.1	40.6 - 110
Titanium	382	306	8.28	77.0 - 535	98.3 - 514
Uranium	46.5	47.2	5.32	36.2 - 58.2	28.6 - 65.8
Vanadium	118	103	7.76	80.3 - 126	70.0 - 136
Zinc	183	166	6.60	133 - 200	117 - 216

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6780	88.3	109	-	-
Antimony	257	127	49.3	117	-	-
Arsenic	360	311	86.5	145	-	-
Barium	332	304	91.6	129	-	-
Beryllium	183	169	92.4	121	-	-
Boron	320	229	71.6	84	-	-
Cadmium	238	212	89.2	163	-	-
Calcium	5490	5170	94.1	97	-	-
Chromium	199	180	90.4	145	-	-
Cobalt	88.7	81.6	92.0	121	-	-
Copper	227	205	90.3	151	-	-
Iron	7360	6510	88.5	110	-	-
Lead	100	92.8	92.8	161	-	-
Lithium	146	132	90.6	35	-	-
Magnesium	1900	1700	89.4	100	-	-
Manganese	591	531	89.8	125	-	-
Mercury	14.4	11.9	82.4	95	-	-
Molybdenum	155	136	87.5	120	-	-
Nickel	342	313	91.5	150	-	-
Potassium	1500	1370	91.3	99	-	-
Selenium	170	165	97.0	132	-	-
Silver	88.6	82.4	93.0	124	-	-
Sodium	527	486	92.2	100	-	-
Strontium	148	136	91.9	84	-	-
Thallium	226	205	90.8	117	-	-
Tin	85.2	75.4	88.5	90	-	-
Titanium	382	306	80.1	87	-	-
Uranium	46.5	47.2	102	30	-	-
Vanadium	118	103	87.4	119	-	-
Zinc	183	166	91.0	146	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.
2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.
 k = Coverage factor.
 U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
 U_{homogen} = Standard uncertainty of the homogeneity assessment.
 U_{LTS} = Standard uncertainty associated with long-term stability.
 U_{STS} = Standard uncertainty associated with short-term (transport) stability.
 U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).
3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.
4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.
5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.
6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material})/(\% \text{ recovery NIST SRM})]*100$
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.
7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.
8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.
9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.





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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D126-540
Certificate Issue Date: June 25, 2024
Expiration Date: January 17, 2028
Revision Number: 1.0
Revision Date: February 28, 2025

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6840	17.4	3640 - 10000	3280 - 10400
Antimony	250	131	7.92	5.96 - 256	25.0 - 328
Arsenic	229	192	15.3	156 - 228	135 - 252
Barium	244	219	20.5	179 - 259	164 - 274
Beryllium	165	146	6.80	120 - 172	110 - 183
Boron	255	175	13.9	119 - 231	105 - 280
Cadmium	134	114	6.45	93.1 - 135	85.5 - 147
Calcium	4280	4080	14.7	3360 - 4800	2930 - 5240
Chromium	172	153	13.9	124 - 182	107 - 199
Cobalt	253	231	19.3	192 - 271	174 - 289
Copper	99.6	91.2	17.6	75.8 - 107	68.4 - 114
Iron	7360	7020	21.4	4260 - 9770	736 - 13800
Lead	153	141	18.2	115 - 167	102 - 180
Lithium	104	96.1	13.2	60.8 - 131	68.1 - 124
Magnesium	2060	1900	16.9	1450 - 2350	1110 - 2690
Manganese	442	401	19.4	324 - 477	305 - 497
Mercury	15.9	14.1	7.72	9.82 - 18.4	8.45 - 19.7
Molybdenum	165	144	6.21	115 - 173	102 - 186
Nickel	165	143	14.5	117 - 170	100 - 187
Potassium	1950	1760	15.6	1270 - 2250	999 - 2520
Selenium	107	94.7	9.78	74.3 - 115	61.2 - 128
Silver	83.9	77.0	10.1	61.1 - 92.9	54.6 - 99.4
Sodium	732	661	15.6	487 - 834	409 - 913

Page 1 of 4 Lot: D126-540

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▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Strontium	222	191	15.0	151 - 232	140 - 244
Thallium	208	183	6.96	147 - 219	131 - 235
Tin	111	99.0	10.8	77.2 - 121	56.1 - 142
Titanium	422	353	19.9	99.4 - 606	128 - 577
Uranium	20.9	20.0	13.9	15.1 - 25.0	8.44 - 31.6
Vanadium	179	159	13.9	125 - 194	116 - 203
Zinc	327	292	5.83	233 - 351	204 - 379



A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6840	89.0	135	-	-
Antimony	250	131	52.5	145	-	-
Arsenic	229	192	84.0	242	-	-
Barium	244	219	89.7	165	-	-
Beryllium	165	146	88.7	153	-	-
Boron	255	175	68.5	109	-	-
Cadmium	134	114	85.1	243	-	-
Calcium	4280	4080	95.4	119	-	-
Chromium	172	153	89.2	185	-	-
Cobalt	253	231	91.5	144	-	-
Copper	99.6	91.2	91.6	238	-	-
Iron	7360	7020	95.3	133	-	-
Lead	153	141	92.2	255	-	-
Lithium	104	96.1	92.4	45	-	-
Magnesium	2060	1900	92.3	122	-	-
Manganese	442	401	90.7	143	-	-
Mercury	15.9	14.1	88.6	148	-	-
Molybdenum	165	144	87.2	145	-	-
Nickel	165	143	86.9	232	-	-
Potassium	1950	1760	90.2	128	-	-
Selenium	107	94.7	88.5	167	-	-
Silver	83.9	77.0	91.8	157	-	-
Sodium	732	661	90.3	117	-	-
Strontium	222	191	86.2	92	-	-
Thallium	208	183	88.0	147	-	-
Tin	111	99.0	89.1	102	-	-
Titanium	422	353	83.6	90	-	-
Uranium	20.9	20.0	95.9	31	-	-
Vanadium	179	159	89.0	146	-	-
Zinc	327	292	89.3	233	-	-

Page 3 of 4 Lot: D126-540

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

▪ Certificate of Analysis ▪

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Where:

U_{expanded} = Expanded uncertainty.
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This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.



Calculation of 7470A Mercury

Calculate Mercury concentration from the daily calibration curve.
The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations

C = Sample/Standard Concentration, $\mu\text{g/L}$

k1 = y-intercept

k2 = slope

The instrument will plot peak height against concentration ($\mu\text{g/L}$).
The result is generated in $\mu\text{g/L}$. This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = (\text{concentration, } \mu\text{g/L}) \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

Calculation of 7471B Mercury

Calculate Mercury concentration from the daily calibration curve.
The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations

C = Sample/Standard Concentration, $\mu\text{g/L}$

k1 = y-intercept

k2 = slope

The instrument will plot peak height against concentration ($\mu\text{g/L}$).
The result is generated in $\mu\text{g/L}$. This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = (\text{concentration, } \mu\text{g/L}) \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

The result in mg/kg is calculated on a dry weight basis using the sample weight digested(Wt), the final volume of the digestate(FV), and the percent total solids(%TS).

$$\text{Result, mg/kg, wet} = ((\text{result, mg/L}) \times (\text{FV})) / \text{Wt}$$

$$\text{Result, mg/kg, dry wt} = (\text{Result, mg/kg wet}) / (\% \text{TS})$$

No.	Sample No. NAME	curve: WG2115492
1	1 STD	
2	2 STD	
3	3 STD	
4	4 STD	
5	5 STD	
6	6 STD	
1	7 XICV	
2	8 XICB	
3	7 ICV	
4	8 ICB	
5	9 WG2116381-1 WG2116381	
6	10 WG2116381-2 WG2116381	
7	11 WG2116381-3 WG2116381	
8	12 L2558382-01 WG2116381	
9	13 L2558409-01 WG2116381	
10	14 0.2 PPB	
11	15 Check STD(5ug/L)	
12	16 Check Blank	
13	17 WG2116471-1 WG2116471	
14	18 WG2116471-2 WG2116471	
15	19 L2557802-01 WG2116471	
16	20 WG2116471-3 WG2116471	
17	21 WG2116471-4 WG2116471	
18	22 L2558288-01 WG2116471	
19	23 L2558288-02 WG2116471	
20	24 Check STD(5ug/L)	
21	25 Check Blank	
22	26 L2557802-02 WG2116471	
23	27 L2557802-03 WG2116471	
24	28 L2557802-04 WG2116471	
25	29 L2557985-01 WG2116471	
26	30 L2557985-03 WG2116471	
27	31 L2557985-05 WG2116471	
28	32 L2557985-07 WG2116471	
29	33 L2557985-09 WG2116471	
30	34 Check STD(5ug/L)	
31	35 Check Blank	
32	36 WG2115669-1 WG2115669	
33	37 XWG2115669-2 WG2115669	
34	38 L2557076-04 WG2115669	
35	39 WG2115669-3 WG2115669	
36	40 WG2115669-4 WG2115669	
37	41 L2557076-05 WG2115669	

38	42 WG2115669-5 WG2115669
39	43 Check STD(5ug/L)
40	44 Check Blank
41	45 WG2115669-6 WG2115669
42	46 L2557794-01 WG2115669
43	47 WG2116580-1 WG2116580
44	48 WG2116580-2 WG2116580
45	49 L2557253-01 WG2116580
46	50 WG2116580-3 WG2116580
47	51 WG2116580-4 WG2116580
48	52 L2558093-03 WG2116580
49	53 L2558093-06 WG2116580
50	54 L2558093-09 WG2116580
51	55 Check STD(5ug/L)
52	56 Check Blank
53	57 L2558093-13 WG2116580
54	58 WG2116457-1 WG2116457
55	59 WG2116457-2 WG2116457
56	60 L2557824-01 WG2116457
57	61 WG2116457-3 WG2116457
58	62 WG2116457-4 WG2116457
59	63 L2557824-02 WG2116457
60	64 L2558770-01 WG2116457
61	65 L2558770-02 WG2116457
62	66 WG2115669-2 WG2115669
63	67 Check STD(5ug/L)
64	68 Check Blank
65	69 WG2116422-2 WG2116422
66	70 L2557289-01 WG2116422
67	71 WG2116422-3 WG2116422
68	72 WG2116422-4 WG2116422
69	73 L2557289-02 WG2116422
70	74 L2557289-03 WG2116422
71	75 L2557289-04 WG2116422
72	76 L2557289-06 WG2116422
73	77 L2557289-07 WG2116422
74	78 L2557289-08 WG2116422
75	79 Check STD(5ug/L)
76	80 Check Blank
77	1 WG2116422-1 WG2116422
78	2 WG2116590-1 WG2116590
79	3 WG2116590-2 WG2116590
80	4 L2558272-01 WG2116590
81	5 WG2116590-3 WG2116590

82	6 WG2116590-4 WG2116590
83	7 WG2116287-1 WG2116287
84	8 WG2116287-2 WG2116287
85	9 L2558533-01 WG2116287
86	10 WG2116287-3 WG2116287
87	11 Check STD(5ug/L)
88	12 Check Blank
89	13 WG2116287-4 WG2116287
90	14 L2558533-02 WG2116287
91	15 L2558533-03 WG2116287
92	16 L2558533-04 WG2116287
93	17 L2558533-05 WG2116287
94	18 L2558533-06 WG2116287
95	19 L2558533-07 WG2116287
96	20 L2558533-08 WG2116287
97	21 L2558533-09 WG2116287
98	22 L2558533-11 WG2116287
99	23 Check STD(5ug/L)
100	24 Check Blank
101	25 L2558533-12 WG2116287
102	26 L2557290-01 WG2115512
103	27 L2557290-02 WG2115512
104	28 L2557290-03 WG2115512
105	29 L2557290-04 WG2115512
106	30 L2557290-05 WG2115512
107	31 L2557290-06 WG2115512
108	32 L2557290-07 WG2115512
109	33 L2557290-08 WG2115512
110	34 L2558026-01 WG2115512
111	35 Check STD(5ug/L)
112	36 Check Blank
113	37 L2558026-02 WG2115512
114	38 L2558026-03 WG2115512
115	39 L2558026-04 WG2115512
116	40 L2558093-14 WG2115512
117	41 L2558093-15 WG2115512
118	42 L2558093-17 WG2115512
119	43 L2558093-18 WG2115512
120	44 L2558093-19 WG2115512
121	45 WG2115371-1 WG2115371
122	46 WG2115371-2 WG2115371
123	47 Check STD(5ug/L)
124	48 Check Blank
125	49 L2557776-01 WG2115371

126	50 WG2115371-3 WG2115371
127	51 WG2115371-4 WG2115371
128	52 L2557776-02 WG2115371
129	53 L2557776-04 WG2115371
130	54 L2557776-05 WG2115371
131	55 L2557776-06 WG2115371
132	56 L2557776-07 WG2115371
133	57 L2557776-08 WG2115371
134	58 L2557776-09 WG2115371
135	59 Check STD(5ug/L)
136	60 Check Blank
137	61 L2557776-10 WG2115371
138	62 L2557776-11 WG2115371
139	63 L2557776-12 WG2115371
140	64 L2557776-13 WG2115371
141	65 L2557776-14 WG2115371
142	66 L2557776-15 WG2115371
143	67 Check STD(5ug/L)
144	68 Check Blank
145	69 Check STD(5ug/L)
146	70 Check Blank
1	11 WG2116762-1 WG2116762
2	12 WG2116762-2 WG2116762
3	13 L2558214-02 WG2116762
4	14 WG2116762-3 WG2116762
5	15 WG2116762-4 WG2116762
6	16 L2557292-05 WG2116762
7	17 L2557292-06 WG2116762
8	18 L2557428-02 WG2116762
9	19 L2557428-03 WG2116762
10	20 L2557733-01 WG2116762
11	21 Check STD(5ug/L)
12	22 Check Blank
13	23 WG2115418-1 WG2115418
14	24 WG2115418-2 WG2115418
15	25 L2556676-09 WG2115418
16	26 WG2115418-3 WG2115418
17	27 WG2115418-4 WG2115418
18	28 L2556676-03 WG2115418
19	29 WG2115418-5 WG2115418
20	30 WG2115418-6 WG2115418
21	31 L2556676-02 WG2115418
22	32 L2556676-04 WG2115418
23	33 Check STD(5ug/L)

24	34 Check Blank
25	35 L2556676-05 WG2115418
26	36 L2556676-06 WG2115418
27	37 L2556676-07 WG2115418
28	38 L2556676-08 WG2115418
29	39 L2556676-10 WG2115418
30	40 L2556676-11 WG2115418
31	41 L2556676-12 WG2115418
32	45 Check STD(5ug/L)
33	46 Check Blank

No.	Sample No.	NAME	CURVE:WG2115548
1	1	STD	
2	2	STD	
3	3	STD	
4	4	STD	
5	5	STD	
6	6	STD	
1	7	ICV	
2	8	ICB	
3	9	Q3 LOQ Day 1 JWN	
4	10	WG2114998-1	WG2114998
5	11	WG2114998-2	WG2114998
6	12	I2556676-08	WG2114998
7	13	WG2114998-3	WG2114998
8	14	WG2114998-4	WG2114998
9	15	I2556676-09	WG2114998
10	16	WG2114998-5	WG2114998
11	17	WG2114998-6	WG2114998
12	18	I2556676-02	WG2114998
13	19	Check STD(5ug/L)	
14	20	Check Blank	
15	21	I2556676-03	WG2114998
16	22	I2556676-04	WG2114998
17	23	I2556676-05	WG2114998
18	24	I2556676-06	WG2114998
19	25	I2556676-07	WG2114998
20	26	I2556676-10	WG2114998
21	27	I2556676-11	WG2114998
22	28	I2556676-12	WG2114998
23	29	I2557648-01	WG2114998
24	30	I2557648-02	WG2114998
25	31	Check STD(5ug/L)	
26	32	Check Blank	
27	33	WG2116994-1	WG2116994
28	34	WG2116994-2	WG2116994
29	35	L2556694-07	WG2116994
30	36	WG2116994-3	WG2116994
31	37	WG2116994-4	WG2116994
32	38	L2558777-01	WG2116994
33	39	L2558777-02	WG2116994
34	40	WG2117029-1	WG2117029
35	41	WG2117029-2	WG2117029
36	42	L2559020-01	WG2117029
37	43	Check STD(5ug/L)	

38	44 Check Blank
39	45 WG2117029-3 WG2117029
40	46 WG2117029-4 WG2117029
41	47 Check STD(5ug/L)
42	48 Check Blank
43	49 WG2116805-1 WG2116805
44	50 WG2116805-2 WG2116805
45	51 L2556685-03 WG2116805
46	52 WG2116805-3 WG2116805
47	53 WG2116805-4 WG2116805
48	54 L2554366-01 WG2116805
49	55 Check STD(5ug/L)
50	56 Check Blank
51	57 WG2115676-1 WG2115676
52	58 WG2115676-2 WG2115676
53	59 L2557076-03 WG2115676
54	60 WG2115676-3 WG2115676
55	61 WG2115676-4 WG2115676
56	62 L2557076-02 WG2115676
57	63 L2557076-04 WG2115676
58	64 L2557076-05 WG2115676
59	65 L2557076-06 WG2115676
60	66 L2557076-07 WG2115676
61	67 Check STD(5ug/L)
62	68 Check Blank
63	69 L2557076-08 WG2115676
64	70 L2557076-09 WG2115676
65	71 L2557076-10 WG2115676
66	72 L2557734-01 WG2115676
67	73 WG2116271-1 WG2116271
68	74 WG2116271-2 WG2116271
69	75 L2558325-02 WG2116271
70	76 WG2116271-3 WG2116271
71	77 WG2116271-4 WG2116271
72	78 L2558468-01 WG2116271
73	79 Check STD(5ug/L)
74	80 Check Blank
75	1 L2558468-02 WG2116271
76	2 L2558468-03 WG2116271
77	3 L2558468-04 WG2116271
78	4 L2558520-01 WG2116271
79	5 WG2116536-1 WG2116536
80	6 WG2116536-2 WG2116536
81	7 L2558152-02 WG2116536

82	8 WG2116536-3 WG2116536
83	9 WG2116536-4 WG2116536
84	10 L2558152-01 WG2116536
85	11 Check STD(5ug/L)
86	12 Check Blank
87	13 L2558152-05 WG2116536
88	14 L2558152-06 WG2116536
89	15 L2558152-07 WG2116536
90	16 L2558152-08 WG2116536
91	17 L2558152-09 WG2116536
92	18 L2558152-10 WG2116536
93	19 L2558152-11 WG2116536
94	20 L2558152-12 WG2116536
95	21 L2558152-13 WG2116536
96	22 L2558152-14 WG2116536
97	23 Check STD(5ug/L)
98	24 Check Blank
99	25 L2558379-03 WG2116536
100	26 L2558379-04 WG2116536
101	27 L2558379-05 WG2116536
102	28 XL2558379-06 WG2116536
103	29 L2558379-07 WG2116536
104	30 L2558379-08 WG2116536
105	31 WG2115519-1 WG2115519
106	32 WG2115519-2 WG2115519
107	33 L2558026-05 WG2115519
108	34 WG2115519-3 WG2115519
109	35 Check STD(5ug/L)
110	36 Check Blank
111	37 WG2115519-4 WG2115519
112	38 L2558026-06 WG2115519
113	39 L2555226-01 WG2116805
114	40 L2555226-03 WG2116805
115	41 L2555910-03 WG2116805
116	42 L2555910-05 WG2116805
117	43 L2557288-01 WG2116805
118	44 L2557288-04 WG2116805
119	45 L2558233-01 WG2116805
120	46 L2558058-01 WG2116994
121	47 Check STD(5ug/L)
122	48 Check Blank
123	49 L2558245-03 WG2116994
124	50 L2558245-04 WG2116994
125	51 L2558351-02 WG2116994

126	52 L2558351-03 WG2116994
127	53 L2558351-04 WG2116994
128	54 L2558351-05 WG2116994
129	55 L2558694-01 WG2116994
130	56 L2558694-02 WG2116994
131	57 L2558379-06 WG2116536
132	59 Check STD(5ug/L)
133	60 Check Blank
134	61 WG2117063-1 WG2117063
135	62 WG2117063-2 WG2117063
136	63 L2559075-01 WG2117063
137	64 WG2117063-3 WG2117063
138	65 WG2117063-4 WG2117063
139	66 WG2117067-1 WG2117067
140	67 WG2117067-2 WG2117067
141	68 L2557432-01 WG2117067
142	69 WG2117067-3 WG2117067
143	70 WG2117067-4 WG2117067
144	71 Check STD(5ug/L)
145	72 Check Blank

No.	Sample No. NAME	curve: WG2116765
1	1 STD	
2	2 STD	
3	3 STD	
4	4 STD	
5	5 STD	
6	6 STD	
1	7 ICV	
2	8 ICB	
3	9 WG2117659-1 WG2117659	
4	10 WG2117659-2 WG2117659	
5	11 L2559453-11 WG2117659	
6	12 WG2117659-3 WG2117659	
7	13 WG2117659-4 WG2117659	
8	14 L2559453-12 WG2117659	
9	15 L2557076-02 WG2115669	
10	16 L2557076-03 WG2115669	
11	17 L2557076-06 WG2115669	
12	18 L2557076-07 WG2115669	
13	19 Check STD(5ug/L)	
14	20 Check Blank	
15	21 L2557076-08 WG2115669	
16	22 L2557076-09 WG2115669	
17	23 L2557076-10 WG2115669	
18	24 L2558023-01 WG2115669	
19	25 L2558469-01 WG2115669	
20	26 WG2116843-1 WG2116843	
21	27 WG2116843-2 WG2116843	
22	28 L2558607-07 WG2116843	
23	29 WG2116843-3 WG2116843	
24	30 WG2116843-4 WG2116843	
25	31 Check STD(5ug/L)	
26	32 Check Blank	
27	33 XL2558203-01 WG2116843	
28	34 L2558203-03 WG2116843	
29	35 L2558511-01 WG2116843	
30	36 L2558520-01 WG2116843	
31	37 L2558721-01 WG2116843	
32	38 L2558728-01 WG2116843	
33	39 L2558733-01 WG2116843	
34	43 Check STD(5ug/L)	
35	44 Check Blank	
36	45 Check STD(5ug/L)	
37	46 Check Blank	

38	47 WG2117499-1 WG2117499
39	48 WG2117499-2 WG2117499
40	49 L2558935-02 WG2117499
41	50 WG2117499-3 WG2117499
42	51 WG2117499-4 WG2117499
43	52 L2558935-01 WG2117499
44	53 L2558935-03 WG2117499
45	54 L2559175-04 WG2117499
46	55 Check STD(5ug/L)
47	56 Check Blank
48	57 WG2117664-1 WG2117664
49	58 WG2117664-2 WG2117664
50	59 WG2117664-3 WG2117664
51	60 L2559345-01 WG2117664
52	61 L2559345-02 WG2117664
53	62 L2559487-07 WG2117664
54	63 WG2117053-1 WG2117053
55	64 WG2117053-2 WG2117053
56	65 L2558319-01 WG2117053
57	66 WG2117053-3 WG2117053
58	67 Check STD(5ug/L)
59	68 Check Blank
60	69 WG2117053-4 WG2117053
61	70 L2558203-02 WG2117053
62	71 L2558319-02 WG2117053
63	72 L2558319-03 WG2117053
64	73 L2558319-04 WG2117053
65	74 L2558866-01 WG2117053
66	75 L2558866-02 WG2117053
67	76 L2558866-03 WG2117053
68	77 LOQ Day 2 Waters JWN
69	79 Check STD(5ug/L)
70	80 Check Blank
71	1 WG2117128-1 WG2117128
72	2 WG2117128-2 WG2117128
73	3 WG2117128-3 WG2117128
74	4 L2558268-01 WG2117128
75	5 L2558268-02 WG2117128
76	6 L2559030-01 WG2117128
77	7 L2559030-02 WG2117128
78	8 L2559048-01 WG2117128
79	9 L2559048-02 WG2117128
80	10 L2559048-03 WG2117128
81	11 Check STD(5ug/L)

82	12 Check Blank
83	13 WG2117791-1 WG2117791
84	14 WG2117791-2 WG2117791
85	15 L2558430-01 WG2117791
86	16 WG2117791-3 WG2117791
87	17 WG2117791-4 WG2117791
88	18 L2558548-01 WG2117136
89	19 L2558548-02 WG2117136
90	20 L2558750-01 WG2117136
91	21 L2558750-03 WG2117136
92	22 L2558750-04 WG2117136
93	23 Check STD(5ug/L)
94	24 Check Blank
95	25 L2558986-01 WG2117136
96	26 L2558986-02 WG2117136
97	27 L2558986-03 WG2117136
98	28 L2558986-04 WG2117136
99	29 L2558986-05 WG2117136
100	30 L2558986-06 WG2117136
101	31 L2558986-07 WG2117136
102	35 Check STD(5ug/L)
103	36 Check Blank



METALS ELN REPORT

Workgroup: WG2115676

Digestion										
Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 245.1	HNO3	24022614	H2SO4	24009418	METALS	METSPIKE	HG2536090850AJTV2	METSPIKE	HG25360908328, 34450AJTV2	
Additional Reagent/Std		K2O8S2	PS2537160934SAM							
		KMnO4	PP2537160746SAM							
		NaCl-NH2OH.HCl	HH2537131445CME							
			ICV091525ARM							

Sample/Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol ml	Spike Amt	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2557076-02 SAMP	09/16/25 23:13	Abigail Jarvis	NA	25		09/16/25 23:13	8	95.8	09/17/25 01:14	25	
L2557076-03 SAMP	09/16/25 23:13	Abigail Jarvis	NA	25		09/16/25 23:13	8	95.8	09/17/25 01:14	25	
L2557076-04 SAMP	09/16/25 23:13	Abigail Jarvis	NA	25		09/16/25 23:13	8	95.8	09/17/25 01:14	25	
L2557076-05 SAMP	09/16/25 23:13	Abigail Jarvis	NA	25		09/16/25 23:13	8	95.8	09/17/25 01:14	25	
L2557076-06 SAMP	09/16/25 23:13	Abigail Jarvis	NA	25		09/16/25 23:13	8	95.8	09/17/25 01:14	25	
L2557076-07 SAMP	09/16/25 23:13	Abigail Jarvis	NA	25		09/16/25 23:13	8	95.8	09/17/25 01:14	25	
L2557076-08 SAMP	09/16/25 23:13	Abigail Jarvis	NA	25		09/16/25 23:13	8	95.8	09/17/25 01:14	25	
L2557076-09 SAMP	09/16/25 23:13	Abigail Jarvis	NA	25		09/16/25 23:13	8	95.8	09/17/25 01:14	25	



METALS ELN REPORT

Workgroup: WG2115676

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol	Comments
L2557076-10 SAMP	09/16/25 23:13	Abigail Jarvis	NA	25		09/16/25 23:13	8	95.8	09/17/25 01:14	25	
L2557734-01 WATER	09/16/25 23:13	Abigail Jarvis	NA	25		09/16/25 23:13	8	95.8	09/17/25 01:14	25	
WG2115676-1 BLANK	09/16/25 23:13	Abigail Jarvis	NA	25		09/16/25 23:13	8	95.8	09/17/25 01:14	25	ELN:GAN
WG2115676-2 LCS	09/16/25 23:13	Abigail Jarvis	NA	25	0.25	09/16/25 23:13	8	95.8	09/17/25 01:14	25	
WG2115676-3 MS	09/16/25 23:13	Abigail Jarvis	NA	25	1.25	09/16/25 23:13	8	95.8	09/17/25 01:14	25	
WG2115676-4 DUP	09/16/25 23:13	Abigail Jarvis	NA	25		09/16/25 23:13	8	95.8	09/17/25 01:14	25	

Reagent	Actual Volume	Units
Sulfuric Acid (H2SO4)	1.25	ml
Nitric Acid (HNO3)	.625	ml
Potassium Permanganal	3.75	ml
Potassium Persulfate (K:	2	ml
NaCl-Hydroxylamine Hy	1.5	ml



METALS ELN REPORT

Workgroup: WG2115669

Digestion										
Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 245.1	HNO3	24022614	H2SO4	24009418	METALS	METSPIKE	HG2536090850AJTV2	METSPIKE	HG25360908328, 34450AJTV2	
Additional Reagent/Std		K2O8S2		PS2537160934SAM						
		KMnO4		PP2537160746SAM						
		NaCl-NH2OH.HCl		HH2537131445CME						
				ICV091525ARM						

Sample/Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2557076-02 SAMP	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	
L2557076-03 SAMP	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	
L2557076-04 SAMP	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	
L2557076-05 SAMP	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	
L2557076-06 SAMP	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	
L2557076-07 SAMP	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	
L2557076-08 SAMP	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	
L2557076-09 SAMP	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	



METALS ELN REPORT

Workgroup: WG2115669

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2557076-10 SAMP	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	
L2557794-01 WATER	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	
L2558023-01 SAMP	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	
L2558469-01 SAMP	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	
WG2115669-1 BLANK	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	ELN: AJJ
WG2115669-2 LCS	09/16/25 22:37	Maisie Mcqueen	25	0.25	09/16/25 22:37	5	94.4	09/17/25 00:37	25	
WG2115669-3 MS	09/16/25 22:37	Maisie Mcqueen	25	1.25	09/16/25 22:37	5	94.4	09/17/25 00:37	25	
WG2115669-4 DUP	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	
WG2115669-5 MS	09/16/25 22:37	Maisie Mcqueen	25	1.25	09/16/25 22:37	5	94.4	09/17/25 00:37	25	
WG2115669-6 DUP	09/16/25 22:37	Maisie Mcqueen	25		09/16/25 22:37	5	94.4	09/17/25 00:37	25	



METALS ELN REPORT

Workgroup: WG2115669

Reagent	Actual Volume	Units
Sulfuric Acid (H ₂ SO ₄)	1.25	ml
Nitric Acid (HNO ₃)	.625	ml
Potassium Permanganal	3.75	ml
Potassium Persulfate (K:	2	ml
NaCl-Hydroxylamine Hy	1.5	ml



ATTACHMENT G



Wet Chemistry

Total Nitrogen Analysis

Results

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-02
 Client ID : 3A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2118304.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:40
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 07:40
 Dilution Factor : 1
 Analyst : MRM
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	ND	0.30	0.30	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-03
 Client ID : 3B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2118304.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:50
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 07:40
 Dilution Factor : 1
 Analyst : MRM
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	0.37	0.30	0.30	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-04
Client ID : DUP001
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 107,-
Lab File ID : WG2118304.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:45
Date Received : 09/09/25
Date Analyzed : 09/23/25 07:40
Dilution Factor : 1
Analyst : MRM
Instrument ID :
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	ND	0.30	0.30	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-05
 Client ID : 4A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2118304.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 09:55
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 07:40
 Dilution Factor : 1
 Analyst : MRM
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	0.73	0.30	0.30	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-06
 Client ID : 4B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2118304.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 10:55
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 07:40
 Dilution Factor : 1
 Analyst : MRM
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	ND	0.30	0.30	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-07
 Client ID : 2A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2118304.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:45
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 07:40
 Dilution Factor : 1
 Analyst : MRM
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	ND	0.30	0.30	U



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-08
Client ID : 2B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 107,-
Lab File ID : WG2118304.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 11:55
Date Received : 09/09/25
Date Analyzed : 09/23/25 07:40
Dilution Factor : 1
Analyst : MRM
Instrument ID :
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	ND	0.30	0.30	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-09
 Client ID : 8A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2118304.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 12:45
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 07:40
 Dilution Factor : 1
 Analyst : MRM
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	2.4	0.30	0.30	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-10
 Client ID : 8B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2118304.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 13:05
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 07:40
 Dilution Factor : 1
 Analyst : MRM
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	0.67	0.30	0.30	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-11
 Client ID : 9A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2118304.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:10
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 07:40
 Dilution Factor : 1
 Analyst : MRM
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	5.2	0.30	0.30	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-12
 Client ID : 9B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2118304.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:30
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 07:40
 Dilution Factor : 1
 Analyst : MRM
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	ND	0.30	0.30	U



Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
TOTAL NITROGEN

Last Change 3/5/13 GFF
File tnitrogen.xlt

Sample #: _____

Client: _____

Analysis: **Total Nitrogen**

Method: *Calculation from TKN & NO3/NO2*

Product: **TNITROGEN**

Analyte: **Total Nitrogen,**

Analysis Date: 9/23/2025 7:40

Technician: **MRM**

Work group: **WG2118304**

RL: **0.3 mg/L**

	Sample Number	TKN (mg/L)	NO3/NO2 (mg/L)	RL Multiplier	Result (mg/L)
SAMP	L2556676-02	0.227	0.22	1.0	0.22
SAMP	L2556676-03	0.366	0	1.0	0.366
SAMP	L2556676-04	0.256	0.2	1.0	0.2
SAMP	L2556676-05	0.296	0.73	1.0	0.73
SAMP	L2556676-06	0.284	0.13	1.0	0.13
SAMP	L2556676-07	0.191	0.11	1.0	0.11
SAMP	L2556676-08	0.207	0.22	1.0	0.22
SAMP	L2556676-09	0.175	2.4	1.0	2.4
SAMP	L2556676-10	0.198	0.67	1.0	0.67
SAMP	L2556676-11	0.1	5.2	1.0	5.2
SAMP	L2556676-12	0.276	0	1.0	0
SAMP	L2557020-01	11.1	0.11	1.0	11.21
SAMP	L2557021-01	13.3	0.15	1.0	13.45
SAMP	L2557023-01	2.8	0.072	1.0	2.8

Calculations of Total Nitrogen

Calculate the concentration value based on results for TKN-N and NO₃/NO₂-N.

Aqueous samples:

$$\text{mgTN-N/L} = \text{TKN-N(mg/l)} + \text{NO}_3/\text{NO}_2\text{-N (mg/l)}$$

Soil samples:

$$\text{mgTN-N/Kg} = \text{TKN-N(mg/Kg)} + \text{NO}_3/\text{NO}_2\text{-N(mg/Kg)}$$

Total Kjeldahl Nitrogen Analysis

Results

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-02
 Client ID : 3A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NH3-H
 Lab File ID : NH320250922-C
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:40
 Date Received : 09/09/25
 Date Analyzed : 09/22/25 18:27
 Dilution Factor : 1
 Analyst : AT
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 09/21/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.227	0.300	0.066	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-03
Client ID : 3B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NH3-H
Lab File ID : NH320250922-C
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:50
Date Received : 09/09/25
Date Analyzed : 09/22/25 18:28
Dilution Factor : 1
Analyst : AT
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/21/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.366	0.300	0.066	

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-04
 Client ID : DUP001
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NH3-H
 Lab File ID : NH320250922-C
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:45
 Date Received : 09/09/25
 Date Analyzed : 09/22/25 18:29
 Dilution Factor : 1
 Analyst : AT
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 09/21/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.256	0.300	0.066	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-05
 Client ID : 4A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NH3-H
 Lab File ID : NH320250922-C
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 09:55
 Date Received : 09/09/25
 Date Analyzed : 09/22/25 18:33
 Dilution Factor : 1
 Analyst : AT
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 09/21/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.296	0.300	0.066	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-06
Client ID : 4B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NH3-H
Lab File ID : NH320250922-C
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 10:55
Date Received : 09/09/25
Date Analyzed : 09/22/25 18:34
Dilution Factor : 1
Analyst : AT
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/21/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.284	0.300	0.066	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-07
Client ID : 2A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NH3-H
Lab File ID : NH320250922-C
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 11:45
Date Received : 09/09/25
Date Analyzed : 09/22/25 18:35
Dilution Factor : 1
Analyst : AT
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/21/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.191	0.300	0.066	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-08
Client ID : 2B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NH3-H
Lab File ID : NH320250922-C
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 11:55
Date Received : 09/09/25
Date Analyzed : 09/22/25 18:36
Dilution Factor : 1
Analyst : AT
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/21/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.207	0.300	0.066	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-09
Client ID : 8A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NH3-H
Lab File ID : NH320250922-C
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 12:45
Date Received : 09/09/25
Date Analyzed : 09/22/25 18:36
Dilution Factor : 1
Analyst : AT
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/21/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.175	0.300	0.066	J

Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-10
Client ID : 8B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NH3-H
Lab File ID : NH320250922-C
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 13:05
Date Received : 09/09/25
Date Analyzed : 09/22/25 18:39
Dilution Factor : 1
Analyst : AT
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/21/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.198	0.300	0.066	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-11
Client ID : 9A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NH3-H
Lab File ID : NH320250922-C
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 14:10
Date Received : 09/09/25
Date Analyzed : 09/22/25 18:40
Dilution Factor : 1
Analyst : AT
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/21/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.100	0.300	0.066	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-12
 Client ID : 9B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NH3-H
 Lab File ID : NH320250922-C
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:30
 Date Received : 09/09/25
 Date Analyzed : 09/22/25 18:41
 Dilution Factor : 1
 Analyst : AT
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 09/21/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.276	0.300	0.066	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2117541-1
 Client ID : WG2117541-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,4500NH3-H
 Lab File ID : NH320250922-C
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/22/25 18:21
 Dilution Factor : 1
 Analyst : AT
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 09/21/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.066	0.300	0.022	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2117541-3
Client ID : 8ADUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NH3-H
Lab File ID : NH320250922-C
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 12:45
Date Received : 09/09/25
Date Analyzed : 09/22/25 18:38
Dilution Factor : 1
Analyst : AT
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/21/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.422	0.300	0.066	



Sample Raw Data

Original Run Filename: OM_9-22-2025_04-33-03PM.OMN Created: 9/22/2025 4:33:03 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-22-2025_04-33-03PM.OMN Last Modified: 9/22/2025 5:24:15 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

A

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			LOW NH3 (mg N/L)			
STD 1	1	S1	10.000			
STD 2	1	S2	8.0000			
STD 3	1	S3	4.0000			
STD 4	1	S4	2.0000			
STD 5	1	S5	1.0000			
STD 6	1	S6	0.40000			
STD 7	1	S7	0.20000			
STD 8	1	S8	0.10000			
STD 9	1	S9	0.050000			
STD 10	1	S10	0.0000			
CCV L 0.4000	1	S6	0.37398	94%		
Known Conc:			0.40000			
Calibration:			Table/Fig. : 1	102%		
CCV H 4.0000	1	S3	4.0589			
Known Conc:			4.0000			
CCB	1	S10	0.029714			
Known Conc:			0.0000			
HI ICV 8.0	1	1	7.9812	100%		
LO ICV 1.0	1	2	0.97467	97%		
ICB	1	3	0.017989			
WG2117930-1; BLK 9/22	1	4	0.010764		1.50	106%
WG2117930-2; HI LCS; 5X	1	5	21.147		7.50	
LO LCS	1	6	0.19125		1.50	
L2559394-04; 50X	1	7	159.58		75.00	
L2559394-05; 50X	1	8	147.26		75.00	
L2559397-01	1	9	0.19790		1.50	
L2558030-10	1	10	0.048450	94%	1.50	
CCV L 0.4000	1	S6	0.37663			
Known Conc:			0.40000			
CCV H 4.0000	1	S3	4.0384	101%		
Known Conc:			4.0000			
CCB	1	S10	0.026741			
Known Conc:			0.0000			
FILTER BLK	1	11	0.96922		1.50	
L2559400-02	1	12	0.088606		1.50	
WG2117930-4; 59400.2 MS	1	13	4.3558		1.50	107%
WG2117930-3; 59400.2 DUP	1	14	0.13259		1.50	40% (2-14-2)
L2559400-03; 50X	1	15	233.17		75.00	
L2559400-04; 50X	1	16	224.57		75.00	
L2559400-05; 50X	1	17	197.19		75.00	
L2558030-14	1	18	0.25005		1.50	
L2558039-10	1	19	0.16696		1.50	
L2558039-25	1	20	0.22012		1.50	
CCV L 0.4000	1	S6	0.37818	95%		
Known Conc:			0.40000			
CCV H 4.0000	1	S3	4.0245	101%		
Known Conc:			4.0000			
CCB	1	S10	0.025274			
Known Conc:			0.0000			
L2558394-02	1	21	0.071589		1.50	
L2558394-05	1	22	0.14984		1.50	
L2558394-08	1	23	0.033646		1.50	
L2558045-02	1	24	0.038255		1.50	
L2558045-26	1	25	0.090347		1.50	
L2558049-02	1	26	0.056961		1.50	
L2558049-08	1	27	0.060894		1.50	
L2558051-06	1	28	0.019538		1.50	
FILTER BLK	1	29	0.92302		1.50	
CCV L 0.4000	1	S6	0.36508	91%		

		Known Conc:	0.40000		
CCV H 4.0000	1	S3	4.0658	0.1	
		Known Conc:	4.0000		
CCB	1	S10	0.022306		
		Known Conc:	0.0000		

Channel 1 (Ammonia Low) - Current View

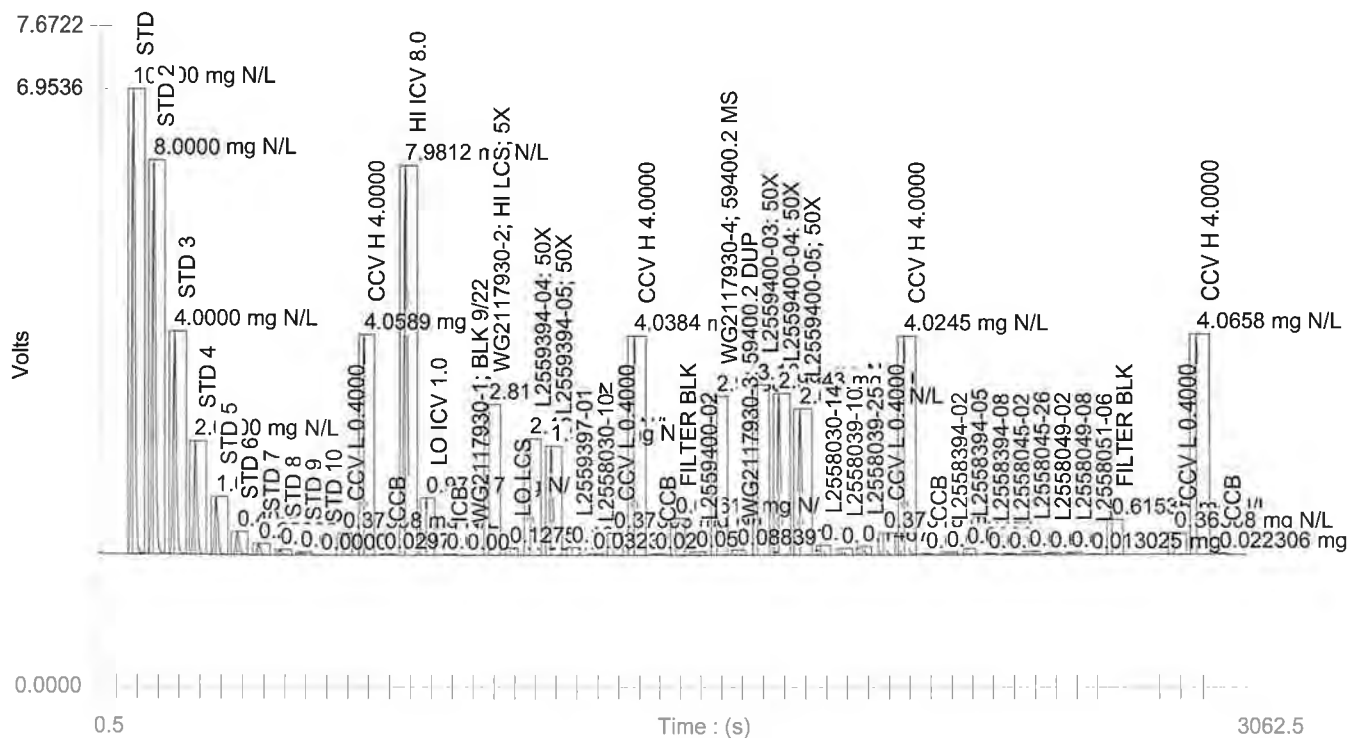
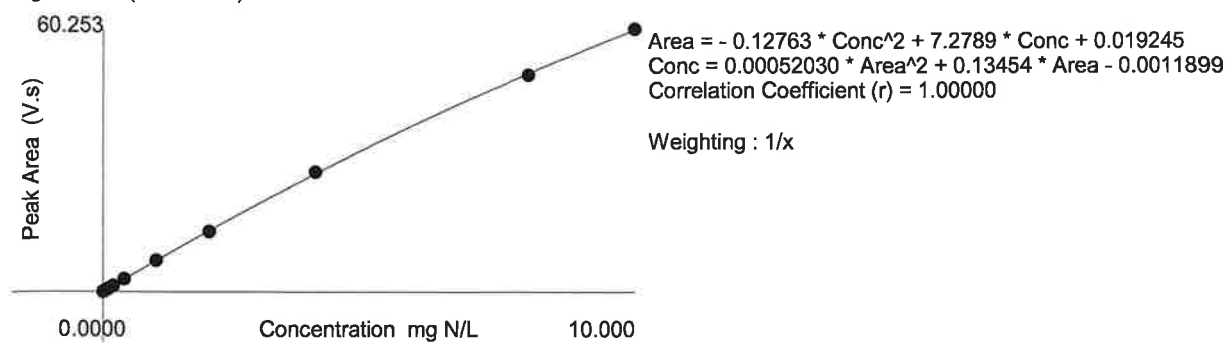


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	60.253	5.4000	0.0	-0.3	9.9939	9/22/2025	4:33:54 PM
2	8.0000	1	49.689	4.5771	0.0	0.8	7.9683	9/22/2025	4:34:50 PM
3	4.0000	1	27.455	2.5995	0.0	-1.3	4.0847	9/22/2025	4:35:46 PM
4	2.0000	1	13.854	1.3247	0.0	1.5	1.9625	9/22/2025	4:36:42 PM
5	1.0000	1	7.1881	0.67677	0.0	-0.2	0.99274	9/22/2025	4:37:38 PM
6	0.40000	1	2.9667	0.26919	0.0	-1.9	0.40251	9/22/2025	4:38:35 PM
7	0.20000	1	1.4524	0.13314	0.0	1.2	0.19530	9/22/2025	4:39:32 PM
8	0.10000	1	0.72929	0.064762	0.0	2.2	0.097202	9/22/2025	4:40:30 PM
9	0.050000	1	0.37760	0.032676	0.0	1.4	0.049684	9/22/2025	4:41:25 PM
10	0.0000	1	0.031468	0.0027980			0.0030441	9/22/2025	4:42:21 PM

Figure : 1 (LOW NH3)



Original Run Filename: OM_9-22-2025_05-25-43PM.OMN Created: 9/22/2025 5:25:43 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-22-2025_05-25-43PM.OMN Last Modified: 9/22/2025 6:02:59 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

(3)

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			LOW NH3 (mg N/L)			
CCV L 0.4000	1	S6	0.36504	91%		
		Known Conc:	0.40000			
		Calibration:	Table/Fig. : 1	101%		
CCV H 4.0000	1	S3	4.0333			
		Known Conc:	4.0000			
CCB	1	S10	0.026778			
		Known Conc:	0.0000			
WG2117542-1 T; BLK 9/21	1	1	0.033812			
WG2117542-2 T; HI LCS; 5X	1	2	39.039		15.00	20%
LO LCS T	1	3	3.9143		3.00	58%
L2557236-01 T	1	4	0.43597		3.00	
WG2117542-4 T; 57236.1 MS	1	5	8.9201		3.00	106%
WG2117542-3 T; 57236.1 DUP	1	6	0.62119		3.00	35% (57236.1)
L2557145-01 T	1	7	1.5813		3.00	
L2557383-01 T	1	8	14.840		15.00	
L2557383-02 T	1	9	4.2380		3.00	
L2557161-01 T	1	10	8.9215	96%	60.00	
CCV L 0.4000	1	S6	0.38228			
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	4.0456	100%		
		Known Conc:	4.0000			
CCB	1	S10	0.031032			
		Known Conc:	0.0000			
L2557168-01 T	1	11	51.137		3.00	add. dilution.
L2557386-01 T	1	12	2.9614		3.00	
L2557021-01 T	1	13	13.310		3.00	
L2557023-01 T	1	14	2.7978		3.00	
L2557157-01 T	1	15	5.1830		3.00	
L2557163-01 T	1	16	5.3499		15.00	
L2557165-01 T	1	17	2.7113		15.00	
L2557159-01 T	1	18	3.1867		30.00	
L2557154-01 T	1	19	9.0641		30.00	
L2557152-01 T	1	20	23.032		75.00	
CCV L 0.4000	1	S6	0.37219	131%		
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	4.0066	100%		
		Known Conc:	4.0000			
CCB	1	S10	0.032713			
		Known Conc:	0.0000			
L2557168-01 T; 10X	1	21	56.776		30.00	
L2557386-01 T	1	22	1.6566	91%	3.00	
CCV L 0.4000	1	S6	0.37515			
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	4.0179	101%		
		Known Conc:	4.0000			
CCB	1	S10	0.032219			
		Known Conc:	0.0000			

Channel 1 (Ammonia Low) - Current View

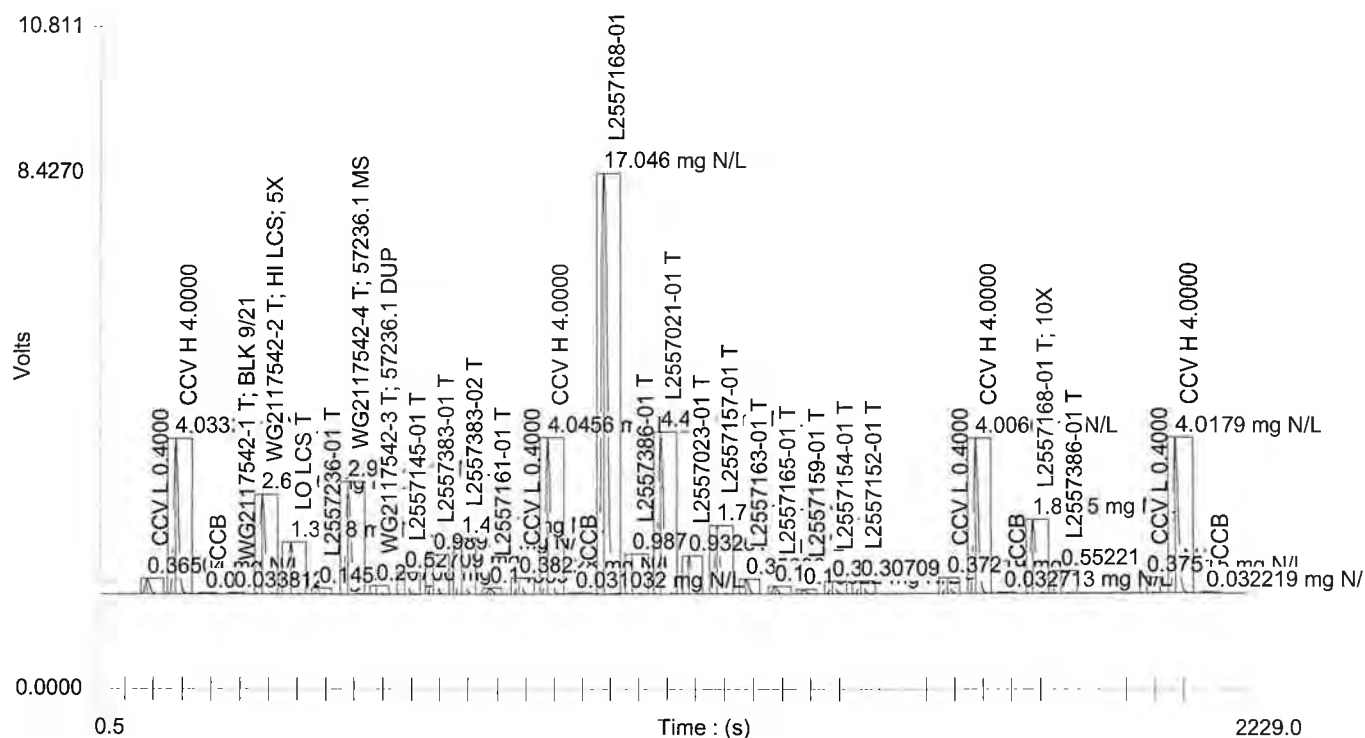
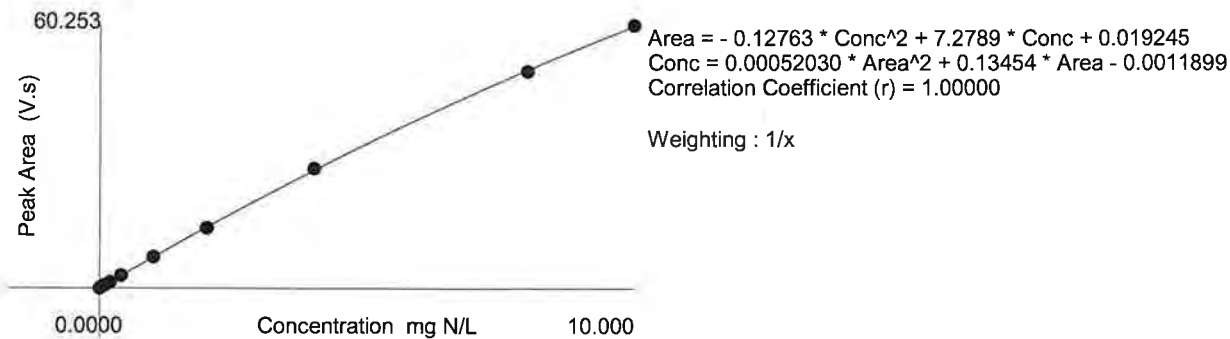


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	60.253	5.4000	0.0	-0.3	9.9939	9/22/2025	4:33:54 PM
2	8.0000	1	49.689	4.5771	0.0	0.8	7.9683	9/22/2025	4:34:50 PM
3	4.0000	1	27.455	2.5995	0.0	-1.3	4.0847	9/22/2025	4:35:46 PM
4	2.0000	1	13.854	1.3247	0.0	1.5	1.9625	9/22/2025	4:36:42 PM
5	1.0000	1	7.1881	0.67677	0.0	-0.2	0.99274	9/22/2025	4:37:38 PM
6	0.40000	1	2.9667	0.26919	0.0	-1.9	0.40251	9/22/2025	4:38:35 PM
7	0.20000	1	1.4524	0.13314	0.0	1.2	0.19530	9/22/2025	4:39:32 PM
8	0.10000	1	0.72929	0.064762	0.0	2.2	0.097202	9/22/2025	4:40:30 PM
9	0.050000	1	0.37760	0.032676	0.0	1.4	0.049684	9/22/2025	4:41:25 PM
10	0.0000	1	0.031468	0.0027980			0.0030441	9/22/2025	4:42:21 PM

Figure : 1 (LOW NH3)



Original Run Filename: OM_9-22-2025_06-17-32PM.OMN Created: 9/22/2025 6:17:32 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-22-2025_06-17-32PM.OMN Last Modified: 9/22/2025 6:48:16 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

C

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			LOW NH3 (mg N/L)			
CCV L 0.4000	1	S6	0.39666	99%		
		Known Conc:	0.40000			
		Calibration:	Table/Fig. : 1			
CCV H 4.0000	1	S3	4.0377	101%		
		Known Conc:	4.0000			
CCB	1	S10	0.024760			
		Known Conc:	0.0000			
WG2117541-1 T; BLK 9/21	1	1	0.022242			98%
WG2117541-2 T; HI LCS; 5X	1	2	39.064		15.00	105%
LO LCS T	1	3	4.2014		3.00	
L2556102-02 T	1	4	3.0390		3.00	
L2557020-01 T	1	5	11.137		3.00	
L2556974-02 T	1	6	1.7348		3.00	
L2556973-02 T	1	7	1.7476		6.00	
L2556676-02 T	1	8	0.22728		3.00	
L2556676-03 T	1	9	0.36562		3.00	
L2556676-04 T	1	10	0.25556	99%	3.00	
CCV L 0.4000	1	S6	0.37651			
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	4.0501	101%		
		Known Conc:	4.0000			
CCB	1	S10	0.024839			
		Known Conc:	0.0000			
L2556676-05 T	1	11	0.29655		3.00	
L2556676-06 T	1	12	0.28354		3.00	
L2556676-07 T	1	13	0.19102		3.00	
L2556676-08 T	1	14	0.20720		3.00	
L2556676-09 T	1	15	0.17512		3.00	102%
WG2117541-4 T; 56676.9 MS	1	16	8.1218		3.00	NCS (5.44)
WG2117541-3 T; 56676.9 DUP	1	17	0.42165		3.00	
L2556676-10 T	1	18	0.19783		3.00	
L2556676-11 T	1	19	0.10042		3.00	
L2556676-12 T	1	20	0.27657		3.00	
CCV L 0.4000	1	S6	0.36114	90%		
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	4.0029	100%		
		Known Conc:	4.0000			
CCB	1	S10	0.019025			
		Known Conc:	0.0000			

Channel 1 (Ammonia Low) - Current View

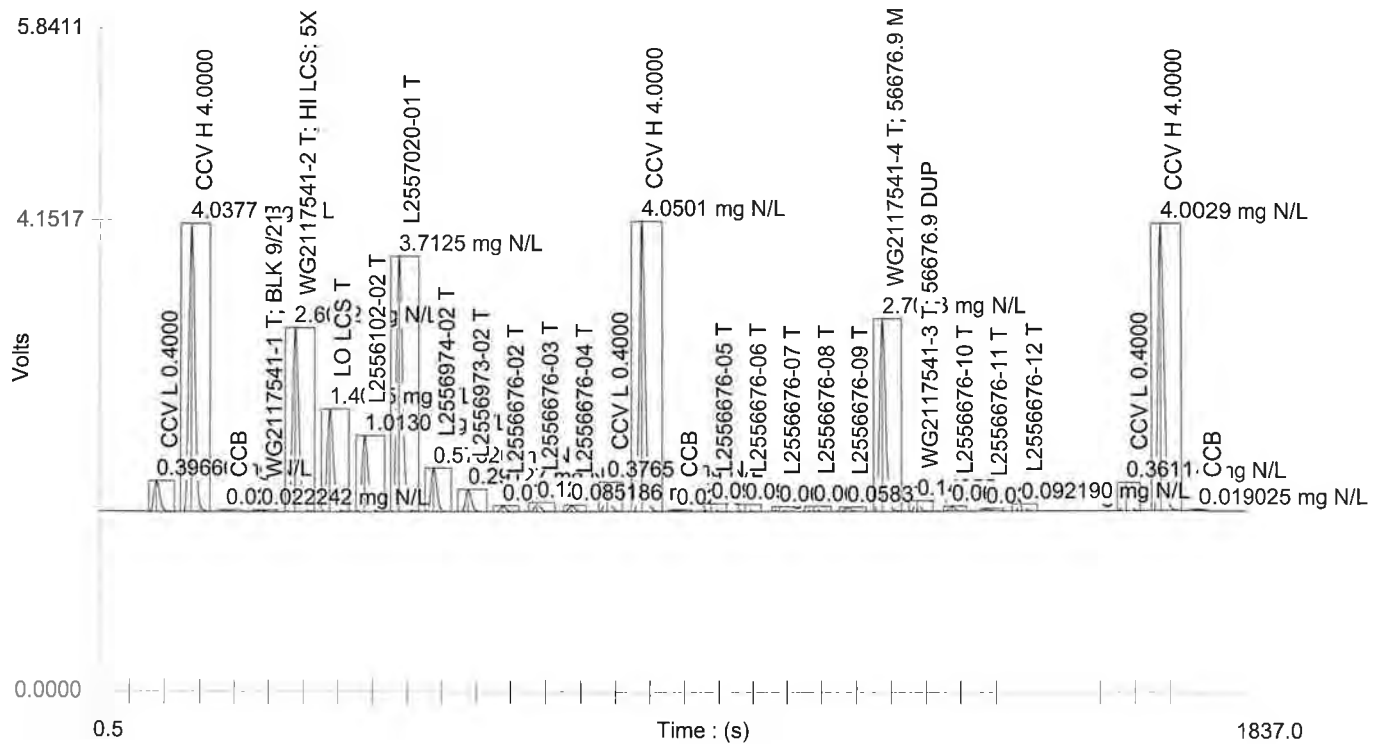
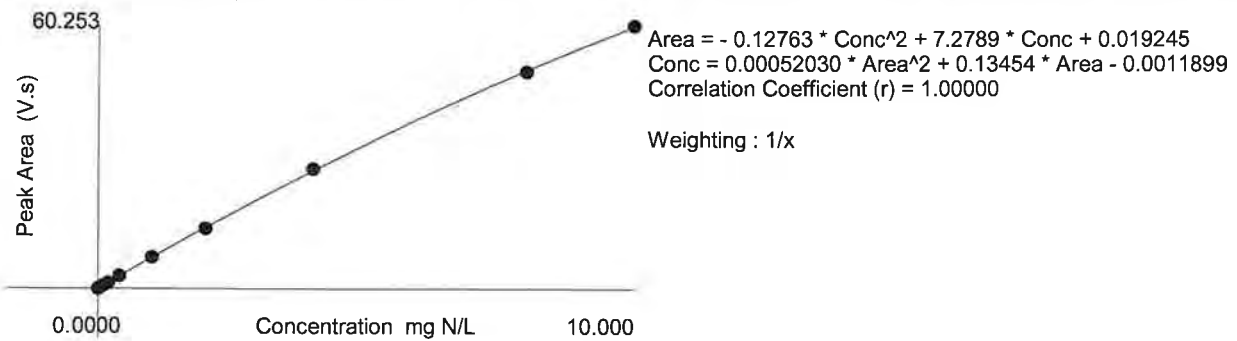


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	60.253	5.4000	0.0	-0.3	9.9939	9/22/2025	4:33:54 PM
2	8.0000	1	49.689	4.5771	0.0	0.8	7.9683	9/22/2025	4:34:50 PM
3	4.0000	1	27.455	2.5995	0.0	-1.3	4.0847	9/22/2025	4:35:46 PM
4	2.0000	1	13.854	1.3247	0.0	1.5	1.9625	9/22/2025	4:36:42 PM
5	1.0000	1	7.1881	0.67677	0.0	-0.2	0.99274	9/22/2025	4:37:38 PM
6	0.40000	1	2.9667	0.26919	0.0	-1.9	0.40251	9/22/2025	4:38:35 PM
7	0.20000	1	1.4524	0.13314	0.0	1.2	0.19530	9/22/2025	4:39:32 PM
8	0.10000	1	0.72929	0.064762	0.0	2.2	0.097202	9/22/2025	4:40:30 PM
9	0.050000	1	0.37760	0.032676	0.0	1.4	0.049684	9/22/2025	4:41:25 PM
10	0.0000	1	0.031468	0.0027980			0.0030441	9/22/2025	4:42:21 PM

Figure : 1 (LOW NH3)



Original Run Filename: OM_9-22-2025_09-32-46PM.OMN Created: 9/22/2025 9:32:46 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-22-2025_09-32-46PM.OMN Last Modified: 9/22/2025 10:08:10 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run



Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			LOW NH3 (mg N/L)			
CCV L 0.4000	1	S6	0.38125	95%		
		Known Conc:	0.40000			
		Calibration:	Table/Fig. : 1			
CCV H 4.0000	1	S3	4.1245	103%		
		Known Conc:	4.0000			
CCB	1	S10	0.024798	/		
		Known Conc:	0.0000			
WG2117923-1; BLK 9/22	1	1	0.011414		1.50	103%
WG2117923-2; HI LCS; 5X	1	2	20.540		7.50	98%
LO LCS	1	3	1.9515		1.50	
L2557999-02; 50X	1	4	319.64		75.00	
L2557999-03; 50X	1	5	132.83		75.00	
L2558171-01; 5X	1	6	16.563		7.50	
L2557745-01	1	7	0.40099		1.50	
L2557807-01	1	8	0.14254		1.50	
L2557807-02	1	9	0.16508		1.50	
L2557807-03	1	10	0.031664		1.50	
CCV L 0.4000	1	S6	0.39075	98%		
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	4.0891	102%		
		Known Conc:	4.0000			
CCB	1	S10	0.031428	/		
		Known Conc:	0.0000			
L2557646-02	1	11	0.71586		1.50	
L2557647-01	1	12	8.9294		1.50	
L2557647-02	1	13	8.6135		1.50	
L2556673-01	1	14	0.34005		1.50	
L2556673-02	1	15	0.063317		1.50	94%
WG2117923-4; 56673.2 MS	1	16	3.7721		1.50	NC (2+2L)
WG2117923-3; 56673.2 DUP	1	17	0.13507		1.50	
L2556673-03	1	18	0.68989		1.50	
WG2117923-6; 56673.3 MS	1	19	4.9854		1.50	107%
WG2117923-5; 56673.3 DUP	1	20	0.81456		1.50	16%
CCV L 0.4000	1	S6	0.41027	105%		
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	4.0698	102%		
		Known Conc:	4.0000			
CCB	1	S10	0.036058	/		
		Known Conc:	0.0000			
L2556673-04	1	21	1.5934		1.50	
L2556673-05	1	22	0.082629		1.50	
CCV L 0.4000	1	S6	0.38351	96%		
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	4.0688	102%		
		Known Conc:	4.0000			
CCB	1	S10	0.030682	/		
		Known Conc:	0.0000			

Channel 1 (Ammonia Low) - Current View

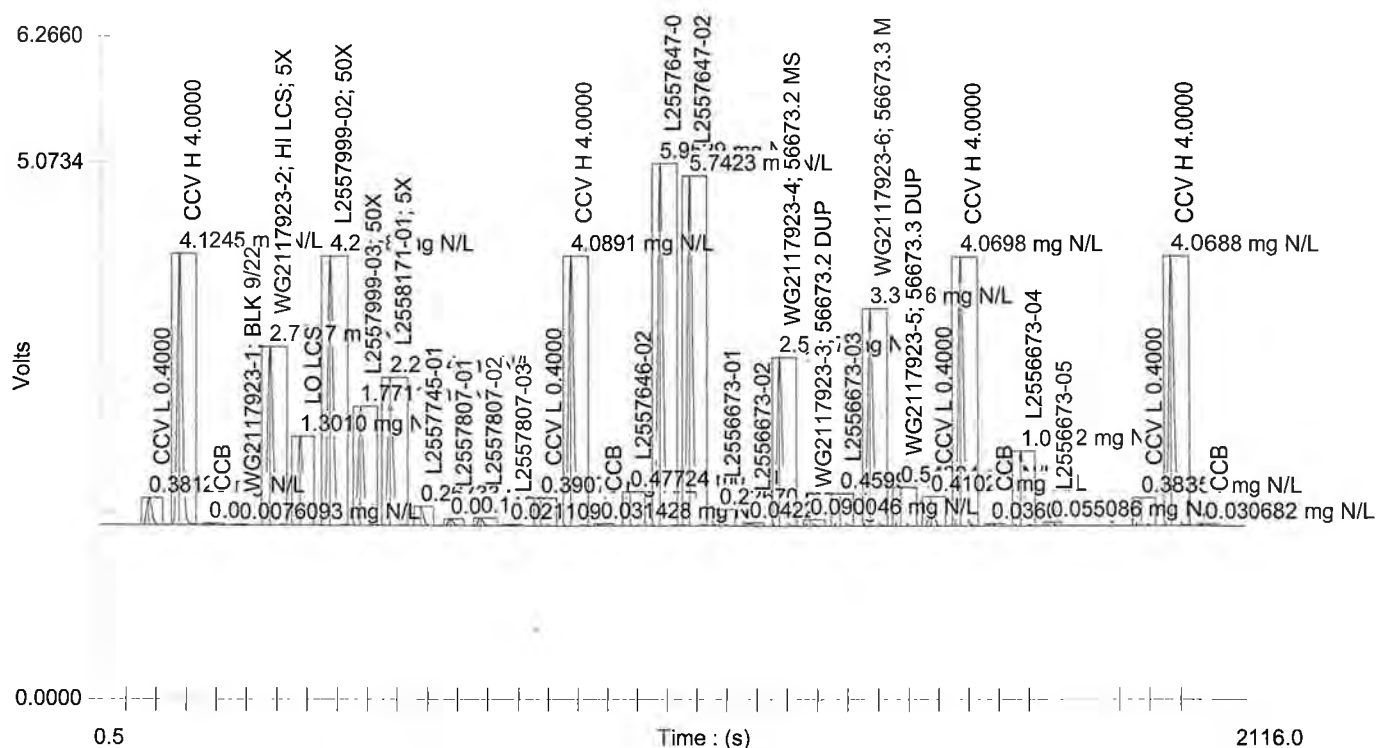
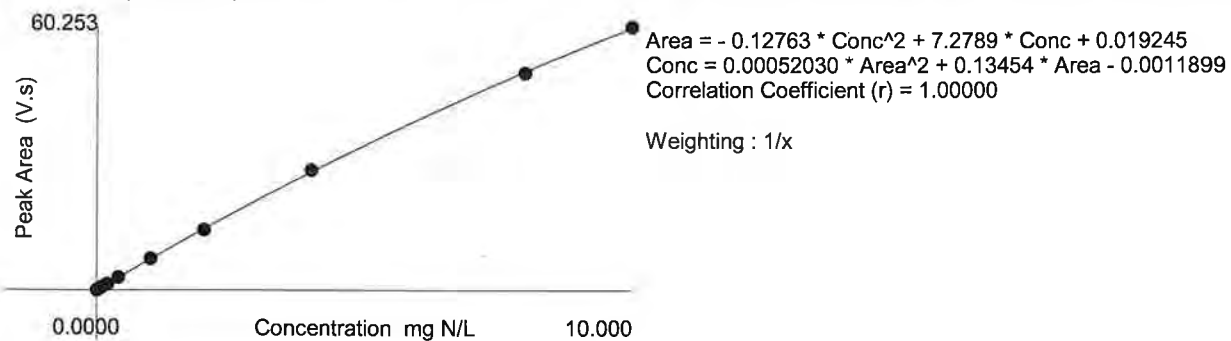


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	60.253	5.4000	0.0	-0.3	9.9939	9/22/2025	4:33:54 PM
2	8.0000	1	49.689	4.5771	0.0	0.8	7.9683	9/22/2025	4:34:50 PM
3	4.0000	1	27.455	2.5995	0.0	-1.3	4.0847	9/22/2025	4:35:46 PM
4	2.0000	1	13.854	1.3247	0.0	1.5	1.9625	9/22/2025	4:36:42 PM
5	1.0000	1	7.1881	0.67677	0.0	-0.2	0.99274	9/22/2025	4:37:38 PM
6	0.40000	1	2.9667	0.26919	0.0	-1.9	0.40251	9/22/2025	4:38:35 PM
7	0.20000	1	1.4524	0.13314	0.0	1.2	0.19530	9/22/2025	4:39:32 PM
8	0.10000	1	0.72929	0.064762	0.0	2.2	0.097202	9/22/2025	4:40:30 PM
9	0.050000	1	0.37760	0.032676	0.0	1.4	0.049684	9/22/2025	4:41:25 PM
10	0.0000	1	0.031468	0.0027980			0.0030441	9/22/2025	4:42:21 PM

Figure : 1 (LOW NH3)



Original Run Filename: OM_9-22-2025_10-59-22PM.OMN Created: 9/22/2025 10:59:22 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-22-2025_10-59-22PM.OMN Last Modified: 9/22/2025 11:37:33 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

E

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			LOW NH3 (mg N/L)			
CCV L 0.4000	1	S6	0.39144	98%		
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	3.9549	99%		
		Known Conc:	4.0000			
		Calibration:	Table/Fig. : 1			
CCB	1	S10	0.033503	/		
		Known Conc:	0.0000			
WG2118014-1; BLK 9/22	1	1	0.031071		1.50	97%
WG2118014-2; HI LCS; 5X	1	2	19.355		7.50	95%
LO LCS	1	3	1.8647		1.50	95%
L2557776-13	1	4	0.30651	-	1.50	100%
WG2118014-4; 57776.13 MS	1	5	4.2884	-	1.50	35%
WG2118014-3; 57776.13 DUP	1	6	0.43571	-	1.50	
L2557776-14	1	7	0.22343		1.50	
L2557776-15	1	8	0.059856		1.50	
L2557777-04	1	9	0.52207		1.50	
L2557777-05	1	10	0.49156		1.50	
CCV L 0.4000	1	S6	0.39640	97%		
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	3.9712	99%		
		Known Conc:	4.0000			
CCB	1	S10	0.033991	/		
		Known Conc:	0.0000			
L2557777-06	1	11	0.071328		1.50	
L2557777-07	1	12	0.029367		1.50	
L2557777-10	1	13	0.037625		1.50	
L2557777-12	1	14	0.041864		1.50	
L2557777-14	1	15	0.030007		1.50	
L2558152-01	1	16	0.28944		1.50	
L2558152-02	1	17	0.42596		1.50	
L2558152-03; 10X	1	18	16.728		15.00	
L2558152-04; 10X	1	19	17.083		15.00	
L2558152-05	1	20	0.38992	98%	1.50	
CCV L 0.4000	1	S6	0.39763			
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	3.9377	99%		
		Known Conc:	4.0000			
CCB	1	S10	0.038623	/		
		Known Conc:	0.0000			
L2558152-06	1	21	0.048916	/	1.50	
L2558152-07	1	22	5.4404		1.50	
L2558152-08	1	23	1.6735		1.50	
L2558152-09	1	24	3.1097		1.50	
L2558152-10	1	25	1.1215		1.50	
CCV L 0.4000	1	S6	0.39310	98%		
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	3.9363	99%		
		Known Conc:	4.0000			
CCB	1	S10	0.037234	/		
		Known Conc:	0.0000			

Channel 1 (Ammonia Low) - Current View

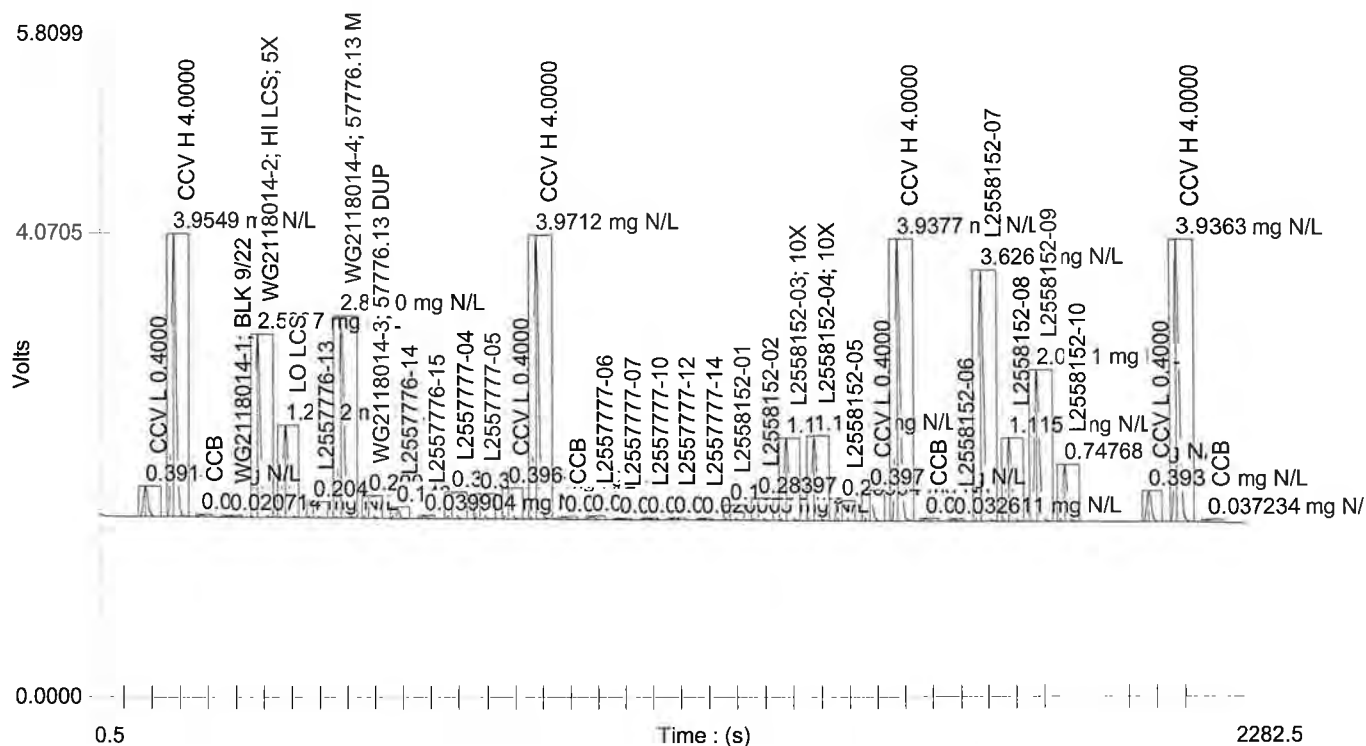
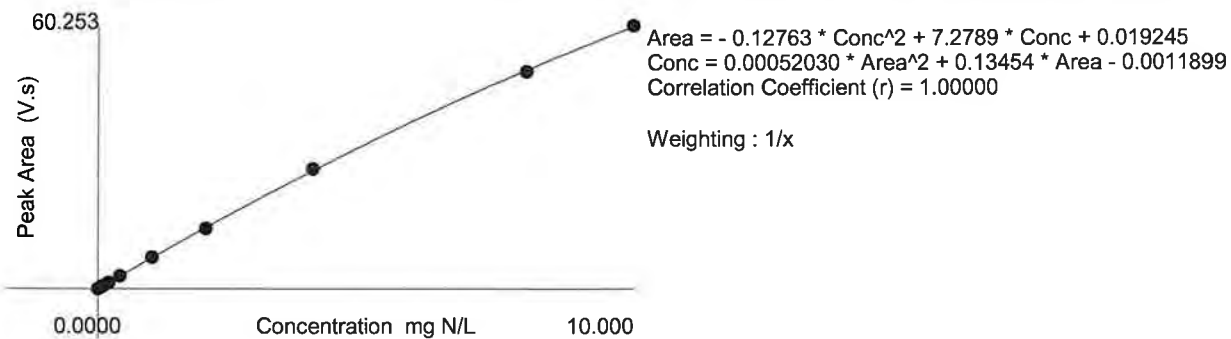


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	60.253	5.4000	0.0	-0.3	9.9939	9/22/2025	4:33:54 PM
2	8.0000	1	49.689	4.5771	0.0	0.8	7.9683	9/22/2025	4:34:50 PM
3	4.0000	1	27.455	2.5995	0.0	-1.3	4.0847	9/22/2025	4:35:46 PM
4	2.0000	1	13.854	1.3247	0.0	1.5	1.9625	9/22/2025	4:36:42 PM
5	1.0000	1	7.1881	0.67677	0.0	-0.2	0.99274	9/22/2025	4:37:38 PM
6	0.40000	1	2.9667	0.26919	0.0	-1.9	0.40251	9/22/2025	4:38:35 PM
7	0.20000	1	1.4524	0.13314	0.0	1.2	0.19530	9/22/2025	4:39:32 PM
8	0.10000	1	0.72929	0.064762	0.0	2.2	0.097202	9/22/2025	4:40:30 PM
9	0.050000	1	0.37760	0.032676	0.0	1.4	0.049684	9/22/2025	4:41:25 PM
10	0.0000	1	0.031468	0.0027980			0.0030441	9/22/2025	4:42:21 PM

Figure : 1 (LOW NH3)



Original Run Filename: OM_9-22-2025_11-39-41PM.OMN Created: 9/22/2025 11:39:41 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-22-2025_11-39-41PM.OMN Last Modified: 9/23/2025 12:17:51 AM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

F

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			LOW NH3 (mg N/L)			
CCV L 0.4000	1	S6	0.36910	92%		
		Known Conc:	0.40000			
		Calibration:	Table/Fig. : 1			
CCV H 4.0000	1	S3	3.9213	98%		
		Known Conc:	4.0000			
CCB	1	S10	0.030533			
		Known Conc:	0.0000			
WG2118030-1; BLK 9/22	1	1	0.018426		1.50	99%
WG2118030-2; HI LCS; 5X	1	2	19.754		7.50	
LO LCS	1	3	1.8375		1.50	92%
L2558687-01	1	4	2.4695		1.50	
L2558687-04	1	5	0.22962		1.50	99%
WG2118030-4; 58687.4 MS	1	6	4.1741		1.50	26% (K+L)
WG2118030-3; 58687.4 DUP	1	7	0.29629		1.50	
L2559181-02	1	8	0.20115		1.50	
L2559181-05	1	9	0.038165		1.50	
L2559181-08	1	10	0.11757		1.50	
CCV L 0.4000	1	S6	0.38590	97%		
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	3.9253	98%		
		Known Conc:	4.0000			
CCB	1	S10	0.034097			
		Known Conc:	0.0000			
L2558919-10	1	11	0.021691		1.50	
L2558919-11	1	12	0.017722		1.50	
L2558919-01	1	13	0.031614		1.50	
L2558919-02	1	14	0.35446		1.50	
L2558919-03	1	15	0.045520		1.50	
L2558919-04	1	16	0.089235		3.00	
L2558919-05	1	17	0.014845		1.50	
L2558919-06	1	18	0.063527		3.00	
L2558919-07	1	19	0.028732		1.50	
L2558028-22	1	20	0.047387		1.50	
CCV L 0.4000	1	S6	0.37676	94%		
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	3.8618	97%		
		Known Conc:	4.0000			
CCB	1	S10	0.034486			
		Known Conc:	0.0000			
L2558919-08	1	21	0.051243		1.50	
L2558919-09	1	22	0.11317		3.00	
L2559181-11	1	23	0.022384		1.50	
L2559181-14	1	24	0.027747		1.50	
FILTER BLK	1	25	0.0082946		1.50	
CCV L 0.4000	1	S6	0.36646	92%		
		Known Conc:	0.40000			
CCV H 4.0000	1	S3	3.8835	97%		
		Known Conc:	4.0000			
CCB	1	S10	0.029255			
		Known Conc:	0.0000			

Channel 1 (Ammonia Low) - Current View

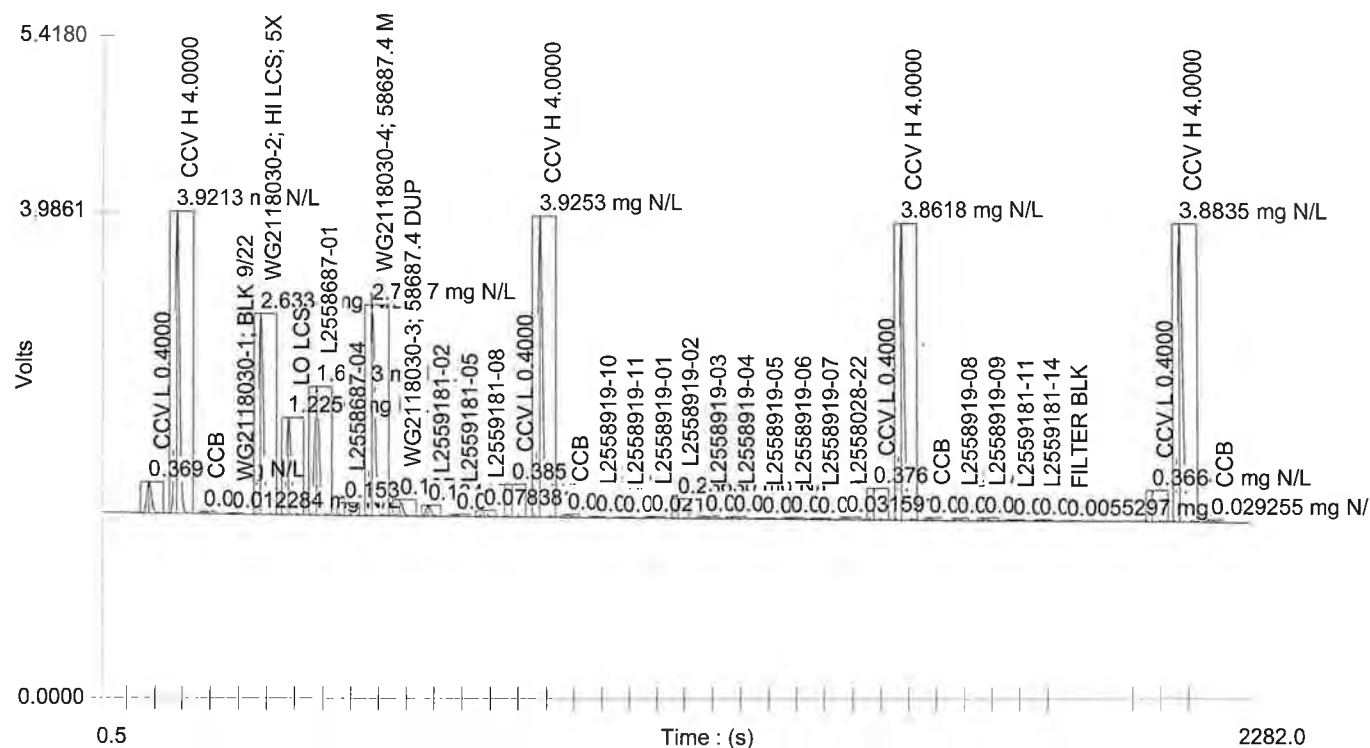
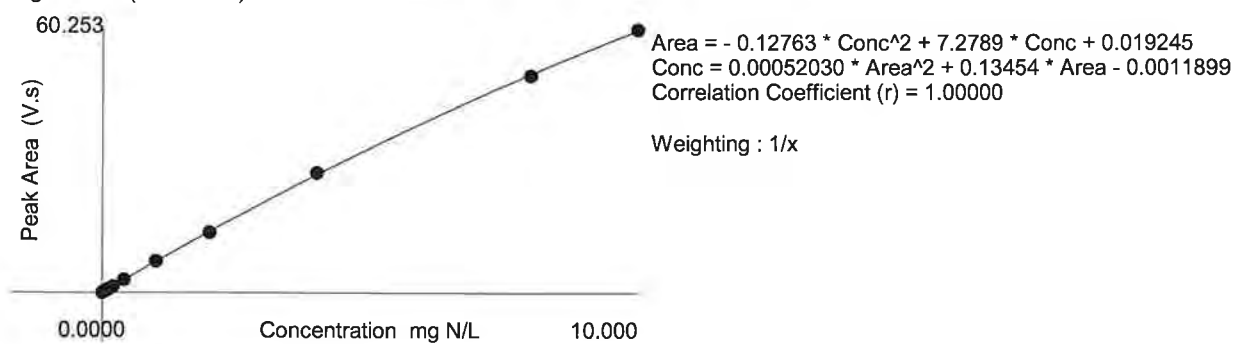


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	60.253	5.4000	0.0	-0.3	9.9939	9/22/2025	4:33:54 PM
2	8.0000	1	49.689	4.5771	0.0	0.8	7.9683	9/22/2025	4:34:50 PM
3	4.0000	1	27.455	2.5995	0.0	-1.3	4.0847	9/22/2025	4:35:46 PM
4	2.0000	1	13.854	1.3247	0.0	1.5	1.9625	9/22/2025	4:36:42 PM
5	1.0000	1	7.1881	0.67677	0.0	-0.2	0.99274	9/22/2025	4:37:38 PM
6	0.40000	1	2.9667	0.26919	0.0	-1.9	0.40251	9/22/2025	4:38:35 PM
7	0.20000	1	1.4524	0.13314	0.0	1.2	0.19530	9/22/2025	4:39:32 PM
8	0.10000	1	0.72929	0.064762	0.0	2.2	0.097202	9/22/2025	4:40:30 PM
9	0.050000	1	0.37760	0.032676	0.0	1.4	0.049684	9/22/2025	4:41:25 PM
10	0.0000	1	0.031468	0.0027980			0.0030441	9/22/2025	4:42:21 PM

Figure : 1 (LOW NH3)



Quality Control

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 8A
 Lab Sample ID : L2556676-09
 Matrix Spike : WG2117541-4
 Matrix Spike Dup :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/22/25 18:37
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Nitrogen, Total Kjeldahl	0.175J	8	8.12	102					77-111	24



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 8A	Matrix	: WATER
Lab Sample ID	: L2556676-09	Analysis Date	: 09/22/25 18:36
Dup Sample ID	: WG2117541-3	DUP Analysis Date	: 09/22/25 18:38

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Total Kjeldahl	0.175J	0.422	NC	24



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2117541-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/22/25 18:22
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Total Kjeldahl	40.0	39.1	98.					78-122	24



WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Nitrogen in TKN

Aqueous samples:

Compute sample TKN –N concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

If the sample has a concentration of less than 2ppm, calculate results by using the low curve generated on Channel 1.

If the sample concentration is greater than 2ppm, calculate the results by using the high curve generated on Channel 2.

To Compute the final results for aqueous samples, multiply the direct reading by the dilution factor based on the initial preparation volume. (also done using software)

$$\text{TKN-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

Wtgy 9/22/25 Gu

Project No. _____

Book No. _____

TITLE _____

From Page No. _____

tz. A (04-33-038m)
 9/22/25 @ 1300

- 1 Hi TW 8.0
- 2 Lo TW 1.0
- 3 ICB
- 4 Wb 2117930-1; Bu 9/22
- 5 Wb 2117930-2; Hi W 5+T
- 6 W W
- 7 59394.4 - 50+
- 8 - 5 - 50+
- 9 59397.1
- 10 58030.10
- X 11 filter Bu
- 12 59400.2
- 13 Wb 2117930-4; 59400.2ms
- 14 Wb 2117930-3; 59400.2ms
- 15 59400.3 - 50+
- 16 - 4 - 50+
- 17 - 5 - 50+
- 18 58030.14
- 19 58039.10
- 20 . 25
- 21 58394.2
- 22 . 5
- 23 . 8
- 24 58045.2
- 25 . 26
- 26 58049.2
- 27 . 8
- 28 58051.6

tz. B (09-32-468m)
 9/22/25 @ 1250

- 1 Wb 2117923-1; Bu 9/22
- 2 Wb 2117923-2; Hi W 5+
- 3 W W
- 4 57929.2 - 50+
- 5 . 3 - 50+
- 6 58171.1 - 5+
- 7 57745.1
- 8 57807.1
- 9 . 2
- 10 . 3
- 11 57646.2
- 12 57647.1
- 13 . 2
- 14 56673.1
- 15 . 2
- 16 Wb 2117923-4; 56673.2ms
- 17 Wb 2117923-3; 56673.2ms
- 18 56673.3
- 19 Wb 2117923-6; 56673.3ms
- 20 Wb 2117923-5; 56673.3ms
- 21 56673.4
- 22 . 5

Date:

Sodium Phenolate: 9/22/25 R-4398
 Sodium Hypochlorate: 9/22/25 R-4398
 Sodium Nitroprusside: 9/22/25 R-4398
 Boric Acid Soln.: 9/22/25 R-4266

ICV 1.0:

9/15/25 W-3621

ICV 8.0:

9/12/25 W-3624

Cal. Std:

See Front Page for Instructions:

To Page N

Witnessed & Understood by me,

Date

Invented by:

Date

Recorded by:

Project No. _____

Book No. _____

TITLE _____

NA, 9/22/25 (An) Cent.

|||

Page No. _____

ty: ~~B~~ (05-25-43 pm)
 Pmp 9/21/25 @ 1300

- 1 W62117542-1 T. Blue 9/21
- 2 W62117542-2 T. H-13 5x
- 3 W62117542-3 T. H-13 5x
- 4 57236-1 T
- 5 W62117542-4 T. 57236-1 ms
- 6 W62117542-3 T. 57236-1 ms
- 7 57145-1 T
- 8 57383-1 T (5x)
- 9 .2 T
- 10 57161-1 T (20+)
- x 11 57168-1 T -10x
- x 12 57386-1 T
- 13 57021-1 T
- 14 57023-1 T
- 15 57157-1 T
- 16 57163-1 T (5x)
- 17 57165-1 T (5x)
- 18 57159-1 T (10x)
- 19 57154-1 T (10x)
- 20 57152-1 T (25+)

ty: ~~B~~ C (06-17-32 pm)
 Pmp 9/21/25 @ 1230

- 1 W62117541-1 T. Blue 9/21
- 2 W62117541-2 T. H-13 5x
- 3 W62117541-3 T. H-13 5x
- 4 56102-2 T
- 5 57020-1 T
- 6 56974-2 T
- 7 56973-2 T (2x)
- 8 56676-2 T
- 9 .3 T
- 10 .4 T
- 11 .5 T
- 12 .6 T
- 13 .7 T
- 14 .8 T
- 15 .9 T
- 16 W62117541-4 T. 56676-9 ms
- 17 W62117541-3 T. 56676-9 ms
- 18 56676-10 T
- 19 .11 T
- 20 .12 T

To Page No. _____

Inspected & Understood by me, _____

Date _____

Invented by: _____

Date _____

Recorded by: _____

TITLE _____

Book No. _____

From Page No. _____

(10-59.228m)
 ty-E (10-18-577m) P
 Pyp 9/22/25 @ 2019

1 Wb 2118014-1; Bw 9/22
 2 Wb 2118014-2; Hs us 57
 3 Wb us
 4 57776.13
 5 Wb 2118014-4; 57776.13 ms
 6 Wb 2118014-3; 57776.13 yg
 7 57776.14
 8 .15
 9 57777.4
 10 .5
 11 .6
 12 .7
 13 .10
 14 .12
 15 .14
 16 58152.1
 17 .2
 18 .3 -10 +
 19 .4 -10 +
 20 .5
 21 .6
 22 .7
 23 .8
 24 .9
 25 .10

ty-F (11-39.418m)
 Pyp 9/22/25 @ 2059

1 Wb 2118030-1; Bw 9/22
 2 Wb 2118030-2; Hs us 57
 3 Wb us
 4 58687.1
 5 .4
 6 Wb 2118030-4; 58687.4 ms
 7 Wb 2118030-3; 58687.4 yg
 8 59181.2
 9 .5
 10 .8
 11 58919.10 -
 12 .11 -
 13 .1
 14 .2
 15 .3
 16 .4 (2+)
 17 .5
 18 .6 (2+)
 19 .7
 20 58028.22
 21 58919.8
 22 .9 (2+)
 23 59181.11
 24 .14
 25 filter bar

To Page N

Witnessed & Understood by me,

Date

Invented by:

Date

Recorded by:

Sample Preparation

From Page No. _____

Samples

Blank

LCS low

LCS high

L2556102 - 02

6676 - 02

- 03

- 04

- 05

- 06

- 07

- 08

- 09 PA

- 09 dup

- 09 MS

- 10

- 11

- 12

6973 - 02

74 - 02

7020 - 01

volume

50 mL

dilution

1X

final volume

150 mL

2X N=8.792

1X

Same standards/reagents used
as page #77

9/21/25 @ 12:30
mfm

Witnessed & Understood by me,

Date

Invented by:

Date

To Page

Recorded by:

Nitrate and Nitrite Analysis

Results

Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-02
Client ID : 3A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250916-B1
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:40
Date Received : 09/09/25
Date Analyzed : 09/16/25 06:32
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	0.22	0.10	0.046	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-03
 Client ID : 3B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250916-B1
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:50
 Date Received : 09/09/25
 Date Analyzed : 09/16/25 06:33
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : FIA1
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-04
Client ID : DUP001
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250916-B1
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:45
Date Received : 09/09/25
Date Analyzed : 09/16/25 06:34
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	0.20	0.10	0.046	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-05
 Client ID : 4A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250916-B1
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 09:55
 Date Received : 09/09/25
 Date Analyzed : 09/16/25 06:35
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : FIA1
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	0.73	0.10	0.046	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-06
Client ID : 4B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250916-B1
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 10:55
Date Received : 09/09/25
Date Analyzed : 09/16/25 06:37
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	0.13	0.10	0.046	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-07
 Client ID : 2A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250916-B1
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:45
 Date Received : 09/09/25
 Date Analyzed : 09/16/25 06:38
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : FIA1
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	0.11	0.10	0.046	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-08
 Client ID : 2B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250916-B1
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:55
 Date Received : 09/09/25
 Date Analyzed : 09/16/25 06:39
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : FIA1
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	0.22	0.10	0.046	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-09
Client ID : 8A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250916-B1
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 12:45
Date Received : 09/09/25
Date Analyzed : 09/16/25 06:43
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	2.4	0.10	0.046	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-10
 Client ID : 8B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250916-B1
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 13:05
 Date Received : 09/09/25
 Date Analyzed : 09/16/25 06:46
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : FIA1
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	0.67	0.10	0.046	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-11
Client ID : 9A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250916-B1
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 14:10
Date Received : 09/09/25
Date Analyzed : 09/16/25 06:47
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	5.2	0.10	0.046	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-12
 Client ID : 9B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250916-B1
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:30
 Date Received : 09/09/25
 Date Analyzed : 09/16/25 06:49
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : FIA1
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115177-1
 Client ID : WG2115177-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250916-A1
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/16/25 04:16
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : FIA1
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115177-3
Client ID : 8ADUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250916-B1
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 12:45
Date Received : 09/09/25
Date Analyzed : 09/16/25 06:44
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	2.4	0.10	0.05	



Sample Raw Data

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-16 05:32:22

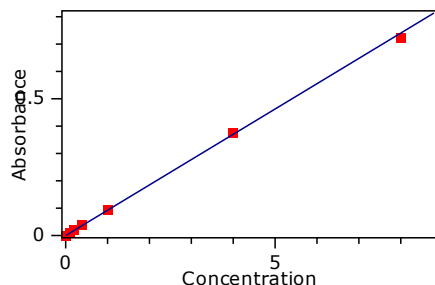
Data file (.dat): C:\FIALab\Autosave Data\2025-09-16-053159.dat

Dataset Notes:

Analyst	
---------	--

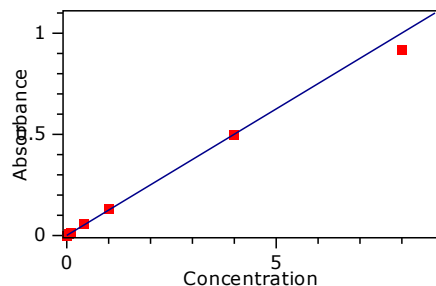
Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00010
 B: 0.09254
 R^2 : 0.99974
 RSE(%): 1.62080
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
2	NOx 8.0ppm	0.72130	8.00000	7.79630	2.55	2025-09-16T03:35:41
3	NOx 4.0ppm	0.37300	4.00000	4.03230	0.81	2025-09-16T03:36:51
4	NOx 1.0ppm	0.09290	1.00000	1.00510	0.51	2025-09-16T03:37:57
5	NOx 0.4ppm	0.03740	0.40000	0.40550	1.38	2025-09-16T03:39:04
6	NOx 0.2ppm	0.01860	0.20000	0.20160	0.80	2025-09-16T03:40:13
7	NOx 0.1ppm	0.00910	0.10000	0.09930	0.75	2025-09-16T03:41:23
8	NOx 0.0ppm	0.00000	0.00000	0.00140	NA	2025-09-16T03:42:34



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00068
 B: 0.12504
 R^2 : 0.99854
 RSE(%): 7.26430
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
9	Nitrite 8.0ppm	0.91660	8.00000	7.32500	8.44	2025-09-16T03:43:31
10	Nitrite 4.0ppm	0.49570	4.00000	3.95900	1.02	2025-09-16T03:44:41
11	Nitrite 1.0ppm	0.12890	1.00000	1.02590	2.59	2025-09-16T03:45:47
12	Nitrite 0.4ppm	0.05480	0.40000	0.43260	8.16	2025-09-16T03:46:56
13	Nitrite 0.1ppm	0.01410	0.10000	0.10700	6.96	2025-09-16T03:48:06
14	Nitrite 0.05ppm	0.00670	0.05000	0.04790	4.15	2025-09-16T03:49:16
15	Nitrite 0.0ppm	0.00010	0.00000	-0.00460	NA	2025-09-16T03:50:27

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	0.0019		2025-09-16T03:34:27
NOx 8.0ppm	2	Standard	8	0.7213	1	1	1	7.7963		2025-09-16T03:35:41
NOx 4.0ppm	3	Standard	4	0.3730	1	1	1	4.0323		2025-09-16T03:36:51
NOx 1.0ppm	4	Standard	1	0.0929	1	1	1	1.0051		2025-09-16T03:37:57
NOx 0.4ppm	5	Standard	0.4	0.0374	1	1	1	0.4055		2025-09-16T03:39:04
NOx 0.2ppm	6	Standard	0.2	0.0186	1	1	1	0.2016		2025-09-16T03:40:13
NOx 0.1ppm	7	Standard	0.1	0.0091	1	1	1	0.0993		2025-09-16T03:41:23
NOx 0.0ppm	8	Standard	0	0.0000	1	1	1	0.0014		2025-09-16T03:42:34
Nitrite 8.0ppm	9	Standard	?	0.7606	1	1	1	8.2201	OVR	2025-09-16T03:43:43
Nitrite 4.0ppm	10	Standard	?	0.4026	1	1	1	4.3516		2025-09-16T03:44:53
Nitrite 1.0ppm	11	Standard	?	0.1025	1	1	1	1.1084		2025-09-16T03:46:01
Nitrite 0.4ppm	12	Standard	?	0.0422	1	1	1	0.4568		2025-09-16T03:47:09
Nitrite 0.1ppm	13	Standard	?	0.0109	1	1	1	0.1194		2025-09-16T03:48:19
Nitrite 0.05ppm	14	Standard	?	0.0054	1	1	1	0.0592		2025-09-16T03:49:28
Nitrite 0.0ppm	15	Standard	?	0.0002	1	1	1	0.0029		2025-09-16T03:50:45
CCV NO3	16	QC	1	0.0941	1	1	1	1.0180		2025-09-16T03:51:44
CCV NO2	17	QC	?	0.1013	1	1	1	1.0960		2025-09-16T03:52:50
CCB	18	QC	0	0.0019	1	1	1	0.0219		2025-09-16T03:54:07
ICV NO3 5.0	19	QC	5	0.4598	1	1	1	4.9695		2025-09-16T03:55:08
ICV NO2 5.0	20	QC	?	0.4866	1	1	1	5.2591		2025-09-16T03:56:17
ICV NO3 0.5	21	QC	0.5	0.0469	1	1	1	0.5082		2025-09-16T03:57:26
ICV NO2 0.5	22	QC	?	0.0500	1	1	1	0.5415		2025-09-16T03:58:35
ICB	23	QC	0	0.0010	1	1	1	0.0121		2025-09-16T03:59:50
Diluter CHK 8PPM	24	Unknown	?	0.1460	1	5	1	7.8931		2025-09-16T04:00:51
BLANK NO3	25	Unknown	?	0.0000	1	1	1	0.0009		2025-09-16T04:01:32
LCS NO3	26	Unknown	?	0.4566	1	1	1	4.9352		2025-09-16T04:03:06
BLANK NO2	27	Unknown	?	-0.0001	1	1	1	-0.0001		2025-09-16T04:03:44
LCS NO2	28	Unknown	?	0.4882	1	1	1	5.2764		2025-09-16T04:05:18
CCV NO3	29	QC	1	0.0925	1	1	1	1.0006		2025-09-16T04:06:24
CCV NO2	30	QC	?	0.1008	1	1	1	1.0908		2025-09-16T04:07:29
CCB	31	QC	0	0.0020	1	1	1	0.0223		2025-09-16T04:08:46
WG2115173-1	32	Unknown	?	0.0002	1	1	1	0.0030		2025-09-16T04:09:51

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2115173-2	33	Unknown	?	0.4908	1	1	1	5.3046		2025-09-16T04:10:50
WG2115174-1	34	Unknown	?	0.0008	1	1	1	0.0102		2025-09-16T04:12:03
WG2115174-2	35	Unknown	?	0.4590	1	1	1	4.9617		2025-09-16T04:13:00
WG2115176-1	36	Unknown	?	-0.0002	1	1	1	-0.0007		2025-09-16T04:13:37
WG2115176-2	37	Unknown	?	0.4605	1	1	1	4.9777		2025-09-16T04:15:11
WG2115177-1	38	Unknown	?	-0.0001	1	1	1	0.0001		2025-09-16T04:15:50
WG2115177-2	39	Unknown	?	0.4579	1	1	1	4.9490		2025-09-16T04:17:24
WG2115178-1	40	Unknown	?	-0.0001	1	1	1	-0.0004		2025-09-16T04:18:03
WG2115178-2	41	Unknown	?	0.4603	1	1	1	4.9748		2025-09-16T04:19:37
CCV NO3	42	QC	1	0.0917	1	1	1	0.9922		2025-09-16T04:20:42
CCV NO2	43	QC	?	0.1015	1	1	1	1.0977		2025-09-16T04:21:48
CCB	44	QC	0	0.0017	1	1	1	0.0196		2025-09-16T04:23:04
L2557897-01B	45	Unknown	?	0.0002	1	1	1	0.0028		2025-09-16T04:24:11
WG2115173-3	46	Unknown	?	0.0001	1	1	1	0.0021		2025-09-16T04:25:16
WG2115173-4	47	Unknown	?	0.4355	1	1	1	4.7078		2025-09-16T04:26:16
L2557897-02B	48	Unknown	?	0.0030	1	1	1	0.0339		2025-09-16T04:27:28
L2557921-09A	49	Unknown	?	0.2245	1	1	1	2.4275		2025-09-16T04:28:26
WG2115174-3	50	Unknown	?	0.2234	1	1	1	2.4155		2025-09-16T04:29:31
WG2115174-4	51	Unknown	?	0.5825	1	1	1	6.2963		2025-09-16T04:30:35
L2557921-12A	52	Unknown	?	0.2213	1	1	1	2.3931		2025-09-16T04:31:40
L2557921-13A	53	Unknown	?	0.0134	1	1	1	0.1465		2025-09-16T04:32:43
L2557921-14A	54	Unknown	?	0.0251	1	1	1	0.2725		2025-09-16T04:33:47
CCV NO3	55	QC	1	0.0941	1	1	1	1.0179		2025-09-16T04:34:51
CCV NO2	56	QC	?	0.1016	1	1	1	1.0989		2025-09-16T04:35:57
CCB	57	QC	0	0.0006	1	1	1	0.0075		2025-09-16T04:37:11
L2557921-15A	58	Unknown	?	0.0253	1	1	1	0.2744		2025-09-16T04:38:17
L2557921-16A	59	Unknown	?	0.0580	1	1	1	0.6282		2025-09-16T04:39:25
L2557921-18A	60	Unknown	?	0.0018	1	1	1	0.0210		2025-09-16T04:40:32
L2557921-19A	61	Unknown	?	0.0024	1	1	1	0.0274		2025-09-16T04:41:38
L2557921-21A	62	Unknown	?	0.2388	1	1	1	2.5818		2025-09-16T04:42:45
L2558072-04I	63	Unknown	?	0.0126	1	1	1	0.1373		2025-09-16T04:43:51
L2558072-05E	64	Unknown	?	0.7430	1	1	1	8.0300	OVR	2025-09-16T04:44:56
L2558072-06I	65	Unknown	?	0.0945	1	1	1	1.0227		2025-09-16T04:46:02

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2558072-071	66	Unknown	?	0.0151	1	1	1	0.1639		2025-09-16T04:47:07
L2557172-01P	67	Unknown	?	0.0143	1	1	1	0.1557		2025-09-16T04:48:12
CCV NO3	68	QC	1	0.0928	1	1	1	1.0037		2025-09-16T04:49:16
CCV NO2	69	QC	?	0.0981	1	1	1	1.0609		2025-09-16T04:50:22
CCB	70	QC	0	0.0000	1	1	1	0.0014		2025-09-16T04:51:33
WG2115176-5	71	Unknown	?	0.0145	1	1	1	0.1582		2025-09-16T04:52:39
WG2115176-6	72	Unknown	?	0.4025	1	1	1	4.3507		2025-09-16T04:53:45
L2557172-02P	73	Unknown	?	0.0519	1	1	1	0.5616		2025-09-16T04:54:51
L2556723-02A	74	Unknown	?	0.0432	1	1	1	0.4682		2025-09-16T04:55:55
L2556723-04A	75	Unknown	?	0.0565	1	1	1	0.6116		2025-09-16T04:56:58
L2556723-07A	76	Unknown	?	0.0866	1	1	1	0.9372		2025-09-16T04:58:04
L2556820-01A	77	Unknown	?	0.8698	1	1	1	9.4008	OVR	2025-09-16T04:59:10
L2556820-02A	78	Unknown	?	0.0000	1	1	1	0.0009		2025-09-16T05:00:17
L2557020-01B	79	Unknown	?	0.0102	1	1	1	0.1113		2025-09-16T05:01:24
L2557215-01O	80	Unknown	?	0.0696	1	1	1	0.7529		2025-09-16T05:02:29
CCV NO3	81	QC	1	0.0942	1	1	1	1.0190		2025-09-16T05:03:35
CCV NO2	82	QC	?	0.1030	1	1	1	1.1141		2025-09-16T05:04:40
CCB	83	QC	0	0.0022	1	1	1	0.0244		2025-09-16T05:05:59
L2557215-02O	84	Unknown	?	0.0348	1	1	1	0.3774		2025-09-16T05:07:00
L2557317-01H	85	Unknown	?	0.0660	1	1	1	0.7144		2025-09-16T05:08:08
L2558072-06I	86	Unknown	?	0.0970	1	1	1	1.0495		2025-09-16T05:09:13
L2556820-02A	87	Unknown	?	0.0026	1	1	1	0.0287		2025-09-16T05:10:18
CCV NO3	88	QC	1	0.0923	1	1	1	0.9984		2025-09-16T05:11:24
CCV NO2	89	QC	?	0.1023	1	1	1	1.1068		2025-09-16T05:12:30
CCB	90	QC	0	0.0009	1	1	1	0.0108		2025-09-16T05:13:47
spacer	91	Unknown	?	0.0000	1	1	1	0.0013		2025-09-16T05:20:21
spacer	92	Unknown	?	0.0003	1	1	1	0.0043		2025-09-16T05:21:49
L2558072-05E	93	Unknown	?	0.1543	1	5	1	8.3419		2025-09-16T05:22:54
L2556820-01A	94	Unknown	?	0.1871	1	5	1	10.1144		2025-09-16T05:24:03
CCV NO3	95	QC	1	0.0934	1	1	1	1.0108		2025-09-16T05:25:09
CCV NO2	96	QC	?	0.1035	1	1	1	1.1199		2025-09-16T05:26:15
CCB	97	QC	0	0.0010	1	1	1	0.0114		2025-09-16T05:27:32

Channel: 2-NO2

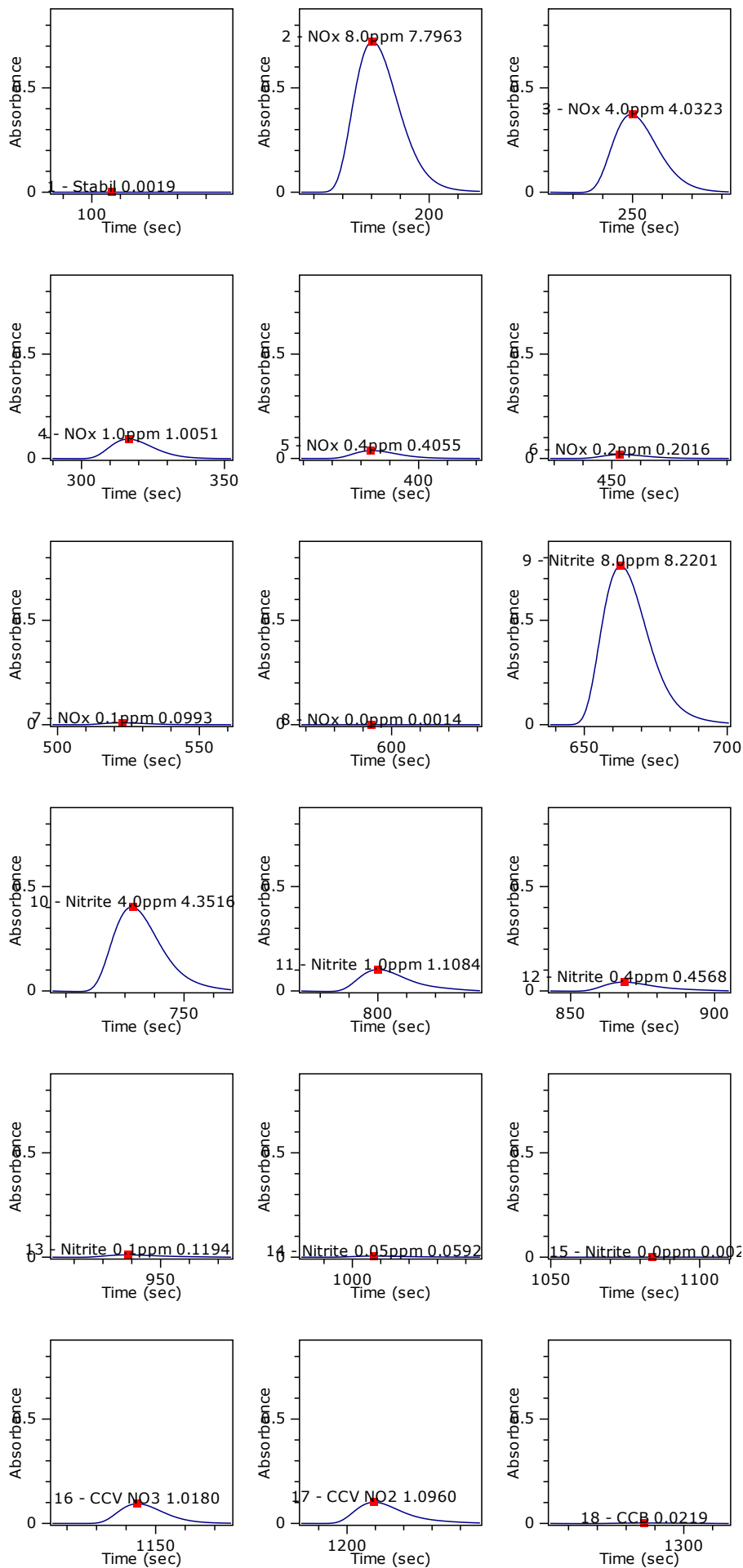
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0000	1	1	1	-0.0052		2025-09-16T03:34:50
NOx 8.0ppm	2	Standard	?	0.0000	1	1	1	-0.0050		2025-09-16T03:36:02
NOx 4.0ppm	3	Standard	?	0.0001	1	1	1	-0.0050		2025-09-16T03:37:10
NOx 1.0ppm	4	Standard	?	0.0000	1	1	1	-0.0051		2025-09-16T03:38:03
NOx 0.4ppm	5	Standard	?	0.0000	1	1	1	-0.0052		2025-09-16T03:39:12
NOx 0.2ppm	6	Standard	?	0.0001	1	1	1	-0.0048		2025-09-16T03:40:06
NOx 0.1ppm	7	Standard	?	0.0000	1	1	1	-0.0050		2025-09-16T03:42:01
NOx 0.0ppm	8	Standard	?	0.0001	1	1	1	-0.0050		2025-09-16T03:43:04
Nitrite 8.0ppm	9	Standard	8	0.9166	1	1	1	7.3250		2025-09-16T03:43:31
Nitrite 4.0ppm	10	Standard	4	0.4957	1	1	1	3.9590		2025-09-16T03:44:41
Nitrite 1.0ppm	11	Standard	1	0.1289	1	1	1	1.0259		2025-09-16T03:45:47
Nitrite 0.4ppm	12	Standard	0.4	0.0548	1	1	1	0.4326		2025-09-16T03:46:56
Nitrite 0.1ppm	13	Standard	0.1	0.0141	1	1	1	0.1070		2025-09-16T03:48:06
Nitrite 0.05ppm	14	Standard	0.05	0.0067	1	1	1	0.0479		2025-09-16T03:49:16
Nitrite 0.0ppm	15	Standard	0	0.0001	1	1	1	-0.0046		2025-09-16T03:50:27
CCV NO3	16	QC	?	0.0001	1	1	1	-0.0050		2025-09-16T03:51:32
CCV NO2	17	QC	1	0.1269	1	1	1	1.0092		2025-09-16T03:52:36
CCB	18	QC	0	0.0018	1	1	1	0.0086		2025-09-16T03:53:48
ICV NO3 5.0	19	QC	?	0.0002	1	1	1	-0.0041		2025-09-16T03:54:58
ICV NO2 5.0	20	QC	5	0.6085	1	1	1	4.8614		2025-09-16T03:56:05
ICV NO3 0.5	21	QC	?	0.0033	1	1	1	0.0207		2025-09-16T03:57:13
ICV NO2 0.5	22	QC	0.5	0.0640	1	1	1	0.5064		2025-09-16T03:58:21
ICB	23	QC	0	0.0008	1	1	1	0.0010		2025-09-16T03:59:30
Diluter CHK 8PPM	24	Unknown	?	0.0001	1	5	1	-0.0213		2025-09-16T04:00:39
BLANK NO3	25	Unknown	?	0.0000	1	1	1	-0.0051		2025-09-16T04:01:49
LCS NO3	26	Unknown	?	0.0001	1	1	1	-0.0049		2025-09-16T04:02:54
BLANK NO2	27	Unknown	?	0.0000	1	1	1	-0.0052		2025-09-16T04:04:07
LCS NO2	28	Unknown	?	0.6048	1	1	1	4.8313		2025-09-16T04:05:05
CCV NO3	29	QC	?	0.0032	1	1	1	0.0205		2025-09-16T04:06:10
CCV NO2	30	QC	1	0.1259	1	1	1	1.0012		2025-09-16T04:07:16
CCB	31	QC	0	0.0019	1	1	1	0.0098		2025-09-16T04:08:25
WG2115173-1	32	Unknown	?	0.0002	1	1	1	-0.0037		2025-09-16T04:09:31
WG2115173-2	33	Unknown	?	0.6016	1	1	1	4.8058		2025-09-16T04:10:36

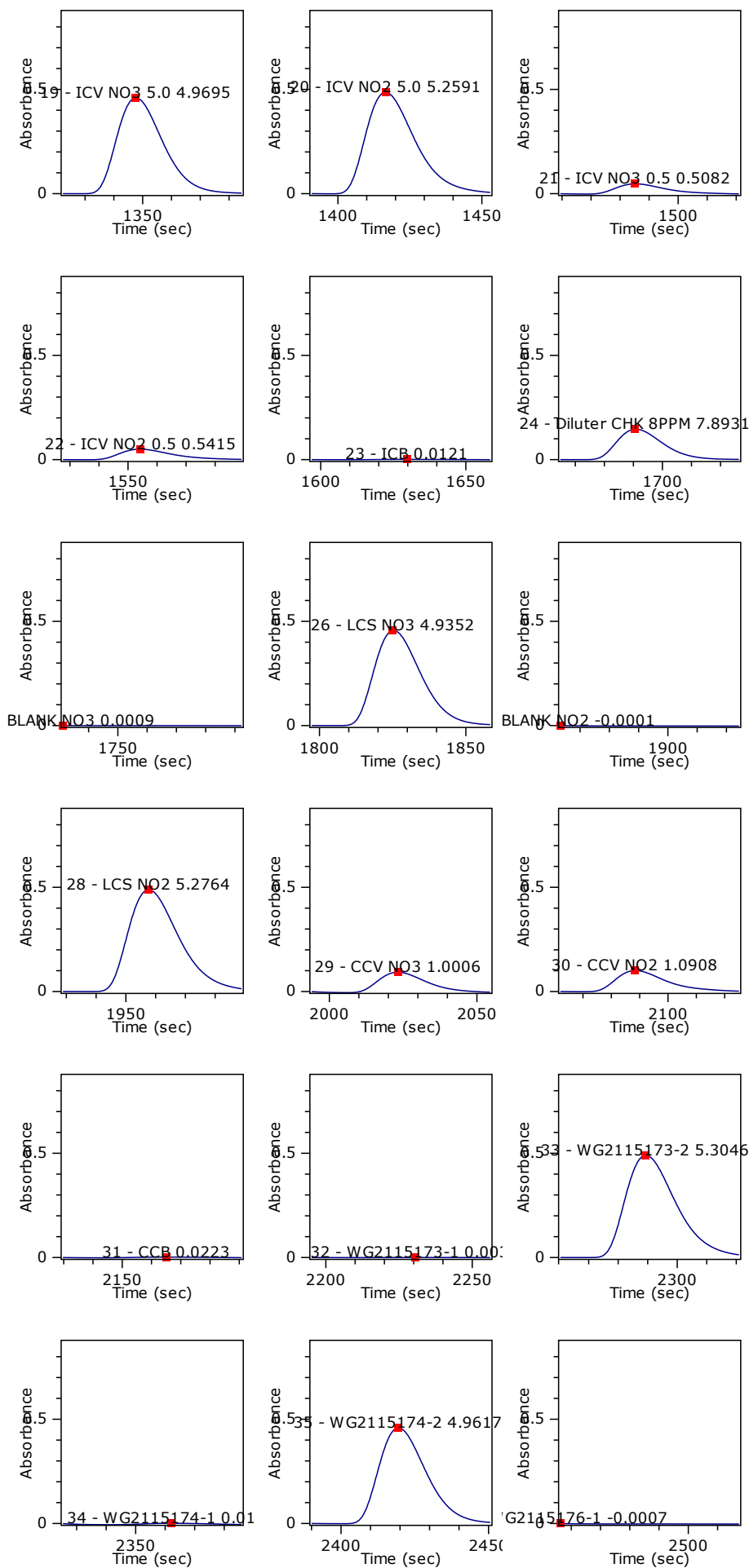
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2115174-1	34	Unknown	?	0.0039	1	1	1	0.0255		2025-09-16T04:11:41
WG2115174-2	35	Unknown	?	0.0019	1	1	1	0.0099		2025-09-16T04:12:48
WG2115176-1	36	Unknown	?	0.0001	1	1	1	-0.0049		2025-09-16T04:13:51
WG2115176-2	37	Unknown	?	0.0001	1	1	1	-0.0049		2025-09-16T04:14:55
WG2115177-1	38	Unknown	?	0.0001	1	1	1	-0.0050		2025-09-16T04:16:12
WG2115177-2	39	Unknown	?	0.0001	1	1	1	-0.0049		2025-09-16T04:17:14
WG2115178-1	40	Unknown	?	0.0000	1	1	1	-0.0052		2025-09-16T04:18:33
WG2115178-2	41	Unknown	?	0.0001	1	1	1	-0.0049		2025-09-16T04:19:25
CCV NO3	42	QC	?	0.0032	1	1	1	0.0202		2025-09-16T04:21:07
CCV NO2	43	QC	1	0.1188	1	1	1	0.9447		2025-09-16T04:21:34
CCB	44	QC	0	0.0017	1	1	1	0.0082		2025-09-16T04:22:45
L2557897-01B	45	Unknown	?	0.0002	1	1	1	-0.0039		2025-09-16T04:23:50
WG2115173-3	46	Unknown	?	0.0001	1	1	1	-0.0049		2025-09-16T04:24:56
WG2115173-4	47	Unknown	?	0.5004	1	1	1	3.9969		2025-09-16T04:26:02
L2557897-02B	48	Unknown	?	0.0044	1	1	1	0.0297		2025-09-16T04:27:08
L2557921-09A	49	Unknown	?	0.0051	1	1	1	0.0350		2025-09-16T04:28:12
WG2115174-3	50	Unknown	?	0.0048	1	1	1	0.0328		2025-09-16T04:29:16
WG2115174-4	51	Unknown	?	0.0048	1	1	1	0.0330		2025-09-16T04:30:21
L2557921-12A	52	Unknown	?	0.0049	1	1	1	0.0335		2025-09-16T04:31:25
L2557921-13A	53	Unknown	?	0.0005	1	1	1	-0.0013		2025-09-16T04:32:30
L2557921-14A	54	Unknown	?	0.0006	1	1	1	-0.0007		2025-09-16T04:33:33
CCV NO3	55	QC	?	0.0000	1	1	1	-0.0051		2025-09-16T04:34:44
CCV NO2	56	QC	1	0.1185	1	1	1	0.9423		2025-09-16T04:35:43
CCB	57	QC	0	0.0009	1	1	1	0.0018		2025-09-16T04:36:56
L2557921-15A	58	Unknown	?	0.0006	1	1	1	-0.0006		2025-09-16T04:38:04
L2557921-16A	59	Unknown	?	0.0006	1	1	1	-0.0007		2025-09-16T04:39:12
L2557921-18A	60	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-16T04:40:20
L2557921-19A	61	Unknown	?	0.0002	1	1	1	-0.0040		2025-09-16T04:41:24
L2557921-21A	62	Unknown	?	0.0020	1	1	1	0.0107		2025-09-16T04:42:32
L2558072-04I	63	Unknown	?	0.0007	1	1	1	0.0001		2025-09-16T04:43:37
L2558072-05E	64	Unknown	?	0.0063	1	1	1	0.0447		2025-09-16T04:44:43
L2558072-06I	65	Unknown	?	0.0028	1	1	1	0.0170		2025-09-16T04:45:45
L2558072-07I	66	Unknown	?	0.0010	1	1	1	0.0022		2025-09-16T04:46:53

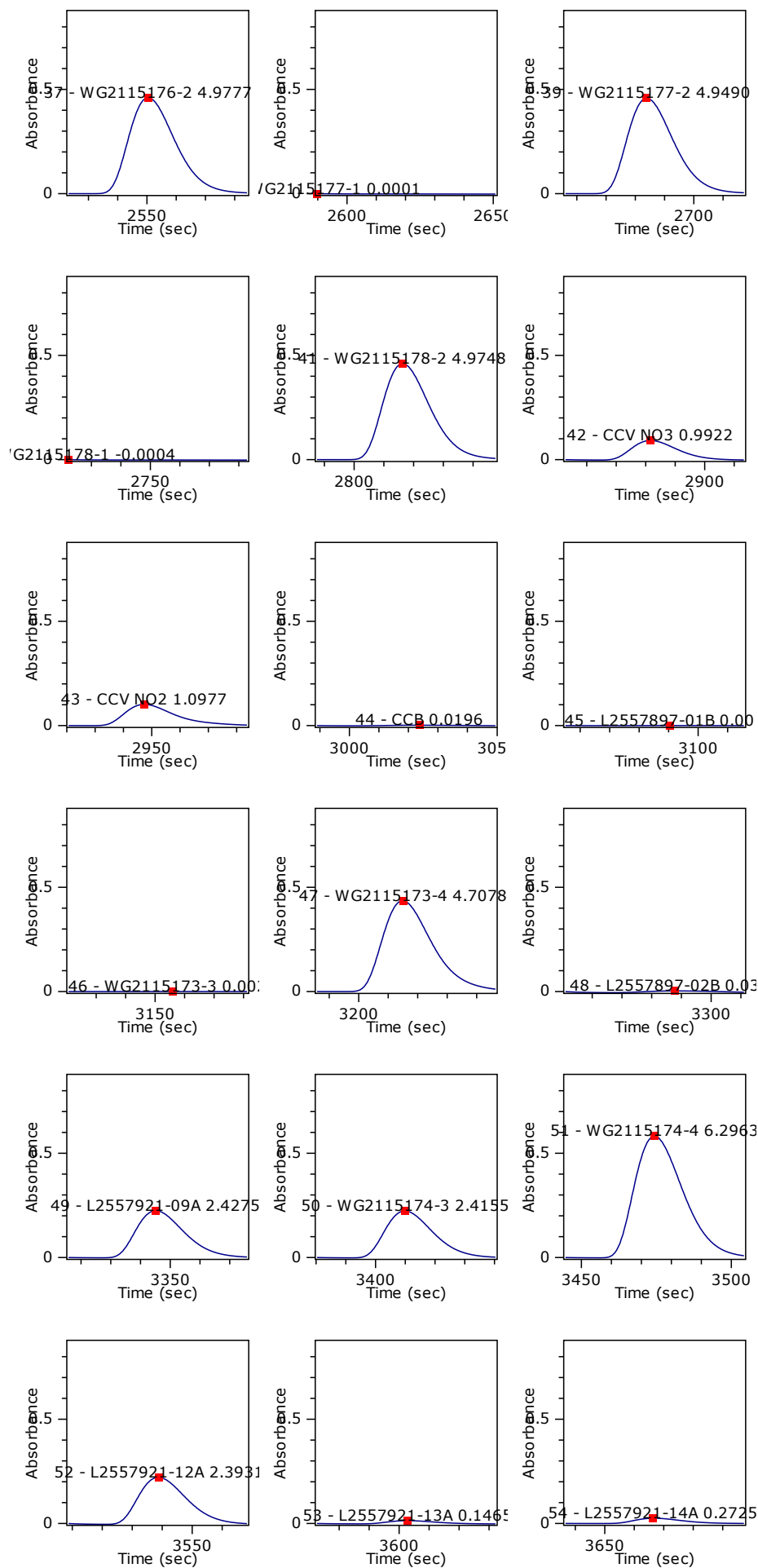
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2557172-01P	67	Unknown	?	0.0001	1	1	1	-0.0045		2025-09-16T04:47:58
CCV NO3	68	QC	?	0.0001	1	1	1	-0.0050		2025-09-16T04:49:21
CCV NO2	69	QC	1	0.1241	1	1	1	0.9875		2025-09-16T04:50:08
CCB	70	QC	0	0.0002	1	1	1	-0.0036		2025-09-16T04:51:18
WG2115176-5	71	Unknown	?	0.0001	1	1	1	-0.0045		2025-09-16T04:52:24
WG2115176-6	72	Unknown	?	0.0002	1	1	1	-0.0042		2025-09-16T04:53:31
L2557172-02P	73	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-16T04:54:35
L2556723-02A	74	Unknown	?	0.0032	1	1	1	0.0200		2025-09-16T04:55:38
L2556723-04A	75	Unknown	?	0.0040	1	1	1	0.0263		2025-09-16T04:56:43
L2556723-07A	76	Unknown	?	0.0050	1	1	1	0.0343		2025-09-16T04:57:49
L2556820-01A	77	Unknown	?	0.0452	1	1	1	0.3563		2025-09-16T04:58:57
L2556820-02A	78	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-16T05:00:04
L2557020-01B	79	Unknown	?	0.0005	1	1	1	-0.0013		2025-09-16T05:01:08
L2557215-01O	80	Unknown	?	0.0438	1	1	1	0.3447		2025-09-16T05:02:16
CCV NO3	81	QC	?	0.0020	1	1	1	0.0110		2025-09-16T05:03:21
CCV NO2	82	QC	1	0.1265	1	1	1	1.0060		2025-09-16T05:04:26
CCB	83	QC	0	0.0023	1	1	1	0.0131		2025-09-16T05:05:38
L2557215-02O	84	Unknown	?	0.0084	1	1	1	0.0619		2025-09-16T05:06:46
L2557317-01H	85	Unknown	?	0.0071	1	1	1	0.0514		2025-09-16T05:07:53
L2558072-06I	86	Unknown	?	0.0021	1	1	1	0.0111		2025-09-16T05:08:58
L2556820-02A	87	Unknown	?	0.0002	1	1	1	-0.0036		2025-09-16T05:10:07
CCV NO3	88	QC	?	0.0001	1	1	1	-0.0048		2025-09-16T05:11:50
CCV NO2	89	QC	1	0.1240	1	1	1	0.9865		2025-09-16T05:12:16
CCB	90	QC	0	0.0016	1	1	1	0.0075		2025-09-16T05:13:28
spacer	91	Unknown	?	0.0001	1	1	1	-0.0049		2025-09-16T05:21:14
spacer	92	Unknown	?	0.0003	1	1	1	-0.0032		2025-09-16T05:21:34
L2558072-05E	93	Unknown	?	0.0013	1	5	1	0.0269		2025-09-16T05:22:42
L2556820-01A	94	Unknown	?	0.0088	1	5	1	0.3251		2025-09-16T05:23:51
CCV NO3	95	QC	?	0.0000	1	1	1	-0.0052		2025-09-16T05:24:53
CCV NO2	96	QC	1	0.1222	1	1	1	0.9716		2025-09-16T05:26:01
CCB	97	QC	0	0.0019	1	1	1	0.0100		2025-09-16T05:27:13

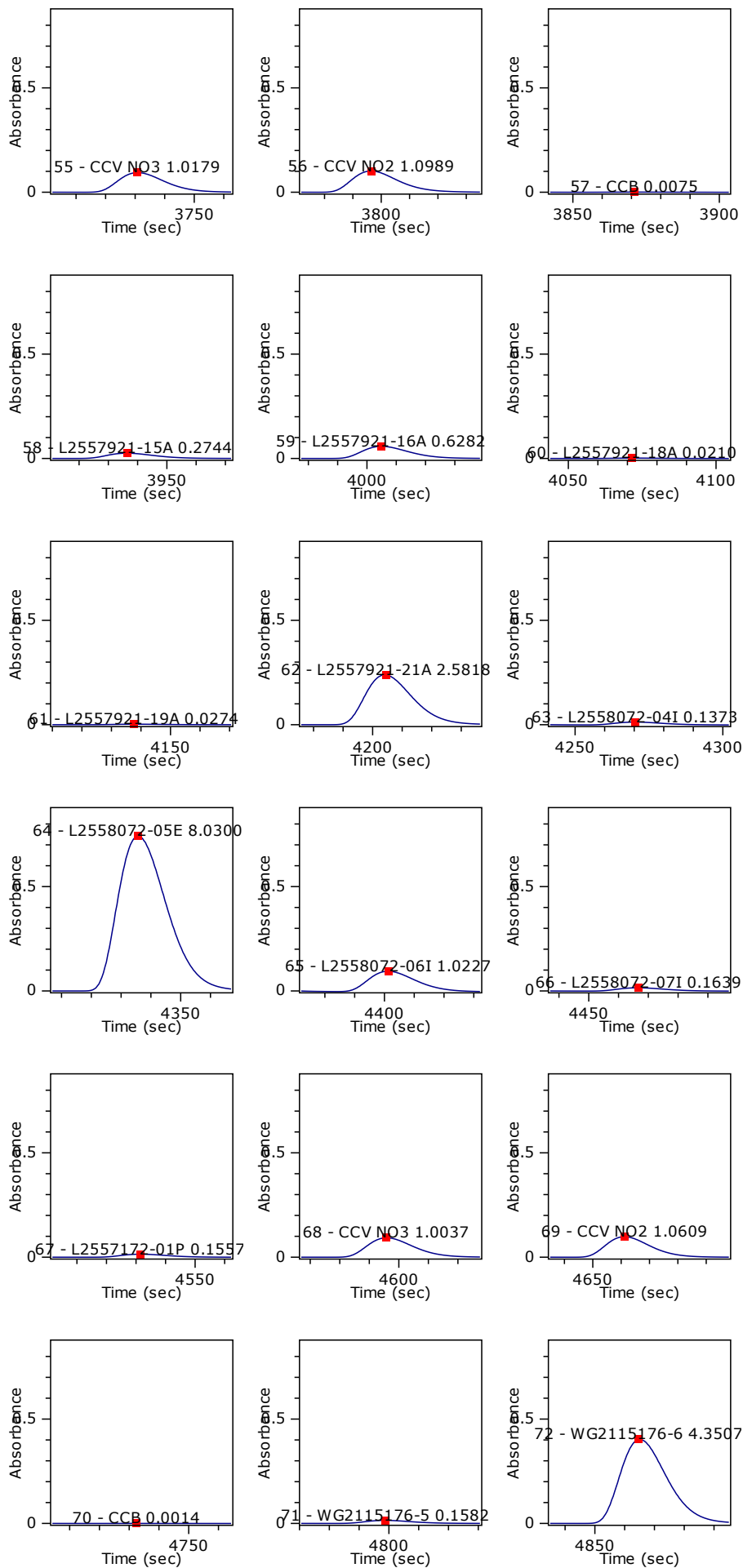
Peaks:

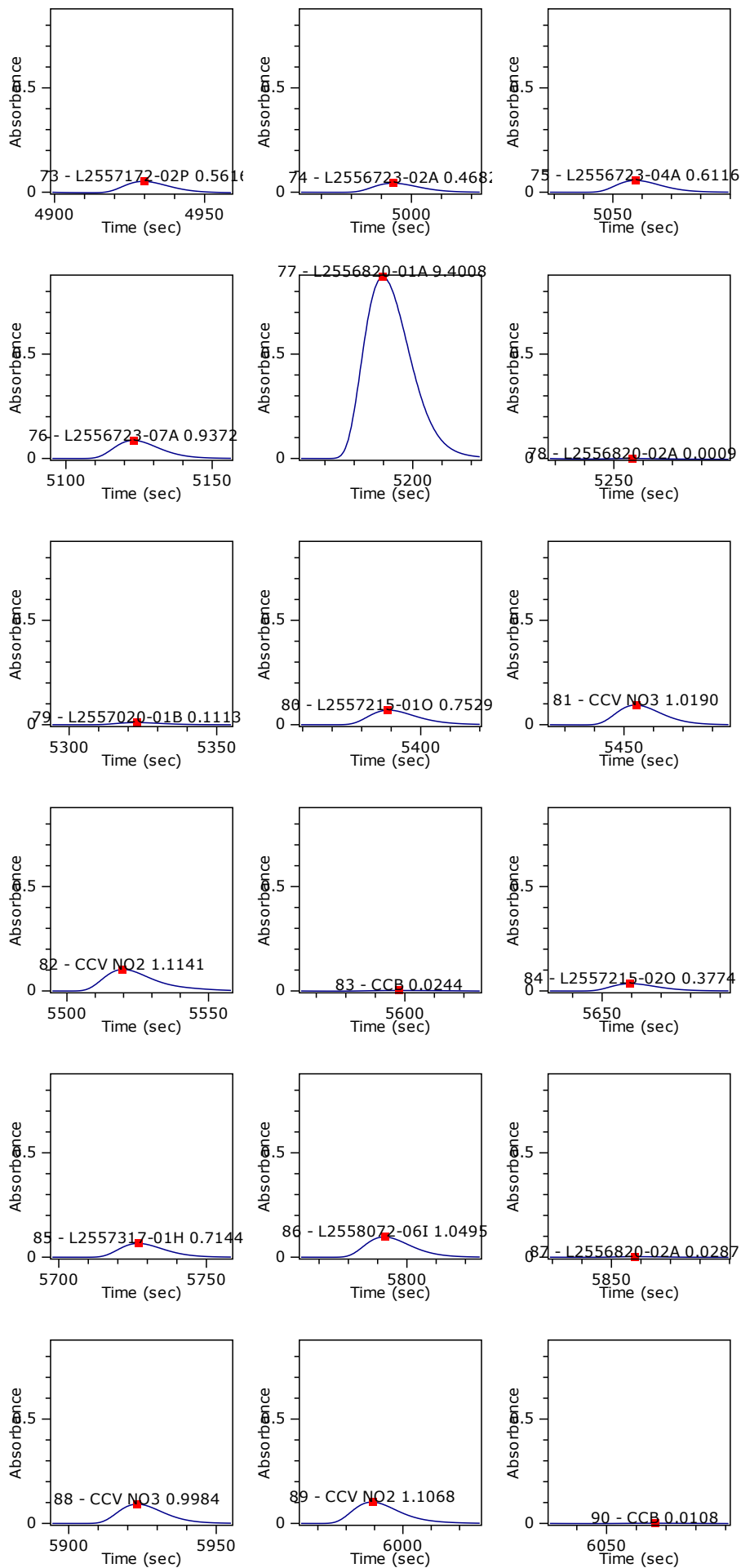
Channel: 1-NOx

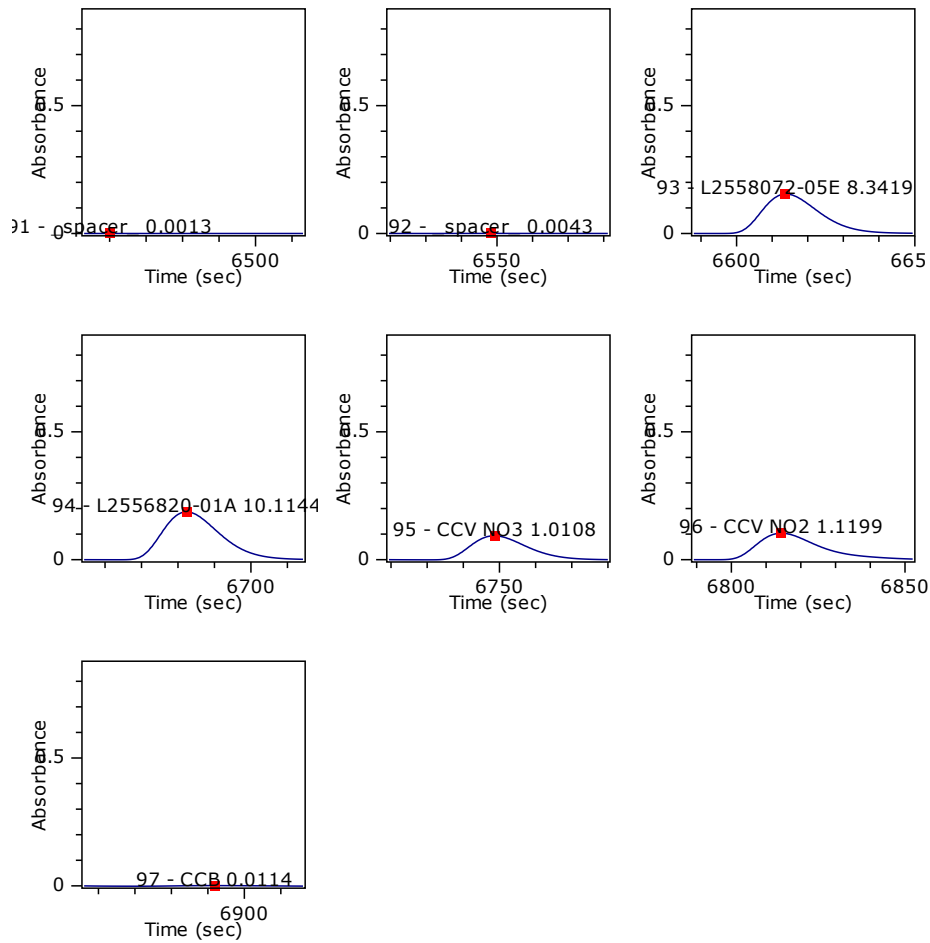




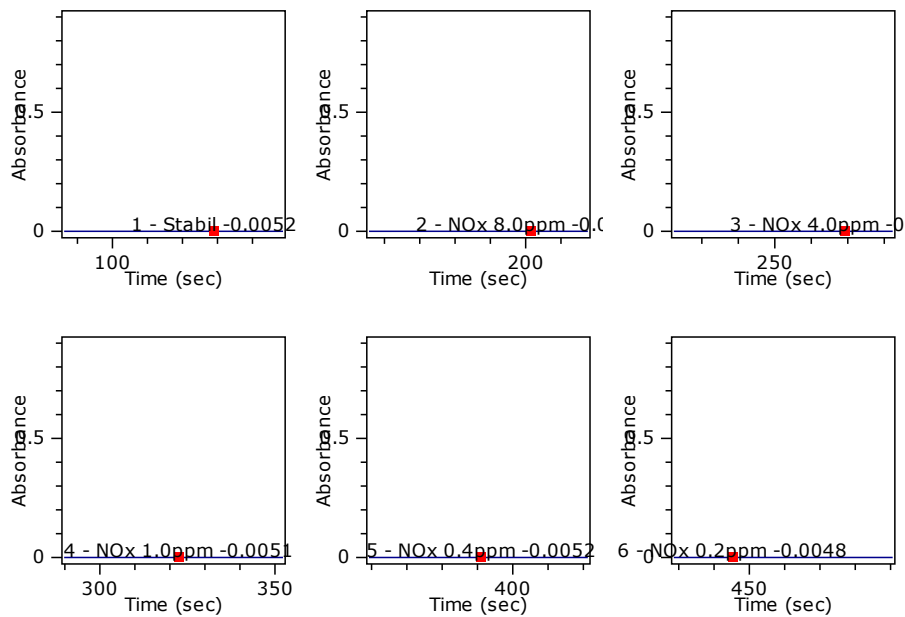


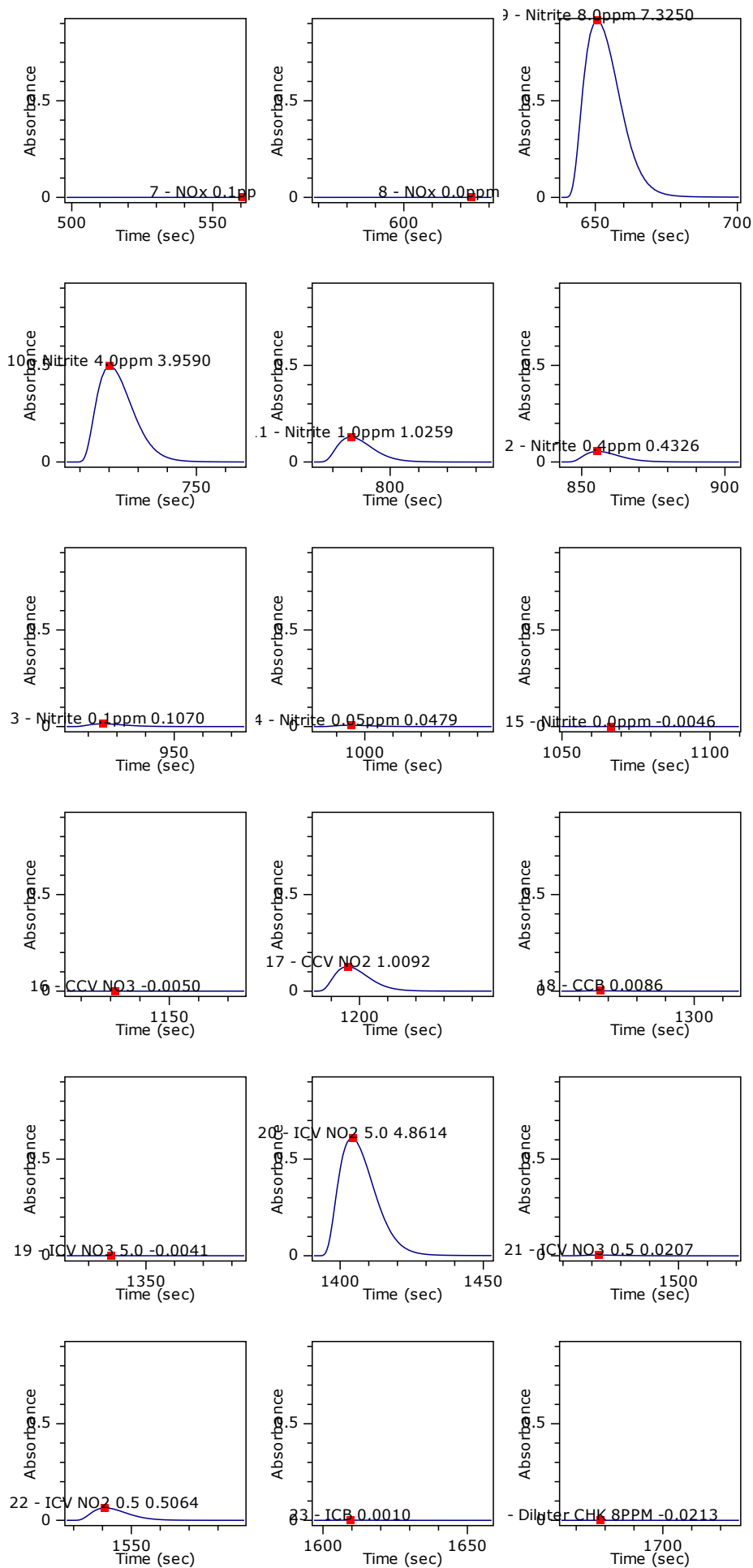


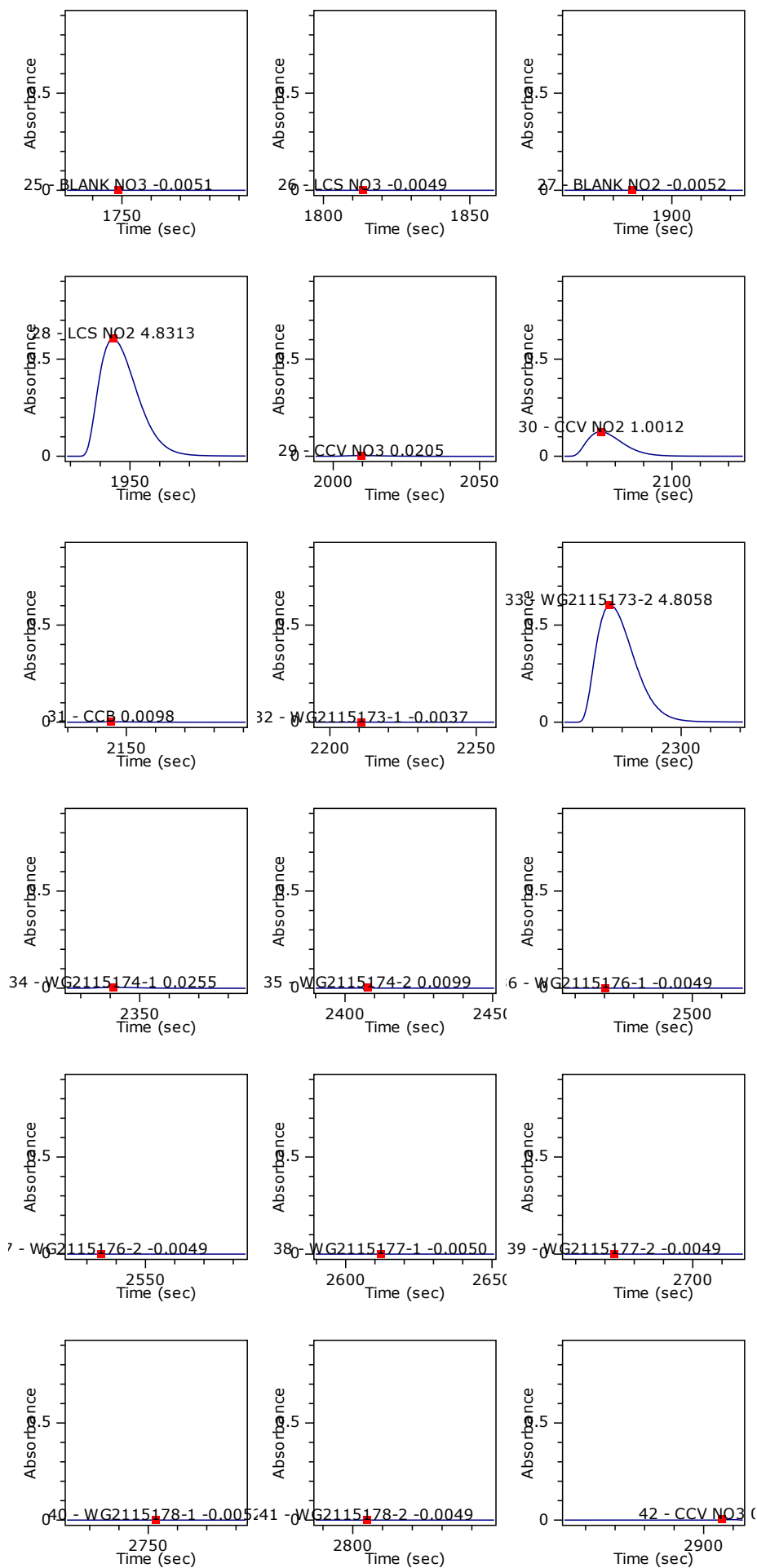


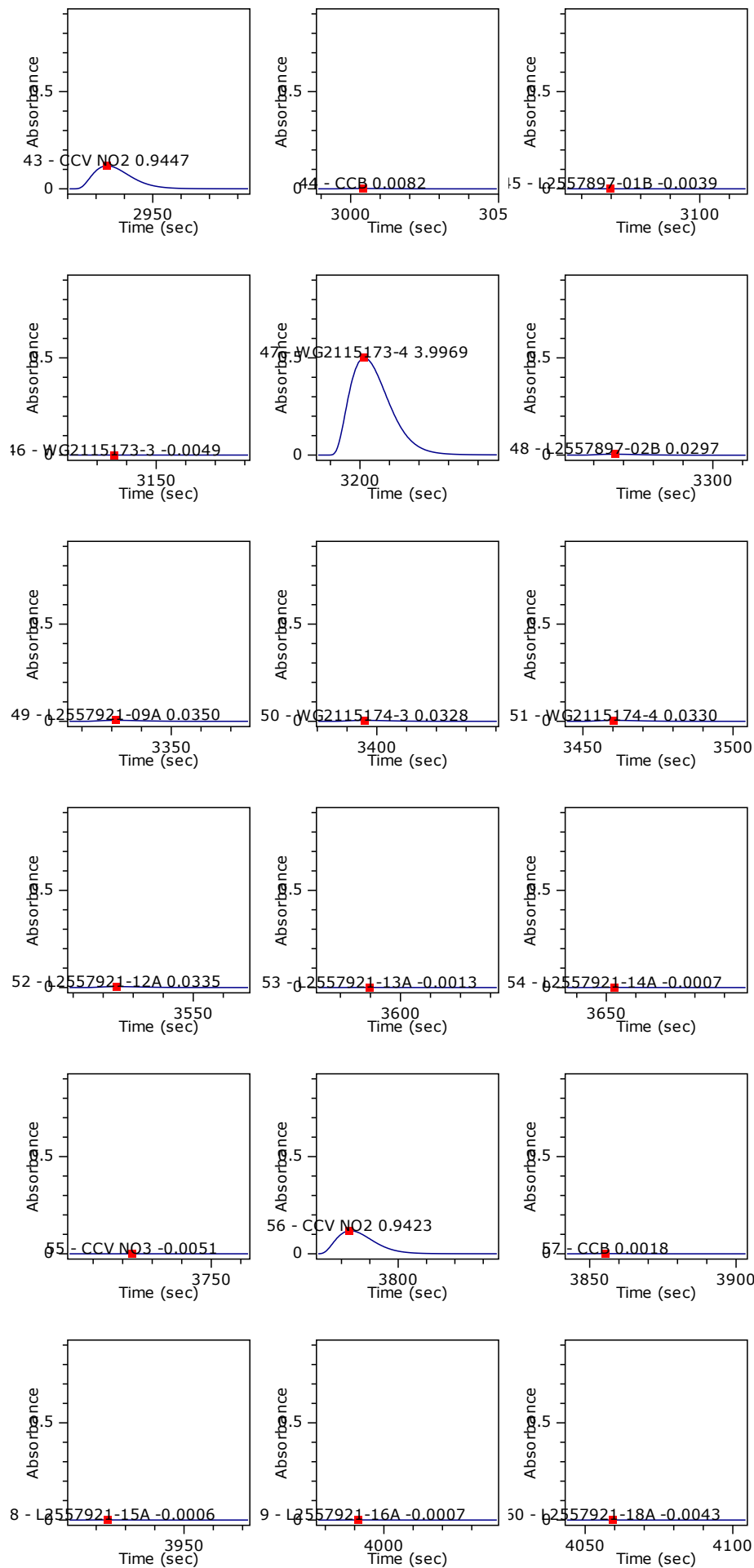


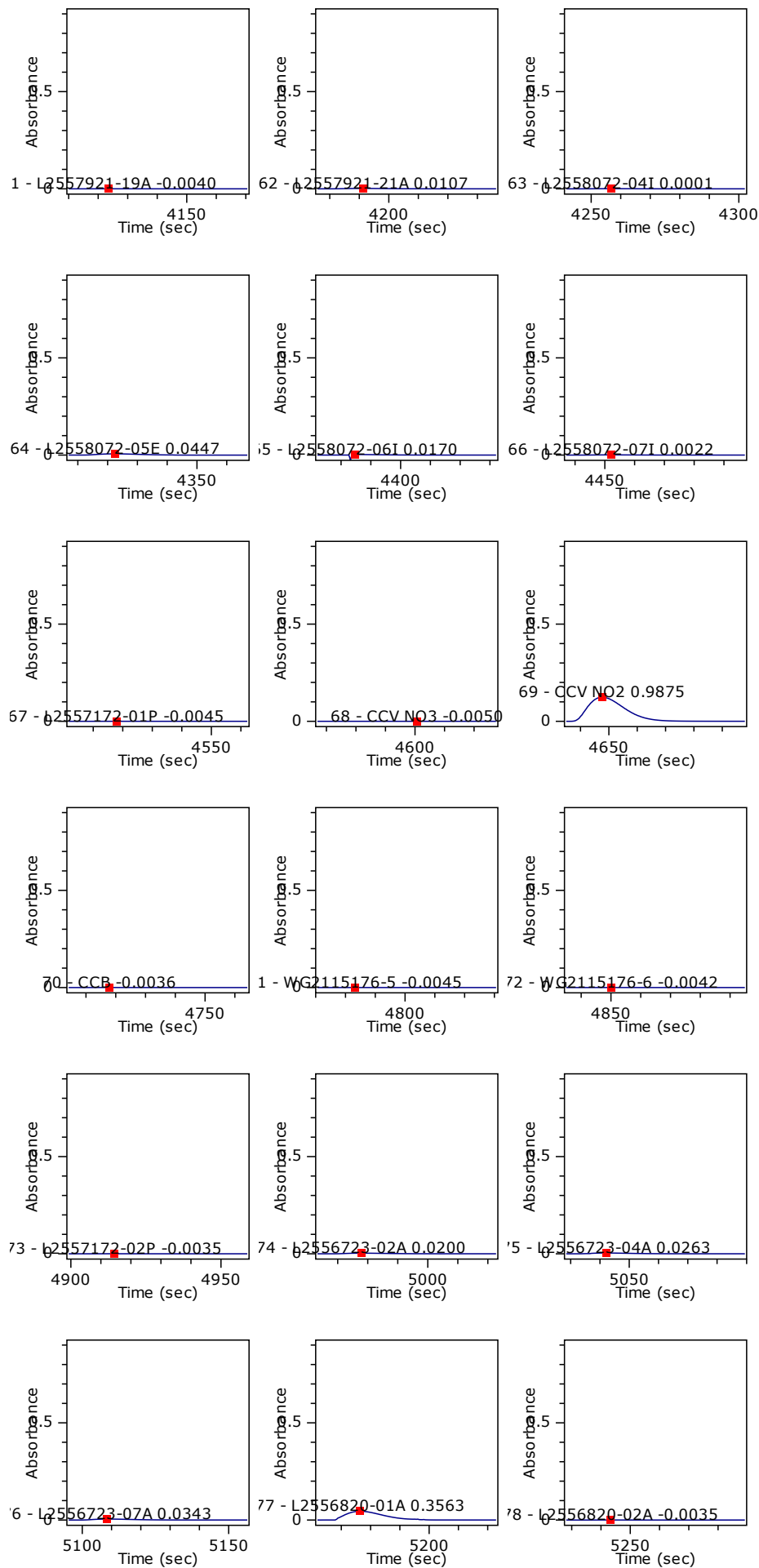
Channel: 2-NO2

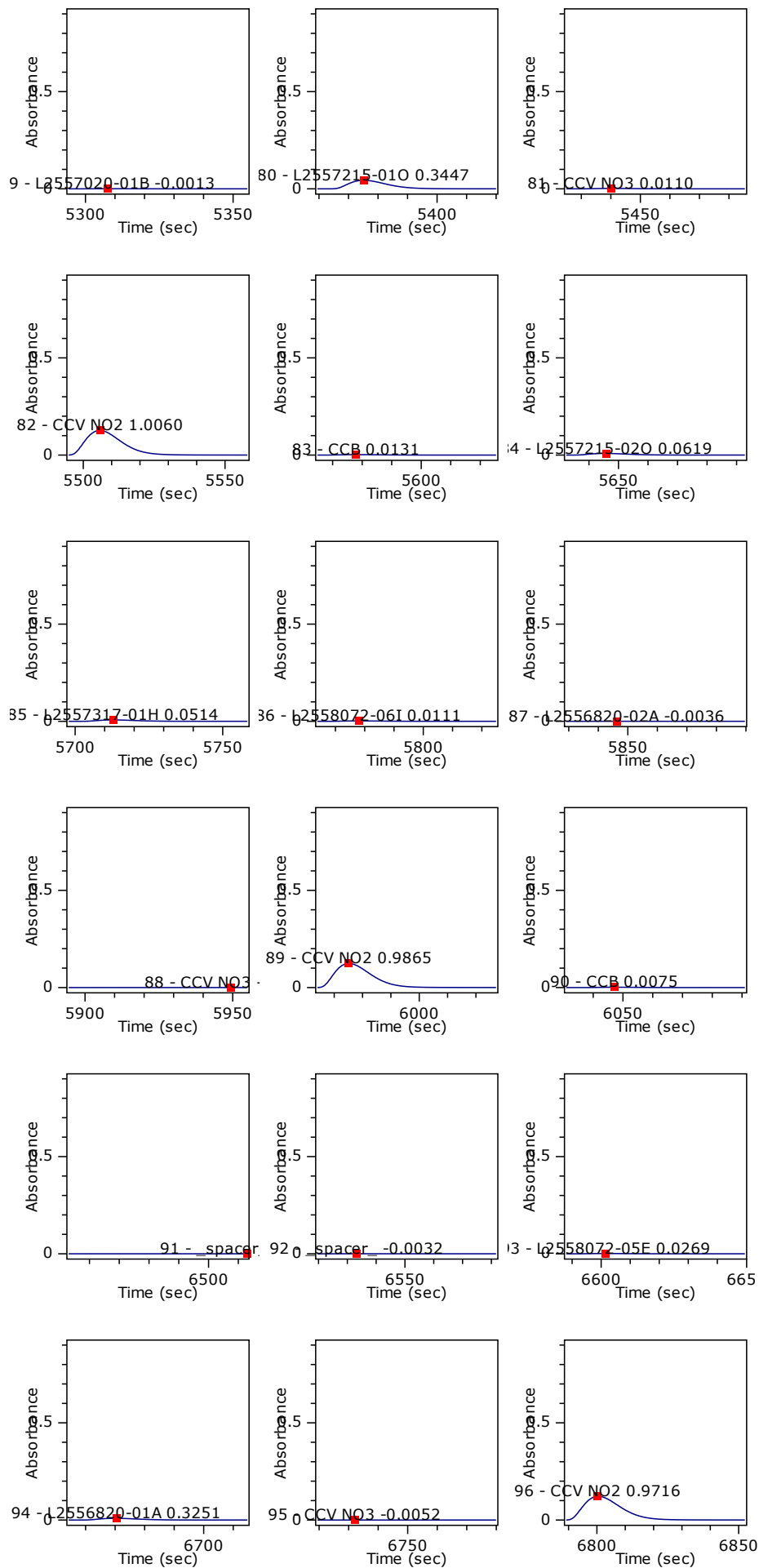


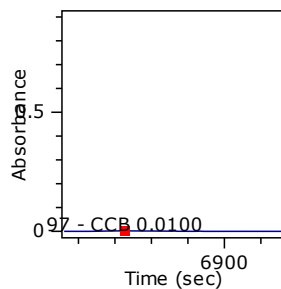












Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
|--- Low: 500nm
|--- High: 650nm
Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5
Integration Time: 2.4
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
|--- Low: 500nm
|--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-16T03:32:41

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash

Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject

Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up

Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample

Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan

Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject

Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse

Delay (sec) 20

Autosampler Probe Up

Delay (sec) 30

FIALab Peristaltic Pump Clockwise(%) 5

Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime

Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-16 07:26:27

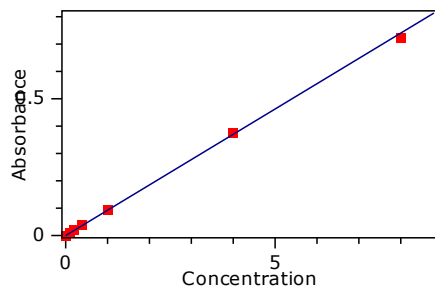
Data file (.dat): C:\FIALab\Autosave Data\2025-09-16-072610.dat

Dataset Notes:

Analyst	
---------	--

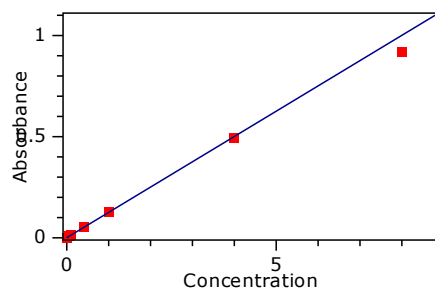
Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00010
 B: 0.09254
 R^2 : 0.99974
 RSE(%): 1.62080
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	NOx 8.0ppm	0.72130	8.00000	7.79630	2.55	N/A
10002	NOx 4.0ppm	0.37300	4.00000	4.03230	0.81	N/A
10003	NOx 1.0ppm	0.09290	1.00000	1.00510	0.51	N/A
10004	NOx 0.4ppm	0.03740	0.40000	0.40550	1.38	N/A
10005	NOx 0.2ppm	0.01860	0.20000	0.20160	0.80	N/A
10006	NOx 0.1ppm	0.00910	0.10000	0.09930	0.75	N/A
10007	NOx 0.0ppm	0.00000	0.00000	0.00140	NA	N/A



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00068
 B: 0.12504
 R^2 : 0.99854
 RSE(%): 7.26430
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	Nitrite 8.0ppm	0.91660	8.00000	7.32500	8.44	N/A
10002	Nitrite 4.0ppm	0.49570	4.00000	3.95900	1.02	N/A
10003	Nitrite 1.0ppm	0.12890	1.00000	1.02590	2.59	N/A
10004	Nitrite 0.4ppm	0.05480	0.40000	0.43260	8.16	N/A
10005	Nitrite 0.1ppm	0.01410	0.10000	0.10700	6.96	N/A
10006	Nitrite 0.05ppm	0.00670	0.05000	0.04790	4.15	N/A
10007	Nitrite 0.0ppm	0.00010	0.00000	-0.00460	NA	N/A

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0000	1	1	1	0.0016		2025-09-16T06:10:49
CCV NO3	2	QC	1	0.0943	1	1	1	1.0199		2025-09-16T06:11:58
CCV NO2	3	QC	?	0.1006	1	1	1	1.0885		2025-09-16T06:13:04
CCB	4	QC	0	0.0016	1	1	1	0.0189		2025-09-16T06:14:19

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2556335-01A	5	Unknown	?	0.1120	1	1	1	1.2111		2025-09-16T06:15:20
WG2115176-3	6	Unknown	?	0.1109	1	1	1	1.1994		2025-09-16T06:16:26
WG2115176-4	7	Unknown	?	0.4967	1	1	1	5.3682		2025-09-16T06:17:31
L2556335-04A	8	Unknown	?	0.1891	1	1	1	2.0449		2025-09-16T06:18:35
L2556335-07A	9	Unknown	?	0.0154	1	1	1	0.1674		2025-09-16T06:19:40
L2556335-10A	10	Unknown	?	0.0169	1	1	1	0.1832		2025-09-16T06:20:45
L2556335-13A	11	Unknown	?	0.0027	1	1	1	0.0305		2025-09-16T06:21:48
L2556335-16A	12	Unknown	?	0.1855	1	1	1	2.0062		2025-09-16T06:22:53
L2556335-19A	13	Unknown	?	0.0305	1	1	1	0.3308		2025-09-16T06:23:58
L2556335-22A	14	Unknown	?	0.0701	1	1	1	0.7581		2025-09-16T06:25:05
CCV NO3	15	QC	1	0.0924	1	1	1	0.9997		2025-09-16T06:26:10
CCV NO2	16	QC	?	0.1019	1	1	1	1.1025		2025-09-16T06:27:16
CCB	17	QC	0	0.0004	1	1	1	0.0060		2025-09-16T06:28:29
L2556335-25A	18	Unknown	?	0.0093	1	1	1	0.1020		2025-09-16T06:29:33
L2556396-02B	19	Unknown	?	0.0106	1	1	1	0.1159		2025-09-16T06:30:41
L2556396-03C	20	Unknown	?	0.3476	1	1	1	3.7570		2025-09-16T06:31:46
L2556676-02M	21	Unknown	?	0.0206	1	1	1	0.2234		2025-09-16T06:32:53
L2556676-03M	22	Unknown	?	0.0041	1	1	1	0.0453		2025-09-16T06:33:58
L2556676-04M	23	Unknown	?	0.0183	1	1	1	0.1989		2025-09-16T06:35:04
L2556676-05M	24	Unknown	?	0.0675	1	1	1	0.7304		2025-09-16T06:36:08
L2556676-06M	25	Unknown	?	0.0119	1	1	1	0.1294		2025-09-16T06:37:14
L2556676-07M	26	Unknown	?	0.0102	1	1	1	0.1114		2025-09-16T06:38:18
L2556676-08M	27	Unknown	?	0.0198	1	1	1	0.2151		2025-09-16T06:39:22
CCV NO3	28	QC	1	0.0936	1	1	1	1.0127		2025-09-16T06:40:27
CCV NO2	29	QC	?	0.1014	1	1	1	1.0969		2025-09-16T06:41:32
CCB	30	QC	0	0.0018	1	1	1	0.0209		2025-09-16T06:42:51
L2556676-09M	31	Unknown	?	0.2216	1	1	1	2.3963		2025-09-16T06:43:50
WG2115177-3	32	Unknown	?	0.2202	1	1	1	2.3804		2025-09-16T06:44:56
WG2115177-4	33	Unknown	?	0.5671	1	1	1	6.1292		2025-09-16T06:46:01
L2556676-10M	34	Unknown	?	0.0620	1	1	1	0.6707		2025-09-16T06:47:06
L2556676-11M	35	Unknown	?	0.4814	1	1	1	5.2030		2025-09-16T06:48:13
L2556676-12M	36	Unknown	?	0.0013	1	1	1	0.0148		2025-09-16T06:49:19
L2557594-01A	37	Unknown	?	0.0111	1	1	1	0.1211		2025-09-16T06:50:26

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2557594-02A	38	Unknown	?	0.4219	1	1	1	4.5602		2025-09-16T06:51:32
L2557597-01A	39	Unknown	?	0.0088	1	1	1	0.0961		2025-09-16T06:52:38
L2557597-02A	40	Unknown	?	0.4232	1	1	1	4.5745		2025-09-16T06:53:44
CCV NO3	41	QC	1	0.0904	1	1	1	0.9785		2025-09-16T06:54:48
CCV NO2	42	QC	?	0.1021	1	1	1	1.1040		2025-09-16T06:55:54
CCB	43	QC	0	0.0016	1	1	1	0.0186		2025-09-16T06:57:12
L2557913-02A	44	Unknown	?	0.5504	1	1	1	5.9495		2025-09-16T06:58:13
L2558089-01E	45	Unknown	?	0.0024	1	1	1	0.0266		2025-09-16T06:59:21
L2558089-02E	46	Unknown	?	0.0462	1	1	1	0.5005		2025-09-16T07:00:25
L2556594-01H	47	Unknown	?	0.0031	1	1	1	0.0350		2025-09-16T07:01:31
L2556594-05H	48	Unknown	?	0.0047	1	1	1	0.0520		2025-09-16T07:02:35
WG2115178-3	49	Unknown	?	0.0018	1	1	1	0.0202		2025-09-16T07:03:40
WG2115178-4	50	Unknown	?	0.3758	1	1	1	4.0624		2025-09-16T07:04:45
L2556956-01F	51	Unknown	?	0.0017	1	1	1	0.0193		2025-09-16T07:05:49
L2556956-07F	52	Unknown	?	0.2124	1	1	1	2.2963		2025-09-16T07:06:56
CCV NO3	53	QC	1	0.0920	1	1	1	0.9958		2025-09-16T07:08:01
CCV NO2	54	QC	?	0.1004	1	1	1	1.0859		2025-09-16T07:09:07
CCB	55	QC	0	0.0012	1	1	1	0.0136		2025-09-16T07:10:26

Channel: 2-NO2

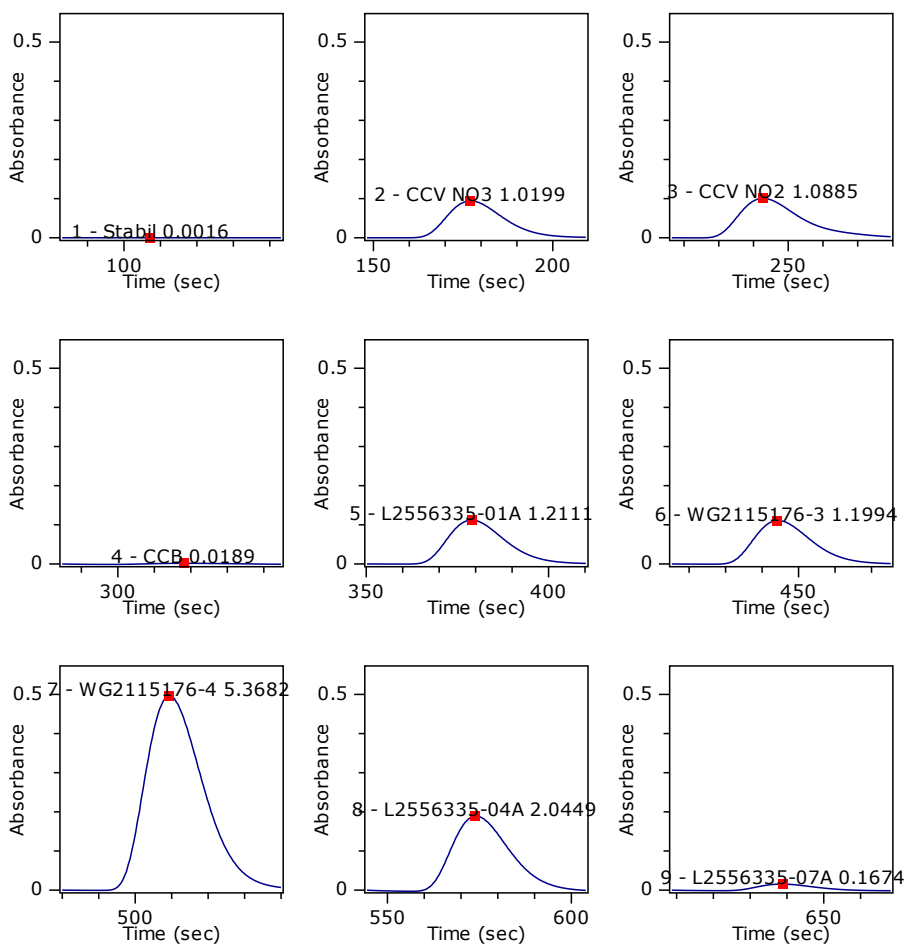
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0049		2025-09-16T06:10:37
CCV NO3	2	QC	?	0.0000	1	1	1	-0.0051		2025-09-16T06:11:46
CCV NO2	3	QC	1	0.1245	1	1	1	0.9902		2025-09-16T06:12:51
CCB	4	QC	0	0.0020	1	1	1	0.0102		2025-09-16T06:14:01
L2556335-01A	5	Unknown	?	0.0003	1	1	1	-0.0030		2025-09-16T06:15:07
WG2115176-3	6	Unknown	?	0.0003	1	1	1	-0.0032		2025-09-16T06:16:12
WG2115176-4	7	Unknown	?	0.0003	1	1	1	-0.0032		2025-09-16T06:17:17
L2556335-04A	8	Unknown	?	0.0007	1	1	1	0.0001		2025-09-16T06:18:22
L2556335-07A	9	Unknown	?	0.0003	1	1	1	-0.0030		2025-09-16T06:19:29
L2556335-10A	10	Unknown	?	0.0003	1	1	1	-0.0032		2025-09-16T06:20:30
L2556335-13A	11	Unknown	?	0.0002	1	1	1	-0.0036		2025-09-16T06:21:34
L2556335-16A	12	Unknown	?	0.0008	1	1	1	0.0011		2025-09-16T06:22:39
L2556335-	13	Unknown	?	0.0003	1	1	1	-0.0034		2025-09-

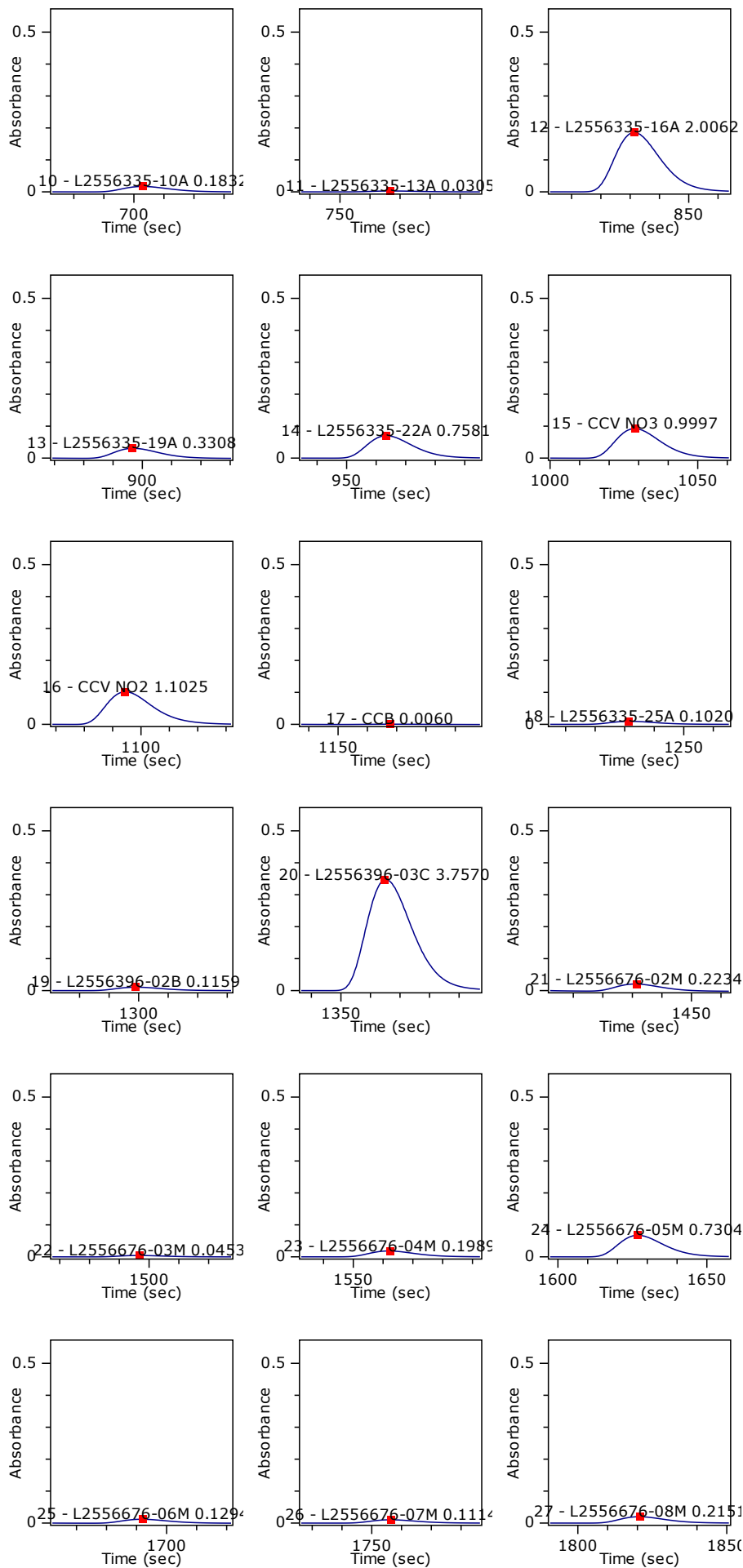
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
19A										16T06:23:45
L2556335-22A	14	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-16T06:24:52
CCV NO3	15	QC	?	0.0000	1	1	1	-0.0051		2025-09-16T06:25:55
CCV NO2	16	QC	1	0.1247	1	1	1	0.9921		2025-09-16T06:27:02
CCB	17	QC	0	0.0009	1	1	1	0.0020		2025-09-16T06:28:14
L2556335-25A	18	Unknown	?	0.0002	1	1	1	-0.0041		2025-09-16T06:29:20
L2556396-02B	19	Unknown	?	0.0008	1	1	1	0.0009		2025-09-16T06:30:27
L2556396-03C	20	Unknown	?	0.0003	1	1	1	-0.0030		2025-09-16T06:31:33
L2556676-02M	21	Unknown	?	0.0005	1	1	1	-0.0016		2025-09-16T06:32:38
L2556676-03M	22	Unknown	?	0.0002	1	1	1	-0.0039		2025-09-16T06:33:44
L2556676-04M	23	Unknown	?	0.0002	1	1	1	-0.0038		2025-09-16T06:34:49
L2556676-05M	24	Unknown	?	0.0005	1	1	1	-0.0013		2025-09-16T06:35:55
L2556676-06M	25	Unknown	?	0.0003	1	1	1	-0.0032		2025-09-16T06:37:00
L2556676-07M	26	Unknown	?	0.0002	1	1	1	-0.0042		2025-09-16T06:38:01
L2556676-08M	27	Unknown	?	0.0002	1	1	1	-0.0036		2025-09-16T06:39:07
CCV NO3	28	QC	?	0.0000	1	1	1	-0.0052		2025-09-16T06:40:15
CCV NO2	29	QC	1	0.1241	1	1	1	0.9871		2025-09-16T06:41:18
CCB	30	QC	0	0.0033	1	1	1	0.0212		2025-09-16T06:42:34
L2556676-09M	31	Unknown	?	0.0002	1	1	1	-0.0041		2025-09-16T06:43:37
WG2115177-3	32	Unknown	?	0.0001	1	1	1	-0.0047		2025-09-16T06:44:43
WG2115177-4	33	Unknown	?	0.0001	1	1	1	-0.0046		2025-09-16T06:45:45
L2556676-10M	34	Unknown	?	0.0003	1	1	1	-0.0029		2025-09-16T06:46:53
L2556676-11M	35	Unknown	?	0.0003	1	1	1	-0.0033		2025-09-16T06:47:58
L2556676-12M	36	Unknown	?	0.0002	1	1	1	-0.0037		2025-09-16T06:49:06
L2557594-01A	37	Unknown	?	0.0013	1	1	1	0.0047		2025-09-16T06:50:12
L2557594-02A	38	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-16T06:51:17
L2557597-01A	39	Unknown	?	0.0011	1	1	1	0.0038		2025-09-16T06:52:24
L2557597-02A	40	Unknown	?	0.0003	1	1	1	-0.0028		2025-09-16T06:53:30
CCV NO3	41	QC	?	0.0000	1	1	1	-0.0051		2025-09-16T06:54:33
CCV NO2	42	QC	1	0.1255	1	1	1	0.9986		2025-09-16T06:55:40
CCB	43	QC	0	0.0023	1	1	1	0.0127		2025-09-16T06:56:52
L2557913-02A	44	Unknown	?	0.0074	1	1	1	0.0539		2025-09-16T06:58:00
L2558089-01E	45	Unknown	?	0.0012	1	1	1	0.0043		2025-09-16T06:59:07

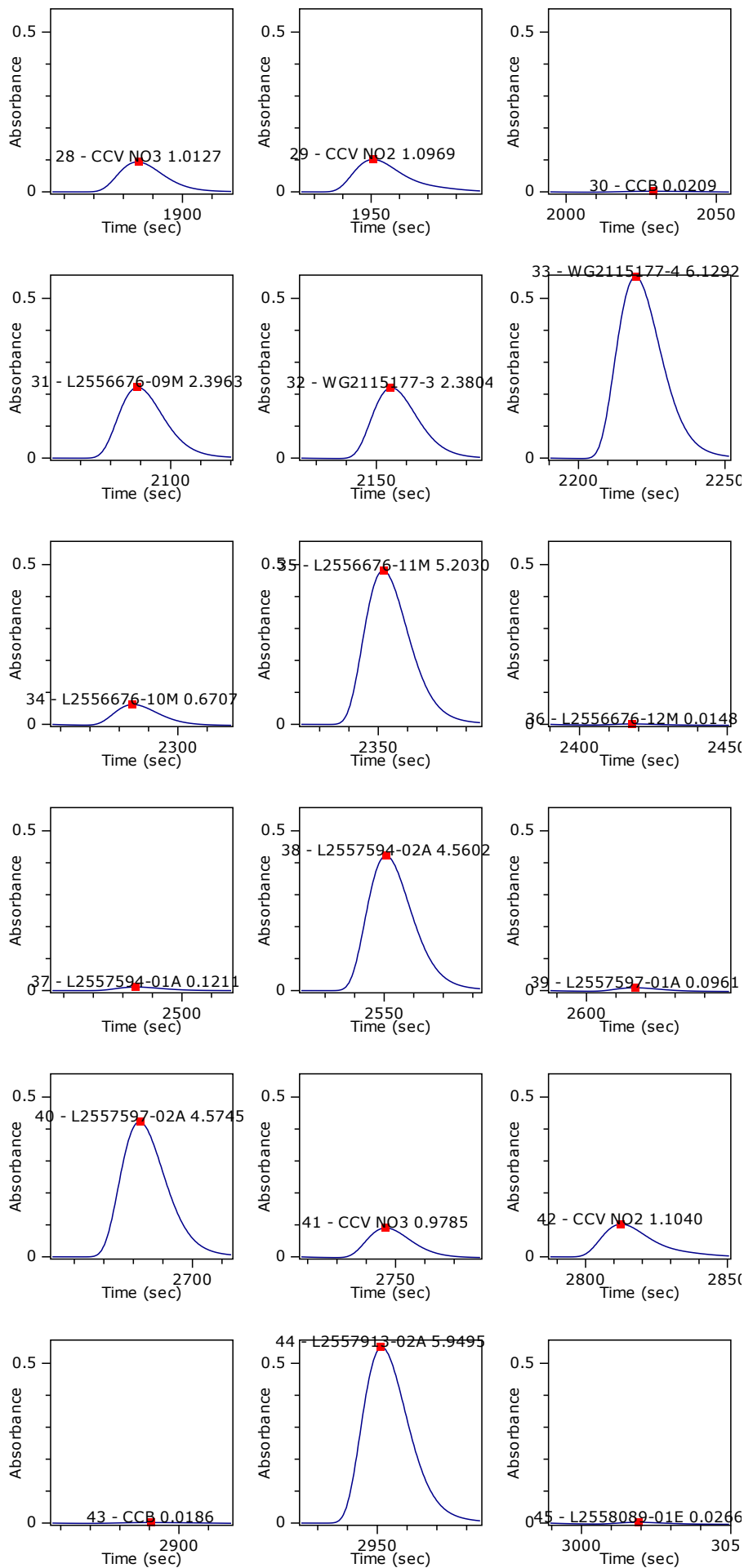
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2558089-02E	46	Unknown	?	0.0388	1	1	1	0.3046		2025-09-16T07:00:11
L2556594-01H	47	Unknown	?	0.0010	1	1	1	0.0023		2025-09-16T07:01:51
L2556594-05H	48	Unknown	?	0.0007	1	1	1	-0.0001		2025-09-16T07:02:13
WG2115178-3	49	Unknown	?	0.0001	1	1	1	-0.0045		2025-09-16T07:03:27
WG2115178-4	50	Unknown	?	0.0001	1	1	1	-0.0044		2025-09-16T07:04:32
L2556956-01F	51	Unknown	?	0.0003	1	1	1	-0.0032		2025-09-16T07:05:35
L2556956-07F	52	Unknown	?	0.0002	1	1	1	-0.0039		2025-09-16T07:06:43
CCV NO3	53	QC	?	0.0000	1	1	1	-0.0050		2025-09-16T07:07:56
CCV NO2	54	QC	1	0.1248	1	1	1	0.9931		2025-09-16T07:08:53
CCB	55	QC	0	0.0027	1	1	1	0.0159		2025-09-16T07:10:05

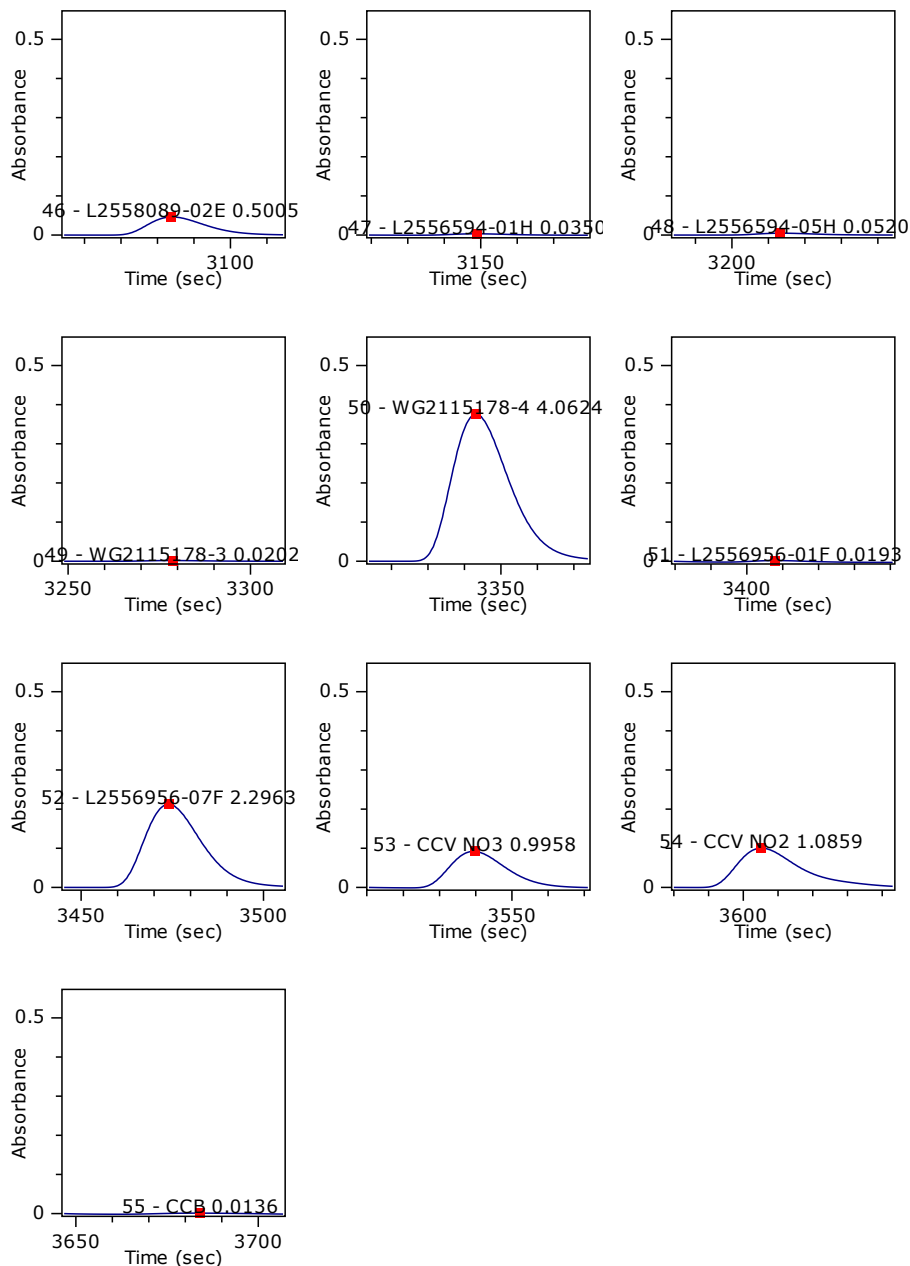
Peaks:

Channel: 1-NOx

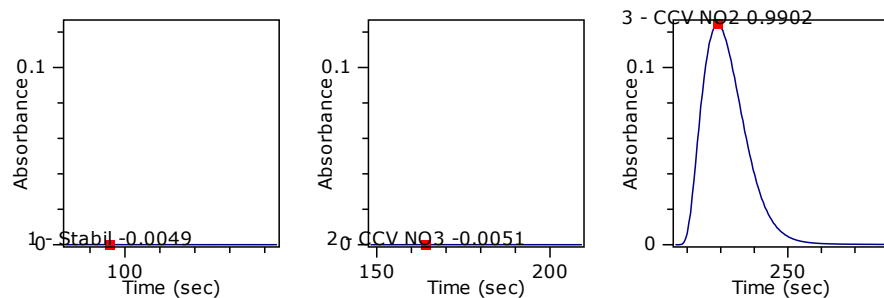


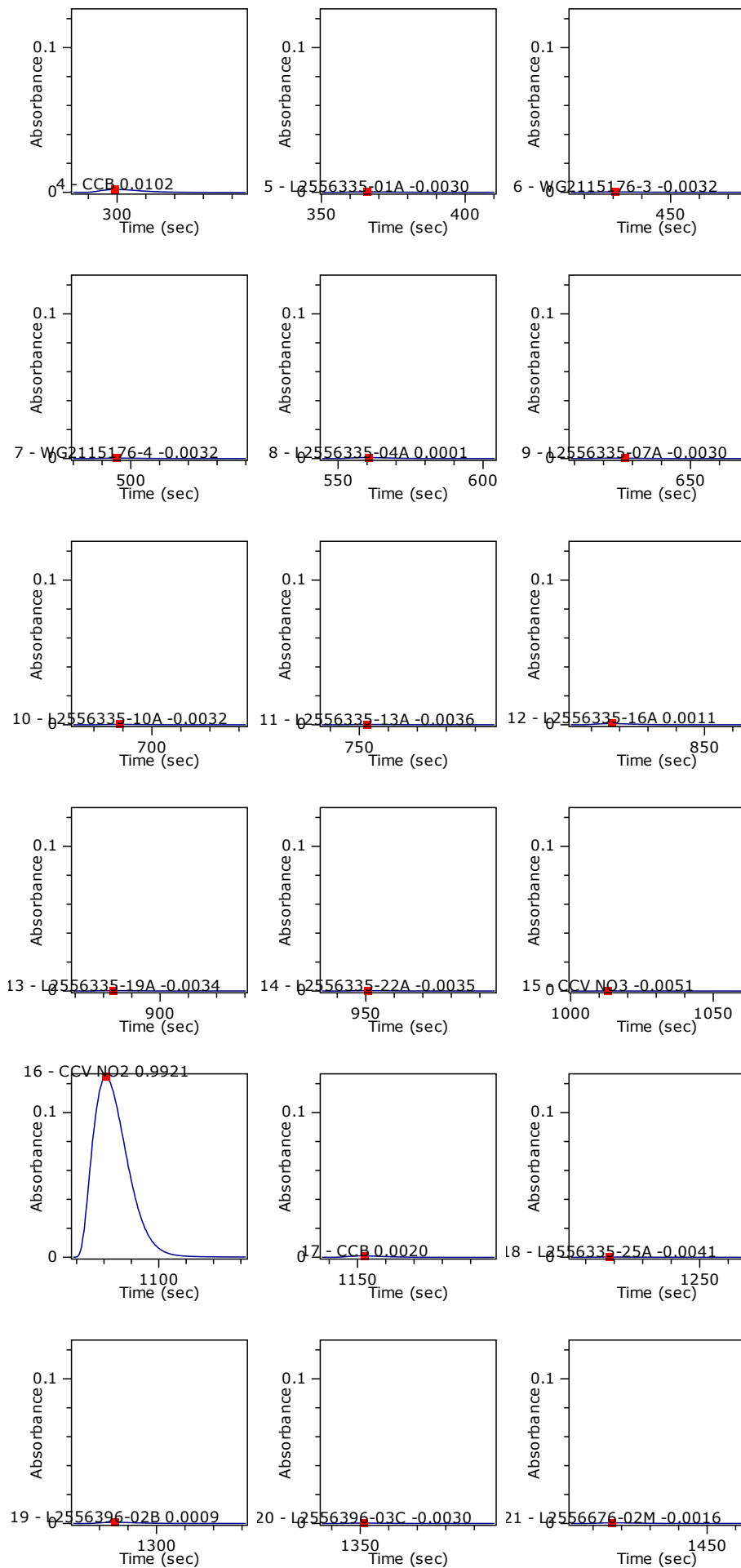


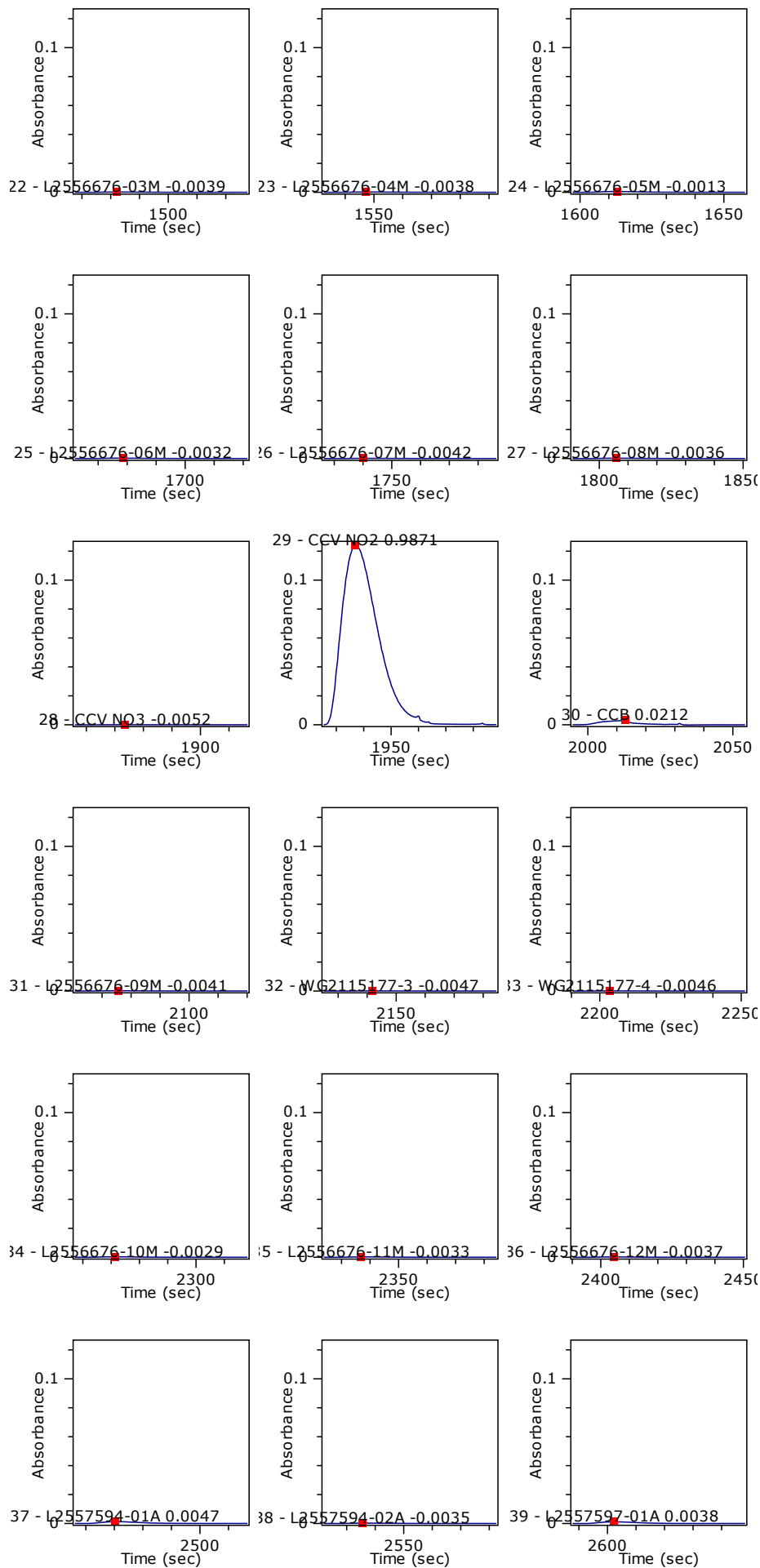


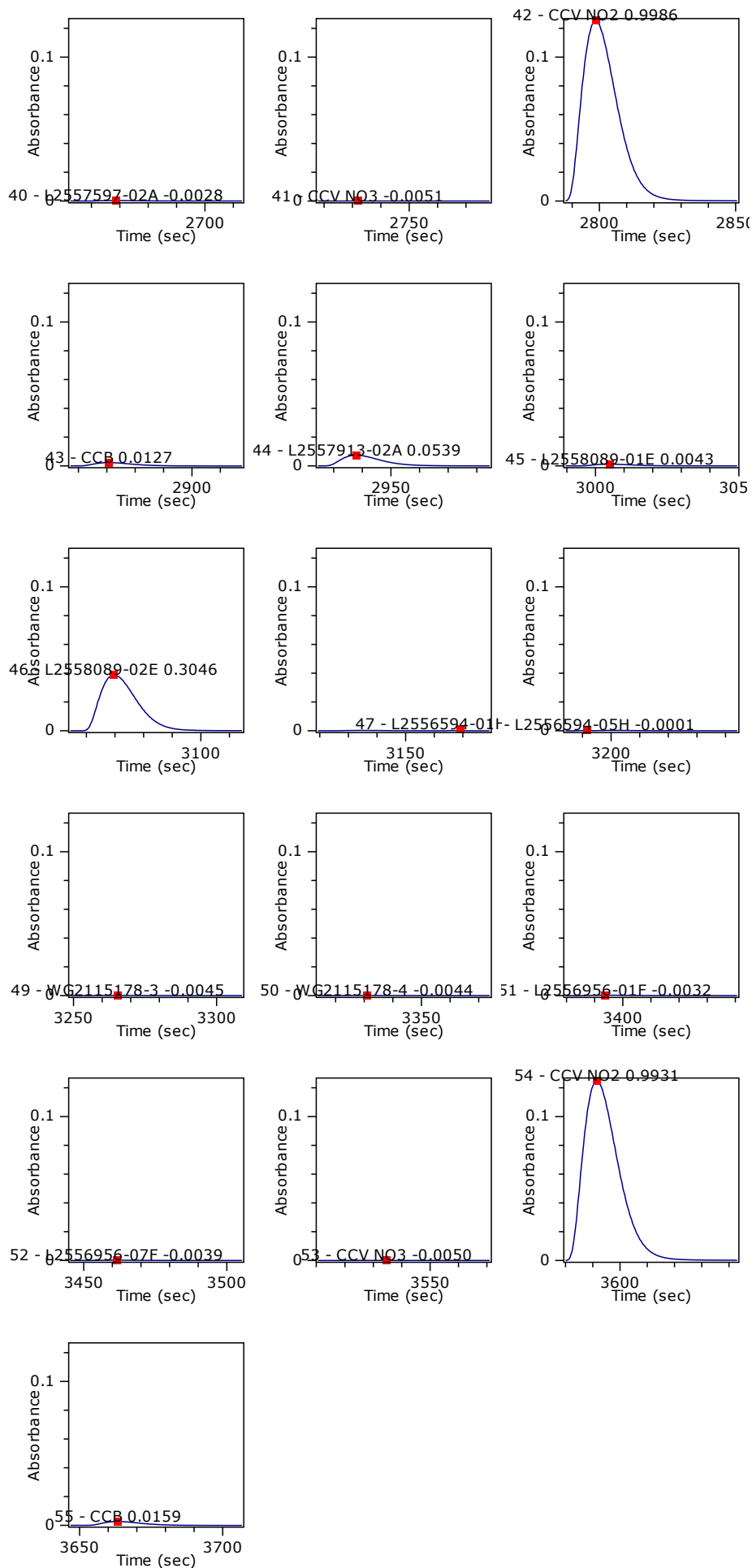


Channel: 2-NO2









Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
 |--- Low: 500nm
 |--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-16T06:09:02

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample
Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Quality Control

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 8A
 Lab Sample ID : L2556676-09
 Matrix Spike : WG2115177-4
 Matrix Spike Dup :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/16/25 06:45
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Nitrogen, Nitrate/Nitrite	2.4	4	6.1	92					80-120	20



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 8A	Matrix	: WATER
Lab Sample ID	: L2556676-09	Analysis Date	: 09/16/25 06:43
Dup Sample ID	: WG2115177-3	DUP Analysis Date	: 09/16/25 06:44

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate/Nitrite	2.4	2.4	0	20



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2115177-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/16/25 04:17
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Nitrate/Nitrite	5.00	4.90	98.					90-110	20



Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Nitrogen, Nitrate

Aqueous Samples:

Compute sample N in NO₃ concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 1 (NO₃+NO₂) and Channel 2 (NO₂)

$$\text{NO}_3 \text{ mg/I} = (\text{NO}_3 + \text{NO}_2) \text{ mg/L} - (\text{NO}_2) \text{ mg/L}$$

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(\text{NO}_3)\text{-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Calculations of Nitrogen, Nitrite

Aqueous Samples:

Compute sample N in NO₂ concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (NO₂)

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(\text{NO}_2)\text{-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-16 05:32:43

Data file (.dat): C:\FIALab\Autosave Data\2025-09-16-053159.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	NOx 8.0ppm	RD76	Standard	1	1	1	1	
3	NOx 4.0ppm	RD77	Standard	2	1	1	1	
4	NOx 1.0ppm	RS1	Standard	3	1	1	1	
5	NOx 0.4ppm	RD78	Standard	4	1	1	1	
6	NOx 0.2ppm	RD79	Standard	5	1	1	1	
7	NOx 0.1ppm	RD80	Standard	6	1	1	1	
8	NOx 0.0ppm	RS10	Standard	7	1	1	1	
9	Nitrite 8.0ppm	RD81	Standard	8	1	1	1	
10	Nitrite 4.0ppm	RD82	Standard	9	1	1	1	
11	Nitrite 1.0ppm	RS2	Standard	10	1	1	1	
12	Nitrite 0.4ppm	RD83	Standard	11	1	1	1	
13	Nitrite 0.1ppm	RD84	Standard	13	1	1	1	
14	Nitrite 0.05ppm	RD85	Standard	14	1	1	1	
15	Nitrite 0.0ppm	RS10	Standard	15	1	1	1	
16	CCV NO3	RS1	QC	94	1	1	1	
17	CCV NO2	RS2	QC	95	1	1	1	
18	CCB	RS10	QC	96	1	1	1	
19	ICV NO3 5.0	RA1	QC	90	1	1	1	
20	ICV NO2 5.0	RA2	QC	92	1	1	1	
21	ICV NO3 0.5	RA3	QC	91	1	1	1	
22	ICV NO2 0.5	RA4	QC	93	1	1	1	
23	ICB	RA5	QC	96	1	1	1	
24	Diluter CHK 8PPM	RD1	Unknown	0	1	5	1	
25	BLANK NO3	RA7	Unknown	0	1	1	1	
26	LCS NO3	RA8	Unknown	0	1	1	1	
27	BLANK NO2	RA9	Unknown	0	1	1	1	
28	LCS NO2	RA10	Unknown	0	1	1	1	
29	CCV NO3	RS1	QC	94	1	1	1	
30	CCV NO2	RS2	QC	95	1	1	1	
31	CCB	RS10	QC	96	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
32	WG2115173-1	RA11	Unknown	0	1	1	1	
33	WG2115173-2	RA12	Unknown	0	1	1	1	
34	WG2115174-1	RA13	Unknown	0	1	1	1	
35	WG2115174-2	RA14	Unknown	0	1	1	1	
36	WG2115176-1	RA15	Unknown	0	1	1	1	
37	WG2115176-2	RA16	Unknown	0	1	1	1	
38	WG2115177-1	RA17	Unknown	0	1	1	1	
39	WG2115177-2	RA18	Unknown	0	1	1	1	
40	WG2115178-1	RA19	Unknown	0	1	1	1	
41	WG2115178-2	RA20	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	
45	L2557897-01B	RA21	Unknown	0	1	1	1	
46	WG2115173-3	RA22	Unknown	0	1	1	1	
47	WG2115173-4	RA23	Unknown	0	1	1	1	
48	L2557897-02B	RA24	Unknown	0	1	1	1	
49	L2557921-09A	RA25	Unknown	0	1	1	1	
50	WG2115174-3	RA26	Unknown	0	1	1	1	
51	WG2115174-4	RA27	Unknown	0	1	1	1	
52	L2557921-12A	RA28	Unknown	0	1	1	1	
53	L2557921-13A	RA29	Unknown	0	1	1	1	
54	L2557921-14A	RA30	Unknown	0	1	1	1	
55	CCV NO3	RS1	QC	94	1	1	1	
56	CCV NO2	RS2	QC	95	1	1	1	
57	CCB	RS10	QC	96	1	1	1	
58	L2557921-15A	RA31	Unknown	0	1	1	1	
59	L2557921-16A	RA32	Unknown	0	1	1	1	
60	L2557921-18A	RA33	Unknown	0	1	1	1	
61	L2557921-19A	RA34	Unknown	0	1	1	1	
62	L2557921-21A	RA35	Unknown	0	1	1	1	
63	L2558072-04I	RA36	Unknown	0	1	1	1	
64	L2558072-05E	RA37	Unknown	0	1	1	1	
65	L2558072-06I	RA38	Unknown	0	1	1	1	
66	L2558072-07I	RA39	Unknown	0	1	1	1	
67	L2557172-01P	RA40	Unknown	0	1	1	1	
68	CCV NO3	RS1	QC	94	1	1	1	
69	CCV NO2	RS2	QC	95	1	1	1	
70	CCB	RS10	QC	96	1	1	1	
71	WG2115176-5	RA41	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
72	WG2115176-6	RA42	Unknown	0	1	1	1	
73	L2557172-02P	RA43	Unknown	0	1	1	1	
74	L2556723-02A	RA44	Unknown	0	1	1	1	
75	L2556723-04A	RA45	Unknown	0	1	1	1	
76	L2556723-07A	RA46	Unknown	0	1	1	1	
77	L2556820-01A	RA47	Unknown	0	1	1	1	
78	L2556820-02A	RA48	Unknown	0	1	1	1	
79	L2557020-01B	RA49	Unknown	0	1	1	1	
80	L2557215-01O	RA50	Unknown	0	1	1	1	
81	CCV NO3	RS1	QC	94	1	1	1	
82	CCV NO2	RS2	QC	95	1	1	1	
83	CCB	RS10	QC	96	1	1	1	
84	L2557215-02O	RA51	Unknown	0	1	1	1	
85	L2557317-01H	RA52	Unknown	0	1	1	1	
86	L2558072-06I	RA38	Unknown	0	1	1	1	
87	L2556820-02A	RA48	Unknown	0	1	1	1	
88	CCV NO3	RS1	QC	94	1	1	1	
89	CCV NO2	RS2	QC	95	1	1	1	
90	CCB	RS10	QC	96	1	1	1	
91	_spacer_	SP0	Unknown	0	1	1	1	
92	_spacer_	SP0	Unknown	0	1	1	1	
93	L2558072-05E	RD2	Unknown	0	1	5	1	
94	L2556820-01A	RD3	Unknown	0	1	5	1	
95	CCV NO3	RS1	QC	94	1	1	1	
96	CCV NO2	RS2	QC	95	1	1	1	
97	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIAlab\FIAlab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-16 07:26:37

Data file (.dat): C:\FIALab\Autosave Data\2025-09-16-072610.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	CCV NO3	RS1	QC	94	1	1	1	
3	CCV NO2	RS2	QC	95	1	1	1	
4	CCB	RS10	QC	96	1	1	1	
5	L2556335-01A	RA53	Unknown	0	1	1	1	
6	WG2115176-3	RA54	Unknown	0	1	1	1	
7	WG2115176-4	RA55	Unknown	0	1	1	1	
8	L2556335-04A	RA56	Unknown	0	1	1	1	
9	L2556335-07A	RA57	Unknown	0	1	1	1	
10	L2556335-10A	RA58	Unknown	0	1	1	1	
11	L2556335-13A	RA59	Unknown	0	1	1	1	
12	L2556335-16A	RA60	Unknown	0	1	1	1	
13	L2556335-19A	RA61	Unknown	0	1	1	1	
14	L2556335-22A	RA62	Unknown	0	1	1	1	
15	CCV NO3	RS1	QC	94	1	1	1	
16	CCV NO2	RS2	QC	95	1	1	1	
17	CCB	RS10	QC	96	1	1	1	
18	L2556335-25A	RA63	Unknown	0	1	1	1	
19	L2556396-02B	RA64	Unknown	0	1	1	1	
20	L2556396-03C	RA65	Unknown	0	1	1	1	
21	L2556676-02M	RA66	Unknown	0	1	1	1	
22	L2556676-03M	RA67	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
23	L2556676-04M	RA68	Unknown	0	1	1	1	
24	L2556676-05M	RA69	Unknown	0	1	1	1	
25	L2556676-06M	RA70	Unknown	0	1	1	1	
26	L2556676-07M	RA71	Unknown	0	1	1	1	
27	L2556676-08M	RA72	Unknown	0	1	1	1	
28	CCV NO3	RS1	QC	94	1	1	1	
29	CCV NO2	RS2	QC	95	1	1	1	
30	CCB	RS10	QC	96	1	1	1	
31	L2556676-09M	RA73	Unknown	0	1	1	1	
32	WG2115177-3	RA74	Unknown	0	1	1	1	
33	WG2115177-4	RA75	Unknown	0	1	1	1	
34	L2556676-10M	RA76	Unknown	0	1	1	1	
35	L2556676-11M	RA77	Unknown	0	1	1	1	
36	L2556676-12M	RA78	Unknown	0	1	1	1	
37	L2557594-01A	RA79	Unknown	0	1	1	1	
38	L2557594-02A	RA80	Unknown	0	1	1	1	
39	L2557597-01A	RA81	Unknown	0	1	1	1	
40	L2557597-02A	RA82	Unknown	0	1	1	1	
41	CCV NO3	RS1	QC	94	1	1	1	
42	CCV NO2	RS2	QC	95	1	1	1	
43	CCB	RS10	QC	96	1	1	1	
44	L2557913-02A	RA83	Unknown	0	1	1	1	
45	L2558089-01E	RA84	Unknown	0	1	1	1	
46	L2558089-02E	RA85	Unknown	0	1	1	1	
47	L2556594-01H	RA86	Unknown	0	1	1	1	
48	L2556594-05H	RA87	Unknown	0	1	1	1	
49	WG2115178-3	RA88	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
50	WG2115178-4	RA89	Unknown	0	1	1	1	
51	L2556956-01F	RA90	Unknown	0	1	1	1	
52	L2556956-07F	RB1	Unknown	0	1	1	1	
53	CCV NO3	RS1	QC	94	1	1	1	
54	CCV NO2	RS2	QC	95	1	1	1	
55	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIALab\FIALab User Files\Tables\Sample Tables\Prepared Standards_2024-03-26-102432.csv

Total Dissolved Solids Analysis

Results

Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-02
Client ID : 3A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,2540C
Lab File ID : WG2114913.pdf
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:40
Date Received : 09/09/25
Date Analyzed : 09/15/25 12:53
Dilution Factor : 1.3
Analyst : SMD
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	140	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-03
 Client ID : 3B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2114913.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:50
 Date Received : 09/09/25
 Date Analyzed : 09/15/25 12:53
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	170	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-04
 Client ID : DUP001
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2114913.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:45
 Date Received : 09/09/25
 Date Analyzed : 09/15/25 12:53
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	130	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-05
 Client ID : 4A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115254.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 09:55
 Date Received : 09/09/25
 Date Analyzed : 09/16/25 07:39
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	170	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-06
 Client ID : 4B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115254.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 10:55
 Date Received : 09/09/25
 Date Analyzed : 09/16/25 07:39
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	140	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-07
 Client ID : 2A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115254.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:45
 Date Received : 09/09/25
 Date Analyzed : 09/16/25 07:39
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	170	13	4.0	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-08
Client ID : 2B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,2540C
Lab File ID : WG2115254.pdf
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 11:55
Date Received : 09/09/25
Date Analyzed : 09/16/25 07:39
Dilution Factor : 1.3
Analyst : SMD
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	150	13	4.0	

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-09
 Client ID : 8A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115254.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 12:45
 Date Received : 09/09/25
 Date Analyzed : 09/16/25 07:39
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	150	13	4.0	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-10
Client ID : 8B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,2540C
Lab File ID : WG2115254.pdf
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 13:05
Date Received : 09/09/25
Date Analyzed : 09/16/25 07:39
Dilution Factor : 1.3
Analyst : SMD
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	100	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-11
 Client ID : 9A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115254.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:10
 Date Received : 09/09/25
 Date Analyzed : 09/16/25 07:39
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	120	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-12
 Client ID : 9B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115254.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:30
 Date Received : 09/09/25
 Date Analyzed : 09/16/25 07:39
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	200	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2114913-1
 Client ID : WG2114913-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2114913.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/15/25 12:53
 Dilution Factor : 1
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	ND	10	3.1	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2114913-3
 Client ID : WG2114913-3 DUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2114913.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 09:15
 Date Received : 09/09/25
 Date Analyzed : 09/15/25 12:53
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	310	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2114913-4
 Client ID : WG2114913-4 DUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2114913.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 10:15
 Date Received : 09/09/25
 Date Analyzed : 09/15/25 12:53
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	360	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115254-1
 Client ID : WG2115254-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115254.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/16/25 07:39
 Dilution Factor : 1
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	ND	10	3.1	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115254-3
 Client ID : WG2115254-3 DUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115254.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/10/25 10:05
 Date Received : 09/10/25
 Date Analyzed : 09/16/25 07:39
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	360	13	4.0	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115254-4
Client ID : 8ADUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540C
Lab File ID : WG2115254.pdf
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 12:45
Date Received : 09/09/25
Date Analyzed : 09/16/25 07:39
Dilution Factor : 1.3
Analyst : SMD
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	170	13	4.0	



Sample Raw Data

WorkGroup	WG2115254		Temp In (C)		180	Temp In (C)		180	Temp In (C)		180	Temp In (C)		Temp In (C)			
Title	Solids, Total Dissolved		Temp Out (C)		180	Temp Out (C)		180	Temp Out (C)		180	Temp Out (C)		Temp Out (C)			
Method	SM2540C		Time In		17-SEP-25 10:20	Time In		17-SEP-25 13:12	Time In		17-SEP-25 16:10	Time In		Time In			
Instrument	BALANCE#22		Time Out		17-SEP-25 12:25	Time Out		17-SEP-25 15:20	Time Out		17-SEP-25 17:05	Time Out		Time Out			
												LCS Lot #	082025-C	TrueValue	500	Units	mg/l
			Evaporation	Temp In (C)	Time In												
				90	16-SEP-25 11:34												
Sample #	Analysis Date	Analyst	Cup ID	Filter Lot	Tare Weight (gm)	Sample Volume (ml)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Net Weight (5) (gm)	Result mg/L	Dil	Comment			
L2556228-14	16-SEP-25 07:39	SONJA DAYN	BL	84417960	108.4352	80	108.4638	108.4637				356.25	1.3				
L2556228-15	16-SEP-25 07:39	SONJA DAYN	CV	84417960	72.4778	80	72.4902	72.4901				153.75	1.3				
L2556228-16	16-SEP-25 07:39	SONJA DAYN	BQ	84417960	126.0331	65	126.057	126.0574				367.69	1.5	matrix			
L2556228-17	16-SEP-25 07:39	SONJA DAYN	SE	84417960	111.1365	80	111.1613	111.1614				310.00	1.3				
L2556228-18	16-SEP-25 07:39	SONJA DAYN	C1	84417960	65.7589	80	65.7997	65.8001				510.00	1.3				
L2556228-19	16-SEP-25 07:39	SONJA DAYN	R1	84417960	67.4363	80	67.4518	67.4518				193.75	1.3				
L2556676-05	16-SEP-25 07:39	SONJA DAYN	R3	84417960	78.0284	80	78.0418	78.0419				167.50	1.3				
L2556676-06	16-SEP-25 07:39	SONJA DAYN	CF	84417960	62.186	80	62.1969	62.1972				136.25	1.3				
L2556676-07	16-SEP-25 07:39	SONJA DAYN	A5	84417960	63.9817	80	63.9952	63.9954				168.75	1.3	T2			
L2556676-08	16-SEP-25 07:39	SONJA DAYN	BM	84417960	113.1169	80	113.1286	113.1288				146.25	1.3				
L2556676-09	16-SEP-25 07:39	SONJA DAYN	EI	84417960	67.2727	80	67.2846	67.2844				146.25	1.3				
L2556676-10	16-SEP-25 07:39	SONJA DAYN	C8	84417960	60.4942	80	60.5023	60.5027				101.25	1.3				
L2556676-11	16-SEP-25 07:39	SONJA DAYN	EK	84417960	63.7768	80	63.7862	63.7864				117.50	1.3				
L2556676-12	16-SEP-25 07:39	SONJA DAYN	K8	84417960	66.4301	80	66.4461	66.4464				200.00	1.3				
L2556715-08	16-SEP-25 07:39	SONJA DAYN	BU	84417960	106.7261	80	106.903	106.9026				2206.25	1.3				
L2557215-01	16-SEP-25 07:39	SONJA DAYN	EM	84417960	62.7579	80	62.8547	62.8544				1206.25	1.3				
L2557215-02	16-SEP-25 07:39	SONJA DAYN	K5	84417960	66.5249	80	66.5886	66.5882				791.25	1.3				
L2557918-01	16-SEP-25 07:39	SONJA DAYN	V8	84417960	62.4276	35	62.5991	62.5995				4900.00	2.9				
L2558089-01	16-SEP-25 07:39	SONJA DAYN	K2	84417960	63.027	80	63.6101	63.6036	63.6004			7167.50	1.3				
L2558089-02	16-SEP-25 07:39	SONJA DAYN	CH	84417960	67.2659	80	67.8591	67.8525	67.848			7276.25	1.3				
WG2115254-1	16-SEP-25 07:39	SONJA DAYN	ZZ	84417960	64.9168	100	64.9173	64.917				2.00	1				
WG2115254-2	16-SEP-25 07:39	SONJA DAYN	BV	84417960	109.4787	50	109.5043	109.504				506.00	2				

WorkGroup	WG2115254			Temp In (C)	180		Temp In (C)	180		Temp In (C)	180		Temp In (C)				
Title	Solids, Total Dissolved			Temp Out (C)	180		Temp Out (C)	180		Temp Out (C)	180		Temp Out (C)				
Method	SM2540C			Time In	17-SEP-25 10:20		Time In	17-SEP-25 13:12		Time In	17-SEP-25 16:10		Time In				
Instrument	BALANCE#22			Time Out	17-SEP-25 12:25		Time Out	17-SEP-25 15:20		Time Out	17-SEP-25 17:05		Time Out				

WorkGroup	WG2114913			Temp In (C)	180		Temp In (C)	180		Temp In (C)		Temp In (C)		Temp In (C)	
Title	Solids, Total Dissolved			Temp Out (C)	180		Temp Out (C)	180		Temp Out (C)		Temp Out (C)		Temp Out (C)	
Method	SM2540C			Time In	16-SEP-25 09:20		Time In	16-SEP-25 12:23		Time In		Time In		Time In	
Instrument	BALANCE#22			Time Out	16-SEP-25 11:30		Time Out	16-SEP-25 14:45		Time Out		Time Out		Time Out	
				Evaporation	Temp In (C)	Time In						LCS Lot #	TrueValue	Units	
					90	15-SEP-25 15:00						082025-C	500	mg/l	
Sample #	Analysis Date	Analyst	Cup ID	Filter Lot	Tare Weight (gm)	Sample Volume (ml)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Net Weight (5) (gm)	Result mg/L	Dil	Comment	
L2556673-01	15-SEP-25 12:53	SONJA DAYN	Z11	84417960	68.6622	80	68.6828	68.6831				257.50	1.3		
L2556673-02	15-SEP-25 12:53	SONJA DAYN	EU	84417960	63.4712	80	63.5034	63.5032				400.00	1.3		
L2556673-03	15-SEP-25 12:53	SONJA DAYN	C9	84417960	67.418	80	67.4438	67.4441				322.50	1.3		
L2556673-04	15-SEP-25 12:53	SONJA DAYN	EP	84417960	64.1762	80	64.2052	64.2054				362.50	1.3		
L2556673-05	15-SEP-25 12:53	SONJA DAYN	C6	84417960	68.8978	80	68.9444	68.9441				578.75	1.3		
L2556673-06	15-SEP-25 12:53	SONJA DAYN	L7	84417960	64.3704	80	64.4172	64.4172				585.00	1.3		
L2556673-07	15-SEP-25 12:53	SONJA DAYN	Z24	84417960	66.0358	100	66.0362	66.0365				4.00	1	fb?	
L2556674-01	15-SEP-25 12:53	SONJA DAYN	C2	84417960	68.1623	40	68.1682	68.1686				147.50	2.5	mat	
L2556674-02	15-SEP-25 12:53	SONJA DAYN	EZ	84417960	66.5112	50	66.5243	66.5244				262.00	2	T2 mat	
L2556674-03	15-SEP-25 12:53	SONJA DAYN	BE	84417960	66.7374	80	66.7482	66.7482				135.00	1.3		
L2556674-04	15-SEP-25 12:53	SONJA DAYN	Z4	84417960	106.2314	80	106.2557	106.2554				300.00	1.3		
L2556674-05	15-SEP-25 12:53	SONJA DAYN	SE	84417960	83.8567	80	83.8744	83.8741				217.50	1.3		
L2556676-02	15-SEP-25 12:53	SONJA DAYN	A1	84417960	75.0657	80	75.0766	75.0766				136.25	1.3		
L2556676-03	15-SEP-25 12:53	SONJA DAYN	AS	84417960	81.3161	80	81.3297	81.3297				170.00	1.3		
L2556676-04	15-SEP-25 12:53	SONJA DAYN	PR	84417960	103.1357	80	103.1464	103.1464				133.75	1.3		
L2556697-06	15-SEP-25 12:53	SONJA DAYN	QF	84417960	116.5944	80	116.6014	116.6014				87.50	1.3		
L2556697-07	15-SEP-25 12:53	SONJA DAYN	QM	84417960	106.8113	80	106.8192	106.8195				98.75	1.3		
L2556697-08	15-SEP-25 12:53	SONJA DAYN	PT	84417960	109.4216	80	109.4416	109.4417				250.00	1.3		
L2556697-09	15-SEP-25 12:53	SONJA DAYN	XX	84417960	112.5995	80	112.6067	112.6071				90.00	1.3		
L2557054-02	15-SEP-25 12:53	SONJA DAYN	RK	84417960	84.0294	25	84.2969	84.2973				10700.00	4	mat	
WG2114913-1	15-SEP-25 12:53	SONJA DAYN	Z12	84417960	65.7401	100	65.7395	65.7398				-6.00	1		
WG2114913-2	15-SEP-25 12:53	SONJA DAYN	X9	84417960	60.9416	50	60.966	60.9663				488.00	2		
WG2114913-3	15-SEP-25 12:53	SONJA DAYN	V1	84417960	63.4702	80	63.4948	63.4951				307.50	1.3		

WorkGroup	WG2114913			Temp In (C) 180		Temp In (C) 180		Temp In (C)		Temp In (C)		Temp In (C)	
	Title Solids, Total Dissolved			Temp Out (C) 180		Temp Out (C) 180		Temp Out (C)		Temp Out (C)		Temp Out (C)	
	Method SM2540C			Time In 16-SEP-25 09:20		Time In 16-SEP-25 12:23		Time In		Time In		Time In	
	Instrument BALANCE#22			Time Out 16-SEP-25 11:30		Time Out 16-SEP-25 14:45		Time Out		Time Out		Time Out	
										LCS Lot # 082025-C	TrueValue 500	Units mg/l	
Sample #	Analysis Date	Analyst	Cup ID			Sample Volume (ml)				Result mg/L	Dil	Comment	
WG2114913-4	15-SEP-25 12:53	SONJA DAYN	EE 84417960	70.3785	80	70.4077	70.4077			365.00	1.3		

Quality Control

Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/15/25 12:53
Dup Sample ID	: WG2114913-3	DUP Analysis Date	: 09/15/25 12:53

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	320	310	3	10



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/15/25 12:53
Dup Sample ID	: WG2114913-4	DUP Analysis Date	: 09/15/25 12:53

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	360	360	0	10



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/16/25 07:39
Dup Sample ID	: WG2115254-3	DUP Analysis Date	: 09/16/25 07:39

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	360	360	0	10



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 8A	Matrix	: WATER
Lab Sample ID	: L2556676-09	Analysis Date	: 09/16/25 07:39
Dup Sample ID	: WG2115254-4	DUP Analysis Date	: 09/16/25 07:39

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	150	170	13 Q	10



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2114913-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/15/25 12:53
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Solids, Total Dissolved	500.	490.	98.					80-120	10



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2115254-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/16/25 07:39
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Solids, Total Dissolved	500.	510.	101.					80-120	10



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of TDS

$$\text{mgTDS/L} = \frac{(A - B) \times 1000}{\text{Sample volume, (L)}}$$

Where:

A = Final weight (weight of dish + dried residue, g)

B = Initial weight (weight of clean dish, g)

Sulfate Analysis

Results

Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-02
Client ID : 3A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117096.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:40
Date Received : 09/09/25
Date Analyzed : 09/19/25 12:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	18.	10	1.4	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-03
Client ID : 3B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117096.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:50
Date Received : 09/09/25
Date Analyzed : 09/19/25 12:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	16.	10	1.4	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-04
Client ID : DUP001
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117096.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:45
Date Received : 09/09/25
Date Analyzed : 09/19/25 12:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	17.	10	1.4	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-05
Client ID : 4A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117096.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 09:55
Date Received : 09/09/25
Date Analyzed : 09/19/25 12:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	23.	10	1.4	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-06
Client ID : 4B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117096.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 10:55
Date Received : 09/09/25
Date Analyzed : 09/19/25 12:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	18.	10	1.4	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-07
Client ID : 2A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117096.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 11:45
Date Received : 09/09/25
Date Analyzed : 09/19/25 12:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	14.	10	1.4	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-08
Client ID : 2B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117096.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 11:55
Date Received : 09/09/25
Date Analyzed : 09/19/25 12:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	19.	10	1.4	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-09
Client ID : 8A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117096.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 12:45
Date Received : 09/09/25
Date Analyzed : 09/19/25 12:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	13.	10	1.4	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-10
Client ID : 8B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117096.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 13:05
Date Received : 09/09/25
Date Analyzed : 09/19/25 12:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	9.0	10	1.4	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-11
Client ID : 9A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117096.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 14:10
Date Received : 09/09/25
Date Analyzed : 09/19/25 12:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	9.6	10	1.4	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-12
Client ID : 9B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117096.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 14:30
Date Received : 09/09/25
Date Analyzed : 09/19/25 12:30
Dilution Factor : 2
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	33.	20	2.7	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2117096-1
Client ID : WG2117096-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117096.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/19/25 12:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	2.1	10	1.4	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2117096-3
Client ID : 8ADUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117096.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 12:45
Date Received : 09/09/25
Date Analyzed : 09/19/25 12:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	13.	10	1.4	



Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
S U L F A T E

Last Change 3/5/13
File SO4-L.xlt
Curve/spike/ccv;WC-3646
LCS;WC-3587
Reagent;lot A4230

Sample Number: _____ Product: SO4-4500
Curve Calibration Date : 09/19/25
Client: _____ Curve Identifier: 9/19/2025
Analysis: Sulfate, SO4 Analysis Analyte: Sulfate
Method: SM 4500SO4-E Analysis Date: 9/19/2025 12:30
Instrument: SPEC6 Preparation Date: 9/19/2025 12:30
Wavelength: 420 nm Technician: MRW
Spike Volume(ml): 0.5 Work group: WG2117096
Spike Concentration (mg/l): 1000 RL: 10 mg/l
Cell: 2.5 cm

Standard ID	Mean signal (pk area) abs	Dilution	Calc-ed Result	Calibration Curve Volume: 25 ml
0	0.000	1.0	1.84	Slope y-intercept
10	0.126	1.0	8.06	0.020240 -0.0372
20	0.352	1.0	19.2	
40	0.790	1.0	40.9	Correlation Coefficient 0.995190
ICV/LCS Concentration (mg/l) = 20.0000				

	Sample number	Sample Volume (ml)	Final Volume (ml)	Bkgd. Abs.	Gross Abs.	Net Absorbance	RESULT (mg/l)	Dilution Factor	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	25	25	0	0.003	0.003	2.135	1	1.0	2.1	Recovery
	ICV	25	25	0	0.407	0.407	21.904	1	1.0	21.9	110%
SAMP	L2556338-01	25	25	0.03	0.025	-0.005	1.744	1	1.0	1.7	
SAMP	L2556338-03	12.5	25	0.012	0.347	0.335	18.381	1	2.0	36.8	
SAMP	L2556338-05	10	25	0.008	0.366	0.358	19.506	1	2.5	48.8	
SAMP	L2556338-07	25	25	0.003	0.26	0.257	14.564	1	1.0	14.6	
SAMP	L2556338-09	25	25	0.054	0.068	0.014	2.673	1	1.0	2.7	
SAMP	L2556338-11	25	25	0.039	0.357	0.318	17.549	1	1.0	17.5	FILTERED
SAMP	L2556338-13	25	25	0.029	0.784	0.755	38.933	1	1.0	38.9	FILTERED
SAMP	L2556338-15	25	25	0.105	0.653	0.548	28.804	1	1.0	28.8	
SAMP	L2556676-02	25	25	0.008	0.329	0.321	17.696	1	1.0	17.7	
SAMP	L2556676-03	25	25	0.005	0.29	0.285	15.934	1	1.0	15.9	
	CCV1	25	25	0	0.406	0.406	21.855	1	1.0	21.9	
	CCB1	25	25	0	0.003	0.003	2.135	1	1.0	2.1	
SAMP	L2556676-04	25	25	0.001	0.306	0.305	16.913	1	1.0	16.9	
SAMP	L2556676-05	25	25	0.002	0.431	0.429	22.980	1	1.0	23.0	
SAMP	L2556676-06	25	25	0.007	0.326	0.319	17.598	1	1.0	17.6	
SAMP	L2556676-07	25	25	0.007	0.243	0.236	13.536	1	1.0	13.5	
SAMP	L2556676-08	25	25	0	0.339	0.339	18.577	1	1.0	18.6	
SAMP	L2556676-09	25	25	0.001	0.234	0.233	13.390	1	1.0	13.4	
SAMP	L2556676-10	25	25	0.025	0.169	0.144	9.035	1	1.0	9.0	
SAMP	L2556676-11	25	25	0.001	0.157	0.156	9.622	1	1.0	9.6	
	CCV2	25	25	0	0.408	0.408	21.953	1	1.0	22.0	
	CCB2	25	25	0	0.004	0.004	2.184	1	1.0	2.2	
SAMP	L2556676-12	12.5	25	0.009	0.301	0.292	16.277	1	2.0	32.6	
SAMP	L2556727-01	1	25	0.008	0.52	0.512	27.042	1	25.0	676.0	
	CCV3	25	25	0	0.405	0.405	21.806	1	1.0	21.8	
	CCB3	25	25	0	0.007	0.007	2.331	1	1.0	2.3	
BLANK	WG2117096-1	25	25	0.000	0.003	0.003	2.135	1	1.0	2.1	
DUP	WG2117096-3	25	25	0	0.222	0.222	12.851	1	1.0	12.9	L2556676-09
	sample	Final	Bkgd.	Gross		Sample	Spiked	Spike conc.	Spike	Recovery	
	Sample number	volume	volume (ml)	Abs.	Absorbance	Result mg/l	Volume	mg/l	Result mg/l	%	
MS	WG2117096-4	12.5	25	0	0.519	0.519	13.400	12.5	40.0000	55	103
											L2556676-09
LCS	WG2117096-2	25	25	0	0.407	0.407		1	20.0000	22	110

Quality Control

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 8A
 Lab Sample ID : L2556676-09
 Matrix Spike : WG2117096-4
 Matrix Spike Dup :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/19/25 12:30
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Sulfate	13.	40	55.	105					55-147	14



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 8A	Matrix	: WATER
Lab Sample ID	: L2556676-09	Analysis Date	: 09/19/25 12:30
Dup Sample ID	: WG2117096-3	DUP Analysis Date	: 09/19/25 12:30

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Sulfate	13.	13.	0	14



Form 7
Laboratory Control Sample

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Client Sample ID : NA
Lab Sample ID : WG2117096-2
Dup Sample ID :

Lab Number : L2556676
Project Number : BSD1504
Matrix : WATER
LCS Analysis Date : 09/19/25 12:30
LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Sulfate	20.0	22.0	110.					90-110	14



WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Sulfate

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve.

$$\text{mgSO}_4/\text{L} = \frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

If sample has a background absorbance, it has to be subtracted before calculation.

Alkalinity Analysis

Results

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-02
 Client ID : 3A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:40
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 12:49
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	63.2	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-03
 Client ID : 3B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:50
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 12:52
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	93.1	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-04
 Client ID : DUP001
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:45
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 12:55
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	62.3	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-05
 Client ID : 4A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 09:55
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 12:57
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	73.4	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-06
 Client ID : 4B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 10:55
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 13:00
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	59.2	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-07
 Client ID : 2A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:45
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 13:02
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	71.3	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-08
 Client ID : 2B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:55
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 13:05
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	69.7	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-09
 Client ID : 8A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 12:45
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 13:08
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	33.3	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-10
 Client ID : 8B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 13:05
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 13:12
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	26.1	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-11
 Client ID : 9A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:10
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 13:13
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	20.6	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-12
 Client ID : 9B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:30
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 13:15
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	62.9	2.00	NA	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2118356-1
Client ID : WG2118356-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2320B
Lab File ID : ALK250923-2
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/23/25 12:48
Dilution Factor : 1
Analyst : MRW
Instrument ID : TITR5
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	ND	2.00	NA	U



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2118356-3
Client ID : 8ADUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2320B
Lab File ID : ALK250923-2
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 12:45
Date Received : 09/09/25
Date Analyzed : 09/23/25 13:10
Dilution Factor : 1
Analyst : MRW
Instrument ID : TITR5
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
71-52-3	Alkalinity, Bicarbonate	33.5	2.00	NA	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U



Sample Raw Data

Titration report

LabX

Method

Method ID	pH Cal. 7 4 10	Release state	Released
Name	Calibration	Modified by	SystemInternal
Modified on	10/3/2023 12:47:09 PM		

Summary

Samples

	Sample ID	Name	Result	State
1	METTLER TOLEDO (Ref. 25°C) pH	pH	7.00	
2	METTLER TOLEDO (Ref. 25°C) pH	pH	4.01	
3	METTLER TOLEDO (Ref. 25°C) pH	pH	10.00	

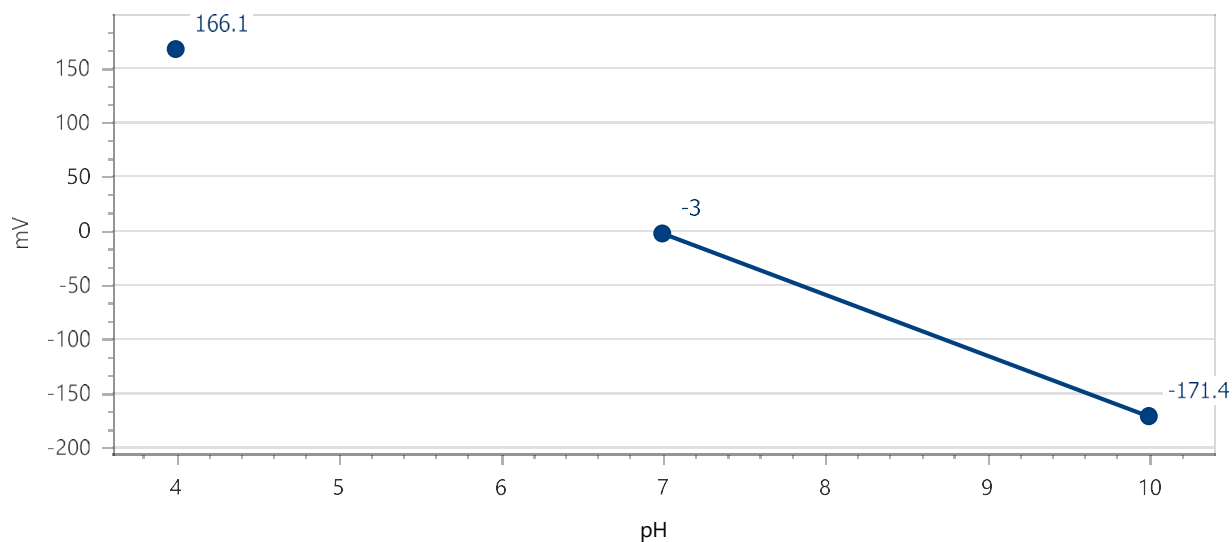
Results

Zero point 1 Cal1.Z1 6.954 pH
Slope 1 Cal1.S1 -56.34 mV/pH

Calibration

Sensor Sensor DG111-SC
Creation time 9/23/2025 8:29:39 AM
Overall state OK
Successful Yes
Calib. temperature 25.0 °C
SLOPECal -56.34 mV/pH
ZEROCal 6.954 pH

Calibration Curve



Used Instruments

Titration report



Name	T7 Excellence Titrator	Serial number	C329519495
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Responsible User

Time	Login name	Full name
9/23/2025 8:25:10 AM	SystemInternal	System internal account

Titration report



Method

Method ID	pH Measure	Release state	Released
Name	Measure	Modified by	SystemInternal
Modified on	2/23/2024 9:31:05 AM		

Summary

Samples

Sample ID	Name	Result	State
1	Sample size	0 mL	
	Potential R1	6.99 pH	OK

Used Instruments

Name	T7 Excellence Titrator	Serial number	C329519495
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Responsible User

Time	Login name	Full name
9/23/2025 8:25:16 AM	SystemInternal	System internal account

Titration report



Method

Method ID	Alk Total (2)	Release state	Released
Name	EP/EP	Modified by	SystemInternal
Modified on	3/26/2025 11:25:13 AM		

Summary

Samples

Sample ID	Name	Result	State
1	Rinse,MRW	Sample size	50 mL
	Potential R4	7.20 pH	OK
	Consumption 8.3 R1	NaN mL	Not OK
	Consumption 4.5 R2	1.177 mL	OK
	Consumption 4.2 R3	1.181 mL	OK
	Content R5	23.540 mg/L	OK
	ALK LOW R6	23.460 mg/L	OK
2	Rinse,MRW	Sample size	50 mL
	Potential R4	5.94 pH	OK
	Consumption 8.3 R1	NaN mL	Not OK
	Consumption 4.5 R2	0.192 mL	OK
	Consumption 4.2 R3	0.202 mL	OK
	Content R5	3.840 mg/L	OK
	ALK LOW R6	3.640 mg/L	OK
3	WG2118353-1	Sample size	50 mL
	Potential R4	5.26 pH	OK
	Consumption 8.3 R1	NaN mL	Not OK
	Consumption 4.5 R2	0.063 mL	OK
	Consumption 4.2 R3	0.093 mL	OK
	Content R5	1.260 mg/L	OK
	ALK LOW R6	0.660 mg/L	OK
4	WG2118353-2	Sample size	50 mL
	Potential R4	10.86 pH	OK
	Consumption 8.3 R1	4.785 mL	OK
	Consumption 4.5 R2	5.186 mL	OK
	Consumption 4.2 R3	5.189 mL	OK
	Content R5	103.720 mg/L	OK
	ALK LOW R6	103.660 mg/L	OK
5	L2559562-01 50x	Sample size	50 mL
	Potential R4	5.93 pH	OK
	Consumption 8.3 R1	NaN mL	Not OK
	Consumption 4.5 R2	1.533 mL	OK
	Consumption 4.2 R3	2.036 mL	OK
	Content R5	30.660 mg/L	OK
	ALK LOW R6	20.600 mg/L	OK
6	L2559565-03 50x	Sample size	50 mL

Titration report

LabX

		Potential R4	5.56 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.507 mL	OK
		Consumption 4.2 R3	3.530 mL	OK
		Content R5	70.140 mg/L	OK
		ALK LOW R6	69.680 mg/L	OK
7	L2556715-10 2x	Sample size	50 mL	
		Potential R4	6.05 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	13.785 mL	OK
		Consumption 4.2 R3	13.918 mL	OK
		Content R5	275.700 mg/L	OK
		ALK LOW R6	273.040 mg/L	OK
8	L2556715-11 2x	Sample size	50 mL	
		Potential R4	6.23 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	20.909 mL	OK
		Consumption 4.2 R3	21.165 mL	OK
		Content R5	418.180 mg/L	OK
		ALK LOW R6	413.060 mg/L	OK
9	L2556715-12 2x	Sample size	50 mL	
		Potential R4	6.06 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	14.022 mL	OK
		Consumption 4.2 R3	14.150 mL	OK
		Content R5	280.440 mg/L	OK
		ALK LOW R6	277.880 mg/L	OK
10	L2556716-01 5x	Sample size	50 mL	
		Potential R4	6.84 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	14.597 mL	OK
		Consumption 4.2 R3	14.737 mL	OK
		Content R5	291.940 mg/L	OK
		ALK LOW R6	289.140 mg/L	OK
11	L2556716-02 5x	Sample size	50 mL	
		Potential R4	5.95 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	8.780 mL	OK
		Consumption 4.2 R3	8.864 mL	OK
		Content R5	175.600 mg/L	OK
		ALK LOW R6	173.920 mg/L	OK
12	L2556673-01	Sample size	50 mL	
		Potential R4	4.97 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.594 mL	OK
		Consumption 4.2 R3	0.657 mL	OK
		Content R5	11.880 mg/L	OK

Titration report

LabX

13	L2556673-02	ALK LOW R6	10.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.20 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.419 mL	OK
		Consumption 4.2 R3	1.469 mL	OK
		Content R5	28.380 mg/L	OK
14	L2556673-03	ALK LOW R6	27.380 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.50 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.837 mL	OK
		Consumption 4.2 R3	4.954 mL	OK
		Content R5	96.740 mg/L	OK
15	L2556673-04	ALK LOW R6	94.400 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.87 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	11.934 mL	OK
		Consumption 4.2 R3	12.156 mL	OK
		Content R5	238.680 mg/L	OK
16	WG2118353-3	ALK LOW R6	234.240 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.83 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	11.796 mL	OK
		Consumption 4.2 R3	12.008 mL	OK
		Content R5	235.920 mg/L	OK
17	WG2118353-4	ALK LOW R6	231.680 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.99 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	17.157 mL	OK
		Consumption 4.2 R3	17.393 mL	OK
		Content R5	343.140 mg/L	OK
18	L2556673-05	ALK LOW R6	338.420 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.68 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.474 mL	OK
		Consumption 4.2 R3	7.635 mL	OK
		Content R5	149.480 mg/L	OK
19	L2556673-06	ALK LOW R6	146.260 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.70 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.446 mL	OK

Titration report

LabX

20	L2556673-07	Consumption 4.2 R3	7.647 mL	OK
		Content R5	148.920 mg/L	OK
		ALK LOW R6	144.900 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.26 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.230 mL	OK
		Consumption 4.2 R3	0.244 mL	OK
		Content R5	4.600 mg/L	OK
		ALK LOW R6	4.320 mg/L	OK
21	L2556485-01	Sample size	50 mL	
		Potential R4	8.79 pH	OK
		Consumption 8.3 R1	2.538 mL	OK
		Consumption 4.5 R2	5.142 mL	OK
		Consumption 4.2 R3	5.147 mL	OK
		Content R5	102.840 mg/L	OK
		ALK LOW R6	102.740 mg/L	OK
		Sample size	50 mL	
		Potential R4	10.76 pH	OK
		Consumption 8.3 R1	4.695 mL	OK
22	WG2118355-2	Consumption 4.5 R2	5.162 mL	OK
		Consumption 4.2 R3	5.164 mL	OK
		Content R5	103.240 mg/L	OK
		ALK LOW R6	103.200 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.25 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.074 mL	OK
		Consumption 4.2 R3	0.088 mL	OK
		Content R5	1.480 mg/L	OK
23	WG2118355-1	ALK LOW R6	1.200 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.37 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	17.087 mL	OK
		Consumption 4.2 R3	17.256 mL	OK
		Content R5	341.740 mg/L	OK
		ALK LOW R6	338.360 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.42 pH	OK
24	L2556865-01	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	17.003 mL	OK
		Consumption 4.2 R3	17.179 mL	OK
		Content R5	340.060 mg/L	OK
		ALK LOW R6	336.540 mg/L	OK
		Sample size	50 mL	
		Potential R4	8.92 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	17.003 mL	OK
		Consumption 4.2 R3	17.179 mL	OK
25	WG2118355-3	Content R5	340.060 mg/L	OK
		ALK LOW R6	336.540 mg/L	OK
		Sample size	50 mL	
		Potential R4	8.92 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	17.003 mL	OK
		Consumption 4.2 R3	17.179 mL	OK
		Content R5	340.060 mg/L	OK
		ALK LOW R6	336.540 mg/L	OK
		Sample size	50 mL	
26	WG2118355-4	Potential R4	8.92 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	17.003 mL	OK
		Consumption 4.2 R3	17.179 mL	OK
		Content R5	340.060 mg/L	OK
		ALK LOW R6	336.540 mg/L	OK
		Sample size	50 mL	
		Potential R4	8.92 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	17.003 mL	OK

Titration report

LabX

		Consumption 8.3 R1	2.701 mL	OK
		Consumption 4.5 R2	21.883 mL	OK
		Consumption 4.2 R3	22.073 mL	OK
		Content R5	437.660 mg/L	OK
		ALK LOW R6	433.860 mg/L	OK
27	L2556865-02	Sample size	50 mL	
		Potential R4	7.88 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	16.396 mL	OK
		Consumption 4.2 R3	16.546 mL	OK
		Content R5	327.920 mg/L	OK
		ALK LOW R6	324.920 mg/L	OK
28	CCV	Sample size	50 mL	
		Potential R4	11.04 pH	OK
		Consumption 8.3 R1	4.820 mL	OK
		Consumption 4.5 R2	5.174 mL	OK
		Consumption 4.2 R3	5.174 mL	OK
		Content R5	103.480 mg/L	OK
		ALK LOW R6	103.480 mg/L	OK
29	WG2118356-1	Sample size	50 mL	
		Potential R4	5.56 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.100 mL	OK
		Consumption 4.2 R3	0.130 mL	OK
		Content R5	2.000 mg/L	OK
		ALK LOW R6	1.400 mg/L	OK
30	L2556676-02	Sample size	50 mL	
		Potential R4	5.53 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.159 mL	OK
		Consumption 4.2 R3	3.175 mL	OK
		Content R5	63.180 mg/L	OK
		ALK LOW R6	62.860 mg/L	OK
31	L2556676-03	Sample size	50 mL	
		Potential R4	5.67 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.653 mL	OK
		Consumption 4.2 R3	4.682 mL	OK
		Content R5	93.060 mg/L	OK
		ALK LOW R6	92.480 mg/L	OK
32	L2556676-04	Sample size	50 mL	
		Potential R4	5.59 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.114 mL	OK
		Consumption 4.2 R3	3.128 mL	OK
		Content R5	62.280 mg/L	OK
		ALK LOW R6	62.000 mg/L	OK

Titration report

LabX

33	L2556676-05	Sample size	50 mL	
		Potential R4	5.71 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.671 mL	OK
		Consumption 4.2 R3	3.691 mL	OK
		Content R5	73.420 mg/L	OK
		ALK LOW R6	73.020 mg/L	OK
34	L2556676-06	Sample size	50 mL	
		Potential R4	5.66 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.959 mL	OK
		Consumption 4.2 R3	2.975 mL	OK
		Content R5	59.180 mg/L	OK
		ALK LOW R6	58.860 mg/L	OK
35	L2556676-07	Sample size	50 mL	
		Potential R4	5.66 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.566 mL	OK
		Consumption 4.2 R3	3.582 mL	OK
		Content R5	71.320 mg/L	OK
		ALK LOW R6	71.000 mg/L	OK
36	L2556676-08	Sample size	50 mL	
		Potential R4	5.63 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.485 mL	OK
		Consumption 4.2 R3	3.505 mL	OK
		Content R5	69.700 mg/L	OK
		ALK LOW R6	69.300 mg/L	OK
37	L2556676-09	Sample size	50 mL	
		Potential R4	5.43 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.667 mL	OK
		Consumption 4.2 R3	1.687 mL	OK
		Content R5	33.340 mg/L	OK
		ALK LOW R6	32.940 mg/L	OK
38	WG2118356-3	Sample size	50 mL	
		Potential R4	5.45 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.674 mL	OK
		Consumption 4.2 R3	1.695 mL	OK
		Content R5	33.480 mg/L	OK
		ALK LOW R6	33.060 mg/L	OK
39	L2556676-10	Sample size	50 mL	
		Potential R4	5.40 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.304 mL	OK
		Consumption 4.2 R3	1.318 mL	OK

Titration report

LabX

40	L2556676-11	Content R5	26.080 mg/L	OK
		ALK LOW R6	25.800 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.25 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.028 mL	OK
		Consumption 4.2 R3	1.057 mL	OK
		Content R5	20.560 mg/L	OK
41	L2556676-12	ALK LOW R6	19.980 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.45 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.147 mL	OK
		Consumption 4.2 R3	3.153 mL	OK
		Content R5	62.940 mg/L	OK
		ALK LOW R6	62.820 mg/L	OK
42	L2556673-07	Sample size	50 mL	
		Potential R4	5.48 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.154 mL	OK
		Consumption 4.2 R3	0.177 mL	OK
		Content R5	3.080 mg/L	OK
		ALK LOW R6	2.620 mg/L	OK
43	CCV	Sample size	50 mL	
		Potential R4	11.22 pH	OK
		Consumption 8.3 R1	4.905 mL	OK
		Consumption 4.5 R2	5.217 mL	OK
		Consumption 4.2 R3	5.218 mL	OK
		Content R5	104.340 mg/L	OK
		ALK LOW R6	104.320 mg/L	OK
44	CCB	Sample size	50 mL	
		Potential R4	5.66 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.111 mL	OK
		Consumption 4.2 R3	0.149 mL	OK
		Content R5	2.220 mg/L	OK
		ALK LOW R6	1.460 mg/L	OK
45	L2557076-02	Sample size	50 mL	
		Potential R4	5.48 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.108 mL	OK
		Consumption 4.2 R3	0.161 mL	OK
		Content R5	2.160 mg/L	OK
		ALK LOW R6	1.100 mg/L	OK
46	L2557076-03	Sample size	50 mL	
		Potential R4	5.63 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK

Titration report

LabX

		Consumption 4.5 R2	3.115 mL	OK
		Consumption 4.2 R3	3.131 mL	OK
		Content R5	62.300 mg/L	OK
		ALK LOW R6	61.980 mg/L	OK
47	L2557076-04	Sample size	50 mL	
		Potential R4	5.48 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.025 mL	OK
		Consumption 4.2 R3	2.042 mL	OK
		Content R5	40.500 mg/L	OK
		ALK LOW R6	40.160 mg/L	OK
48	L2557076-05	Sample size	50 mL	
		Potential R4	5.78 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.899 mL	OK
		Consumption 4.2 R3	4.939 mL	OK
		Content R5	97.980 mg/L	OK
		ALK LOW R6	97.180 mg/L	OK
49	L2557076-06	Sample size	50 mL	
		Potential R4	5.61 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.859 mL	OK
		Consumption 4.2 R3	2.888 mL	OK
		Content R5	57.180 mg/L	OK
		ALK LOW R6	56.600 mg/L	OK
50	L2557076-07	Sample size	50 mL	
		Potential R4	5.97 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	8.371 mL	OK
		Consumption 4.2 R3	8.452 mL	OK
		Content R5	167.420 mg/L	OK
		ALK LOW R6	165.800 mg/L	OK
51	L2557076-08	Sample size	50 mL	
		Potential R4	5.98 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.771 mL	OK
		Consumption 4.2 R3	7.839 mL	OK
		Content R5	155.420 mg/L	OK
		ALK LOW R6	154.060 mg/L	OK
52	L2557076-09	Sample size	50 mL	
		Potential R4	5.40 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.943 mL	OK
		Consumption 4.2 R3	1.983 mL	OK
		Content R5	38.860 mg/L	OK
		ALK LOW R6	38.060 mg/L	OK
53	L2557076-10	Sample size	50 mL	

Titration report

LabX

		Potential R4	5.33 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.314 mL	OK
		Consumption 4.2 R3	1.335 mL	OK
		Content R5	26.280 mg/L	OK
		ALK LOW R6	25.860 mg/L	OK
54	L2556673-08	Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.066 mL	OK
		Consumption 4.2 R3	2.180 mL	OK
		Content R5	41.320 mg/L	OK
		ALK LOW R6	39.040 mg/L	OK
55	L2556673-09	Sample size	50 mL	
		Potential R4	5.02 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.640 mL	OK
		Consumption 4.2 R3	0.709 mL	OK
		Content R5	12.800 mg/L	OK
		ALK LOW R6	11.420 mg/L	OK
56	L2556673-10	Sample size	50 mL	
		Potential R4	5.38 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.262 mL	OK
		Consumption 4.2 R3	1.273 mL	OK
		Content R5	25.240 mg/L	OK
		ALK LOW R6	25.020 mg/L	OK
57	L2556673-11	Sample size	50 mL	
		Potential R4	4.98 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.353 mL	OK
		Consumption 4.2 R3	0.382 mL	OK
		Content R5	7.060 mg/L	OK
		ALK LOW R6	6.480 mg/L	OK
58	L2556673-12	Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.829 mL	OK
		Consumption 4.2 R3	0.844 mL	OK
		Content R5	16.580 mg/L	OK
		ALK LOW R6	16.280 mg/L	OK
59	CCV	Sample size	50 mL	
		Potential R4	11.04 pH	OK
		Consumption 8.3 R1	4.841 mL	OK
		Consumption 4.5 R2	5.156 mL	OK
		Consumption 4.2 R3	5.160 mL	OK
		Content R5	103.120 mg/L	OK

Titration report

LabX

60	CCB	ALK LOW R6	103.040 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.64 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.110 mL	OK
		Consumption 4.2 R3	0.139 mL	OK
		Content R5	2.200 mg/L	OK
61	L2556673-13	ALK LOW R6	1.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.08 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.493 mL	OK
		Consumption 4.2 R3	0.517 mL	OK
		Content R5	9.860 mg/L	OK
62	WG2118541-3	ALK LOW R6	9.380 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.13 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.456 mL	OK
		Consumption 4.2 R3	0.479 mL	OK
		Content R5	9.120 mg/L	OK
63	WG2118541-4	ALK LOW R6	8.660 mg/L	OK
		Sample size	50 mL	
		Potential R4	9.94 pH	OK
		Consumption 8.3 R1	3.386 mL	OK
		Consumption 4.5 R2	5.963 mL	OK
		Consumption 4.2 R3	5.968 mL	OK
		Content R5	119.260 mg/L	OK
64	L2556673-14	ALK LOW R6	119.160 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.35 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.026 mL	OK
		Consumption 4.2 R3	1.046 mL	OK
		Content R5	20.520 mg/L	OK
65	L2556673-15	ALK LOW R6	20.120 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.38 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.102 mL	OK
		Consumption 4.2 R3	0.144 mL	OK
		Content R5	2.040 mg/L	OK
66	L2558589-01	ALK LOW R6	1.200 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.34 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.985 mL	OK

Titration report

LabX

67	L2558072-01	Consumption 4.2 R3	0.998 mL	OK
		Content R5	19.700 mg/L	OK
		ALK LOW R6	19.440 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.69 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	6.259 mL	OK
		Consumption 4.2 R3	6.438 mL	OK
		Content R5	125.180 mg/L	OK
		ALK LOW R6	121.600 mg/L	OK
68	L2558072-02	Sample size	50 mL	
		Potential R4	5.86 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	8.043 mL	OK
		Consumption 4.2 R3	8.163 mL	OK
		Content R5	160.860 mg/L	OK
		ALK LOW R6	158.460 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.76 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
69	L2558072-03	Consumption 4.5 R2	6.864 mL	OK
		Consumption 4.2 R3	7.123 mL	OK
		Content R5	137.280 mg/L	OK
		ALK LOW R6	132.100 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.41 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.815 mL	OK
		Consumption 4.2 R3	0.848 mL	OK
		Content R5	16.300 mg/L	OK
70	L2558205-01	ALK LOW R6	15.640 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.92 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	13.353 mL	OK
		Consumption 4.2 R3	13.607 mL	OK
		Content R5	267.060 mg/L	OK
		ALK LOW R6	261.980 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.10 pH	OK
71	L2558205-02	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	20.079 mL	OK
		Consumption 4.2 R3	20.377 mL	OK
		Content R5	401.580 mg/L	OK
		ALK LOW R6	395.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.90 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	20.079 mL	OK
		Consumption 4.2 R3	20.377 mL	OK
72	L2558205-03	Content R5	401.580 mg/L	OK
		ALK LOW R6	395.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.90 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	20.079 mL	OK
		Consumption 4.2 R3	20.377 mL	OK
		Content R5	401.580 mg/L	OK
		ALK LOW R6	395.620 mg/L	OK
		Sample size	50 mL	
73	L2558085-12	Potential R4	5.90 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	20.079 mL	OK
		Consumption 4.2 R3	20.377 mL	OK
		Content R5	401.580 mg/L	OK
		ALK LOW R6	395.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.90 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	20.079 mL	OK

Titration report

LabX

74	L2557816-01	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.868 mL	OK
		Consumption 4.2 R3	7.966 mL	OK
		Content R5	157.360 mg/L	OK
		ALK LOW R6	155.400 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.18 pH	OK
75	L2557816-02	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	21.393 mL	OK
		Consumption 4.2 R3	21.762 mL	OK
		Content R5	427.860 mg/L	OK
		ALK LOW R6	420.480 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.27 pH	OK
76	L2557816-03	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
		Sample size	50 mL	
		Potential R4	6.21 pH	OK
77	L2557816-04	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	21.146 mL	OK
		Consumption 4.2 R3	21.561 mL	OK
		Content R5	422.920 mg/L	OK
		ALK LOW R6	414.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.64 pH	OK
78	L2557816-05	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	5.903 mL	OK
		Consumption 4.2 R3	6.025 mL	OK
		Content R5	118.060 mg/L	OK
		ALK LOW R6	115.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.32 pH	OK
79	L2558314-01	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.981 mL	OK
		Consumption 4.2 R3	1.010 mL	OK
		Content R5	19.620 mg/L	OK
		ALK LOW R6	19.040 mg/L	OK
		Sample size	50 mL	
		Potential R4	7.00 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK

Titration report

LabX

80	L2558314-02	Sample size	50 mL	
		Potential R4	5.95 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	5.794 mL	OK
		Consumption 4.2 R3	5.852 mL	OK
		Content R5	115.880 mg/L	OK
		ALK LOW R6	114.720 mg/L	OK
81	L2558314-03	Sample size	50 mL	
		Potential R4	5.15 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.456 mL	OK
		Consumption 4.2 R3	0.468 mL	OK
		Content R5	9.120 mg/L	OK
		ALK LOW R6	8.880 mg/L	OK
82	L2558314-04	Sample size	50 mL	
		Potential R4	5.98 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	13.158 mL	OK
		Consumption 4.2 R3	13.313 mL	OK
		Content R5	263.160 mg/L	OK
		ALK LOW R6	260.060 mg/L	OK
83	WG2118541-2	Sample size	50 mL	
		Potential R4	11.18 pH	OK
		Consumption 8.3 R1	9.368 mL	OK
		Consumption 4.5 R2	9.881 mL	OK
		Consumption 4.2 R3	9.884 mL	OK
		Content R5	197.620 mg/L	OK
		ALK LOW R6	197.560 mg/L	OK
84	WG2118541-1	Sample size	50 mL	
		Potential R4	5.08 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.066 mL	OK
		Consumption 4.2 R3	0.083 mL	OK
		Content R5	1.320 mg/L	OK
		ALK LOW R6	0.980 mg/L	OK
85	L2557816-02 10x	Sample size	50 mL	
		Potential R4	5.75 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.113 mL	OK
		Consumption 4.2 R3	7.189 mL	OK
		Content R5	142.260 mg/L	OK
		ALK LOW R6	140.740 mg/L	OK
86	L2558314-01 10x	Sample size	50 mL	
		Potential R4	5.72 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.856 mL	OK
		Consumption 4.2 R3	4.905 mL	OK

Titration report

LabX

87	WG2118541-2	Content R5	97.120 mg/L	OK
		ALK LOW R6	96.140 mg/L	OK
		Sample size	50 mL	
		Potential R4	11.23 pH	OK
		Consumption 8.3 R1	4.858 mL	OK
		Consumption 4.5 R2	5.181 mL	OK
88	WG2118541-1	Consumption 4.2 R3	5.185 mL	OK
		Content R5	103.620 mg/L	OK
		ALK LOW R6	103.540 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.26 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
89	CCV	Consumption 4.5 R2	0.074 mL	OK
		Consumption 4.2 R3	0.095 mL	OK
		Content R5	1.480 mg/L	OK
		ALK LOW R6	1.060 mg/L	OK
		Sample size	50 mL	
		Potential R4	10.94 pH	OK
90	CCB	Consumption 8.3 R1	4.663 mL	OK
		Consumption 4.5 R2	5.013 mL	OK
		Consumption 4.2 R3	5.013 mL	OK
		Content R5	100.260 mg/L	OK
		ALK LOW R6	100.260 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.04 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.074 mL	OK
		Consumption 4.2 R3	0.091 mL	OK
		Content R5	1.480 mg/L	OK
		ALK LOW R6	1.140 mg/L	OK

Statistics

R1

Mean	NaN mL	Minimum	2.538 mL
Maximum	9.368 mL	Rel. standard deviation	NaN %
Standard deviation	NaN mL	Samples excluded	0
Total samples	90		

R2

Mean	NaN mL	Minimum	0.063 mL
Maximum	21.883 mL	Rel. standard deviation	NaN %
Standard deviation	NaN mL	Samples excluded	0
Total samples	90		

R3

Titration report

LabX

Mean NaN mL
Maximum 22.073 mL
Standard deviation NaN mL
Total samples 90

Minimum 0.083 mL
Rel. standard deviation NaN %
Samples excluded 0

R4

Mean 6.30 pH
Maximum 11.23 pH
Standard deviation 1.69 pH
Total samples 90

Minimum 4.97 pH
Rel. standard deviation 26.830 %
Samples excluded 0

R5

Mean NaN mg/L
Maximum 437.660 mg/L
Standard deviation NaN mg/L
Total samples 90

Minimum 1.260 mg/L
Rel. standard deviation NaN %
Samples excluded 0

R6

Mean NaN mg/L
Maximum 433.860 mg/L
Standard deviation NaN mg/L
Total samples 90

Minimum 0.660 mg/L
Rel. standard deviation NaN %
Samples excluded 0

Used Instruments

Name T7 Excellence Titrator **Serial number** C329519495

Responsible User

Time	Login name	Full name
9/23/2025 9:08:55 AM	SystemInternal	System internal account

(17) Data compression on instrument occurred

Quality Control

Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 8A	Matrix	: WATER
Lab Sample ID	: L2556676-09	Analysis Date	: 09/23/25 13:08
Dup Sample ID	: WG2118356-3	DUP Analysis Date	: 09/23/25 13:10

Parameter	Sample Concentration (mg CaCO3/L)	Duplicate Concentration (mg CaCO3/L)	RPD	RPD Limit
Alkalinity, Carbonate	ND	ND	NC	10
Alkalinity, Bicarbonate	33.3	33.5	0	9



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Alkalinity

$$\text{Alkalinity, mg CaCO}_3/\text{L} = \frac{A \times N \times 50,000}{\text{mL Sample}}$$

Where:

A = mL of the standard acid titrated

N = normality of the standard acid

Results are calculated using Mettler Toledo software.

Standard sample size is 50mL, 0.02N Sulfuric acid for titration

ALKALINITY RELATIONSHIPS

Result of Titration	Hydroxide Alkalinity as CaCO ₃	Carbonate Alkalinity as CaCO ₃	Bicarbonate Alkalinity as CaCO ₃
P = 0	0	0	T
P < 1/2T	0	2P	T - 2P
P = 1/2T	0	2P	0
P > 1/2T	2P - T	2(T - P)	0

P = T T 0 0

*Key: P-phenolphthalein alkalinity; T-total alkalinity.

Sequence Logs

CAL	250923	LCS	6.99 INT: MRW
pH 4	3484	Titrant:	4298
pH 7	3386	LCS:	3530
pH 10	3482	MS:	3529
LCS	3523		

- 1 Rinse,MRW
- 2 Rinse,MRW
- 3 WG2118353-1
- 4 WG2118353-2
- 5 L2559562-01 50x
- 6 L2559565-03 50x
- 7 L2556715-10 2x
- 8 L2556715-11 2x
- 9 L2556715-12 2x
- 10 L2556716-01 5x
- 11 L2556716-02 5x
- 12 L2556673-01
- 13 L2556673-02
- 14 L2556673-03
- 15 L2556673-04
- 16 WG2118353-3
- 17 WG2118353-4
- 18 L2556673-05
- 19 L2556673-06
- 20 L2556673-07
- 21 L2556485-01
- 22 WG2118355-2
- 23 WG2118355-1
- 24 L2556865-01
- 25 WG2118355-3
- 26 WG2118355-4
- 27 L2556865-02
- 28 CCV
- 29 WG2118356-1
- 30 L2556676-02
- 31 L2556676-03
- 32 L2556676-04
- 33 L2556676-05
- 34 L2556676-06
- 35 L2556676-07
- 36 L2556676-08
- 37 L2556676-09
- 38 WG2118356-3
- 39 L2556676-10
- 40 L2556676-11
- 41 L2556676-12

42 L2556673-07
43 CCV
44 CCB
45 L2557076-02
46 L2557076-03
47 L2557076-04
48 L2557076-05
49 L2557076-06
50 L2557076-07
51 L2557076-08
52 L2557076-09
53 L2557076-10
54 L2556673-08
55 L2556673-09
56 L2556673-10
57 L2556673-11
58 L2556673-12
59 CCV
60 CCB
61 L2556673-13
62 WG2118541-3
63 WG2118541-4
64 L2556673-14
65 L2556673-15
66 L2558589-01
67 L2558072-01
68 L2558072-02
69 L2558072-03
70 L2558205-01
71 L2558205-02
72 L2558205-03
73 L2558085-12
74 L2557816-01
75 L2557816-02
76 L2557816-03
77 L2557816-04
78 L2557816-05
79 L2558314-01
80 L2558314-02
81 L2558314-03
82 L2558314-04
83 WG2118541-2
84 WG2118541-1
85 L2557816-02 10x
86 L2558314-01 10x
87 WG2118541-2
88 WG2118541-1

89 CCV
90 CCB

Chloride Analysis

Results

Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-02
Client ID : 3A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250922-1A
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:40
Date Received : 09/09/25
Date Analyzed : 09/22/25 17:22
Dilution Factor : 1
Analyst : MRM
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	15.	1.0	0.89	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-03
 Client ID : 3B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500CL-E
 Lab File ID : CL250922-1A
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:50
 Date Received : 09/09/25
 Date Analyzed : 09/22/25 17:23
 Dilution Factor : 1
 Analyst : MRM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	15.	1.0	0.89	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-04
Client ID : DUP001
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250922-1A
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:45
Date Received : 09/09/25
Date Analyzed : 09/22/25 17:23
Dilution Factor : 1
Analyst : MRM
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	15.	1.0	0.89	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-05
Client ID : 4A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250922-1A
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 09:55
Date Received : 09/09/25
Date Analyzed : 09/22/25 17:24
Dilution Factor : 1
Analyst : MRM
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	15.	1.0	0.89	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-06
 Client ID : 4B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500CL-E
 Lab File ID : CL250922-1A
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 10:55
 Date Received : 09/09/25
 Date Analyzed : 09/22/25 17:25
 Dilution Factor : 1
 Analyst : MRM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	15.	1.0	0.89	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-07
Client ID : 2A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250922-1A
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 11:45
Date Received : 09/09/25
Date Analyzed : 09/22/25 17:26
Dilution Factor : 1
Analyst : MRM
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	15.	1.0	0.89	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-08
Client ID : 2B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250922-1A
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 11:55
Date Received : 09/09/25
Date Analyzed : 09/22/25 17:28
Dilution Factor : 1
Analyst : MRM
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	14.	1.0	0.89	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-09
Client ID : 8A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250922-1A
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 12:45
Date Received : 09/09/25
Date Analyzed : 09/22/25 17:29
Dilution Factor : 1
Analyst : MRM
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	26.	1.0	0.89	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-10
Client ID : 8B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250922-1A
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 13:05
Date Received : 09/09/25
Date Analyzed : 09/22/25 17:31
Dilution Factor : 1
Analyst : MRM
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	8.4	1.0	0.89	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-11
Client ID : 9A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250922-1A
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 14:10
Date Received : 09/09/25
Date Analyzed : 09/22/25 17:32
Dilution Factor : 1
Analyst : MRM
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	16.	1.0	0.89	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-12
Client ID : 9B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250922-1A
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 14:30
Date Received : 09/09/25
Date Analyzed : 09/22/25 17:33
Dilution Factor : 1
Analyst : MRM
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	7.9	1.0	0.89	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2118004-1
 Client ID : WG2118004-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,4500CL-E
 Lab File ID : CL250922-1A
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/22/25 16:23
 Dilution Factor : 1
 Analyst : MRM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	ND	1.0	0.89	U



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2118004-3
Client ID : 8ADUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250922-1A
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 12:45
Date Received : 09/09/25
Date Analyzed : 09/22/25 17:30
Dilution Factor : 1
Analyst : MRM
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	25.	1.0	0.89	



Sample Raw Data

Author:

Date : 9/22/2025

Original Run Filename: OM_9-22-2025_03-52-56PM.OMN Created: 9/22/2025 3:52:56 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-22-2025_03-52-56PM.OMN Last Modified: 9/22/2025 4:13:22 PM

Current Run Author's Signature: [a1wetcheminstrument]

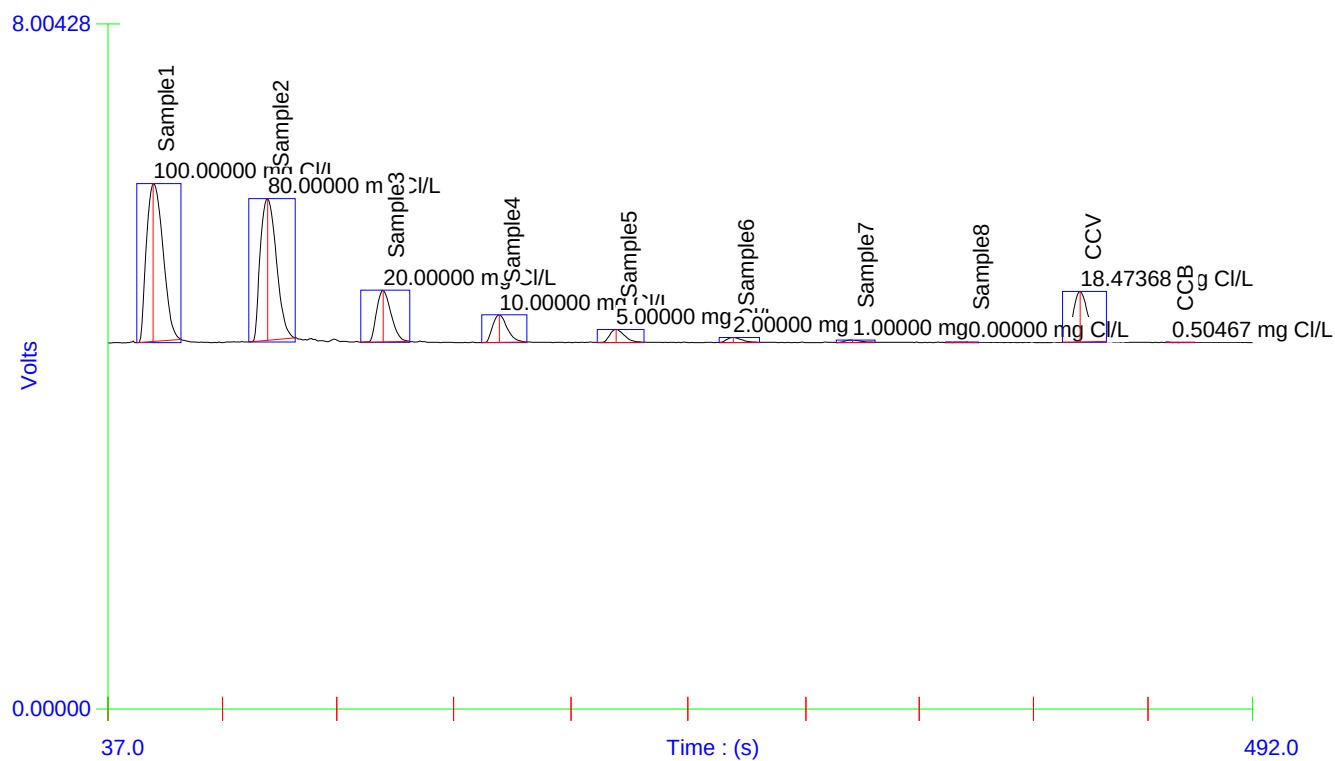
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			Chloride-CH3 (mg Cl/L)			
Sample1	1	S1	100.00000			
Sample2	1	S2	80.00000			
Sample3	1	S3	20.00000			
Sample4	1	S4	10.00000			
Sample5	1	S5	5.00000			
Sample6	1	S6	2.00000			
Sample7	1	S7	1.00000			
Sample8	1	S9	0.00000			
CCV	1	S3	18.47368			
Known Conc:			20.00000			
Calibration:			Table/Fig. : 1			
CCB	1	S9	0.50467			
Known Conc:			0.00000			
ICV-5	1	1	4.64022			
ICV-30	1	2	28.68597			
ICV-80	1	3	81.04019			
ICB	1	4	0.79347			
100 PPM	1	5	14.79322	10.00		
WG2118004/06-1	1	6	0.62802			
WG2118004/06-2	1	7	30.41467			
WG2118005-1	1	8	0.49802			
WG2118005-2	1	9	30.93891			
L2558469-01	1	10	12.69425	10.00		
CCV	1	S3	18.56869			
Known Conc:			20.00000			

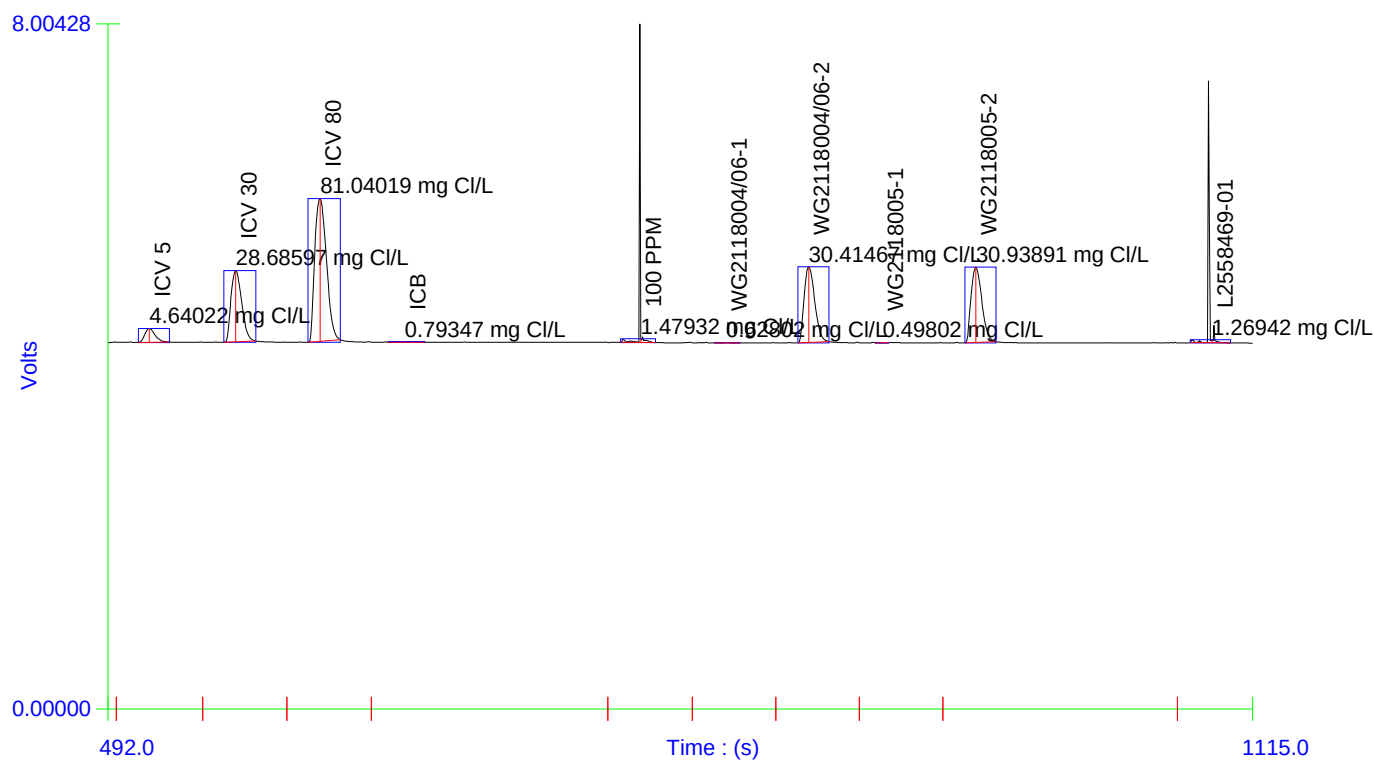
Author:

Date : 9/22/2025

Channel 1 (Chloride) - Set: 1 / 3



Channel 1 (Chloride) - Set: 2 / 3



Channel 1 (Chloride) - Set: 3 / 3

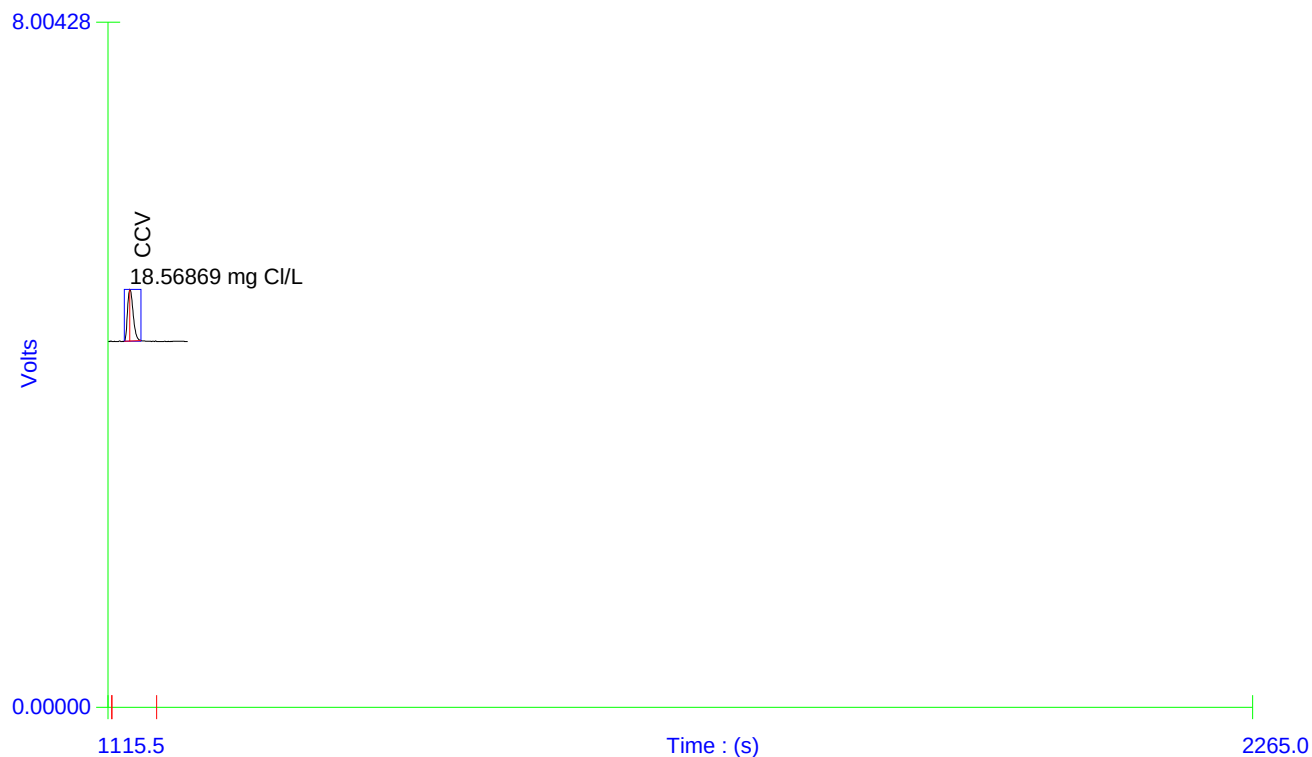
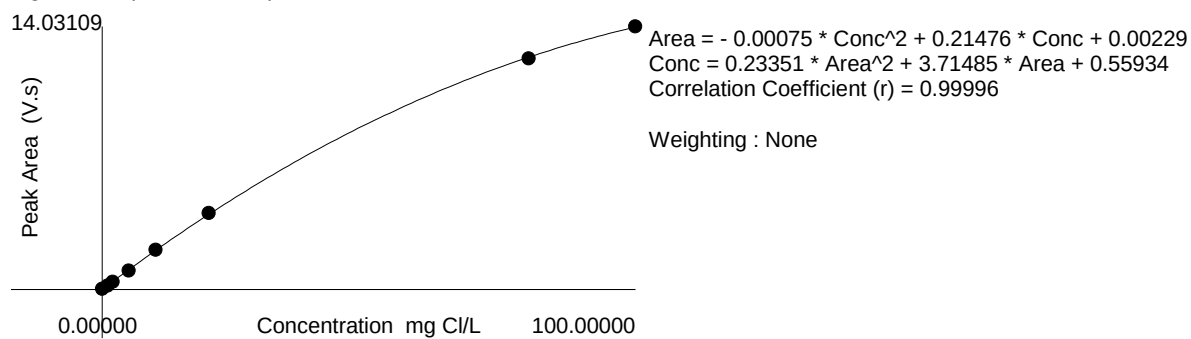


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.03109	1.84669	0.0	-0.3	98.65347	9/22/2025	3:53:47 PM
2	80.00000	1	12.32505	1.65664	0.0	0.5	81.81628	9/22/2025	3:54:33 PM
3	20.00000	1	4.06626	0.60242	0.0	-1.7	19.52578	9/22/2025	3:55:19 PM
4	10.00000	1	2.10987	0.32155	0.0	-1.7	9.43664	9/22/2025	3:56:05 PM
5	5.00000	1	1.00080	0.15171	0.0	5.3	4.51106	9/22/2025	3:56:52 PM
6	2.00000	1	0.40082	0.05836	0.0	6.5	2.08584	9/22/2025	3:57:38 PM
7	1.00000	1	0.19754	0.02892	0.0	8.7	1.30228	9/22/2025	3:58:26 PM
8	0.00000	1	0.02937	0.00579			0.66864	9/22/2025	3:59:12 PM

Figure : 1 (Chloride-CH3)



Author:

Date : 9/22/2025

Original Run Filename: OM_9-22-2025_04-15-14PM.OMN Created: 9/22/2025 4:15:14 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-22-2025_04-15-14PM.OMN Last Modified: 9/22/2025 5:49:20 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride- CH3 (mg Cl/L)	ADF	MDF	Weight
CCV	1	S3	18.54442			
Known Conc:			20.00000			
CCB	1	S9	0.67017			
Known Conc:			0.00000			
Calibration:			Table/Fig. : 1			
ICV 5	1	1	4.68360			
ICV 30	1	2	28.48833			
ICV 80	1	3	80.20761			
ICB	1	4	0.74820			
100 PPM	1	5	97.61410	10.00		
WG2118004/06-1	1	6	0.62783			
WG2118004/06-2	1	7	30.40434			
WG2118005-1	1	8	0.65384			
WG2118005-2	1	9	30.59995			
L2558469-01	1	10	217.96265	10.00		
CCV	1	S3	18.73751			
Known Conc:			20.00000			
CCB	1	S9	0.67064			
Known Conc:			0.00000			
WG2118006-3	1	11	219.64117	10.00		
WG2118006-4	1	12	233.43661	10.00		
L2556676-02	1	13	16.65102	10.00		
L2556676-03	1	14	16.52132	10.00		
L2556676-04	1	15	17.16698	10.00		
L2556676-05	1	16	16.79711	10.00		
L2556676-06	1	17	16.54895	10.00		
L2556676-07	1	18	16.57009	10.00		
L2556676-08	1	19	16.82458	10.00		
L2556676-09	1	20	23.95621	10.00		
CCV	1	S3	18.50145			
Known Conc:			20.00000			
CCB	1	S9	0.68120			
Known Conc:			0.00000			
WG2118004-3	1	21	23.82796	10.00		
WG2118004-4	1	22	38.84801	10.00		
L2556676-10	1	23	12.09291	10.00		
L2556676-11	1	24	17.27344	10.00		
L2556676-12	1	25	11.63802	10.00		
L2558022-03	1	26	58.13596			
L2558022-06	1	27	14.93656			
L2558022-09	1	28	77.02007			
L2558022-12	1	29	77.60224			
L2558022-15	1	30	0.73583			
CCV	1	S3	18.26892			
Known Conc:			20.00000			
CCB	1	S9	0.64896			
Known Conc:			0.00000			
L2558022-18	1	31	61.36079			
L2558022-21	1	32	196.43520			
L2558022-24	1	33	105.09669			
L2558024-01	1	34	90.04666			
WG2118005-3	1	35	89.58992			
WG2118005-4	1	36	105.59618			
L2558024-03	1	37	39.05479			
L2558024-05	1	38	79.21647			
L2558024-07	1	39	18.41696			
L2558024-09	1	40	115.00098	10.00		
CCV	1	S3	18.12481			

94%

95%

100%

DC: 98%

Author:

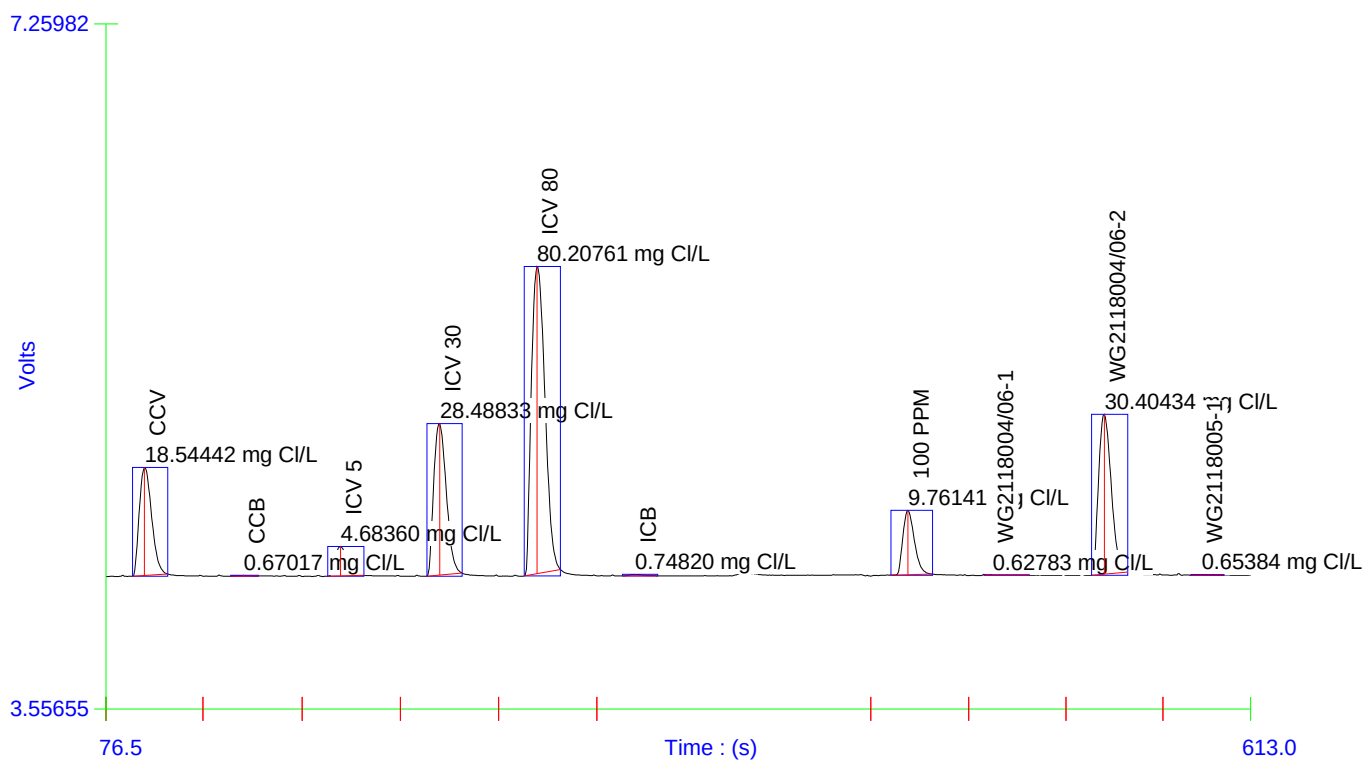
Date : 9/22/2025

	Known Conc:	20.00000			
CCB	1	S9	0.68297		
	Known Conc:	0.00000			
L2558024-11	1	41	123.74713		
L2558024-13	1	42	123.92162		
L2558024-15	1	43	0.80263		
L2558024-17	1	44	16.59680		
L2556676-02	1	13	15.16896		
L2556676-03	1	14	14.76824		
L2556676-04	1	15	15.15715		
L2556676-05	1	16	14.84681		
L2556676-06	1	17	14.90572		
L2556676-07	1	18	14.89716		
CCV	1	S3	18.19687		
	Known Conc:	20.00000			
CCB	1	S9	0.64895		
	Known Conc:	0.00000			
L2556676-08	1	19	14.58088		
L2556676-09	1	20	25.87453		
WG2118004-3	1	21	25.45676		
WG2118004-4	1	22	44.25792		
L2556676-10	1	23	8.37860		
L2556676-11	1	24	15.84172		
L2556676-12	1	25	7.92076		
L2558022-21	1	32	237.28027	10.00	
L2558022-24	1	33	118.97676	10.00	
L2558024-01	1	34	81.76537	10.00	
CCV	1	S3	18.20037		
	Known Conc:	20.00000			
CCB	1	S9	0.64455		
	Known Conc:	0.00000			
WG2118005-3	1	35	14.53135	10.00	
WG2118005-4	1	36	11.83534	10.00	
L2558024-03	1	37	38.74394		
L2558024-11	1	41	15.49242	10.00	

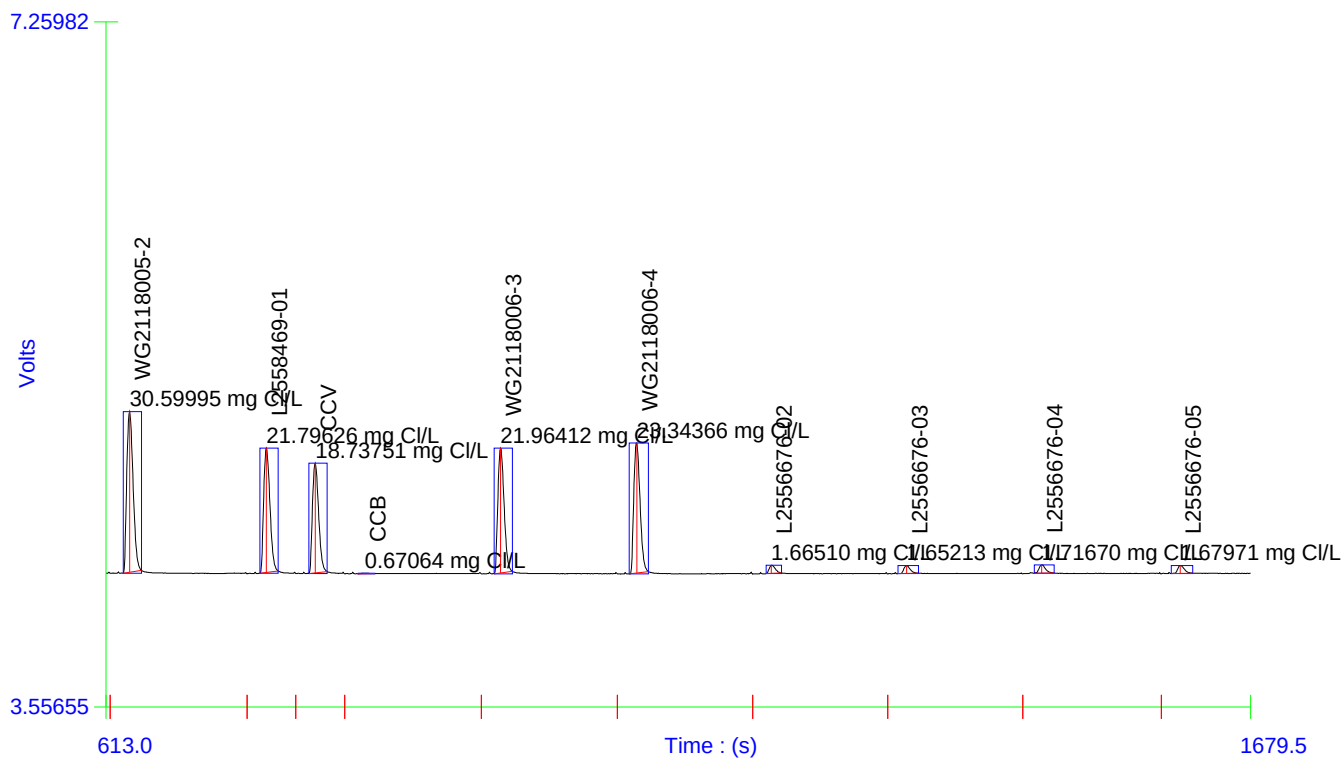
Author:

Date : 9/22/2025

Channel 1 (Chloride) - Set: 1 / 8



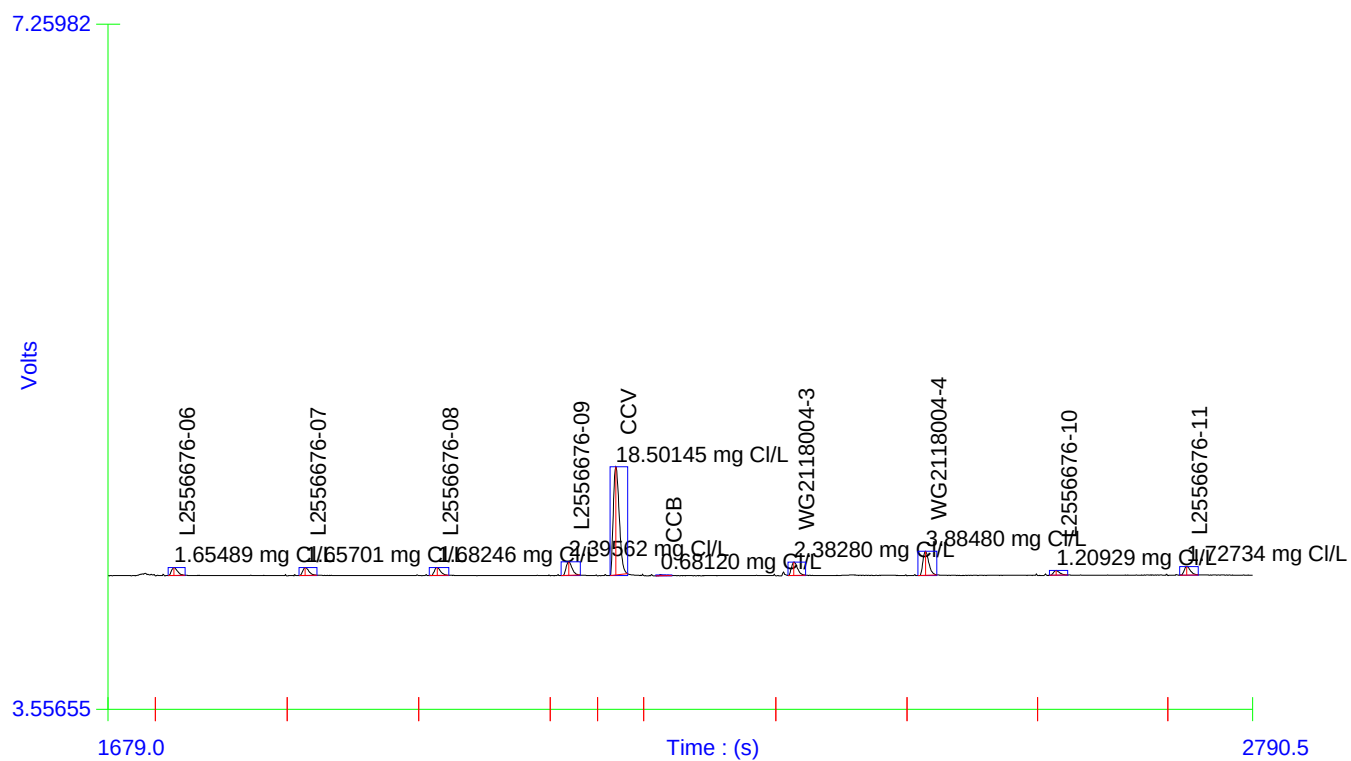
Channel 1 (Chloride) - Set: 2 / 8



Author:

Date : 9/22/2025

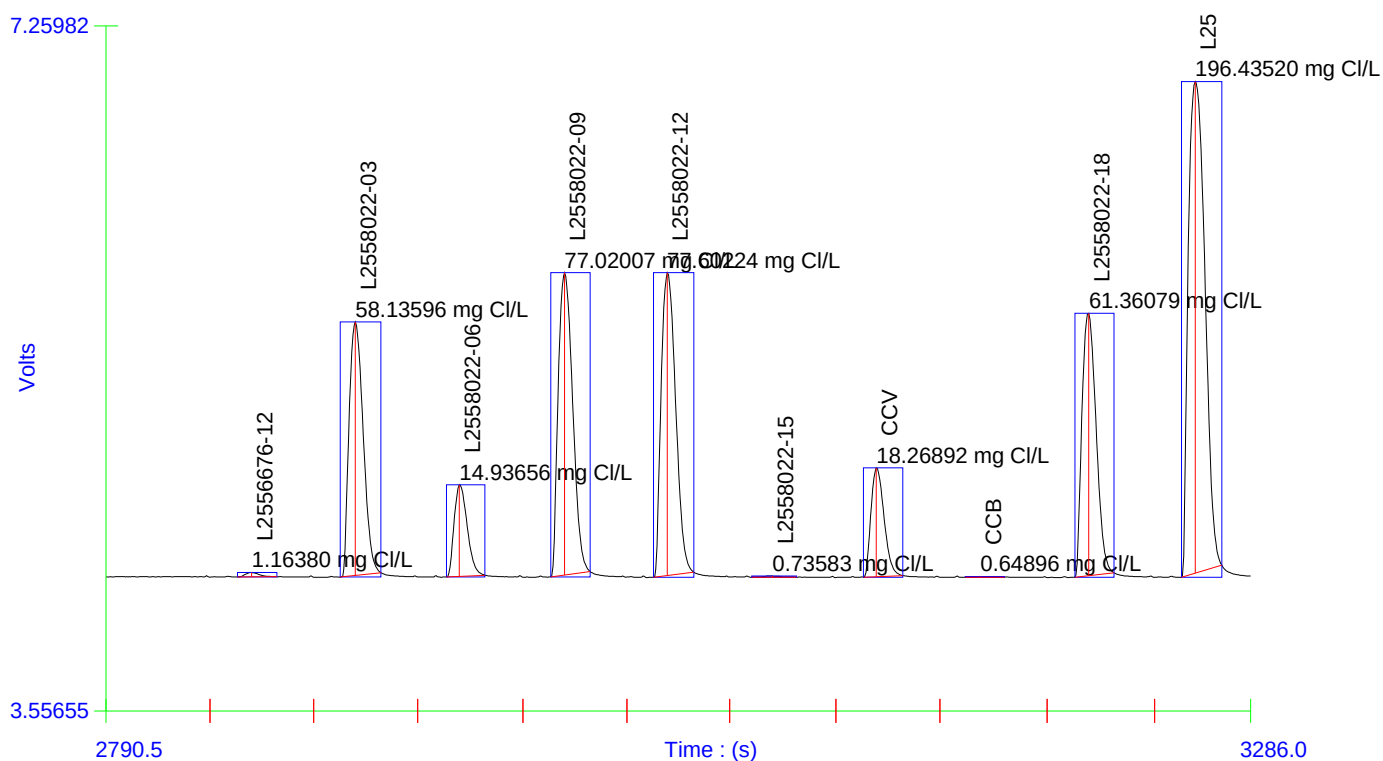
Channel 1 (Chloride) - Set: 3 / 8



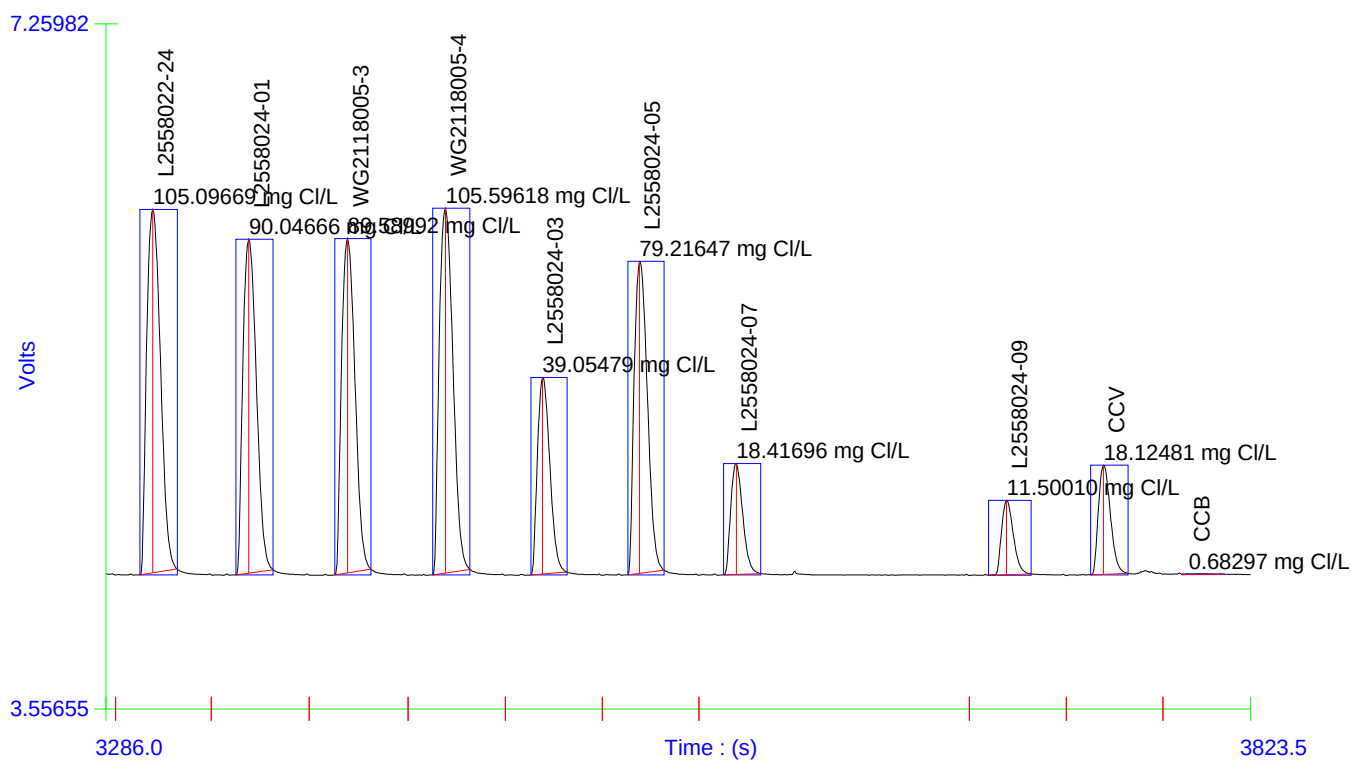
Author:

Date : 9/22/2025

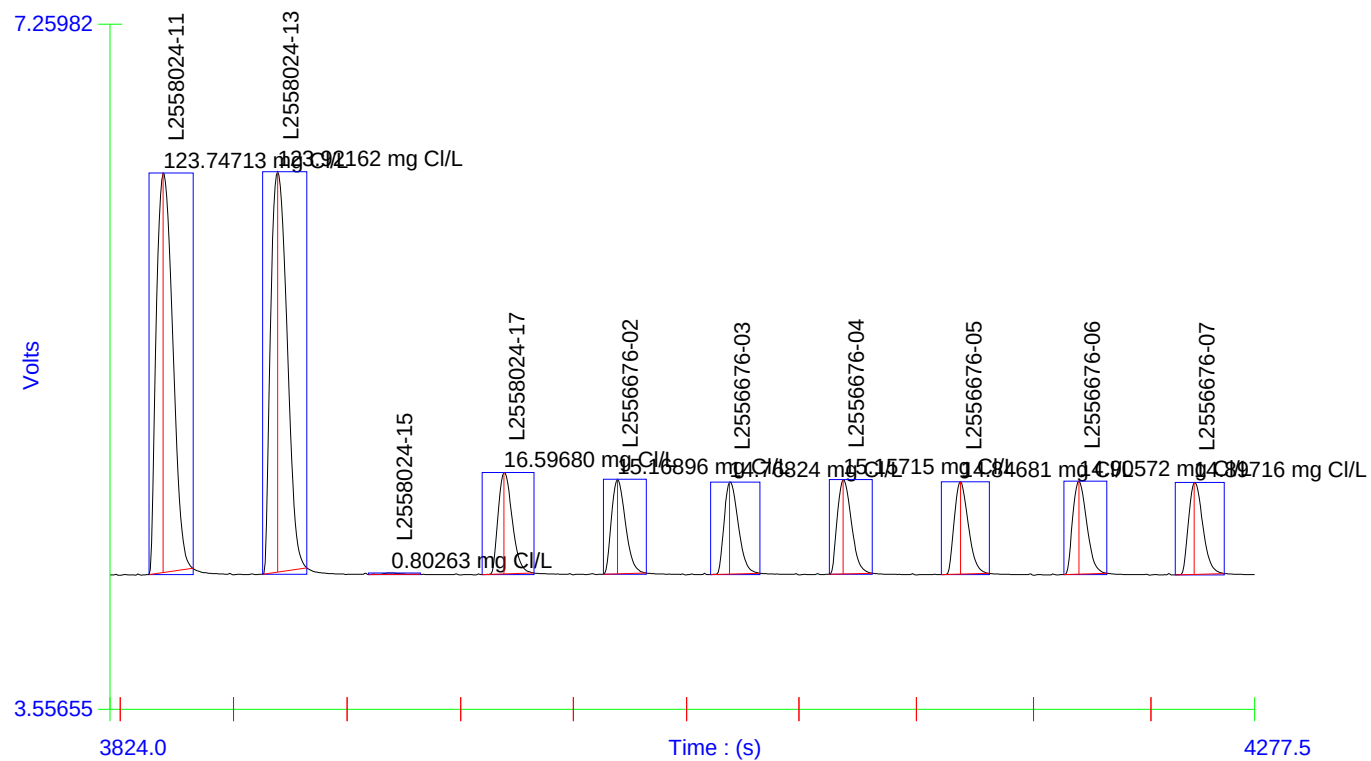
Channel 1 (Chloride) - Set: 4 / 8



Channel 1 (Chloride) - Set: 5 / 8



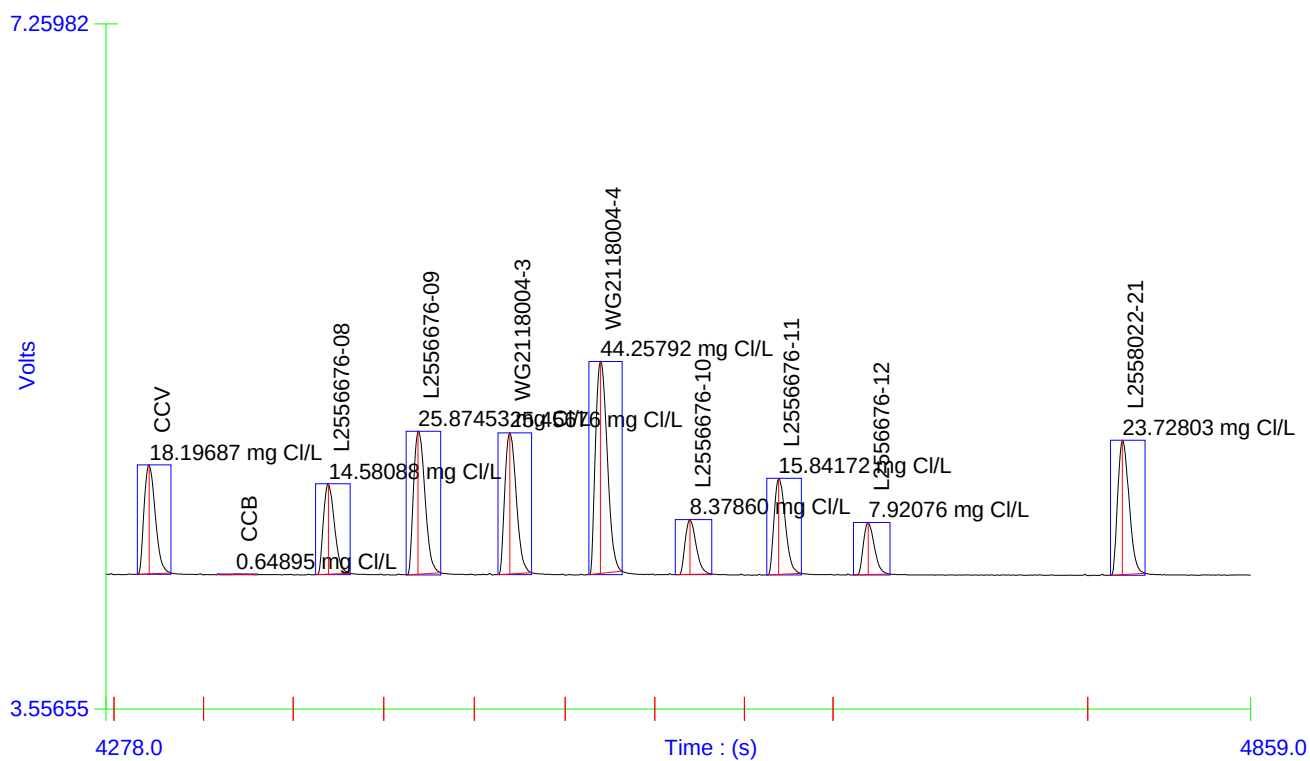
Channel 1 (Chloride) - Set: 6 / 8



Author:

Date : 9/22/2025

Channel 1 (Chloride) - Set: 7 / 8



Channel 1 (Chloride) - Set: 8 / 8

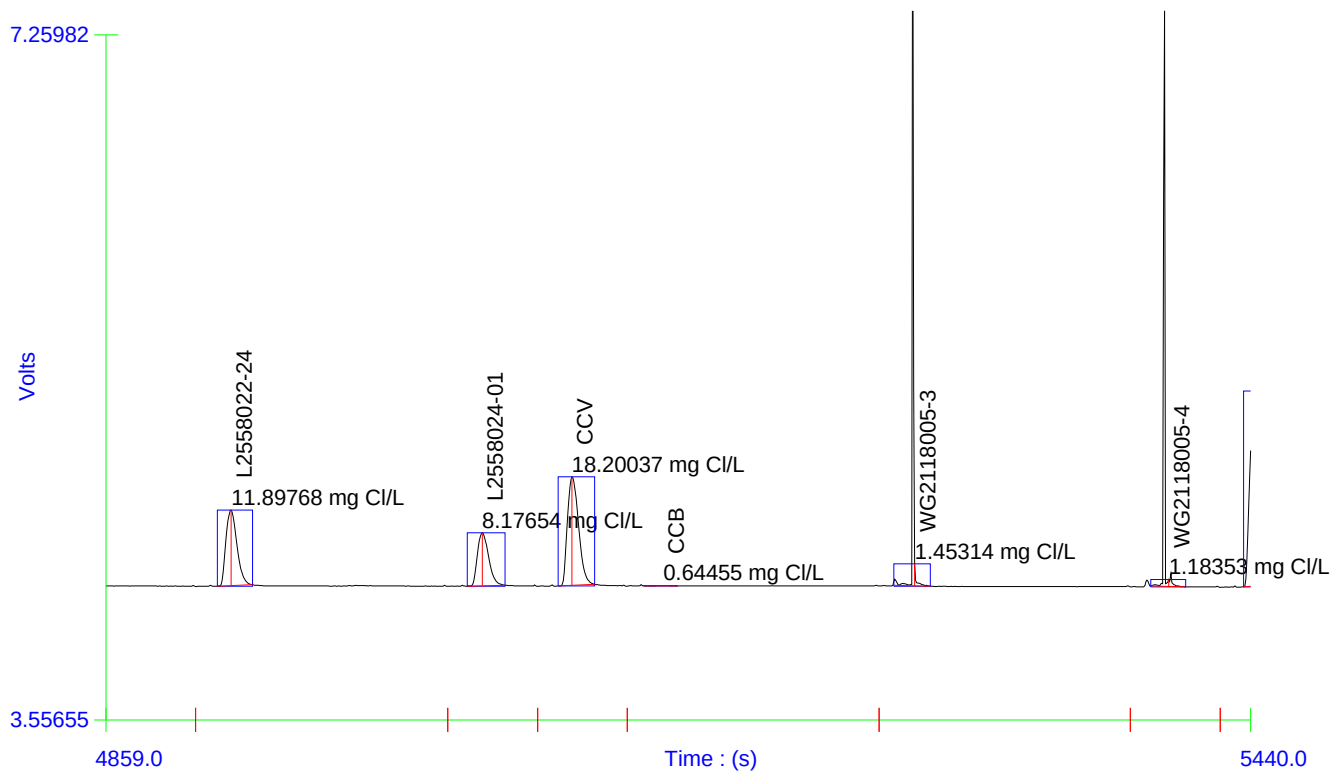
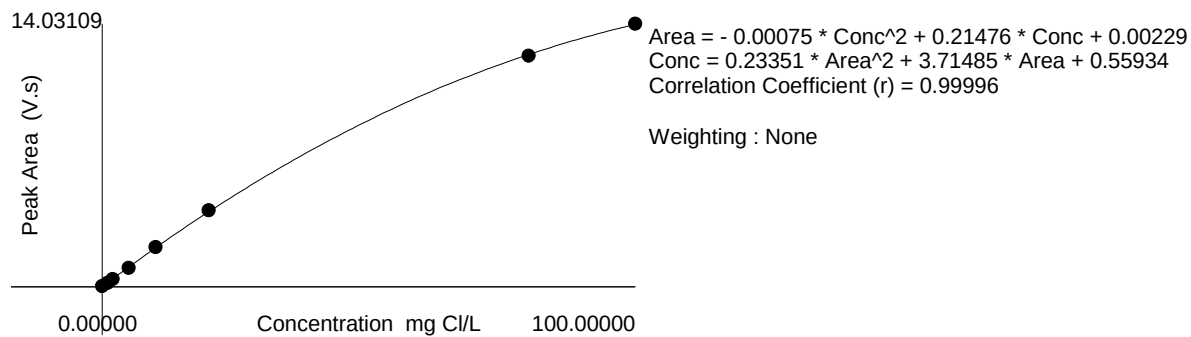


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.03109	1.84669	0.0	-0.3	98.65347	9/22/2025	3:53:47 PM
2	80.00000	1	12.32505	1.65664	0.0	0.5	81.81628	9/22/2025	3:54:33 PM
3	20.00000	1	4.06626	0.60242	0.0	-1.7	19.52578	9/22/2025	3:55:19 PM
4	10.00000	1	2.10987	0.32155	0.0	-1.7	9.43664	9/22/2025	3:56:05 PM
5	5.00000	1	1.00080	0.15171	0.0	5.3	4.51106	9/22/2025	3:56:52 PM
6	2.00000	1	0.40082	0.05836	0.0	6.5	2.08584	9/22/2025	3:57:38 PM
7	1.00000	1	0.19754	0.02892	0.0	8.7	1.30228	9/22/2025	3:58:26 PM
8	0.00000	1	0.02937	0.00579			0.66864	9/22/2025	3:59:12 PM

Figure : 1 (Chloride-CH3)



Author:

Date : 9/22/2025

Original Run Filename: OM_9-22-2025_05-51-54PM.OMN Created: 9/22/2025 5:51:54 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-22-2025_05-51-54PM.OMN Last Modified: 9/22/2025 6:07:22 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride- CH3 (mg Cl/L)	ADF	MDF	Weight
CCV	1	S3	18.23027			
Known Conc:			20.00000			
Calibration:			Table/Fig. : 1			
CCB	1	S9	0.67455			
Known Conc:			0.00000			
WG2118005-3	1	35	82.74557	10.00		
WG2118005-4	1	36	99.04069	10.00		
L2558024-03	1	37	38.78480			
L2558024-11	1	41	122.29025	10.00		
L2558024-13	1	42	123.69843	10.00		
L2558024-15	1	43	0.59495			
CCV	1	S3	18.22746			
Known Conc:			20.00000			
CCB	1	S9	0.65749			
Known Conc:			0.00000			

Channel 1 (Chloride) - Set: 1 / 1

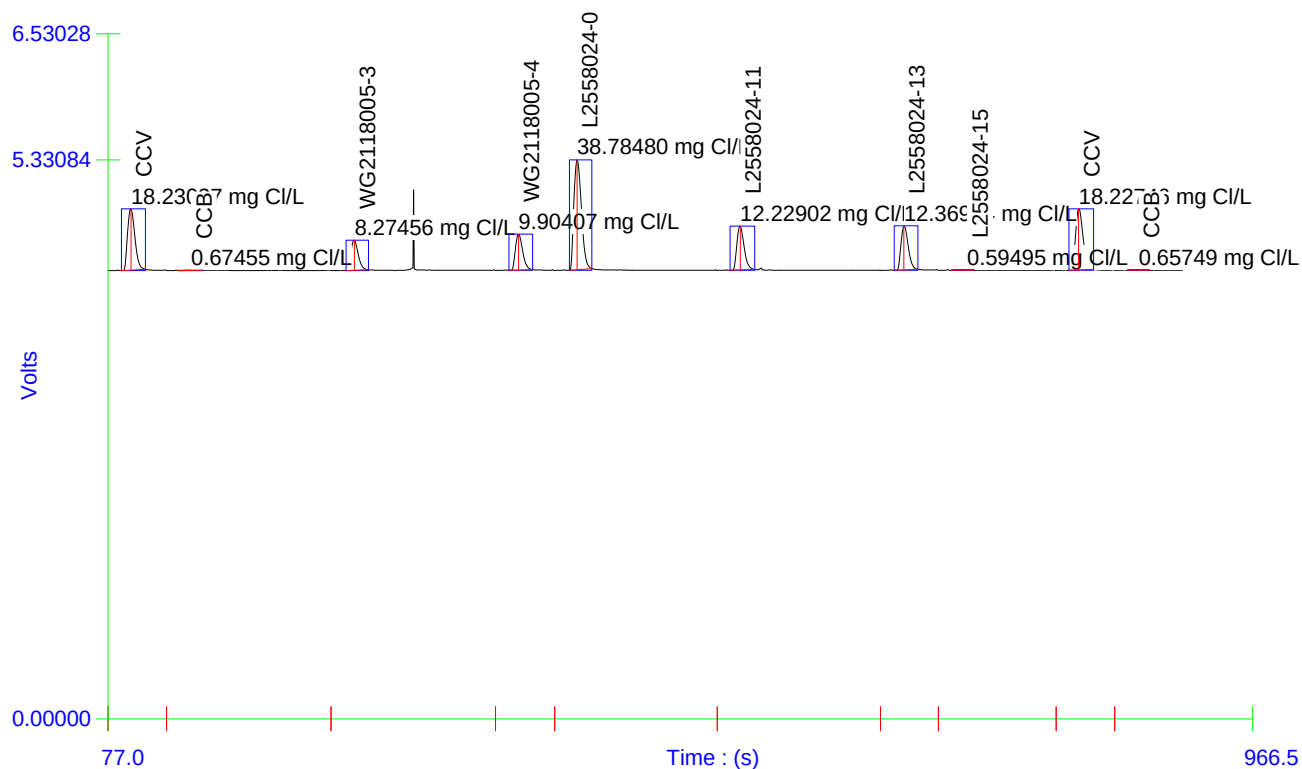
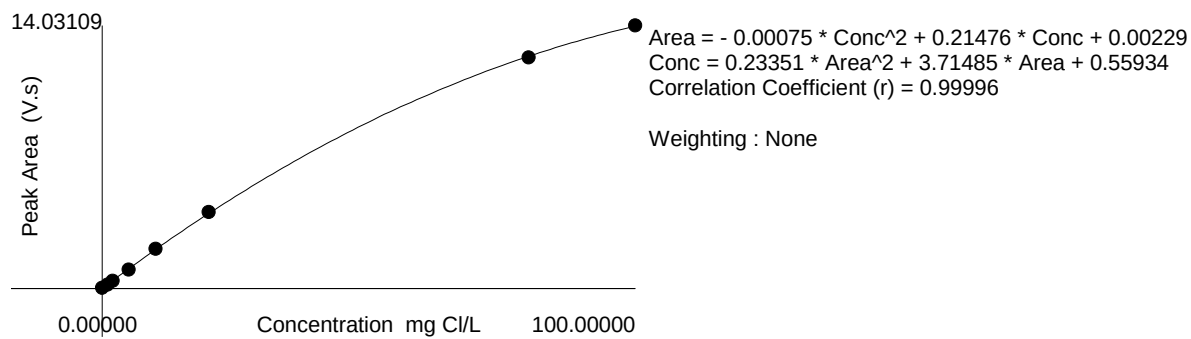


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.03109	1.84669	0.0	-0.3	98.65347	9/22/2025	3:53:47 PM
2	80.00000	1	12.32505	1.65664	0.0	0.5	81.81628	9/22/2025	3:54:33 PM
3	20.00000	1	4.06626	0.60242	0.0	-1.7	19.52578	9/22/2025	3:55:19 PM
4	10.00000	1	2.10987	0.32155	0.0	-1.7	9.43664	9/22/2025	3:56:05 PM
5	5.00000	1	1.00080	0.15171	0.0	5.3	4.51106	9/22/2025	3:56:52 PM
6	2.00000	1	0.40082	0.05836	0.0	6.5	2.08584	9/22/2025	3:57:38 PM
7	1.00000	1	0.19754	0.02892	0.0	8.7	1.30228	9/22/2025	3:58:26 PM
8	0.00000	1	0.02937	0.00579			0.66864	9/22/2025	3:59:12 PM

Figure : 1 (Chloride-CH3)



Quality Control

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 8A
 Lab Sample ID : L2556676-09
 Matrix Spike : WG2118004-4
 Matrix Spike Dup :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/22/25 17:30
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Chloride	26.	20	44.	90					58-140	7



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 8A	Matrix	: WATER
Lab Sample ID	: L2556676-09	Analysis Date	: 09/22/25 17:29
Dup Sample ID	: WG2118004-3	DUP Analysis Date	: 09/22/25 17:30

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Chloride	26.	25.	4	7



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2118004-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/22/25 16:24
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Chloride	30.0	30.0	100.					90-110	7



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Chloride

Aqueous samples:

Compute sample Chloride concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (Chloride)

To compute the final results for aqueous samples, multiply the direct reading by the dilution factor. (also done using software)

$$\text{Cl mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

- 1 ICV 5
- 2 ICV 30
- 3 ICV 80
- 4 ICB
- 5 10x
- 6 WG2118004/06-1
- 7 WG2118004/06-2
- 8 WG2118005-1
- 9 WG2118005-2
- 10 L2558469-01
- 11 WG2118006-3
- 12 WG2118006-4
- 13 L2556676-02
- 14 L2556676-03
- 15 L2556676-04
- 16 L2556676-05
- 17 L2556676-06
- 18 L2556676-07
- 19 L2556676-08
- 20 L2556676-09
- 21 WG2118004-3
- 22 WG2118004-4
- 23 L2556676-10
- 24 L2556676-11
- 25 L2556676-12
- 26 L2558022-03
- 27 L2558022-06
- 28 L2558022-09
- 29 L2558022-12
- 30 L2558022-15
- 31 L2558022-18
- 32 L2558022-21
- 33 L2558022-24
- 34 L2558024-01
- 35 WG2118005-3
- 36 WG2118005-4
- 37 L2558024-03
- 38 L2558024-05
- 39 L2558024-07
- 40 L2558024-09
- 41 L2558024-11
- 42 L2558024-13

43 L2558024-15
44 L2558024-17

Fluoride Analysis

Results

Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-02
Client ID : 3A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2115168.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:40
Date Received : 09/09/25
Date Analyzed : 09/16/25 07:51
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.12	0.20	0.01	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-03
Client ID : 3B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2115168.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:50
Date Received : 09/09/25
Date Analyzed : 09/16/25 07:51
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.12	0.20	0.01	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-04
Client ID : DUP001
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2115168.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:45
Date Received : 09/09/25
Date Analyzed : 09/16/25 07:51
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.11	0.20	0.01	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-05
 Client ID : 4A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500F-BC
 Lab File ID : WG2116318.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 09:55
 Date Received : 09/09/25
 Date Analyzed : 09/18/25 05:11
 Dilution Factor : 1
 Analyst : DTH
 Instrument ID :
 %Solids : N/A
 Date Digested : 09/18/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.11	0.20	0.01	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-06
Client ID : 4B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2116318.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 10:55
Date Received : 09/09/25
Date Analyzed : 09/18/25 05:11
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/18/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.09	0.20	0.01	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-07
 Client ID : 2A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500F-BC
 Lab File ID : WG2116318.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:45
 Date Received : 09/09/25
 Date Analyzed : 09/18/25 05:11
 Dilution Factor : 1
 Analyst : DTH
 Instrument ID :
 %Solids : N/A
 Date Digested : 09/18/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.17	0.20	0.01	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-08
 Client ID : 2B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500F-BC
 Lab File ID : WG2116318.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:55
 Date Received : 09/09/25
 Date Analyzed : 09/18/25 05:11
 Dilution Factor : 1
 Analyst : DTH
 Instrument ID :
 %Solids : N/A
 Date Digested : 09/18/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.13	0.20	0.01	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-09
Client ID : 8A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2116318.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 12:45
Date Received : 09/09/25
Date Analyzed : 09/18/25 05:11
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/18/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.03	0.20	0.01	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-10
Client ID : 8B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2116318.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 13:05
Date Received : 09/09/25
Date Analyzed : 09/18/25 05:11
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/18/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.07	0.20	0.01	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-11
 Client ID : 9A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500F-BC
 Lab File ID : WG2116318.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:10
 Date Received : 09/09/25
 Date Analyzed : 09/18/25 05:11
 Dilution Factor : 1
 Analyst : DTH
 Instrument ID :
 %Solids : N/A
 Date Digested : 09/18/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.04	0.20	0.01	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-12
 Client ID : 9B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500F-BC
 Lab File ID : WG2116318.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:30
 Date Received : 09/09/25
 Date Analyzed : 09/18/25 05:11
 Dilution Factor : 1
 Analyst : DTH
 Instrument ID :
 %Solids : N/A
 Date Digested : 09/18/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.09	0.20	0.01	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115168-1
Client ID : WG2115168-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2115168.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/16/25 07:51
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	ND	0.20	0.01	U



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115168-3
Client ID : WG2115168-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2115168.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 07:30
Date Received : 09/10/25
Date Analyzed : 09/16/25 07:51
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/16/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.05	0.20	0.02	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2116318-1
 Client ID : WG2116318-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,4500F-BC
 Lab File ID : WG2116318.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/18/25 05:11
 Dilution Factor : 1
 Analyst : DTH
 Instrument ID :
 %Solids : N/A
 Date Digested : 09/18/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	ND	0.20	0.01	U



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2116318-3
Client ID : 8ADUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2116318.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 12:45
Date Received : 09/09/25
Date Analyzed : 09/18/25 05:11
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/18/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.03	0.20	0.02	J



Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
FLUORIDE

Last Change 03/4/13
File Flouride.xlt

Sample Number: _____

Client: _____

Product: F-4500
Analysis Analyte: Fluoride,
Analysis Date: 9/18/2025 5:11
Technician: DTH
Work group: WG2116318
RL: 0.20 mg/L
Distillation Date: 9/18/2025 1:41

Analysis: FLUORIDE
Method: SM 4500F-BC
LCS Concentration (mg/l): 2
Spike Concentration (mg/l): 1

Standard ID mg/L	Log Std-d	Reading mV	Result, Curve	Antilog Result	% Recovery	Calibration Curve Slope y-intercept
0.2	-0.699	129.4	-0.699	0.2001	100	-59.5657174 87.775
0.5	-0.301	105.7	-0.301	0.5001	100	
1.0	0.000	87.8	0.000	0.9990	100	Correlation Coefficient
10	1.000	28.2	1.000	10.004	100	0.99999992

	Sample number	Sample Volume (ml)	Distill Volume (ml)	Flask	Reagent	Dilution Factor	Meter Reading	RL Multiplier	FINAL RESULT (mg/l)	Recovery
	ICB	50	50		YES	1.00	0	1.00	0.00	
	ICV	50	50		YES	1.00	0.978	1.00	0.98	98%
SAMP	L2556676-05	50	50		YES	1.00	0.109	1.00	0.11	
SAMP	L2556676-06	50	50		YES	1.00	0.0899	1.00	0.09	
SAMP	L2556676-07	50	50		YES	1.00	0.165	1.00	0.17	
SAMP	L2556676-08	50	50		YES	1.00	0.126	1.00	0.13	
SAMP	L2556676-09	50	50		YES	1.00	0.0317	1.00	0.03	
SAMP	L2556676-10	50	50		YES	1.00	0.0749	1.00	0.07	
SAMP	L2556676-11	50	50		YES	1.00	0.0354	1.00	0.04	
SAMP	L2556676-12	50	50		YES	1.00	0.0899	1.00	0.09	
	CCV	50	50		YES	1.00	0.993	1.00	0.99	
	CCB	50	50		YES	1.00	0	1.00	0.00	
	CCV	50	50		YES	1.00	0.997	1.00	1.00	
	CCB	50	50		YES	1.00	0	1.00	0.00	
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
BLANK	WG2116318-1	50	50		YES	1.00	0	1.00	0.00	
DUP	WG2116318-3	50	50		YES	1.00	0.0303	1.00	0.03	L2556676-09
		sample volume	Distill volume (ml)	Flask	Reagent	Sample Result mg/l	Meter Reading	Spike conc. mg/l	Spike Result mg/l	Recovery %
MS	WG2116318-4	50	50		YES	.03	0.974	1	0.97	94
LCS	WG2116318-2	50	50		YES		1.8	2	1.80	90

last sample

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
FLUORIDE

Last Change 03/4/13
File Flouride.xlt

Sample Number: _____

Client: _____

Product: F-4500
Analysis Analyte: Fluoride,
Analysis Date: 9/16/2025 7:51
Technician: DTH
Work group: WG2115168
RL: 0.20 mg/L
Distillation Date: 9/16/2025 2:28

Analysis: FLUORIDE
Method: SM 4500F-BC
LCS Concentration (mg/l): 2
Spike Concentration (mg/l): 1

Standard ID mg/L	Log Std-d	Reading mV	Result, Curve	Antilog Result	% Recovery	Calibration Curve Slope y-intercept
0.2	-0.699	129.4	-0.707	0.1963	98	-60.2806987 86.775
0.5	-0.301	104.8	-0.299	0.5023	100	
1.0	0.000	86.1	0.011	1.0261	103	Correlation Coefficient
10	1.000	26.8	0.995	9.884	99	0.9999301

Sample number	Sample Volume (ml)	Distill Volume (ml)	Flask	Reagent	Dilution Factor	Meter Reading	RL Multiplier	FINAL RESULT (mg/l)	Recovery
ICB	50	50		YES	1.00	0	1.00	0.00	97%
ICV	50	50		YES	1.00	0.973	1.00	0.97	
L2554994-01	50	50		YES	1.00	0.404	1.00	0.40	
L2554994-02	50	50		YES	1.00	0.387	1.00	0.39	
L2554994-03	50	50		YES	1.00	0.275	1.00	0.28	
L2554994-04	50	50		YES	1.00	0.247	1.00	0.25	
L2554994-05	50	50		YES	1.00	0.268	1.00	0.27	
L2554994-06	50	50		YES	1.00	0.229	1.00	0.23	
L2554994-07	5	50		YES	10.00	1.26	10.00	12.60	
L2554994-08	5	50		YES	10.00	1.39	10.00	13.90	
L2554994-09	50	50		YES	1.00	0.247	1.00	0.25	
L2554994-10	50	50		YES	1.00	0.356	1.00	0.36	
L2556151-01	5	50		YES	10.00	2.51	10.00	25.10	
SAMP L2556676-02	50	50		YES	1.00	0.122	1.00	0.12	
SAMP L2556676-03	50	50		YES	1.00	0.124	1.00	0.12	
SAMP L2556676-04	50	50		YES	1.00	0.114	1.00	0.11	
SAMP L2556760-01	50	50		YES	1.00	0.0459	1.00	0.05	
SAMP L2557054-02	25	50		YES	2.00	0.147	2.00	0.29	
CCV	50	50		YES	1.00	0.968	1.00	0.97	
CCB	50	50		YES	1.00	0	1.00	0.00	
CCV	50	50		YES	1.00	0.981	1.00	0.98	
CCB	50	50		YES	1.00	0	1.00	0.00	
BLANK WG2115168-1	50	50		YES	1.00	0	1.00	0.00	
DUP WG2115168-3	50	50		YES	1.00	0.0456	1.00	0.05	L2556760-01
Sample number	sample volume	Distill volume (ml)	Flask	Reagent	Sample Result mg/l	Meter Reading	Spike conc. mg/l	Spike Result mg/l	Recovery %
MS WG2115168-4	50	50		YES	.05	0.942	1	0.94	89
LCS WG2115168-2	50	50		YES		1.76	2	1.76	88

last sample

Quality Control

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : L2556760-01
 Matrix Spike : WG2115168-4
 Matrix Spike Dup :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/16/25 07:51
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Fluoride	0.05J	1	0.94	94					69-124	13



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 8A
 Lab Sample ID : L2556676-09
 Matrix Spike : WG2116318-4
 Matrix Spike Dup :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/18/25 05:11
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Fluoride	0.03J	1	0.97	97					69-124	13



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/16/25 07:51
Dup Sample ID	: WG2115168-3	DUP Analysis Date	: 09/16/25 07:51

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Fluoride	0.05J	0.05J	NC	13



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 8A	Matrix	: WATER
Lab Sample ID	: L2556676-09	Analysis Date	: 09/18/25 05:11
Dup Sample ID	: WG2116318-3	DUP Analysis Date	: 09/18/25 05:11

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Fluoride	0.03J	0.03J	NC	13



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2115168-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/16/25 07:51
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Fluoride	2.00	1.80	88.					78-120	13



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2116318-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/18/25 05:11
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Fluoride	2.00	1.80	90.					78-120	13



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Fluoride

When the volume of the distillate is the same as the volume of the sample used, the direct determination of Fluoride concentration is the instrument's result.

However, when analyzing soil samples or high level samples requiring a dilution, the following equations apply:

For liquids:

$$\text{Fluoride, mg/L} = (\text{mg F-/L}) \times (\text{Volume of Distillate, mL}) / \text{Volume of Sample, mL}$$

For solids:

$$\text{Fluoride, mg/Kg} = (\text{mg F-/L}) \times (\text{Volume of Distillate, mL}) / \text{Weight of Sample, gm}$$

To calculate final result for soil samples based on dry weight, multiply final result on 100 and divide on %TS (in %)

Sample Preparation

TITLE

PROJECT

Continued from Page

WG2116318

Analyst: DTI

Date & Time: 09/15/25 5:11

ICV:F 06152025 700ppm

LCS:F 06152025 -100ppm

Spike:F 06152025 700ppm

Curve:WC- 3575

TISAB III: R- 4367

STD	MV
0.2	129.4
0.5	105.7
1.0	87.5
10.0	88.2

Sample	Volume	Final Volume	Meter
ICV	50mL	50mL	0.978
IB			0.0
Blank			0.0
LCS			1.80
516676-05			0.109
-06			0.0899
-07			0.165
-08			0.126
-09			0.0317
-0909			0.0303
-MS09			0.974
-10			0.0749
CCV			0.993
CCB			0.0354 0.0
-11			0.0354
-12			0.0899
CW			0.997
CCB			0.0

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DATE

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DATE

PROPRIETARY INFORMATION

Project No. _____

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Book No. _____

TITLE _____

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Sample	Volume	Final Volume	Block	Comments
Blank	50mL	50mL	Phenol #2	DTH 9/16/2025 02:28
LCS				1mL F06152025-100ppm
54994-01				
-02				
-03				
-04				
-05				
-06				
-07	10X(5mL→50mL)			-Dilution due to screening
-08	↓			over curve
-09	50mL		Fluor #2	↓
-10	↓			
56151-01	10X(5mL→50mL)			-Dilution due to matrix
56676-02	50mL			Similar to phlegm screened
-03				over curve
-04				
56760-01				
-0p01				
-m501				0.5mL F06152025-100ppm
57054-02	2X(25mL→50mL)			-Dilution due to presence of
				Surfactant
Blank	50mL	50mL	Phenol #2	DTH 9/15/25 01:41
LCS				1mL F06152025-100 ppm
56676-05				
-06				
-07				
-08				
-09				
-0p09				
-m509				0.5mL F06152025-100ppm
-10				
-11				
-12			Fluor #2	

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Date

Invented by:

Date

Recorded by:

TITLE

PROJECT

Continued from Page

WG2115168



Analyst: DTH

Date & Time: 9/16/25 7:57

ICV:F 06152025 700 ppm

LCS:F 06152025 700 ppm

Spike:F 06152025 700 ppm

Curve:WC- 3575

TISAB III: R- 4367

5

10

15

20

25

30

35

STD AU
0.2 129.4
0.5 104.5
1.0 86.1
10.0 26.5

Sample	Volume	Final Volume	Meter
ICV	50mL	50mL	6.973
ICB			0.0
Blank			0.0
LCS			1.76
54994-01			0.404
-02			0.387
-03			0.275
-04			0.247
-05			0.265
-06	↓		0.229
-07 (5mL 50mL) 10X			1.26
-08	↓		1.39
CCV	50mL		0.968
CCB			0.0
-09			0.247
-10	↓		0.356
56151-01 (5mL 50mL) 10X			2.51
56676-02	50mL		0.122
-03			0.124
-04			0.114
56766-01			0.0459
-Dup 01			0.0456
-ms 01	↓		0.942
57054-02 (25mL 50mL) 2X			0.147
CCV	50mL		0.981
CCB	↓		0.0

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Project No. _____

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Book No. _____

TITLE _____

Page No. _____

Sample	Volume	Final Volume	Block	Comments
Blank	50mL	50mL	Phenol #2	DTH 9/16/2025 02:28
Lis				ImL F06150025-100ppm
54994-01				
-02				
-03				
-04				
-05				
-06				
-07	10X (5mL → 50mL)			-Dilution due to screening
-08	↓			over curve
-09	50mL		Fluor #2	↓
-10	↓			
56151-01	10X (5mL → 50mL)			-Dilution due to matrix
56676-02	50mL			Similar to phlegm; Screened
-03				over curve
-04				
56760-01				
-0601				
-MS01				0.5mL F06150025-100ppm
57054-02	2X (25mL → 50mL)			-Dilution due to presence of
				Surfactant

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Date

Invented by:

Date

Phosphates Analysis

Results

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-02
 Client ID : 3A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS092525-WG2119821.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:40
 Date Received : 09/09/25
 Date Analyzed : 09/26/25 13:41
 Dilution Factor : 1
 Analyst : EYA
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.049	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-03
 Client ID : 3B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS092525-WG2119821.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:50
 Date Received : 09/09/25
 Date Analyzed : 09/26/25 13:42
 Dilution Factor : 1
 Analyst : EYA
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.077	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-04
 Client ID : DUP001
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS092525-WG2119821.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:45
 Date Received : 09/09/25
 Date Analyzed : 09/26/25 13:43
 Dilution Factor : 1
 Analyst : EYA
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.052	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-05
 Client ID : 4A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS092525-WG2119821.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 09:55
 Date Received : 09/09/25
 Date Analyzed : 09/26/25 13:44
 Dilution Factor : 1
 Analyst : EYA
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.126	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-06
 Client ID : 4B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS092525-WG2119821.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 10:55
 Date Received : 09/09/25
 Date Analyzed : 09/26/25 13:45
 Dilution Factor : 1
 Analyst : EYA
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.117	0.031	0.012	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-07
Client ID : 2A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500P-E(M)
Lab File ID : PHOS092525-WG2119821.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 11:45
Date Received : 09/09/25
Date Analyzed : 09/26/25 13:46
Dilution Factor : 1
Analyst : EYA
Instrument ID : SEAL2
%Solids : N/A
Date Digested : 09/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.129	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-08
 Client ID : 2B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS092525-WG2119821.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:55
 Date Received : 09/09/25
 Date Analyzed : 09/26/25 13:47
 Dilution Factor : 1
 Analyst : EYA
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.052	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-09
 Client ID : 8A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS092525-WG2119821.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 12:45
 Date Received : 09/09/25
 Date Analyzed : 09/26/25 13:48
 Dilution Factor : 1
 Analyst : EYA
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.049	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-10
 Client ID : 8B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS092525-WG2119821.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 13:05
 Date Received : 09/09/25
 Date Analyzed : 09/26/25 13:52
 Dilution Factor : 1
 Analyst : EYA
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.132	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-11
 Client ID : 9A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS092525-WG2119821.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:10
 Date Received : 09/09/25
 Date Analyzed : 09/26/25 13:53
 Dilution Factor : 1
 Analyst : EYA
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.065	0.031	0.012	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-12
Client ID : 9B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500P-E(M)
Lab File ID : PHOS092525-WG2119821.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 14:30
Date Received : 09/09/25
Date Analyzed : 09/26/25 13:54
Dilution Factor : 1
Analyst : EYA
Instrument ID : SEAL2
%Solids : N/A
Date Digested : 09/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.313	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2119821-1
 Client ID : WG2119821-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS092525-WG2119821.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/26/25 13:39
 Dilution Factor : 1
 Analyst : EYA
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.015	0.031	0.012	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2119821-3
Client ID : 8ADUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500P-E(M)
Lab File ID : PHOS092525-WG2119821.csv
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 12:45
Date Received : 09/09/25
Date Analyzed : 09/26/25 13:50
Dilution Factor : 1
Analyst : EYA
Instrument ID : SEAL2
%Solids : N/A
Date Digested : 09/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.055	0.031	0.012	



Sample Raw Data

AQ2 Tray Report



Software version : 2.4.5
 Report requested by : EAsamoah
 Date \ Time : 26-Sep-2025 14:14:43
 Tray number : 1
 Tray name : WG2119821

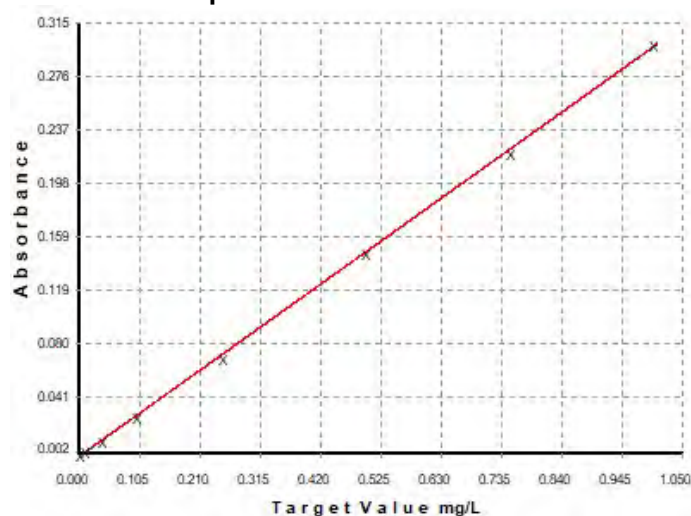
T-Phos 1

Calibration Chart

Type	Absorbance	Calc mg/L	Target mg/L	% Error
S1	0.0018	0.006	0.000	
S90	0.0041	0.014	0.010	40.62
S91	0.0116	0.039	0.040	-1.73
S92	0.0290	0.098	0.100	-2.40
S93	0.0724	0.243	0.250	-2.72
S94	0.1485	0.499	0.500	-0.24
S95	0.2211	0.742	0.750	-1.00
S96	0.3003	1.008	1.000	0.82
S0	0.0020	0.007	0.000	

Polynomial Order : 1
 Correlation Coefficient : 0.9999
 Carryover(%) : 0.1
 Calibration equation:
 $y = bx + a$
 y = : Concentration mg/L
 x = : Measured absorbance
 a = : 2.909197E-04
 b = : 3.356479E+00
 Date & Time : 26-Sep-2025 10:42:26

Calibration Graph



Reagents

Reagent Name	Batch Number	Operator	Expiry Date
TP Working Color	TP Color-09142425	MEF	15-Oct-2025 00:00:00
TP Ascorbic	TP Ascorbic-09142025	MEF	21-Sep-2025 00:00:00

Test Results

Cup Type	ID	Sample Details	Result	Units	QC Pro	Raw Data	Auto Dil.	Man Dil.	User	Time & Date
2	ICV	ICV	26-SEP-2025 10-41	0.451	mg/L	0.134385			EYA	26-Sep-2025 13:37:25
3	ICB	ICB	26-SEP-2025 10-41	0.006	mg/L	0.001574			EYA	26-Sep-2025 13:38:25
4	U1	WG2119821-1O	26-SEP-2025 10-41	0.005ELL	mg/L	0.001260			EYA	26-Sep-2025 13:39:26
5	U2	WG2119821-2O	26-SEP-2025 10-41	0.451	mg/L	0.134353			EYA	26-Sep-2025 13:40:25
6	U3	L2556676-02O	26-SEP-2025 10-41	0.016	mg/L	0.004768			EYA	26-Sep-2025 13:41:24
7	U4	L2556676-03O	26-SEP-2025 10-41	0.025	mg/L	0.007475			EYA	26-Sep-2025 13:42:23
8	U5	L2556676-04O	26-SEP-2025 10-41	0.017	mg/L	0.004978			EYA	26-Sep-2025 13:43:22
9	U6	L2556676-05O	26-SEP-2025 10-41	0.041	mg/L	0.012174			EYA	26-Sep-2025 13:44:21
10	U7	L2556676-06O	26-SEP-2025 10-41	0.038	mg/L	0.011115			EYA	26-Sep-2025 13:45:20
11	U8	L2556676-07O	26-SEP-2025 10-41	0.042	mg/L	0.012509			EYA	26-Sep-2025 13:46:19
12	U9	L2556676-08O	26-SEP-2025 10-41	0.017	mg/L	0.004949			EYA	26-Sep-2025 13:47:18
13	U10	L2556676-09O	26-SEP-2025 10-41	0.016	mg/L	0.004563			EYA	26-Sep-2025 13:48:19
	CCV	CCV		0.464	mg/L	0.138107			EYA	26-Sep-2025 13:49:19
	CCB	CCB		0.005	mg/L	0.001446			EYA	26-Sep-2025 13:49:52
14	U11	WG2119821-3O	26-SEP-2025 10-41	0.018	mg/L	0.005395			EYA	26-Sep-2025 13:50:50
15	U12	WG2119821-4O	26-SEP-2025 10-41	0.482	mg/L	0.143379			EYA	26-Sep-2025 13:51:41
16	U13	L2556676-10O	26-SEP-2025 10-41	0.043	mg/L	0.012753			EYA	26-Sep-2025 13:52:32
17	U14	L2556676-11O	26-SEP-2025 10-41	0.021	mg/L	0.006239			EYA	26-Sep-2025 13:53:23
18	U15	L2556676-12O	26-SEP-2025 10-41	0.102	mg/L	0.030166			EYA	26-Sep-2025 13:54:15
19	U16	L2557196-01O	26-SEP-2025 10-41	0.023	mg/L	0.006712			EYA	26-Sep-2025 13:55:06
20	U17	L2557196-04O	26-SEP-2025 10-41	0.006ELL	mg/L	0.001700			EYA	26-Sep-2025 13:55:57
21	U18	L2557196-05O	26-SEP-2025 10-41	0.013	mg/L	0.003762			EYA	26-Sep-2025 13:56:48
	CCV	CCV		0.479	mg/L	0.142657			EYA	26-Sep-2025 13:57:39
	CCB	CCB		0.005	mg/L	0.001431			EYA	26-Sep-2025 13:58:31

Quality Control

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 8A
 Lab Sample ID : L2556676-09
 Matrix Spike : WG2119821-4
 Matrix Spike Dup :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/26/25 13:51
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Phosphate, Total	0.049	1.53	1.48	94					80-120	15



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 8A	Matrix	: WATER
Lab Sample ID	: L2556676-09	Analysis Date	: 09/26/25 13:48
Dup Sample ID	: WG2119821-3	DUP Analysis Date	: 09/26/25 13:50

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Phosphate, Total	0.049	0.055	12	15



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2119821-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/26/25 13:40
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Phosphate, Total	1.53	1.38	90.					84-118	15



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of TPhosphorus

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve. All calculations are done by SEAL (segment flow spectrometer).

$$\text{Mg TPhosphorus/L} = \frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

Wet Chemistry
By
IC Methods

Results

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-02
 Client ID : 3A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:40
 Date Received : 09/09/25
 Date Analyzed : 09/22/25 23:38
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.064	0.050	0.013	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-03
Client ID : 3B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 44,300.0
Lab File ID : WG2118199-200-201
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 08:50
Date Received : 09/09/25
Date Analyzed : 09/22/25 22:49
Dilution Factor : 1
Analyst : AVT,
Instrument ID : IC3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.078	0.050	0.013	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-04
 Client ID : DUP001
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 08:45
 Date Received : 09/09/25
 Date Analyzed : 09/22/25 22:37
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.065	0.050	0.013	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-05
 Client ID : 4A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 09:55
 Date Received : 09/09/25
 Date Analyzed : 09/22/25 22:25
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.075	0.050	0.013	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-06
 Client ID : 4B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 10:55
 Date Received : 09/09/25
 Date Analyzed : 09/22/25 22:13
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.062	0.050	0.013	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-07
Client ID : 2A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 44,300.0
Lab File ID : WG2118199-200-201
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 11:45
Date Received : 09/09/25
Date Analyzed : 09/22/25 22:01
Dilution Factor : 1
Analyst : AVT,
Instrument ID : IC3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.063	0.050	0.013	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-08
 Client ID : 2B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 11:55
 Date Received : 09/09/25
 Date Analyzed : 09/22/25 21:49
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.061	0.050	0.013	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-09
 Client ID : 8A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 12:45
 Date Received : 09/09/25
 Date Analyzed : 09/22/25 21:37
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.117	0.050	0.013	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-10
 Client ID : 8B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 13:05
 Date Received : 09/09/25
 Date Analyzed : 09/22/25 21:25
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.054	0.050	0.013	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2556676-11
Client ID : 9A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 44,300.0
Lab File ID : WG2118199-200-201
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/09/25 14:10
Date Received : 09/09/25
Date Analyzed : 09/22/25 21:13
Dilution Factor : 1
Analyst : AVT,
Instrument ID : IC3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.053	0.050	0.013	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2556676-12
 Client ID : 9B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : 09/09/25 14:30
 Date Received : 09/09/25
 Date Analyzed : 09/22/25 23:50
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.051	0.050	0.013	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2118199-1
Client ID : WG2118199-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 44,300.0
Lab File ID : WG2118199-200-201
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/22/25 16:47
Dilution Factor : 1
Analyst : AVT,
Instrument ID : IC3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	ND	0.050	0.013	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2118200-1
 Client ID : WG2118200-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2556676
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/22/25 17:11
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	ND	0.050	0.013	U



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2118200-4
Client ID : WG2118200-4 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 44,300.0
Lab File ID : WG2118199-200-201
Sample Amount :
Digestion Method :

Lab Number : L2556676
Project Number : BSD1504
Date Collected : 09/10/25 12:20
Date Received : 09/10/25
Date Analyzed : 09/23/25 02:51
Dilution Factor : 1
Analyst : AVT,
Instrument ID : IC3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.068	0.050	0.013	

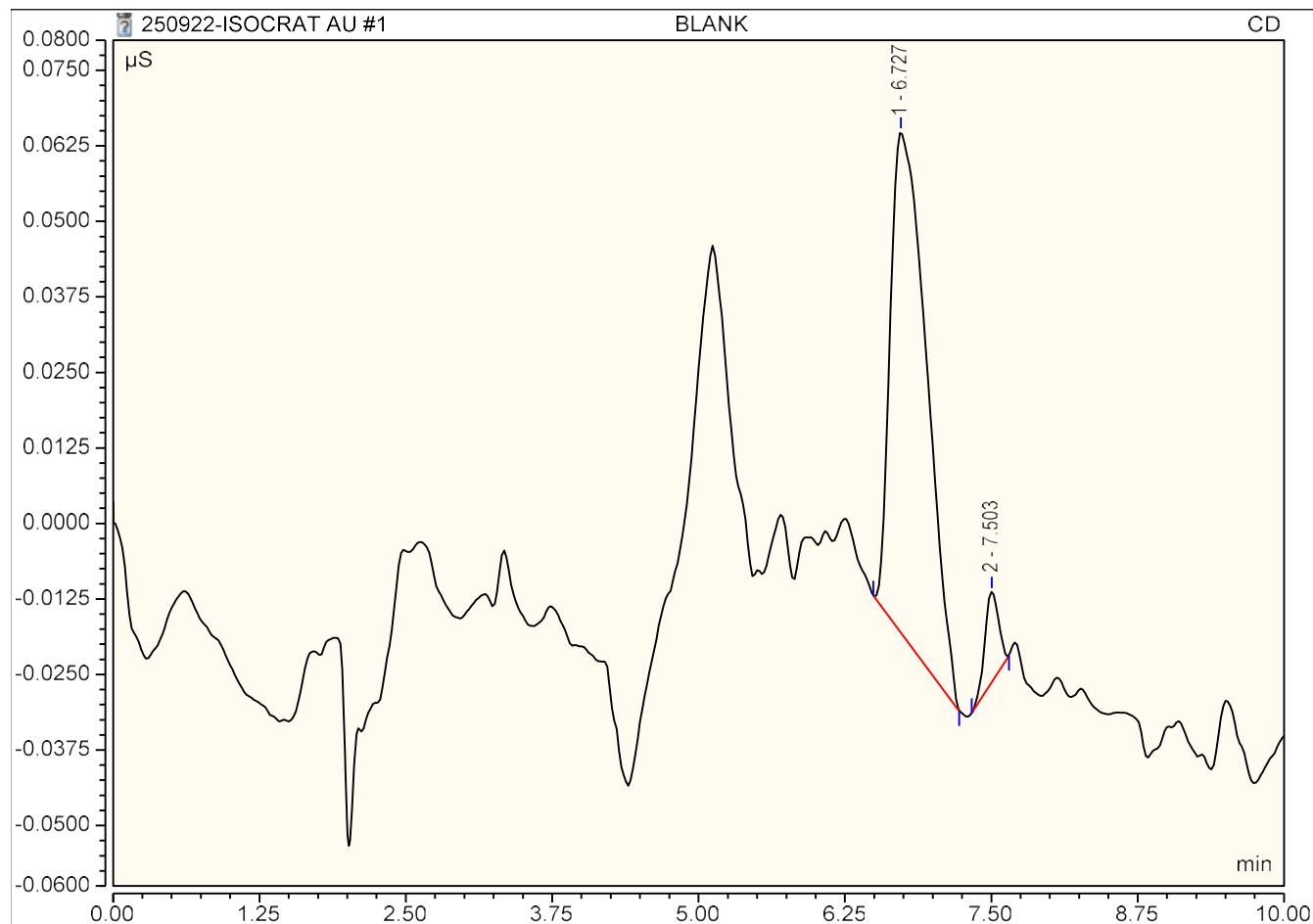


Sample Raw Data

Peak Integration Report

Sample Name:	BLANK	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 14:38	Run Time:	10.00

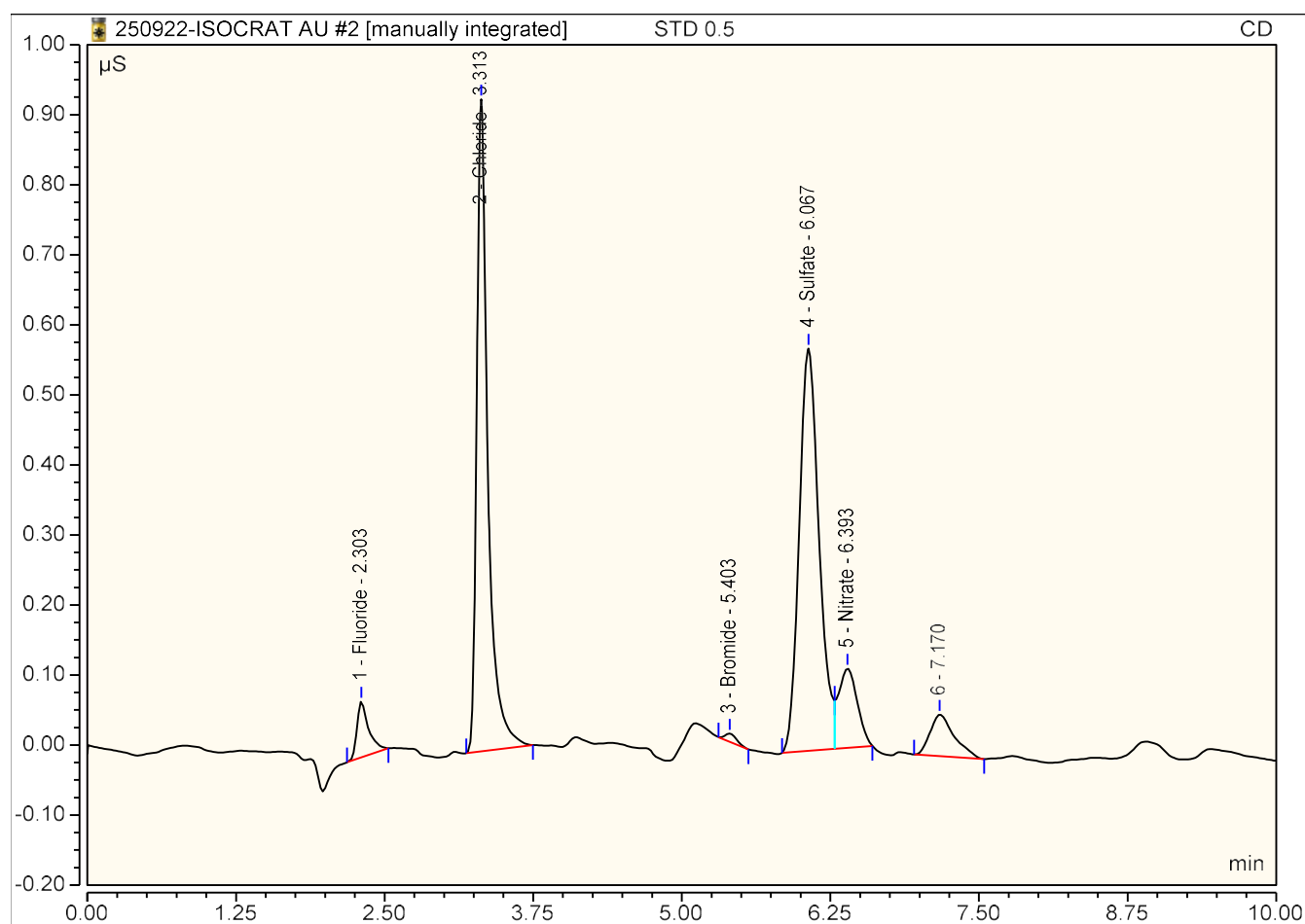
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount n.a.
TOTAL:				0.00	0.00	0.00



Peak Integration Report

Sample Name:	STD 0.5	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 14:50	Run Time:	10.00

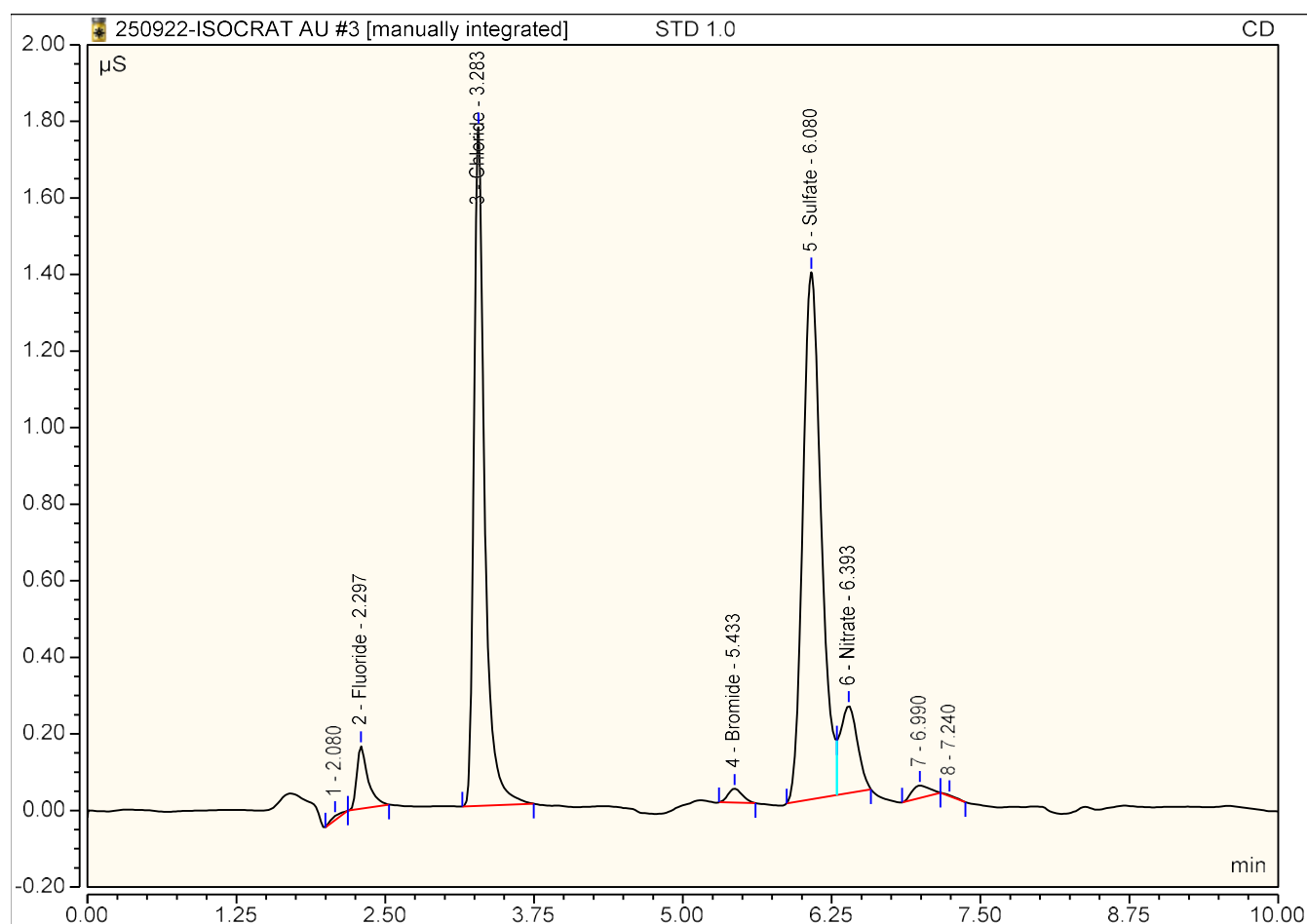
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.30	Fluoride	BMB	0.009	0.080	0.0477
2	3.31	Chloride	BMB	0.101	0.931	0.3531
3	5.40	Bromide	BMB*	0.001	0.012	0.0483
4	6.07	Sulfate	BM *	0.111	0.574	0.7372
5	6.39	Nitrate	MB*	0.021	0.113	0.0335
TOTAL:				0.24	1.71	1.22



Peak Integration Report

Sample Name:	STD 1.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 15:02	Run Time:	10.00

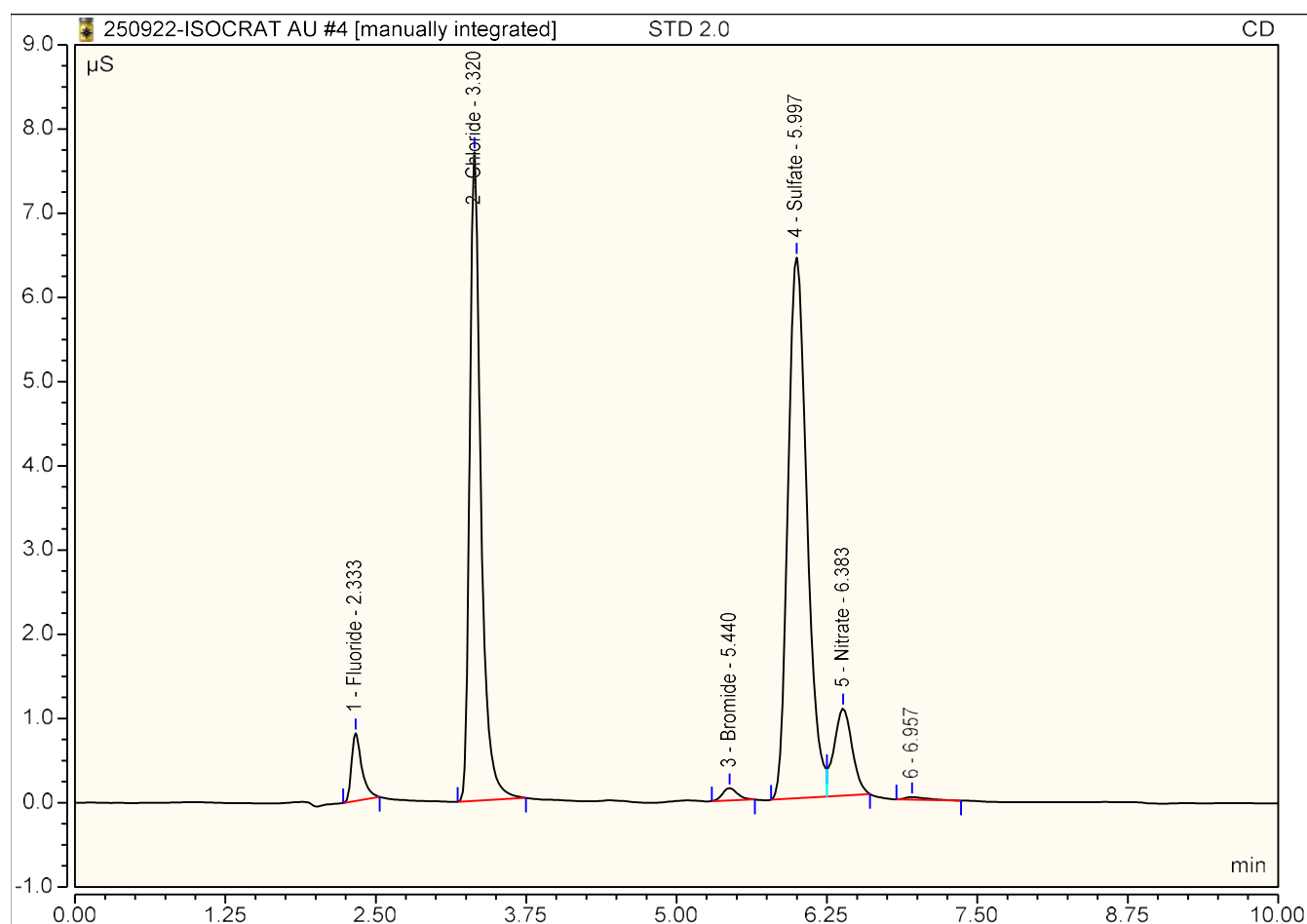
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.018	0.164	0.0627
3	3.28	Chloride	BMB	0.187	1.773	0.5505
4	5.43	Bromide	BMB*	0.005	0.036	0.0747
5	6.08	Sulfate	BM *	0.245	1.376	1.1732
6	6.39	Nitrate	MB*	0.038	0.228	0.0486
TOTAL:				0.49	3.58	1.91



Peak Integration Report

Sample Name:	STD 2.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 15:14	Run Time:	10.00

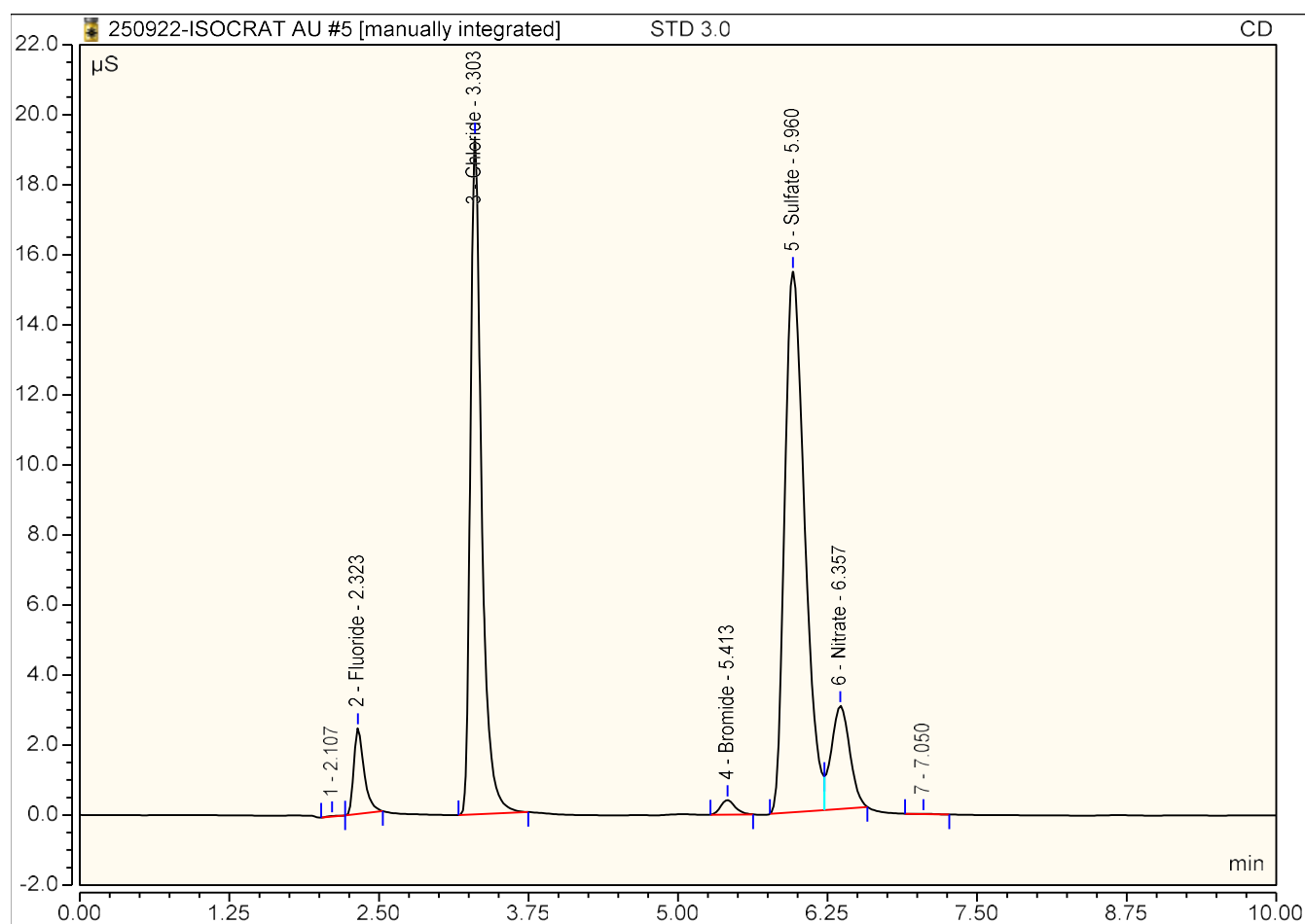
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	0.080	0.806	0.1692
2	3.32	Chloride	BMB	0.835	7.704	2.0467
3	5.44	Bromide	BMB*	0.021	0.148	0.1893
4	6.00	Sulfate	BM *	1.177	6.419	4.2111
5	6.38	Nitrate	MB*	0.181	1.035	0.1711
TOTAL:				2.29	16.11	6.79



Peak Integration Report

Sample Name:	STD 3.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 15:26	Run Time:	10.00

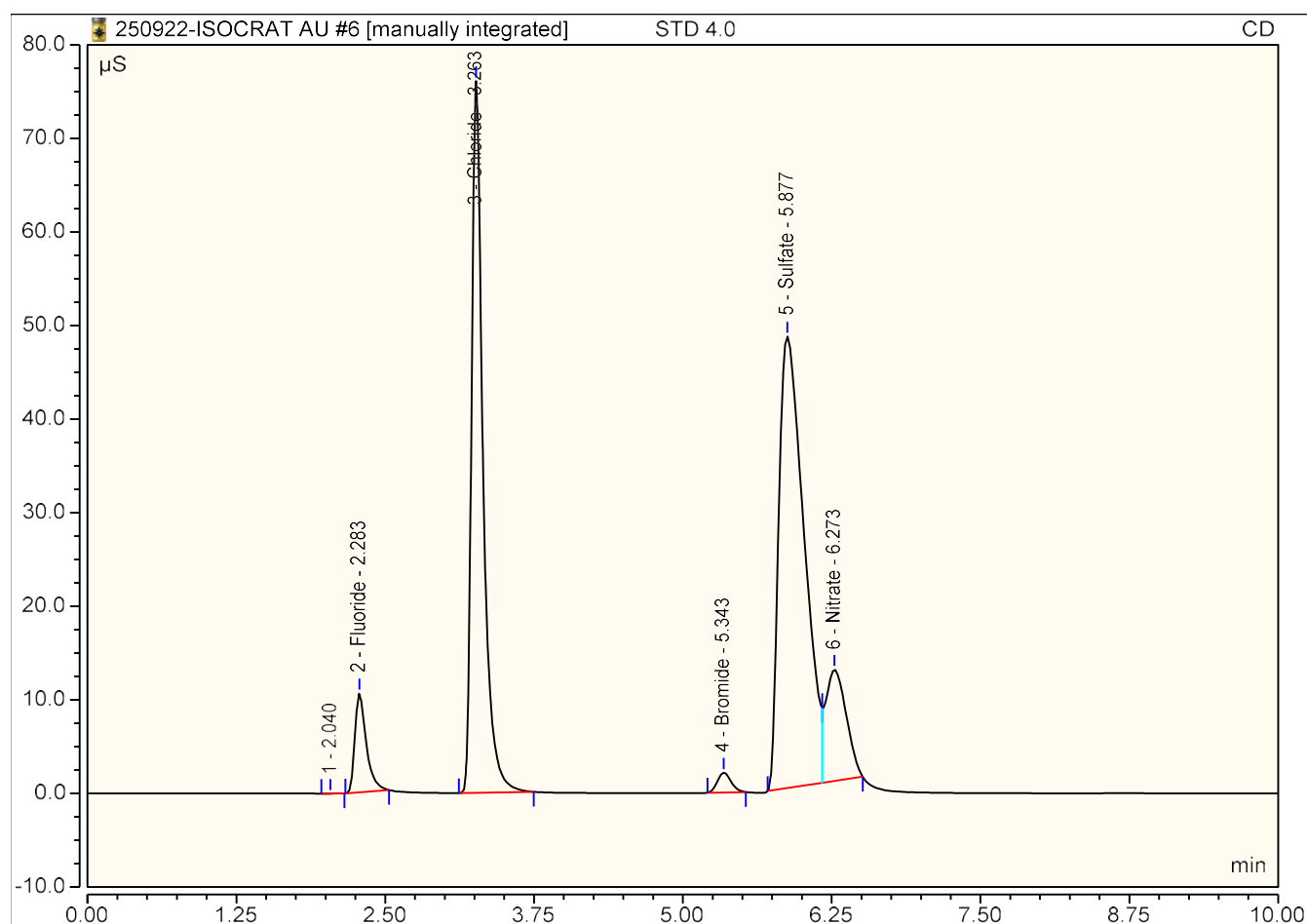
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.245	2.462	0.4538
3	3.30	Chloride	BMB	2.108	19.337	4.9808
4	5.41	Bromide	BMB*	0.058	0.417	0.4500
5	5.96	Sulfate	BM *	2.985	15.439	10.1018
6	6.36	Nitrate	MB*	0.530	2.946	0.4714
TOTAL:				5.93	40.60	16.46



Peak Integration Report

Sample Name:	STD 4.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 15:38	Run Time:	10.00

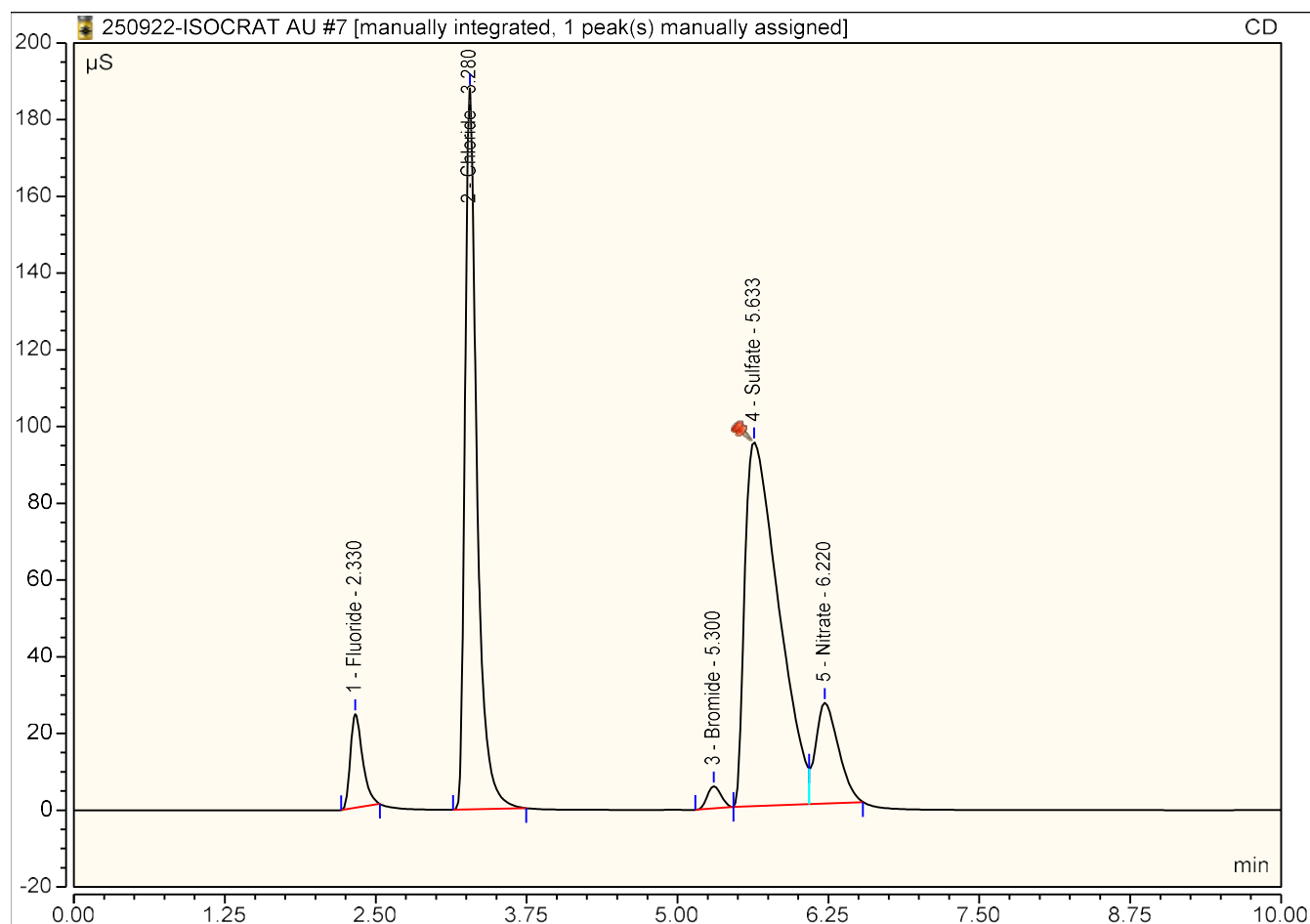
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	1.177	10.580	2.0599
3	3.26	Chloride	BMB	8.490	76.047	19.6998
4	5.34	Bromide	BMB*	0.279	2.109	2.0127
5	5.88	Sulfate	BM *	11.802	48.270	38.8305
6	6.27	Nitrate	MB*	2.396	11.901	2.0773
TOTAL:				24.14	148.91	64.68



Peak Integration Report

Sample Name:	STD 5.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 15:50	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	2.872	24.427	4.9817
2	3.28	Chloride	BMB	21.681	187.916	50.1191
3	5.30	Bromide	BMB*	0.761	5.788	5.4201
4	5.63	Sulfate	BM ^A	30.713	94.924	100.4463
5	6.22	Nitrate	MB*	5.762	26.251	4.9731
TOTAL:				61.79	339.31	165.94

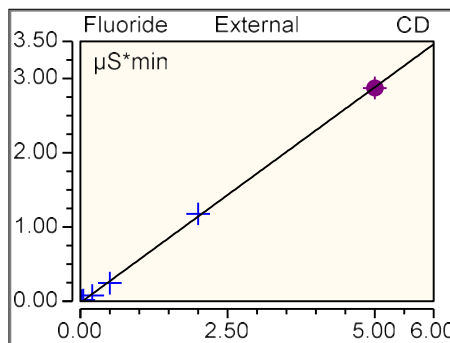


Calibration Batch Report

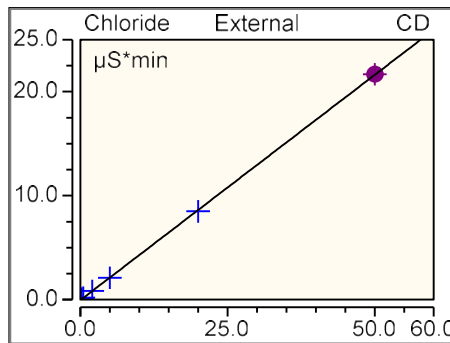
Sequence:	250922-ISOCRAT AU	Injection Volume:	25.00
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 15:50	Run Time:	10

Calibration Summary							
Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	in, WithOffset	6.000	-0.019	0.580	0.000	99.9600
Chloride	Area	in, WithOffset	6.000	-0.052	0.434	0.000	99.9938
Bromide	Area	in, WithOffset	5.000	-0.005	0.142	0.000	99.8576
Sulfate	Area	in, WithOffset	6.000	-0.115	0.307	0.000	99.9778
Nitrate	Area	in, WithOffset	6.000	-0.018	1.162	0.000	99.9562
AVERAGE:				-0.0419	0.5249	0.0000	99.9491

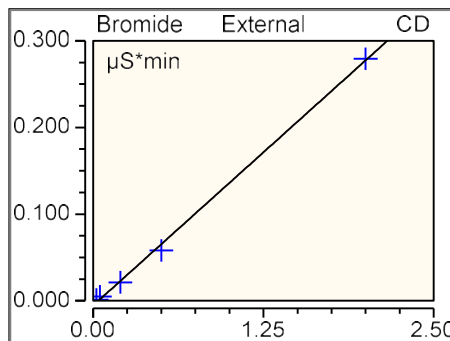
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Fluoride 2.303	Fluoride 0.0091	Fluoride 0.080	Fluoride 0.048
STD 1.0	2.297	0.0178	0.164	0.063
STD 2.0	2.333	0.0796	0.806	0.169
STD 3.0	2.323	0.2447	2.462	0.454
STD 4.0	2.283	1.1768	10.580	2.060
STD 5.0	2.330	2.8725	24.427	4.982
Average	2.312			
Rel. Std. Dev.	0.874 %			



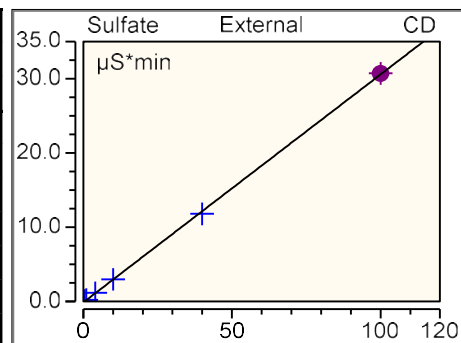
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Chloride 3.313	Chloride 0.1010	Chloride 0.931	Chloride 0.353
STD 1.0	3.283	0.1866	1.773	0.550
STD 2.0	3.320	0.8354	7.704	2.047
STD 3.0	3.303	2.1077	19.337	4.981
STD 4.0	3.263	8.4902	76.047	19.700
STD 5.0	3.280	21.6809	187.916	50.119
Average	3.294			
Rel. Std. Dev.	0.663 %			



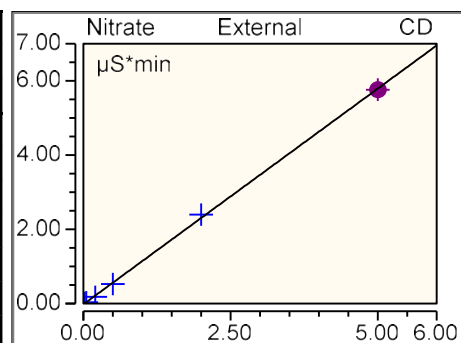
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Bromide 5.403	Bromide 0.0013	Bromide 0.012	Bromide 0.048
STD 1.0	5.433	0.0051	0.036	0.075
STD 2.0	5.440	0.0213	0.148	0.189
STD 3.0	5.413	0.0582	0.417	0.450
STD 4.0	5.343	0.2793	2.109	2.013
STD 5.0	5.300	0.7615	5.788	5.420
Average	5.389			
Rel. Std. Dev.	1.029 %			



Injection Name	Ret. Time min CD	Area $\mu\text{S} \cdot \text{min}$ CD	Height μS CD	Amount CD
STD 0.5	Sulfate 6.067	Sulfate 0.1113	Sulfate 0.574	Sulfate 0.737
STD 1.0	6.080	0.2451	1.376	1.173
STD 2.0	5.997	1.1775	6.419	4.211
STD 3.0	5.960	2.9854	15.439	10.102
STD 4.0	5.877	11.8025	48.270	38.831
STD 5.0	5.633	30.7128	94.924	100.446
Average	5.936			
Rel. Std. Dev.	2.791 %			



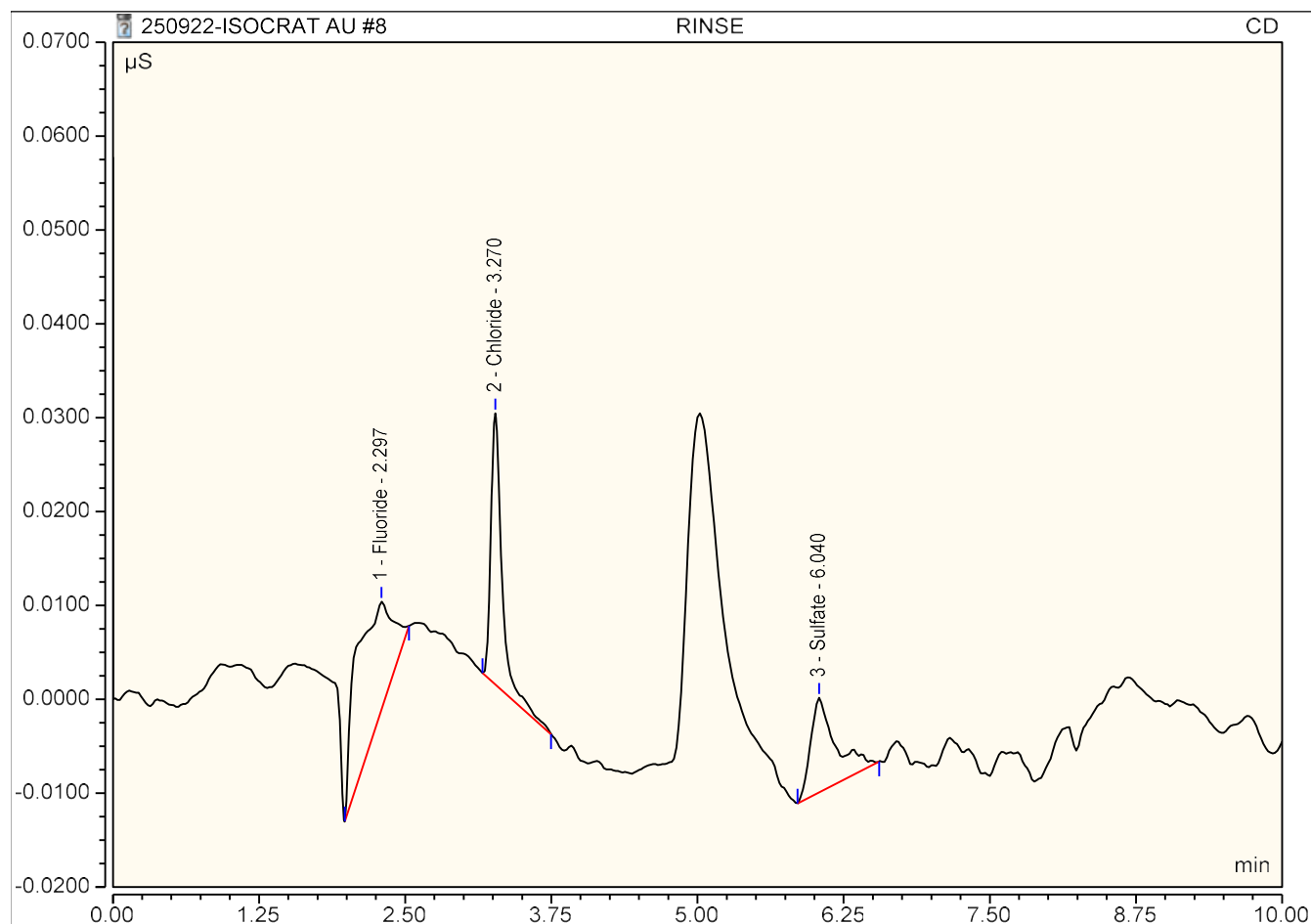
Injection Name	Ret. Time min CD	Area $\mu\text{S} \cdot \text{min}$ CD	Height μS CD	Amount CD
STD 0.5	Nitrate 6.393	Nitrate 0.0208	Nitrate 0.113	Nitrate 0.034
STD 1.0	6.393	0.0383	0.228	0.049
STD 2.0	6.383	0.1806	1.035	0.171
STD 3.0	6.357	0.5297	2.946	0.471
STD 4.0	6.273	2.3962	11.901	2.077
STD 5.0	6.220	5.7619	26.251	4.973
Average	6.337			
Rel. Std. Dev.	1.152 %			



Peak Integration Report

Sample Name:	RINSE	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 15:46	Run Time:	10.00

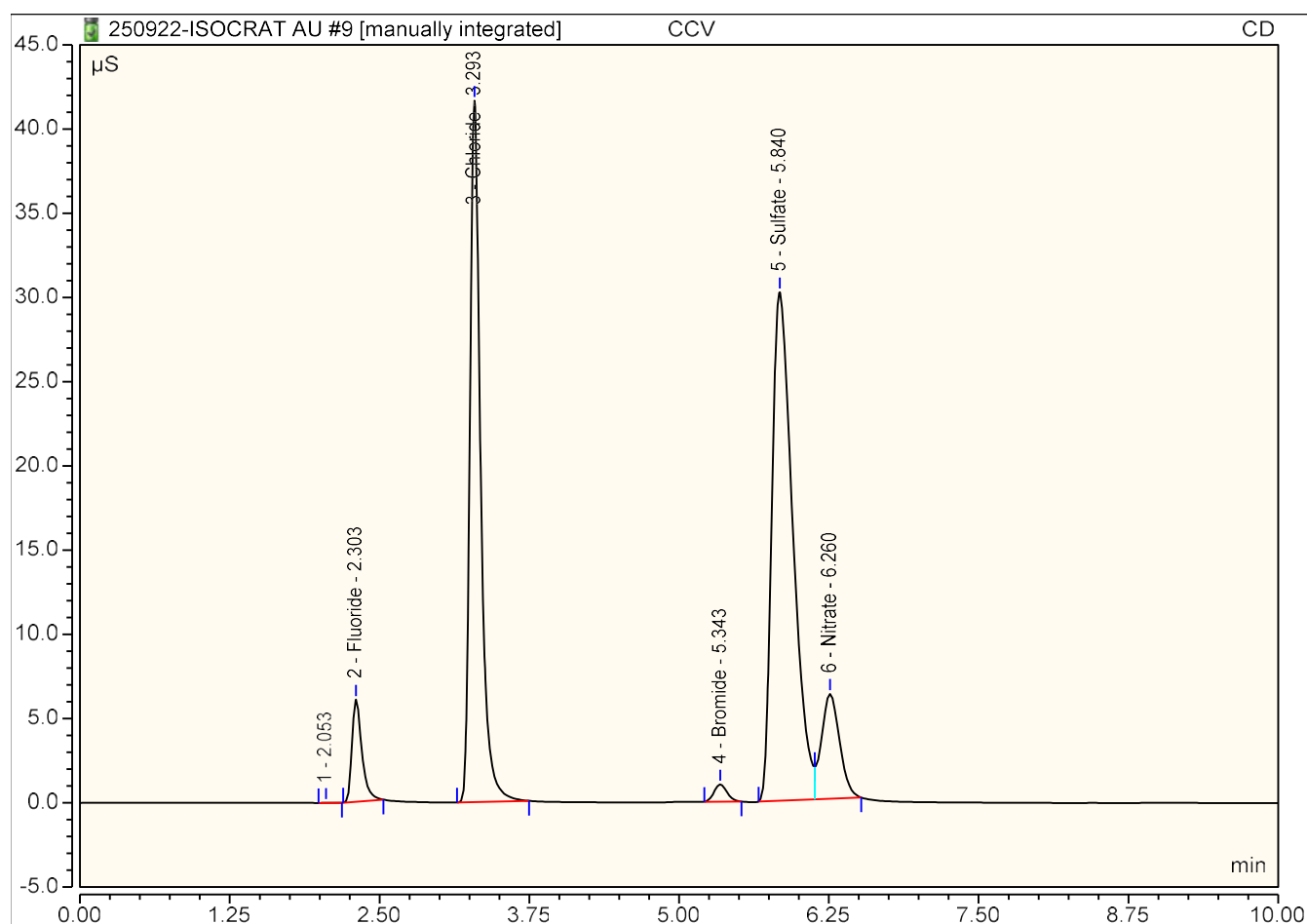
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.30	Fluoride	BMB	0.005	0.012	0.0405
2	3.27	Chloride	BMB	0.003	0.029	0.1276
3	6.04	Sulfate	BMB	0.002	0.010	0.3826
TOTAL:				0.01	0.05	0.55



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 15:58	Run Time:	10.00

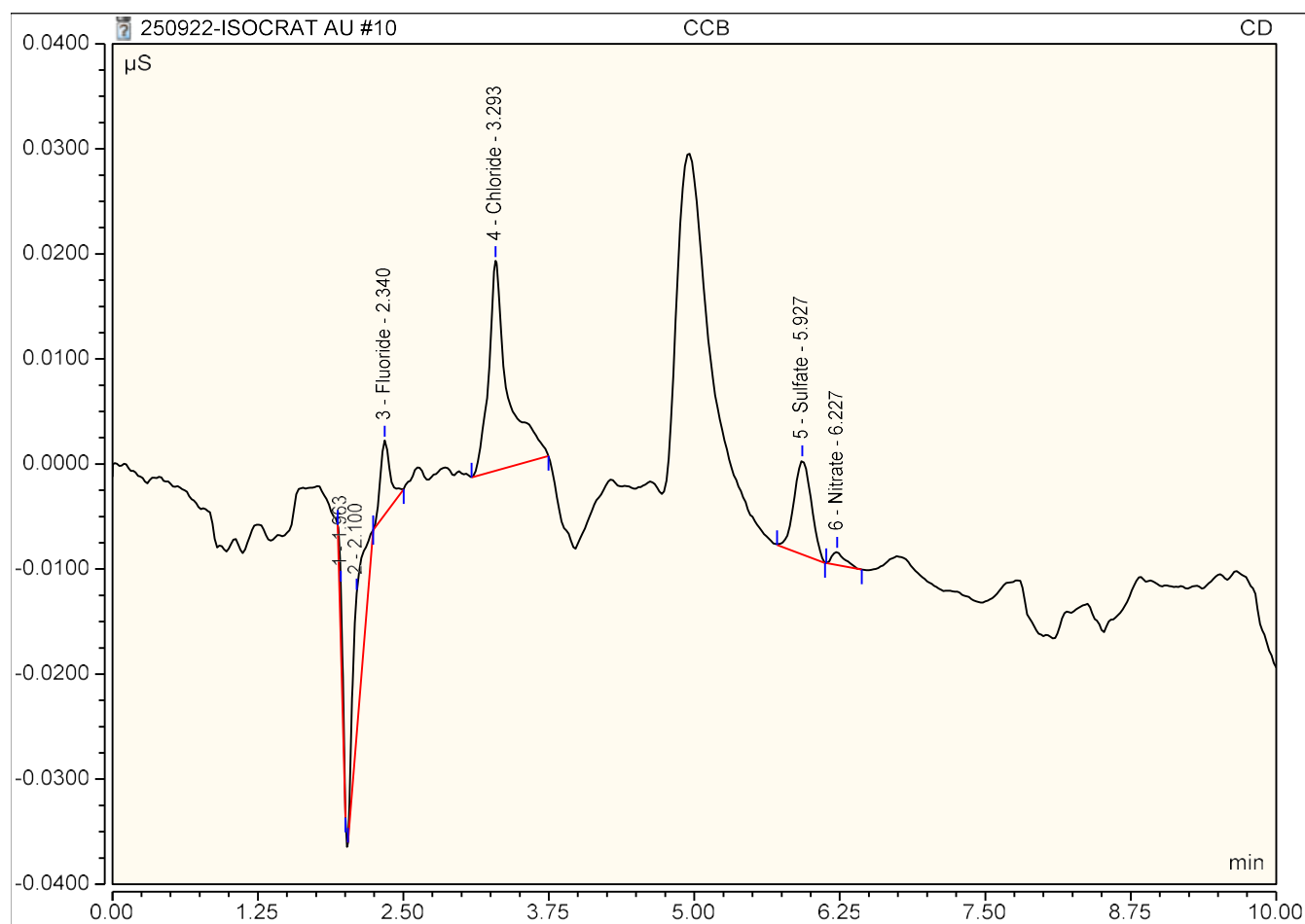
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.578	6.056	1.0284
3	3.29	Chloride	BMB	4.323	41.643	10.0896
4	5.34	Bromide	BMB*	0.128	1.024	0.9448
5	5.84	Sulfate	BM *	6.114	30.181	20.2950
6	6.26	Nitrate	MB*	1.096	6.231	0.9587
TOTAL:				12.24	85.14	33.32



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 16:11	Run Time:	10.00

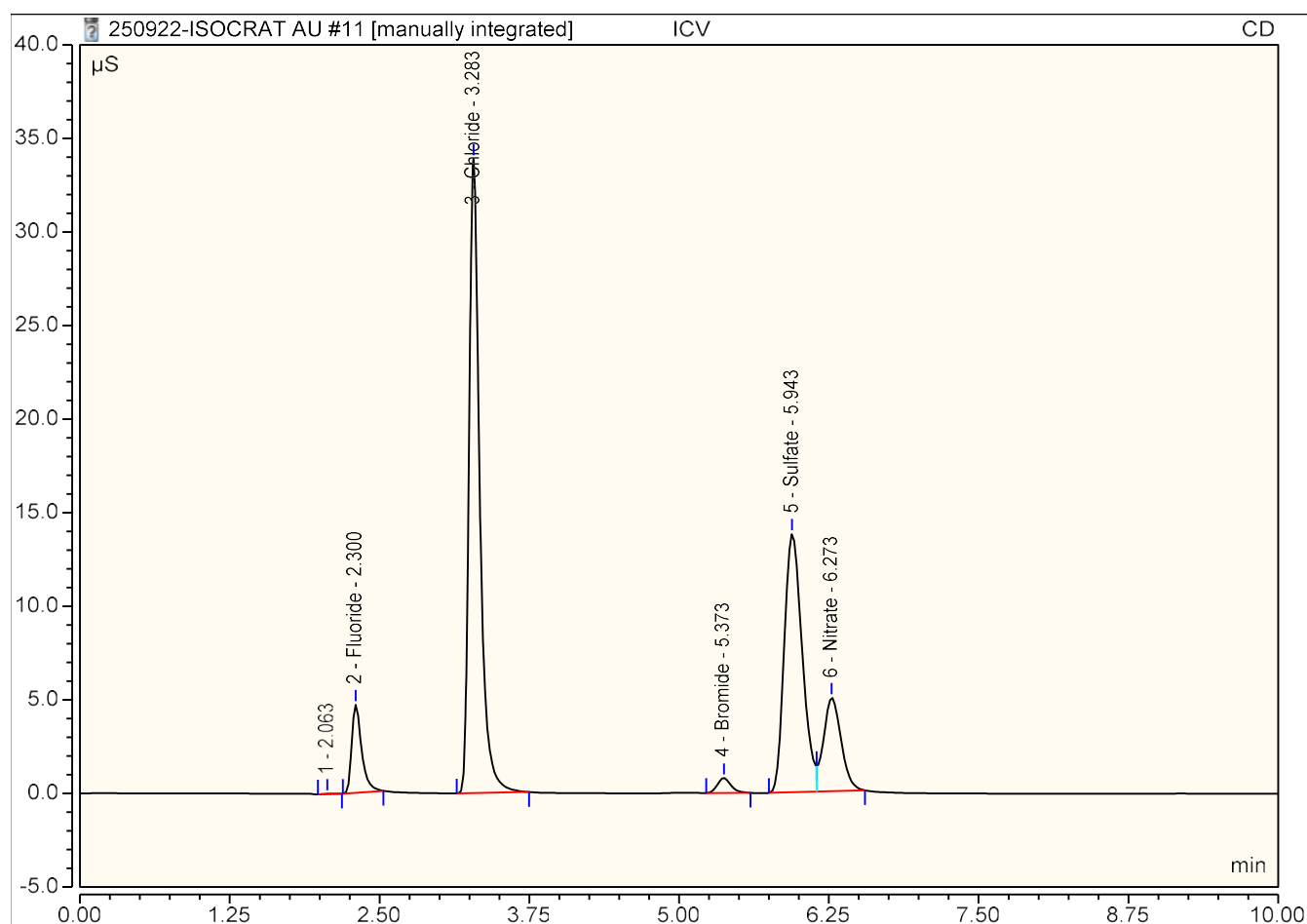
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
3	2.34	Fluoride	BMB	0.001	0.007	0.0333
4	3.29	Chloride	BMB	0.004	0.020	0.1291
5	5.93	Sulfate	BMB	0.002	0.009	0.3796
6	6.23	Nitrate	BMB	0.000	0.001	0.0158
TOTAL:				0.01	0.04	0.56



Peak Integration Report

Sample Name:	ICV	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 16:23	Run Time:	10.00

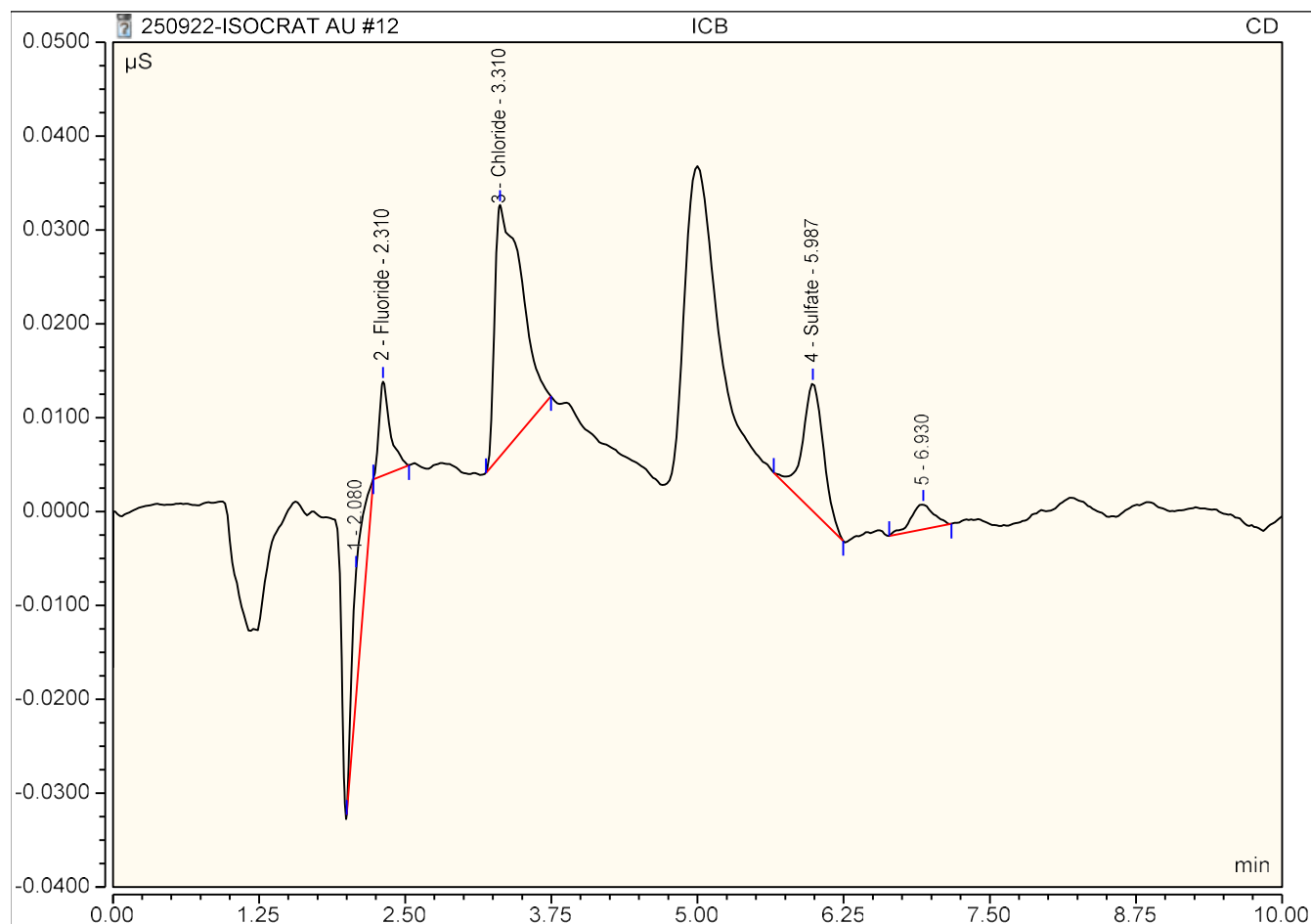
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.448	4.705	0.8043
3	3.28	Chloride	BMB	3.519	33.887	8.2363
4	5.37	Bromide	BMB*	0.103	0.794	0.7696
5	5.94	Sulfate	BM *	2.395	13.806	8.1766
6	6.27	Nitrate	MB*	0.854	4.989	0.7501
TOTAL:				7.32	58.18	18.74



Peak Integration Report

Sample Name:	ICB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 16:35	Run Time:	10.00

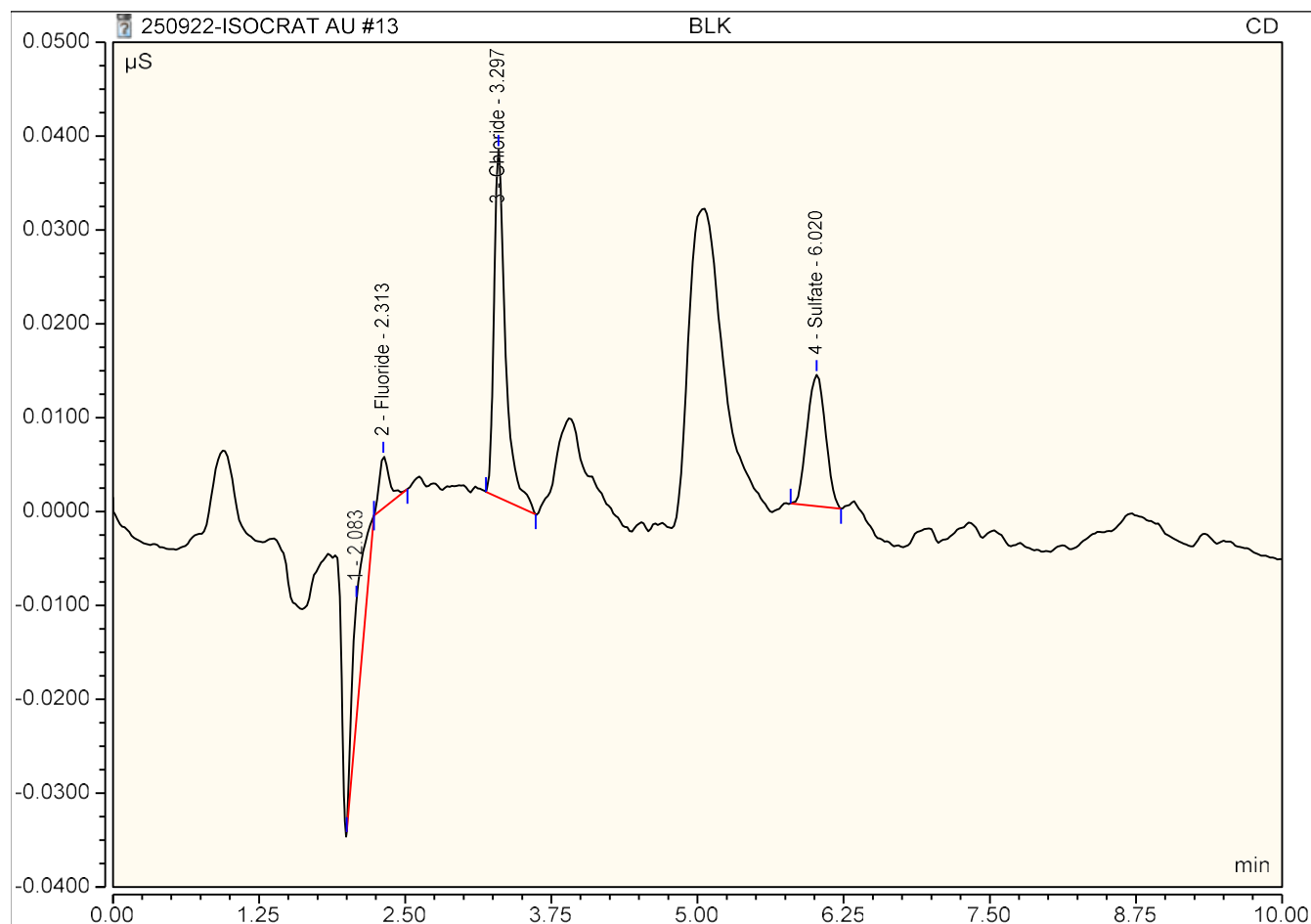
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.001	0.010	0.0340
3	3.31	Chloride	BMB	0.007	0.027	0.1363
4	5.99	Sulfate	BMB	0.003	0.014	0.3837
TOTAL:				0.01	0.05	0.55



Peak Integration Report

Sample Name:	BLK	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 16:47	Run Time:	10.00

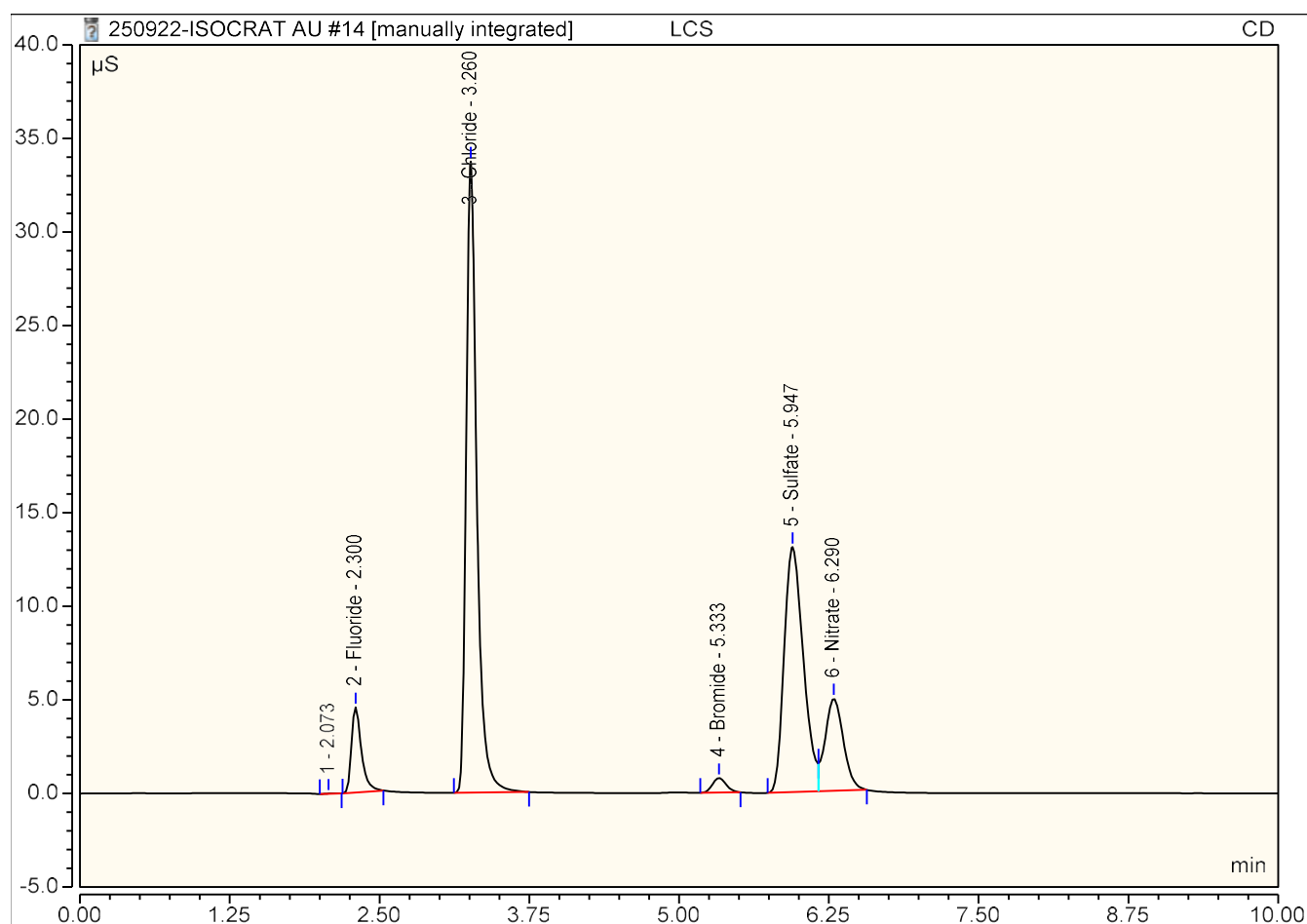
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.001	0.005	0.0331
3	3.30	Chloride	BMB	0.004	0.037	0.1300
4	6.02	Sulfate	BMB	0.003	0.014	0.3829
TOTAL:				0.01	0.06	0.55



Peak Integration Report

Sample Name:	LCS	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 16:59	Run Time:	10.00

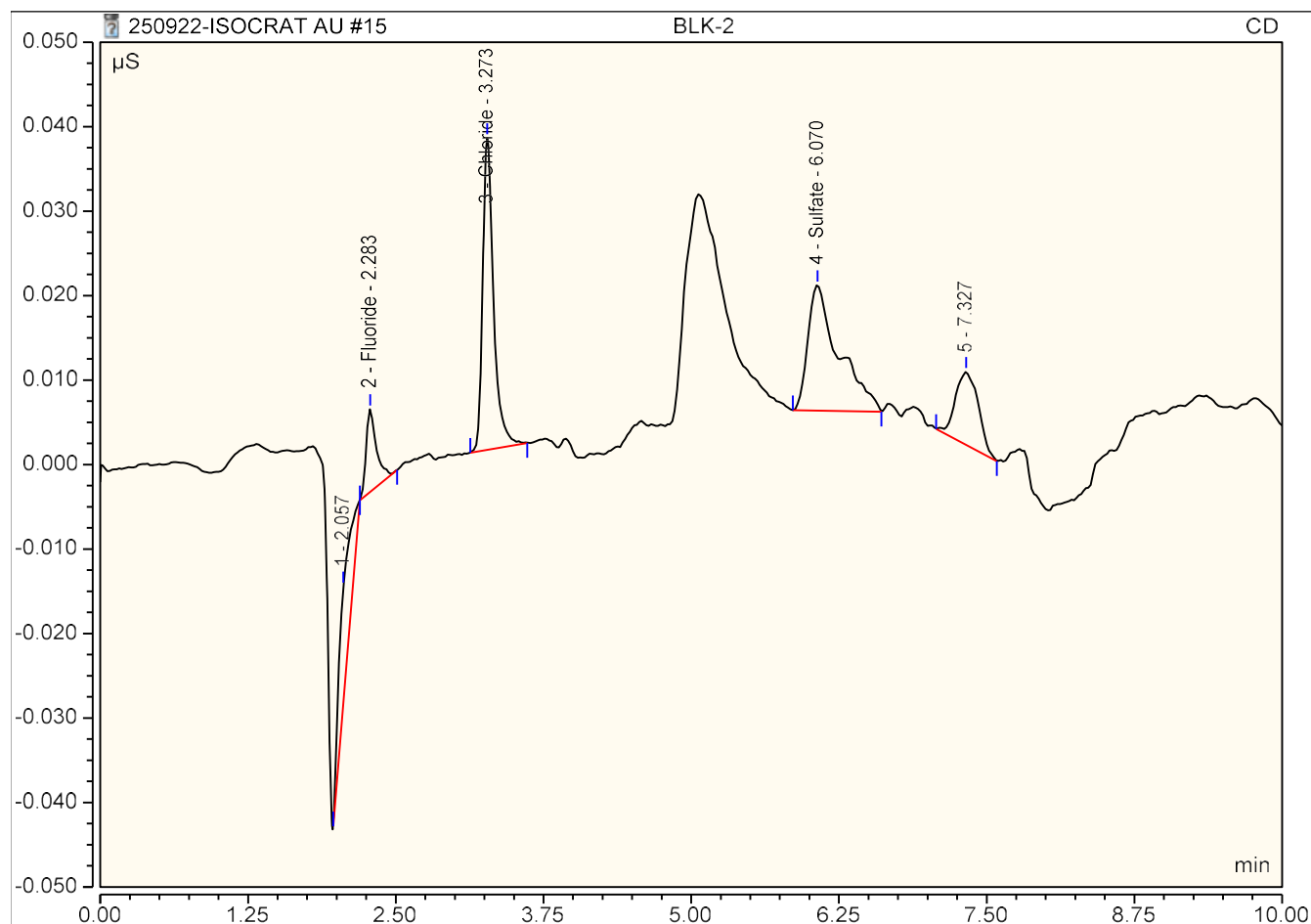
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.436	4.543	0.7826
3	3.26	Chloride	BMB	3.474	33.720	8.1324
4	5.33	Bromide	BMB*	0.104	0.774	0.7743
5	5.95	Sulfate	BM *	2.434	13.089	8.3037
6	6.29	Nitrate	MB*	0.872	4.936	0.7657
TOTAL:				7.32	57.06	18.76



Peak Integration Report

Sample Name:	BLK-2	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 17:11	Run Time:	10.00

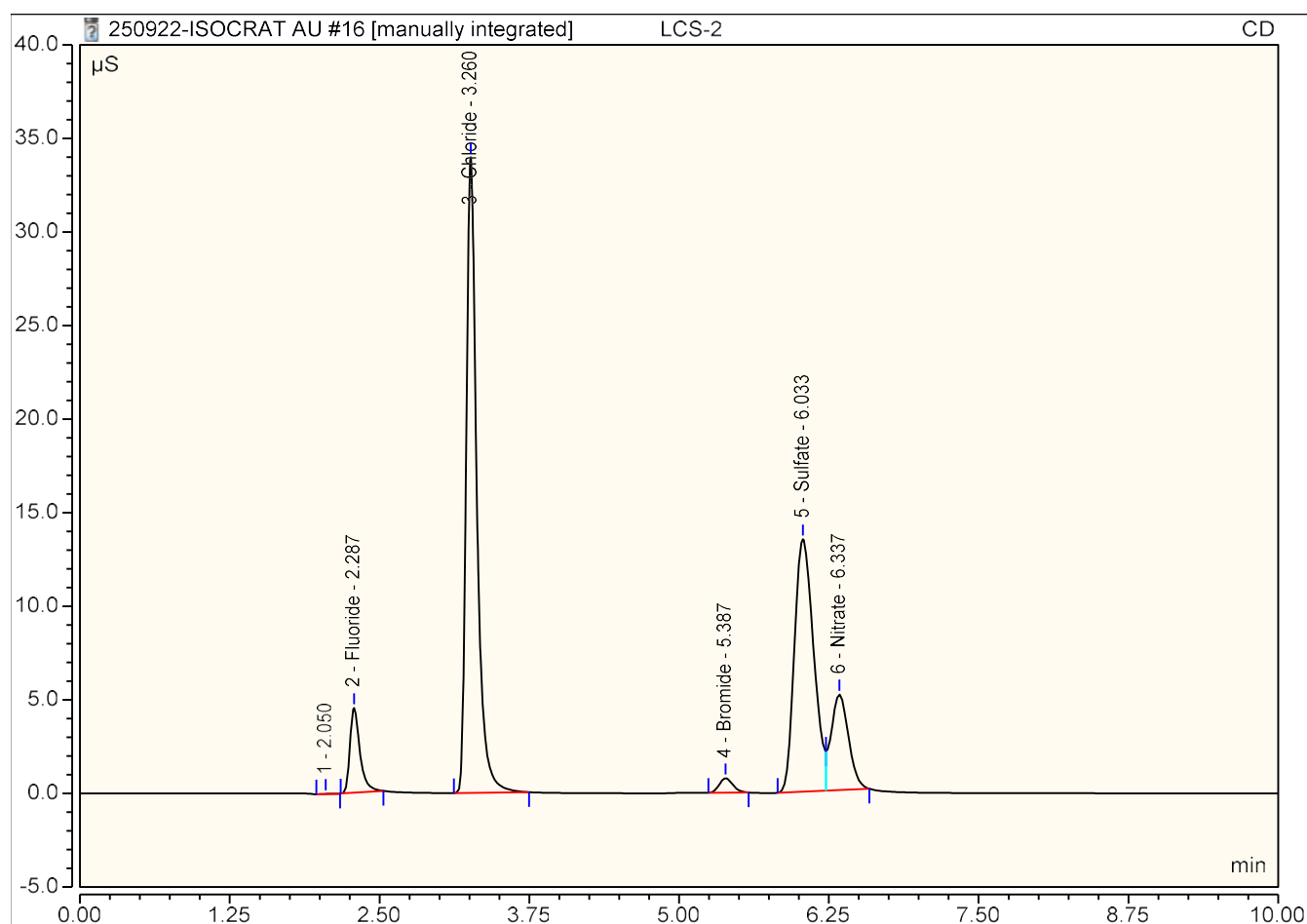
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.001	0.010	0.0338
3	3.27	Chloride	BMB	0.004	0.037	0.1293
4	6.07	Sulfate	BMB	0.004	0.015	0.3891
TOTAL:				0.01	0.06	0.55



Peak Integration Report

Sample Name:	LCS-2	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 17:23	Run Time:	10.00

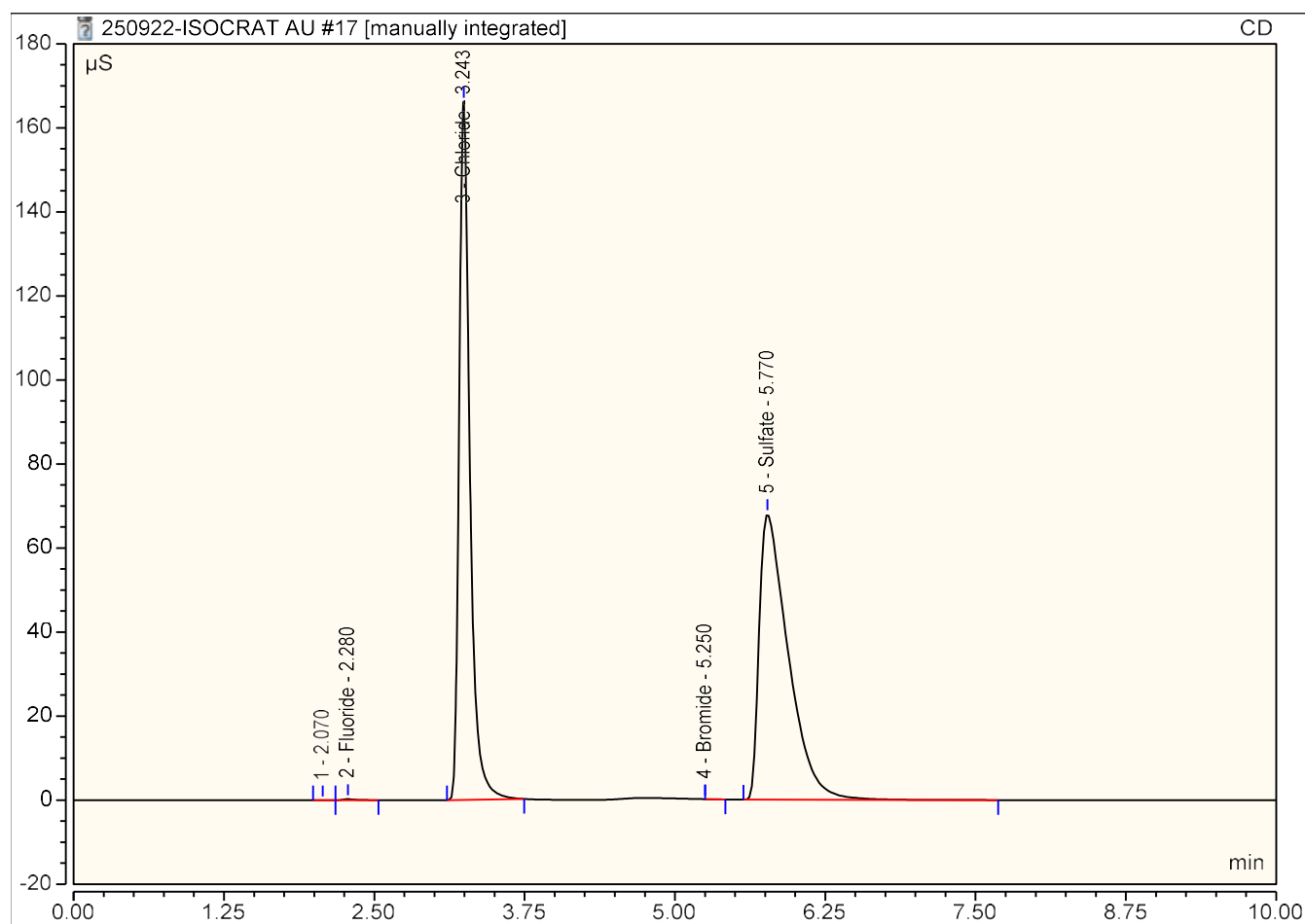
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.435	4.536	0.7823
3	3.26	Chloride	BMB	3.470	33.966	8.1224
4	5.39	Bromide	BMB*	0.102	0.773	0.7584
5	6.03	Sulfate	BM *	2.515	13.496	8.5676
6	6.34	Nitrate	MB*	0.860	5.112	0.7553
TOTAL:				7.38	57.88	18.99



Peak Integration Report

Sample Name:	L2556228-14 CL SO4 BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 17:35	Run Time:	10.00

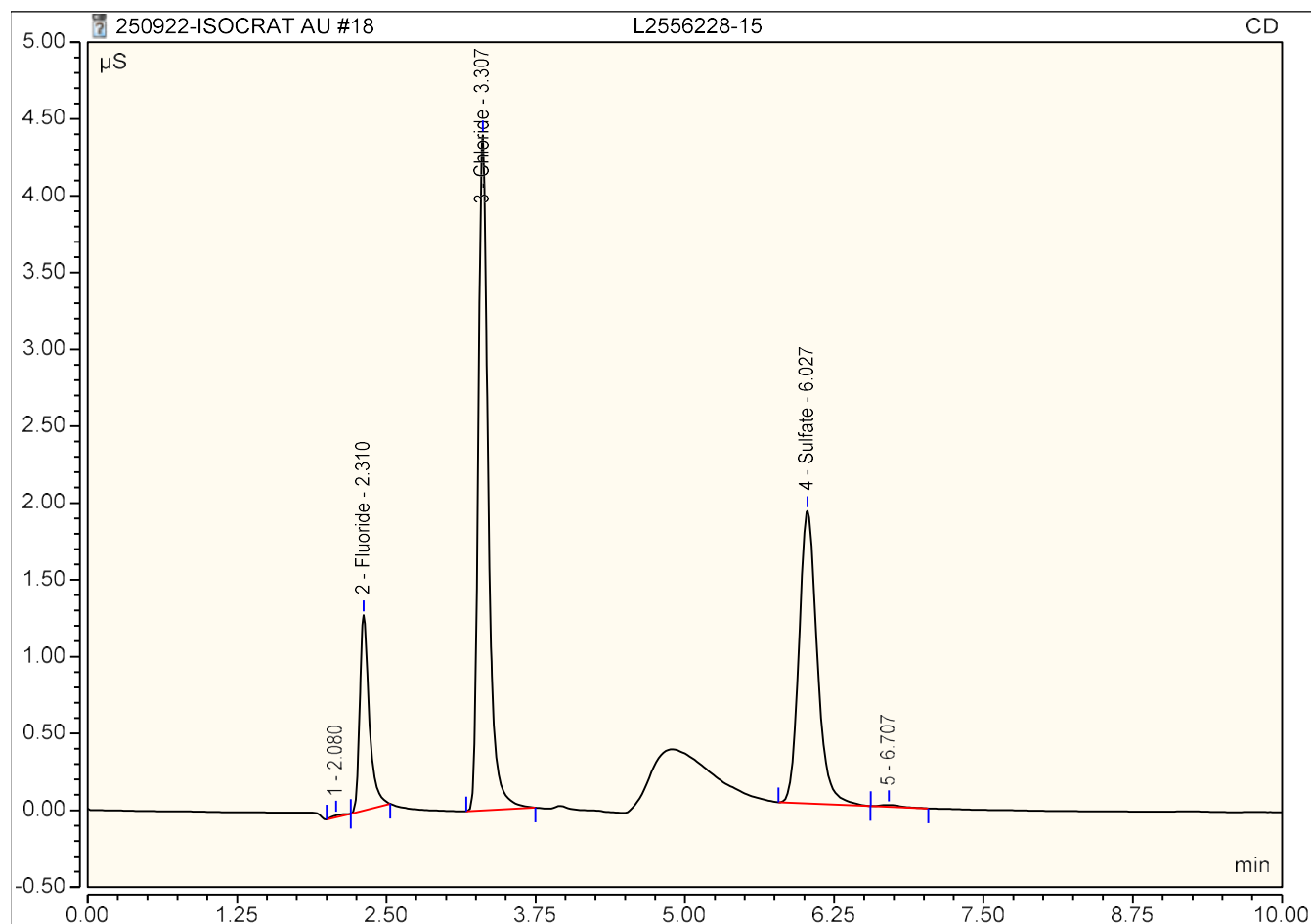
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.029	0.291	0.0821
3	3.24	Chloride	BMB	17.315	166.219	40.0519
4	5.25	Bromide	BMB*	0.001	0.000	0.0448
5	5.77	Sulfate	BMB	19.037	68.029	62.4043
TOTAL:				36.38	234.54	102.58



Peak Integration Report

Sample Name:	L2556228-15	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 17:47	Run Time:	10.00

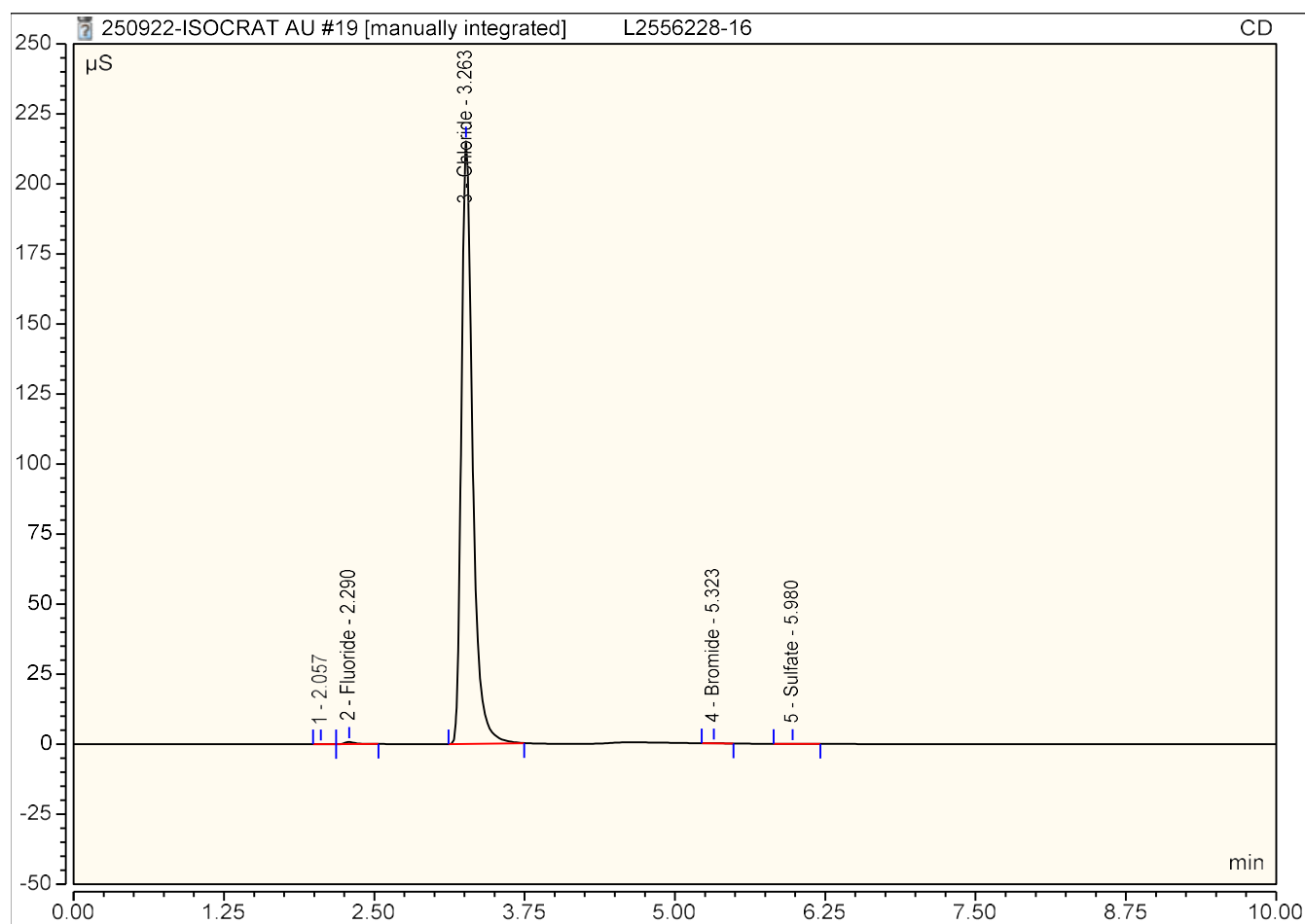
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.117	1.271	0.2335
3	3.31	Chloride	BMB	0.429	4.395	1.1102
4	6.03	Sulfate	BMB	0.336	1.904	1.4708
TOTAL:				0.88	7.57	2.81



Peak Integration Report

Sample Name:	L2556228-16	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 17:59	Run Time:	10.00

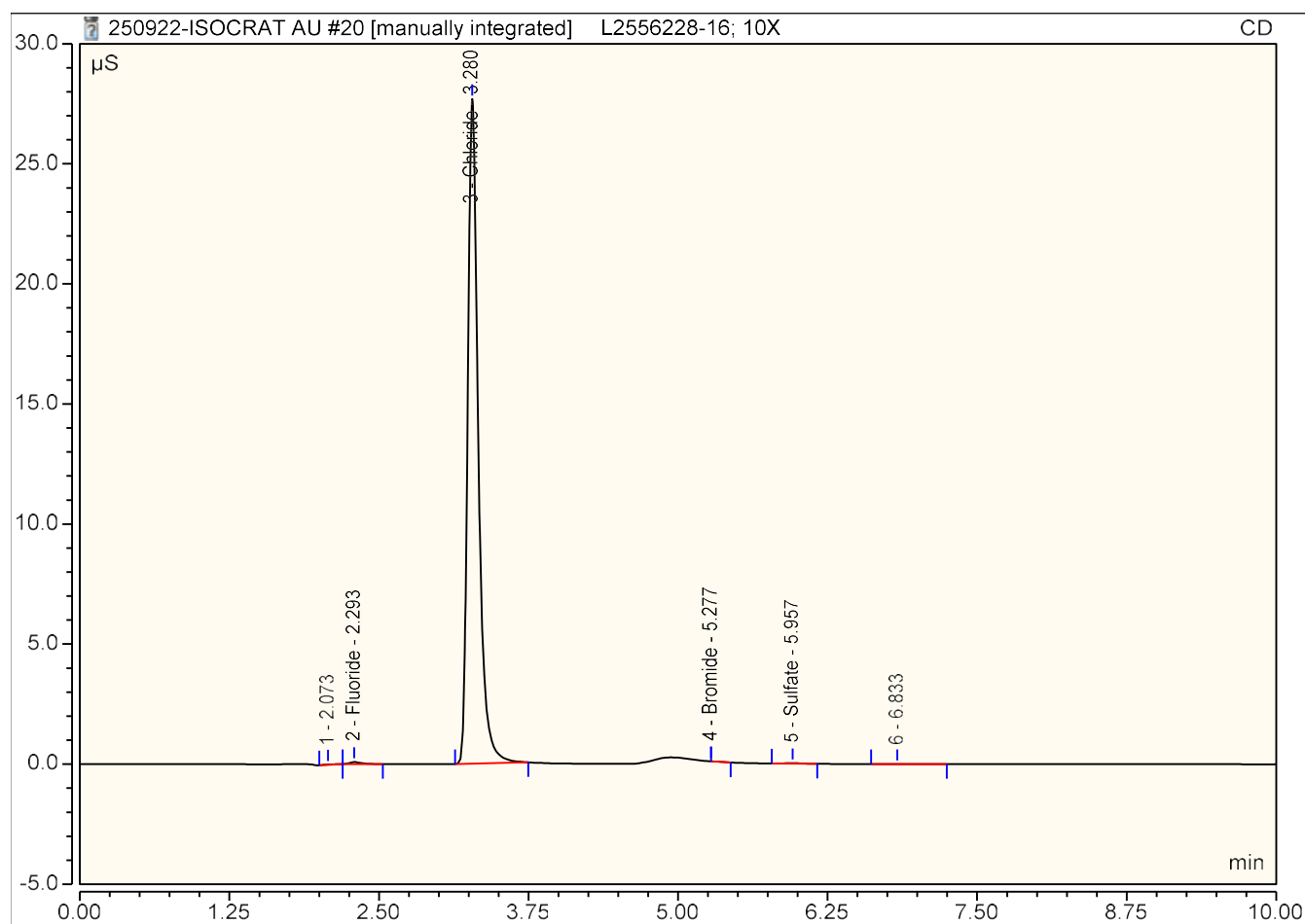
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.078	0.803	0.1665
3	3.26	Chloride	BMB	23.259	215.111	53.7595
4	5.32	Bromide	BMB*	0.010	0.077	0.1098
5	5.98	Sulfate	BMB	0.006	0.031	0.3926
TOTAL:				23.35	216.02	54.43



Peak Integration Report

Sample Name:	L2556228-16; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 18:11	Run Time:	10.00

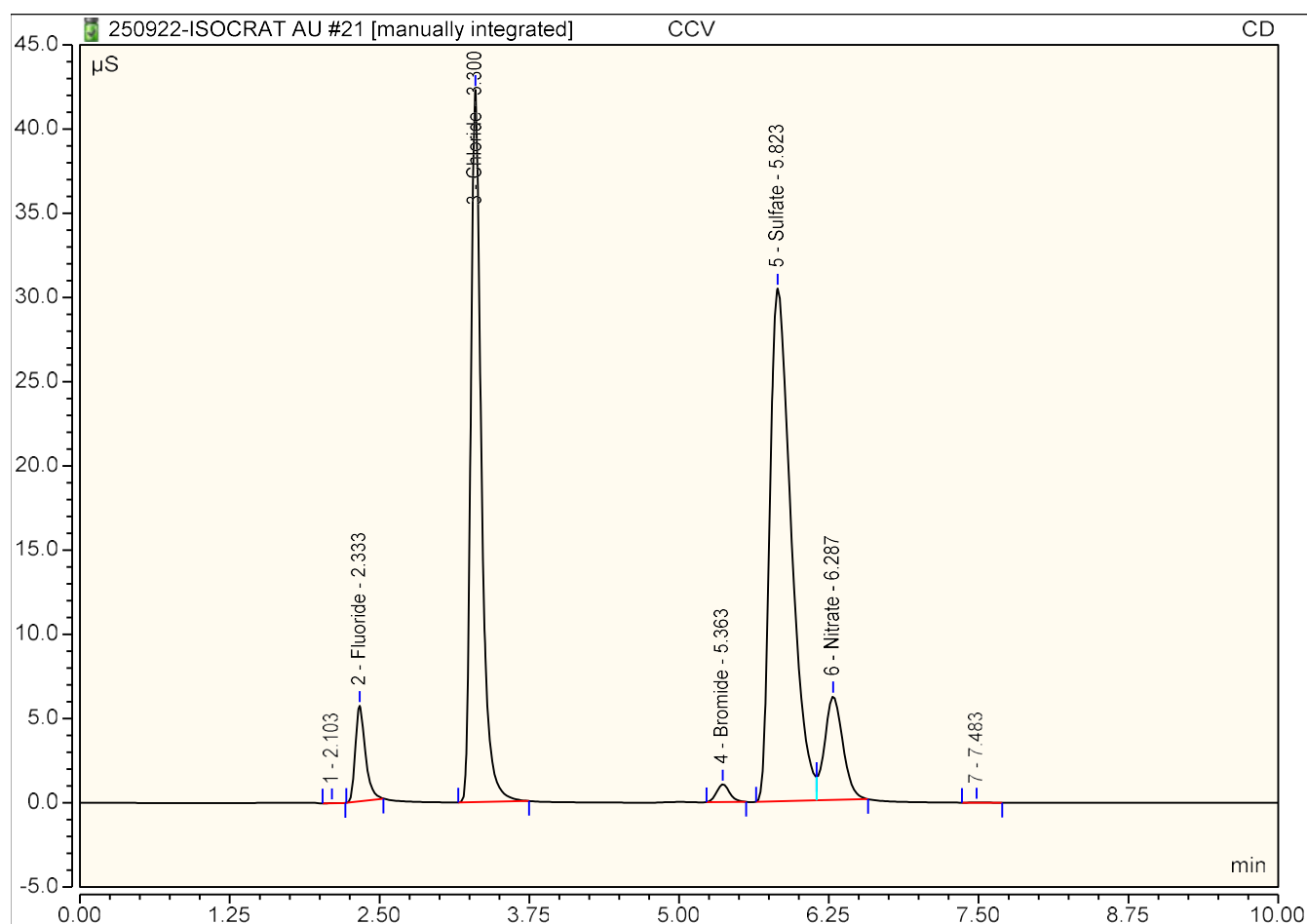
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.009	0.087	0.4776
3	3.28	Chloride	BMB	2.827	27.675	66.3979
4	5.28	Bromide	BMB*	0.000	0.000	0.4169
5	5.96	Sulfate	BMB	0.003	0.018	3.8505
TOTAL:				2.84	27.78	71.14



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 18:24	Run Time:	10.00

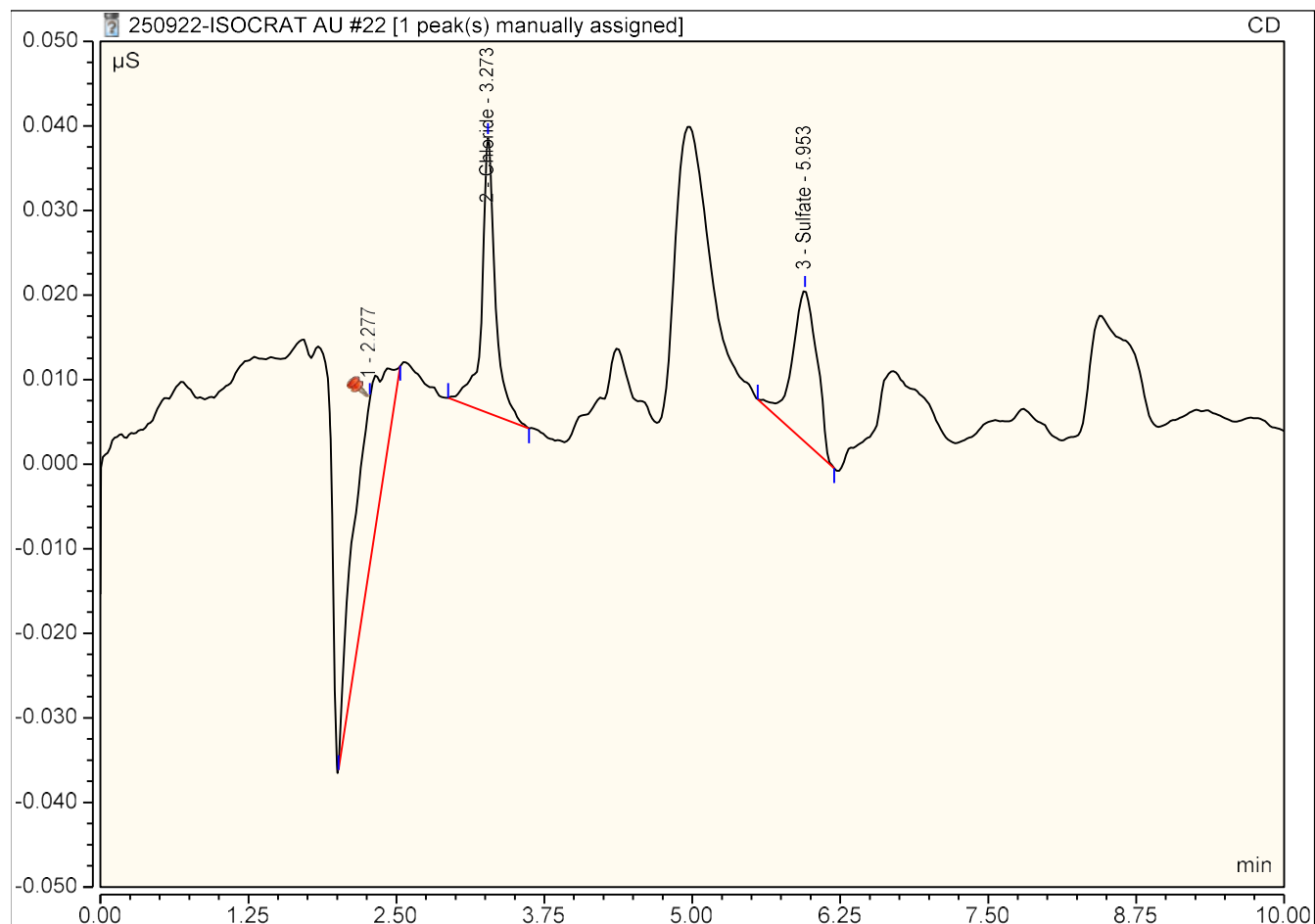
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.551	5.677	0.9812
3	3.30	Chloride	BMB	4.358	42.293	10.1694
4	5.36	Bromide	BMB*	0.132	1.050	0.9735
5	5.82	Sulfate	BM *	6.259	30.442	20.7681
6	6.29	Nitrate	MB*	1.091	6.157	0.9544
TOTAL:				12.39	85.62	33.85



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 18:36	Run Time:	10.00

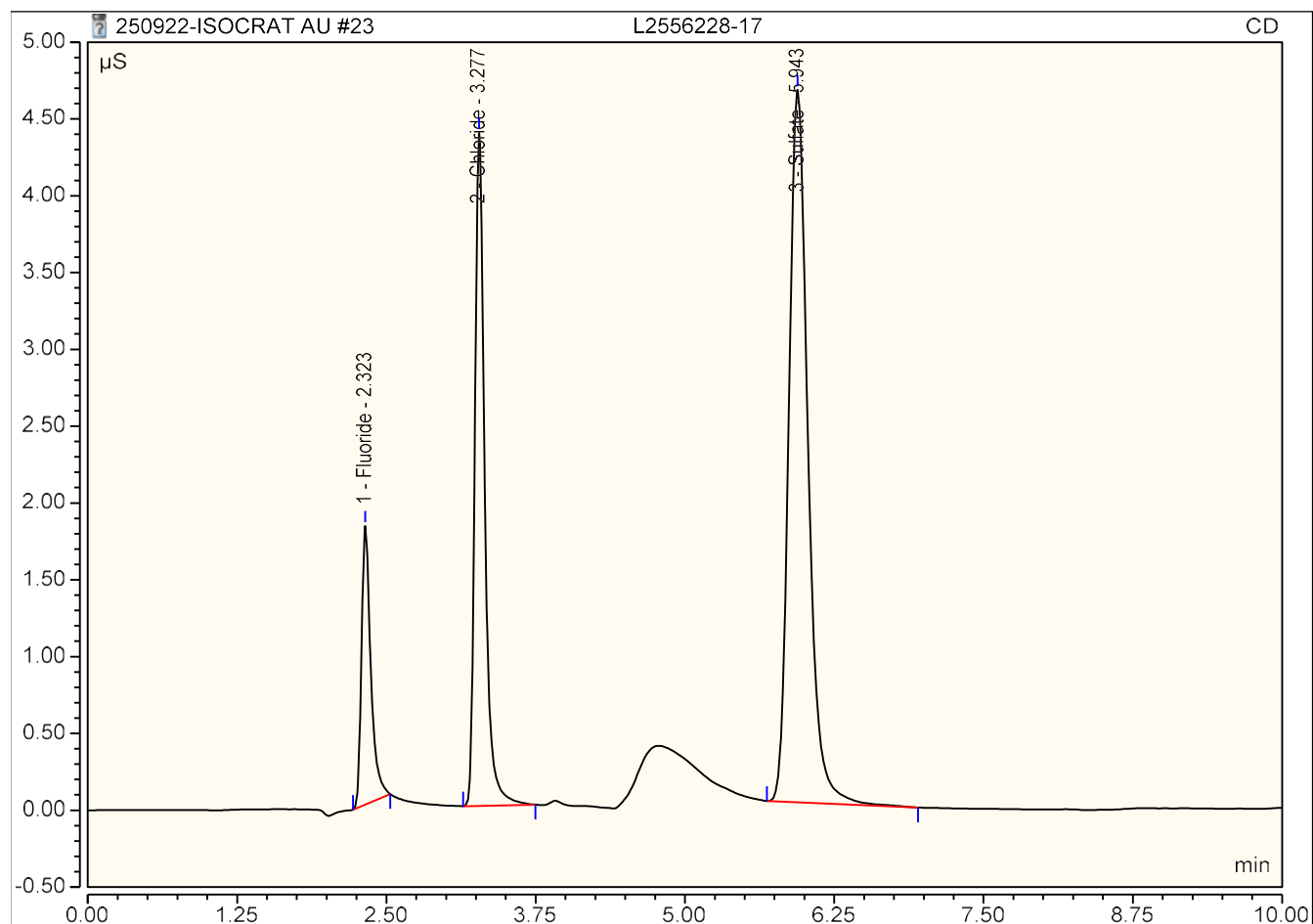
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.27	Chloride	BMB	0.004	0.033	0.1303
3	5.95	Sulfate	BMB	0.004	0.018	0.3885
TOTAL:				0.01	0.05	0.52



Peak Integration Report

Sample Name:	L2556228-17	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 18:48	Run Time:	10.00

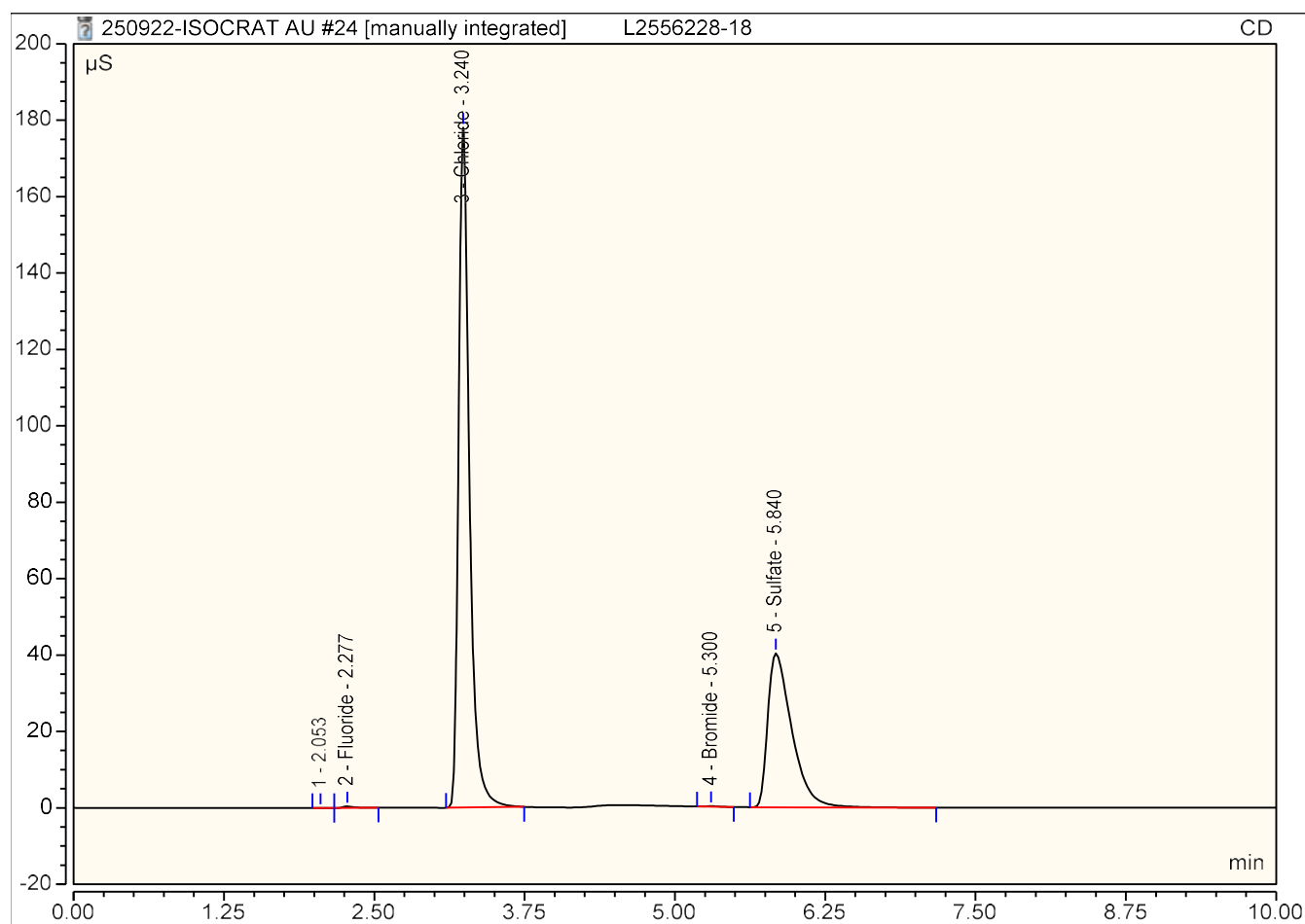
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.32	Fluoride	BMB	0.164	1.815	0.3141
2	3.28	Chloride	BMB	0.420	4.383	1.0895
3	5.94	Sulfate	BMB	0.860	4.637	3.1781
TOTAL:				1.44	10.84	4.58



Peak Integration Report

Sample Name:	L2556228-18	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 19:00	Run Time:	10.00

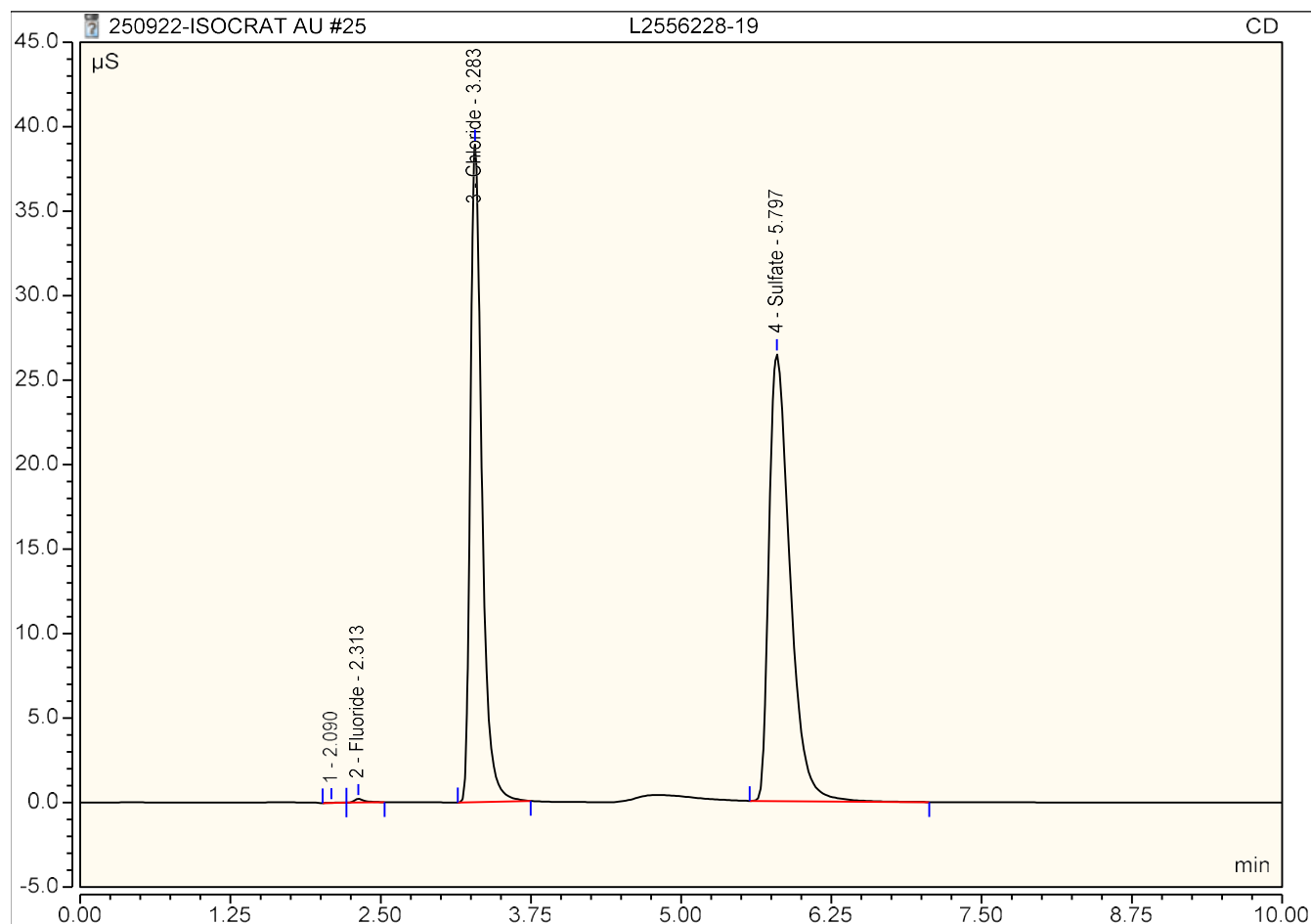
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.041	0.397	0.1020
3	3.24	Chloride	BMB	18.714	177.998	43.2774
4	5.30	Bromide	BMB*	0.018	0.135	0.1626
5	5.84	Sulfate	BMB	9.343	40.339	30.8168
TOTAL:				28.12	218.87	74.36



Peak Integration Report

Sample Name:	L2556228-19	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 19:12	Run Time:	10.00

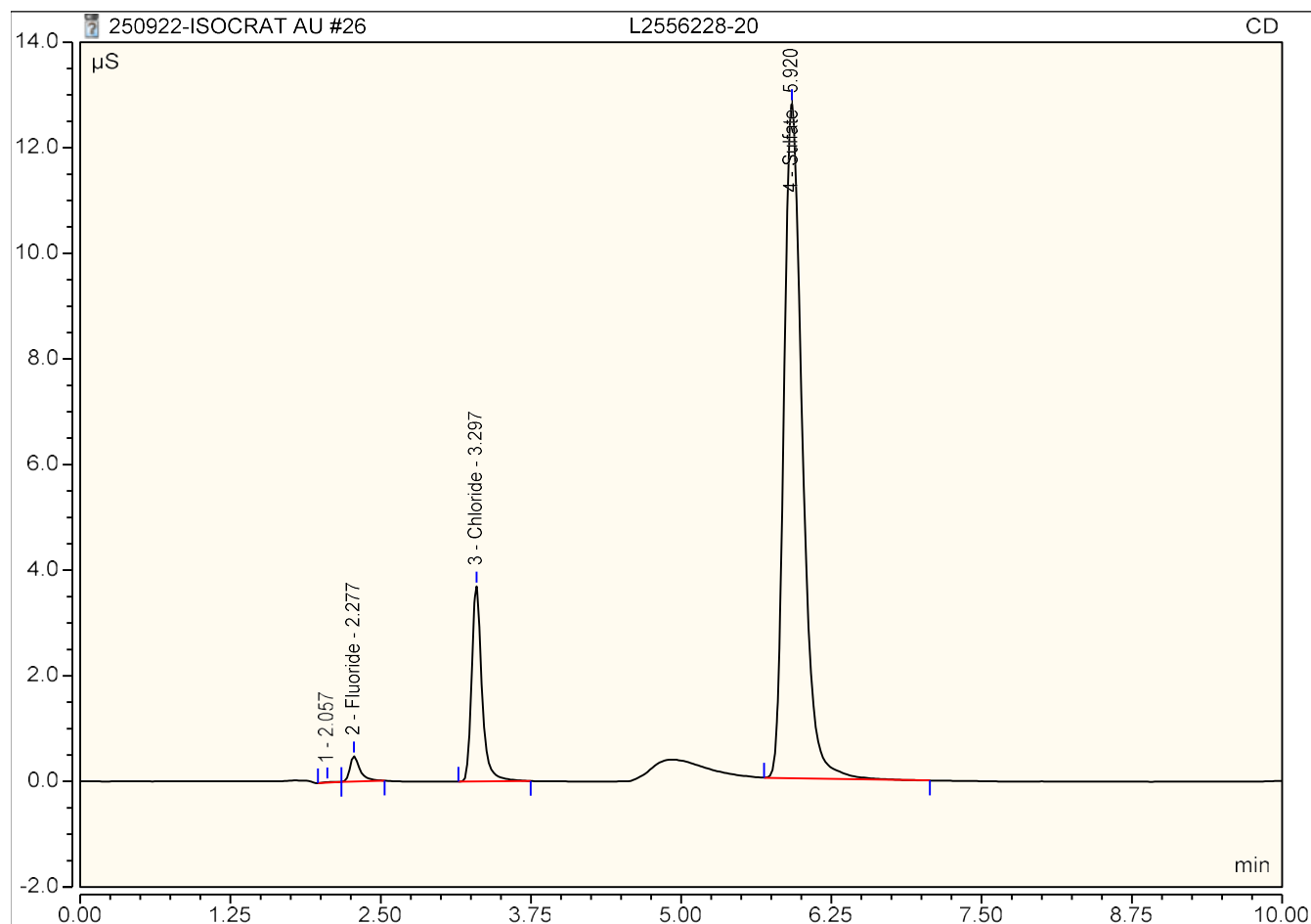
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.021	0.214	0.0684
3	3.28	Chloride	BMB	4.343	38.918	10.1365
4	5.80	Sulfate	BMB	5.369	26.456	17.8668
TOTAL:				9.73	65.59	28.07



Peak Integration Report

Sample Name:	L2556228-20	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 19:24	Run Time:	10.00

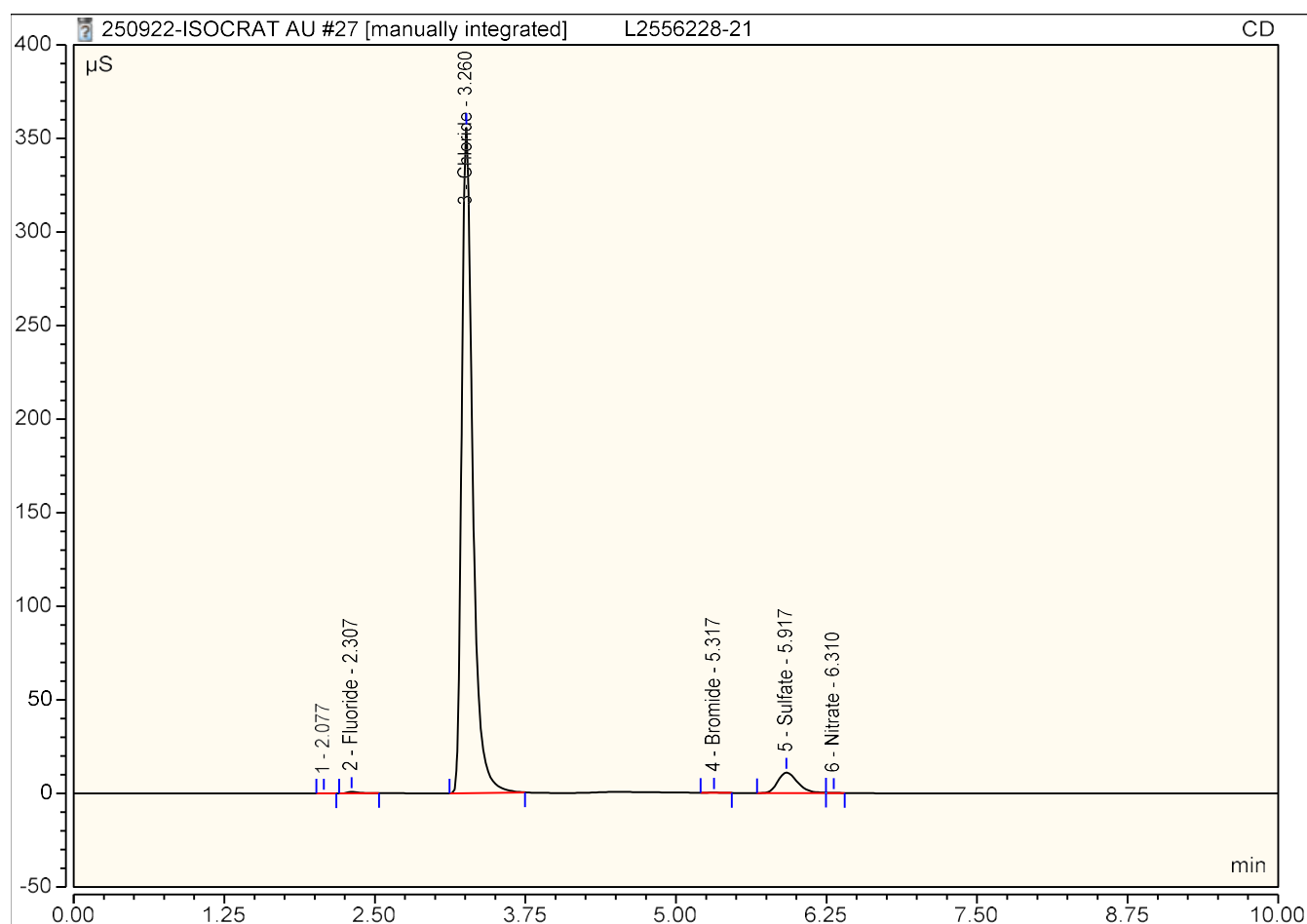
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.047	0.480	0.1128
3	3.30	Chloride	BMB	0.368	3.696	0.9690
4	5.92	Sulfate	BMB	2.263	12.771	7.7489
TOTAL:				2.68	16.95	8.83



Peak Integration Report

Sample Name:	L2556228-21	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 19:36	Run Time:	10.00

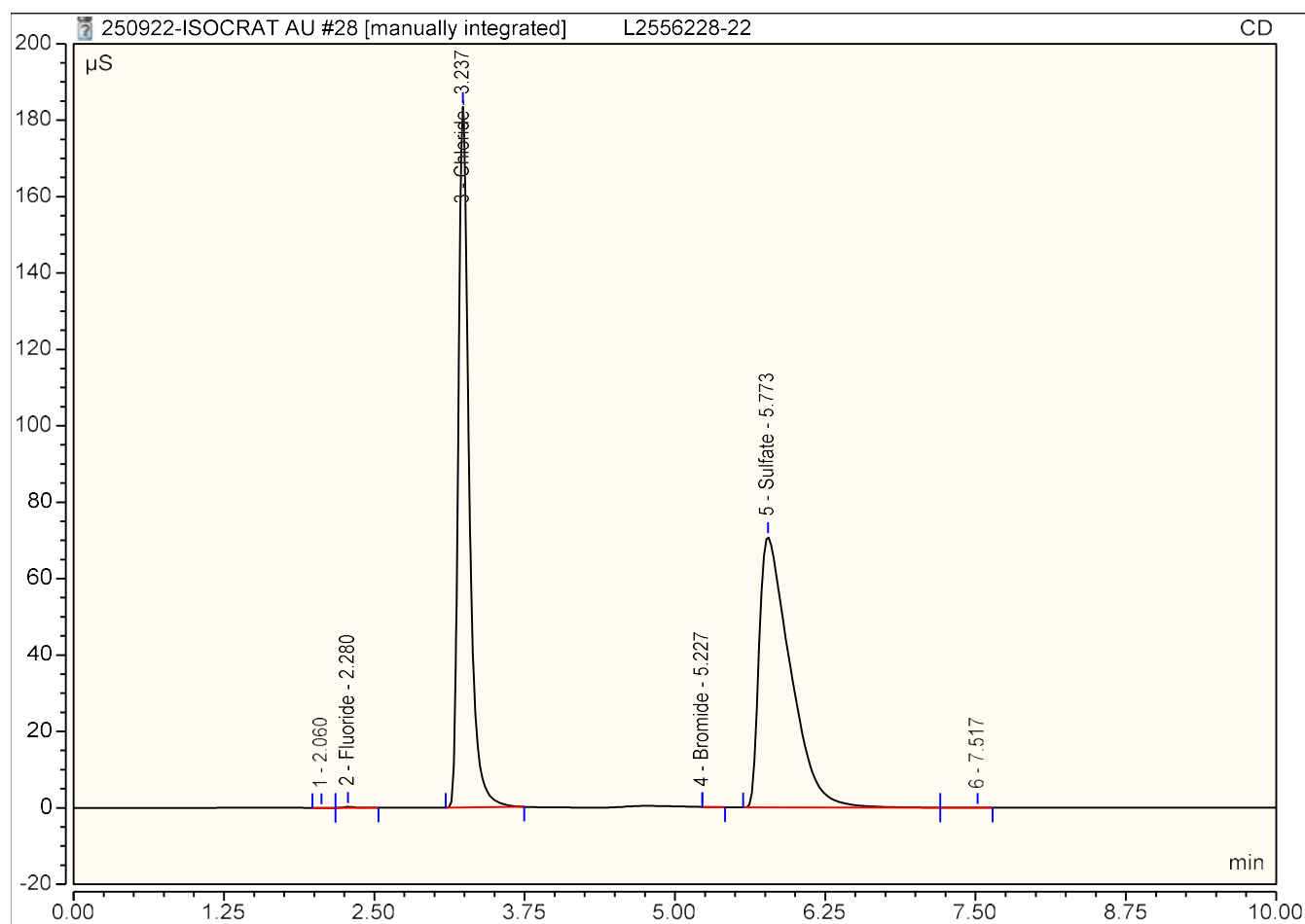
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.088	0.847	0.1832
3	3.26	Chloride	BMB	37.675	355.391	87.0037
4	5.32	Bromide	BMB*	0.017	0.132	0.1574
5	5.92	Sulfate	BM *	2.105	11.036	7.2325
6	6.31	Nitrate	MB*	0.019	0.156	0.0320
TOTAL:				39.90	367.56	94.61



Peak Integration Report

Sample Name:	L2556228-22	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 19:48	Run Time:	10.00

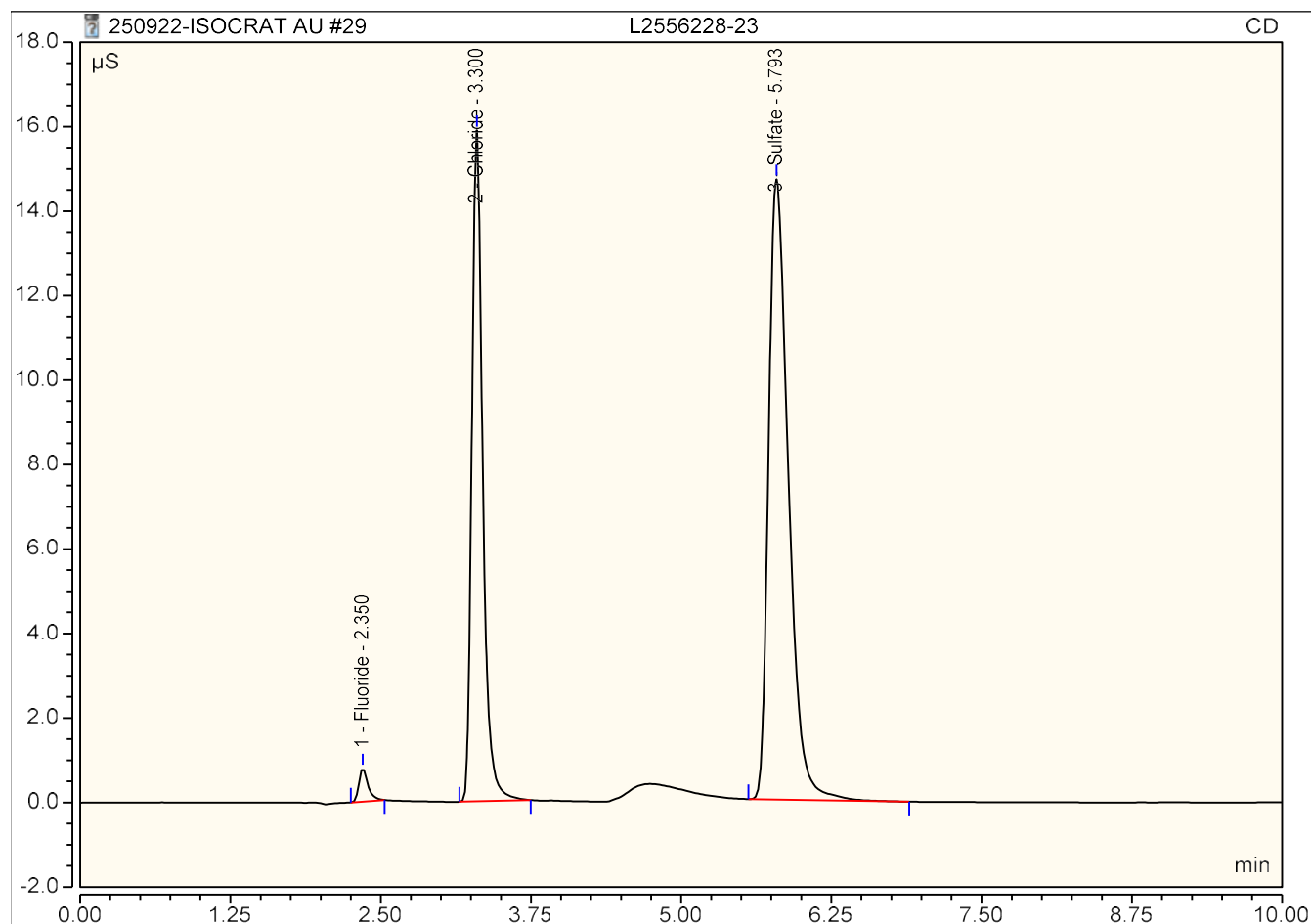
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.028	0.281	0.0802
3	3.24	Chloride	BMB	19.195	183.478	44.3853
4	5.23	Bromide	BMB*	0.001	0.000	0.0484
5	5.77	Sulfate	BMB	21.172	70.851	69.3609
TOTAL:				40.40	254.61	113.87



Peak Integration Report

Sample Name:	L2556228-23	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 20:00	Run Time:	10.00

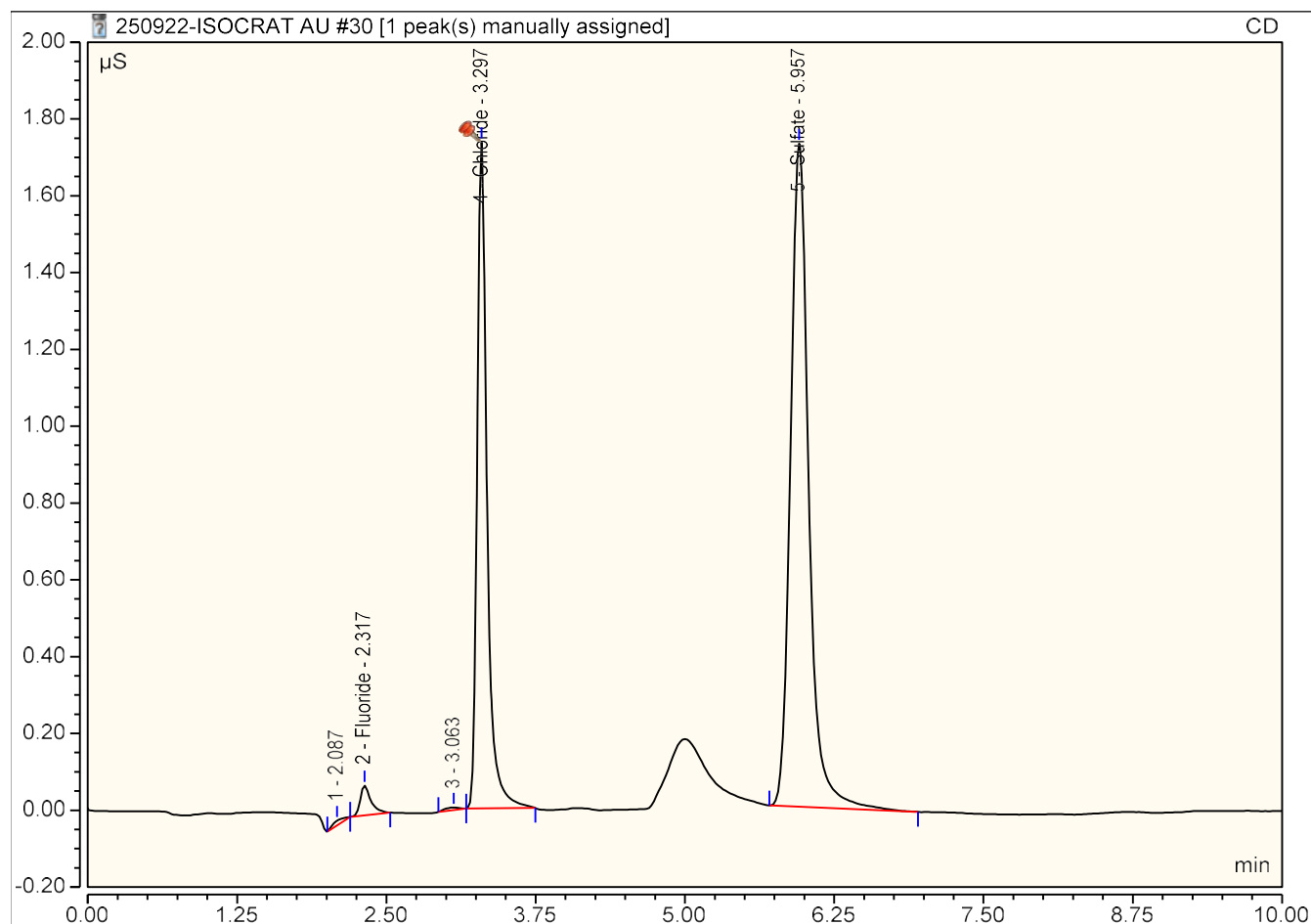
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.35	Fluoride	BMB	0.070	0.786	0.1521
2	3.30	Chloride	BMB	1.676	15.884	3.9864
3	5.79	Sulfate	BMB	2.826	14.682	9.5825
TOTAL:				4.57	31.35	13.72



Peak Integration Report

Sample Name:	XL2556228-23; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 20:12	Run Time:	10.00

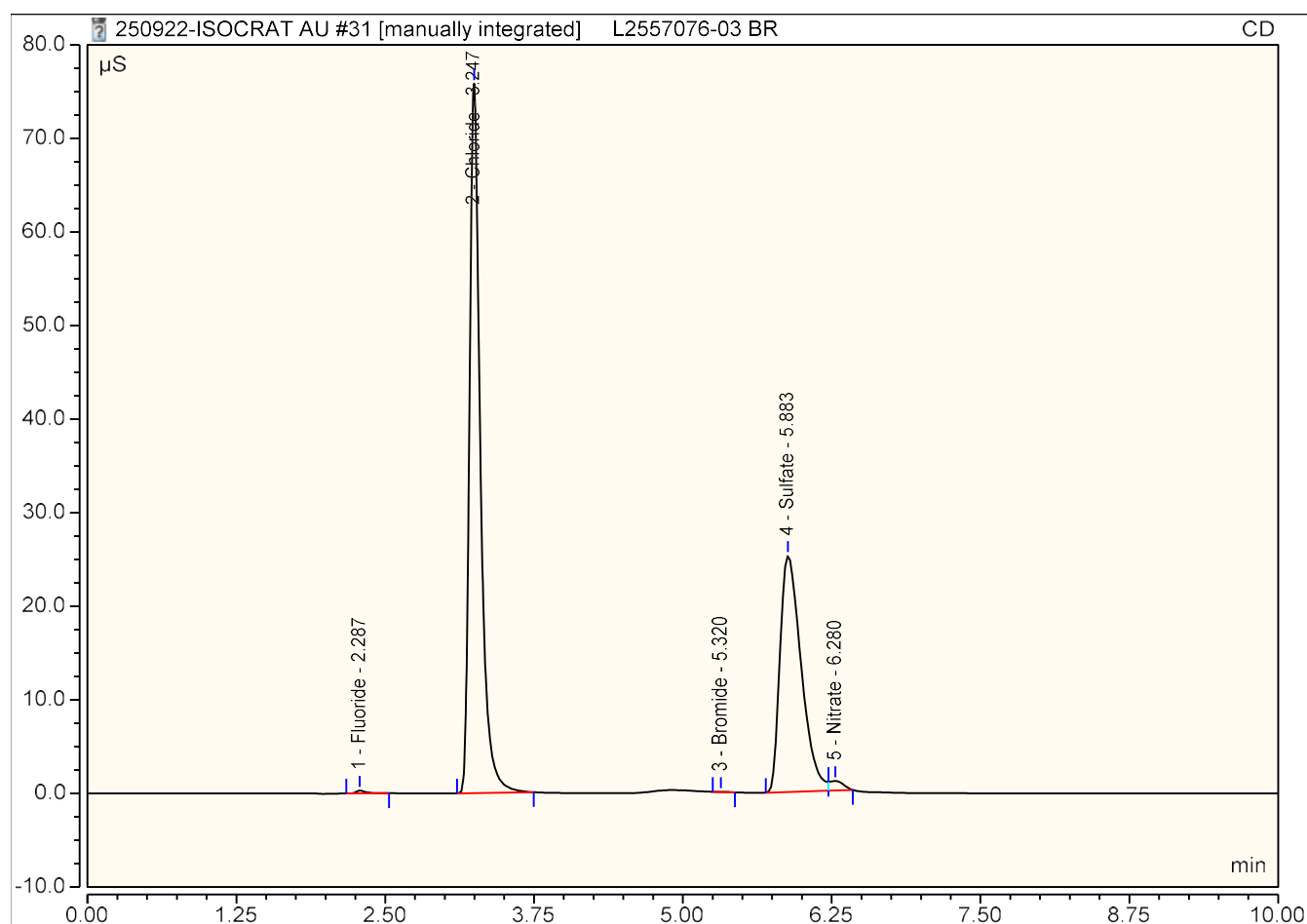
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.008	0.078	0.4592
4	3.30	Chloride	BMB^	0.167	1.735	5.0584
5	5.96	Sulfate	BMB	0.306	1.727	13.7220
TOTAL:				0.48	3.54	19.24



Peak Integration Report

Sample Name:	L2557076-03 BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 20:24	Run Time:	10.00

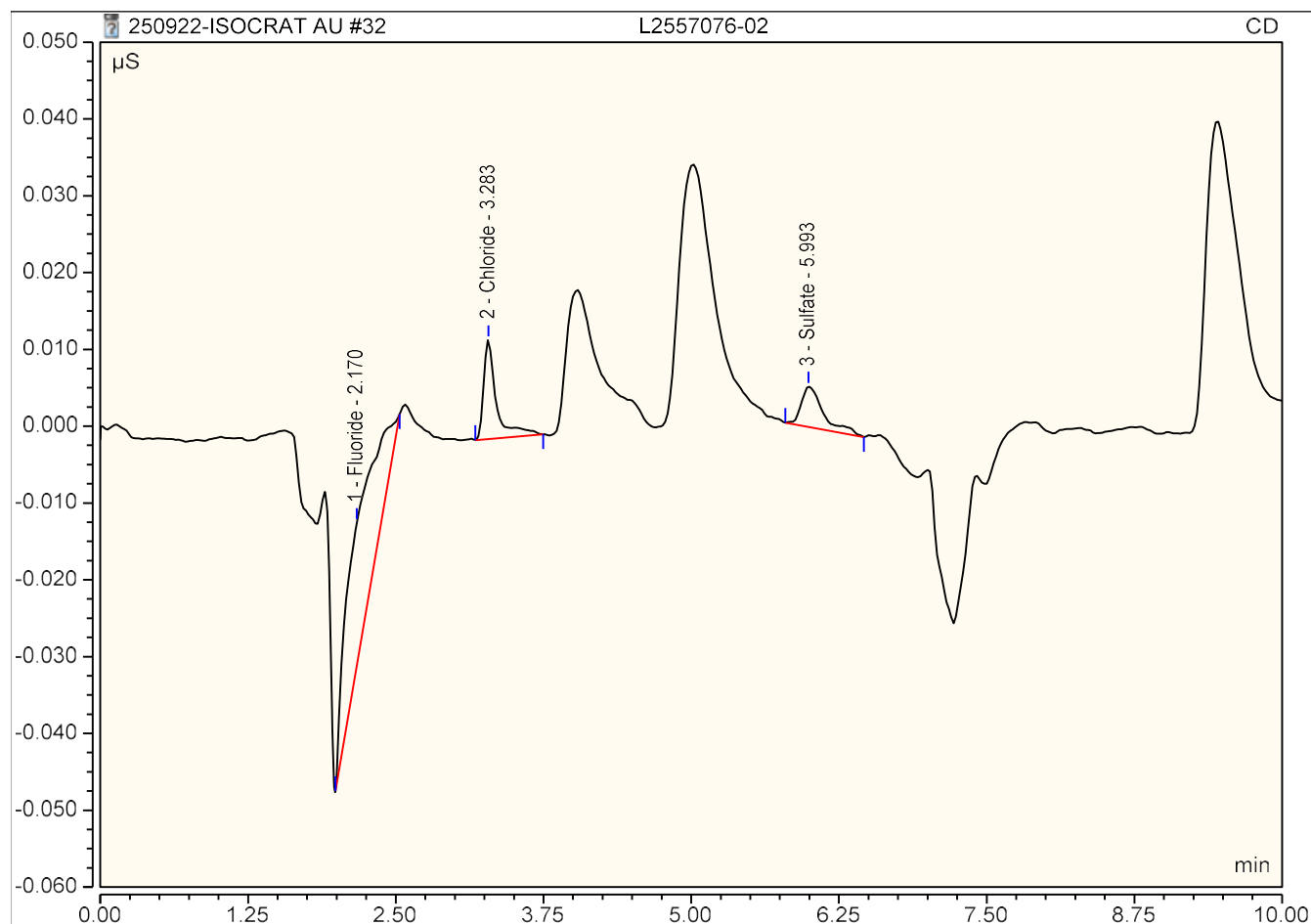
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.29	Fluoride	BMB	0.030	0.316	0.0844
2	3.25	Chloride	BMB	8.102	75.815	18.8045
3	5.32	Bromide	BMB*	0.003	0.026	0.0605
4	5.88	Sulfate	BM *	5.214	25.241	17.3628
5	6.28	Nitrate	MB*	0.136	1.012	0.1323
TOTAL:				13.48	102.41	36.44



Peak Integration Report

Sample Name:	L2557076-02	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 20:36	Run Time:	10.00

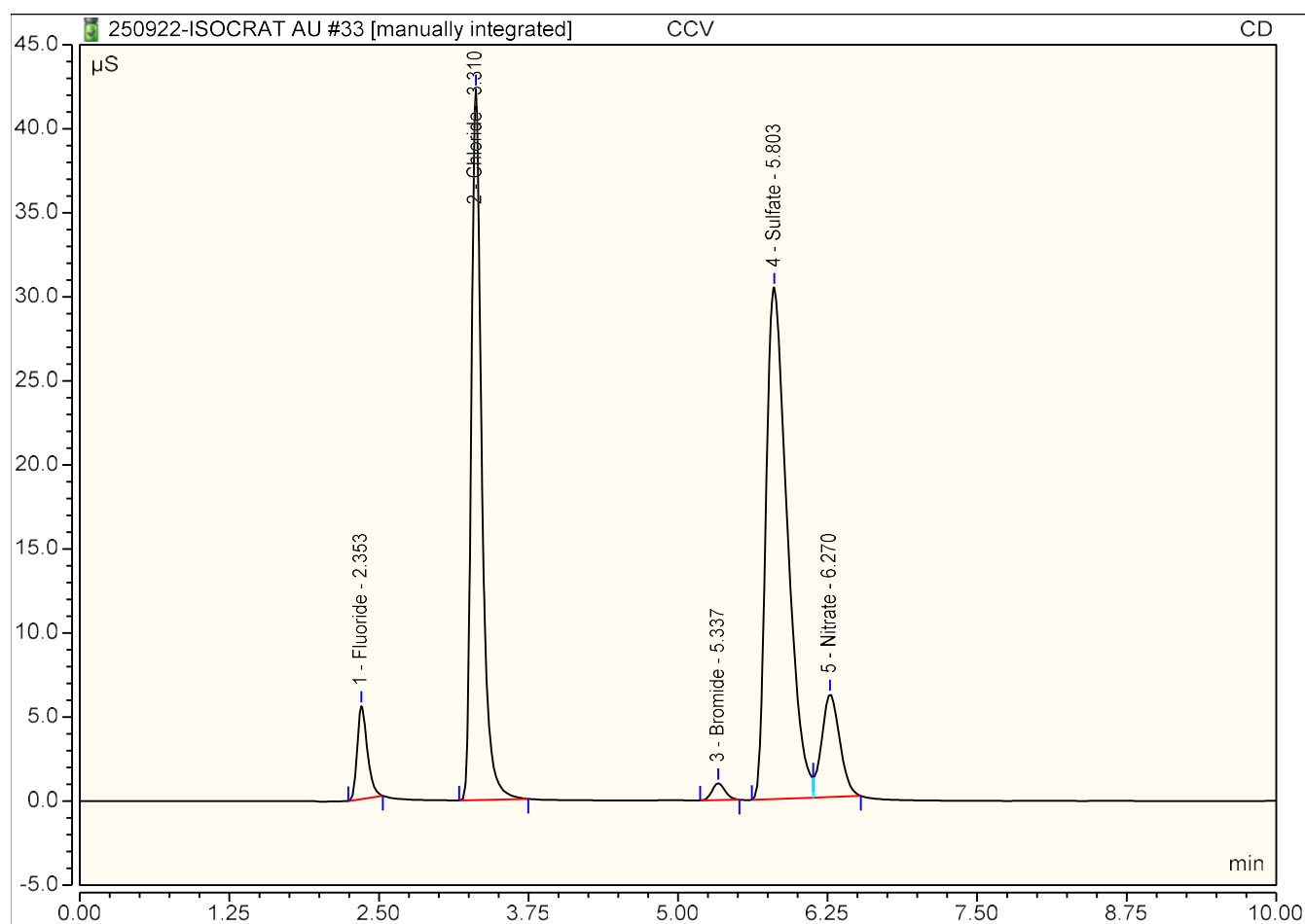
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.17	Fluoride	BMB	0.007	0.019	0.0433
2	3.28	Chloride	BMB	0.002	0.013	0.1239
3	5.99	Sulfate	BMB	0.001	0.005	0.3783
TOTAL:				0.01	0.04	0.55



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 20:49	Run Time:	10.00

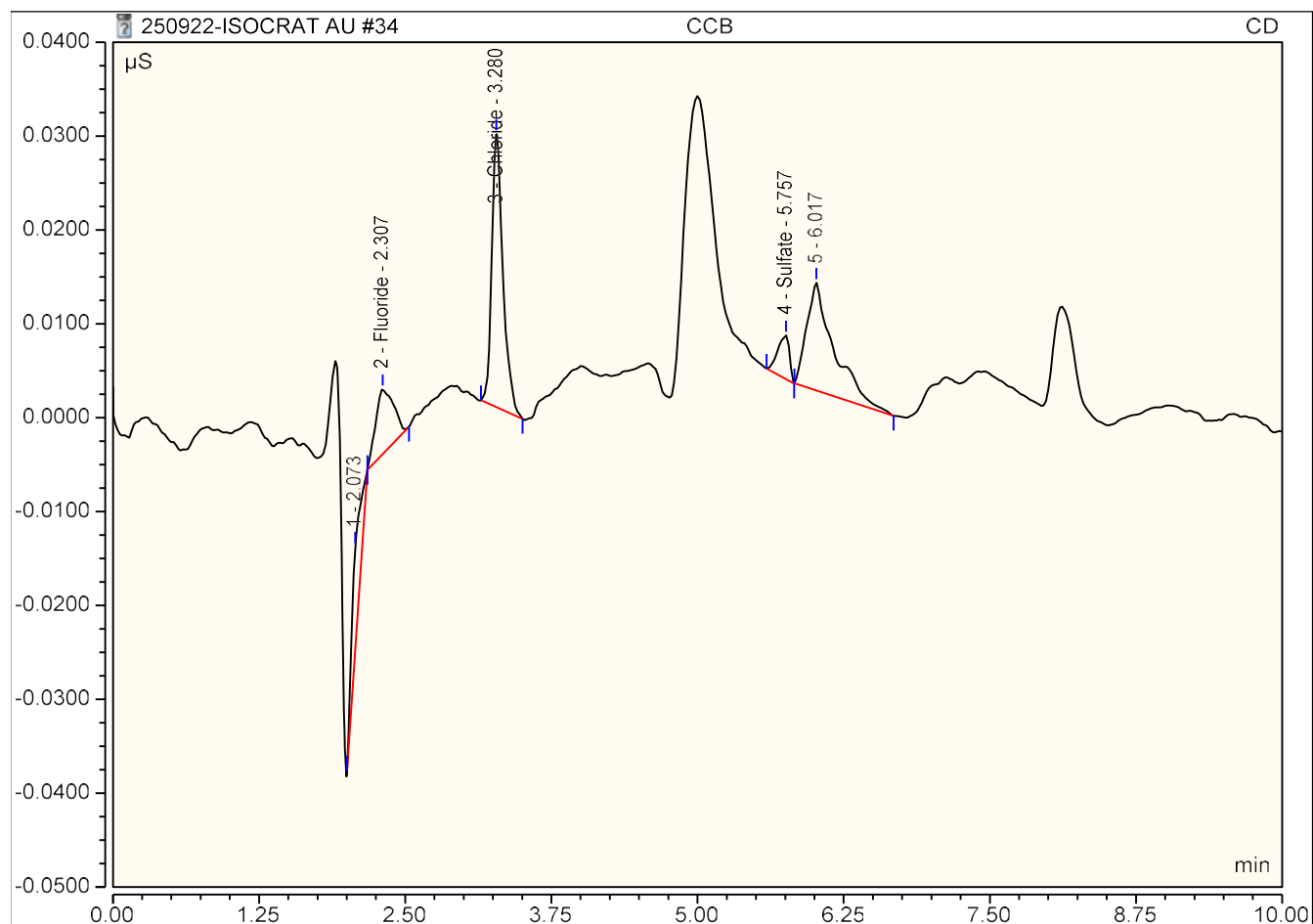
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.35	Fluoride	BMB	0.544	5.536	0.9700
2	3.31	Chloride	BMB	4.298	42.278	10.0331
3	5.34	Bromide	BMB*	0.128	1.009	0.9402
4	5.80	Sulfate	BM *	6.281	30.426	20.8398
5	6.27	Nitrate	MB*	1.074	6.112	0.9396
TOTAL:				12.33	85.36	33.72



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 21:01	Run Time:	10.00

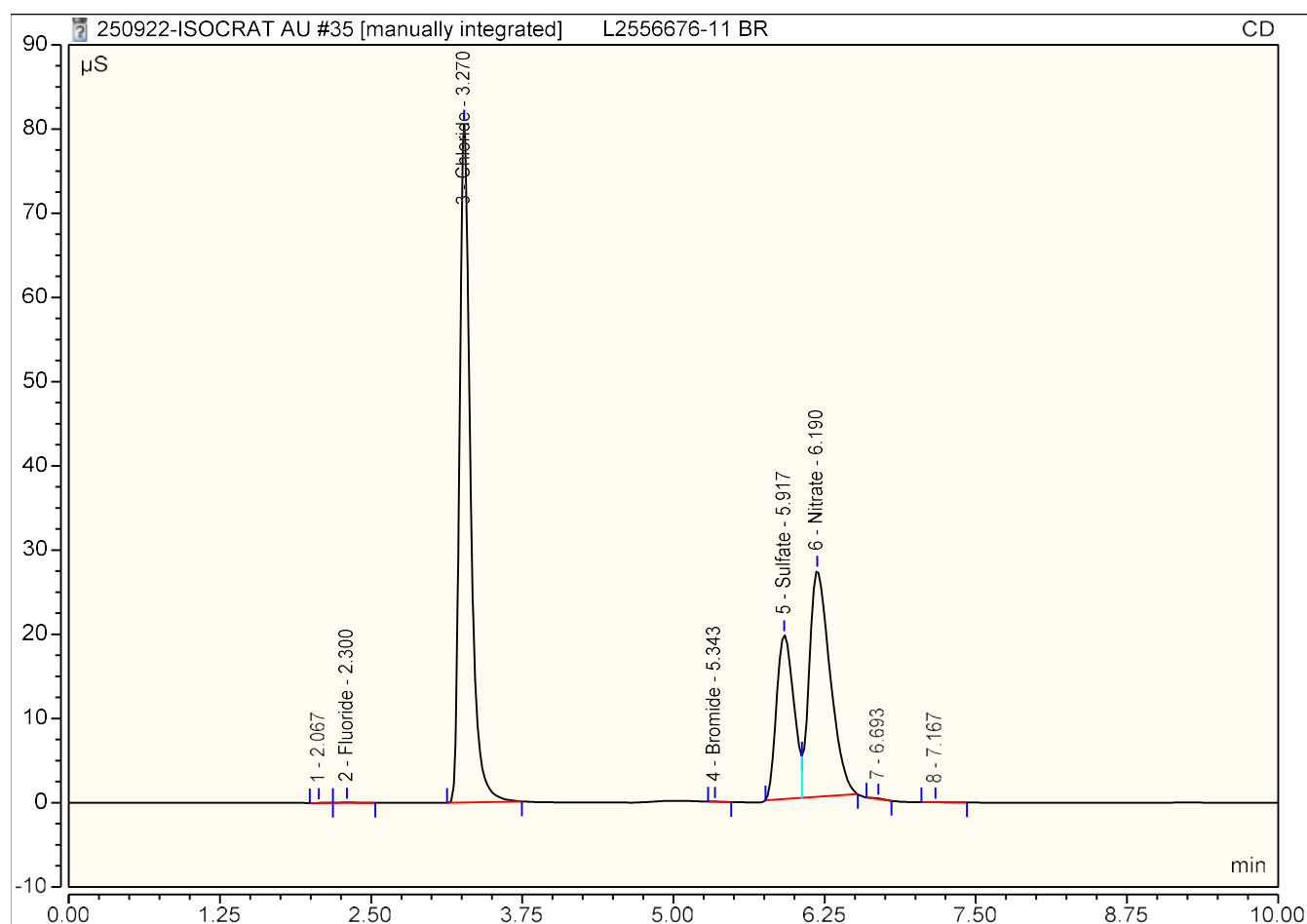
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.001	0.007	0.0342
3	3.28	Chloride	BMB	0.003	0.029	0.1277
4	5.76	Sulfate	BMB	0.001	0.005	0.3763
TOTAL:				0.00	0.04	0.54



Peak Integration Report

Sample Name:	L2556676-11 BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 21:13	Run Time:	10.00

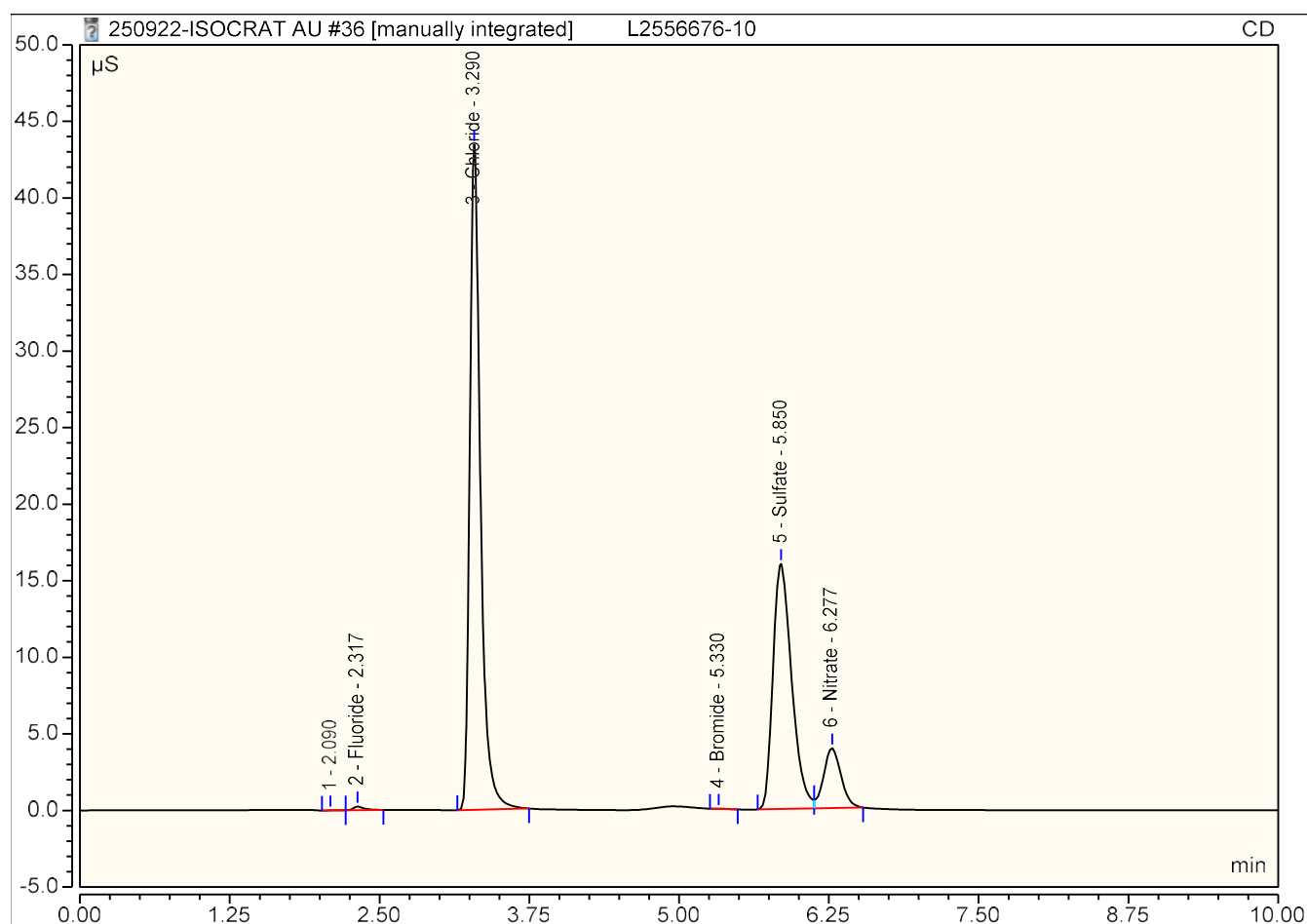
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.006	0.049	0.0419
3	3.27	Chloride	BMB	8.434	80.503	19.5693
4	5.34	Bromide	BMB*	0.002	0.016	0.0533
5	5.92	Sulfate	BM *	3.222	19.481	10.8722
6	6.19	Nitrate	MB*	5.385	26.892	4.6491
TOTAL:				17.05	126.94	35.19



Peak Integration Report

Sample Name:	L2556676-10	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 21:25	Run Time:	10.00

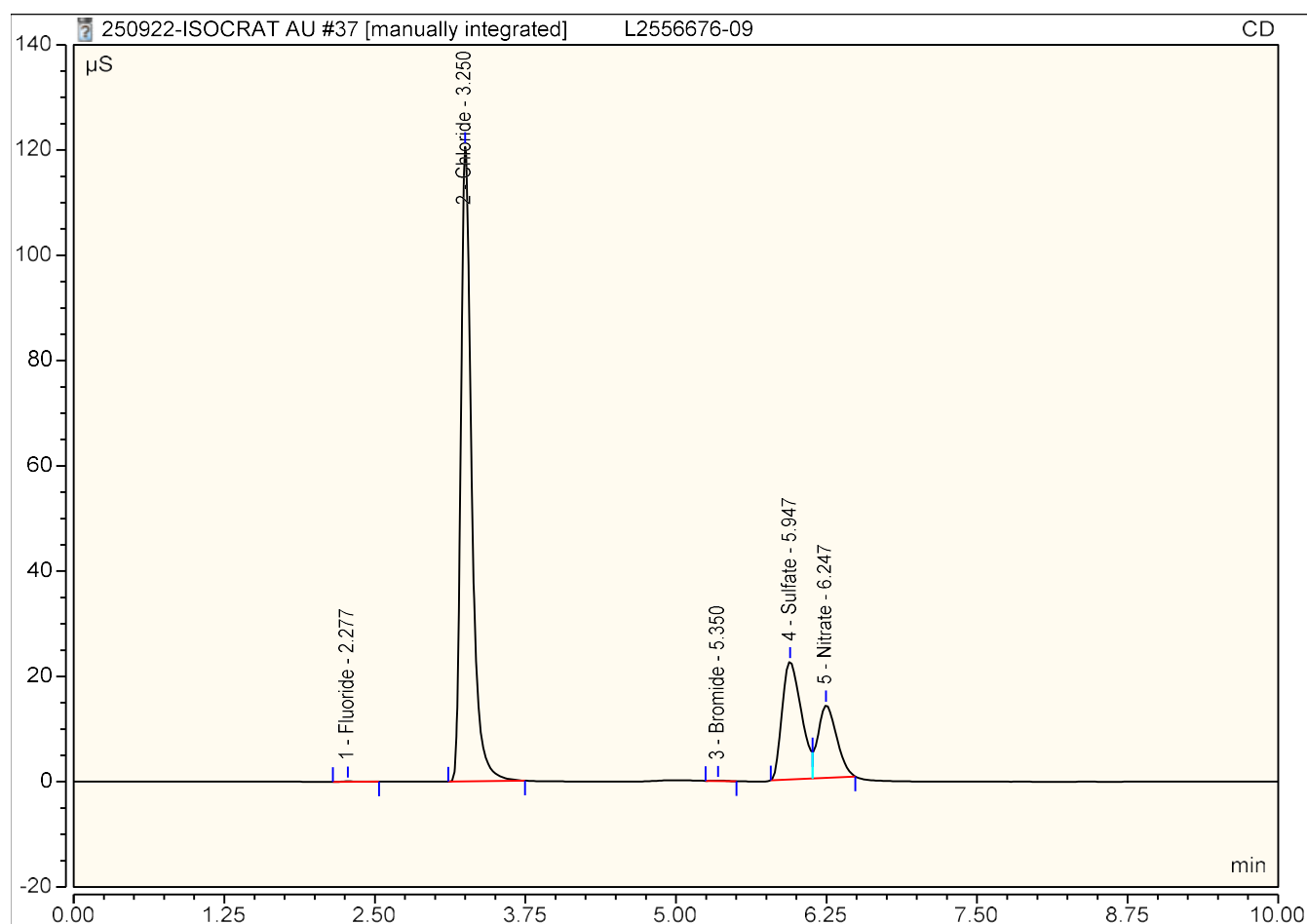
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.024	0.245	0.0735
3	3.29	Chloride	BMB	4.518	43.441	10.5387
4	5.33	Bromide	BMB*	0.002	0.016	0.0542
5	5.85	Sulfate	BM *	2.886	16.015	9.7781
6	6.28	Nitrate	MB*	0.659	3.917	0.5829
TOTAL:				8.09	63.63	21.03



Peak Integration Report

Sample Name:	L2556676-09	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 21:37	Run Time:	10.00

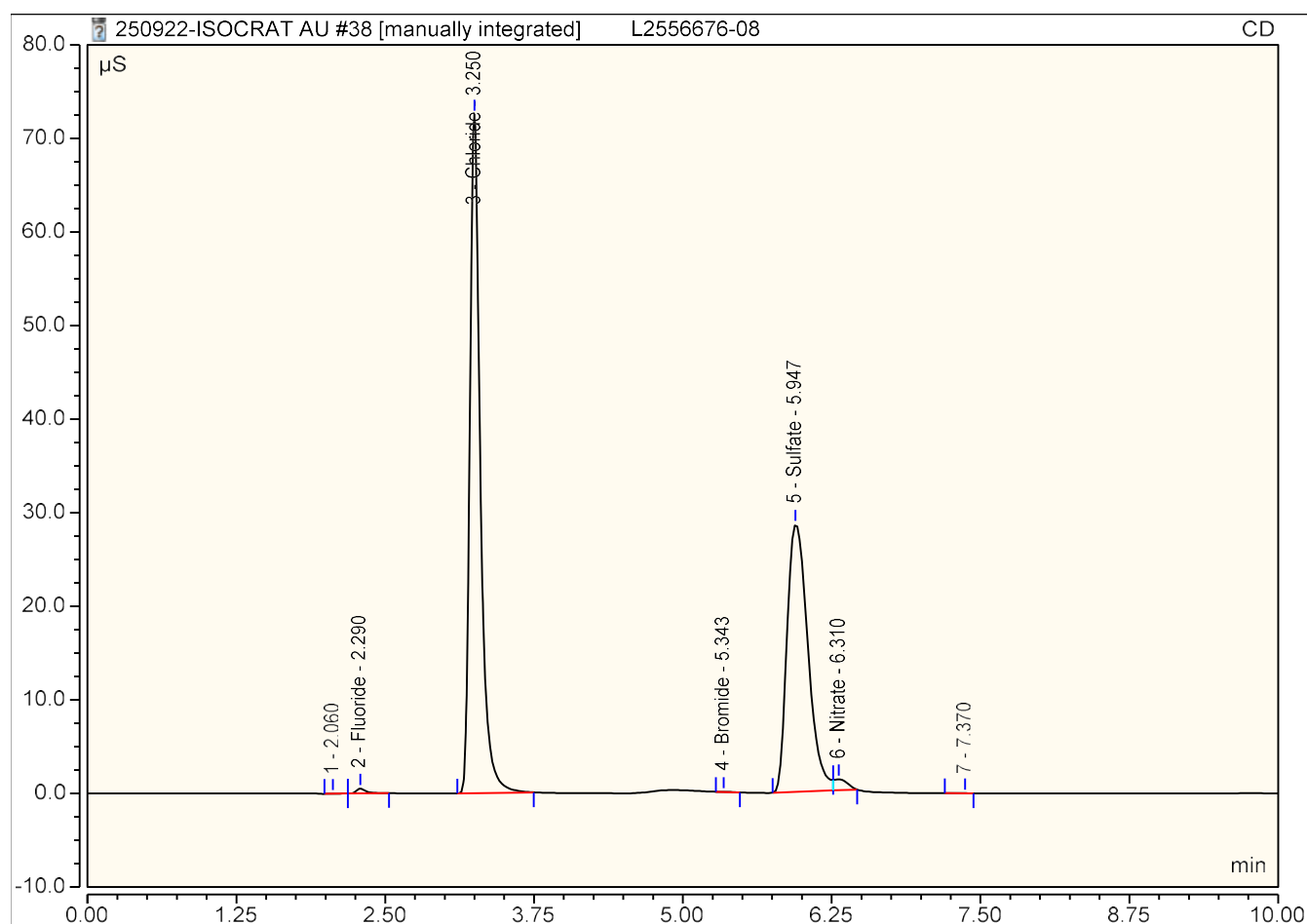
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.28	Fluoride	BMB	0.009	0.081	0.0473
2	3.25	Chloride	BMB	12.569	120.548	29.1052
3	5.35	Bromide	BMB*	0.011	0.092	0.1166
4	5.95	Sulfate	BM *	4.147	22.347	13.8853
5	6.25	Nitrate	MB*	2.483	13.786	2.1523
TOTAL:				19.22	156.85	45.31



Peak Integration Report

Sample Name:	L2556676-08	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 21:49	Run Time:	10.00

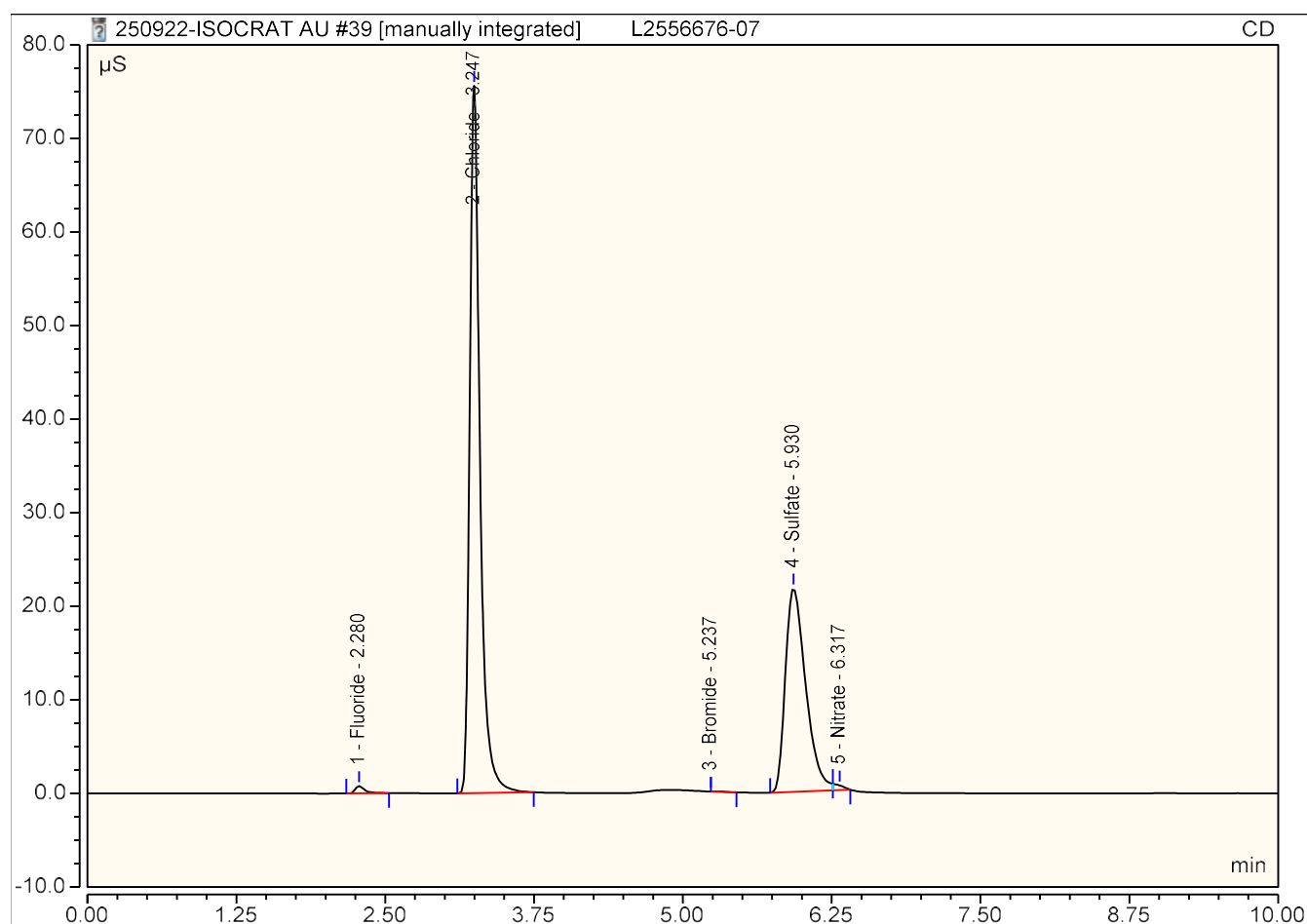
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.048	0.522	0.1155
3	3.25	Chloride	BMB	7.467	72.524	17.3401
4	5.34	Bromide	BMB*	0.003	0.025	0.0613
5	5.95	Sulfate	BM *	5.812	28.571	19.3118
6	6.31	Nitrate	MB*	0.152	1.177	0.1462
TOTAL:				13.48	102.82	36.97



Peak Integration Report

Sample Name:	L2556676-07	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 22:01	Run Time:	10.00

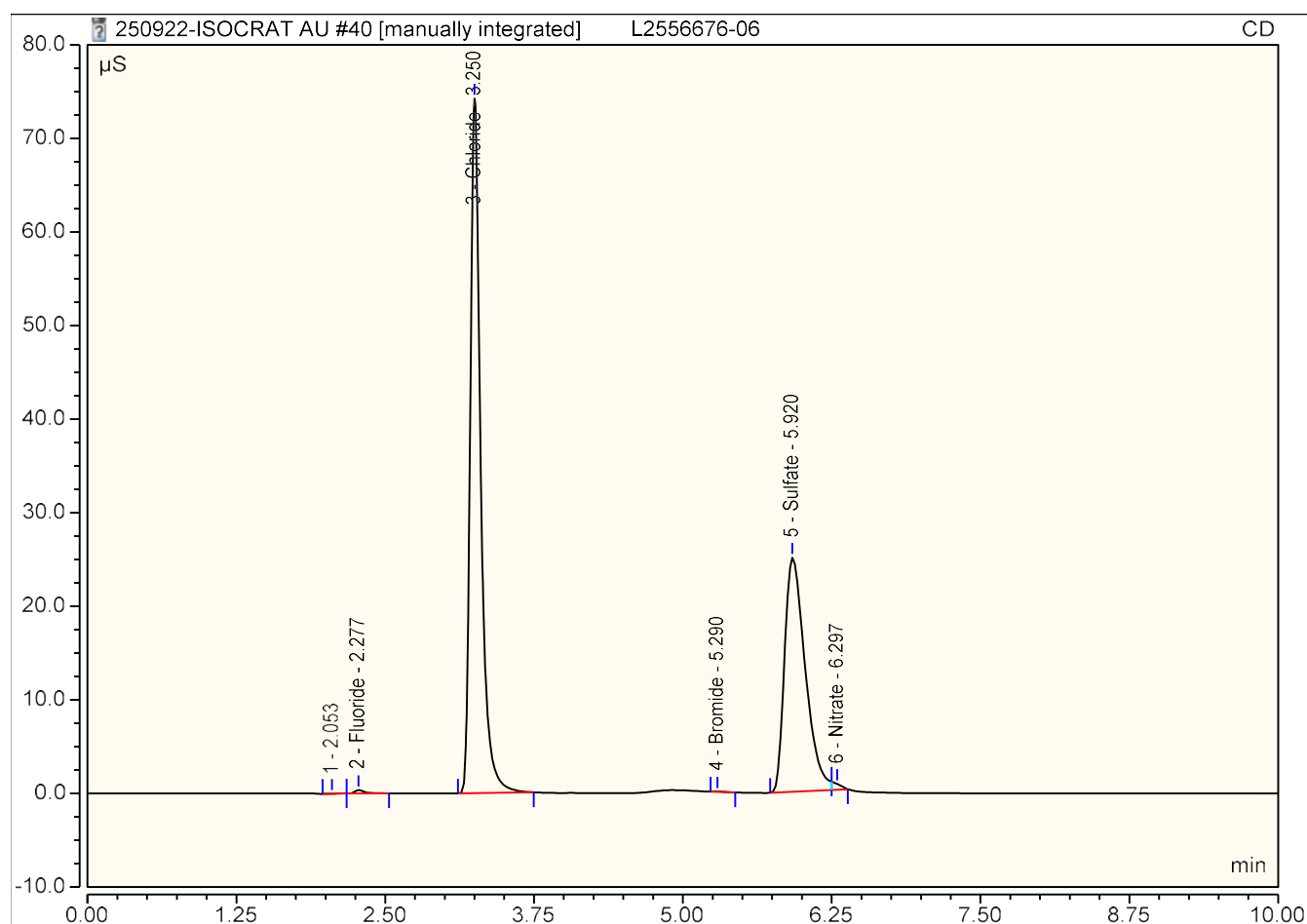
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.28	Fluoride	BMB	0.072	0.788	0.1568
2	3.25	Chloride	BMB	7.610	75.586	17.6700
3	5.24	Bromide	BMB*	0.003	0.000	0.0635
4	5.93	Sulfate	BM *	4.305	21.755	14.4016
5	6.32	Nitrate	MB*	0.058	0.510	0.0652
TOTAL:				12.05	98.64	32.36



Peak Integration Report

Sample Name:	L2556676-06	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 22:13	Run Time:	10.00

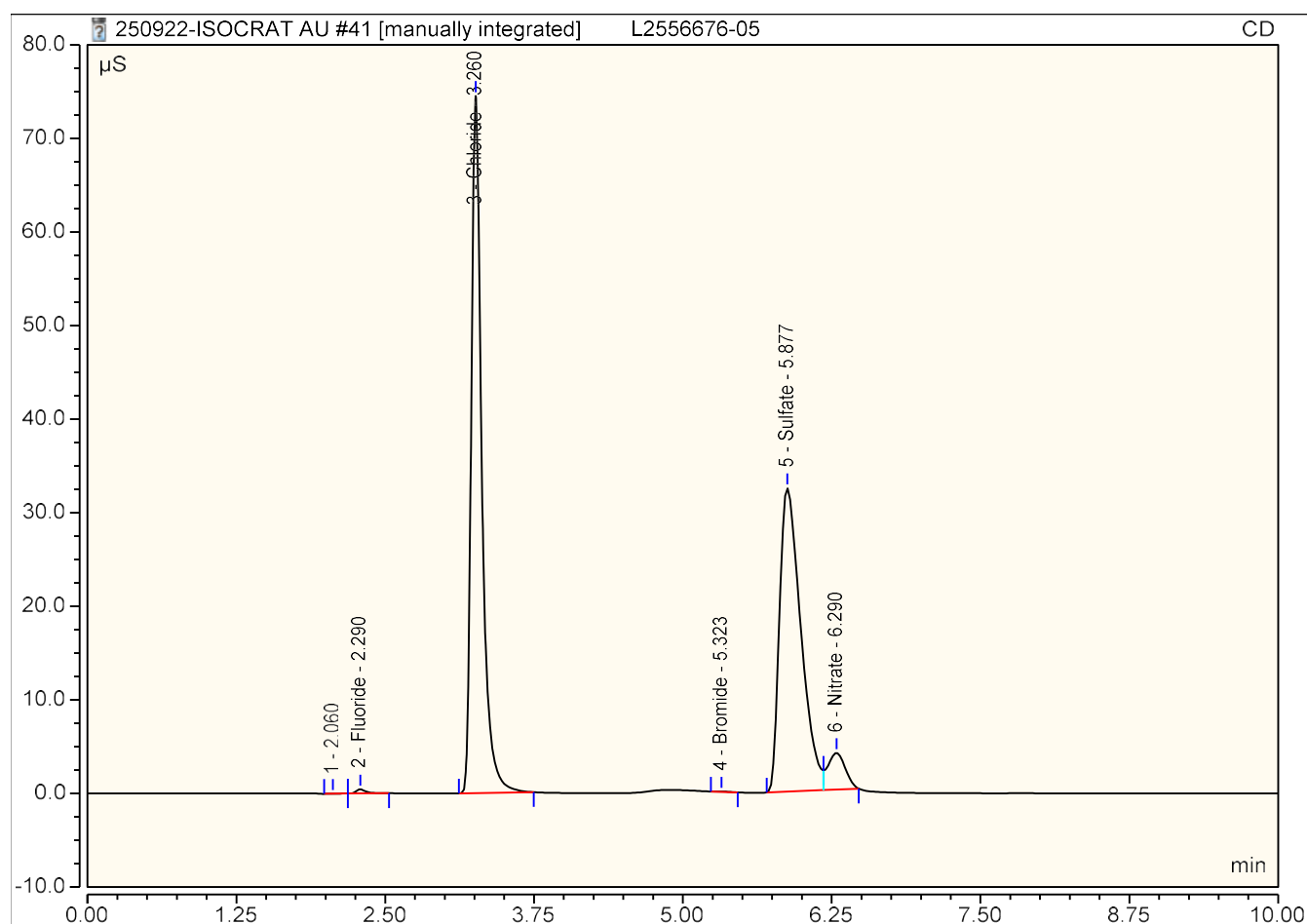
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.034	0.359	0.0910
3	3.25	Chloride	BMB	7.599	74.223	17.6444
4	5.29	Bromide	BMB*	0.003	0.024	0.0626
5	5.92	Sulfate	BM *	5.030	25.017	16.7627
6	6.30	Nitrate	MB*	0.063	0.624	0.0695
TOTAL:				12.73	100.25	34.63



Peak Integration Report

Sample Name:	L2556676-05	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 22:25	Run Time:	10.00

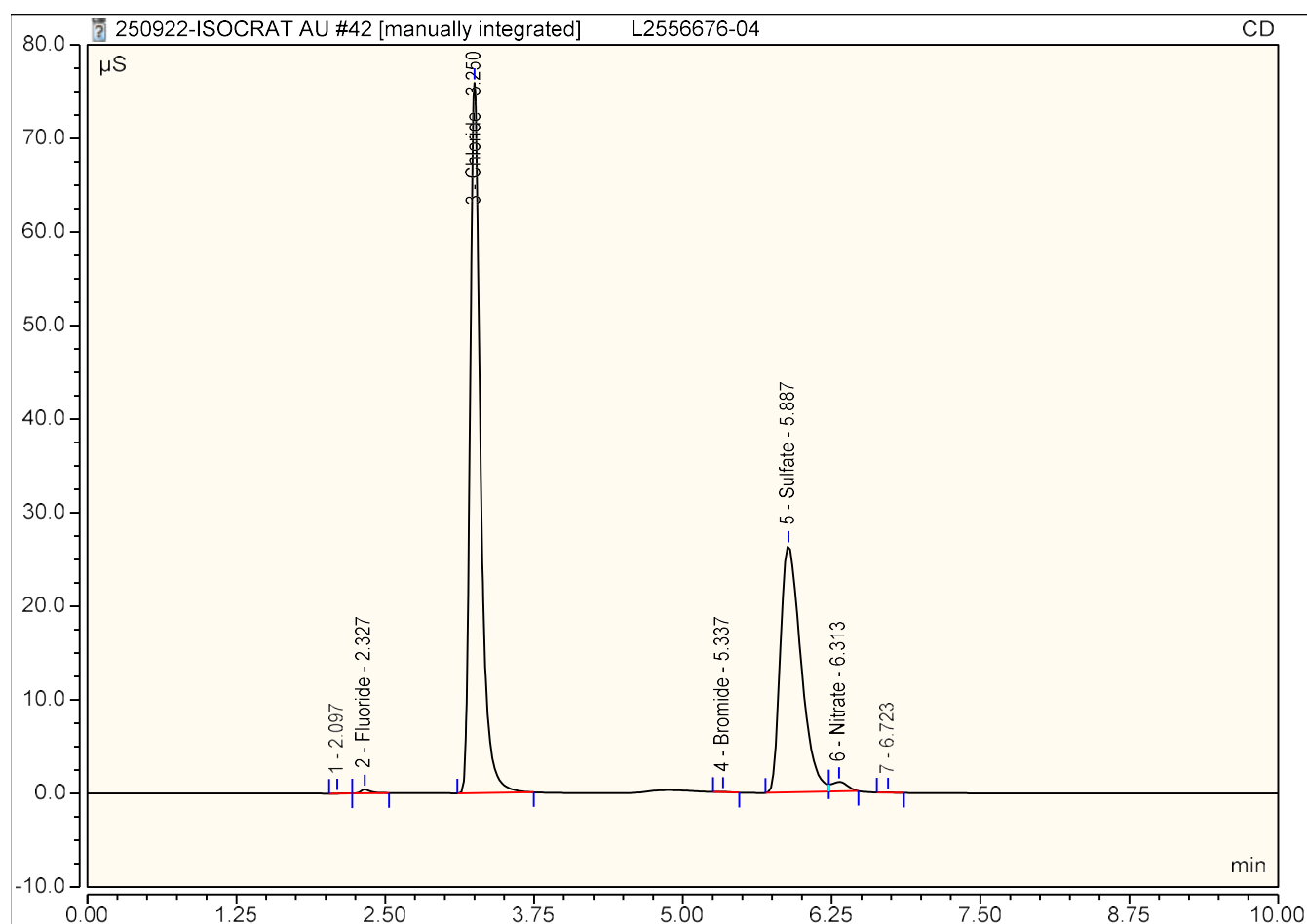
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.041	0.443	0.1035
3	3.26	Chloride	BMB	7.681	74.504	17.8342
4	5.32	Bromide	BMB*	0.005	0.043	0.0757
5	5.88	Sulfate	BM *	6.729	32.431	22.3008
6	6.29	Nitrate	MB*	0.668	3.927	0.5903
TOTAL:				15.13	111.35	40.90



Peak Integration Report

Sample Name:	L2556676-04	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 22:37	Run Time:	10.00

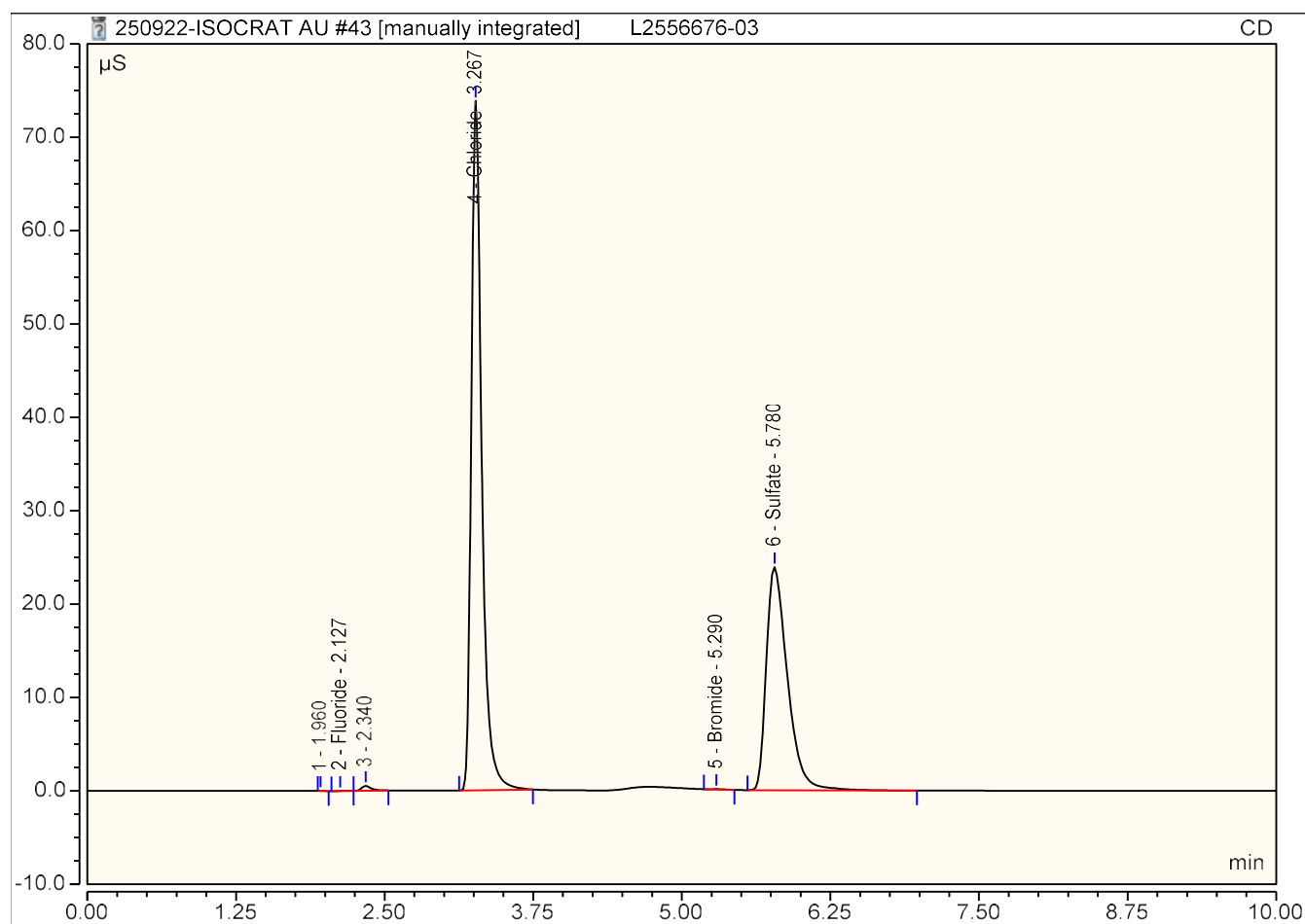
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.039	0.431	0.0993
3	3.25	Chloride	BMB	7.824	75.877	18.1638
4	5.34	Bromide	BMB*	0.004	0.031	0.0654
5	5.89	Sulfate	BM *	5.296	26.336	17.6320
6	6.31	Nitrate	MB*	0.156	0.999	0.1501
TOTAL:				13.32	103.67	36.11



Peak Integration Report

Sample Name:	L2556676-03	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 22:49	Run Time:	10.00

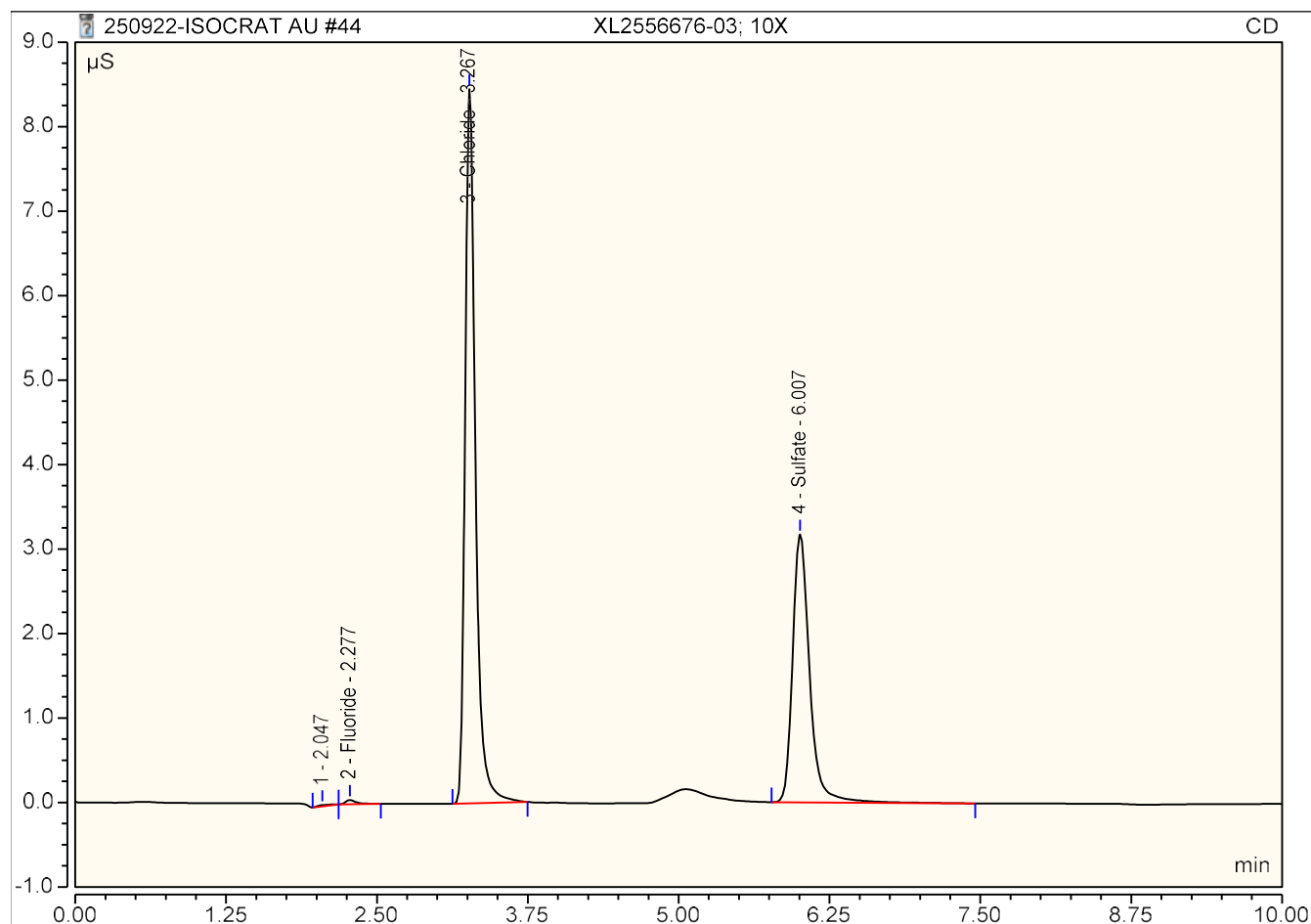
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.13	Fluoride	BMB	0.001	0.008	0.0337
4	3.27	Chloride	BMB	7.535	73.822	17.4967
5	5.29	Bromide	BMB*	0.006	0.046	0.0789
6	5.78	Sulfate	BMB	4.915	23.887	16.3884
TOTAL:				12.46	97.76	34.00



Peak Integration Report

Sample Name:	XL2556676-03; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 23:02	Run Time:	10.00

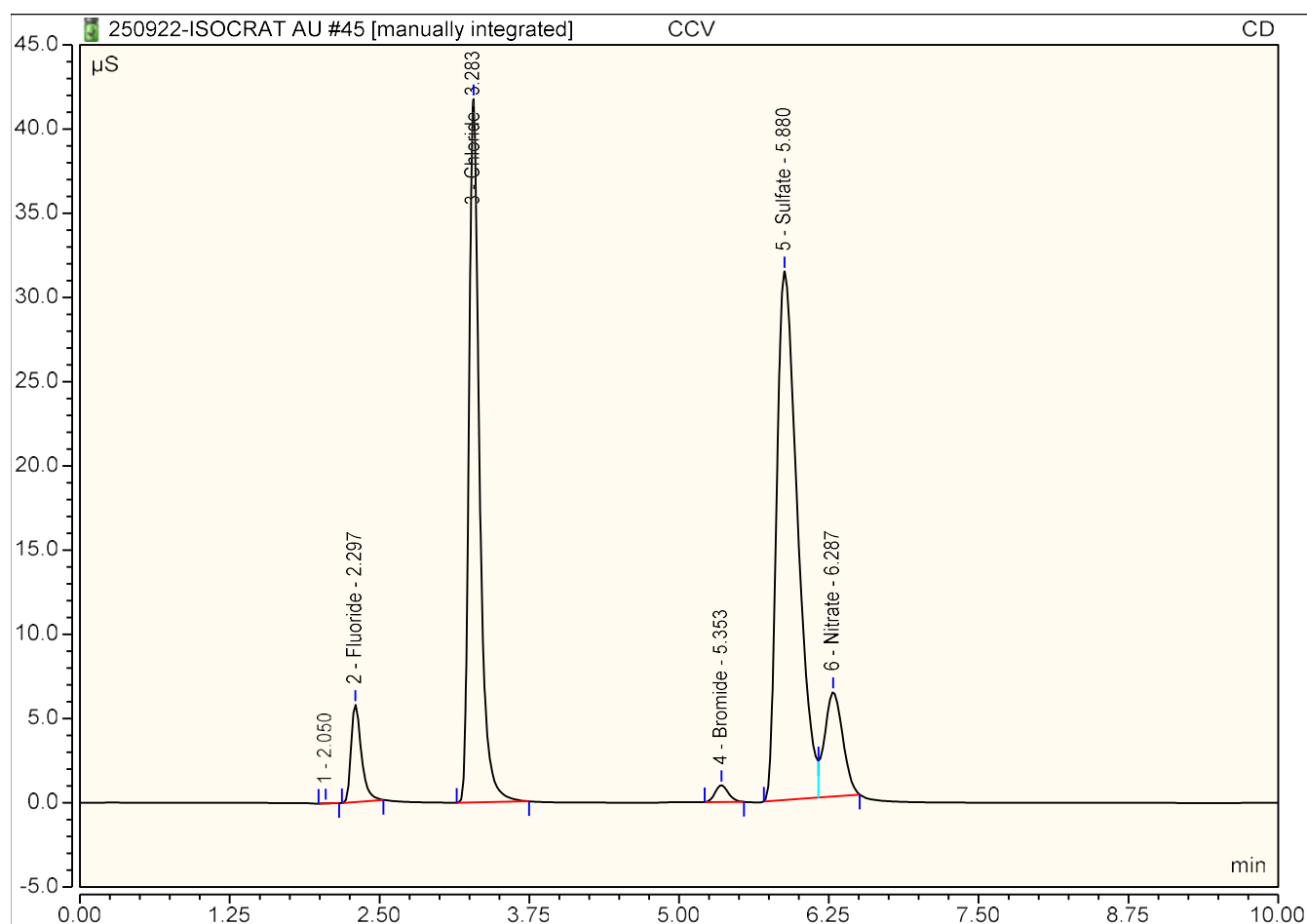
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.005	0.051	0.4087
3	3.27	Chloride	BMB	0.839	8.454	20.5572
4	6.01	Sulfate	BMB	0.518	3.173	20.6360
TOTAL:				1.36	11.68	41.60



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 23:14	Run Time:	10.00

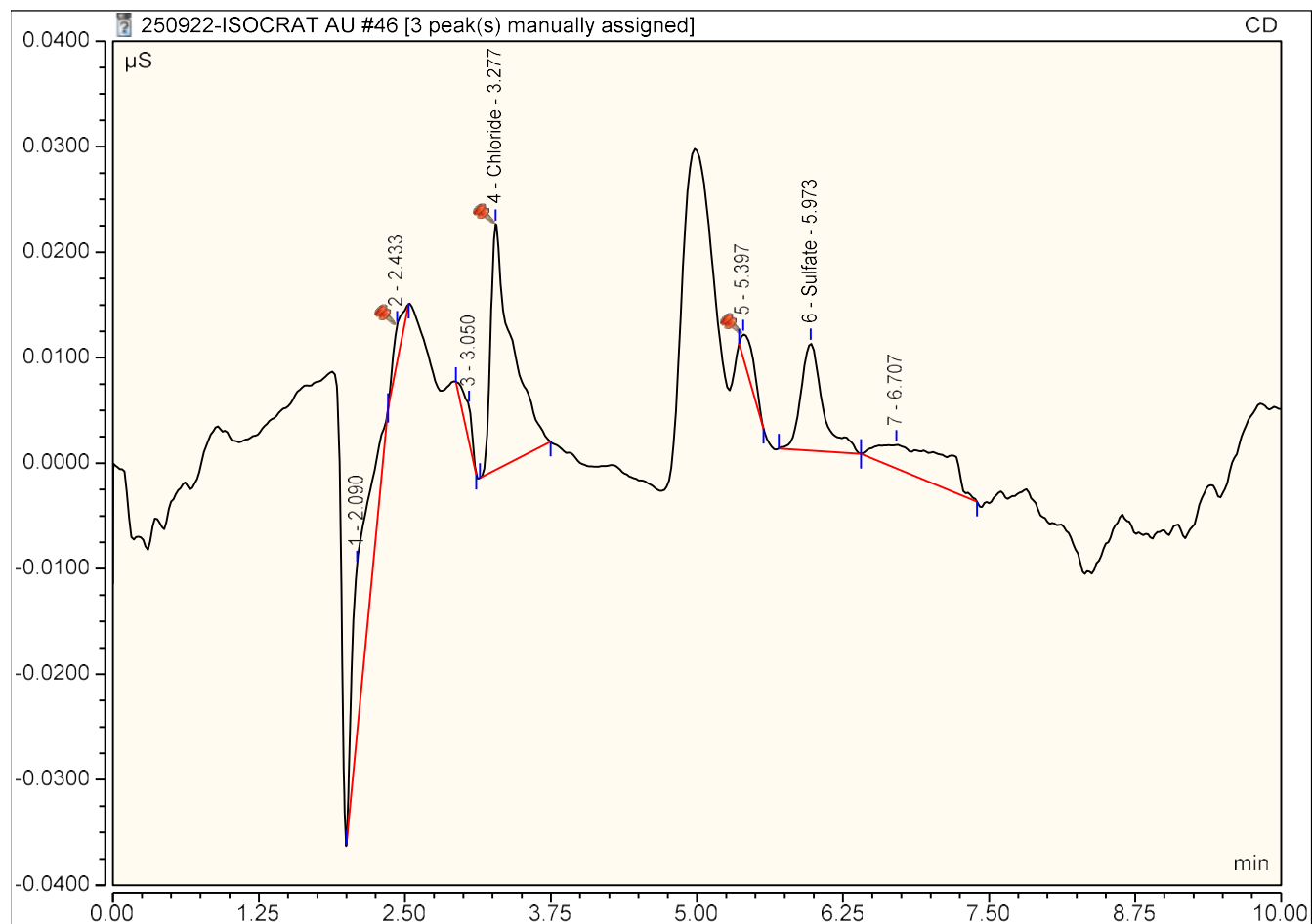
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.573	5.771	1.0202
3	3.28	Chloride	BMB	4.292	41.749	10.0175
4	5.35	Bromide	BMB*	0.128	1.002	0.9414
5	5.88	Sulfate	BM *	6.281	31.373	20.8387
6	6.29	Nitrate	MB*	1.088	6.203	0.9521
TOTAL:				12.36	86.10	33.77



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 23:26	Run Time:	10.00

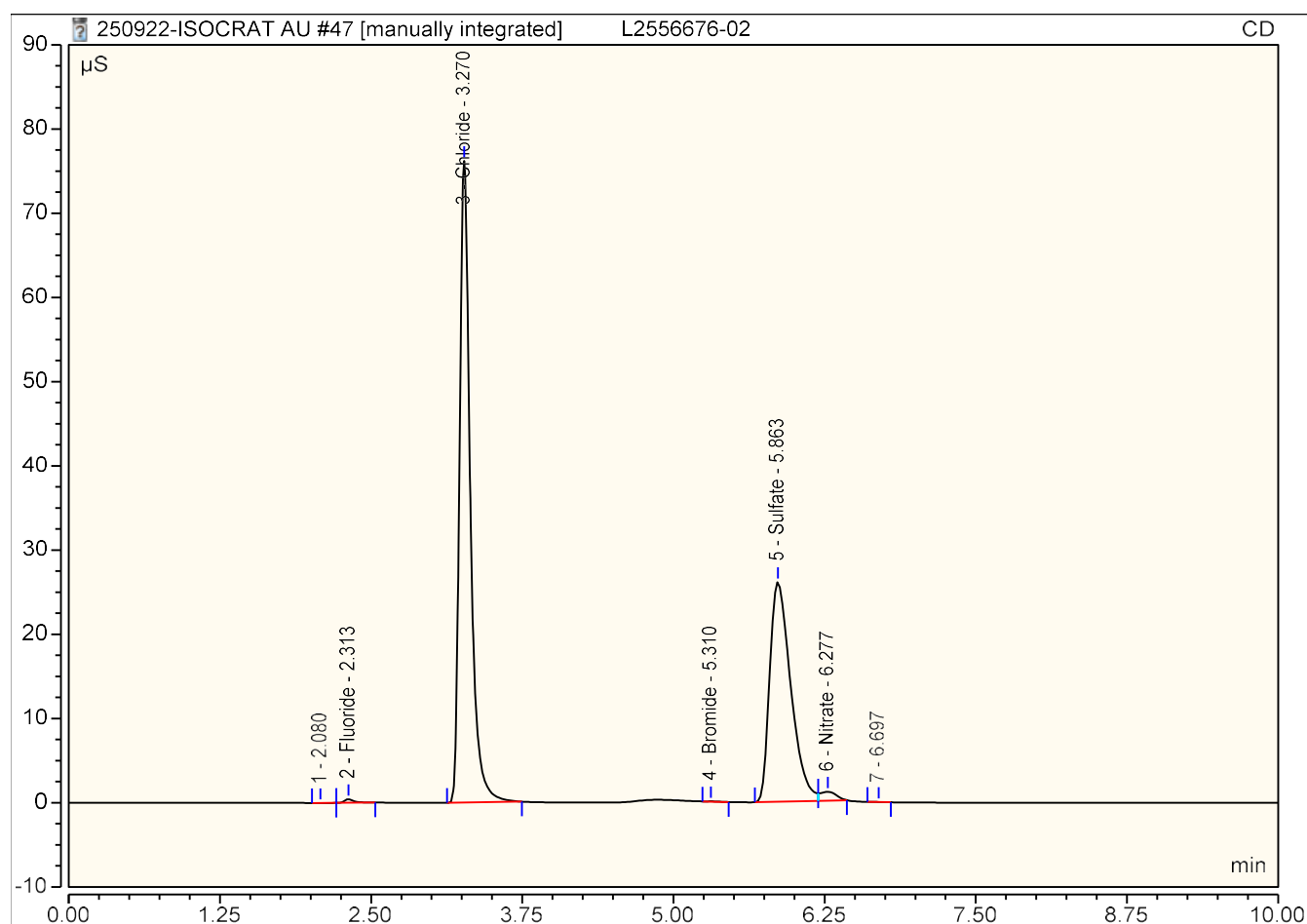
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
4	3.28	Chloride	BMB^	0.005	0.023	0.1316
6	5.97	Sulfate	BMB	0.002	0.010	0.3818
TOTAL:				0.01	0.03	0.51



Peak Integration Report

Sample Name:	L2556676-02	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 23:38	Run Time:	10.00

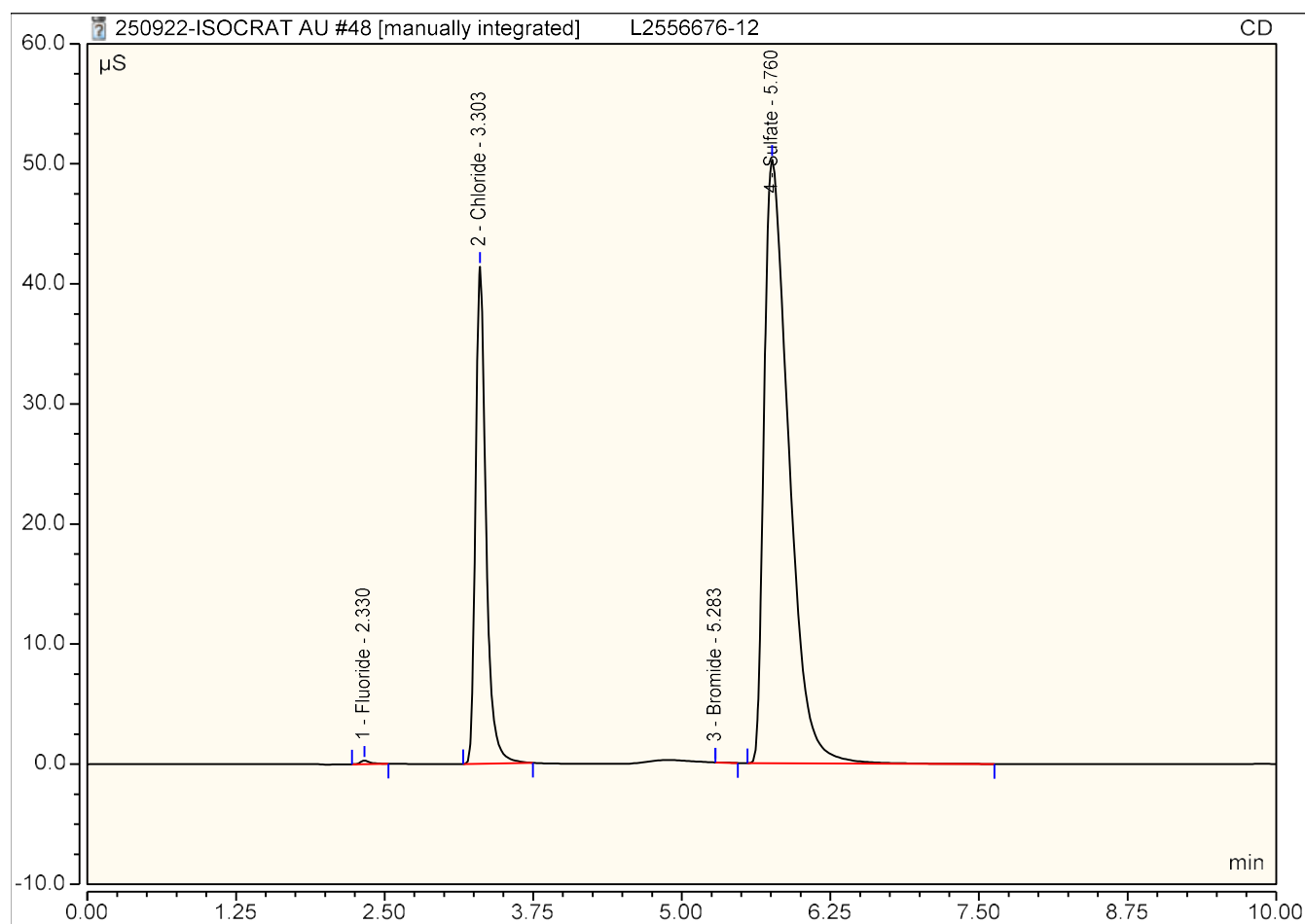
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.040	0.435	0.1002
3	3.27	Chloride	BMB	7.826	76.178	18.1678
4	5.31	Bromide	BMB*	0.004	0.029	0.0645
5	5.86	Sulfate	BM *	5.249	26.068	17.4760
6	6.28	Nitrate	MB*	0.162	1.057	0.1551
TOTAL:				13.28	103.77	35.96



Peak Integration Report

Sample Name:	L2556676-12	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 23:50	Run Time:	10.00

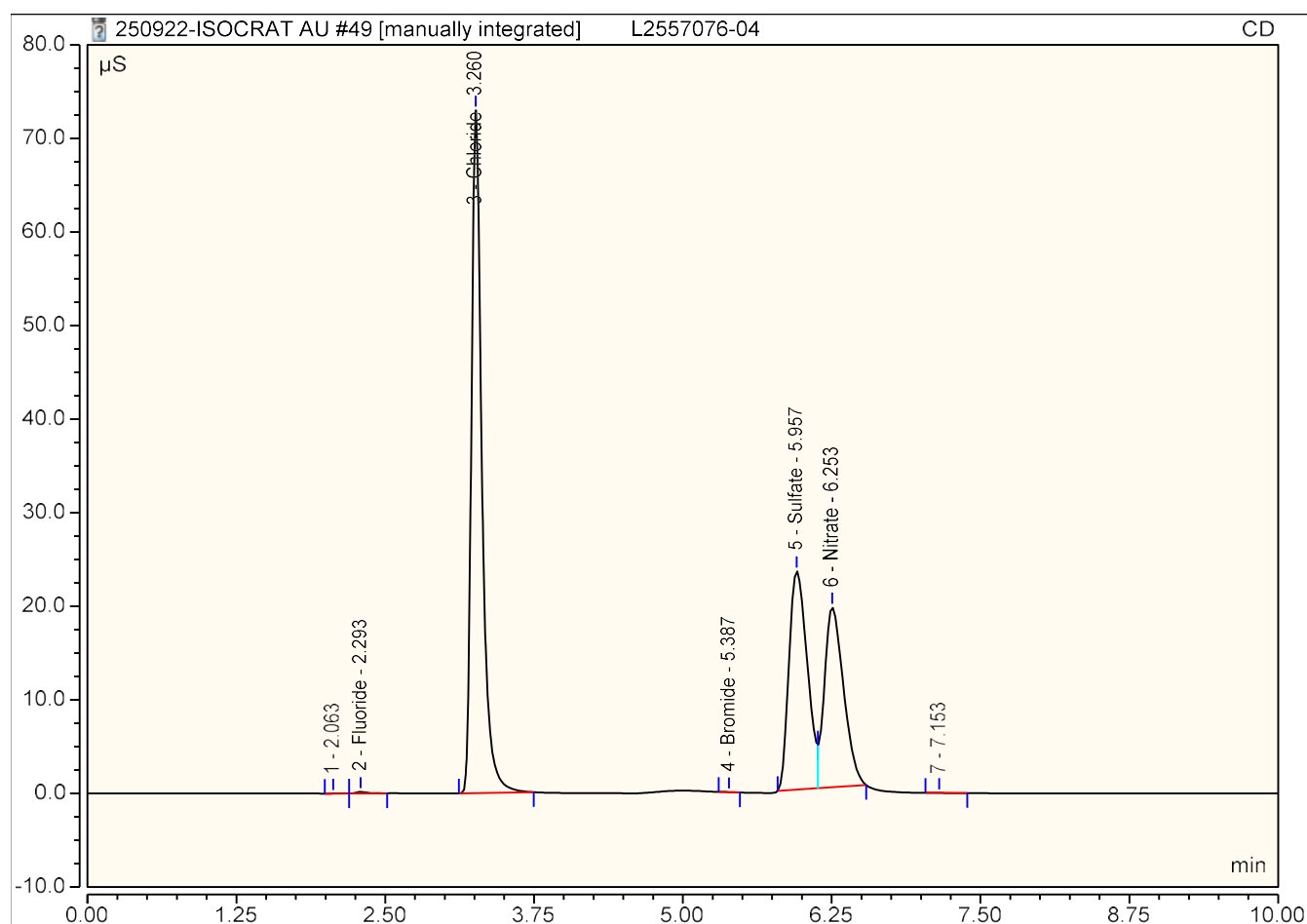
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	0.028	0.292	0.0796
2	3.30	Chloride	BMB	4.246	41.395	9.9126
3	5.28	Bromide	BMB*	0.002	0.000	0.0510
4	5.76	Sulfate	BMB	12.131	50.287	39.9015
TOTAL:				16.41	91.97	49.94



Peak Integration Report

Sample Name:	L2557076-04	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 00:02	Run Time:	10.00

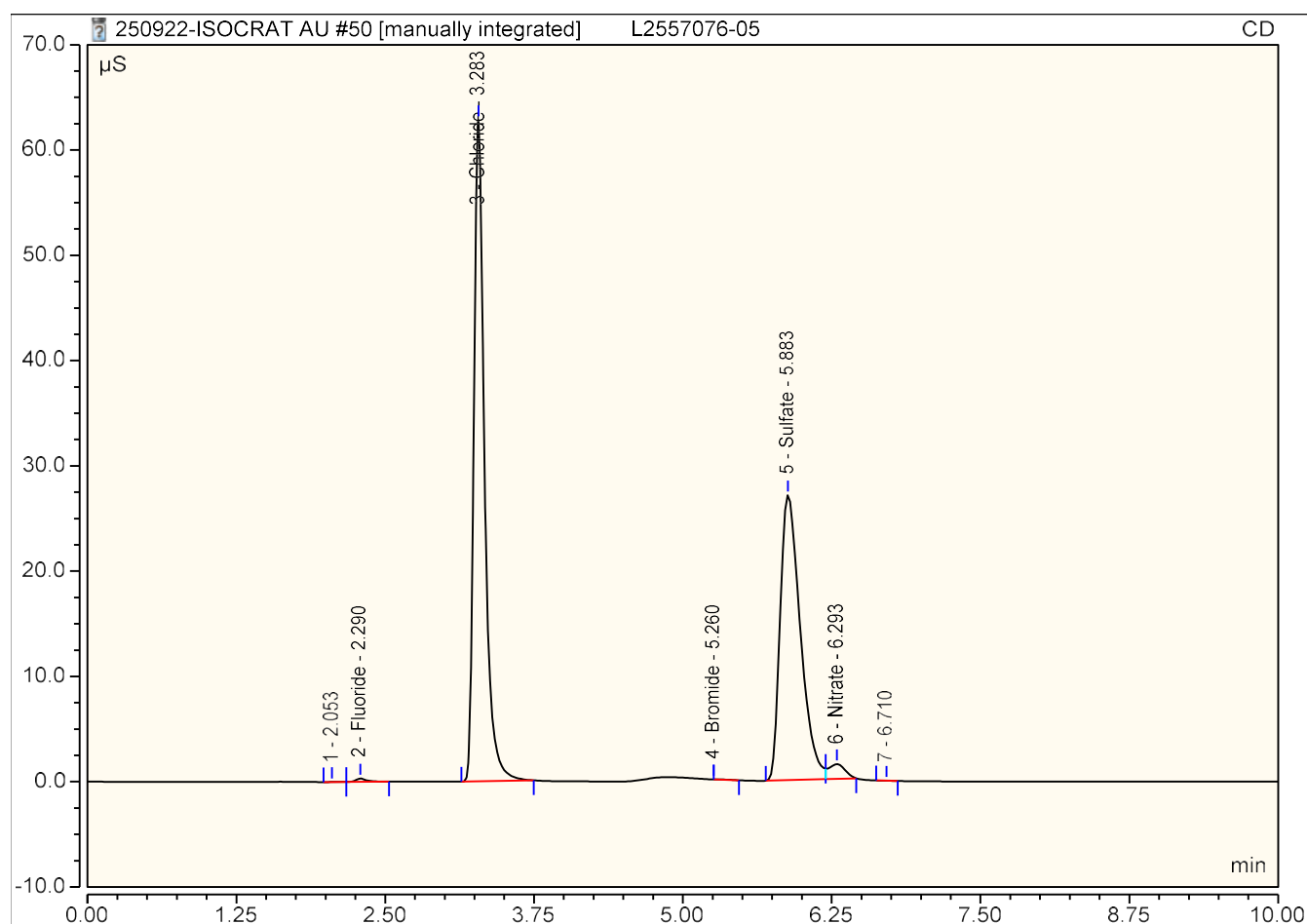
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.016	0.167	0.0601
3	3.26	Chloride	BMB	7.485	72.967	17.3814
4	5.39	Bromide	BMB*	0.002	0.018	0.0512
5	5.96	Sulfate	BM *	4.167	23.349	13.9504
6	6.25	Nitrate	MB*	3.608	19.230	3.1195
TOTAL:				15.28	115.73	34.56



Peak Integration Report

Sample Name:	L2557076-05	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 00:14	Run Time:	10.00

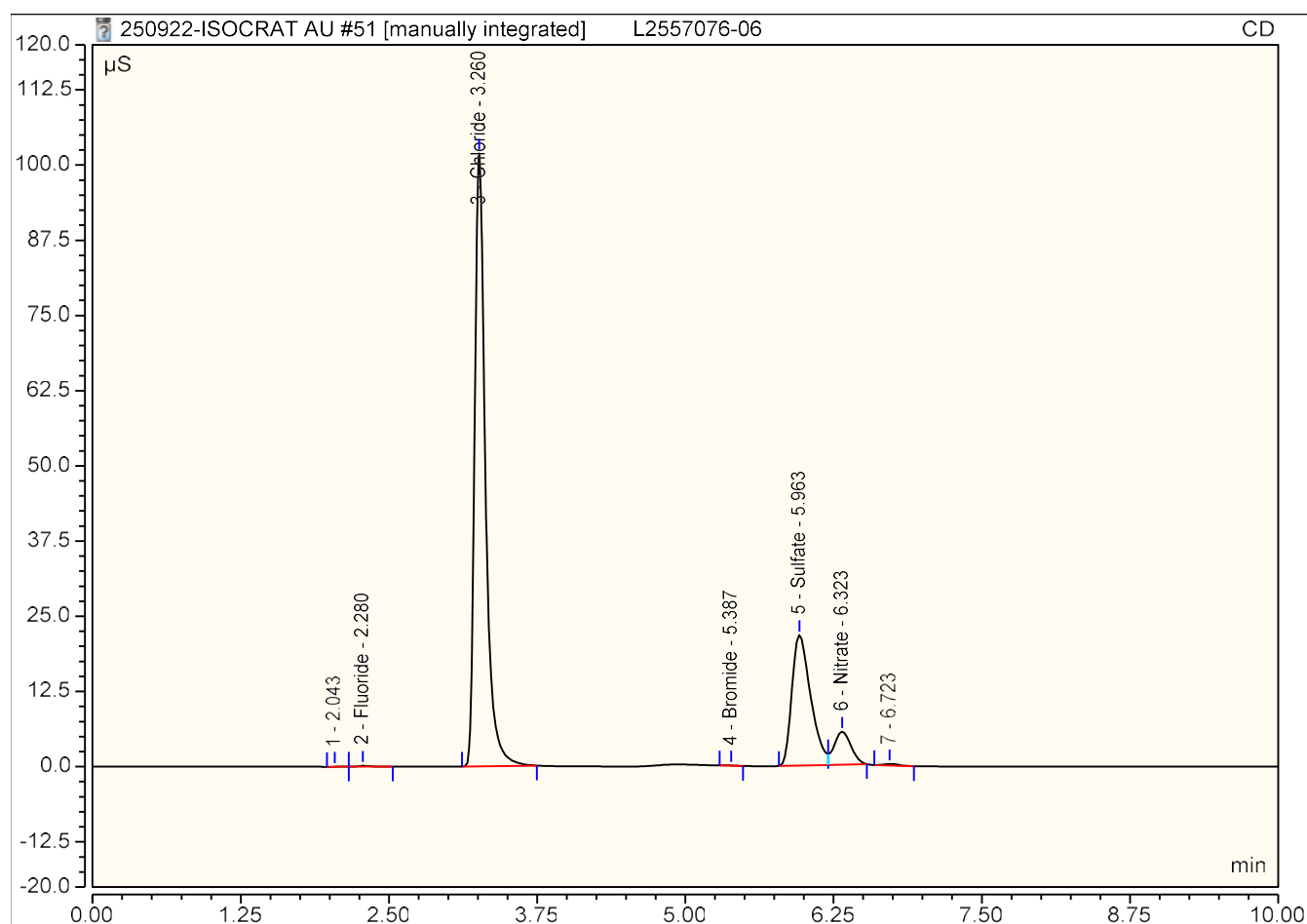
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.031	0.315	0.0851
3	3.28	Chloride	BMB	6.535	62.832	15.1901
4	5.26	Bromide	BMB*	0.003	0.000	0.0620
5	5.88	Sulfate	BM *	5.308	27.068	17.6694
6	6.29	Nitrate	MB*	0.223	1.394	0.2073
TOTAL:				12.10	91.61	33.21



Peak Integration Report

Sample Name:	L2557076-06	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 00:26	Run Time:	10.00

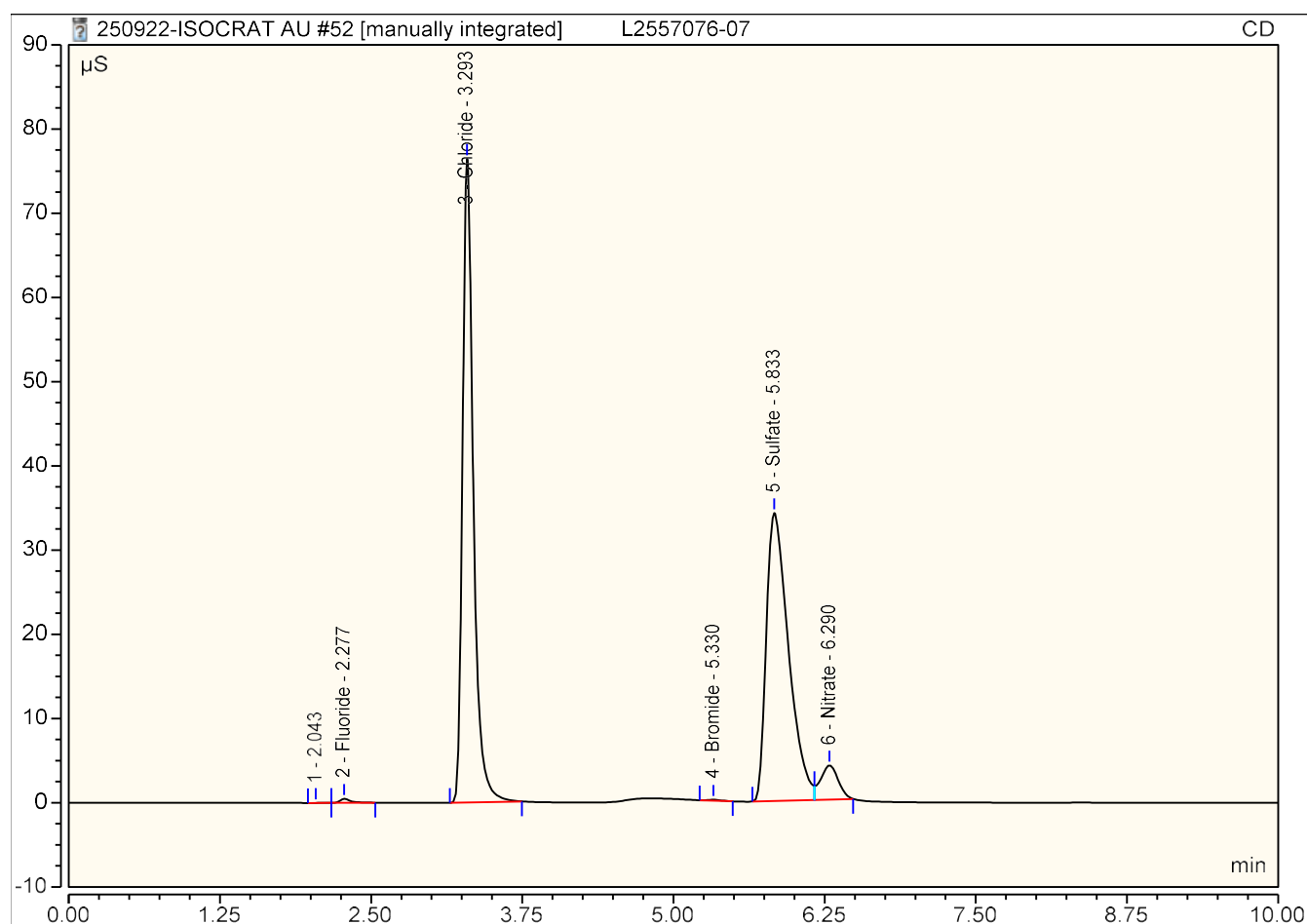
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.017	0.163	0.0607
3	3.26	Chloride	BMB	10.712	101.898	24.8235
4	5.39	Bromide	BMB*	0.004	0.038	0.0680
5	5.96	Sulfate	BM *	3.970	21.674	13.3094
6	6.32	Nitrate	MB*	0.909	5.486	0.7974
TOTAL:				15.61	129.26	39.06



Peak Integration Report

Sample Name:	L2557076-07	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 00:38	Run Time:	10.00

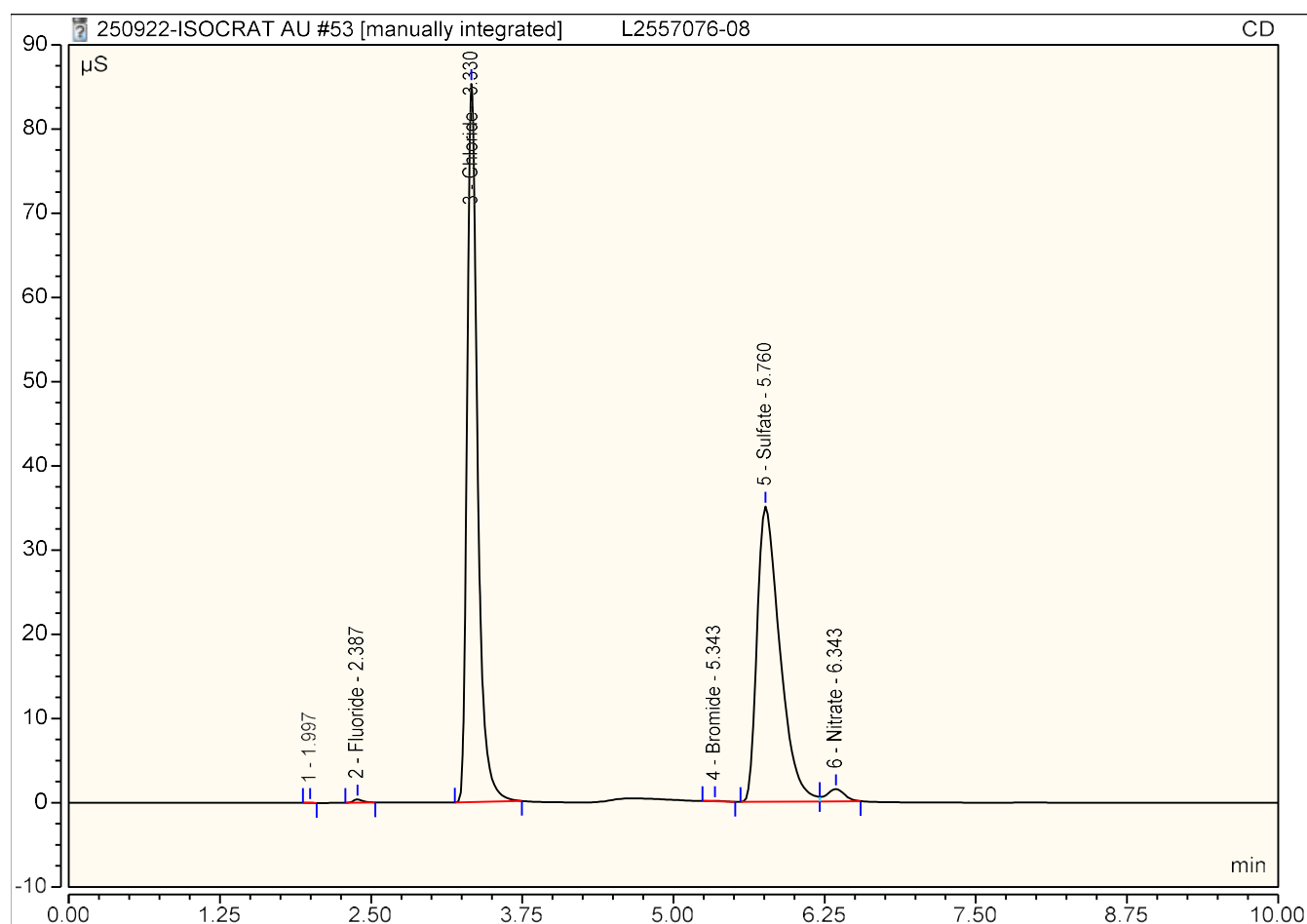
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.047	0.483	0.1123
3	3.29	Chloride	BMB	7.909	76.410	18.3594
4	5.33	Bromide	BMB*	0.015	0.119	0.1437
5	5.83	Sulfate	BM *	7.266	34.178	24.0497
6	6.29	Nitrate	MB*	0.693	4.078	0.6116
TOTAL:				15.93	115.27	43.28



Peak Integration Report

Sample Name:	L2557076-08	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 00:50	Run Time:	10.00

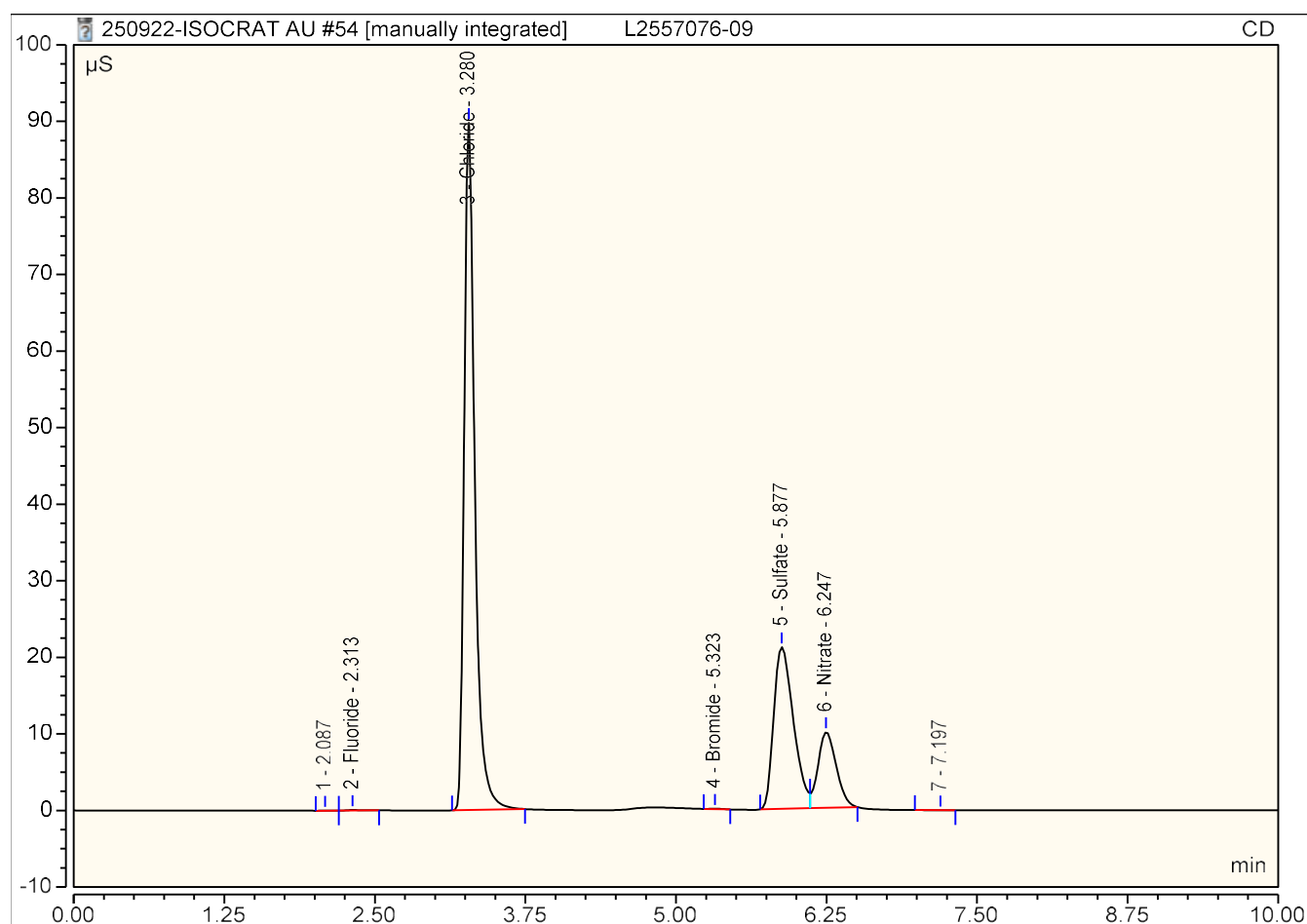
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.39	Fluoride	BMB	0.035	0.401	0.0932
3	3.33	Chloride	BMB	8.583	85.296	19.9134
4	5.34	Bromide	BMB*	0.008	0.064	0.0974
5	5.76	Sulfate	BM *	7.638	35.069	25.2616
6	6.34	Nitrate	MB*	0.248	1.465	0.2291
TOTAL:				16.51	122.29	45.59



Peak Integration Report

Sample Name:	L2557076-09	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 01:02	Run Time:	10.00

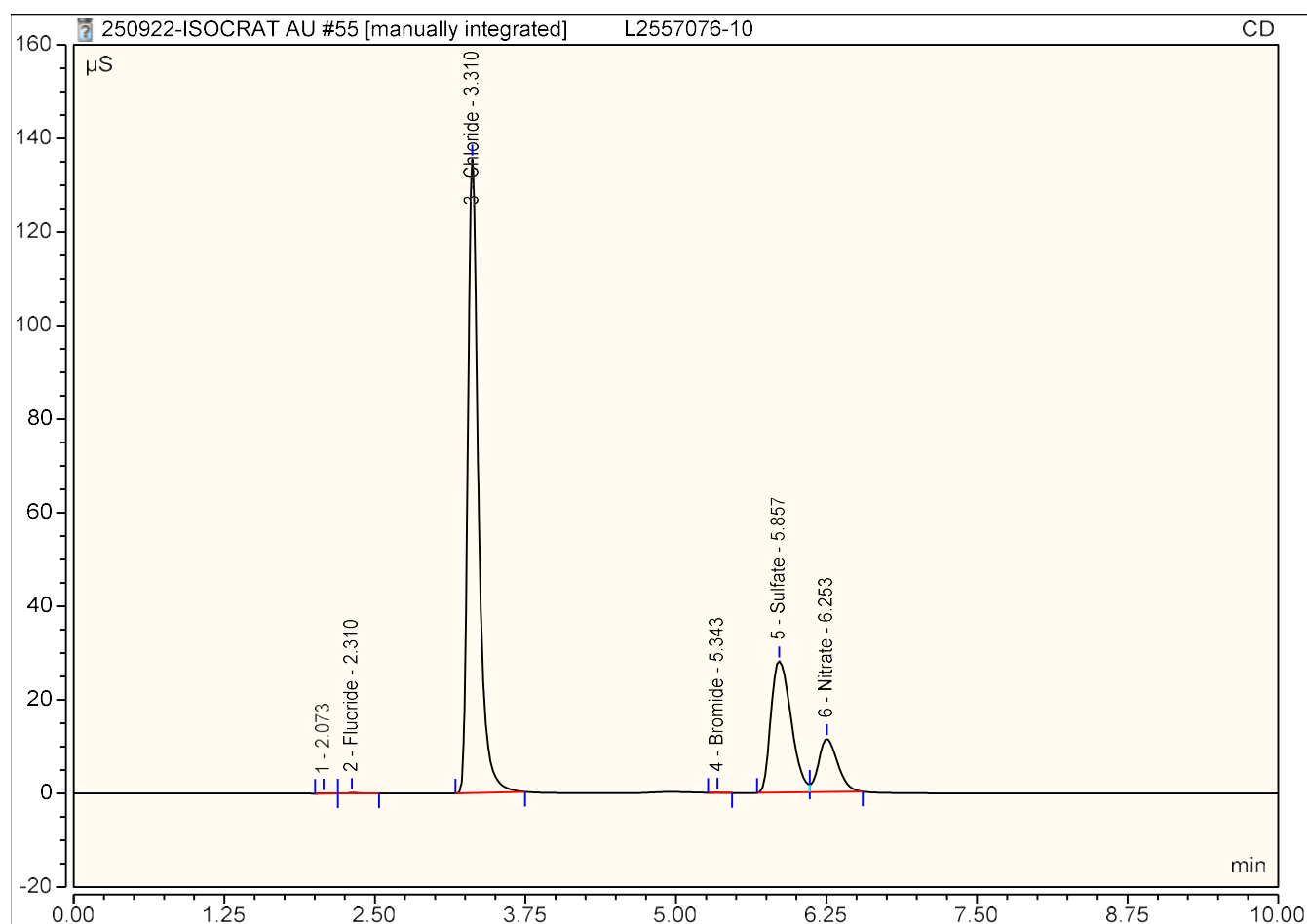
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.008	0.072	0.0451
3	3.28	Chloride	BMB	9.190	89.772	21.3130
4	5.32	Bromide	BMB*	0.006	0.051	0.0811
5	5.88	Sulfate	BM *	4.010	21.120	13.4417
6	6.25	Nitrate	MB*	1.740	9.901	1.5131
TOTAL:				14.95	120.92	36.39



Peak Integration Report

Sample Name:	L2557076-10	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 01:14	Run Time:	10.00

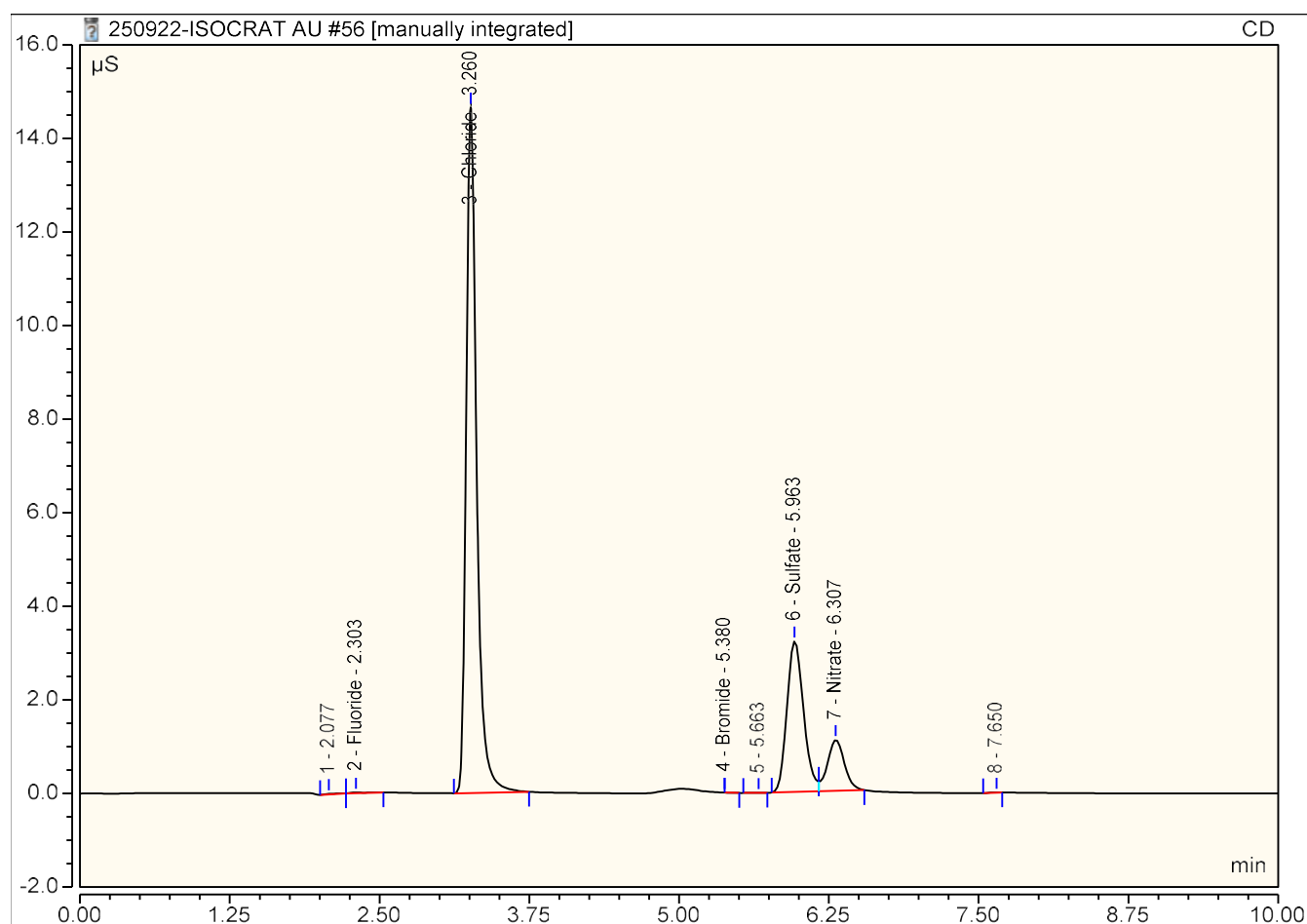
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.015	0.150	0.0584
3	3.31	Chloride	BMB	13.905	135.435	32.1871
4	5.34	Bromide	BMB*	0.004	0.031	0.0643
5	5.86	Sulfate	BM *	5.481	28.125	18.2348
6	6.25	Nitrate	MB*	2.088	11.388	1.8125
TOTAL:				21.49	175.13	52.36



Peak Integration Report

Sample Name:	XL2557076-10; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 01:26	Run Time:	10.00

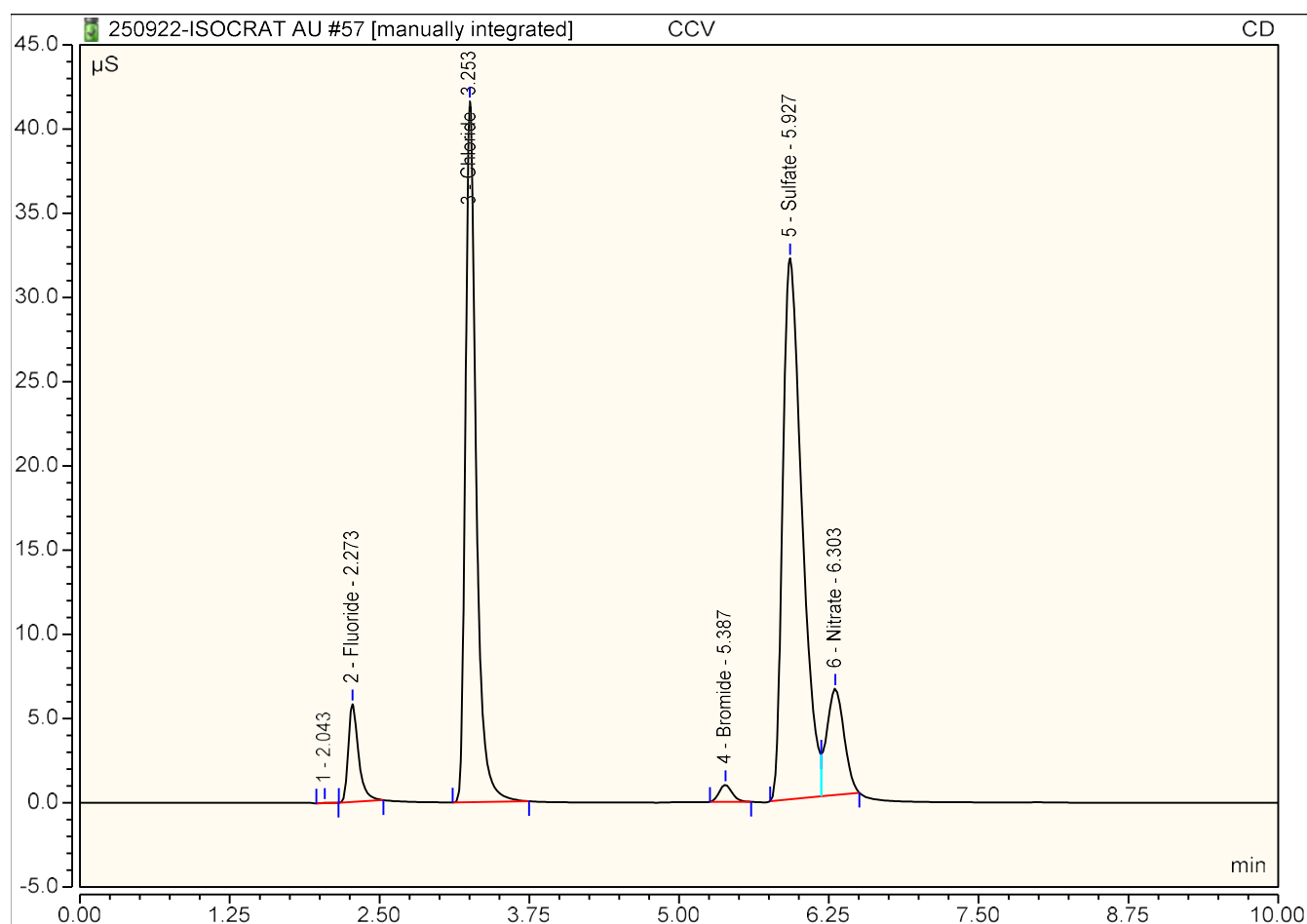
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.002	0.015	0.3500
3	3.26	Chloride	BMB	1.485	14.653	35.4452
4	5.38	Bromide	BMB*	0.000	0.000	0.3949
6	5.96	Sulfate	BM *	0.517	3.220	20.5901
7	6.31	Nitrate	MB*	0.177	1.091	1.6825
TOTAL:				2.18	18.98	58.46



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 01:39	Run Time:	10.00

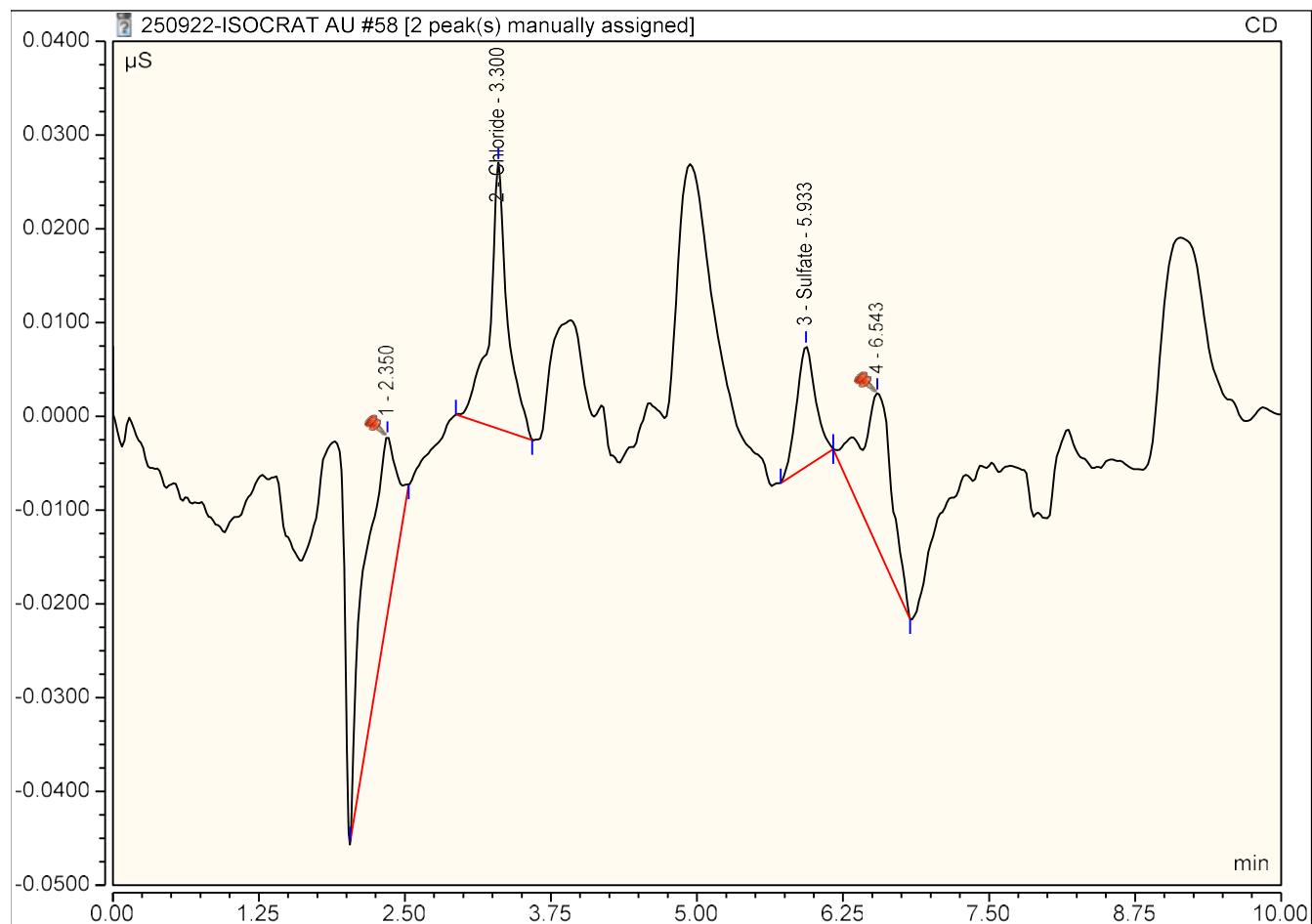
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.27	Fluoride	BMB	0.570	5.806	1.0143
3	3.25	Chloride	BMB	4.343	41.602	10.1354
4	5.39	Bromide	BMB*	0.128	1.003	0.9441
5	5.93	Sulfate	BM *	5.971	32.113	19.8288
6	6.30	Nitrate	MB*	1.058	6.310	0.9259
TOTAL:				12.07	86.83	32.85



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 01:51	Run Time:	10.00

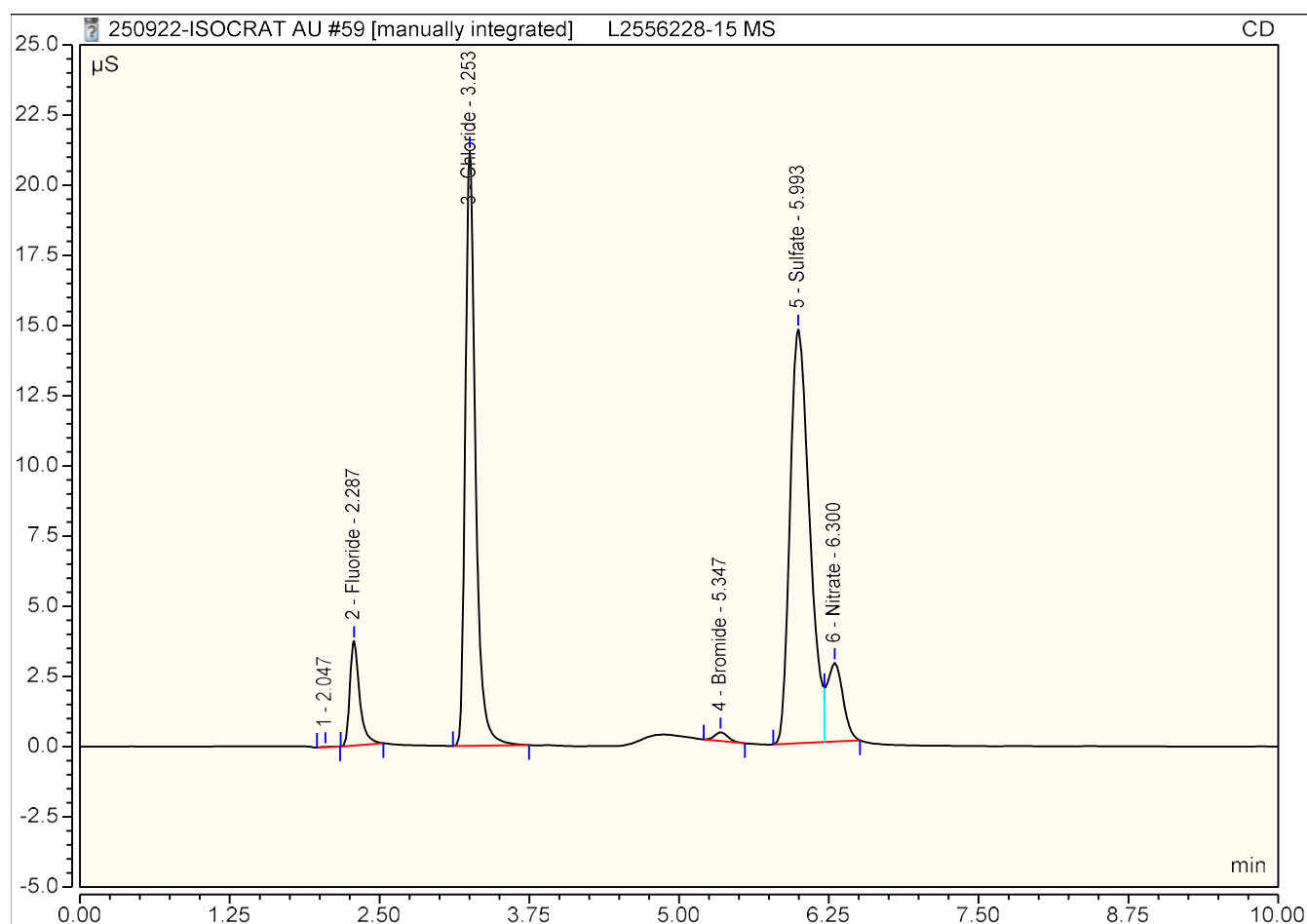
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.30	Chloride	BMB	0.005	0.028	0.1319
3	5.93	Sulfate	BMB	0.002	0.013	0.3825
TOTAL:				0.01	0.04	0.51



Peak Integration Report

Sample Name:	L2556228-15 MS	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 02:03	Run Time:	10.00

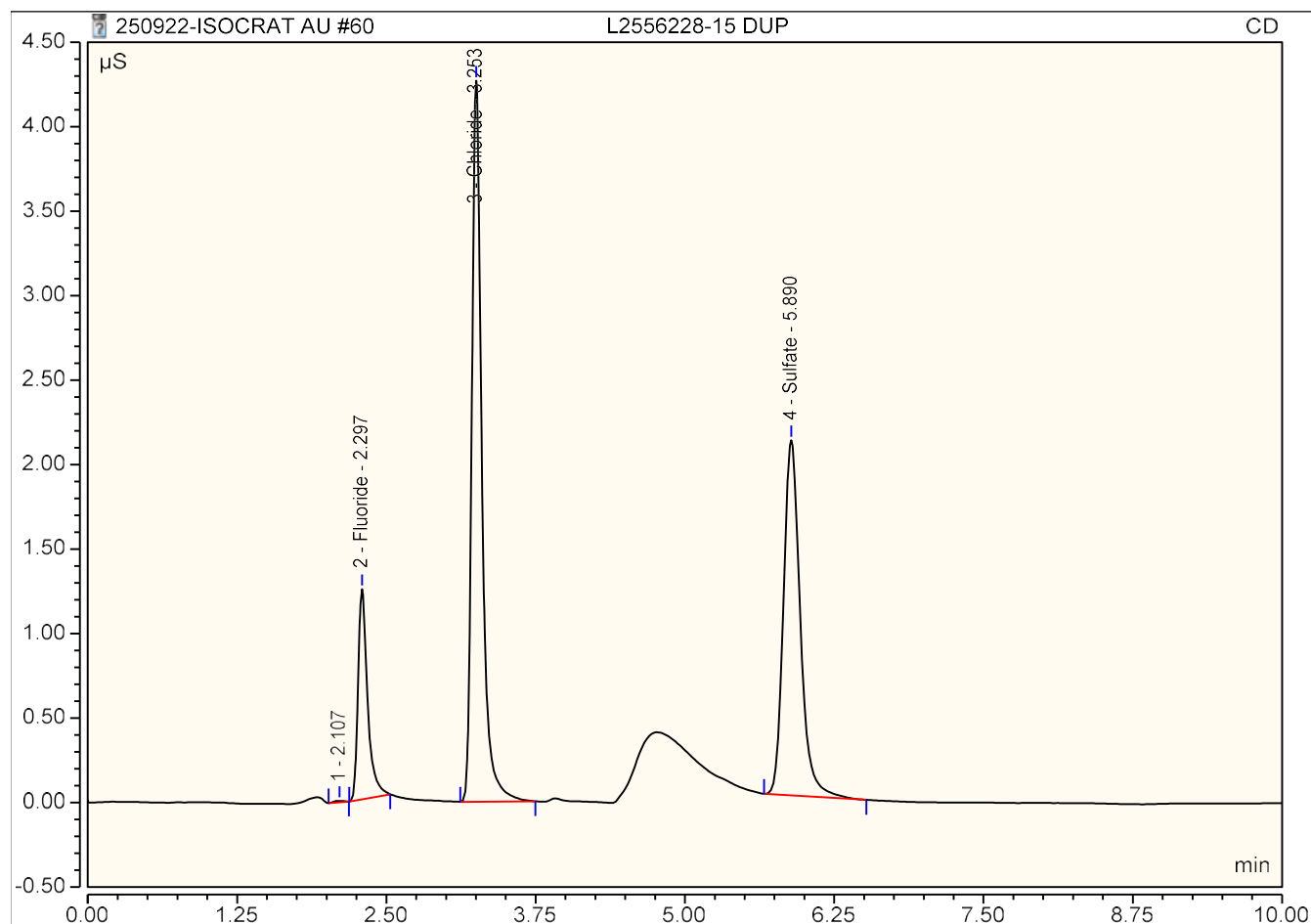
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.347	3.723	0.6303
3	3.25	Chloride	BMB	2.103	21.172	4.9690
4	5.35	Bromide	BMB*	0.040	0.311	0.3244
5	5.99	Sulfate	BM *	2.784	14.742	9.4447
6	6.30	Nitrate	MB*	0.430	2.800	0.3854
TOTAL:				5.70	42.75	15.75



Peak Integration Report

Sample Name:	L2556228-15 DUP	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 02:15	Run Time:	10.00

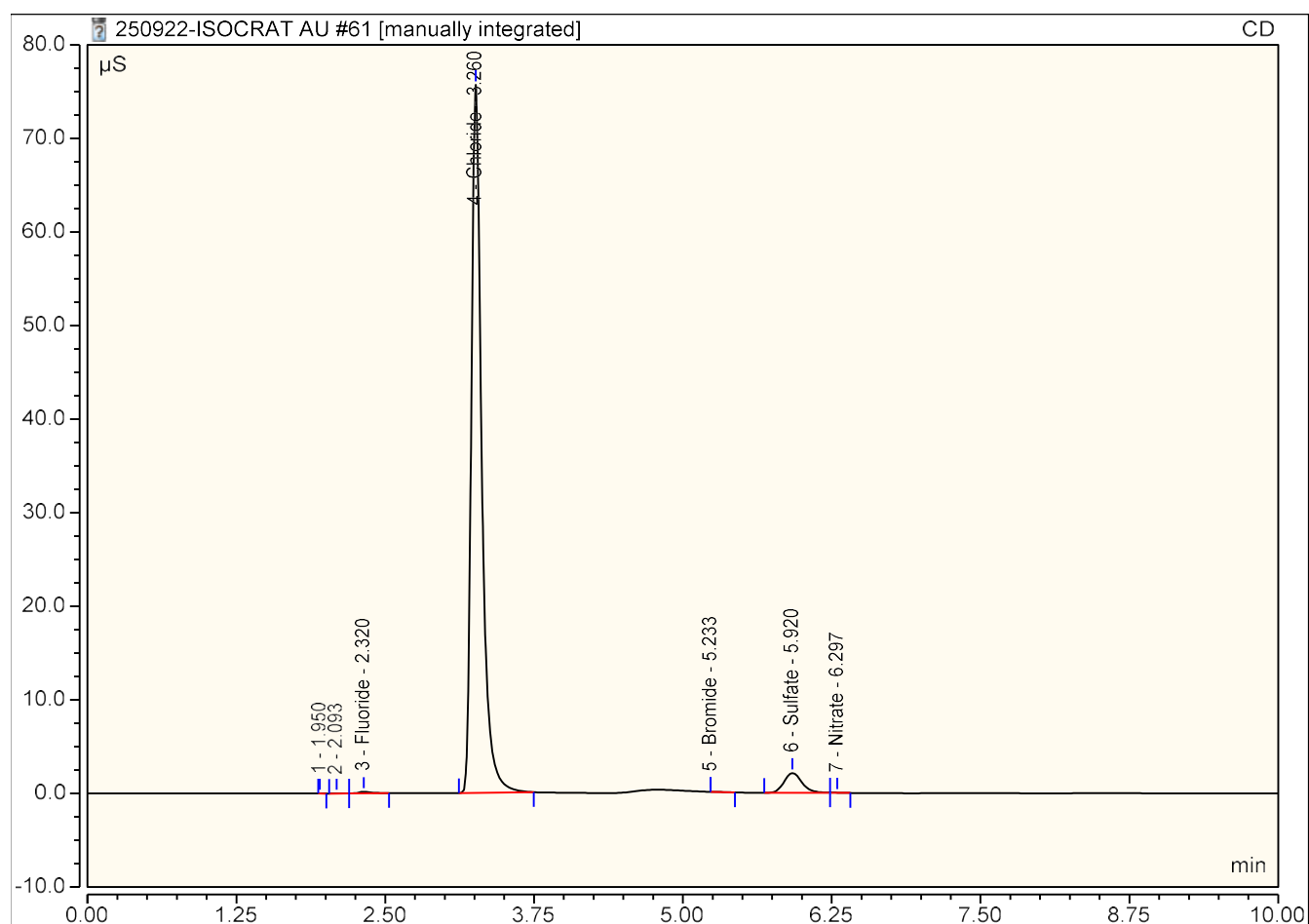
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.114	1.244	0.2289
3	3.25	Chloride	BMB	0.418	4.266	1.0840
4	5.89	Sulfate	BMB	0.342	2.101	1.4874
TOTAL:				0.87	7.61	2.80



Peak Integration Report

Sample Name:	L2556228-21; 5X CL	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	5.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 02:27	Run Time:	10.00

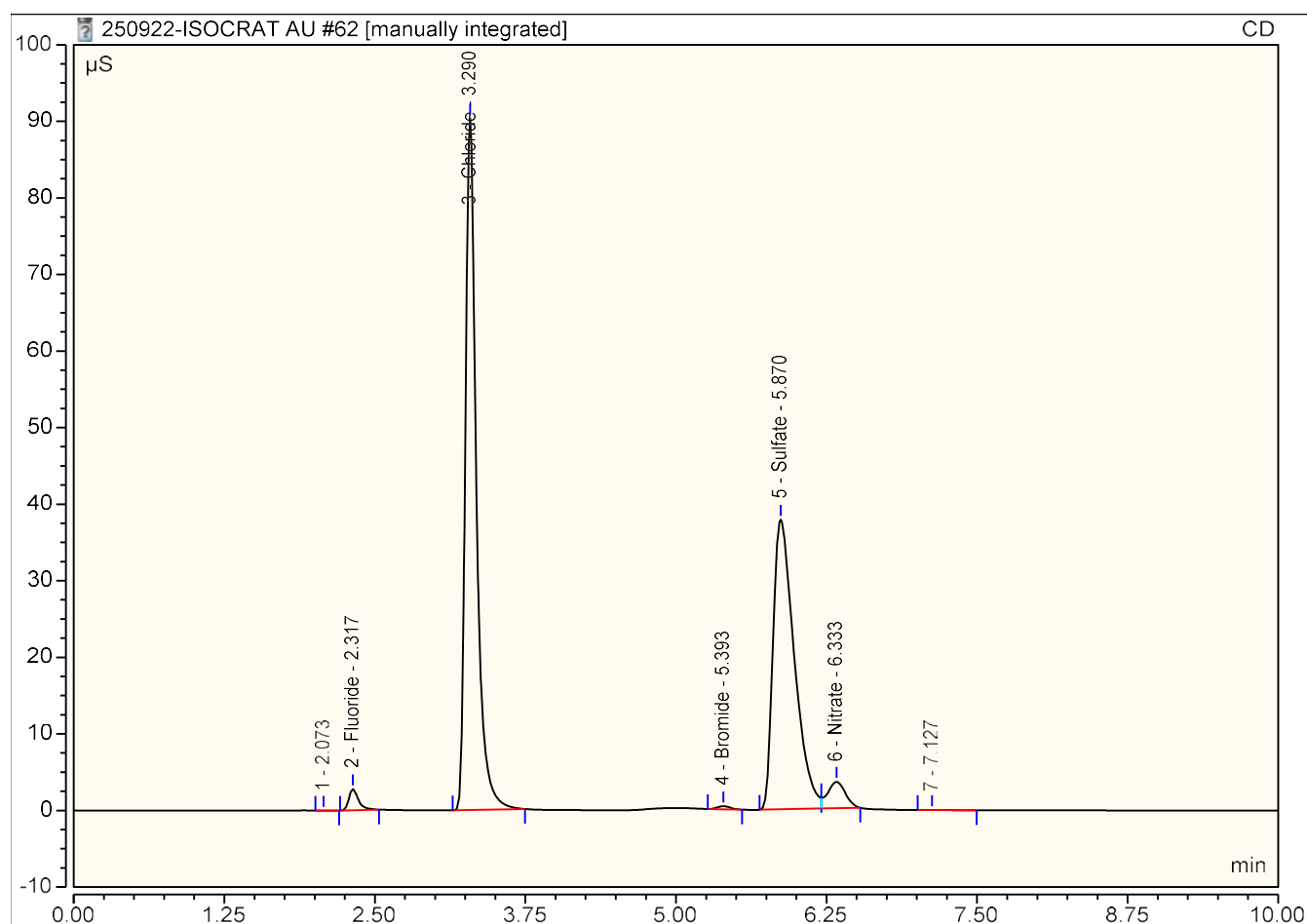
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
3	2.32	Fluoride	BMB	0.016	0.159	0.3010
4	3.26	Chloride	BMB	7.674	75.658	89.0919
5	5.23	Bromide	BMB*	0.002	0.000	0.2620
6	5.92	Sulfate	BM *	0.375	2.126	7.9802
7	6.30	Nitrate	MB*	0.004	0.030	0.0945
TOTAL:				8.07	77.97	97.73



Peak Integration Report

Sample Name:	L2557076-03 MS BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 02:39	Run Time:	10.00

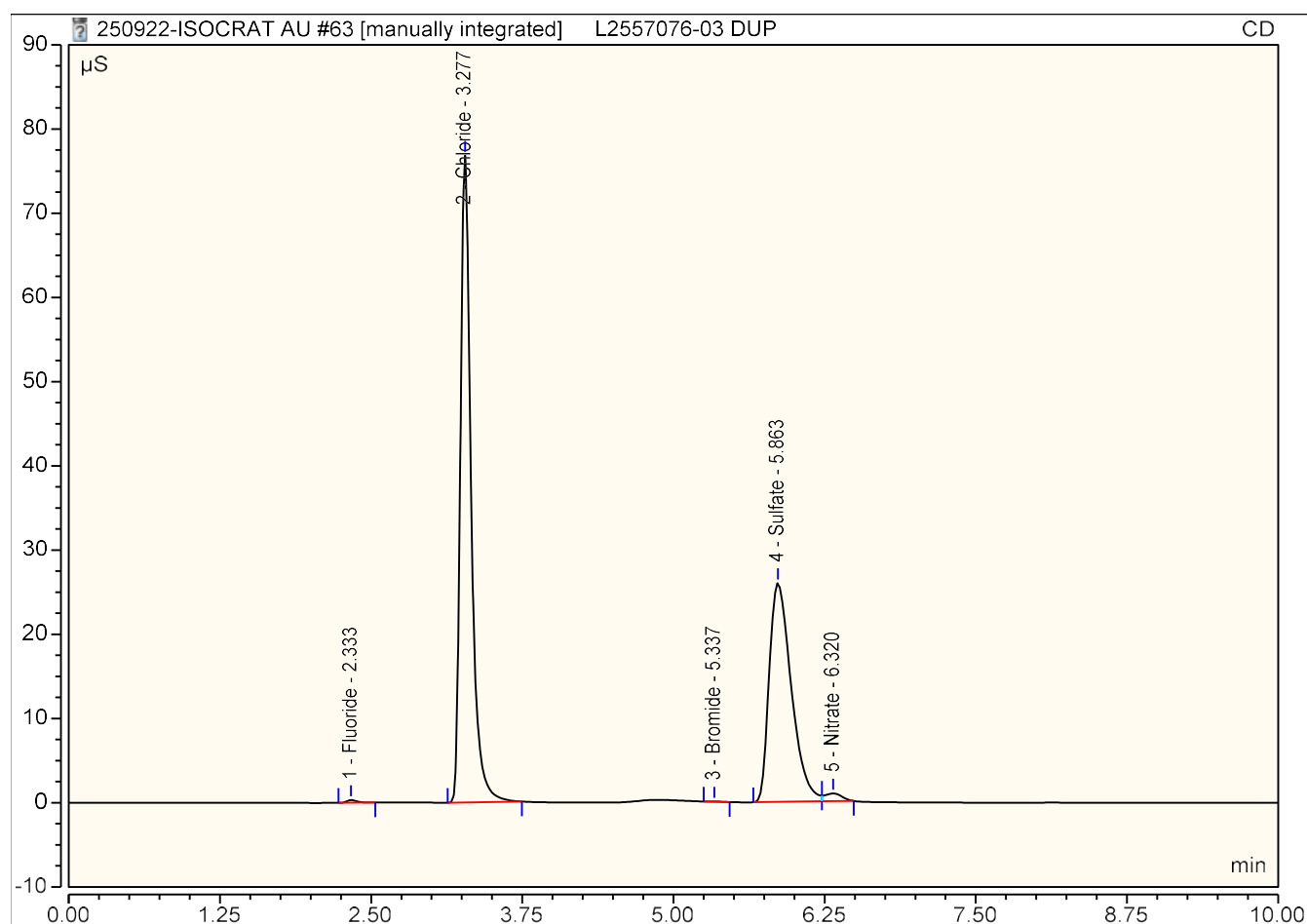
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.254	2.773	0.4703
3	3.29	Chloride	BMB	9.524	90.332	22.0834
4	5.39	Bromide	BMB*	0.049	0.389	0.3838
5	5.87	Sulfate	BM *	7.742	37.854	25.6002
6	6.33	Nitrate	MB*	0.591	3.470	0.5244
TOTAL:				18.16	134.82	49.06



Peak Integration Report

Sample Name:	L2557076-03 DUP	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 02:51	Run Time:	10.00

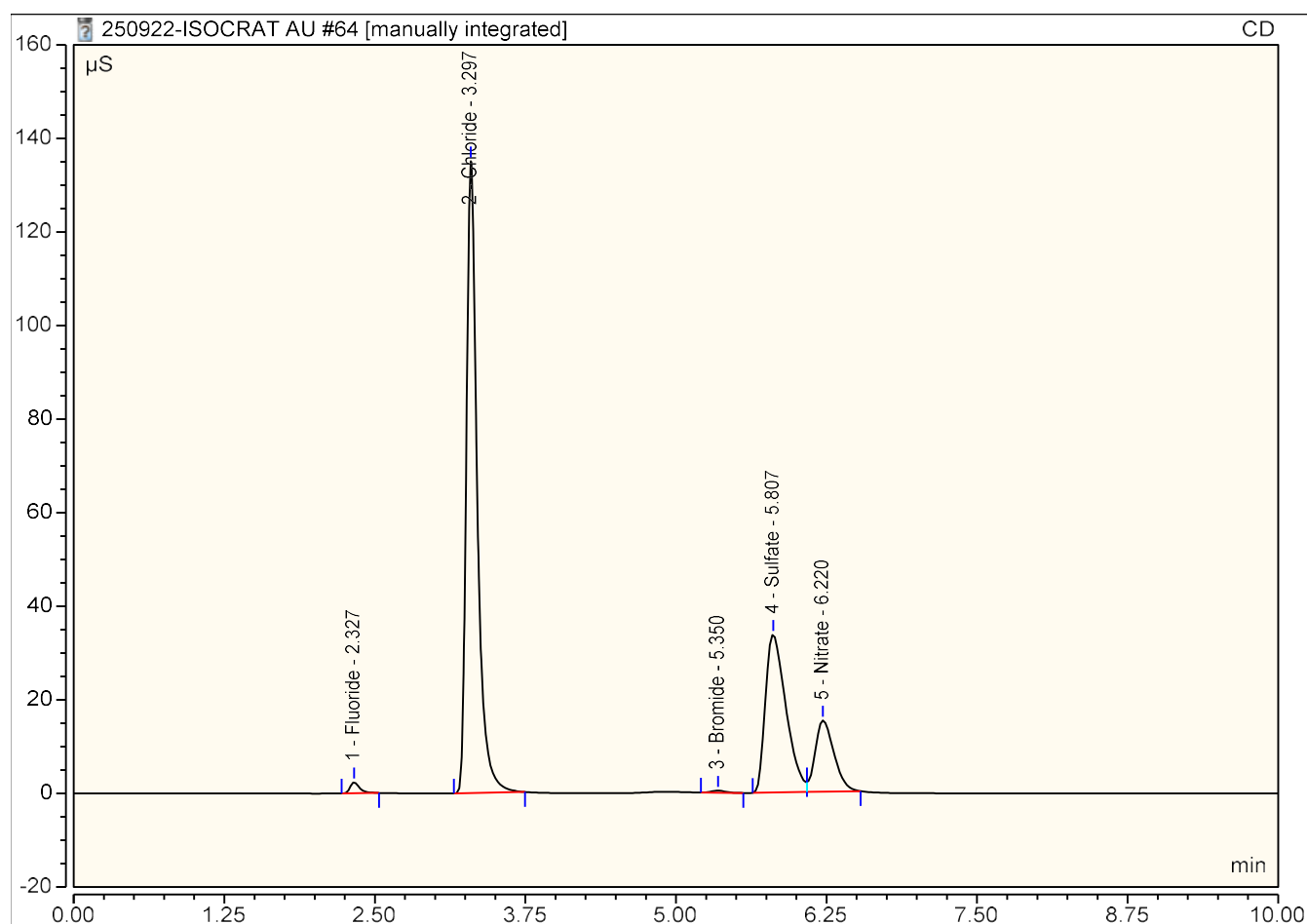
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	0.030	0.325	0.0838
2	3.28	Chloride	BMB	7.866	76.796	18.2602
3	5.34	Bromide	BMB*	0.004	0.034	0.0680
4	5.86	Sulfate	BM *	5.483	26.000	18.2402
5	6.32	Nitrate	MB*	0.153	0.933	0.1471
TOTAL:				13.54	104.09	36.80



Peak Integration Report

Sample Name:	L2556676-09 MS BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 03:03	Run Time:	10.00

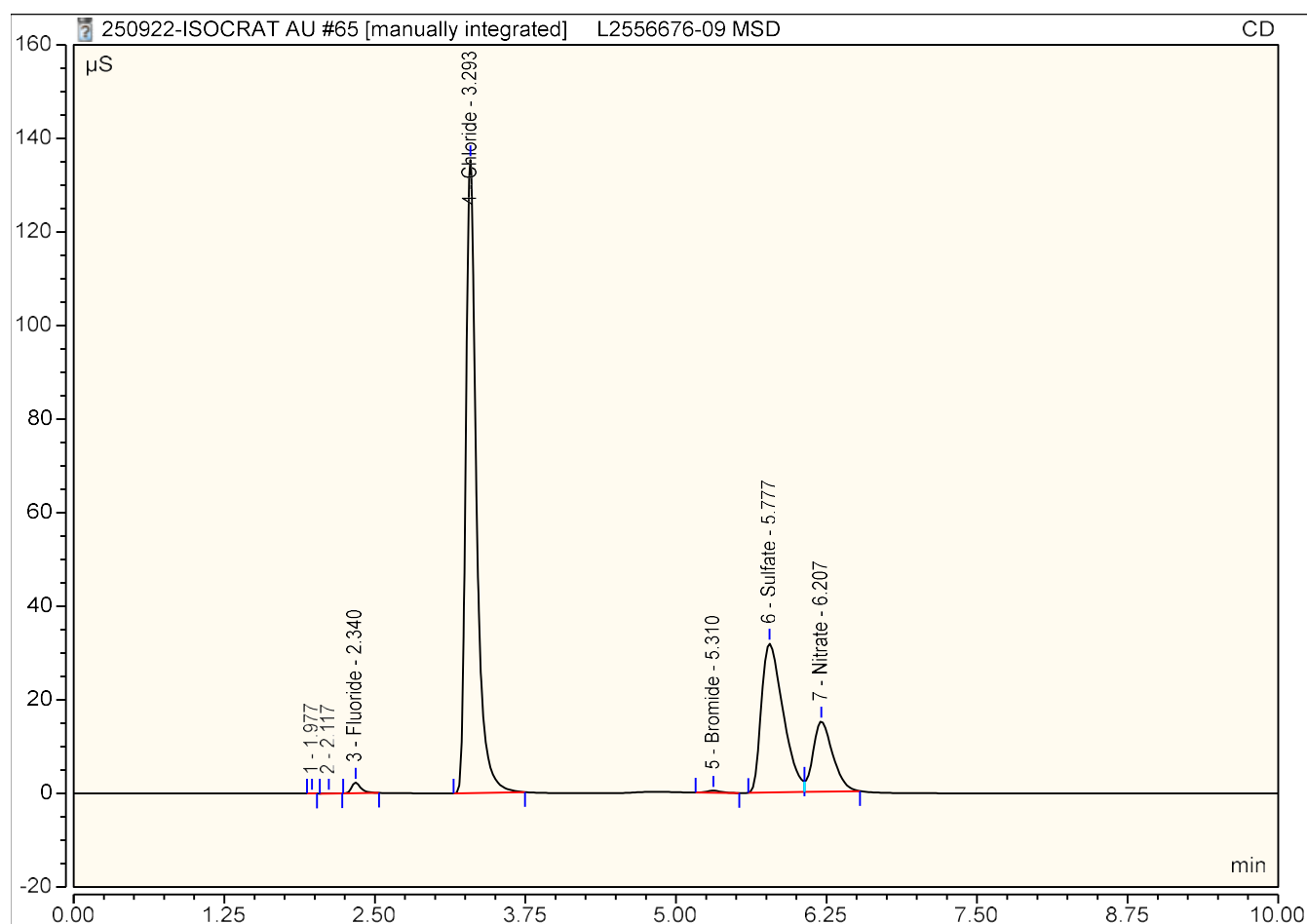
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	0.215	2.384	0.4027
2	3.30	Chloride	BMB	14.181	135.057	32.8224
3	5.35	Bromide	BMB*	0.060	0.475	0.4617
4	5.81	Sulfate	BM *	6.693	33.747	22.1836
5	6.22	Nitrate	MB*	2.771	15.254	2.3995
TOTAL:				23.92	186.92	58.27



Peak Integration Report

Sample Name:	L2556676-09 MSD	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 03:15	Run Time:	10.00

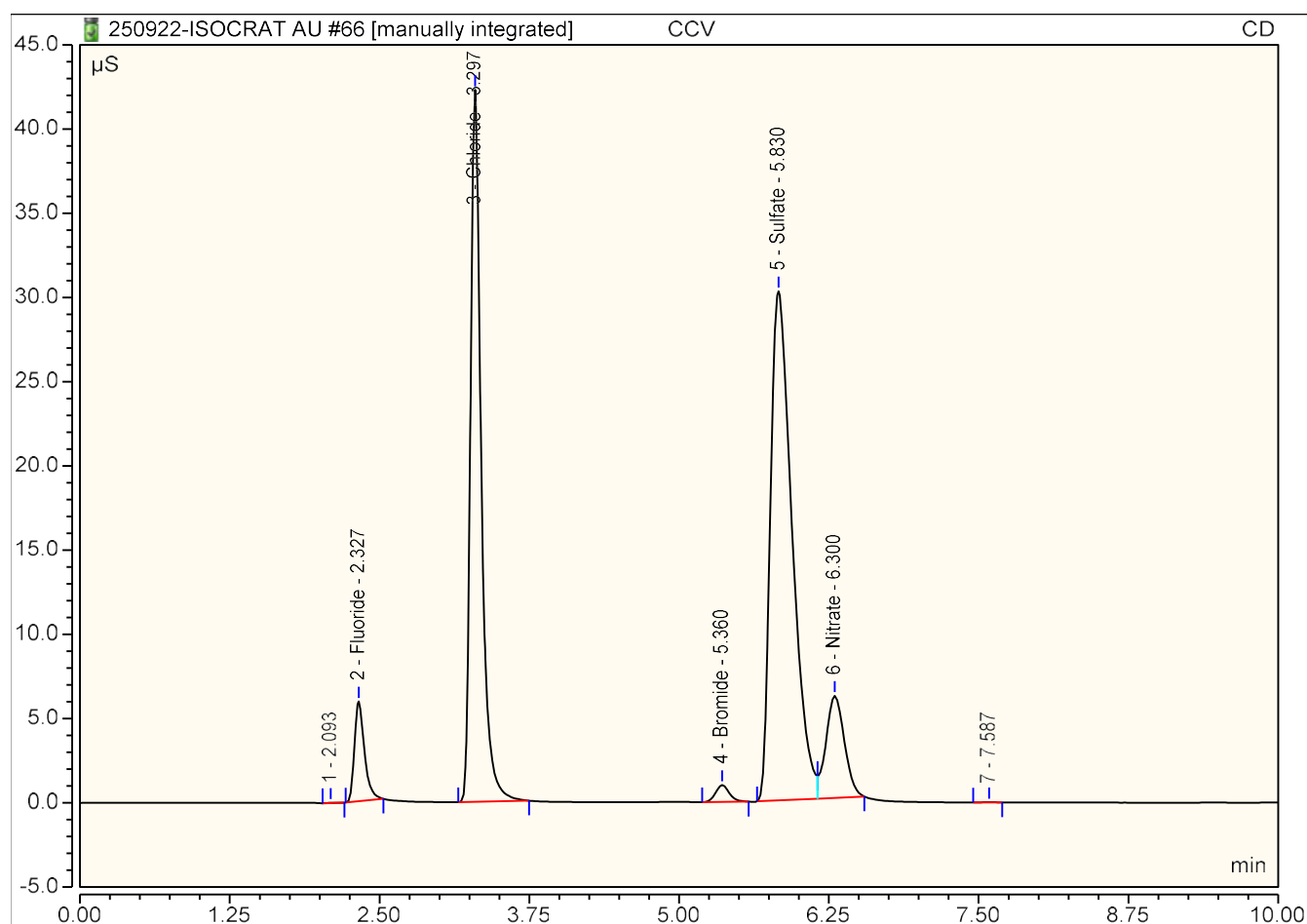
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
3	2.34	Fluoride	BMB	0.204	2.291	0.3834
4	3.29	Chloride	BMB	13.972	135.294	32.3419
5	5.31	Bromide	BMB*	0.061	0.471	0.4711
6	5.78	Sulfate	BM *	6.674	31.854	22.1199
7	6.21	Nitrate	MB*	2.851	15.030	2.4689
TOTAL:				23.76	184.94	57.79



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 03:27	Run Time:	10.00

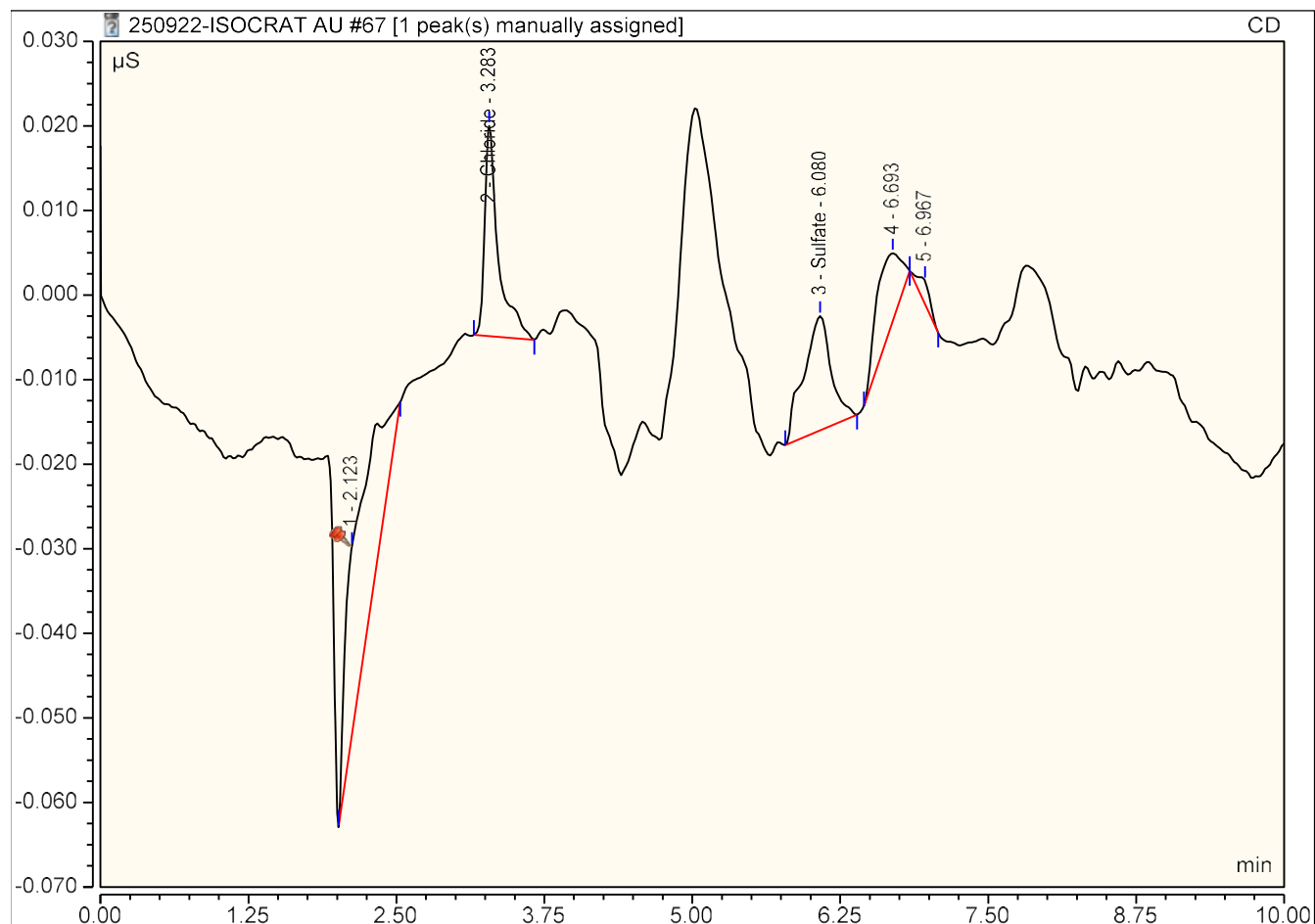
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.568	5.920	1.0110
3	3.30	Chloride	BMB	4.397	42.266	10.2610
4	5.36	Bromide	BMB*	0.133	1.010	0.9798
5	5.83	Sulfate	BM *	6.320	30.226	20.9667
6	6.30	Nitrate	MB*	1.082	6.065	0.9464
TOTAL:				12.50	85.49	34.16



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 03:39	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.28	Chloride	BMB	0.003	0.025	0.1278
3	6.08	Sulfate	BMB	0.004	0.014	0.3864
TOTAL:				0.01	0.04	0.51



Anion Summary Report

No.	Name	Dilution	Amount CD Fluoride	Amount CD Chloride	Amount CD Nitrate	Amount CD Sulfate	Amount CD Bromide
1	BLANK	1.0	n.a.	n.a.	n.a.	n.a.	n.a.
2	STD 0.5	1.0	0.0477	0.3531	0.0335	0.7372	0.0483
3	STD 1.0	1.0	0.0627	0.5505	0.0486	1.1732	0.0747
4	STD 2.0	1.0	0.1692	2.0467	0.1711	4.2111	0.1893
5	STD 3.0	1.0	0.4538	4.9808	0.4714	10.1018	0.4500
6	STD 4.0	1.0	2.0599	19.6998	2.0773	38.8305	2.0127
7	STD 5.0	1.0	4.9817	50.1191	4.9731	100.4463	5.4201
8	RINSE	1.0	0.0405	0.1276	n.a.	0.3826	n.a.
9	CCV	1.0	1.0284	10.0896	0.9587	20.2950	0.9448
10	CCB	1.0	0.0333	0.1291	0.0158	0.3796	n.a.
11	ICV	1.0	0.8043	8.2363	0.7501	8.1766	0.7696
12	ICB	1.0	0.0340	0.1363	n.a.	0.3837	n.a.
13	BLK	1.0	0.0331	0.1300	n.a.	0.3829	n.a.
14	LCS	1.0	0.7826	8.1324	0.7657	8.3037	0.7743
15	BLK-2	1.0	0.0338	0.1293	n.a.	0.3891	n.a.
16	LCS-2	1.0	0.7823	8.1224	0.7553	8.5676	0.7584
17	L2556228-14 CL SO4 BR	1.0	0.0821	40.0519	n.a.	62.4043	0.0448
18	L2556228-15	1.0	0.2335	1.1102	n.a.	1.4708	n.a.
19	L2556228-16	1.0	0.1665	53.7595	n.a.	0.3926	0.1098
20	L2556228-16; 10X	10.0	0.4776	66.3979	n.a.	3.8505	0.4169
21	CCV	1.0	0.9812	10.1694	0.9544	20.7681	0.9735
22	CCB	1.0	n.a.	0.1303	n.a.	0.3885	n.a.
23	L2556228-17	1.0	0.3141	1.0895	n.a.	3.1781	n.a.
24	L2556228-18	1.0	0.1020	43.2774	n.a.	30.8168	0.1626
25	L2556228-19	1.0	0.0684	10.1365	n.a.	17.8668	n.a.
26	L2556228-20	1.0	0.1128	0.9690	n.a.	7.7489	n.a.
27	L2556228-21	1.0	0.1832	87.0037	0.0320	7.2325	0.1574
28	L2556228-22	1.0	0.0802	44.3853	n.a.	69.3609	0.0484
29	L2556228-23	1.0	0.1521	3.9864	n.a.	9.5825	n.a.
30	XL2556228-23; 10X	10.0	0.4592	5.0584	n.a.	13.7220	n.a.
31	L2557076-03 BR	1.0	0.0844	18.8045	0.1323	17.3628	0.0605
32	L2557076-02	1.0	0.0433	0.1239	n.a.	0.3783	n.a.
33	CCV	1.0	0.9700	10.0331	0.9396	20.8398	0.9402
34	CCB	1.0	0.0342	0.1277	n.a.	0.3763	n.a.
35	L2556676-11 BR	1.0	0.0419	19.5693	4.6491	10.8722	0.0533
36	L2556676-10	1.0	0.0735	10.5387	0.5829	9.7781	0.0542
37	L2556676-09	1.0	0.0473	29.1052	2.1523	13.8853	0.1166
38	L2556676-08	1.0	0.1155	17.3401	0.1462	19.3118	0.0613
39	L2556676-07	1.0	0.1568	17.6700	0.0652	14.4016	0.0635
40	L2556676-06	1.0	0.0910	17.6444	0.0695	16.7627	0.0626
41	L2556676-05	1.0	0.1035	17.8342	0.5903	22.3008	0.0757
42	L2556676-04	1.0	0.0993	18.1638	0.1501	17.6320	0.0654
43	L2556676-03	1.0	0.0337	17.4967	n.a.	16.3884	0.0789
44	XL2556676-03; 10X	10.0	0.4087	20.5572	n.a.	20.6360	n.a.

45	CCV	1.0	1.0202	10.0175	0.9521	20.8387	0.9414
46	CCB	1.0	n.a.	0.1316	n.a.	0.3818	n.a.
47	L2556676-02	1.0	0.1002	18.1678	0.1551	17.4760	0.0645
48	L2556676-12	1.0	0.0796	9.9126	n.a.	39.9015	0.0510
49	L2557076-04	1.0	0.0601	17.3814	3.1195	13.9504	0.0512
50	L2557076-05	1.0	0.0851	15.1901	0.2073	17.6694	0.0620
51	L2557076-06	1.0	0.0607	24.8235	0.7974	13.3094	0.0680
52	L2557076-07	1.0	0.1123	18.3594	0.6116	24.0497	0.1437
53	L2557076-08	1.0	0.0932	19.9134	0.2291	25.2616	0.0974
54	L2557076-09	1.0	0.0451	21.3130	1.5131	13.4417	0.0811
55	L2557076-10	1.0	0.0584	32.1871	1.8125	18.2348	0.0643
56	XL2557076-10; 10X	10.0	0.3500	35.4452	1.6825	20.5901	0.3949
57	CCV	1.0	1.0143	10.1354	0.9259	19.8288	0.9441
58	CCB	1.0	n.a.	0.1319	n.a.	0.3825	n.a.
59	L2556228-15 MS	1.0	0.6303	4.9690	0.3854	9.4447	0.3244
60	L2556228-15 DUP	1.0	0.2289	1.0840	n.a.	1.4874	n.a.
61	L2556228-21; 5X CL	5.0	0.3010	89.0919	0.0945	7.9802	0.2620
62	L2557076-03 MS BR	1.0	0.4703	22.0834	0.5244	25.6002	0.3838
63	L2557076-03 DUP	1.0	0.0838	18.2602	0.1471	18.2402	0.0680
64	L2556676-09 MS BR	1.0	0.4027	32.8224	2.3995	22.1836	0.4617
65	L2556676-09 MSD	1.0	0.3834	32.3419	2.4689	22.1199	0.4711
66	CCV	1.0	1.0110	10.2610	0.9464	20.9667	0.9798
67	CCB	1.0	n.a.	0.1278	n.a.	0.3864	n.a.
	Sum:	107.000	23.6541		40.4571	1026.1961	20.9022
	Average:	1.597	0.3815		0.9868	15.5484	0.4447
	Rel.Std.Dev:	137.039 %	1.8515		1.1889	1.0951	1.9009

Inject Time	Comment
19/Sep/2025 14:38	AU
19/Sep/2025 14:50	LOT#250918-0.5
19/Sep/2025 15:02	LOT#250918-1.0
19/Sep/2025 15:14	LOT#250918-2.0
19/Sep/2025 15:26	LOT#250918-3.0
19/Sep/2025 15:38	LOT#250918-4.0
19/Sep/2025 15:50	LOT#250918-5.0
22/Sep/2025 15:46	'G2118199-8200-8201
22/Sep/2025 15:58	LOT#250918-C
22/Sep/2025 16:11	AU
22/Sep/2025 16:23	LOT#250918-I
22/Sep/2025 16:35	AU
22/Sep/2025 16:47	AU
22/Sep/2025 16:59	LOT#250918-I
22/Sep/2025 17:11	AU
22/Sep/2025 17:23	LOT#250918-I
22/Sep/2025 17:35	AU
22/Sep/2025 17:47	AU
22/Sep/2025 17:59	AU
22/Sep/2025 18:11	AU
22/Sep/2025 18:24	LOT#250918-C
22/Sep/2025 18:36	AU
22/Sep/2025 18:48	AU
22/Sep/2025 19:00	AU
22/Sep/2025 19:12	AU
22/Sep/2025 19:24	AU
22/Sep/2025 19:36	AU
22/Sep/2025 19:48	AU
22/Sep/2025 20:00	AU
22/Sep/2025 20:12	AU
22/Sep/2025 20:24	AU
22/Sep/2025 20:36	AU
22/Sep/2025 20:49	LOT#250918-C
22/Sep/2025 21:01	AU
22/Sep/2025 21:13	AU
22/Sep/2025 21:25	AU
22/Sep/2025 21:37	AU
22/Sep/2025 21:49	AU
22/Sep/2025 22:01	AU
22/Sep/2025 22:13	AU
22/Sep/2025 22:25	AU
22/Sep/2025 22:37	AU
22/Sep/2025 22:49	AU
22/Sep/2025 23:02	AU

22/Sep/2025 23:14	LOT#250918-C
22/Sep/2025 23:26	AU
22/Sep/2025 23:38	AU
22/Sep/2025 23:50	AU
23/Sep/2025 00:02	AU
23/Sep/2025 00:14	AU
23/Sep/2025 00:26	AU
23/Sep/2025 00:38	AU
23/Sep/2025 00:50	AU
23/Sep/2025 01:02	AU
23/Sep/2025 01:14	AU
23/Sep/2025 01:26	AU
23/Sep/2025 01:39	LOT#250918-C
23/Sep/2025 01:51	AU
23/Sep/2025 02:03	AU
23/Sep/2025 02:15	AU
23/Sep/2025 02:27	AU
23/Sep/2025 02:39	AU
23/Sep/2025 02:51	AU
23/Sep/2025 03:03	AU
23/Sep/2025 03:15	AU
23/Sep/2025 03:27	LOT#250918-C
23/Sep/2025 03:39	AU
	0.000
	#DIV/0!
	#DIV/0!

Quality Control

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 8A
 Lab Sample ID : L2556676-09
 Matrix Spike : WG2118199-3
 Matrix Spike Dup : WG2118199-4

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/23/25 03:03
 MSD Analysis Date : 09/23/25 03:15

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			%R	Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit	
		Spike Added (mg/l)	Spike Conc. (mg/l)			Spike Added (mg/l)	Spike Conc. (mg/l)					
Bromide	0.117	0.4	0.462	86	Q	0.4	0.471	88	Q	2	90-110	20



Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : L2557076-03
 Matrix Spike : WG2118200-3
 Matrix Spike Dup :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/23/25 02:39
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Bromide	0.060	0.4	0.384	80 Q					90-110	20



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2556676
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/22/25 20:24
Dup Sample ID	: WG2118200-4	DUP Analysis Date	: 09/23/25 02:51

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Bromide	0.060	0.068	12	20



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2118199-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/22/25 16:59
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Bromide	0.800	0.774	97.					90-110	20



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2118200-2
 Dup Sample ID :

Lab Number : L2556676
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/22/25 17:23
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Bromide	0.800	0.758	95.					90-110	20



Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Anions by Ion Chromatography

Aqueous samples:

The Dionex calculates the area of the peaks produced by the instrument, compares them to the peak area of the calibration standard stored in its memory, and calculates result in mg/L.

If the sample was manually diluted prior to analysis, the calculated mean must be manually multiplied by the dilution factor. The Reported Detection Limit is also multiplied by the same dilution factor.

$$\text{Result, mg/L} = \frac{\text{area} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

Wet Chemistry

Total Nitrogen Analysis

Results

Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-02
Client ID : FIELD BLANK
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 107,-
Lab File ID : WG2119774.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 11:40
Date Received : 09/10/25
Date Analyzed : 09/25/25 16:23
Dilution Factor : 1
Analyst : JRO
Instrument ID :
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	ND	0.30	0.30	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-03
 Client ID : 5A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2119774.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 16:23
 Dilution Factor : 1
 Analyst : JRO
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	1.9	0.30	0.30	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-04
 Client ID : 5B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2119774.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 16:23
 Dilution Factor : 1
 Analyst : JRO
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	3.6	0.30	0.30	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-05
 Client ID : 6A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2119774.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:00
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 16:23
 Dilution Factor : 1
 Analyst : JRO
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	ND	0.30	0.30	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2119774.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 16:23
 Dilution Factor : 1
 Analyst : JRO
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	0.95	0.30	0.30	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-07
Client ID : 7A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 107,-
Lab File ID : WG2119774.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 09:40
Date Received : 09/10/25
Date Analyzed : 09/25/25 16:23
Dilution Factor : 1
Analyst : JRO
Instrument ID :
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	1.1	0.30	0.30	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2119774.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 16:23
 Dilution Factor : 1
 Analyst : JRO
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	0.62	0.30	0.30	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-09
 Client ID : 10A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 107,-
 Lab File ID : WG2119774.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:05
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 16:23
 Dilution Factor : 1
 Analyst : JRO
 Instrument ID :
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	2.6	0.30	0.30	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-10
Client ID : 10B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 107,-
Lab File ID : WG2119774.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 10:55
Date Received : 09/10/25
Date Analyzed : 09/25/25 16:23
Dilution Factor : 1
Analyst : JRO
Instrument ID :
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	2.1	0.30	0.30	



Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
TOTAL NITROGEN

Last Change 3/5/13 GFF
File tnitrogen.xlt

Sample #: _____

Client: _____

Analysis: **Total Nitrogen**

Method: *Calculation from TKN & NO3/NO2*

Product: TNITROGEN
Analyte: Total Nitrogen,
Analysis Date: 9/25/2025 16:23
Technician: JRO
Work group: WG2119774
RL: 0.3 mg/L

	Sample Number	TKN (mg/L)	NO3/NO2 (mg/L)	RL Multiplier	Result (mg/L)
SAMP	L2557076-02	0.123	0	1.0	0.123
SAMP	L2557076-03	1.69	0.2	1.0	1.89
SAMP	L2557076-04	0.135	3.6	1.0	3.6
SAMP	L2557076-05	0.217	0.28	1.0	0.28
SAMP	L2557076-06	0.124	0.95	1.0	0.95
SAMP	L2557076-07	0.331	0.74	1.0	1.071
SAMP	L2557076-08	0.322	0.3	1.0	0.622
SAMP	L2557076-09	0.791	1.8	1.0	2.591
SAMP	L2557076-10	0.0936	2.1	1.0	2.1
SAMP	L2557281-01	0.833	0.11	1.0	0.943
SAMP	L2557281-02	1.03	0	1.0	1.03
SAMP	L2557281-03	0.824	0	1.0	0.824
SAMP	L2557281-04	0.313	0.047	1.0	0.313
SAMP	L2557281-05	1.83	0.11	1.0	1.94
SAMP	L2557281-06	0.478	0	1.0	0.478
SAMP	L2558027-01	0.776	0.051	1.0	0.776
SAMP	L2558027-02	0.793	0.081	1.0	0.793
SAMP	L2558196-04	2.58	18	5.0	20.58

Calculations of Total Nitrogen

Calculate the concentration value based on results for TKN-N and NO₃/NO₂-N.

Aqueous samples:

$$\text{mgTN-N/L} = \text{TKN-N(mg/l)} + \text{NO}_3/\text{NO}_2\text{-N (mg/l)}$$

Soil samples:

$$\text{mgTN-N/Kg} = \text{TKN-N(mg/Kg)} + \text{NO}_3/\text{NO}_2\text{-N(mg/Kg)}$$

Total Kjeldahl Nitrogen Analysis

Results

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-02
 Client ID : FIELD BLANK
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NH3-H
 Lab File ID : NH320250925-A
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:40
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 10:48
 Dilution Factor : 1
 Analyst : KEM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 09/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.123	0.300	0.066	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-03
 Client ID : 5A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NH3-H
 Lab File ID : NH320250924-A
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 11:53
 Dilution Factor : 1
 Analyst : KEM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 09/23/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	1.69	0.300	0.066	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-04
 Client ID : 5B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NH3-H
 Lab File ID : NH320250924-A
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 11:54
 Dilution Factor : 1
 Analyst : KEM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 09/23/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.135	0.300	0.066	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-05
Client ID : 6A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NH3-H
Lab File ID : NH320250924-A
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 08:00
Date Received : 09/10/25
Date Analyzed : 09/24/25 11:55
Dilution Factor : 1
Analyst : KEM
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/23/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.217	0.300	0.066	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-06
Client ID : 6B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NH3-H
Lab File ID : NH320250924-A
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 08:25
Date Received : 09/10/25
Date Analyzed : 09/24/25 11:56
Dilution Factor : 1
Analyst : KEM
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/23/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.124	0.300	0.066	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-07
 Client ID : 7A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NH3-H
 Lab File ID : NH320250924-A
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:40
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 12:00
 Dilution Factor : 1
 Analyst : KEM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 09/23/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.331	0.300	0.066	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NH3-H
 Lab File ID : NH320250924-A
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 12:01
 Dilution Factor : 1
 Analyst : KEM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 09/23/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.322	0.300	0.066	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-09
 Client ID : 10A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NH3-H
 Lab File ID : NH320250924-A
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:05
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 12:02
 Dilution Factor : 1
 Analyst : KEM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 09/23/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.791	0.300	0.066	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-10
 Client ID : 10B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NH3-H
 Lab File ID : NH320250924-A
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 10:55
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 12:03
 Dilution Factor : 1
 Analyst : KEM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 09/23/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.093	0.300	0.066	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2118587-1
 Client ID : WG2118587-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,4500NH3-H
 Lab File ID : NH320250924-A
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/24/25 11:50
 Dilution Factor : 1
 Analyst : KEM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 09/23/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.087	0.300	0.022	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2118587-3
 Client ID : WG2118587-3 DUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,4500NH3-H
 Lab File ID : NH320250924-A
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/15/25 08:15
 Date Received : 09/15/25
 Date Analyzed : 09/24/25 12:07
 Dilution Factor : 1
 Analyst : KEM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested : 09/23/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	1.47	0.300	0.066	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2119160-1
Client ID : WG2119160-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NH3-H
Lab File ID : NH320250925-A
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/25/25 10:44
Dilution Factor : 1
Analyst : KEM
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.022	U



Sample Raw Data

Original Run Filename: OM_9-24-2025_11-34-50AM.OMN Created: 9/24/2025 11:34:50 AM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-24-2025_11-34-50AM.OMN Last Modified: 9/24/2025 12:21:27 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight	TRAY A
			LOW NH3 (mg N/L)				
STD 1	1	S1	10.000				
STD 2	1	S2	8.0000				
STD 3	1	S3	4.0000				
STD 4	1	S4	2.0000				
STD 5	1	S5	1.0000				
STD 6	1	S6	0.40000				
STD 7	1	S7	0.20000				
STD 8	1	S8	0.10000				
STD 9	1	S9	0.050000				
STD 10	1	S10	0.0000				
CCV L 0.4000	1	S6	0.37658				94%
Known Conc:			0.40000				
Calibration:			Table/Fig. : 1				
CCV H 4.0000	1	S3	4.0085				100%
Known Conc:			4.0000				
CCB	1	S10	0.021515				
Known Conc:			0.0000				
HI ICV 8.0	1	1	8.0585				101%
LO ICV 1.0	1	2	0.97990				98%
ICB	1	3	0.018215				
WG2118587-1 T	1	4	0.028911				
WG2118587-2 T	1	5	37.945		15.00		95%
LCS LO T	1	6	4.5329		3.00		113%
L2557076-03 T	1	8	1.6899		3.00		
L2557076-04 T	1	9	0.13539		3.00		
L2557076-05 T	1	10	0.21675		3.00		
L2557076-06 T	1	11	0.12457		3.00		
CCV L 0.4000	1	S6	0.37762				94%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	3.9845				100%
Known Conc:			4.0000				
CCB	1	S10	0.019837				
Known Conc:			0.0000				
X L2557076-02 T	1	7	1.6278		3.00		+FB, RERUN
L2557076-07 T	1	12	0.33066		3.00		
L2557076-08 T	1	13	0.32182		3.00		
L2557076-09 T	1	14	0.79130		3.00		
L2557076-10 T	1	15	0.093565		3.00		
L2557647-02 T	1	16	12.081		3.00		
L2557913-02 T	1	17	1.6930		3.00		
WG2118587-4 T	1	18	9.6416		3.00		99%
WG2118587-3 T	1	19	1.4733		3.00		RPD=14%
L2557955-01 T	1	20	0.48475		3.00		
CCV L 0.4000	1	S6	0.39430				99%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	3.9940				100%
Known Conc:			4.0000				
CCB	1	S10	0.029143				
Known Conc:			0.0000				
L2557076-02 T	1	7	1.6301		3.00		+FB
L2558612-01 T	1	21	1.2841		15.00		
L2559617-01 T	1	22	1.7236		3.00		
L2559617-02 T	1	23	2.3166		3.00		
CCV L 0.4000	1	S6	0.38144				95%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	3.9907				100%
Known Conc:			4.0000				
CCB	1	S10	0.024979				
Known Conc:			0.0000				

Channel 1 (Ammonia Low) - Current View

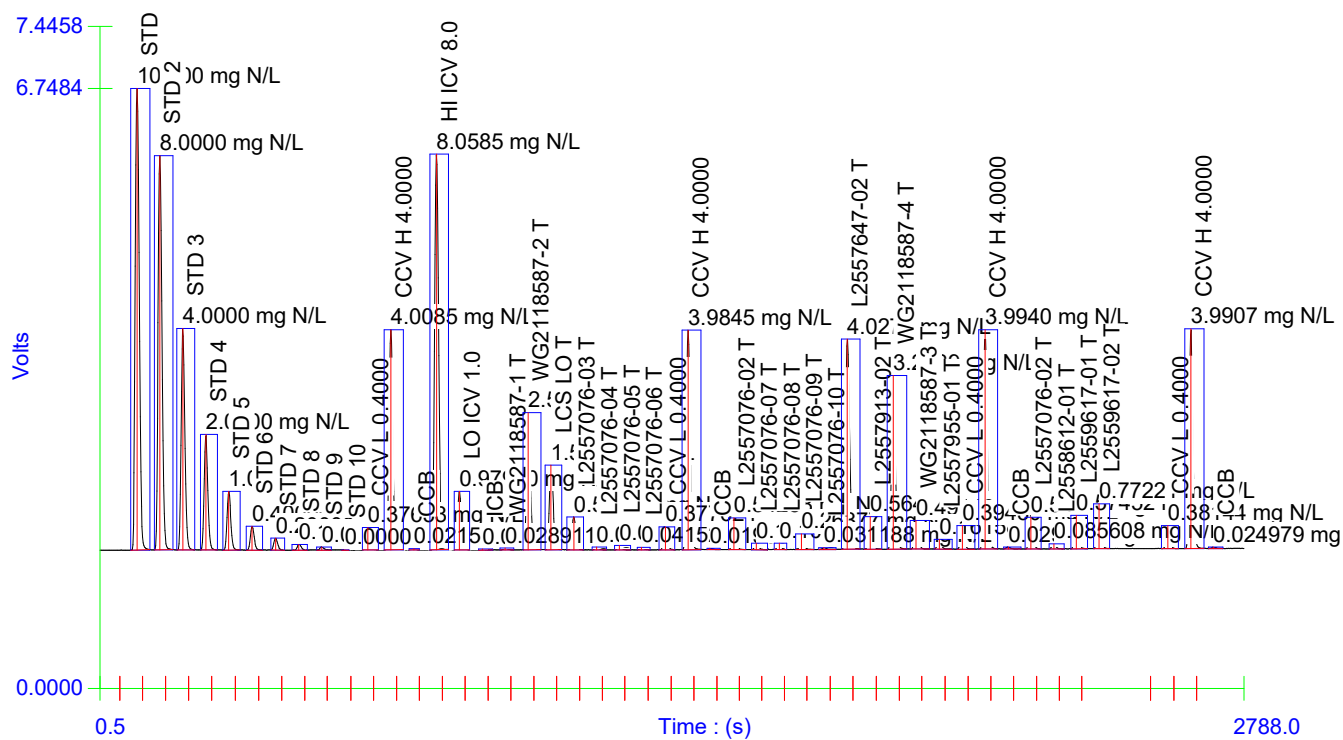
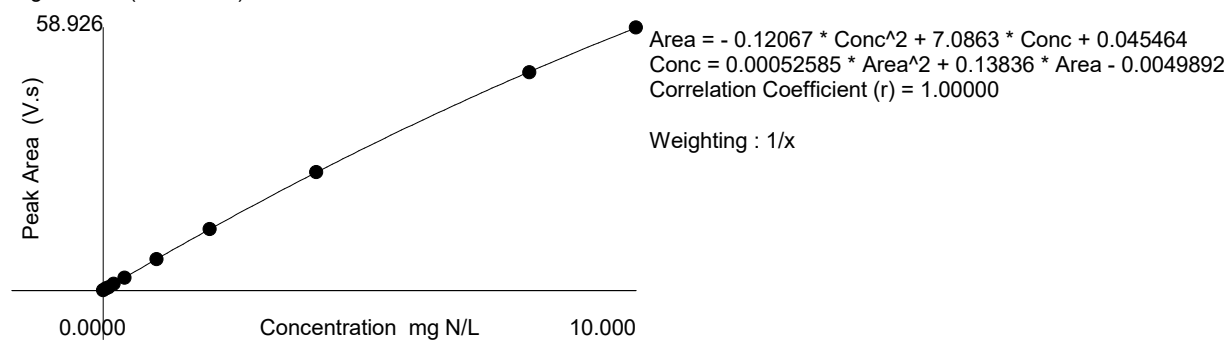


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.0000	1	58.926	5.1932	0.0	-0.1	9.9738	9/24/2025	11:35:41 AM
2	8.0000	1	48.873	4.4331	0.0	0.3	8.0130	9/24/2025	11:36:37 AM
3	4.0000	1	26.532	2.4901	0.0	-0.3	4.0361	9/24/2025	11:37:33 AM
4	2.0000	1	13.737	1.2990	0.0	0.0	1.9949	9/24/2025	11:38:29 AM
5	1.0000	1	6.9972	0.65933	0.0	0.2	0.98887	9/24/2025	11:39:25 AM
6	0.40000	1	2.8628	0.26692	0.0	-0.1	0.39541	9/24/2025	11:40:22 AM
7	0.20000	1	1.4694	0.13580	0.0	-0.8	0.19945	9/24/2025	11:41:19 AM
8	0.10000	1	0.71768	0.063936	0.0	4.7	0.094579	9/24/2025	11:42:17 AM
9	0.050000	1	0.41711	0.035806	0.0	-4.4	0.052813	9/24/2025	11:43:12 AM
10	0.0000	1	0.042488	0.0040897			0.0008903 4	9/24/2025	11:44:08 AM

Figure : 1 (LOW NH3)



Original Run Filename: OM_9-25-2025_10-28-47AM.OMN Created: 9/25/2025 10:28:47 AM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-25-2025_10-28-47AM.OMN Last Modified: 9/25/2025 11:18:17 AM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight	TRAY A
			LOW NH3 (mg N/L)				
STD 1	1	S1	10.000				
STD 2	1	S2	8.0000				
STD 3	1	S3	4.0000				
STD 4	1	S4	2.0000				
STD 5	1	S5	1.0000				
STD 6	1	S6	0.40000				
STD 7	1	S7	0.20000				
STD 8	1	S8	0.10000				
STD 9	1	S9	0.050000				
STD 10	1	S10	0.0000				
CCV L 0.4000	1	S6	0.37594				94%
Known Conc:			0.40000				
Calibration:			Table/Fig. : 1				
CCV H 4.0000	1	S3	4.0140				100%
Known Conc:			4.0000				
CCB	1	S10	0.020084				
Known Conc:			0.0000				
HI ICV 8.0	1	1	8.2759				103%
LO ICV 1.0	1	2	0.97544				98%
ICB	1	3	0.0089282				
WG2119160-1 T	1	4	0.0069209				
WG2119160-2 T	1	5	36.586		15.00		91%
LCS LO T	1	6	3.9002		3.00		98%
WG2119160-5 T	1	7	0.28219		3.00		
L2557076-02 T	1	8	0.12292		3.00		
L2557281-04 T	1	9	0.31306		3.00		
L2557281-06 T	1	10	0.47789		3.00		
CCV L 0.4000	1	S6	0.37600				94%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	3.9850				100%
Known Conc:			4.0000				
CCB	1	S10	0.018915				
Known Conc:			0.0000				
L2558027-01 T	1	11	0.77613		3.00		
L2558027-02 T	1	12	0.79302		3.00		
L2558158-01 T	1	13	29.548		15.00		
L2558158-02 T	1	14	1.1111		3.00		
L2558189-01 T	1	15	63.619		15.00		
L2558189-02 T	1	16	37.162		3.00		
L2558421-01 T	1	17	2.1641		3.00		
L2558422-01 T	1	18	5.1621		3.00		RERUN
WG2119160-4 T	1	19	8.6174		3.00		
WG2119160-3 T	1	20	0.54747		3.00		RERUN
CCV L 0.4000	1	S6	0.39455				99%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0417				101%
Known Conc:			4.0000				
CCB	1	S10	0.022772				
Known Conc:			0.0000				
L2558422-02 T	1	21	1.5907		3.00		
L2558422-03 T	1	22	0.36276		3.00		
L2558422-04 T	1	23	0.56939		3.00		
L2558189-02 T; 10X	1	16	34.439		30.00		
L2558421-01 T	1	17	1.0627		3.00		
L2558422-01 T	1	18	5.0229		3.00		
WG2119160-3 T	1	20	0.35544		3.00		
CCV L 0.4000	1	S6	0.37693				94%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0137				100%

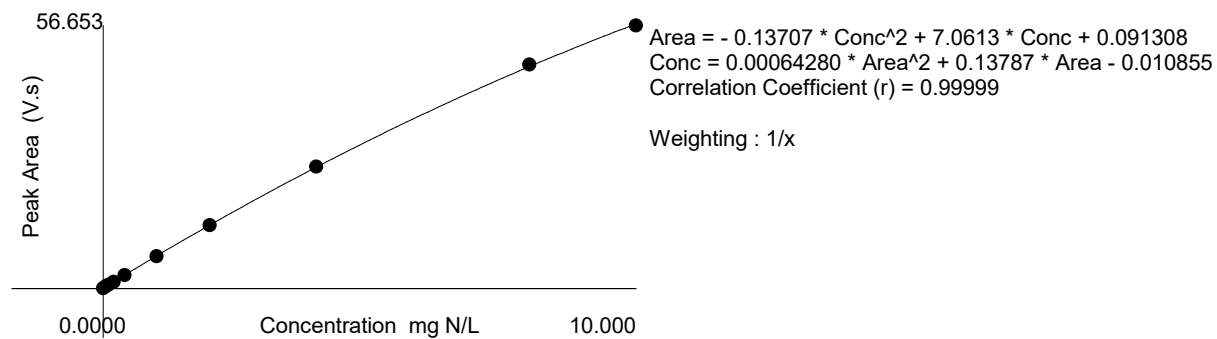
Known Conc:			4.0000			
CCB	1	S10	0.020015			
Known Conc:			0.0000			

The chromatogram displays a series of peaks corresponding to different samples. Key peaks include:

- STD 1**: 10 mg N/L
- STD 2**: 8.0000 mg N/L
- STD 3**: 4.0000 mg N/L
- STD 4**: 4.0000 mg N/L
- STD 5**: 4.0000 mg N/L
- STD 6**: 4.0000 mg N/L
- STD 7**: 4.0000 mg N/L
- STD 8**: 4.0000 mg N/L
- STD 9**: 4.0000 mg N/L
- STD 10**: 4.0000 mg N/L
- CCV L 0.4000**
- CCB**
- LO ICV 1.0 g**
- ICB**
- WG2119160-1 T**
- LCS LO T**
- WG2119160-2 T**
- WG2119160-5 T**
- L2557076-02 T**
- L2557281-04 T**
- L2557281-06 T**
- CCV L 0.4000**
- CCB**
- L2558027-01 T**
- L2558027-02 T**
- L2558158-01 T**
- L2558158-02 T**
- L2558189-01 T**
- L2558189-02**: 12.387 mg N/L
- L2558421-01 T**
- L2558422-01 T**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-04 T**
- L2558189-02 T; 10X**
- L2558421-01 T**
- L2558422-01 T**
- WG2119160-3 T**
- CCV L 0.4000**
- CCB**
- L2558422-02 T**
- L2558422-03 T**
- L2558422-**

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc. (mg N/L)	Detection Date	Detection Time
1	10.000	1	56.653	5.4013	0.0	0.6	9.8630	9/25/2025	10:29:44 AM
2	8.0000	1	48.210	4.5102	0.0	-0.8	8.1300	9/25/2025	10:30:40 AM
3	4.0000	1	26.255	2.5136	0.0	-0.4	4.0522	9/25/2025	10:31:36 AM
4	2.0000	1	13.608	1.3031	0.0	0.4	1.9843	9/25/2025	10:32:32 AM
5	1.0000	1	6.9576	0.66406	0.0	0.8	0.97953	9/25/2025	10:33:28 AM
6	0.40000	1	2.8500	0.26717	0.0	1.5	0.38730	9/25/2025	10:34:24 AM
7	0.20000	1	1.4272	0.13296	0.0	4.7	0.18722	9/25/2025	10:35:22 AM
8	0.10000	1	0.80426	0.075635	0.0	-1.0	0.10045	9/25/2025	10:36:19 AM
9	0.050000	1	0.49916	0.043720	0.0	-12.4	0.058125	9/25/2025	10:37:14 AM
10	0.0000	1	0.057469	0.0058061			-0.0029300	9/25/2025	10:38:10 AM

Figure : 1 (LOW NH3)



Quality Control

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : L2557913-02
 Matrix Spike : WG2118587-4
 Matrix Spike Dup :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/24/25 12:06
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Nitrogen, Total Kjeldahl	1.69	8	9.64	99					77-111	24



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/24/25 12:05
Dup Sample ID	: WG2118587-3	DUP Analysis Date	: 09/24/25 12:07

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Total Kjeldahl	1.69	1.47	14	24



Form 7 Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2118587-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/24/25 11:51
 LCSD Analysis Date:

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Total Kjeldahl	40.0	37.9	95.					78-122	24



Form 7 Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2119160-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/25/25 10:45
 LCSD Analysis Date:

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Total Kjeldahl	40.0	36.6	92.					78-122	24



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Nitrogen in TKN

Aqueous samples:

Compute sample TKN –N concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

If the sample has a concentration of less than 2ppm, calculate results by using the low curve generated on Channel 1.

If the sample concentration is greater than 2ppm, calculate the results by using the high curve generated on Channel 2.

To Compute the final results for aqueous samples, multiply the direct reading by the dilution factor based on the initial preparation volume. (also done using software)

$$\text{TKN-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

from Page No. _____

Tray A (11-3450 AM)
prep 9/23/25 @ 21:19

1	Hi Jev 8.0
2	Lo Jev 1.0
3	JCB
4	W62118587-17, Blk
5	-2T; LCS Hi, 5x
6	LCS 6 T
7	57076 02T; remn
8	03T
9	04T
10	05T
11	06T
12	07T
13	08T
14	09T
15	10T
16	57647 02T
17	57913 02T
18	02T MS
19	02T Dup
20	57955 01T
21	58612 01T (5x)
22	59617 01T
23	02T

Tray B (12-48-28 PM)
prep 9/23/25 @ 21:15

1	W62118582-17, Blk
2	-2T; LCS Hi, 5x
3	LCS 6 T
4	56567 01T (2x)
5	56673 01T
6	02T
7	56674 01T
8	02T
9	03T
10	04T (5x)
11	05T
12	56714 01T
13	56716 01T; 30x 1130
14	02T; 20x D. 5T 10
15	57957 05T
16	05T MS
17	05T Dup
18	57807 01T
19	02T
20	03T

Date:

9/24/25

Sodium Phenolate:

9/2/25 R-4398

Sodium Hypochlorate:

9/2/25 start shop

Sodium Nitroprusside:

9/2/25 R-4366

Boric Acid Soln.:

9/2/25 R-4266

ICV 1.0:

9/15/25 WL-3621

ICV 8.0:

9/2/25 WL-3624

Cal. Std:

9/2/25 WL-3624

See Front Page for Instructions:

KCM

To Page No. _____

Witnessed & Understood by me,

Date

Invented by:

Date

Recorded by:

Project No. _____

Book No. _____

TITLE NH₃ 9/25/25 KTM

Page No. _____

Troy A (10-28-47AM)
 prep 9/24/25 @ 21:55

1 Hi Fcv 8.0
 2 lo Fcv 1.0
 3 FCB
 4 WG2119160 -IT, Blk
 5 -2T, LCS Hi, SX
 6 LCS Lot
 7 LOQ T
 8 5707602T
 9 5728104T
 10 06T
 11 5802701T
 12 02T
 13 5815801T (5x)
 14 02T
 15 5818901T (5x)
 16 02T, 10x 110
 17 5842101T
 18 5842201T; reman
 19 01T MS
 20 01T Dyp; reman
 21 02T
 22 03T
 23 04T

Troy B (11-20-37AM, 11-52-58AM)
 prep 9/24/25 @ 21:42

1 WG2119157 -IT, Blk
 2 -2T, LCS Hi, SX
 3 LCS Lot
 4 5667303T
 5 04T
 6 04T MS
 7 04T Dyp
 8 05T
 9 06T
 10 07T
 11 08T
 12 09T
 13 10T
 14 11T
 15 12T (5x)
 16 13T
 17 14T
 18 15T
 19 58314 01T, 20x 0.5 110
 20 02T (5x)

Date:

9/25/25

Sodium Phenolate: 9/21/25 R-4398

Sodium Hypochlorate: 9/21/25 stop shop

Sodium Nitroprusside: 9/21/25 R-3969

Boric Acid Soln.: 9/21/25 R-4266

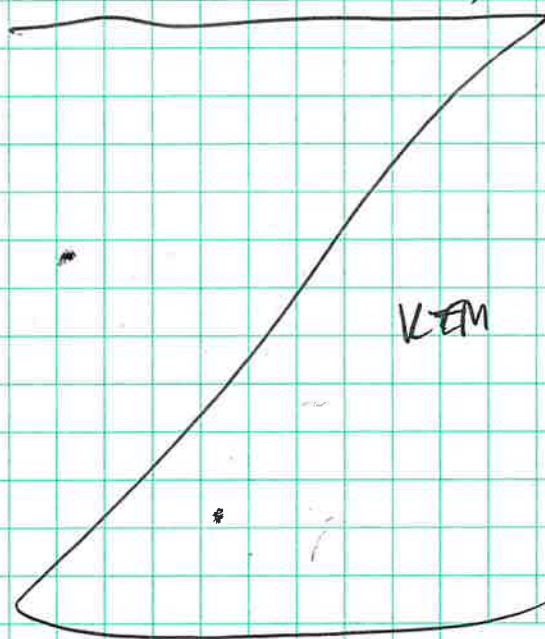
ICV 1.0: 9/15/25 WC-3621

ICV 8.0: 9/15/25 WC-3621

Cal. Std: 9/12/25 WC-3624

See Front Page for Instructions:

 KTM

 KTM

To Page No. _____

Inspected & Understood by me,

Date

Invented by:

Date

Recorded by:

Sample Preparation



Samples

Volume Dilution

Final vol

50ml

1x

150ml

Blank

Low

High

12557076 - 02

7281 - 04

- 06

8027 - 01

- 02

8158 - 01

- 02

8189 - 01

- 02

8421 - 01

8422 - 01 PA

- 01 DUP

- 01 MS

- 02

- 03

- 04

LOA

5x (20 to 50) matrix

1x

5x (10 to 50) matrix

1x

Same standards as
reagents as page # 88

09/24/25 @ 21:55 CEF

To Page No. _____

Processed & Understood by me,

Date

Invented by:

Date

Recorded by:

m Page No. _____

Samples

volume
50mldilution
1Xfinal vol
150ml

Blank

Low

High

12557076 - 02

- 03

- 04

- 05

- 06

- 07

- 08

- 09

- 10

7647 - 02

7913 - 02 PA

- 02 U4P

- 02 MS

7955 - 01

8612 - 01

9617 - 01

- 02

5X (10 ↑ 50) M=20

1X

Same standards as
reagents as page # 84

09/23/25 @ 21:19 REF

To Page No. _____

Inspected & Understood by me,

Date

Invented by:

Date

Recorded by:

Nitrate and Nitrite Analysis

Results

Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-02
Client ID : FIELD BLANK
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250917-C1
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 11:40
Date Received : 09/10/25
Date Analyzed : 09/17/25 06:06
Dilution Factor : 1
Analyst : KAF
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-03
 Client ID : 5A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250917-C1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 06:07
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	0.20	0.10	0.046	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-04
 Client ID : 5B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250917-C1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 06:09
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	3.6	0.10	0.046	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-05
Client ID : 6A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250917-C1
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 08:00
Date Received : 09/10/25
Date Analyzed : 09/17/25 06:14
Dilution Factor : 1
Analyst : KAF
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	0.28	0.10	0.046	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250917-C1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 06:15
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	0.95	0.10	0.046	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-07
 Client ID : 7A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250917-C1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:40
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 06:16
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	0.74	0.10	0.046	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250917-C1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 06:18
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	0.30	0.10	0.046	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-09
 Client ID : 10A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250917-C1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:05
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 06:19
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	1.8	0.10	0.046	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-10
 Client ID : 10B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250917-C1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 10:55
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 06:20
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	2.1	0.10	0.046	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115738-1
Client ID : WG2115738-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250917-A1
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/17/25 04:01
Dilution Factor : 1
Analyst : KAF
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115738-3
Client ID : WG2115738-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250917-A1
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/15/25 12:15
Date Received : 09/15/25
Date Analyzed : 09/17/25 05:03
Dilution Factor : 1
Analyst : KAF
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.05	U



Sample Raw Data

Original Run Filename: OM_9-17-2025_03-03-39AM.OMN Created: 9/17/2025 3:03:39 AM

Original Run Author's Signature: [A1wetcheminstrument]

Current Run Filename: OM_9-17-2025_03-03-39AM.OMN Last Modified: 9/17/2025 5:09:33 AM

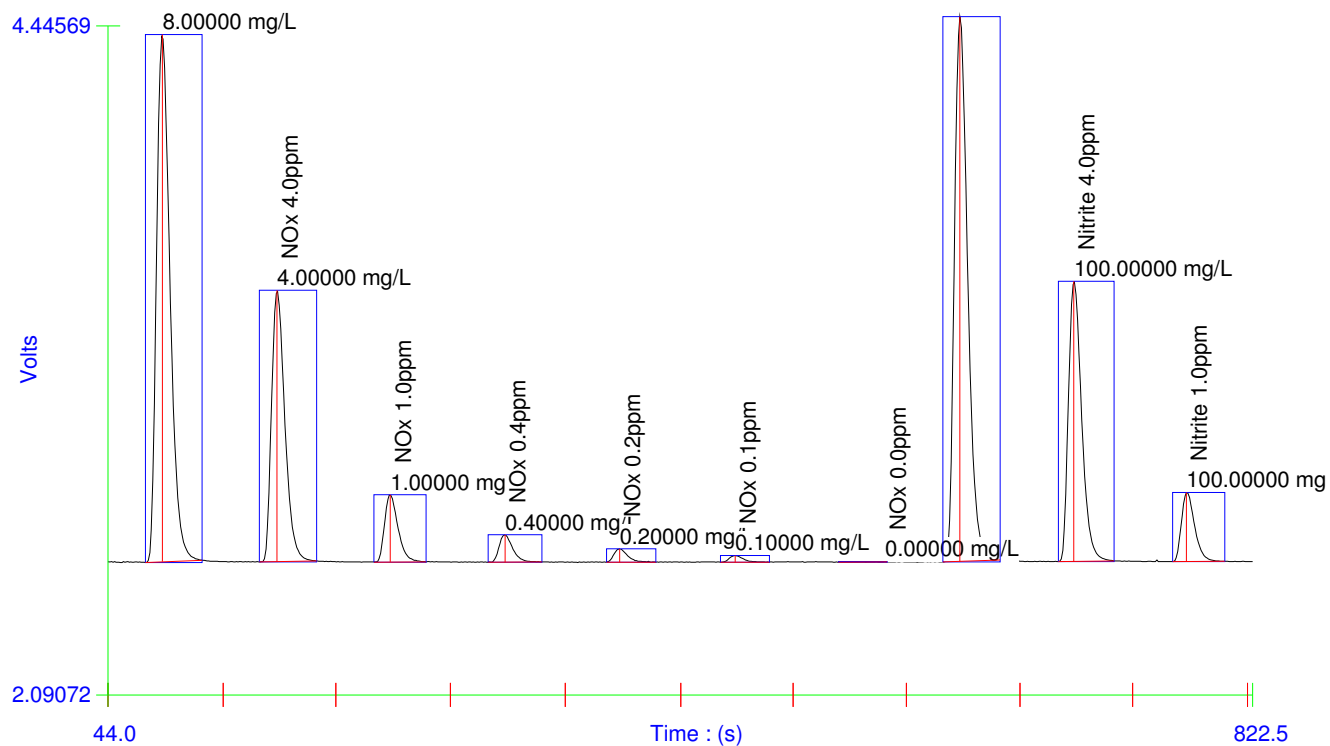
Current Run Author's Signature: [A1wetcheminstrument]

Description: Default New Run

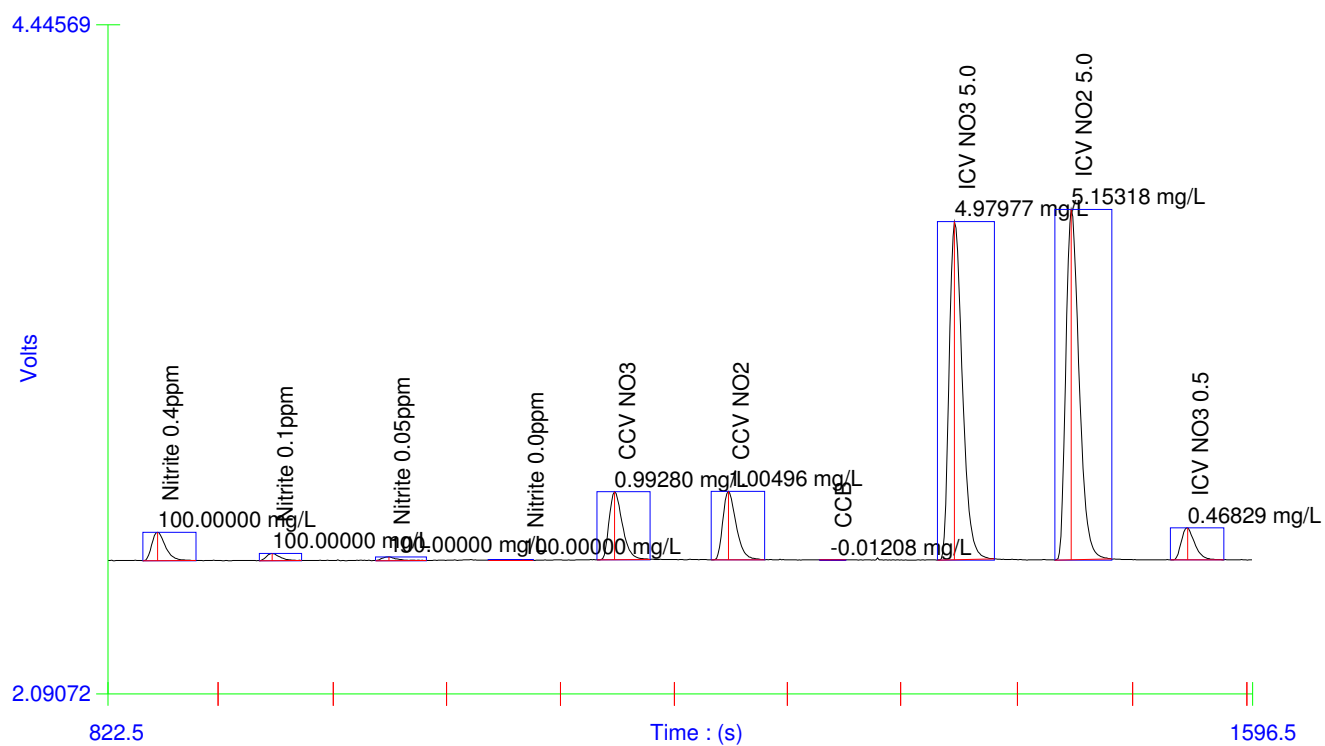
Sample	Rep.	Cup No.	Channel 1	Channel 2	ADF	MDF	Weight
			NO3+NO2 (mg/L)	Nitrite (mg N/L)			
NOx 8.0ppm	1	S3	8.00000	100.00000			
NOx 4.0ppm	1	S4	4.00000	100.00000			
NOx 1.0ppm	1	S2	1.00000	100.00000			
NOx 0.4ppm	1	S5	0.40000	100.00000			
NOx 0.2ppm	1	S6	0.20000	100.00000			
NOx 0.1ppm	1	S7	0.10000	100.00000			
NOx 0.0ppm	1	S1	0.00000	100.00000			
Nitrite 8.0ppm	1	S10	100.00000	8.00000			
Nitrite 4.0ppm	1	S11	100.00000	4.00000			
Nitrite 1.0ppm	1	S9	100.00000	1.00000			
Nitrite 0.4ppm	1	S12	100.00000	0.40000			
Nitrite 0.1ppm	1	S13	100.00000	0.10000			
Nitrite 0.05ppm	1	S14	100.00000	0.05000			
Nitrite 0.0ppm	1	S1	100.00000	0.00000			
CCV NO3	1	S2	0.99280	-0.00425			
Known Conc:			1.00000	0.00000			
Calibration:			Table/Fig. : 1	Table/Fig. : 2			
CCV NO2	1	S9	1.00496	1.01843			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01208	-0.00760			
Known Conc:			0.00000	0.00000			
ICV NO3 5.0	1	1	4.97977	-0.00707			
ICV NO2 5.0	1	2	5.15318	5.18639			
ICV NO3 0.5	1	3	0.46829	-0.00268			
ICV NO2 0.5	1	4	0.49932	0.52009			
ICB	1	5	-0.00578	-0.00369			
DILUTER CHCK 8 PPM	1	6	7.99981	-0.03317	5.00		
BLNK NO3	1	7	-0.01746	-0.00155			
LCS NO3	1	8	4.93229	-0.00158			
BLNK NO2	1	9	0.00174	-5.71570e-5			
LCS NO2	1	10	5.17659	5.27145			
CCV NO3	1	S2	1.00443	-0.00363			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.00461	1.03097			
Known Conc:			0.00000	1.00000			
CCB	1	S1	0.00149	-0.00070			
Known Conc:			0.00000	0.00000			
WG2115726-1	1	11	-0.00532	-0.01048			
WG2115726-2	1	12	5.14934	5.25085			
WG2115727-1	1	13	-0.01075	-0.00590			
WG2115727-2	1	14	5.15520	5.22596			
WG2115728-1	1	15	0.00432	-0.01211			
WG2115728-2	1	16	4.88030	-0.00295			
WG2115732-1	1	17	-0.00526	-0.00374			
WG2115732-2	1	18	4.91898	-0.00154			
WG2115736-1	1	19	-0.01132	-0.00179			
WG2115736-2	1	20	4.91582	-0.00482			
CCV NO3	1	S2	0.99095	-0.00119			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.00670	1.02292			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01186	-0.00750			
Known Conc:			0.00000	0.00000			
WG2115738-1	1	21	-0.01340	-0.00498			
WG2115738-2	1	22	4.91467	-0.00413			
L2558026-01N	1	23	0.99206	-0.00049			
WG2115728-5	1	24	0.98137	0.00042			
WG2115728-6	1	25	4.63979	-0.00061			
L2558026-02N	1	26	0.03501	-0.00051			

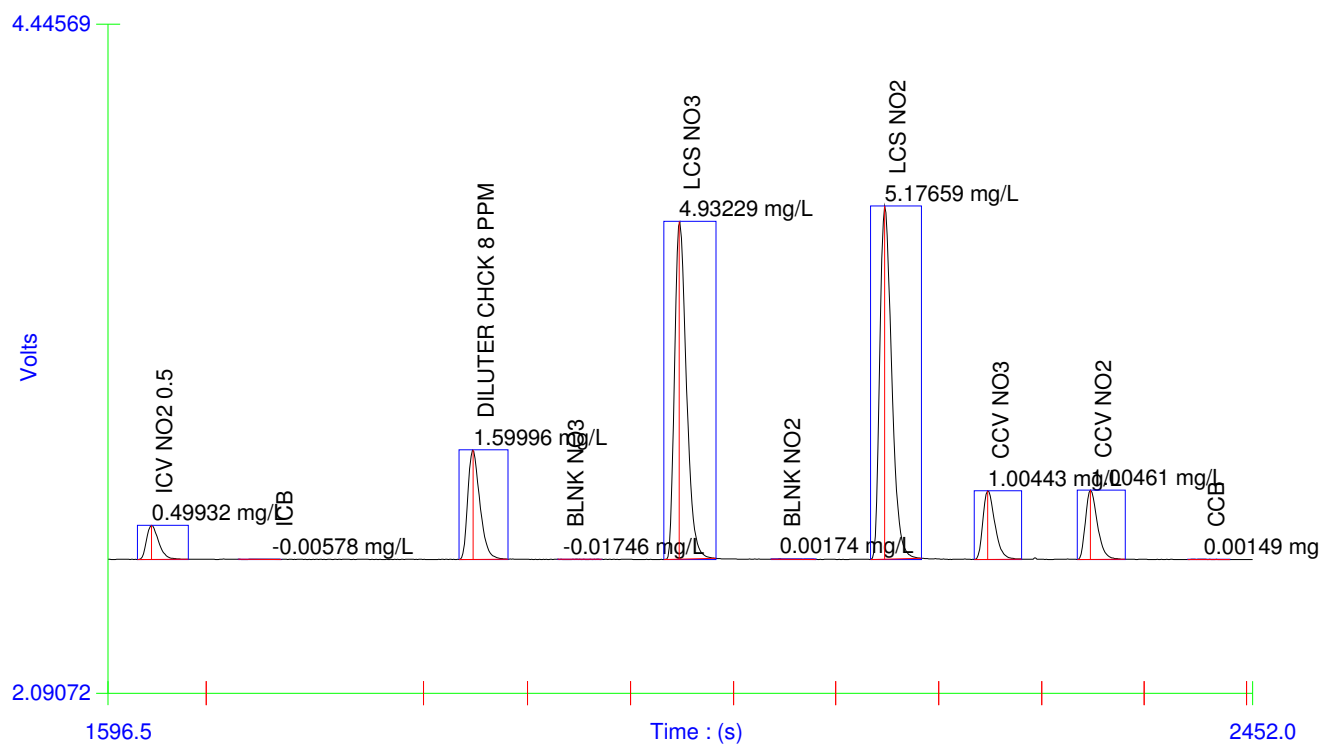
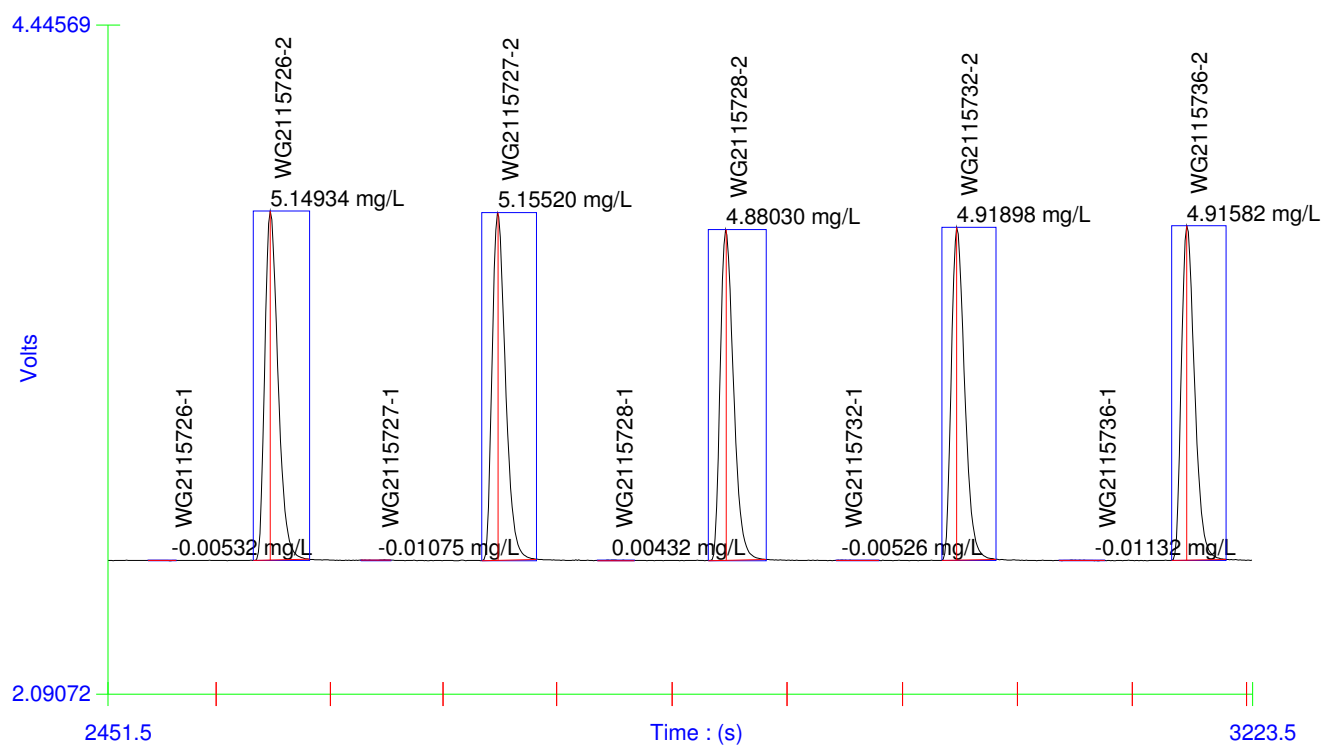
L2558026-03N	1	27	0.08115	0.00762			
L2558026-04N	1	28	0.03344	-0.00209			
L2558026-05N	1	29	0.08153	0.00018			
L2558026-06N	1	30	0.06751	0.01438			
CCV NO3	1	S2	0.99375	-0.00230			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.01893	1.03926			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.00935	-0.00169			
Known Conc:			0.00000	0.00000			
L2558154-01A	1	31	0.46263	0.09655			
WG2115728-3	1	32	0.44242	0.09394			
WG2115728-4	1	33	4.80905	0.09401			
WG2115726-3	1	34	0.44566	0.09509			
WG2115726-4	1	35	5.20030	4.94758			
L2558327-01B	1	36	22.44443	0.53316			
L2558328-01B	1	37	0.21765	0.05126			
L2558329-01B	1	38	31.15685	0.12578			
L2558332-02B	1	39	0.06130	0.00090			
L2558326-01C	1	40	1.72016	0.00763			
CCV NO3	1	S2	1.00211	-0.00404			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.01563	1.03802			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01123	-0.00315			
Known Conc:			0.00000	0.00000			
L2558327-01B	1	36	28.89344	0.52461	5.00		
L2558328-01B	1	37	0.20385	0.05001			
L2558329-01B	1	38	63.58780	0.10977	10.00		
L2558332-02B	1	39	0.02677	0.00096			
WG2115736-3	1	41	1.70802	0.00548			
WG2115736-4	1	42	5.48403	0.00680			
WG2115726-5	1	43	1.69120	0.00609			
WG2115726-6	1	44	5.74019	4.17338			
L2558326-02C	1	45	0.91439	-0.00843			
L2558326-03C	1	46	0.34364	0.00506			
CCV NO3	1	S2	0.99613	-0.00209			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.01481	1.04534			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01007	-0.00549			
Known Conc:			0.00000	0.00000			
L2558326-04C	1	47	0.82903	0.00407			
L2558326-05C	1	48	0.61609	-9.88821e-5			
L2558326-06C	1	49	0.82122	0.00581			
L2558326-07C	1	50	0.02417	0.00113			
L2558326-08C	1	51	0.91515	0.00107			
L2558326-09C	1	52	0.85517	0.00123			
L2558027-01A	1	53	0.05086	0.00296			
WG2115738-3	1	54	-0.02494	0.00017			
WG2115738-4	1	55	4.82082	0.00183			
L2558027-02A	1	56	0.08075	0.00870			
CCV NO3	1	S2	1.12115	-0.00364			
Known Conc:			1.00000	0.00000			

Channel 1 (NO₃+NO₂) - Set: 1 / 10

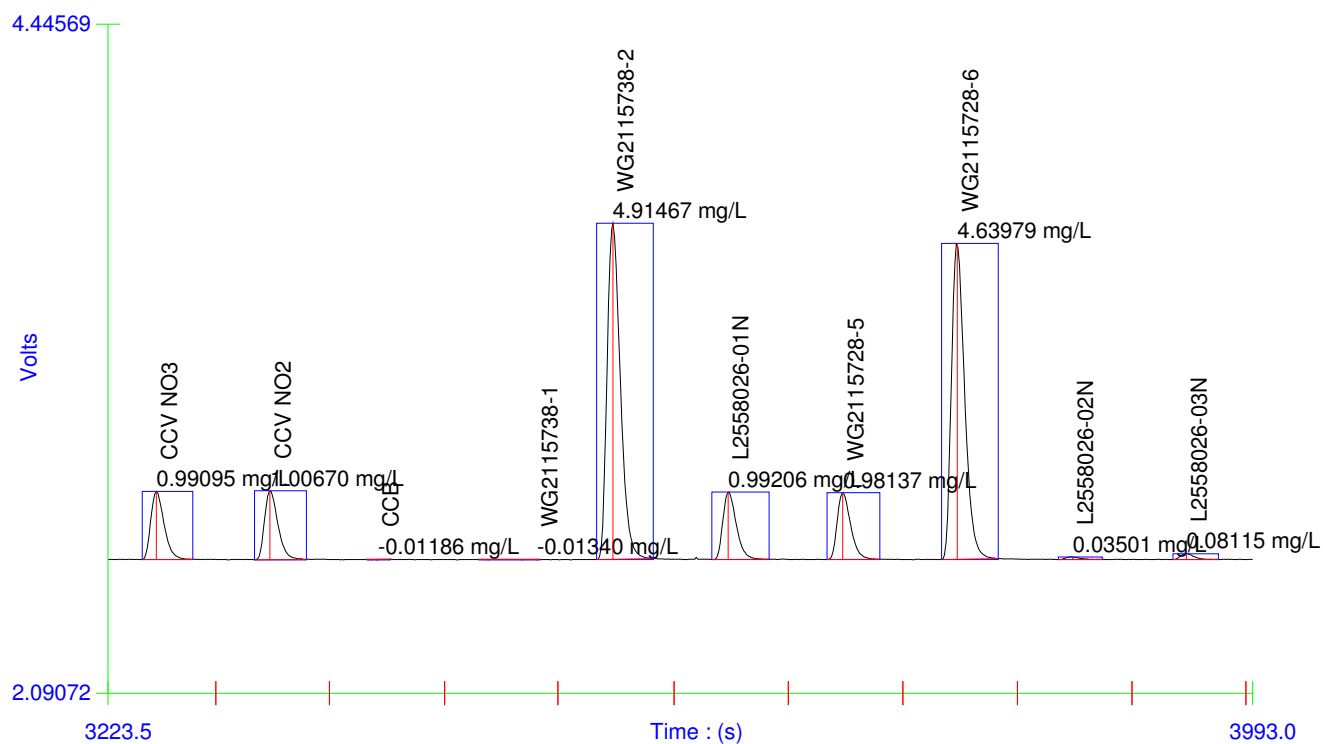


Channel 1 (NO₃+NO₂) - Set: 2 / 10

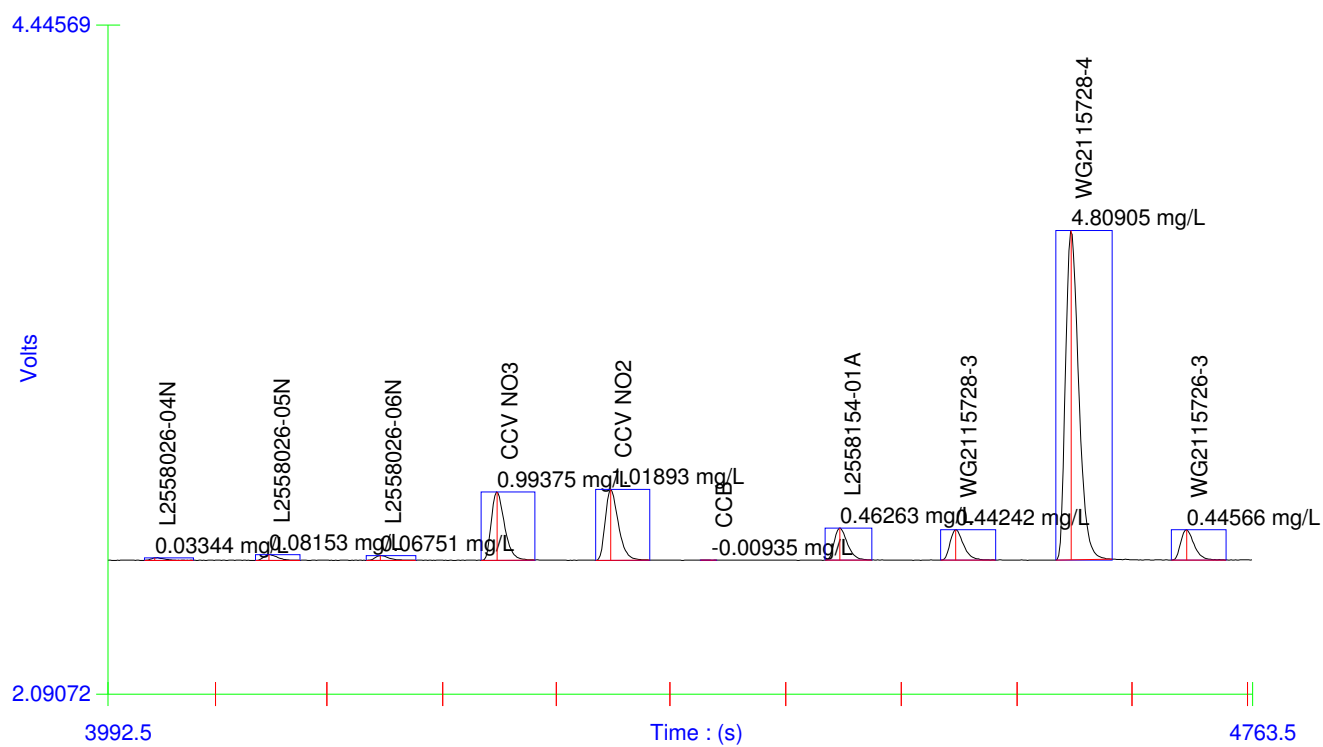


Channel 1 (NO₃+NO₂) - Set: 3 / 10Channel 1 (NO₃+NO₂) - Set: 4 / 10

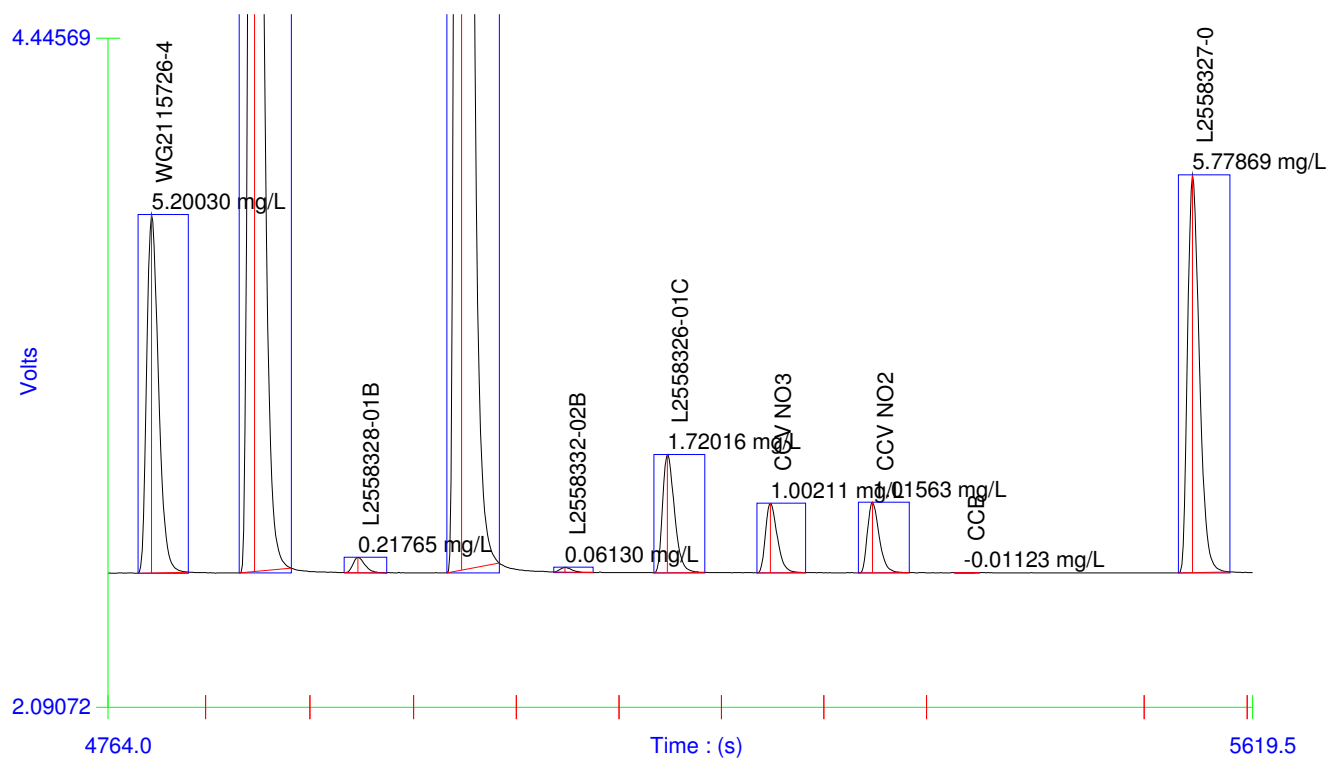
Channel 1 (NO3+NO2) - Set: 5 / 10



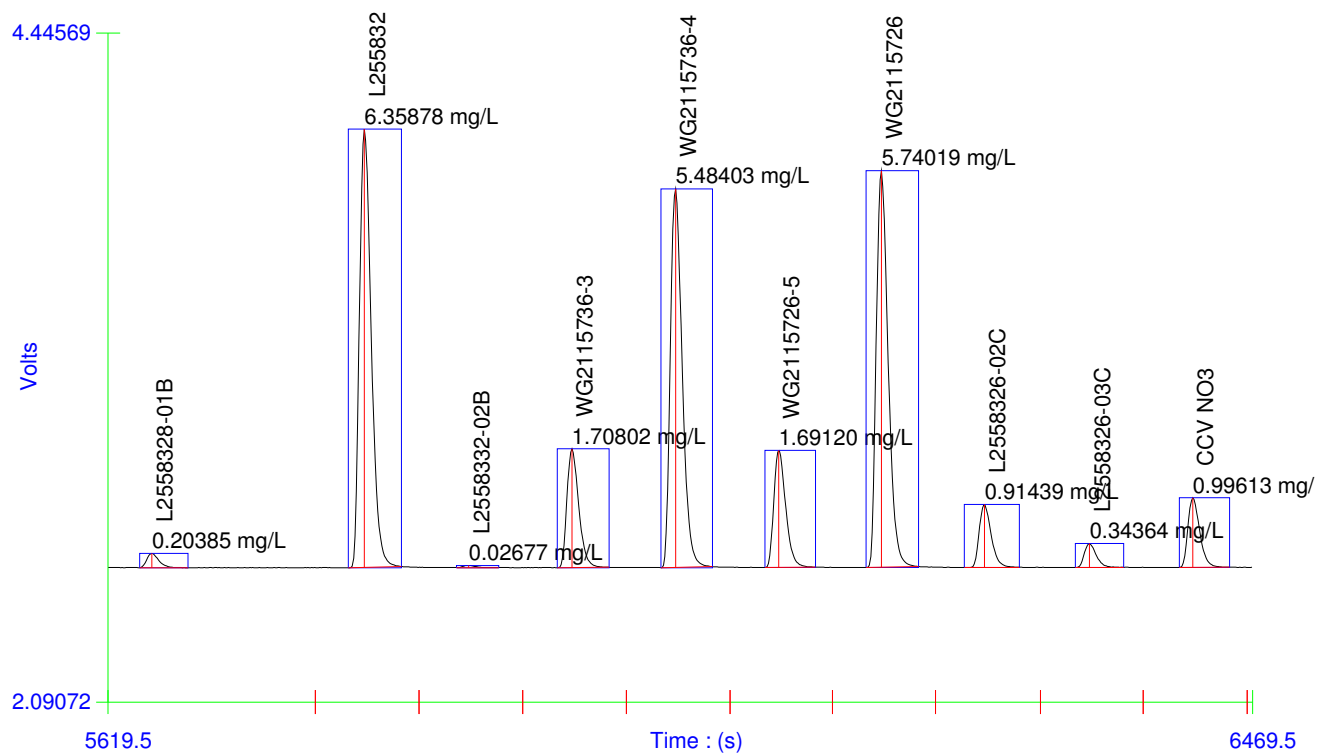
Channel 1 (NO3+NO2) - Set: 6 / 10



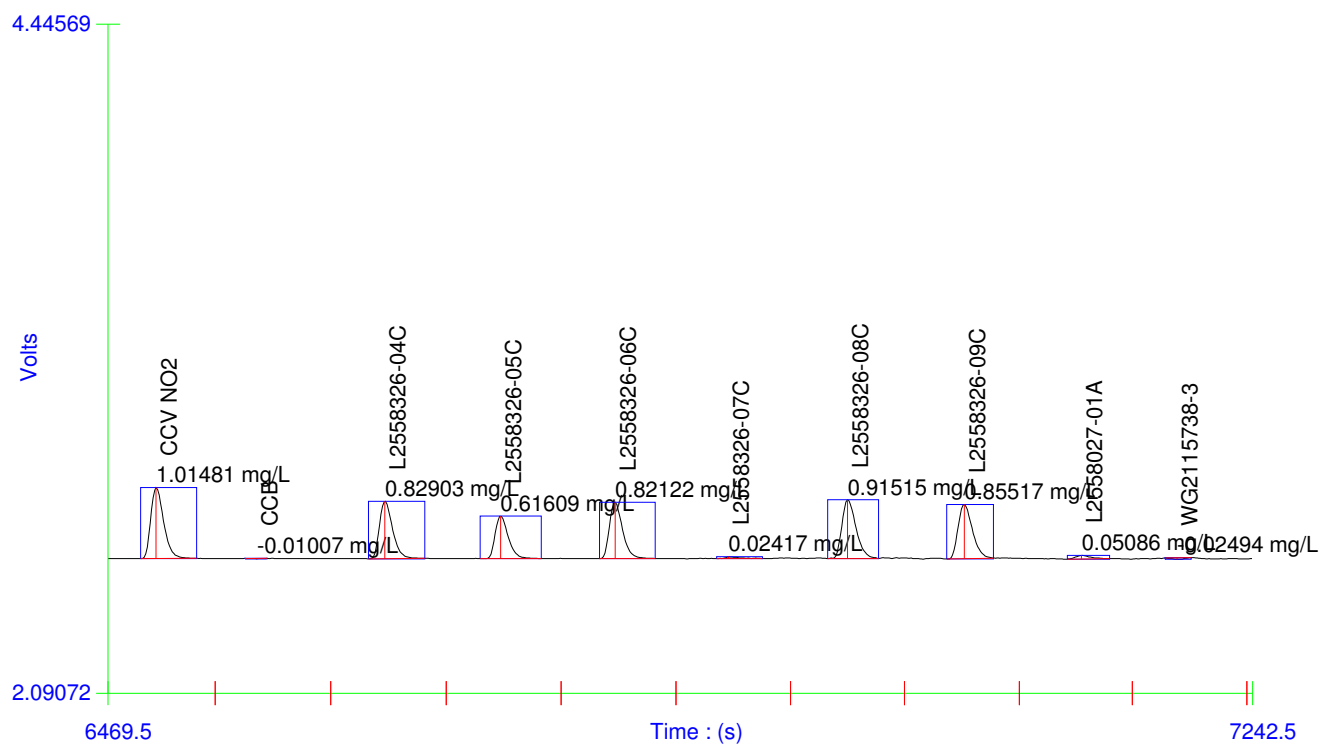
Channel 1 (NO3+NO2) - Set: 7 / 10



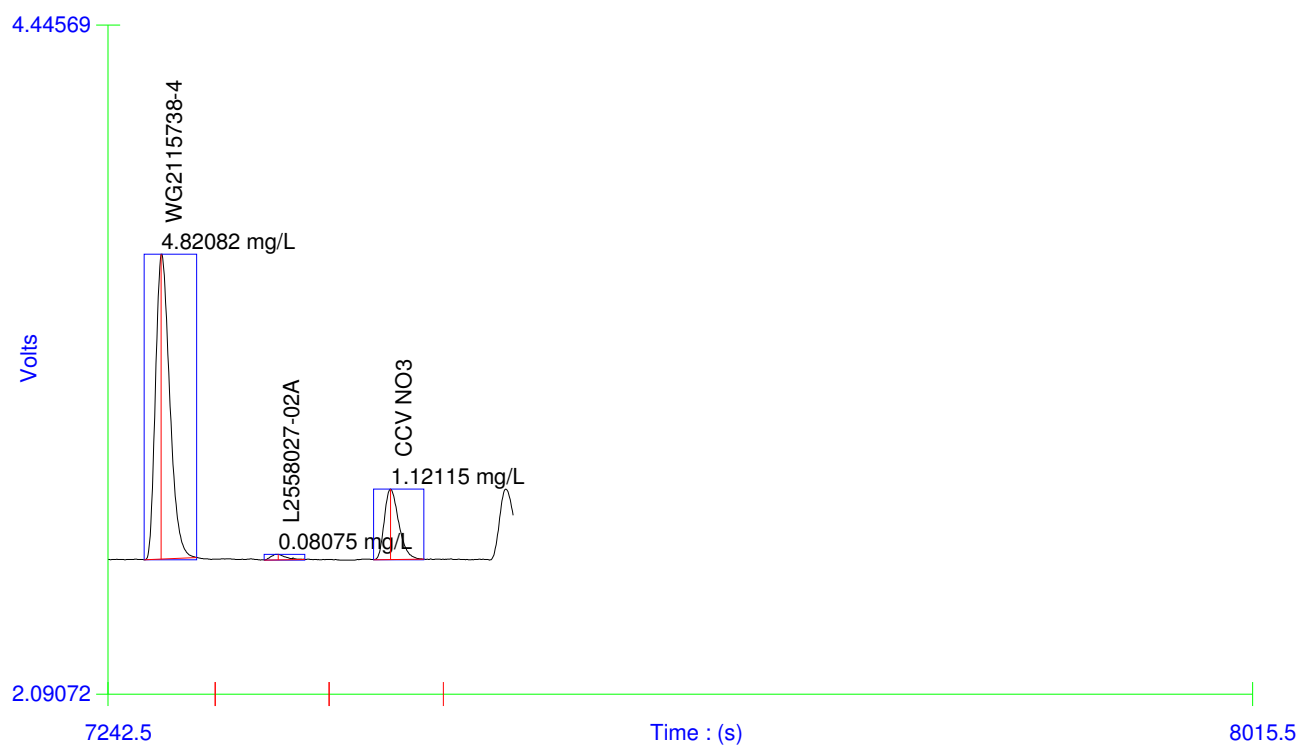
Channel 1 (NO3+NO2) - Set: 8 / 10



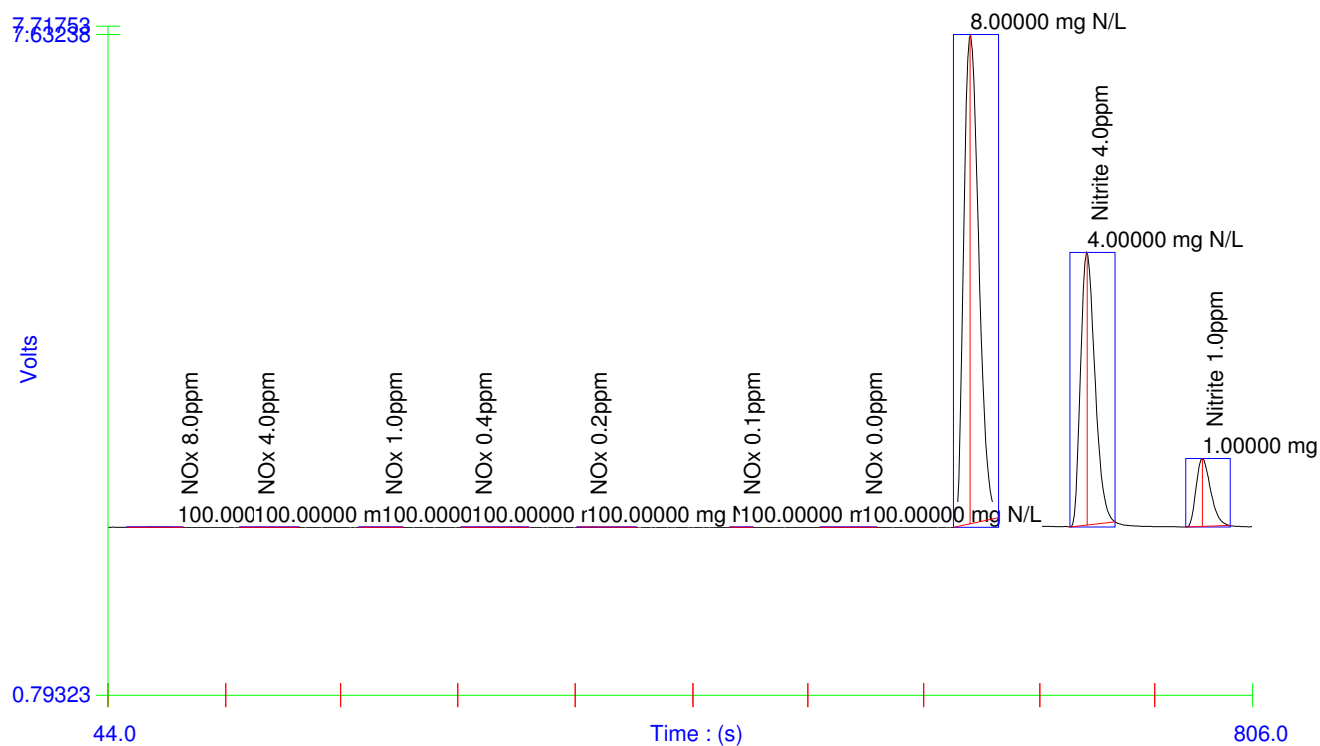
Channel 1 (NO3+NO2) - Set: 9 / 10



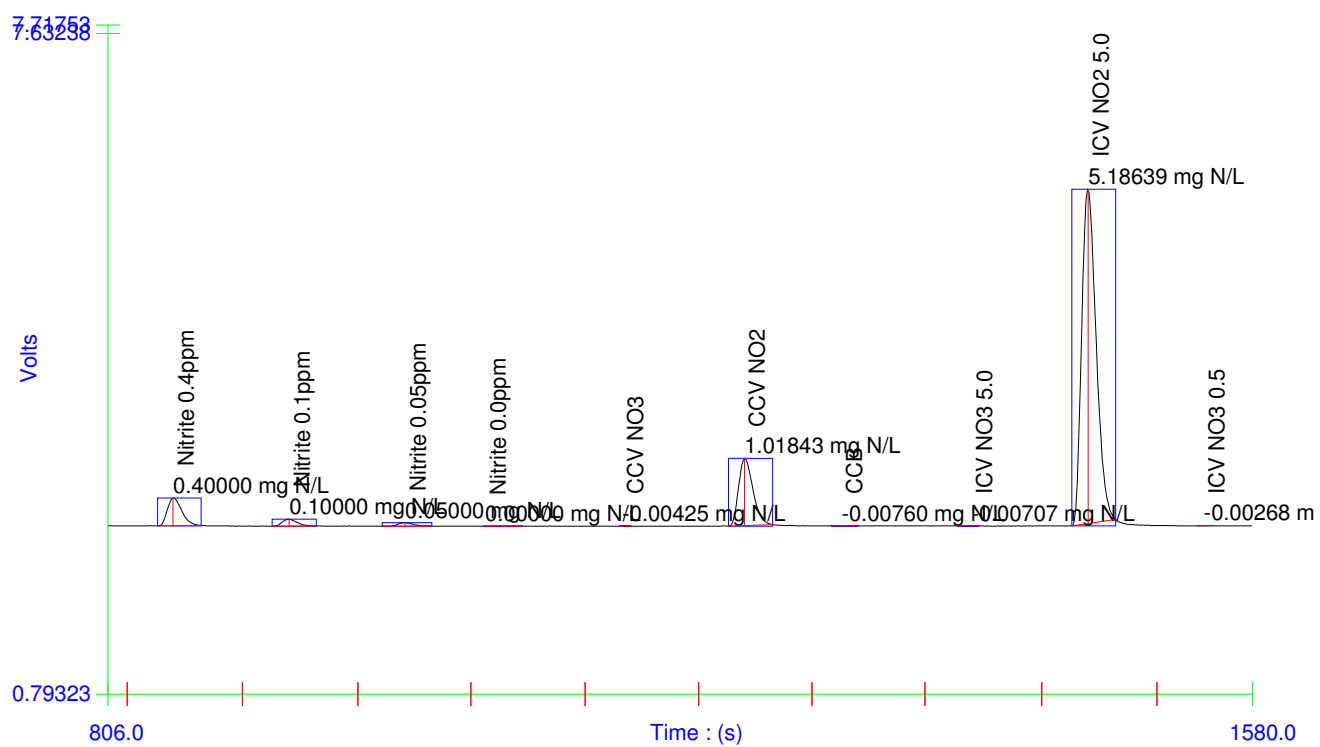
Channel 1 (NO3+NO2) - Set: 10 / 10



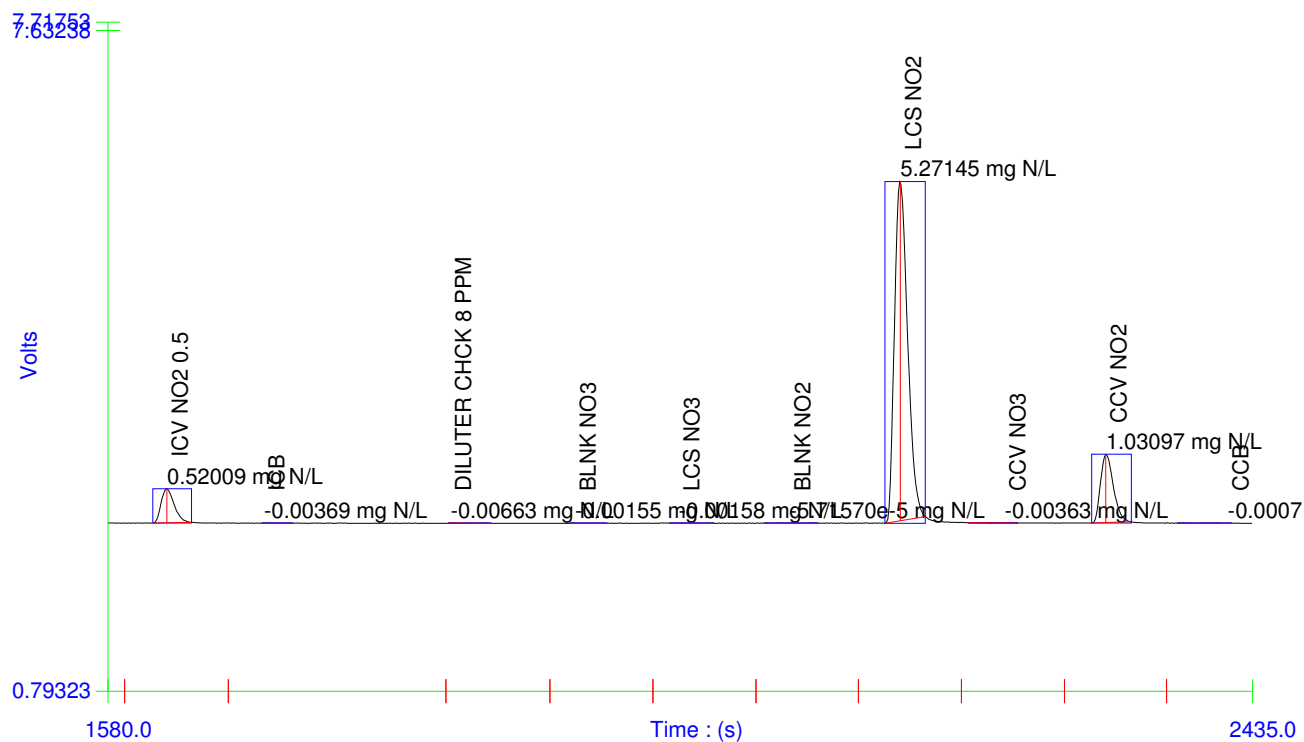
Channel 2 (NO2) - Set: 1 / 10



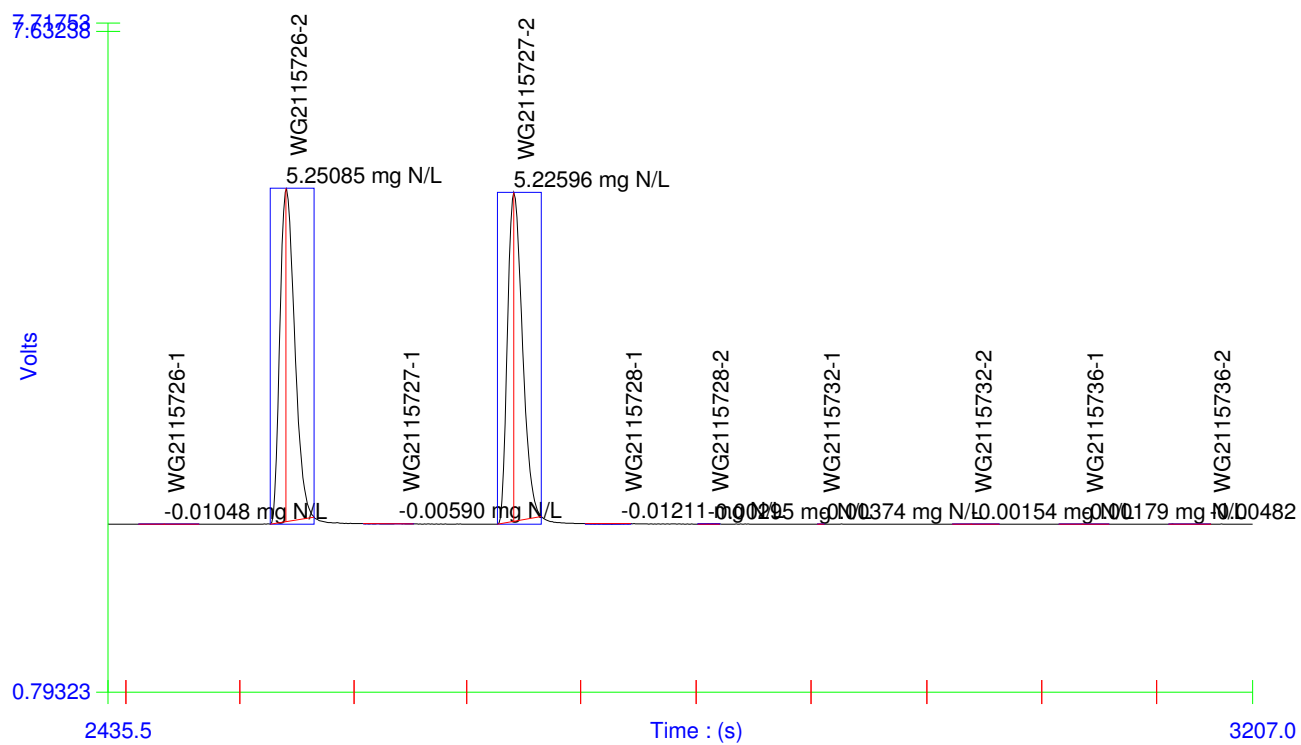
Channel 2 (NO2) - Set: 2 / 10



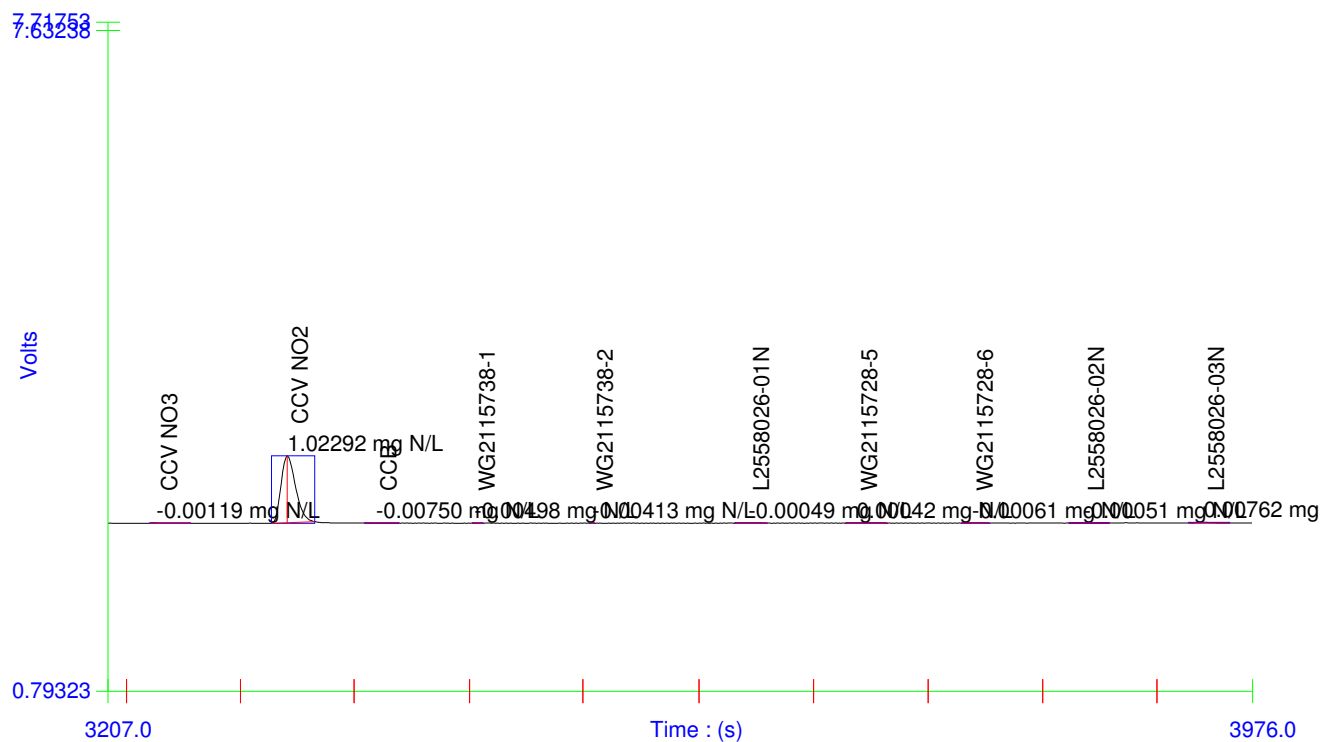
Channel 2 (NO2) - Set: 3 / 10



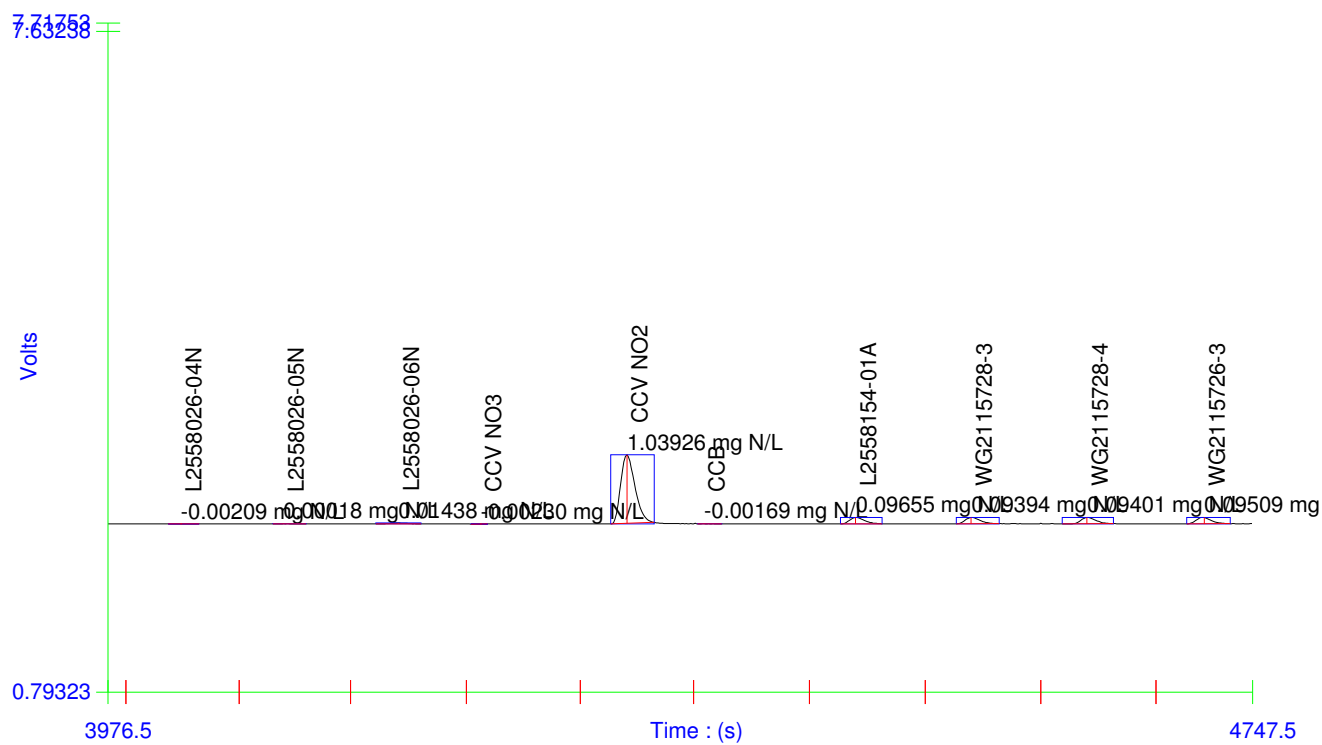
Channel 2 (NO2) - Set: 4 / 10



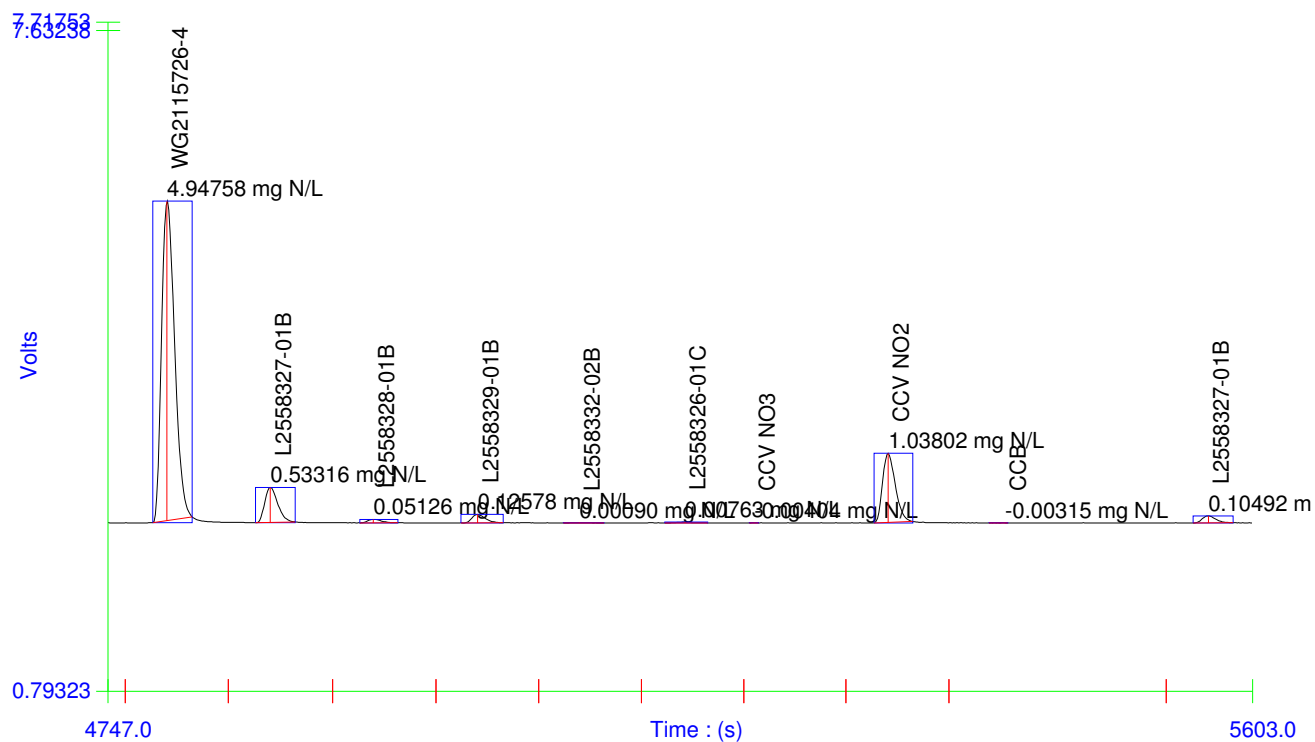
Channel 2 (NO2) - Set: 5 / 10



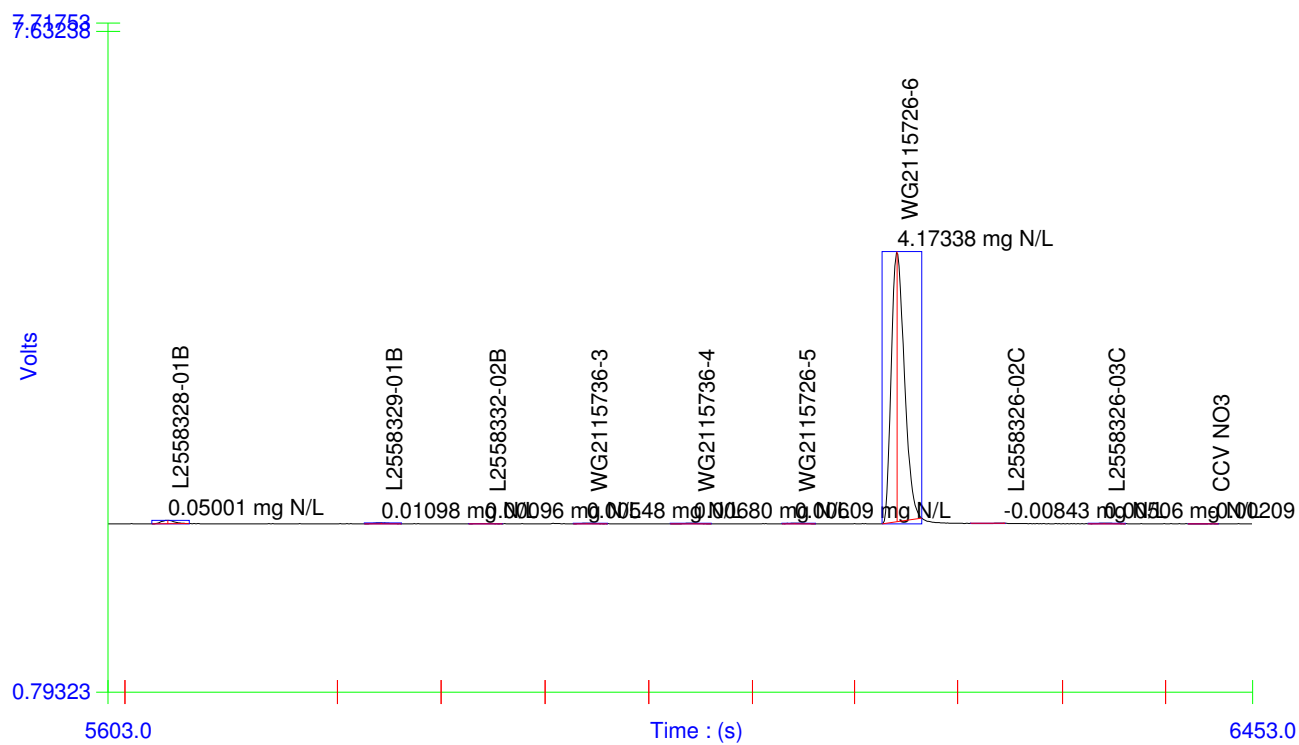
Channel 2 (NO2) - Set: 6 / 10



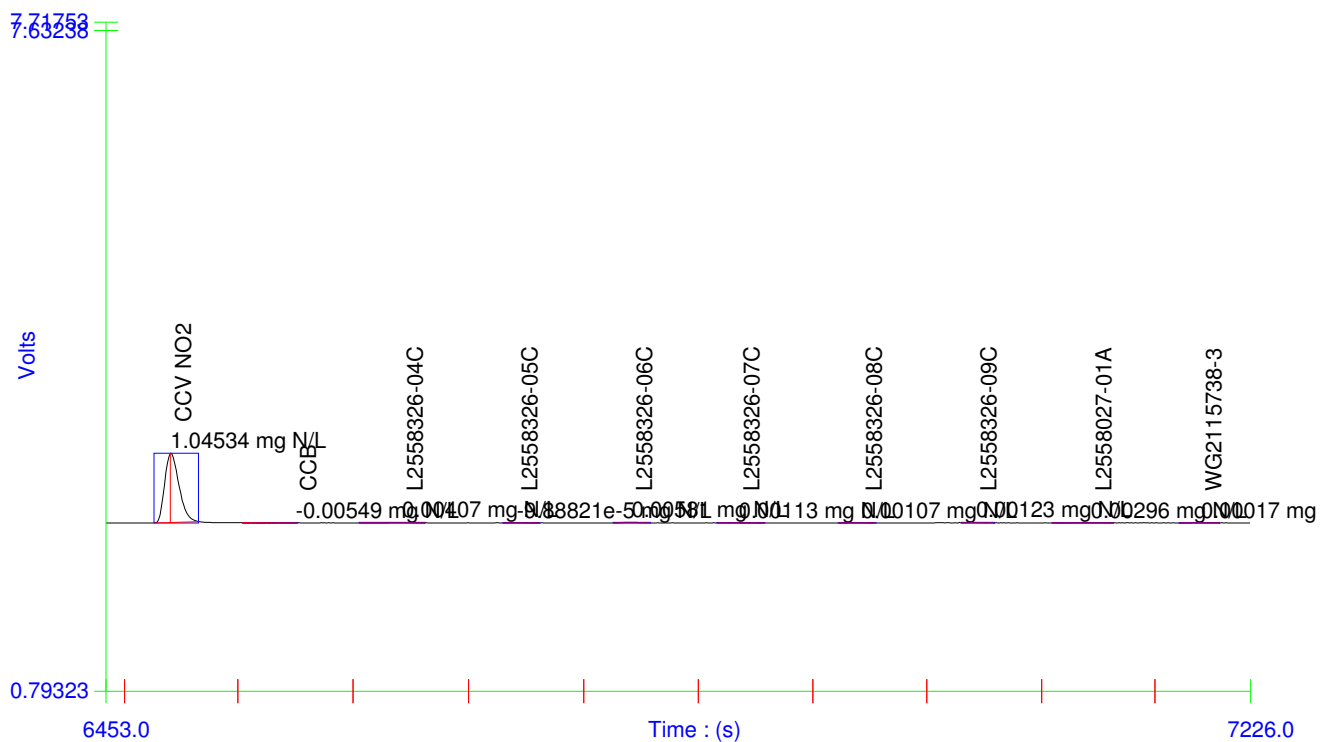
Channel 2 (NO2) - Set: 7 / 10



Channel 2 (NO2) - Set: 8 / 10



Channel 2 (NO2) - Set: 9 / 10



Channel 2 (NO2) - Set: 10 / 10

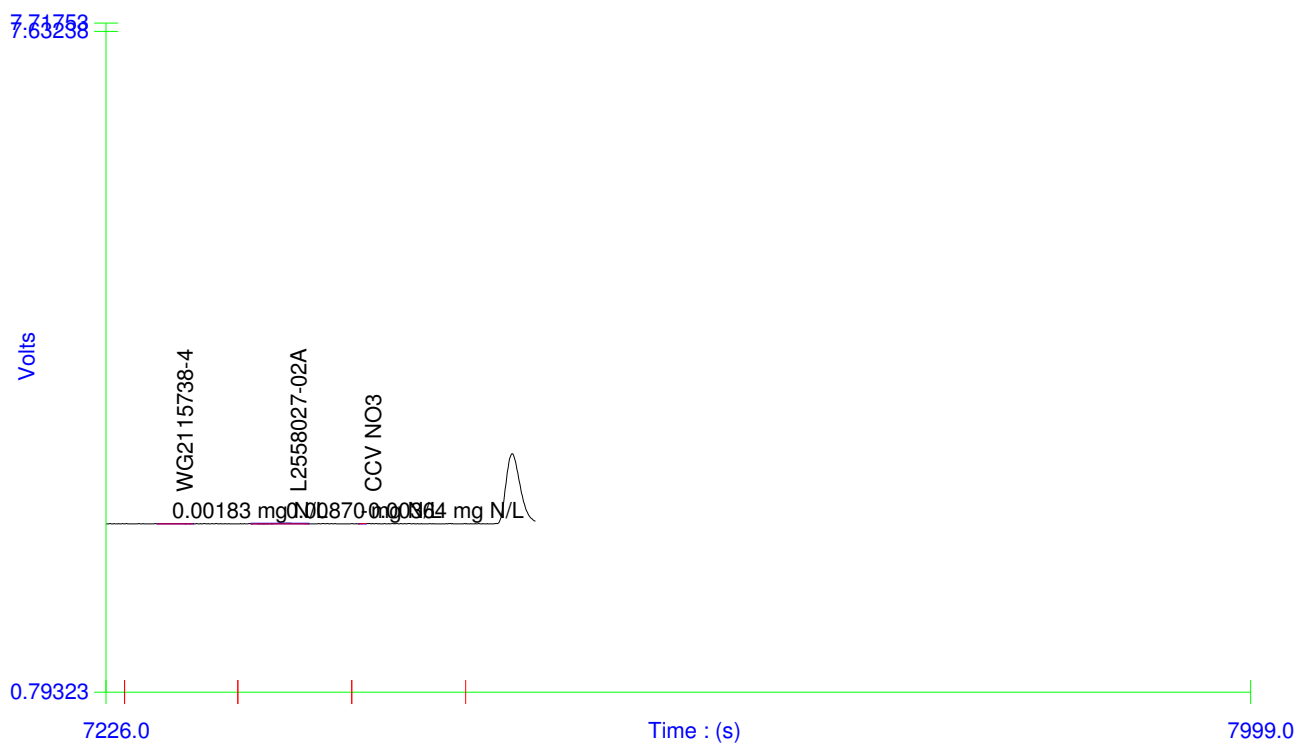


Table : 1 (NO3+NO2)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	8.00000	1	19.63863	1.85497	0.0	0.6	7.95282	9/17/2025	3:04:36 AM
2	4.00000	1	9.98512	0.95466	0.0	-1.0	4.04042	9/17/2025	3:05:55 AM
3	1.00000	1	2.48648	0.23633	0.0	-0.1	1.00135	9/17/2025	3:07:12 AM
4	0.40000	1	1.02121	0.09613	0.0	-1.9	0.40750	9/17/2025	3:08:30 AM
5	0.20000	1	0.50900	0.04729	0.0	0.0	0.19991	9/17/2025	3:09:48 AM
6	0.10000	1	0.25526	0.02372	0.0	2.8	0.09708	9/17/2025	3:11:07 AM
7	0.00000	1	0.01705	0.00126			0.00053	9/17/2025	3:12:23 AM

Figure : 1 (NO3+NO2)

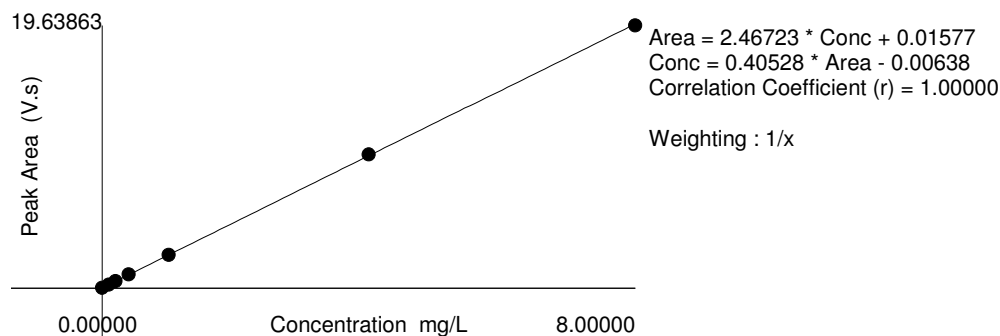
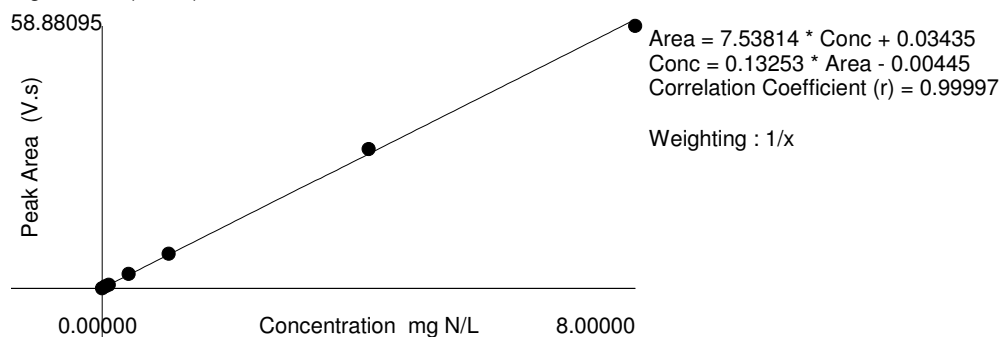


Table : 2 (Nitrite)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	8.00000	1	58.88095	5.06298	0.0	2.4	7.79913	9/17/2025	3:13:40 AM
2	4.00000	1	31.28073	2.82087	0.0	-3.6	4.14123	9/17/2025	3:14:58 AM
3	1.00000	1	7.75534	0.70235	0.0	-2.4	1.02338	9/17/2025	3:16:15 AM
4	0.40000	1	3.22107	0.28690	0.0	-5.6	0.42245	9/17/2025	3:17:33 AM
5	0.10000	1	0.81096	0.07058	0.0	-2.9	0.10303	9/17/2025	3:18:51 AM
6	0.05000	1	0.39881	0.03516	0.0	3.0	0.04841	9/17/2025	3:20:09 AM
7	0.00000	1	0.00027	-0.00132			-0.00441	9/17/2025	3:21:26 AM

Figure : 2 (Nitrite)



Original Run Filename: OM_9-17-2025_05-11-11AM.OMN Created: 9/17/2025 5:11:11 AM

Original Run Author's Signature: [A1wetcheminstrument]

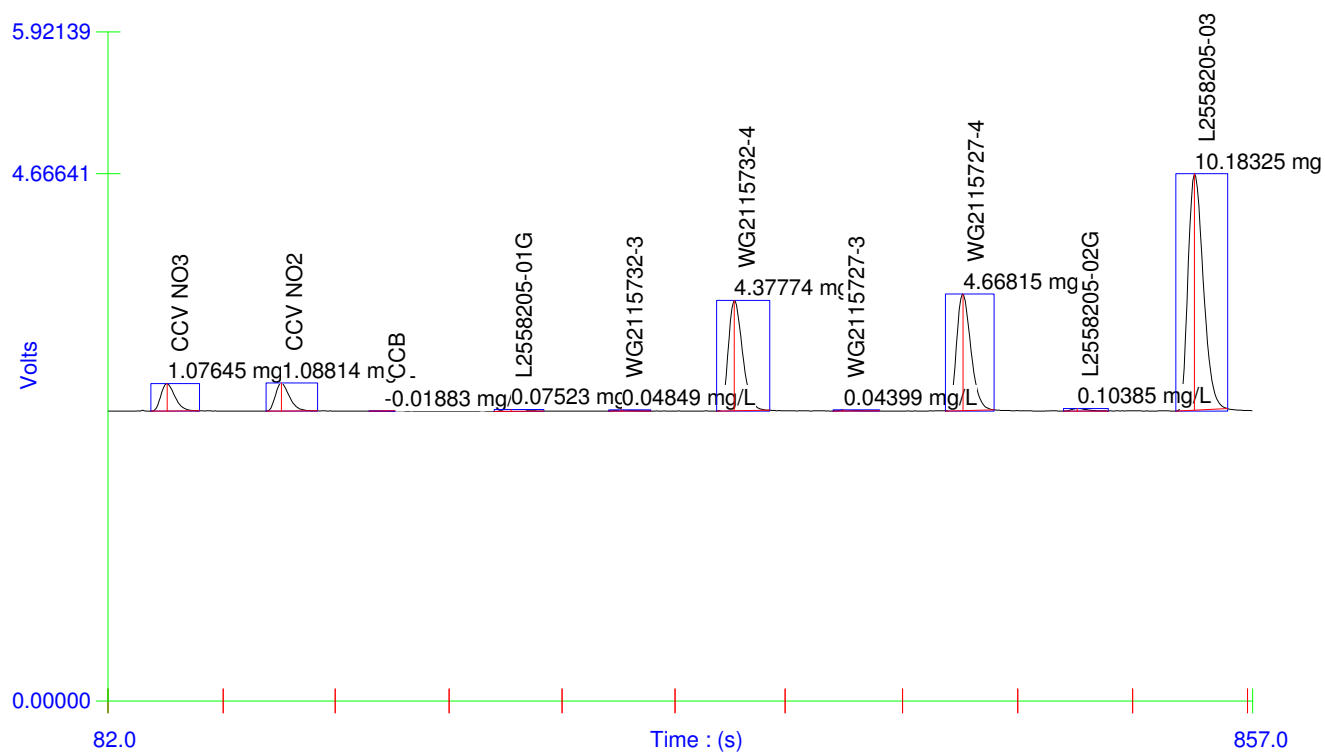
Current Run Filename: OM_9-17-2025_05-11-11AM.OMN Last Modified: 9/17/2025 5:31:33 AM

Current Run Author's Signature: [A1wetcheminstrument]

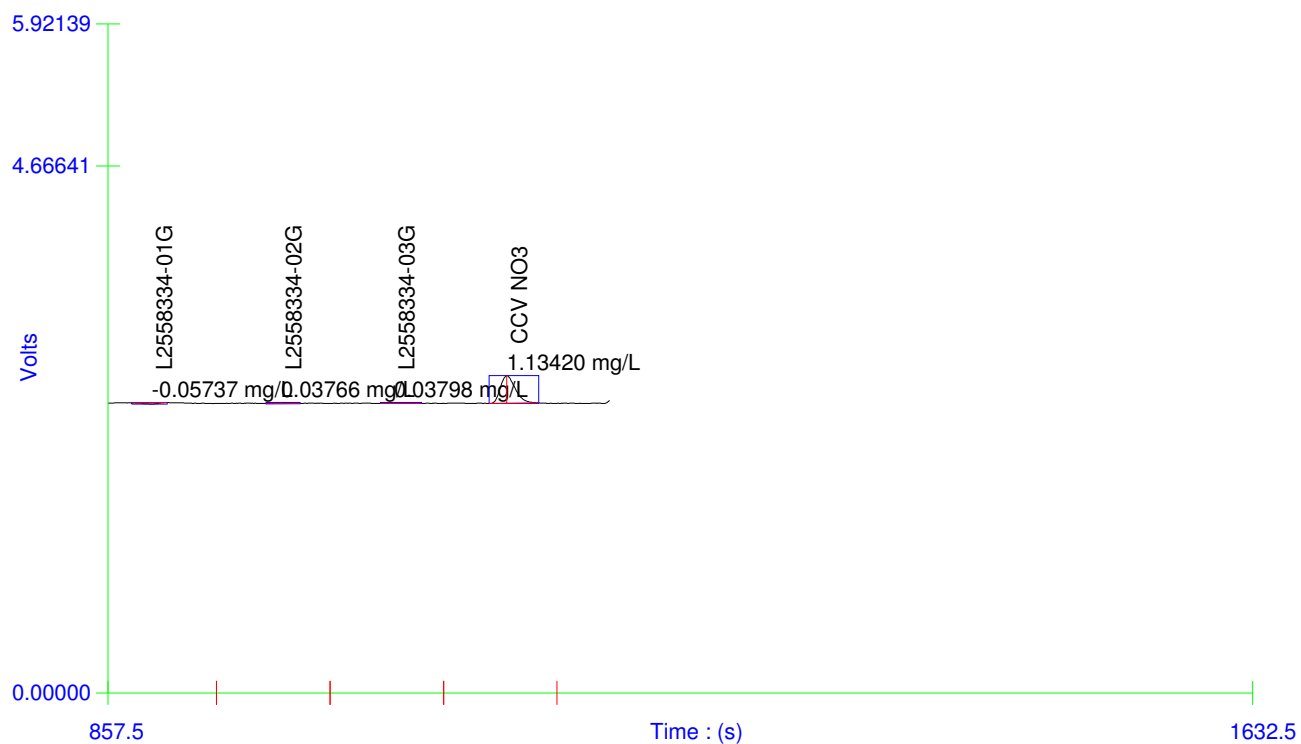
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	Channel 2	ADF	MDF	Weight
			NO3+NO2 (mg/L)	Nitrite (mg N/L)			
CCV NO3	1	S2	1.07645	-0.00124			
Known Conc:			1.00000	0.00000			
Calibration:				Table/Fig. : 1			
CCV NO2	1	S9	1.08814	1.05176			
Known Conc:			0.00000	1.00000			
Calibration:			Table/Fig. : 2				
CCB	1	S1	-0.01883	-0.00662			
Known Conc:			0.00000	0.00000			
L2558205-01G	1	57	0.07523	-0.00567			
WG2115732-3	1	58	0.04849	-0.00230			
WG2115732-4	1	59	4.37774	0.01508			
WG2115727-3	1	60	0.04399	-0.00322			
WG2115727-4	1	61	4.66815	4.23108			
L2558205-02G	1	62	0.10385	0.03423			
L2558205-03G	1	63	10.18325	0.01211			
L2558334-01G	1	64	-0.05737	-0.00184			
L2558334-02G	1	65	0.03766	-0.00066			
L2558334-03G	1	66	0.03798	-0.00183			
CCV NO3	1	S2	1.13420	-0.00151			
Known Conc:			1.00000	0.00000			

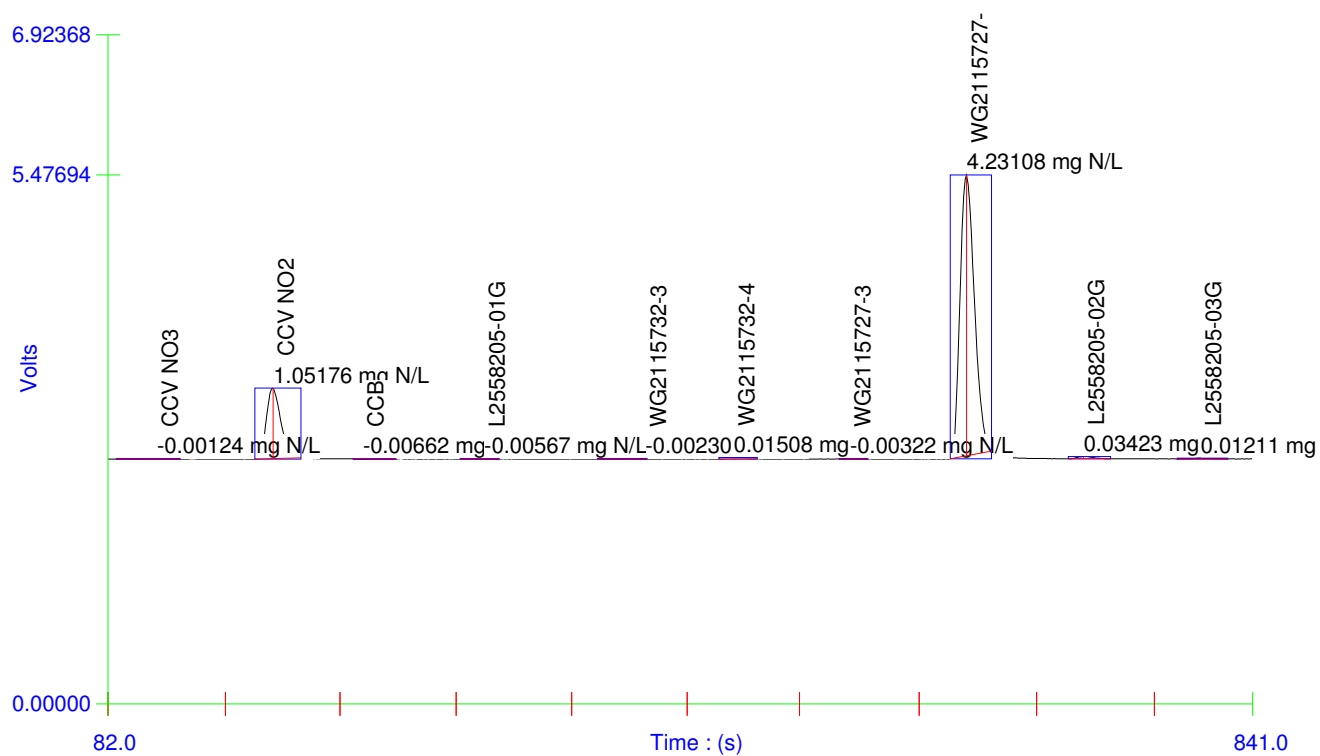
Channel 1 (NO3+NO2) - Set: 1 / 2



Channel 1 (NO3+NO2) - Set: 2 / 2



Channel 2 (NO2) - Set: 1 / 2



Channel 2 (NO2) - Set: 2 / 2

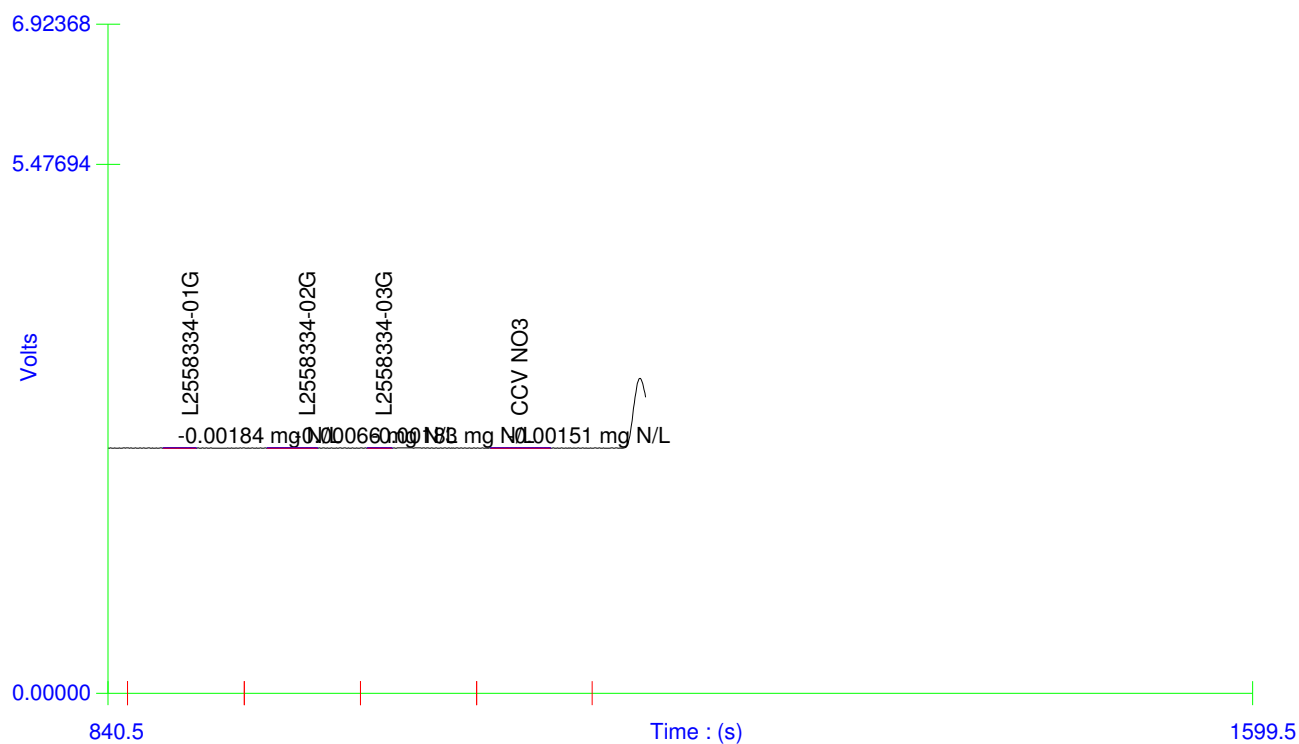


Table : 1 (Nitrite)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	8.00000	1	58.88095	5.06298	0.0	2.4	7.79913	9/17/2025	3:13:40 AM
2	4.00000	1	31.28073	2.82087	0.0	-3.6	4.14123	9/17/2025	3:14:58 AM
3	1.00000	1	7.75534	0.70235	0.0	-2.4	1.02338	9/17/2025	3:16:15 AM
4	0.40000	1	3.22107	0.28690	0.0	-5.6	0.42245	9/17/2025	3:17:33 AM
5	0.10000	1	0.81096	0.07058	0.0	-2.9	0.10303	9/17/2025	3:18:51 AM
6	0.05000	1	0.39881	0.03516	0.0	3.0	0.04841	9/17/2025	3:20:09 AM
7	0.00000	1	0.00027	-0.00132			-0.00441	9/17/2025	3:21:26 AM

Figure : 1 (Nitrite)

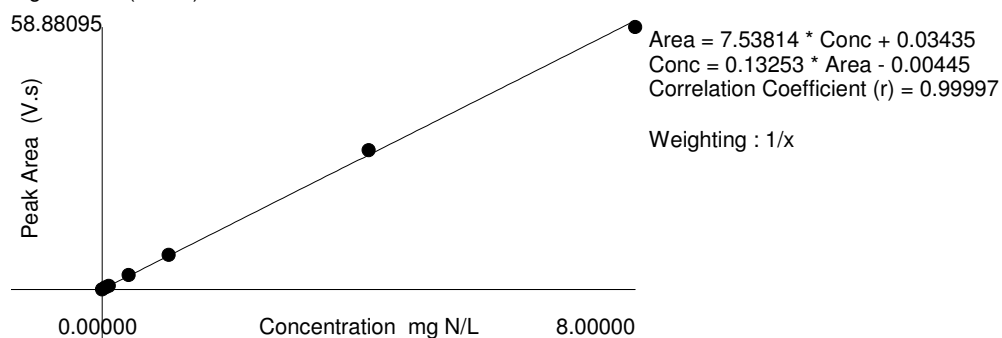
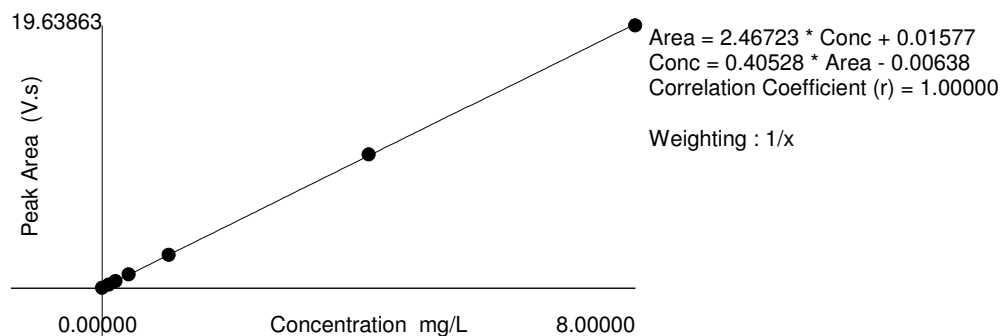


Table : 2 (NO3+NO2)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	8.00000	1	19.63863	1.85497	0.0	0.6	7.95282	9/17/2025	3:04:36 AM
2	4.00000	1	9.98512	0.95466	0.0	-1.0	4.04042	9/17/2025	3:05:55 AM
3	1.00000	1	2.48648	0.23633	0.0	-0.1	1.00135	9/17/2025	3:07:12 AM
4	0.40000	1	1.02121	0.09613	0.0	-1.9	0.40750	9/17/2025	3:08:30 AM
5	0.20000	1	0.50900	0.04729	0.0	0.0	0.19991	9/17/2025	3:09:48 AM
6	0.10000	1	0.25526	0.02372	0.0	2.8	0.09708	9/17/2025	3:11:07 AM
7	0.00000	1	0.01705	0.00126			0.00053	9/17/2025	3:12:23 AM

Figure : 2 (NO3+NO2)



Original Run Filename: OM_9-17-2025_05-33-47AM.OMN Created: 9/17/2025 5:33:47 AM

Original Run Author's Signature: [A1wetcheminstrument]

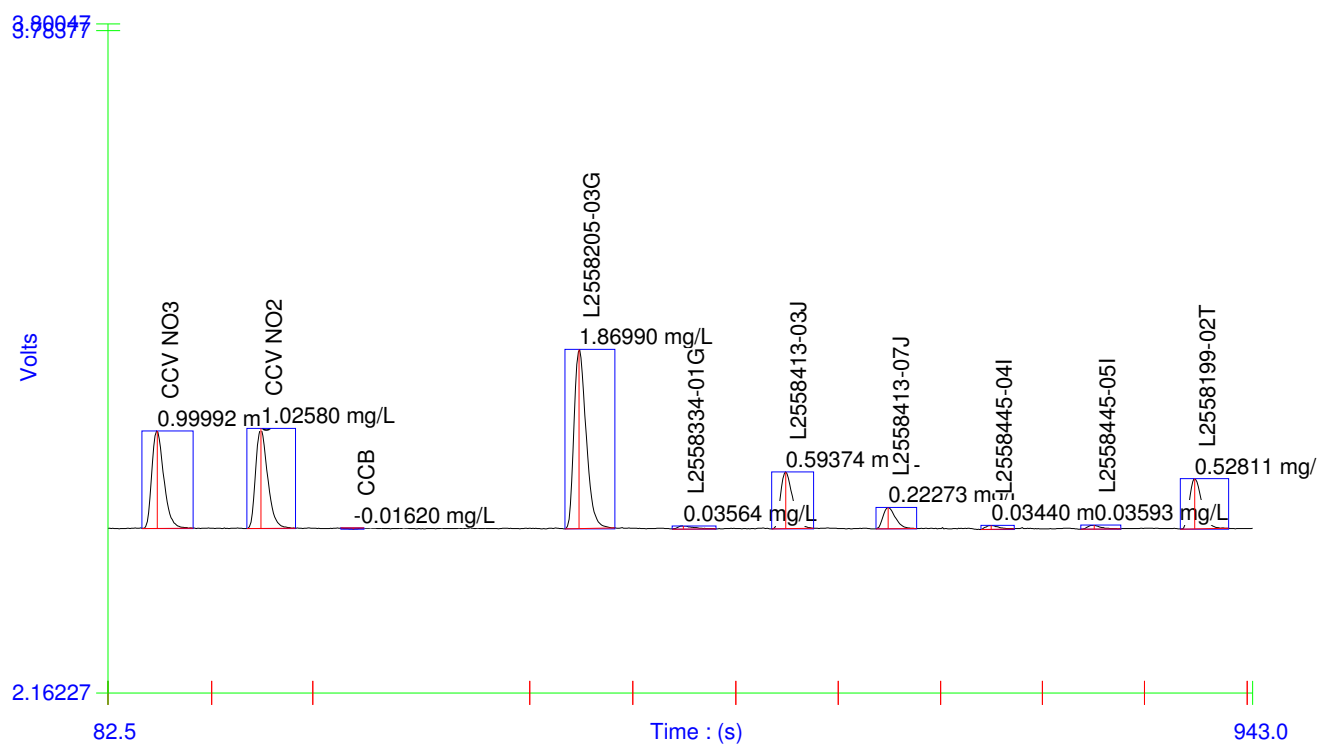
Current Run Filename: OM_9-17-2025_05-33-47AM.OMN Last Modified: 9/17/2025 6:31:23 AM

Current Run Author's Signature: [A1wetcheminstrument]

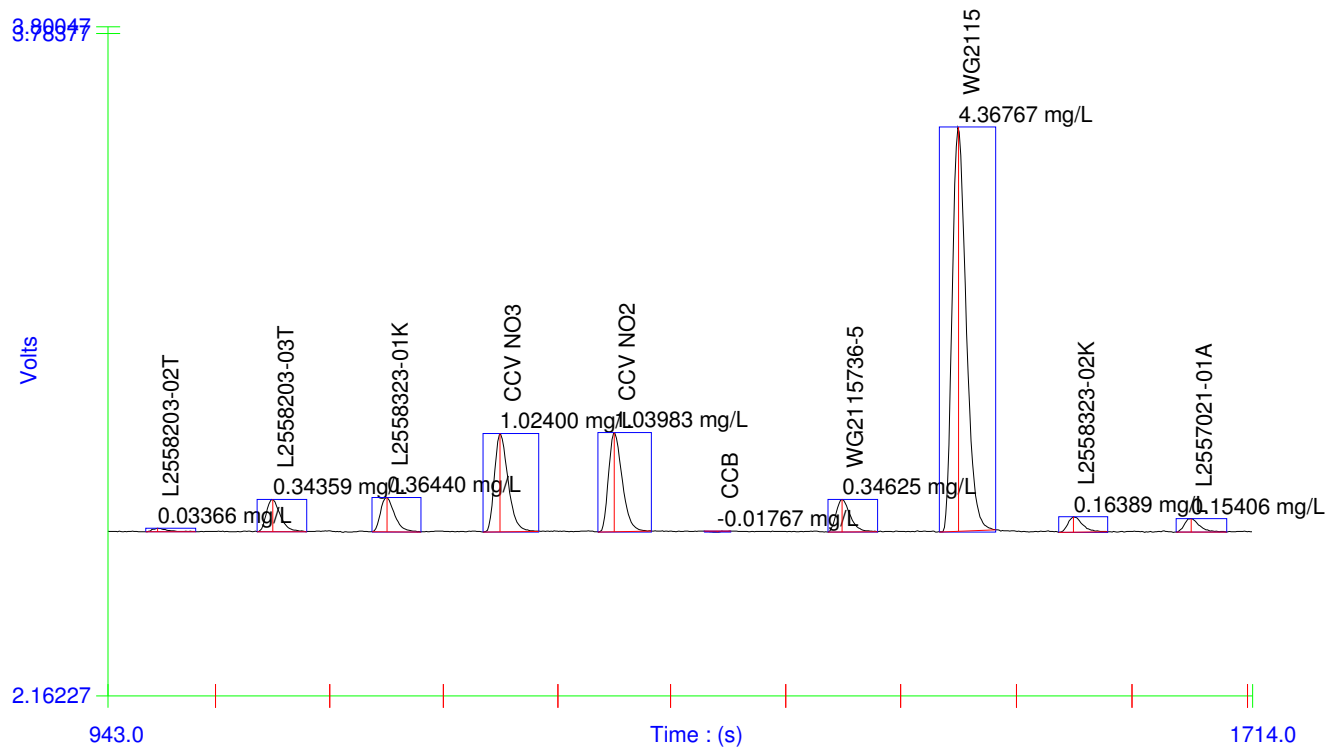
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	Channel 2	ADF	MDF	Weight
			NO3+NO2 (mg/L)	Nitrite (mg N/L)			
CCV NO3	1	S2	0.99992	-0.00411			
Known Conc:			1.00000	0.00000			
Calibration:			Table/Fig. : 1				
CCV NO2	1	S9	1.02580	1.05355			
Known Conc:			0.00000	1.00000			
Calibration:			Table/Fig. : 2				
CCB	1	S1	-0.01620	-0.00344			
Known Conc:			0.00000	0.00000			
L2558205-03G	1	63	9.34948	-0.00281	5.00		
L2558334-01G	1	64	0.03564	-0.00343			
L2558413-03J	1	67	0.59374	0.00162			
L2558413-07J	1	68	0.22273	0.01823			
L2558445-04I	1	69	0.03440	-0.00299			
L2558445-05I	1	70	0.03593	-0.00140			
L2558199-02T	1	71	0.52811	0.02468			
L2558203-02T	1	72	0.03366	-0.00122			
L2558203-03T	1	73	0.34359	0.05467			
L2558323-01K	1	74	0.36440	0.00841			
CCV NO3	1	S2	1.02400	-0.00210			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.03983	1.03947			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01767	-0.00617			
Known Conc:			0.00000	0.00000			
WG2115736-5	1	75	0.34625	0.00953			
WG2115736-6	1	76	4.36767	0.02722			
L2558323-02K	1	77	0.16389	0.01496			
L2557021-01A	1	78	0.15406	0.00119			
L2557023-01A	1	79	0.07163	-0.00011			
L2557529-01R	1	80	0.18266	-0.00342			
L2557529-02R	1	81	0.43644	-3.69328e-6			
L2557076-02O	1	82	0.03982	-0.00233			
L2557076-03O	1	83	0.19910	-0.00293			
L2557076-04O	1	84	3.63799	-0.00243			
CCV NO3	1	S2	1.06710	-0.00623			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.05686	1.03511			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01775	-0.00747			
Known Conc:			0.00000	0.00000			
L2557076-05O	1	85	0.28411	-0.00176			
L2557076-06O	1	86	0.95271	-0.00626			
L2557076-07O	1	87	0.74278	-0.00246			
L2557076-08O	1	88	0.29904	-0.00416			
L2557076-09O	1	89	1.82849	-0.00301			
L2557076-10O	1	90	2.06244	-0.00226			
WG2115801-1	1	91	-0.01840	-0.00199			
WG2115801-2	1	92	5.35394	-0.00597			
WG2115806-1	1	93	-0.01931	-0.00135			
WG2115806-2	1	94	5.40197	-0.00551			
CCV NO3	1	S2	1.10282	-0.00417			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.09827	1.03978			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01682	-0.00397			
Known Conc:			0.00000	0.00000			

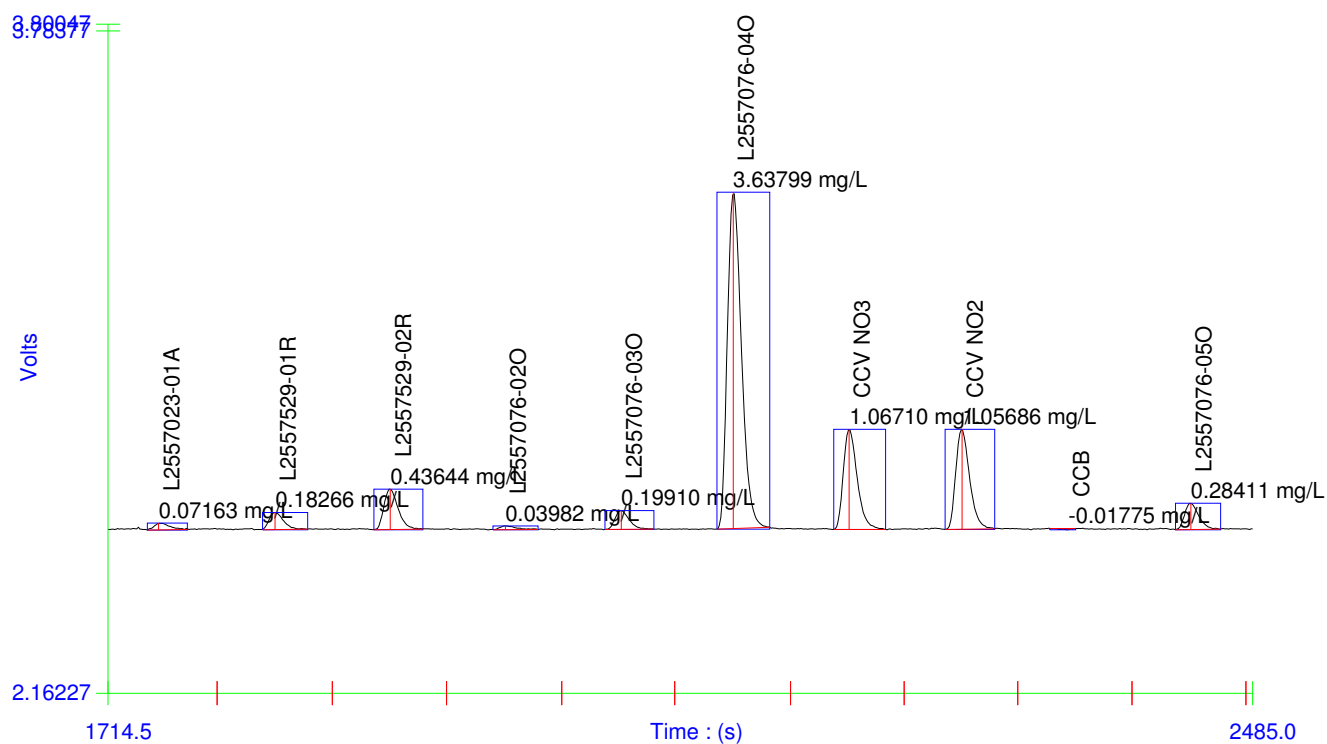
Channel 1 (NO3+NO2) - Set: 1 / 5



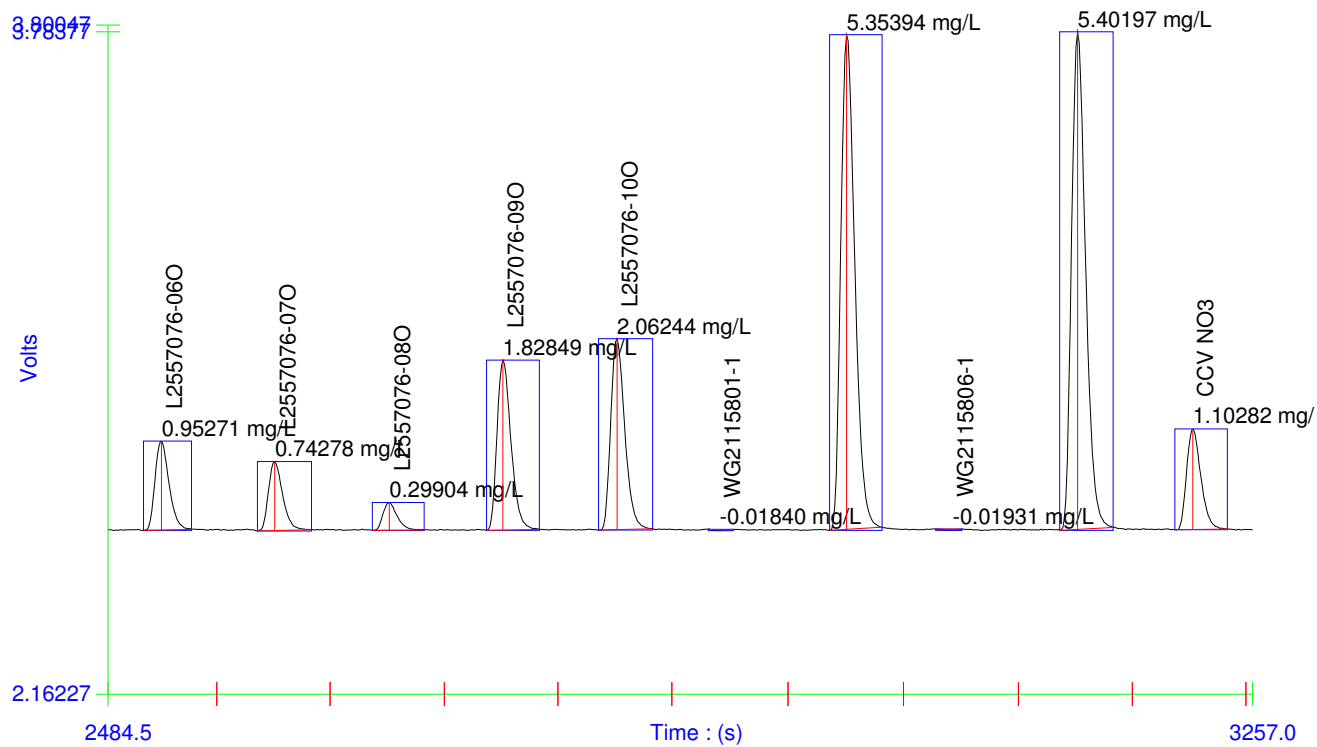
Channel 1 (NO3+NO2) - Set: 2 / 5



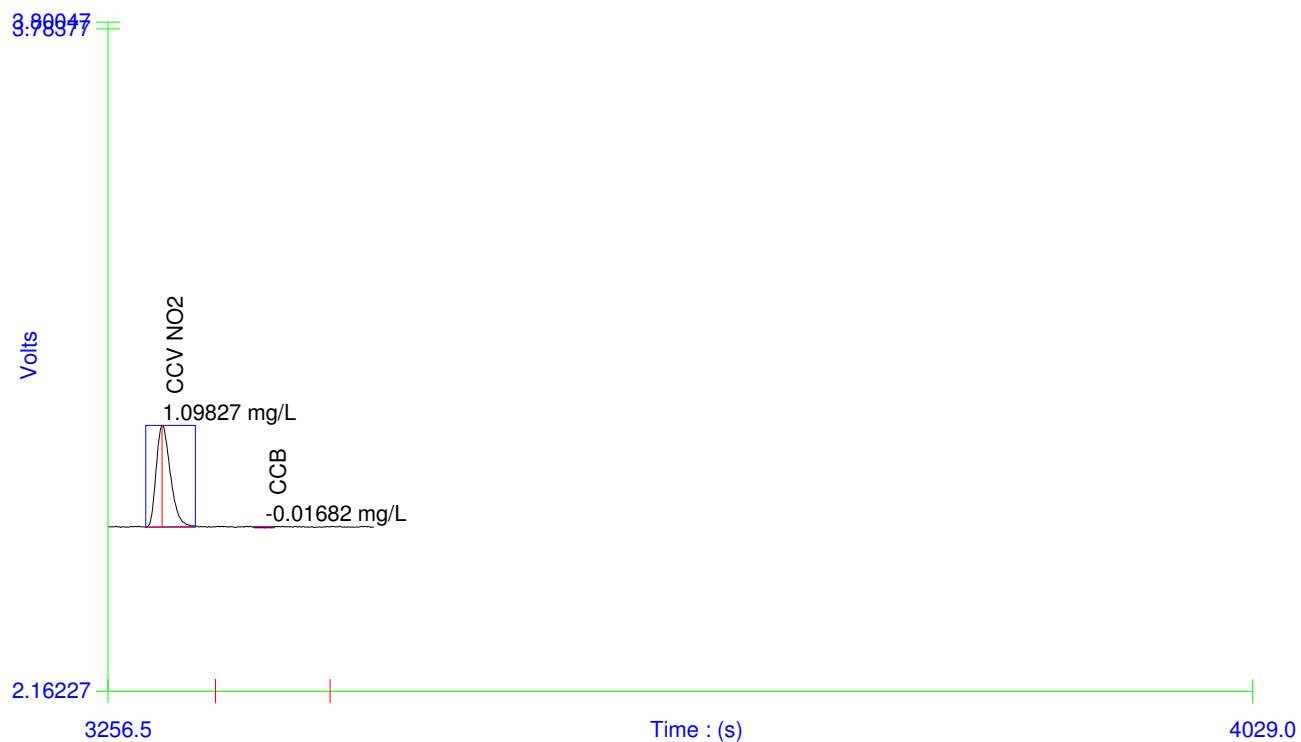
Channel 1 (NO3+NO2) - Set: 3 / 5



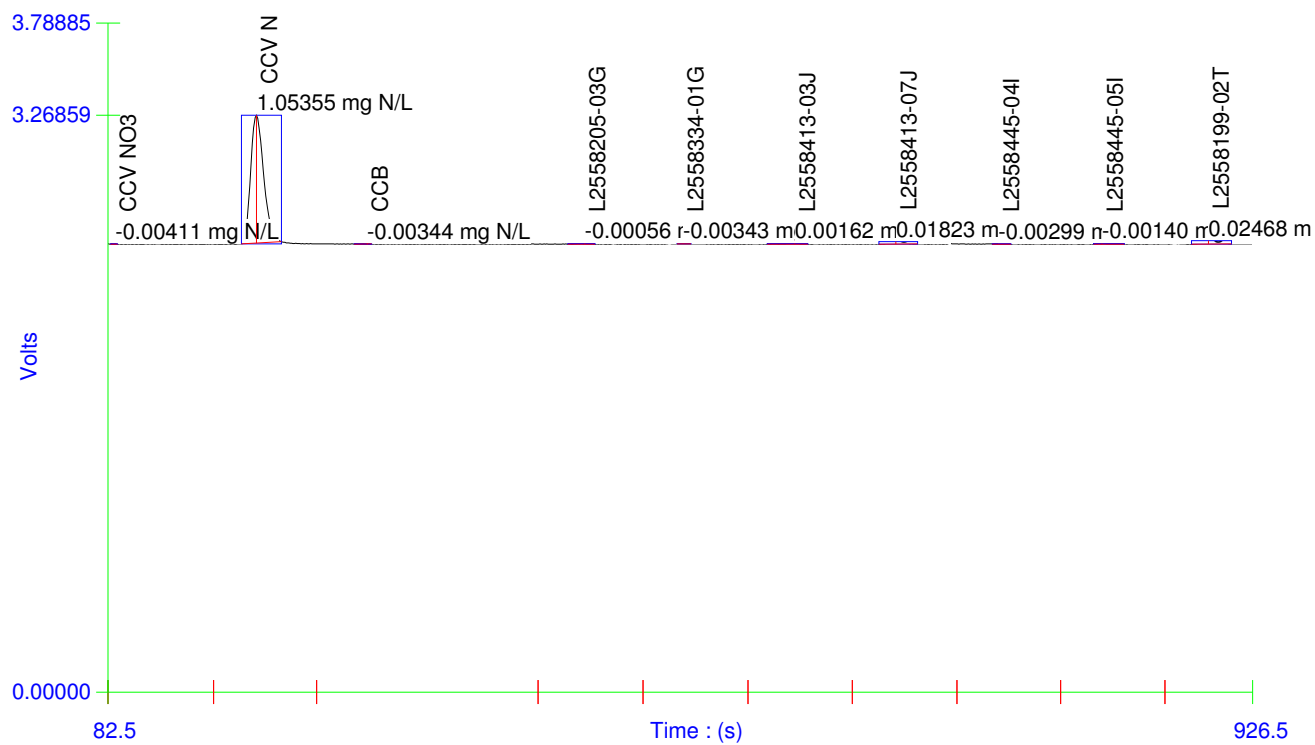
Channel 1 (NO3+NO2) - Set: 4 / 5



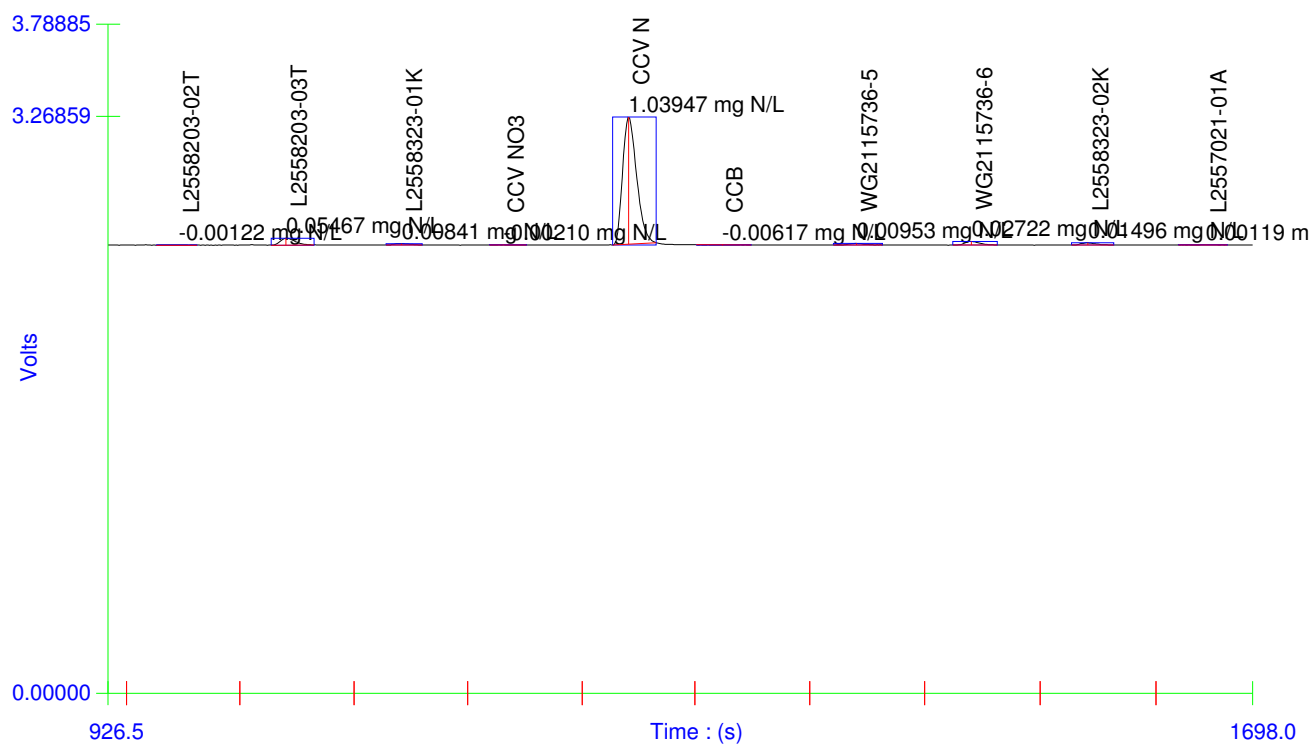
Channel 1 (NO3+NO2) - Set: 5 / 5



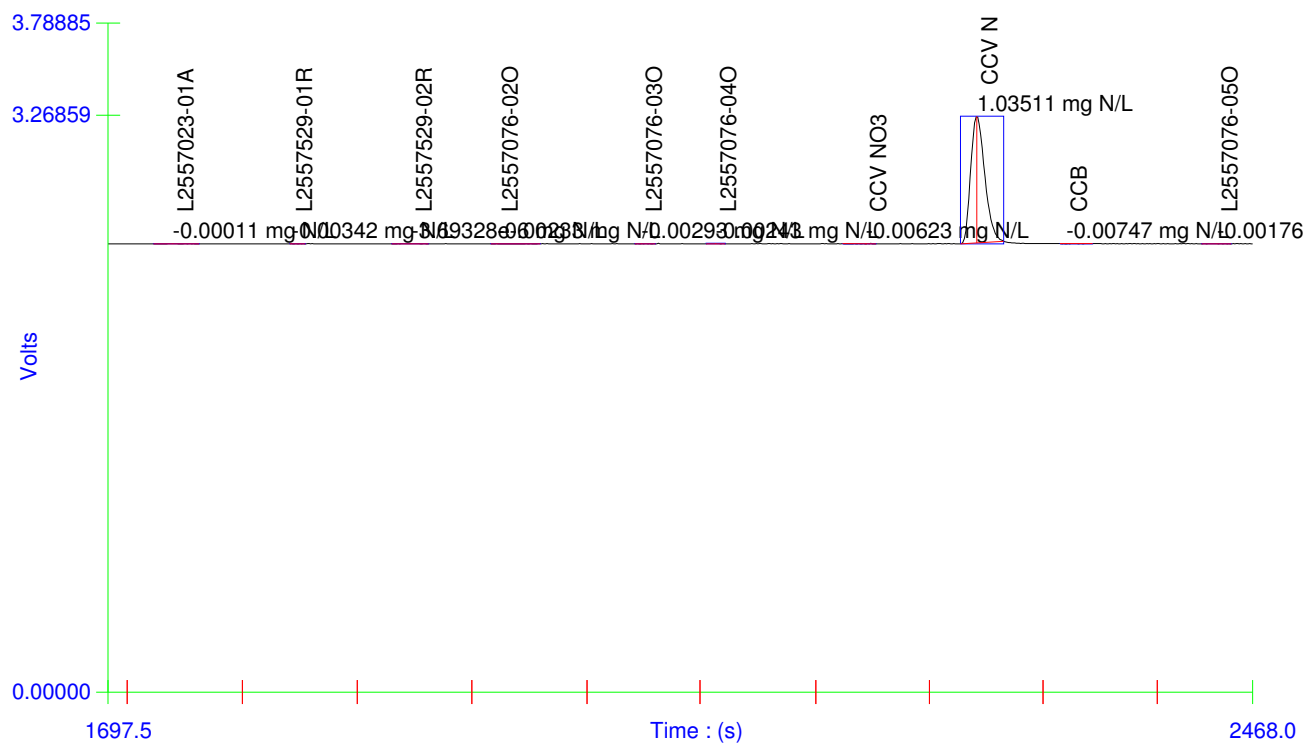
Channel 2 (NO2) - Set: 1 / 5



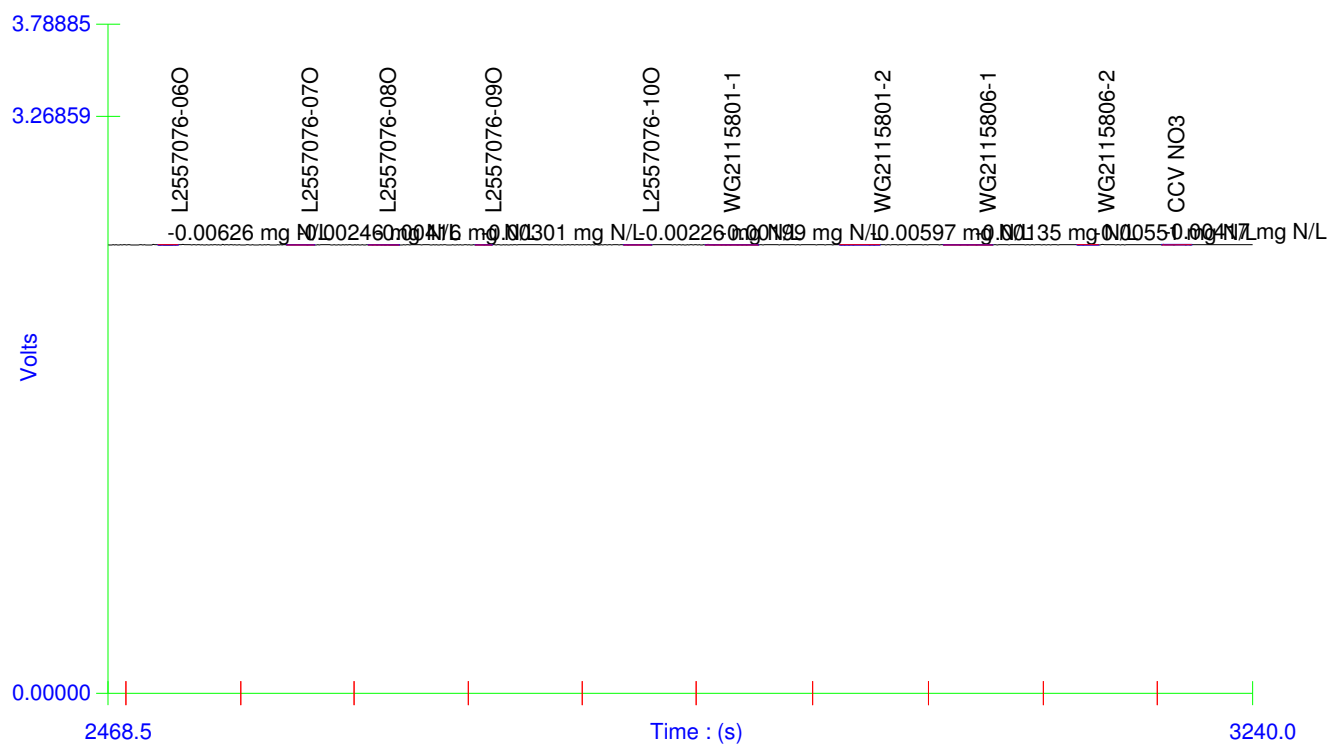
Channel 2 (NO2) - Set: 2 / 5



Channel 2 (NO2) - Set: 3 / 5



Channel 2 (NO2) - Set: 4 / 5



Channel 2 (NO2) - Set: 5 / 5

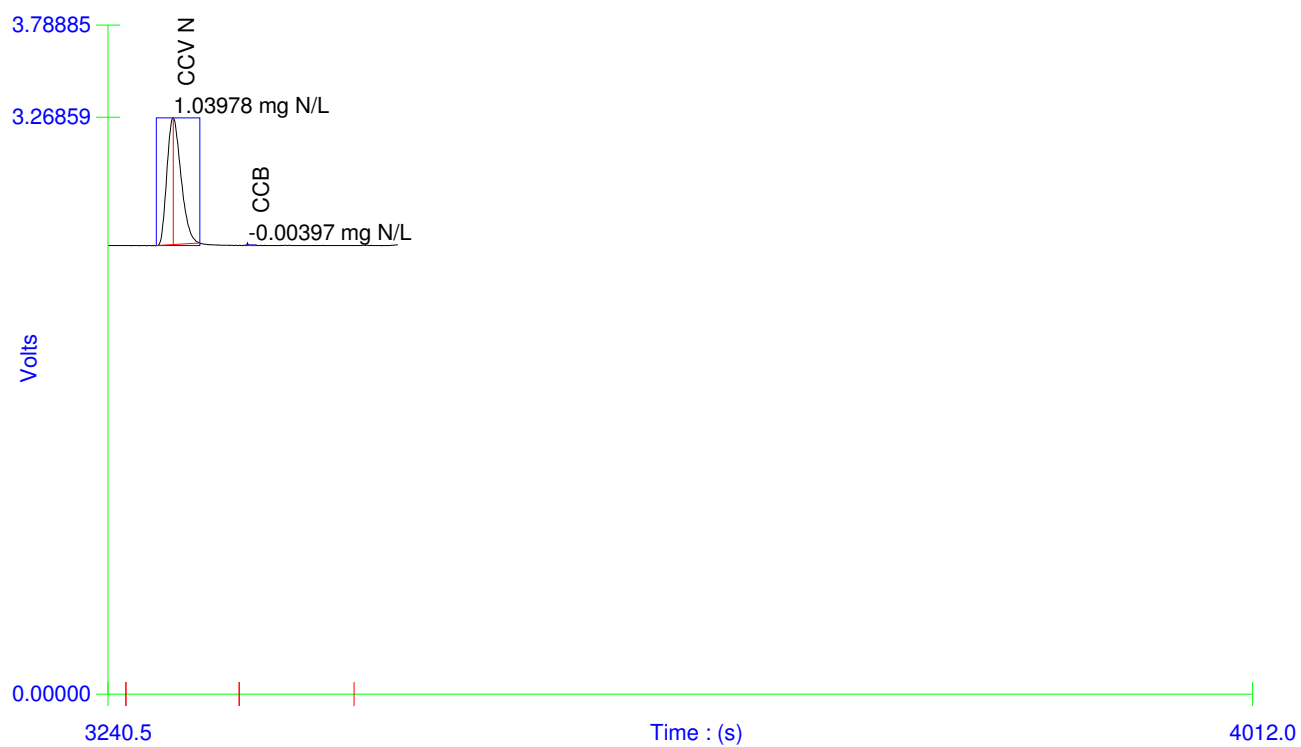


Table : 1 (Nitrite)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	8.00000	1	58.88095	5.06298	0.0	2.4	7.79913	9/17/2025	3:13:40 AM
2	4.00000	1	31.28073	2.82087	0.0	-3.6	4.14123	9/17/2025	3:14:58 AM
3	1.00000	1	7.75534	0.70235	0.0	-2.4	1.02338	9/17/2025	3:16:15 AM
4	0.40000	1	3.22107	0.28690	0.0	-5.6	0.42245	9/17/2025	3:17:33 AM
5	0.10000	1	0.81096	0.07058	0.0	-2.9	0.10303	9/17/2025	3:18:51 AM
6	0.05000	1	0.39881	0.03516	0.0	3.0	0.04841	9/17/2025	3:20:09 AM
7	0.00000	1	0.00027	-0.00132			-0.00441	9/17/2025	3:21:26 AM

Figure : 1 (Nitrite)

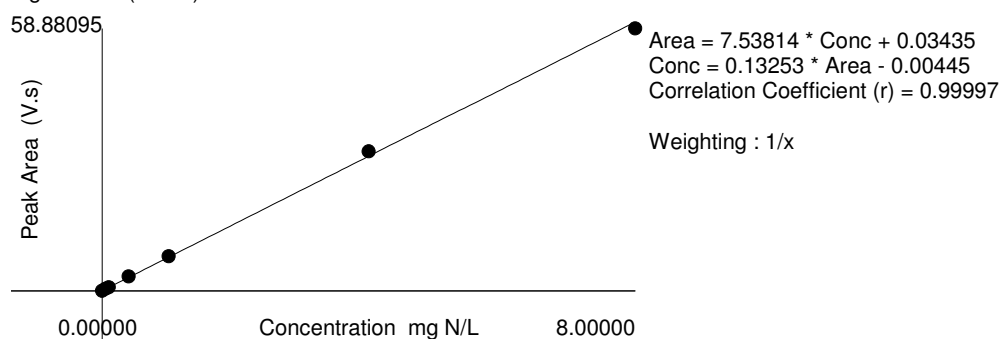
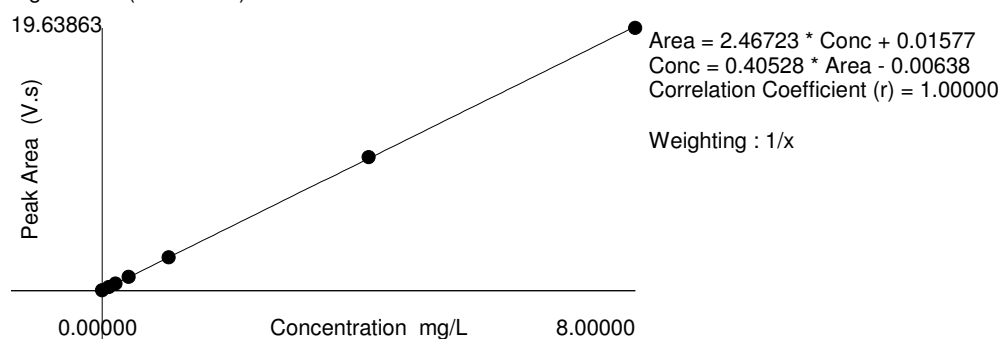


Table : 2 (NO3+NO2)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	8.00000	1	19.63863	1.85497	0.0	0.6	7.95282	9/17/2025	3:04:36 AM
2	4.00000	1	9.98512	0.95466	0.0	-1.0	4.04042	9/17/2025	3:05:55 AM
3	1.00000	1	2.48648	0.23633	0.0	-0.1	1.00135	9/17/2025	3:07:12 AM
4	0.40000	1	1.02121	0.09613	0.0	-1.9	0.40750	9/17/2025	3:08:30 AM
5	0.20000	1	0.50900	0.04729	0.0	0.0	0.19991	9/17/2025	3:09:48 AM
6	0.10000	1	0.25526	0.02372	0.0	2.8	0.09708	9/17/2025	3:11:07 AM
7	0.00000	1	0.01705	0.00126			0.00053	9/17/2025	3:12:23 AM

Figure : 2 (NO3+NO2)



Original Run Filename: OM_9-17-2025_06-34-56AM.OMN Created: 9/17/2025 6:34:56 AM

Original Run Author's Signature: [A1wetcheminstrument]

Current Run Filename: OM_9-17-2025_06-34-56AM.OMN Last Modified: 9/17/2025 7:56:15 AM

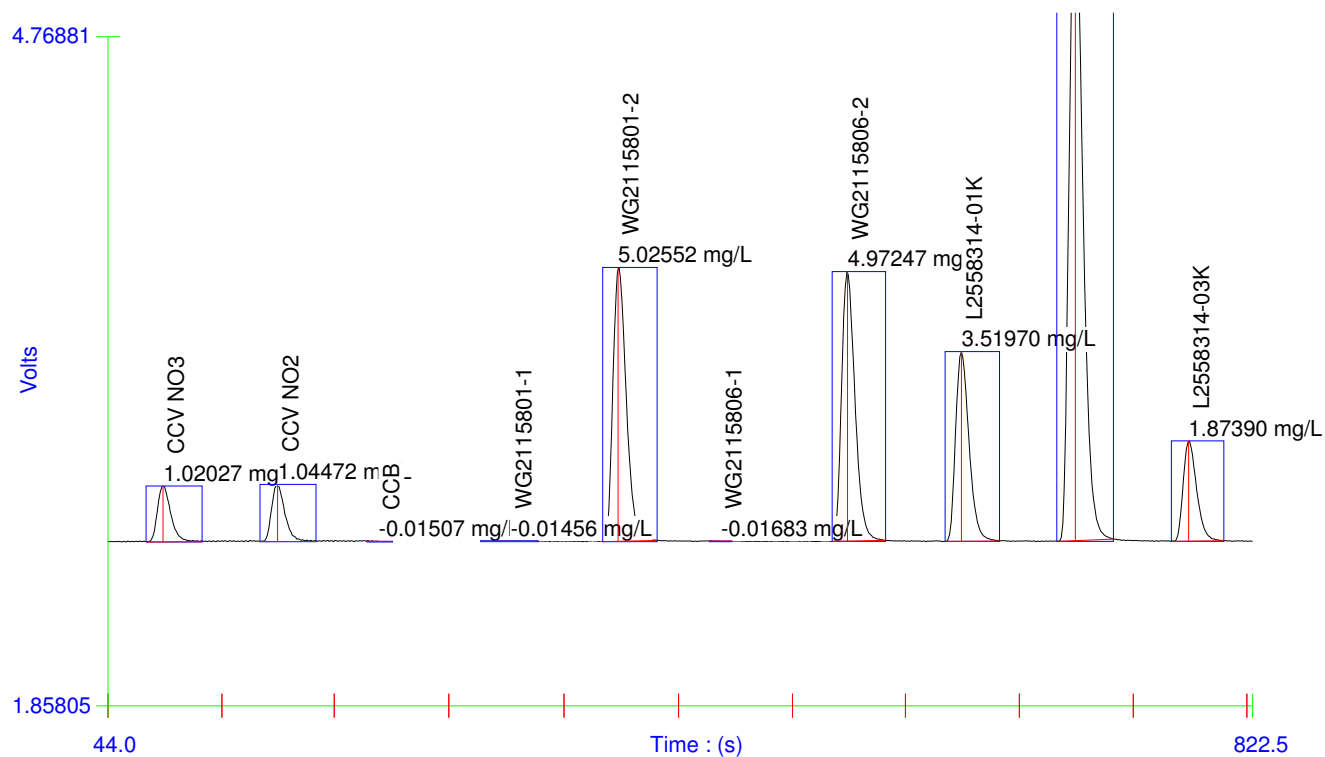
Current Run Author's Signature: [A1wetcheminstrument]

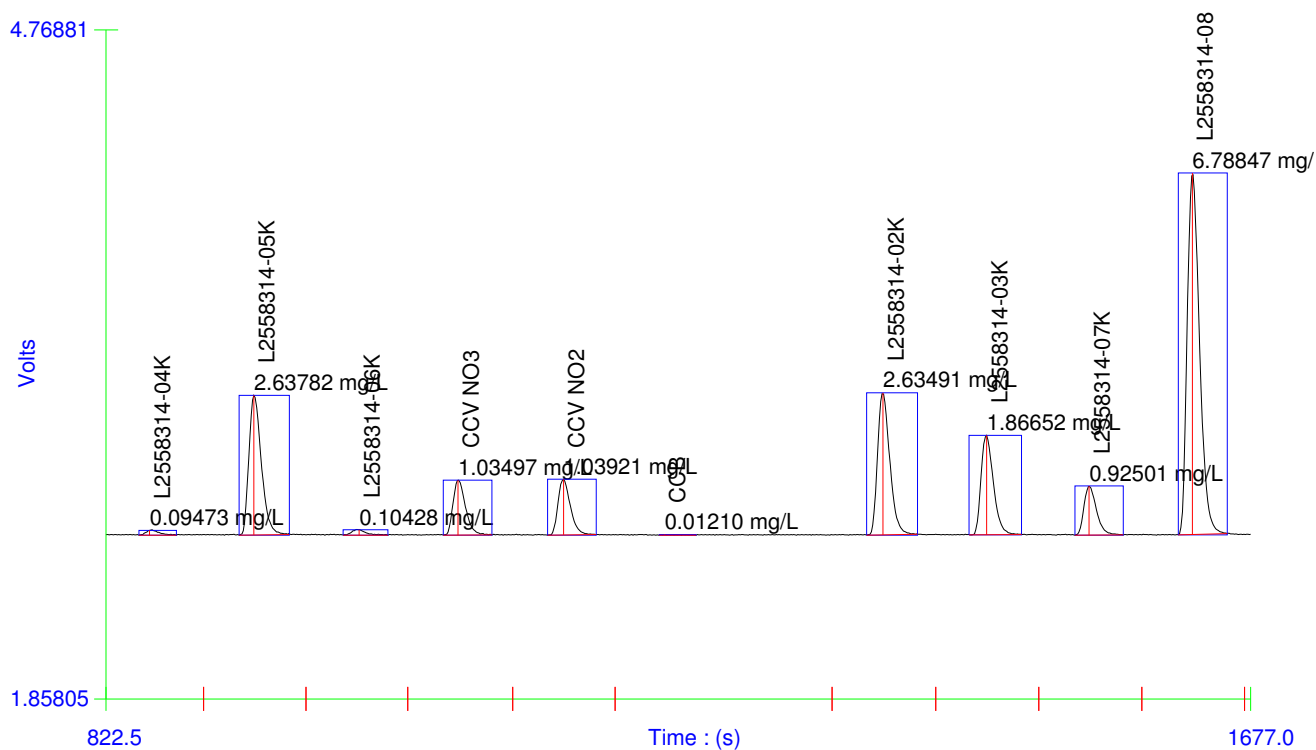
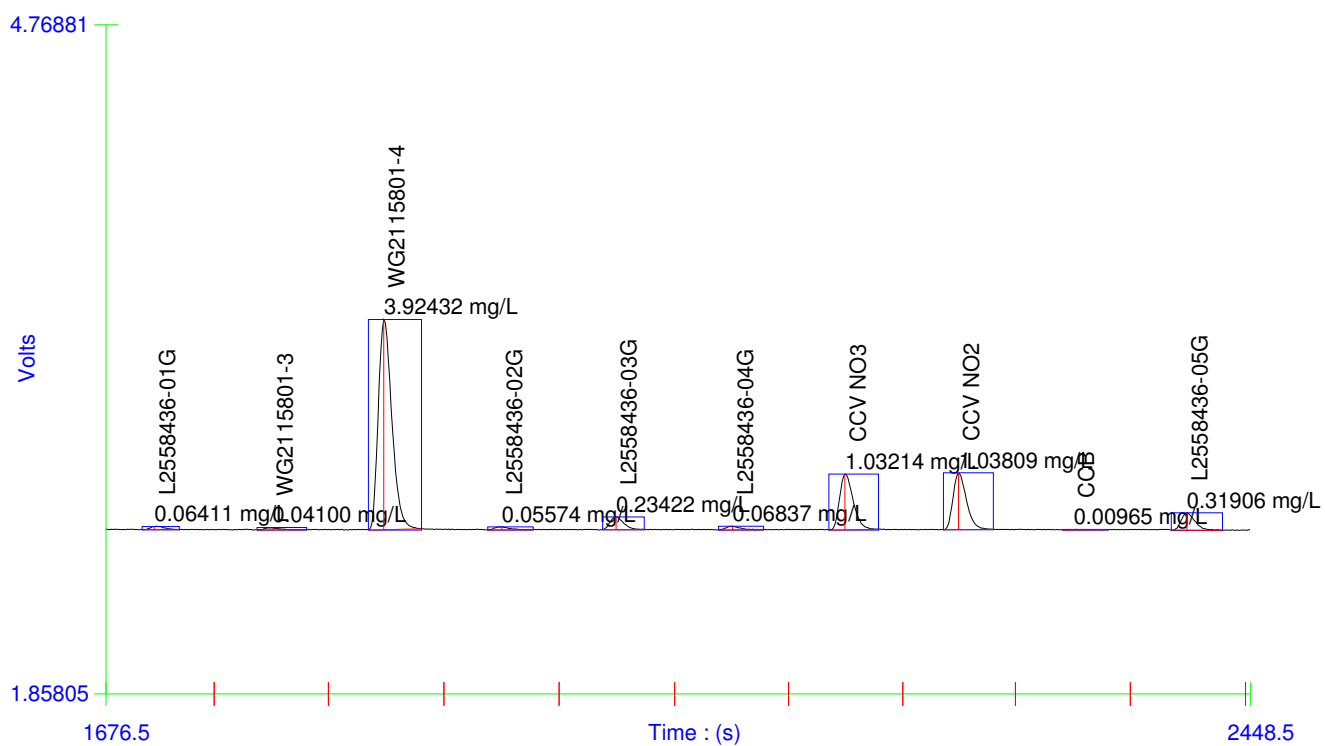
Description: Default New Run

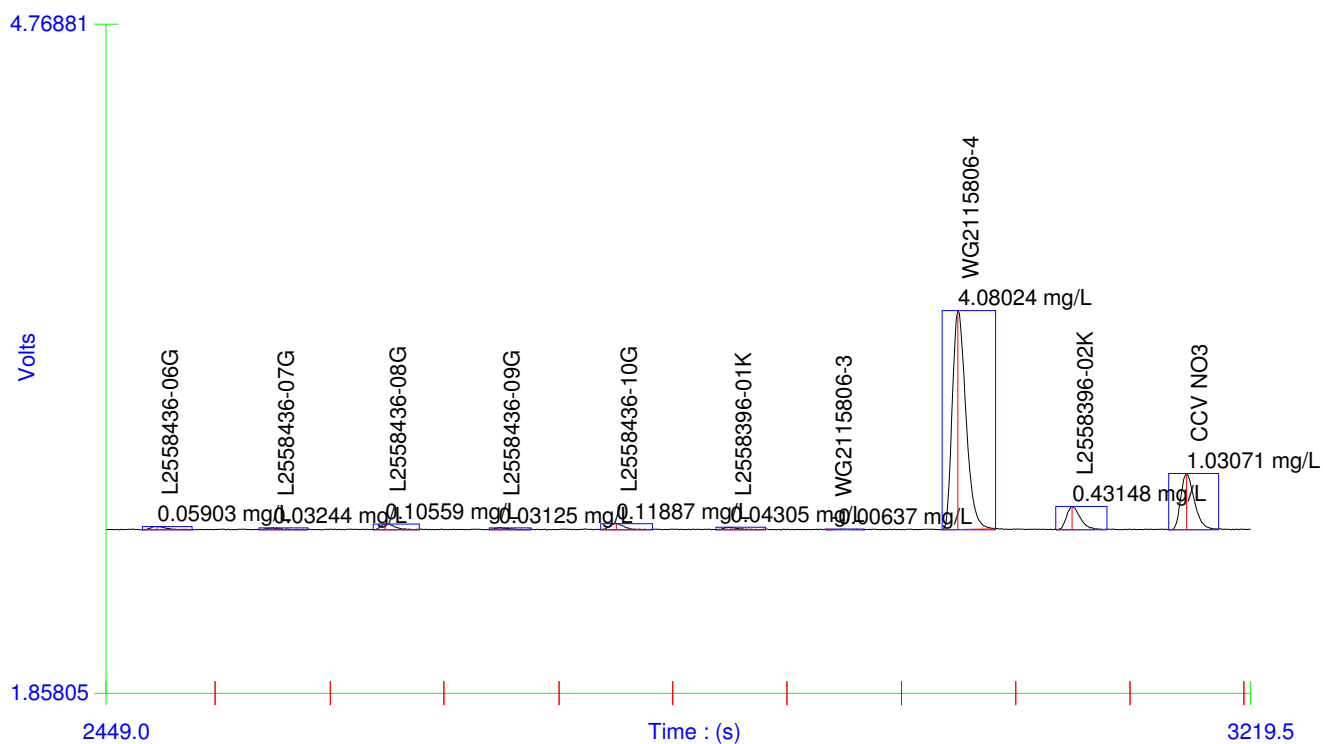
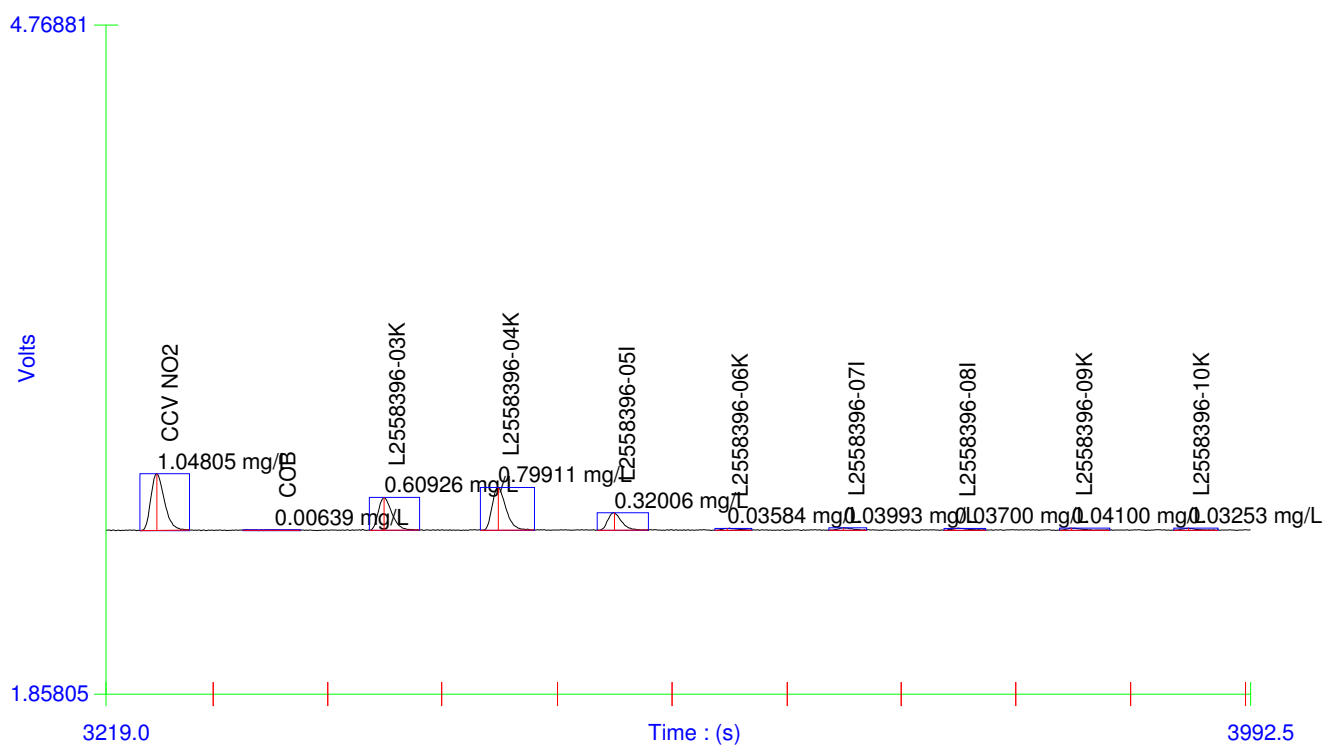
Sample	Rep.	Cup No.	Channel 1	Channel 2	ADF	MDF	Weight
			NO3+NO2 (mg/L)	Nitrite (mg N/L)			
CCV NO3	1	S2	1.02027	-0.00268			
Known Conc:			1.00000	0.00000			
Calibration:			Table/Fig. : 1				
CCV NO2	1	S9	1.04472	1.05785			
Known Conc:			0.00000	1.00000			
Calibration:			Table/Fig. : 2				
CCB	1	S1	-0.01507	-0.00079			
Known Conc:			0.00000	0.00000			
WG2115801-1	1	91	-0.01456	-0.00526			
WG2115801-2	1	92	5.02552	-0.00687			
WG2115806-1	1	93	-0.01683	-0.00364			
WG2115806-2	1	94	4.97247	-0.00338			
L2558314-01K	1	95	3.51970	0.00389			
L2558314-02K	1	96	12.36686	0.00131			
L2558314-03K	1	97	1.87390	-0.00551			
L2558314-04K	1	98	0.09473	0.00062			
L2558314-05K	1	99	2.63782	-0.00031			
L2558314-06K	1	100	0.10428	0.01285			
CCV NO3	1	S2	1.03497	-0.00269			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.03921	1.04410			
Known Conc:			0.00000	1.00000			
CCB	1	S1	0.01210	-0.00338			
Known Conc:			0.00000	0.00000			
L2558314-02K	1	96	13.17455	-0.01221	5.00		
L2558314-03K	1	97	1.86652	-0.00362			
L2558314-07K	1	101	0.92501	-0.00159			
L2558314-08K	1	102	6.78847	-0.00064			
L2558436-01G	1	103	0.06411	0.01150			
WG2115801-3	1	104	0.04100	0.01132			
WG2115801-4	1	105	3.92432	0.01349			
L2558436-02G	1	106	0.05574	0.00124			
L2558436-03G	1	107	0.23422	0.00876			
L2558436-04G	1	108	0.06837	0.00188			
CCV NO3	1	S2	1.03214	-0.00212			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.03809	1.04973			
Known Conc:			0.00000	1.00000			
CCB	1	S1	0.00965	-0.00812			
Known Conc:			0.00000	0.00000			
L2558436-05G	1	109	0.31906	-0.00013			
L2558436-06G	1	110	0.05903	0.01393			
L2558436-07G	1	111	0.03244	-0.00156			
L2558436-08G	1	112	0.10559	0.01004			
L2558436-09G	1	113	0.03125	-0.00155			
L2558436-10G	1	114	0.11887	0.00831			
L2558396-01K	1	115	0.04305	-0.00480			
WG2115806-3	1	116	-0.00637	-0.00123			
WG2115806-4	1	117	4.08024	0.00269			
L2558396-02K	1	118	0.43148	-0.00089			
CCV NO3	1	S2	1.03071	-0.00378			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.04805	1.05704			
Known Conc:			0.00000	1.00000			
CCB	1	S1	0.00639	-0.00275			
Known Conc:			0.00000	0.00000			
L2558396-03K	1	119	0.60926	0.02789			
L2558396-04K	1	120	0.79911	-0.00268			
L2558396-05I	1	121	0.32006	-0.00023			

L2558396-06K	1	122	0.03584	-0.00139			
L2558396-07I	1	123	0.03993	0.00465			
L2558396-08I	1	124	0.03700	0.00574			
L2558396-09K	1	125	0.04100	-0.00035			
L2558396-10K	1	126	0.03253	-0.00261			
L2558396-11K	1	127	0.14615	-0.00241			
L2558396-12K	1	128	0.02849	-0.00161			
CCV NO3	1	S2	1.04054	-0.00393			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.05256	1.05698			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01854	-0.00235			
Known Conc:			0.00000	0.00000			
L2558233-01Z; MTX	1	129	-0.20923	0.06248	10.00		
CCV NO3	1	S2	1.04395	-0.00629			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.04194	1.04552			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01049	-0.00597			
Known Conc:			0.00000	0.00000			

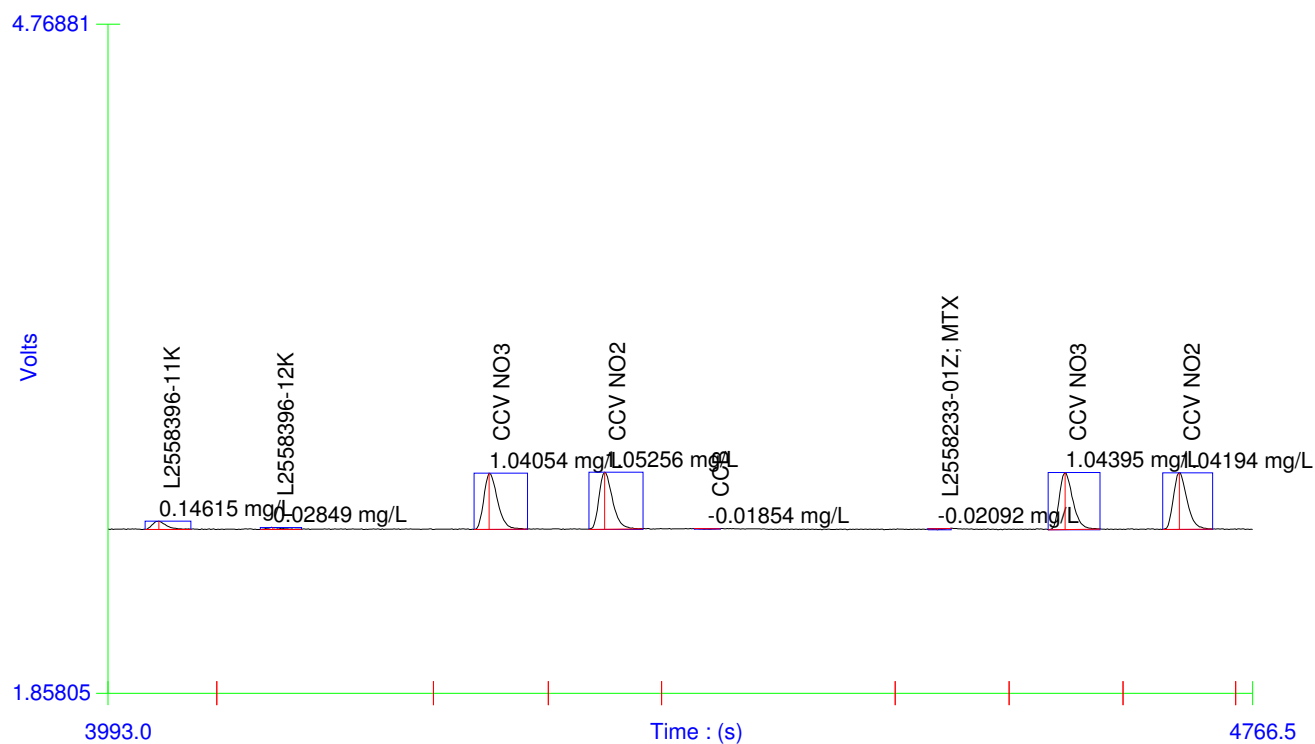
Channel 1 (NO3+NO2) - Set: 1 / 6



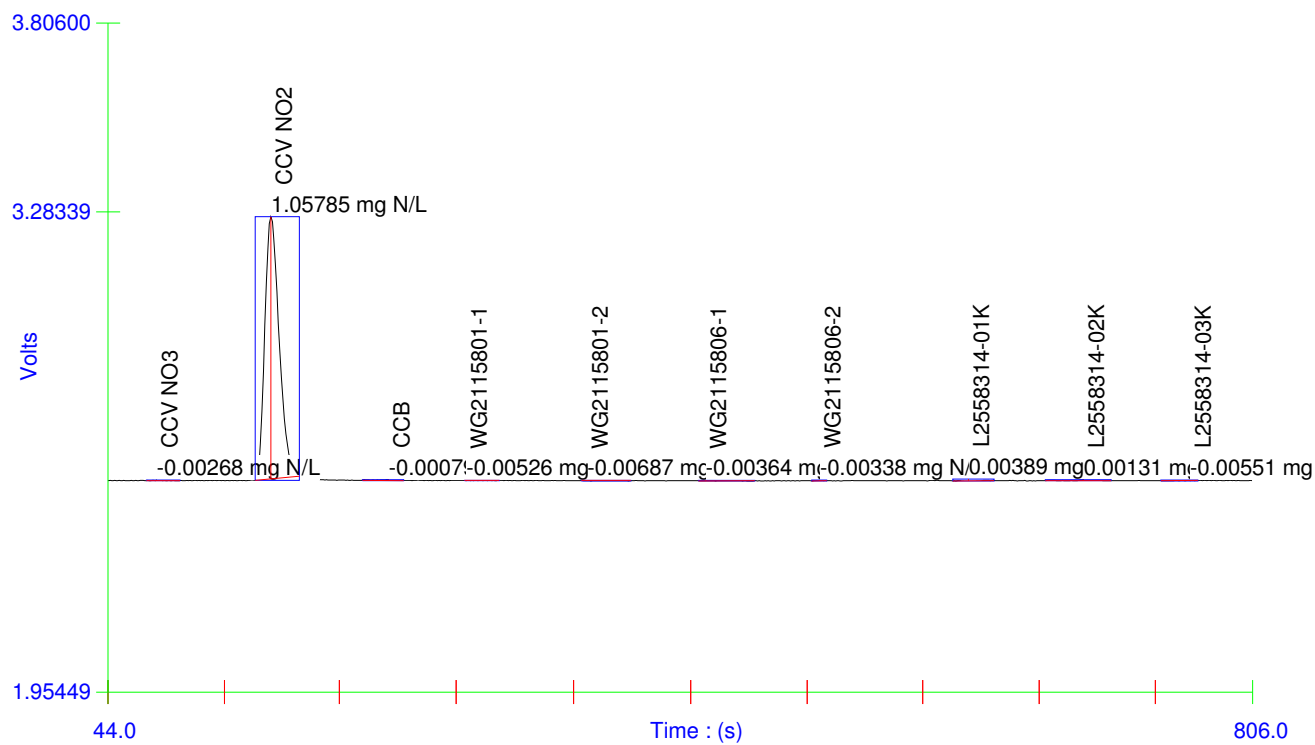
Channel 1 (NO₃+NO₂) - Set: 2 / 6Channel 1 (NO₃+NO₂) - Set: 3 / 6

Channel 1 (NO₃+NO₂) - Set: 4 / 6Channel 1 (NO₃+NO₂) - Set: 5 / 6

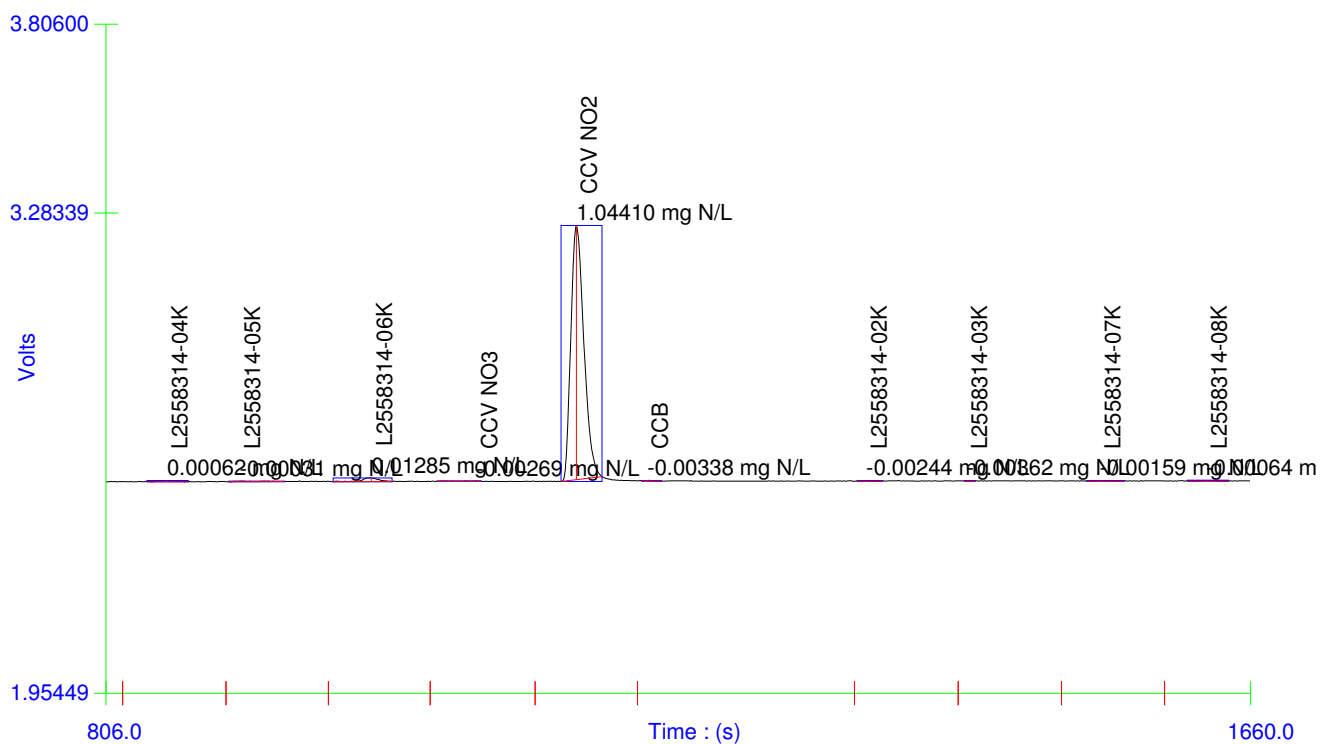
Channel 1 (NO3+NO2) - Set: 6 / 6



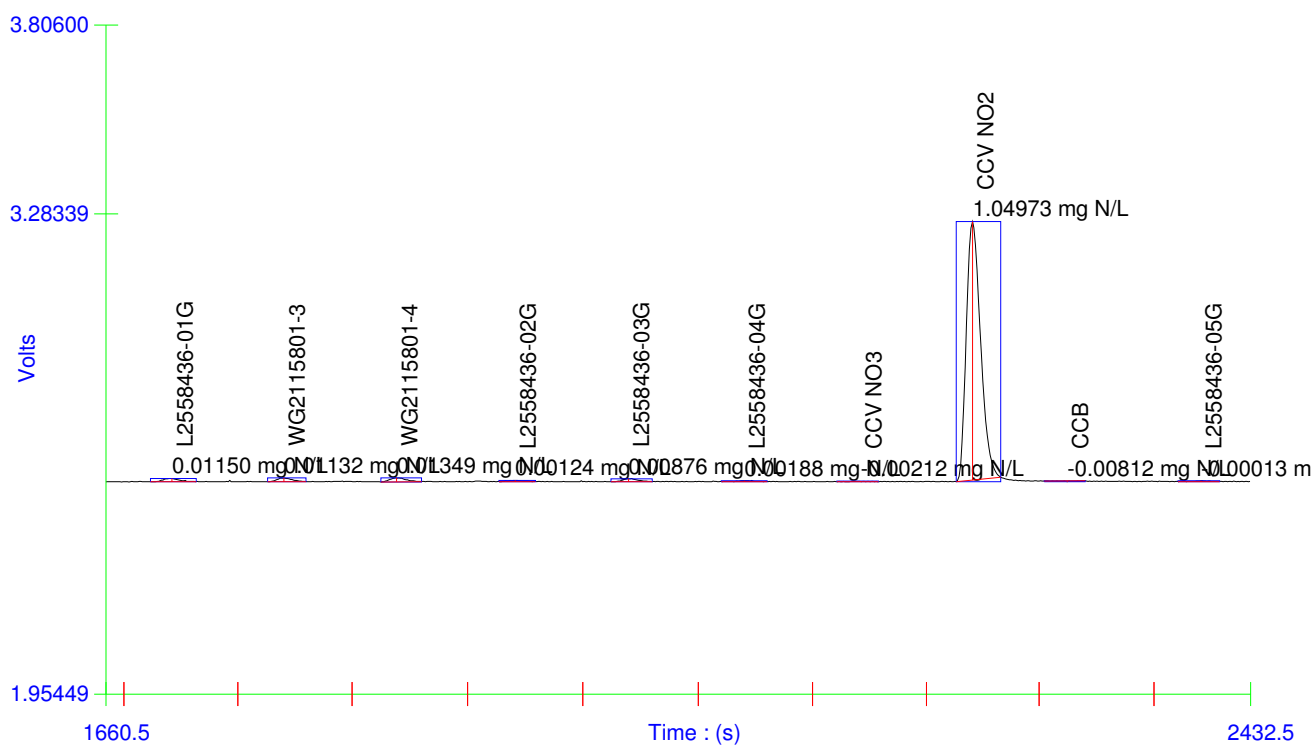
Channel 2 (NO2) - Set: 1 / 6



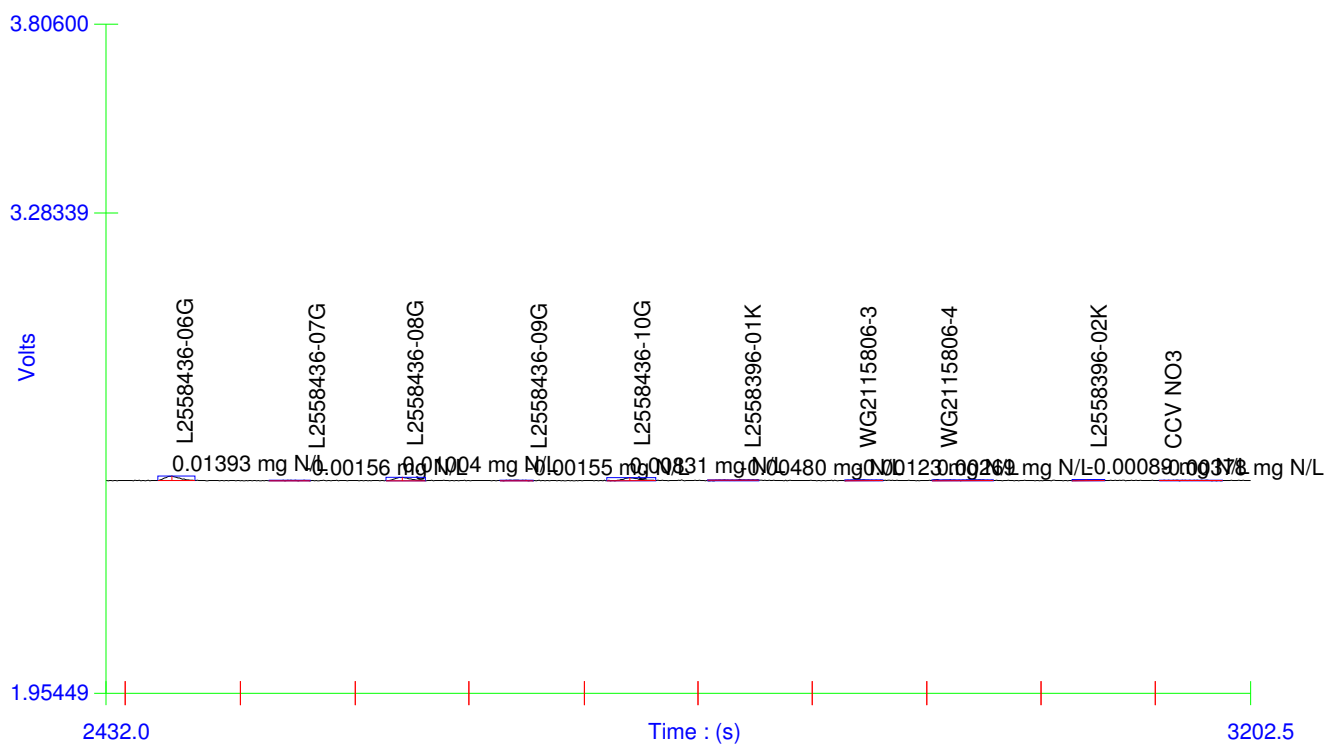
Channel 2 (NO2) - Set: 2 / 6



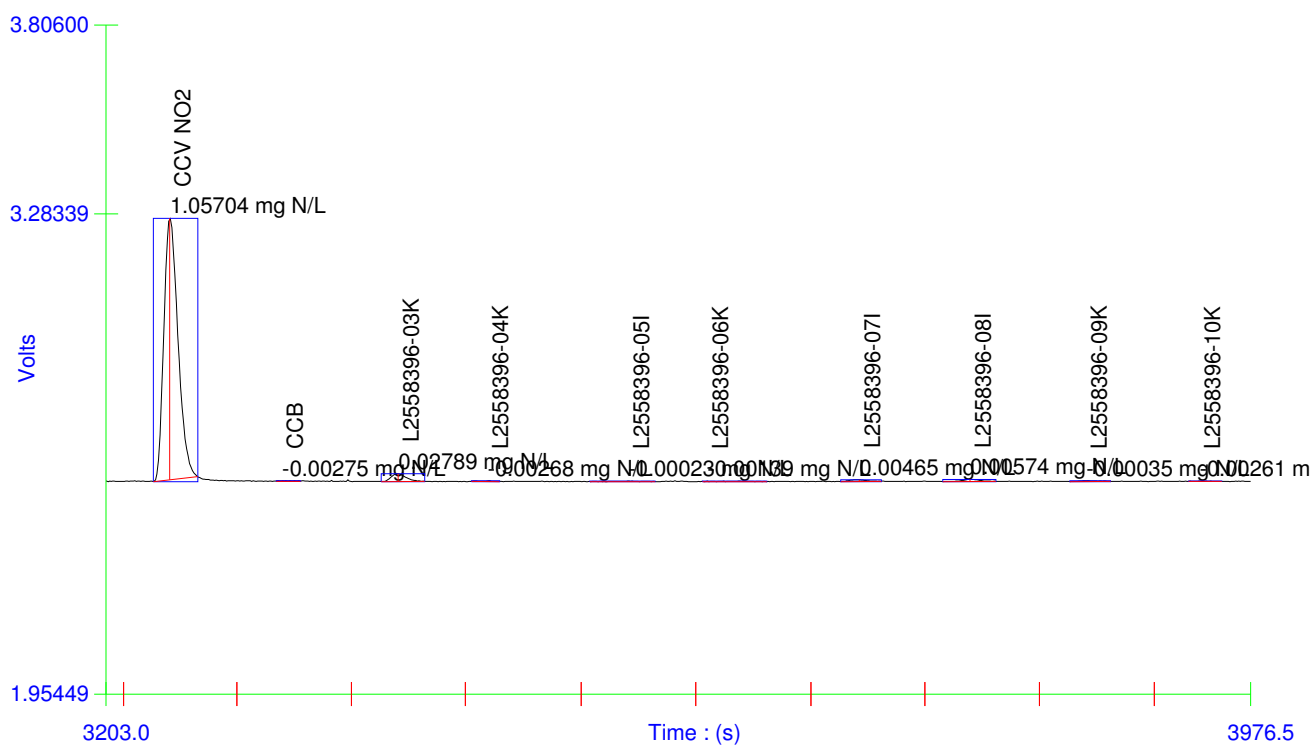
Channel 2 (NO2) - Set: 3 / 6



Channel 2 (NO2) - Set: 4 / 6



Channel 2 (NO2) - Set: 5 / 6



Channel 2 (NO2) - Set: 6 / 6

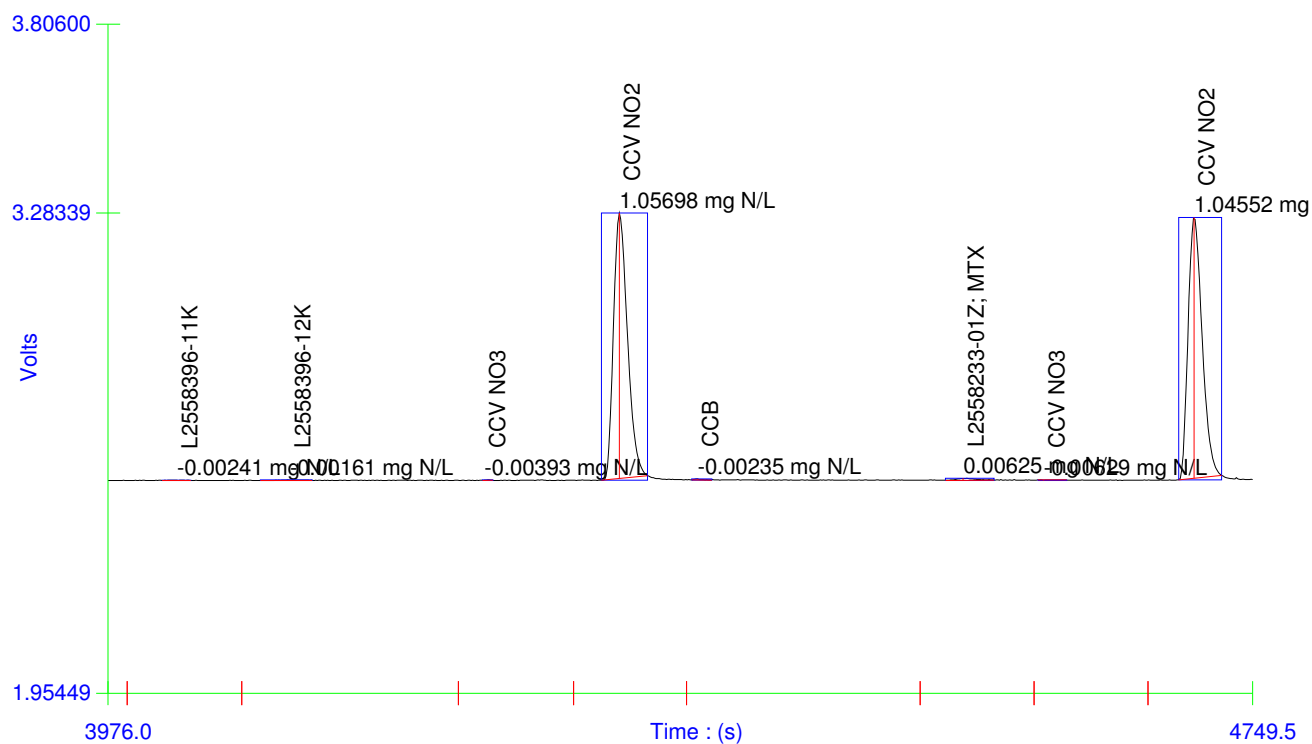


Table : 1 (Nitrite)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	8.00000	1	58.88095	5.06298	0.0	2.4	7.79913	9/17/2025	3:13:40 AM
2	4.00000	1	31.28073	2.82087	0.0	-3.6	4.14123	9/17/2025	3:14:58 AM
3	1.00000	1	7.75534	0.70235	0.0	-2.4	1.02338	9/17/2025	3:16:15 AM
4	0.40000	1	3.22107	0.28690	0.0	-5.6	0.42245	9/17/2025	3:17:33 AM
5	0.10000	1	0.81096	0.07058	0.0	-2.9	0.10303	9/17/2025	3:18:51 AM
6	0.05000	1	0.39881	0.03516	0.0	3.0	0.04841	9/17/2025	3:20:09 AM
7	0.00000	1	0.00027	-0.00132			-0.00441	9/17/2025	3:21:26 AM

Figure : 1 (Nitrite)

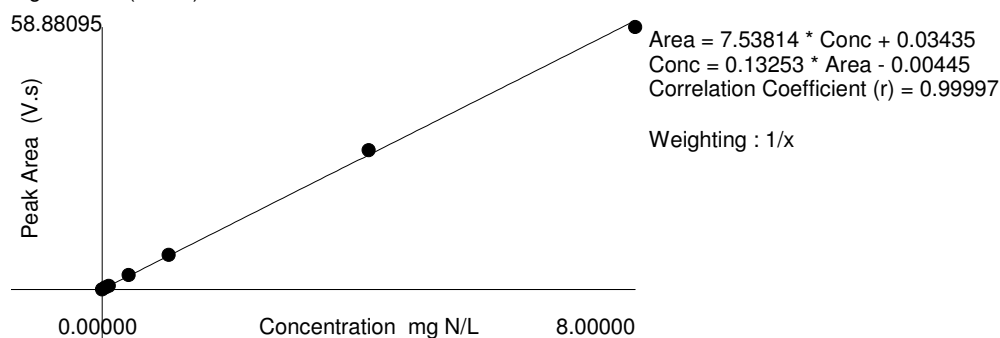
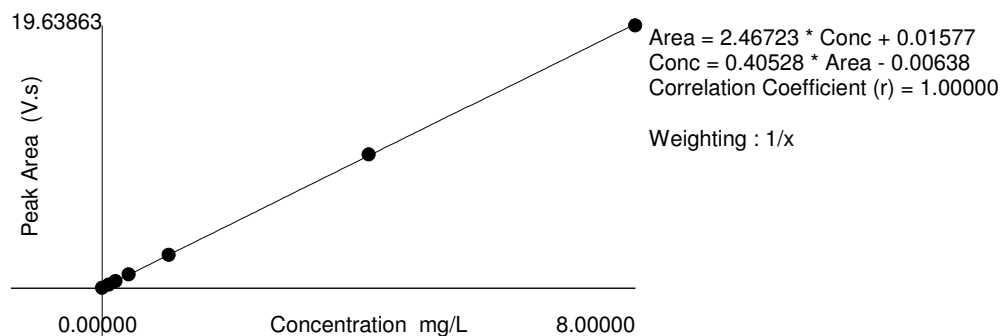


Table : 2 (NO3+NO2)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	8.00000	1	19.63863	1.85497	0.0	0.6	7.95282	9/17/2025	3:04:36 AM
2	4.00000	1	9.98512	0.95466	0.0	-1.0	4.04042	9/17/2025	3:05:55 AM
3	1.00000	1	2.48648	0.23633	0.0	-0.1	1.00135	9/17/2025	3:07:12 AM
4	0.40000	1	1.02121	0.09613	0.0	-1.9	0.40750	9/17/2025	3:08:30 AM
5	0.20000	1	0.50900	0.04729	0.0	0.0	0.19991	9/17/2025	3:09:48 AM
6	0.10000	1	0.25526	0.02372	0.0	2.8	0.09708	9/17/2025	3:11:07 AM
7	0.00000	1	0.01705	0.00126			0.00053	9/17/2025	3:12:23 AM

Figure : 2 (NO3+NO2)



Quality Control

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : L2558027-01
 Matrix Spike : WG2115738-4
 Matrix Spike Dup :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/17/25 05:04
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Nitrogen, Nitrate/Nitrite	0.051J	4	4.8	120					80-120	20



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/17/25 05:02
Dup Sample ID	: WG2115738-3	DUP Analysis Date	: 09/17/25 05:03

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate/Nitrite	0.051J	ND	NC	20



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2115738-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/17/25 04:02
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Nitrate/Nitrite	5.00	4.90	98.					90-110	20



Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Nitrogen, Nitrate

Aqueous Samples:

Compute sample N in NO₃ concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 1 (NO₃+NO₂) and Channel 2 (NO₂)

$$\text{NO}_3 \text{ mg/I} = (\text{NO}_3 + \text{NO}_2) \text{ mg/L} - (\text{NO}_2) \text{ mg/L}$$

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(\text{NO}_3)\text{-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Calculations of Nitrogen, Nitrite

Aqueous Samples:

Compute sample N in NO₂ concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (NO₂)

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(\text{NO}_2)\text{-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

Date:	Initials:	Syringe Lot: 20230620
091725	KAF	Filter Lot: 18048470A

Rack #	Sample ID:	Comments:
1	ICV NO3 5	<i>Buffer: NO3NO2_091625_BUFFER</i>
2	ICV NO2 5	<i>Color: NO3NO2_091025_COLOR</i>
3	ICV NO3 0.5	<i>NO3 MS: NO3_090425_200PPM_CAL</i>
4	ICV NO2 0.5	<i>NO2 MS: NO2_072625_200PPM_CAL</i>
5	ICB	<i>ICV NO3 5: NO3_091325_5PPM_ICV</i>
6	5X DILUTER CHECK	<i>ICV NO2 5: NO2_091625_5PPM_ICV</i>
7	BLNK NO3	<i>ICV NO3 0.5: NO3_091725_0.5PPM_ICV</i>
8	LCS NO3	<i>ICV NO2 0.5: NO2_091725_0.5PPM_ICV</i>
9	BLNK NO2	
10	LCS NO2	
11	WG2115726-1	
12	WG2115726-2	
13	WG2115727-1	
14	WG2115727-2	
15	WG2115728-1	
16	WG2115728-2	
17	WG2115732-1	
18	WG2115732-2	
19	WG2115736-1	
20	WG2115736-2	
21	WG2115738-1	
22	WG2115738-2	
23	L2558026-01N	
24	WG2115728-5	
25	WG2115728-6	
26	L2558026-02N	
27	L2558026-03N	
28	L2558026-04N	
29	L2558026-05N	
30	L2558026-06N	
31	L2558154-01A	
32	WG2115728-3	
33	WG2115728-4	
34	WG2115726-3	
35	WG2115726-4	
36	L2558327-01B	
37	L2558328-01B	
38	L2558329-01B	
39	L2558332-02B	
40	L2558326-01C	
41	WG2115736-3	
42	WG2115736-4	
43	WG2115726-5	

Rack #	Sample ID:	Comments:
44	WG2115726-6	
45	L2558326-02C	
46	L2558326-03C	
47	L2558326-04C	
48	L2558326-05C	
49	L2558326-06C	
50	L2558326-07C	
51	L2558326-08C	
52	L2558326-09C	
53	L2558027-01A	
54	WG2115738-3	
55	WG2115738-4	
56	L2558027-02A	
57	L2558205-01G	
58	WG2115732-3	
59	WG2115732-4	
60	L2558205-01G	
61	WG2115732-3	
62	L2558205-02G	
63	L2558205-03G	
64	L2558334-01G	
65	L2558334-02G	
66	L2558334-03G	
67	L2558413-03J	
68	L2558413-07J	
69	L2558445-04I	
70	L2558445-05I	
71	L2558199-02T	
72	L2558203-02T	
73	L2558203-03T	
74	L2558323-01K	
75	WG2115736-5	
76	WG2115736-6	
77	L2558323-02K	
78	L2557021-01A	
79	L2557023-01A	
80	L2557529-01R	
81	L2557529-02R	
82	L2557076-02O	
83	L2557076-03O	
84	L2557076-04O	
85	L2557076-05O	
86	L2557076-06O	
87	L2557076-07O	
88	L2557076-08O	
89	L2557076-09O	

Rack #	Sample ID:	Comments:
90	L2557076-10O	
91	WG2115801-1	
92	WG2115801-2	
93	WG2115806-1	
94	WG2115806-2	
95	L2558314-01K	
96	L2558314-02K	
97	L2558314-03K	
98	L2558314-04K	
99	L2558314-05K	
100	L2558314-06K	
101	L2558314-07K	
102	L2558314-08K	
103	L2558436-01G	
104	WG2115801-3	
105	WG2115801-4	
106	L2558436-02G	
107	L2558436-03G	
108	L2558436-04G	
109	L2558436-05G	
110	L2558436-06G	
111	L2558436-07G	
112	L2558436-08G	
113	L2558436-09G	
114	L2558436-10G	
115	L2558396-01K	
116	WG2115806-3	
117	WG2115806-4	
118	L2558396-02K	
119	L2558396-03K	
120	L2558396-04K	
121	L2558396-05I	
122	L2558396-06K	
123	L2558396-07I	
124	L2558396-08I	
125	L2558396-09K	
126	L2558396-10K	
127	L2558396-11K	
128	L2558396-12K	
129	L2558233-01Z	

Total Dissolved Solids Analysis

Results

Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-02
Client ID : FIELD BLANK
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,2540C
Lab File ID : WG2115646.pdf
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 11:40
Date Received : 09/10/25
Date Analyzed : 09/16/25 18:52
Dilution Factor : 1.3
Analyst : REM
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	7.5	13	4.0	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-03
 Client ID : 5A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115646.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/16/25 18:52
 Dilution Factor : 1.3
 Analyst : REM
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	120	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-04
 Client ID : 5B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115646.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/16/25 18:52
 Dilution Factor : 1.3
 Analyst : REM
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	120	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-05
 Client ID : 6A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115844.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:00
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 07:50
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	160	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115844.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 07:50
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	140	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-07
 Client ID : 7A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115844.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:40
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 07:50
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	240	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115844.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 07:50
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	230	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-09
 Client ID : 10A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115844.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:05
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 07:50
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	130	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-10
 Client ID : 10B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115844.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 10:55
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 07:50
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	170	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115646-1
 Client ID : WG2115646-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115646.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/16/25 18:52
 Dilution Factor : 1
 Analyst : REM
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	ND	10	3.1	U



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115646-3
Client ID : WG2115646-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540C
Lab File ID : WG2115646.pdf
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 09:10
Date Received : 09/10/25
Date Analyzed : 09/16/25 18:52
Dilution Factor : 1.3
Analyst : REM
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	470	13	4.0	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115646-4
Client ID : WG2115646-4 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540C
Lab File ID : WG2115646.pdf
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 08:45
Date Received : 09/10/25
Date Analyzed : 09/16/25 18:52
Dilution Factor : 1.3
Analyst : REM
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	230	13	4.0	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115844-1
Client ID : WG2115844-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540C
Lab File ID : WG2115844.pdf
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/17/25 07:50
Dilution Factor : 1
Analyst : SMD
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	ND	10	3.1	U



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2115844-3
Client ID : WG2115844-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540C
Lab File ID : WG2115844.pdf
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 08:00
Date Received : 09/10/25
Date Analyzed : 09/17/25 07:50
Dilution Factor : 1.3
Analyst : SMD
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	250	13	4.0	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2115844-4
 Client ID : WG2115844-4 DUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,2540C
 Lab File ID : WG2115844.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:35
 Date Received : 09/10/25
 Date Analyzed : 09/17/25 07:50
 Dilution Factor : 1.3
 Analyst : SMD
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	130	13	4.0	



Sample Raw Data

WorkGroup	WG2115844	Temp In (C)	180	Temp In (C)	180	Temp In (C)	180	Temp In (C)	180	Temp In (C)		Temp In (C)						
Title	Solids, Total Dissolved	Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)		Temp Out (C)		Temp Out (C)						
Method	SM2540C	Time In	18-SEP-25 06:50	Time In	18-SEP-25 10:07	Time In	18-SEP-25 13:09	Time In		Time In		Time In						
Instrument	BALANCE#22	Time Out	18-SEP-25 09:00	Time Out	18-SEP-25 12:05	Time Out	18-SEP-25 15:07	Time Out		Time Out		Time Out						
											LCS Lot #	091425-B	TrueValue	500	Units	mg/l		
											Evaporation		Temp In (C)	90	Time In	17-SEP-25 10:16		
Sample #	Analysis Date	Analyst	Cup ID	Filter Lot	Tare Weight (gm)	Sample Volume (ml)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Net Weight (5) (gm)	Result mg/L	Dil	Comment				
L2556673-08	17-SEP-25 07:50	SONJA DAYN	K1 0	84417960	69.9124	80	69.9316	69.9319				240.00	1.3					
L2556673-09	17-SEP-25 07:50	SONJA DAYN	C5	84417960	67.1952	80	67.2045	67.2043				113.75	1.3					
L2556673-10	17-SEP-25 07:50	SONJA DAYN	C2 4	84417960	64.9723	80	64.9774	64.9777				63.75	1.3					
L2556673-11	17-SEP-25 07:50	SONJA DAYN	R8	84417960	73.1964	80	73.2007	73.2006				52.50	1.3					
L2556673-12	17-SEP-25 07:50	SONJA DAYN	V7	84417960	70.6683	80	70.6798	70.6795				140.00	1.3					
L2556673-13	17-SEP-25 07:50	SONJA DAYN	EO	84417960	62.4718	80	62.4819	62.482				126.25	1.3					
L2556673-14	17-SEP-25 07:50	SONJA DAYN	EM	84417960	67.585	80	67.5903	67.5904				66.25	1.3					
L2556673-15	17-SEP-25 07:50	SONJA DAYN	V1 1	84417960	66.9933	100	66.9929	66.9931				-4.00	1	FB				
L2557076-05	17-SEP-25 07:50	SONJA DAYN	R7	84417960	71.8707	80	71.8837	71.8841				162.50	1.3	T2				
L2557076-06	17-SEP-25 07:50	SONJA DAYN	FW	84417960	67.0808	80	67.0921	67.0922				141.25	1.3					
L2557076-07	17-SEP-25 07:50	SONJA DAYN	Z23	84417960	61.8848	80	61.9039	61.904				238.75	1.3					
L2557076-08	17-SEP-25 07:50	SONJA DAYN	EB	84417960	71.0503	80	71.069	71.0692				233.75	1.3					
L2557076-09	17-SEP-25 07:50	SONJA DAYN	EL	84417960	66.3078	80	66.318	66.3179				126.25	1.3					
L2557076-10	17-SEP-25 07:50	SONJA DAYN	C2 1	84417960	59.3978	80	59.4111	59.4114				166.25	1.3					
L2557584-01	17-SEP-25 07:50	SONJA DAYN	Z10	84417960	63.7216	100	63.7237	63.7241				21.00	1					
L2557613-02	17-SEP-25 07:50	SONJA DAYN	C4 1	84417960	69.2373	80	69.3316	69.3315				1177.50	1.3					
L2558308-01	17-SEP-25 07:50	SONJA DAYN	R1	84417960	70.5467	35	70.7196	70.7199				4940.00	2.9					
L2558310-01	17-SEP-25 07:50	SONJA DAYN	DX	84417960	64.6918	35	67.0877	67.0661	67.0327			66882.86	2.9					
L2558323-01	17-SEP-25 07:50	SONJA DAYN	M	84417960	63.5171	80	63.6453	63.6449				1597.50	1.3					
L2558323-02	17-SEP-25 07:50	SONJA DAYN	ED	84417960	62.0693	80	62.1579	62.1582				1107.50	1.3					
WG2115844-1	17-SEP-25 07:50	SONJA DAYN	C4	84417960	65.8806	100	65.8802	65.8801				-5.00	1					
WG2115844-2	17-SEP-25 07:50	SONJA DAYN	FD	84417960	66.0987	50	66.1239	66.1243				504.00	2					

WorkGroup	WG2115844	Temp In (C)	180	Temp In (C)	180	Temp In (C)	180	Temp In (C)		Temp In (C)		
Title	Solids, Total Dissolved	Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)		Temp Out (C)		
Method	SM2540C	Time In	18-SEP-25 06:50	Time In	18-SEP-25 10:07	Time In	18-SEP-25 13:09	Time In		Time In		
Instrument	BALANCE#22	Time Out	18-SEP-25 09:00	Time Out	18-SEP-25 12:05	Time Out	18-SEP-25 15:07	Time Out		Time Out		
		Temp In (C)	90	Time In	17-SEP-25 10:16				LCS Lot #	TrueValue	Units	
									091425-B	500	mg/l	
Sample #	Analysis Date	Analyst	Cup ID			Sample Volume (ml)				Result mg/L	Dil	Comment
WG2115844-3	17-SEP-25 07:50	SONJA DAYN	L8	84417960	72.1005	80	72.1208	72.1207		252.50	1.3	
WG2115844-4	17-SEP-25 07:50	SONJA DAYN	V13	84417960	70.7171	80	70.7274	70.7275		128.75	1.3	

WorkGroup	WG2115646			Temp In (C)	180	Temp In (C)	180	Temp In (C)		Temp In (C)		Temp In (C)				
Title	Solids, Total Dissolved			Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)		Temp Out (C)		Temp Out (C)				
Method	SM2540C			Time In	18-SEP-25 06:50	Time In	18-SEP-25 09:59	Time In		Time In		Time In				
Instrument	BALANCE#22			Time Out	18-SEP-25 09:00	Time Out	18-SEP-25 12:03	Time Out		Time Out		Time Out				
											LCS Lot #	082025C	TrueValue	500	Units	mg/l
Sample #	Analysis Date	Analyst	Cup ID	Filter Lot	Tare Weight (gm)	Sample Volume (ml)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Net Weight (5) (gm)	Result mg/L	Dil	Comment		
L2556886-01	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	X3	84431796	66.7848	80	66.8188	66.8191				425.00	1.3			
L2556886-02	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	Z13	84431796	65.4291	80	65.4488	65.4489				246.25	1.3			
L2556886-03	16-SEP-25 18:52	RENATA MUKHAMETZHAN2 OVA	K1	84431796	61.5727	80	61.5934	61.5938				258.75	1.3			
L2556886-04	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	K7	84431796	63.2759	80	63.2952	63.2952				241.25	1.3			
L2556886-05	16-SEP-25 18:52	RENATA MUKHAMETZHAN6 OVA	C1	84431796	61.6783	80	61.7001	61.7005				272.50	1.3			
L2556886-06	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	ET	84431796	62.8564	80	62.895	62.8952				482.50	1.3			
L2556888-01	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	Z7	84431796	68.1908	80	68.2409	68.2412				626.25	1.3			
L2556938-01	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	OW	84431796	143.9717	100	144.0082	144.008				363.00		DW		
L2556938-02	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	PW	84431796	134.8459	100	134.8759	134.8762				300.00		DW, T2		
L2556938-03	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	PS	84431796	135.3485	100	135.3818	135.3817				332.00		DW		
L2556944-01	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	SQ	84431796	139.1557	100	139.1691	139.1687				130.00		DW		
L2556949-01	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	RB	84431796	137.9225	80	138.4355	138.4351				6407.50	1.3			

WorkGroup	WG2115646	Temp In (C)	180	Temp In (C)	180	Temp In (C)	Temp In (C)	Temp In (C)	Temp In (C)	Temp In (C)			
Title	Solids, Total Dissolved	Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)	Temp Out (C)	Temp Out (C)	Temp Out (C)	Temp Out (C)			
Method	SM2540C	Time In	18-SEP-25 06:50	Time In	18-SEP-25 09:59	Time In	Time In	Time In	Time In	Time In			
Instrument	BALANCE#22	Time Out	18-SEP-25 09:00	Time Out	18-SEP-25 12:03	Time Out	Time Out	Time Out	Time Out	Time Out			
		Temp In (C)	90	Time In	16-SEP-25 20:37						LCS Lot #	TrueValue	Units
											082025C	500	mg/l
Sample #	Analysis Date	Analyst	Cup ID			Sample Volume (ml)					Result mg/L	Dil	Comment
L2556949-02	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	EJ	84431796	62.6817	80	63.1497	63.1495			5847.50	1.3	
L2556949-03	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	MB	84431796	142.3819	80	142.8882	142.8878			6323.75	1.3	
L2556962-01	16-SEP-25 18:52	RENATA MUKHAMETZHANZ OVA	AD	84431796	128.7872	80	128.7952	128.7952			100.00	1.3	
L2556962-02	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	XM	84431796	128.5442	80	128.5517	128.5515			91.25	1.3	
L2557031-01	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	XE	84431796	139.0504	100	139.0637	139.0633			129.00		DW
L2557076-02	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	F	84431796	59.2095	80	59.2101	59.2104			7.50	1.3	
L2557076-03	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	BQ	84431796	147.3164	80	147.3263	147.3259			118.75	1.3	
L2557076-04	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	RG	84431796	137.0678	80	137.0774	137.0776			120.00	1.3	
WG2115646-1	16-SEP-25 18:52	RENATA MUKHAMETZHAN3 OVA	C1	84431796	67.6803	100	67.6809	67.6806			3.00	1	
WG2115646-2	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	ER	84431796	63.6195	50	63.6456	63.6453			516.00	2	
WG2115646-3	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	R5	84431796	63.3545	80	63.3918	63.3921			466.25	1.3	
WG2115646-4	16-SEP-25 18:52	RENATA MUKHAMETZHAN OVA	XII	84431796	70.0558	80	70.0745	70.0748			233.75	1.3	

Quality Control

Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: DW
Lab Sample ID	: NA	Analysis Date	: 09/16/25 18:52
Dup Sample ID	: WG2115646-3	DUP Analysis Date	: 09/16/25 18:52

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	420	470	11 Q	10



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: DW
Lab Sample ID	: NA	Analysis Date	: 09/16/25 18:52
Dup Sample ID	: WG2115646-4	DUP Analysis Date	: 09/16/25 18:52

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	250	230	8	10



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: DW
Lab Sample ID	: NA	Analysis Date	: 09/17/25 07:50
Dup Sample ID	: WG2115844-3	DUP Analysis Date	: 09/17/25 07:50

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	240	250	4	10



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: DW
Lab Sample ID	: NA	Analysis Date	: 09/17/25 07:50
Dup Sample ID	: WG2115844-4	DUP Analysis Date	: 09/17/25 07:50

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	110	130	17 Q	10



Form 7 Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2115646-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : DW
 LCS Analysis Date : 09/16/25 18:52
 LCSD Analysis Date:

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Solids, Total Dissolved	500.	520.	103.					80-120	10



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2115844-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : DW
 LCS Analysis Date : 09/17/25 07:50
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Solids, Total Dissolved	500.	500.	101.					80-120	10



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of TDS

$$\text{mgTDS/L} = \frac{(A - B) \times 1000}{\text{Sample volume, (L)}}$$

Where:

A = Final weight (weight of dish + dried residue, g)

B = Initial weight (weight of clean dish, g)

Sulfate Analysis

Results

Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-02
Client ID : FIELD BLANK
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117099.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 11:40
Date Received : 09/10/25
Date Analyzed : 09/19/25 14:00
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	2.0	10	1.4	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-03
Client ID : 5A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117099.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 12:20
Date Received : 09/10/25
Date Analyzed : 09/19/25 14:00
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	16.	10	1.4	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-04
Client ID : 5B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117099.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 12:20
Date Received : 09/10/25
Date Analyzed : 09/19/25 14:00
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	14.	10	1.4	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-05
 Client ID : 6A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500SO4-E
 Lab File ID : WG2117099.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:00
 Date Received : 09/10/25
 Date Analyzed : 09/19/25 14:00
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : SPEC6
 %Solids : N/A
 Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	17.	10	1.4	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500SO4-E
 Lab File ID : WG2117099.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/19/25 14:00
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : SPEC6
 %Solids : N/A
 Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	11.	10	1.4	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-07
Client ID : 7A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117099.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 09:40
Date Received : 09/10/25
Date Analyzed : 09/19/25 14:00
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	28.	10	1.4	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500SO4-E
 Lab File ID : WG2117099.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/19/25 14:00
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : SPEC6
 %Solids : N/A
 Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	25.	10	1.4	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-09
Client ID : 10A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117099.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 11:05
Date Received : 09/10/25
Date Analyzed : 09/19/25 14:00
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	12.	10	1.4	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-10
Client ID : 10B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117099.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 10:55
Date Received : 09/10/25
Date Analyzed : 09/19/25 14:00
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	18.	10	1.4	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2117099-1
 Client ID : WG2117099-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,4500SO4-E
 Lab File ID : WG2117099.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/19/25 14:00
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : SPEC6
 %Solids : N/A
 Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	2.4	10	1.4	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2117099-3
Client ID : WG2117099-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2117099.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/16/25 12:50
Date Received : 09/16/25
Date Analyzed : 09/19/25 14:00
Dilution Factor : 10
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/19/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	200	100	14.	



Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
S U L F A T E

Last Change 3/5/13
File SO4-L.xlt
Curve/spike/ccv;WC-3646
LCS;WC-3587
Reagent;lot A4230

Sample Number: _____ Product: SO4-4500
Curve Calibration Date : 09/19/25
Client: _____ Curve Identifier: 9/19/2025
Analysis: Sulfate, SO4 Analysis Analyte: Sulfate
Method: SM 4500SO4-E Analysis Date: 9/19/2025 14:00
Instrument: SPEC6 Preparation Date: 9/19/2025 14:00
Wavelength: 420 nm Technician: MRW
Spike Volume(ml): 0.5 Work group: WG2117099
Spike Concentration (mg/l): 1000 RL: 10 mg/l
Cell: 2.5 cm

Standard ID	Mean signal (pk area) abs	Dilution	Calc-ed Result	Calibration Curve Volume: 25 ml
0	0.000	1.0	1.84	Slope y-intercept
10	0.126	1.0	8.06	0.020240 -0.0372
20	0.352	1.0	19.2	
40	0.790	1.0	40.9	Correlation Coefficient 0.995190
ICV/LCS Concentration (mg/l) = 20.0000				

	Sample number	Sample Volume (ml)	Final Volume (ml)	Bkgd. Abs.	Gross Abs.	Net Absorbance	RESULT (mg/l)	Dilution Factor	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	25	25	0	0.008	0.008	2.380	1	1.0	2.4	Recovery
	ICV	25	25	0	0.403	0.403	21.708	1	1.0	21.7	
SAMP	L2556727-02	1	25	0.007	0.222	0.215	12.509	1	25.0	312.7	109%
SAMP	L2557076-02	25	25	0.006	0.006	0.000	1.988	1	1.0	2.0	
SAMP	L2557076-03	25	25	0.006	0.291	0.285	15.934	1	1.0	15.9	
SAMP	L2557076-04	25	25	0.011	0.261	0.250	14.221	1	1.0	14.2	
SAMP	L2557076-05	25	25	0.005	0.316	0.311	17.206	1	1.0	17.2	
SAMP	L2557076-06	25	25	0.005	0.198	0.193	11.432	1	1.0	11.4	
SAMP	L2557076-07	25	25	0.006	0.532	0.526	27.727	1	1.0	27.7	
SAMP	L2557076-08	25	25	0.007	0.476	0.469	24.938	1	1.0	24.9	
SAMP	L2557076-09	25	25	0.003	0.213	0.210	12.264	1	1.0	12.3	
SAMP	L2557076-10	25	25	0.006	0.325	0.319	17.598	1	1.0	17.6	
	CCV1	25	25	0	0.399	0.399	21.512	1	1.0	21.5	FILTERED
	CCB1	25	25	0	0.006	0.006	2.282	1	1.0	2.3	
SAMP	L2558072-01	2	25	0.02	0.524	0.504	26.650	1	12.5	333.1	
SAMP	L2558072-02	2.5	25	0.012	0.424	0.412	22.149	1	10.0	221.5	
SAMP	L2558072-03	1	25	0.133	0.75	0.617	32.180	1	25.0	804.5	
SAMP	L2558072-04	2	25	0.019	0.486	0.467	24.840	1	12.5	310.5	
SAMP	L2558072-06	1	25	0.01	0.384	0.374	20.289	1	25.0	507.2	
SAMP	L2558072-07	2	25	0.018	0.477	0.459	24.448	1	12.5	305.6	
SAMP	L2558413-03	25	25	0.028	0.376	0.348	19.017	1	1.0	19.0	
SAMP	L2558413-07	25	25	0.154	0.563	0.409	22.002	1	1.0	22.0	
	CCV2	25	25	0	0.398	0.398	21.464	1	1.0	21.5	L2558445-01
	CCB2	25	25	0	0.009	0.009	2.429	1	1.0	2.4	
SAMP	L2558445-01	2.5	25	0.015	0.382	0.367	19.947	1	10.0	199.5	
SAMP	L2558445-02	0.5	25	0.012	0.434	0.422	22.638	1	50.0	1131.9	
	CCV3	25	25	0	0.396	0.396	21.366	1	1.0	21.4	
	CCB3	25	25	0	0.008	0.008	2.380	1	1.0	2.4	
BLANK	WG2117099-1	25	25	0.000	0.008	0.008	2.380	1	1.0	2.4	
DUP	WG2117099-3	2.5	25	0.015	0.387	0.372	20.191	1	10.0	201.9	
	sample	Final	Bkgd.	Gross		Sample	Spiked	Spike conc.	Spike	Recovery	
	Sample number	volume	volume (ml)	Abs.	Absorbance	Result mg/l	Volume	mg/l	Result mg/l	%	
MS	WG2117099-4	1.25	25	0.012	0.616	0.604	199.500	1.25	400.0000	631	108
LCS	WG2117099-2	25	25	0	0.403	0.403		1	20.0000	22	109

Quality Control

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : L2558445-01
 Matrix Spike : WG2117099-4
 Matrix Spike Dup :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/19/25 14:00
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Sulfate	200	400	630	108					55-147	14



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/19/25 14:00
Dup Sample ID	: WG2117099-3	DUP Analysis Date	: 09/19/25 14:00

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Sulfate	200	200	0	14



Form 7 Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2117099-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/19/25 14:00
 LCSD Analysis Date:

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Sulfate	20.0	22.0	110.					90-110	14



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Sulfate

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve.

$$\text{mgSO}_4/\text{L} = \frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

If sample has a background absorbance, it has to be subtracted before calculation.

Alkalinity Analysis

Results

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-02
 Client ID : FIELD BLANK
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:40
 Date Received : 09/10/25
 Date Analyzed : 09/23/25 13:57
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	ND	2.00	NA	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-03
 Client ID : 5A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/23/25 13:58
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	62.3	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-04
 Client ID : 5B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/23/25 14:00
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	40.5	2.00	NA	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-05
Client ID : 6A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,2320B
Lab File ID : ALK250923-2
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 08:00
Date Received : 09/10/25
Date Analyzed : 09/23/25 14:02
Dilution Factor : 1
Analyst : MRW
Instrument ID : TITR5
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	98.0	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/23/25 14:06
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	57.2	2.00	NA	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-07
Client ID : 7A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,2320B
Lab File ID : ALK250923-2
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 09:40
Date Received : 09/10/25
Date Analyzed : 09/23/25 14:08
Dilution Factor : 1
Analyst : MRW
Instrument ID : TITR5
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	167.	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/23/25 14:13
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	155.	2.00	NA	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-09
Client ID : 10A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,2320B
Lab File ID : ALK250923-2
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 11:05
Date Received : 09/10/25
Date Analyzed : 09/23/25 14:17
Dilution Factor : 1
Analyst : MRW
Instrument ID : TITR5
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	38.9	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-10
 Client ID : 10B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 10:55
 Date Received : 09/10/25
 Date Analyzed : 09/23/25 14:19
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	26.3	2.00	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2118356-1
 Client ID : WG2118356-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/23/25 12:48
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	ND	2.00	NA	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2118356-3
 Client ID : WG2118356-3 DUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : ALK250923-2
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/09/25 12:45
 Date Received : 09/09/25
 Date Analyzed : 09/23/25 13:10
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
71-52-3	Alkalinity, Bicarbonate	33.5	2.00	NA	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U



Sample Raw Data

Titration report

LabX

Method

Method ID	pH Cal. 7 4 10	Release state	Released
Name	Calibration	Modified by	SystemInternal
Modified on	10/3/2023 12:47:09 PM		

Summary

Samples

	Sample ID	Name	Result	State
1	METTLER TOLEDO (Ref. 25°C) pH	pH	7.00	
2	METTLER TOLEDO (Ref. 25°C) pH	pH	4.01	
3	METTLER TOLEDO (Ref. 25°C) pH	pH	10.00	

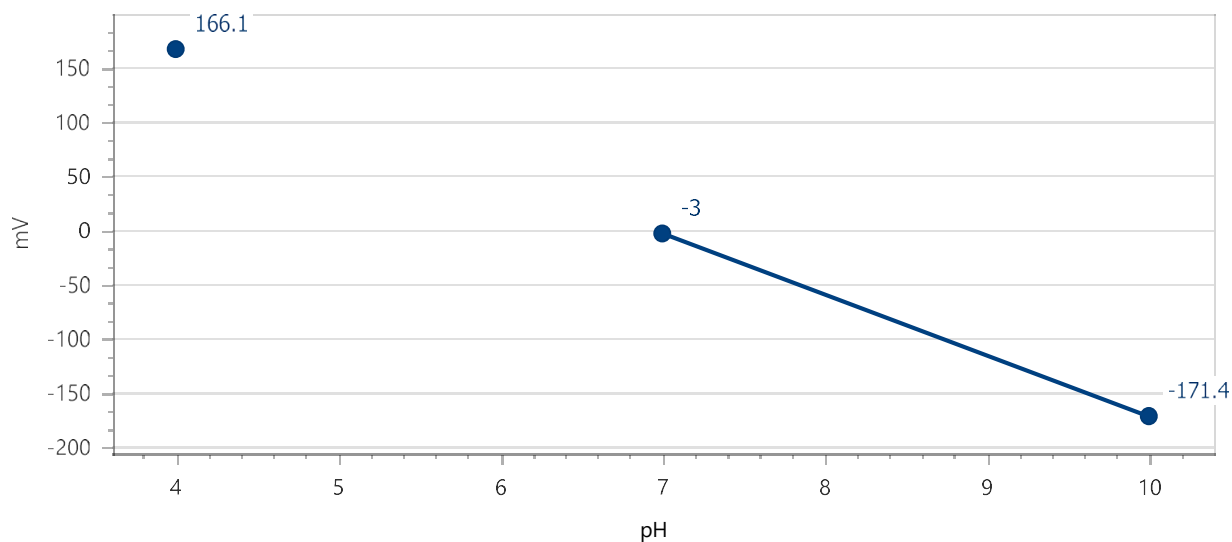
Results

Zero point 1 Cal1.Z1 6.954 pH
Slope 1 Cal1.S1 -56.34 mV/pH

Calibration

Sensor Sensor DG111-SC
Creation time 9/23/2025 8:29:39 AM
Overall state OK
Successful Yes
Calib. temperature 25.0 °C
SLOPECal -56.34 mV/pH
ZEROCal 6.954 pH

Calibration Curve



Used Instruments

Titration report



Name	T7 Excellence Titrator	Serial number	C329519495
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Responsible User

Time	Login name	Full name
9/23/2025 8:25:10 AM	SystemInternal	System internal account

Titration report



Method

Method ID	pH Measure	Release state	Released
Name	Measure	Modified by	SystemInternal
Modified on	2/23/2024 9:31:05 AM		

Summary

Samples

Sample ID		Name	Result	State
1	--	Sample size	0 mL	
		Potential R1	6.99 pH	OK

Used Instruments

Name	T7 Excellence Titrator	Serial number	C329519495
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Responsible User

Time	Login name	Full name
9/23/2025 8:25:16 AM	SystemInternal	System internal account

Titration report



Method

Method ID	Alk Total (2)	Release state	Released
Name	EP/EP	Modified by	SystemInternal
Modified on	3/26/2025 11:25:13 AM		

Summary

Samples

	Sample ID	Name	Result	State
1	Rinse,MRW	Sample size	50 mL	
		Potential R4	7.20 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.177 mL	OK
		Consumption 4.2 R3	1.181 mL	OK
		Content R5	23.540 mg/L	OK
		ALK LOW R6	23.460 mg/L	OK
2	Rinse,MRW	Sample size	50 mL	
		Potential R4	5.94 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.192 mL	OK
		Consumption 4.2 R3	0.202 mL	OK
		Content R5	3.840 mg/L	OK
		ALK LOW R6	3.640 mg/L	OK
3	WG2118353-1	Sample size	50 mL	
		Potential R4	5.26 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.063 mL	OK
		Consumption 4.2 R3	0.093 mL	OK
		Content R5	1.260 mg/L	OK
		ALK LOW R6	0.660 mg/L	OK
4	WG2118353-2	Sample size	50 mL	
		Potential R4	10.86 pH	OK
		Consumption 8.3 R1	4.785 mL	OK
		Consumption 4.5 R2	5.186 mL	OK
		Consumption 4.2 R3	5.189 mL	OK
		Content R5	103.720 mg/L	OK
		ALK LOW R6	103.660 mg/L	OK
5	L2559562-01 50x	Sample size	50 mL	
		Potential R4	5.93 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.533 mL	OK
		Consumption 4.2 R3	2.036 mL	OK
		Content R5	30.660 mg/L	OK
		ALK LOW R6	20.600 mg/L	OK
6	L2559565-03 50x	Sample size	50 mL	

Titration report

LabX

		Potential R4	5.56 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.507 mL	OK
		Consumption 4.2 R3	3.530 mL	OK
		Content R5	70.140 mg/L	OK
		ALK LOW R6	69.680 mg/L	OK
7	L2556715-10 2x	Sample size	50 mL	
		Potential R4	6.05 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	13.785 mL	OK
		Consumption 4.2 R3	13.918 mL	OK
		Content R5	275.700 mg/L	OK
		ALK LOW R6	273.040 mg/L	OK
8	L2556715-11 2x	Sample size	50 mL	
		Potential R4	6.23 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	20.909 mL	OK
		Consumption 4.2 R3	21.165 mL	OK
		Content R5	418.180 mg/L	OK
		ALK LOW R6	413.060 mg/L	OK
9	L2556715-12 2x	Sample size	50 mL	
		Potential R4	6.06 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	14.022 mL	OK
		Consumption 4.2 R3	14.150 mL	OK
		Content R5	280.440 mg/L	OK
		ALK LOW R6	277.880 mg/L	OK
10	L2556716-01 5x	Sample size	50 mL	
		Potential R4	6.84 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	14.597 mL	OK
		Consumption 4.2 R3	14.737 mL	OK
		Content R5	291.940 mg/L	OK
		ALK LOW R6	289.140 mg/L	OK
11	L2556716-02 5x	Sample size	50 mL	
		Potential R4	5.95 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	8.780 mL	OK
		Consumption 4.2 R3	8.864 mL	OK
		Content R5	175.600 mg/L	OK
		ALK LOW R6	173.920 mg/L	OK
12	L2556673-01	Sample size	50 mL	
		Potential R4	4.97 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.594 mL	OK
		Consumption 4.2 R3	0.657 mL	OK
		Content R5	11.880 mg/L	OK

Titration report

LabX

13	L2556673-02	ALK LOW R6	10.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.20 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.419 mL	OK
		Consumption 4.2 R3	1.469 mL	OK
		Content R5	28.380 mg/L	OK
14	L2556673-03	ALK LOW R6	27.380 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.50 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.837 mL	OK
		Consumption 4.2 R3	4.954 mL	OK
		Content R5	96.740 mg/L	OK
15	L2556673-04	ALK LOW R6	94.400 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.87 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	11.934 mL	OK
		Consumption 4.2 R3	12.156 mL	OK
		Content R5	238.680 mg/L	OK
16	WG2118353-3	ALK LOW R6	234.240 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.83 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	11.796 mL	OK
		Consumption 4.2 R3	12.008 mL	OK
		Content R5	235.920 mg/L	OK
17	WG2118353-4	ALK LOW R6	231.680 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.99 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	17.157 mL	OK
		Consumption 4.2 R3	17.393 mL	OK
		Content R5	343.140 mg/L	OK
18	L2556673-05	ALK LOW R6	338.420 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.68 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.474 mL	OK
		Consumption 4.2 R3	7.635 mL	OK
		Content R5	149.480 mg/L	OK
19	L2556673-06	ALK LOW R6	146.260 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.70 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.446 mL	OK

Titration report

LabX

		Consumption 4.2 R3	7.647 mL	OK
		Content R5	148.920 mg/L	OK
		ALK LOW R6	144.900 mg/L	OK
20	L2556673-07	Sample size	50 mL	
		Potential R4	5.26 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.230 mL	OK
		Consumption 4.2 R3	0.244 mL	OK
		Content R5	4.600 mg/L	OK
		ALK LOW R6	4.320 mg/L	OK
21	L2556485-01	Sample size	50 mL	
		Potential R4	8.79 pH	OK
		Consumption 8.3 R1	2.538 mL	OK
		Consumption 4.5 R2	5.142 mL	OK
		Consumption 4.2 R3	5.147 mL	OK
		Content R5	102.840 mg/L	OK
		ALK LOW R6	102.740 mg/L	OK
22	WG2118355-2	Sample size	50 mL	
		Potential R4	10.76 pH	OK
		Consumption 8.3 R1	4.695 mL	OK
		Consumption 4.5 R2	5.162 mL	OK
		Consumption 4.2 R3	5.164 mL	OK
		Content R5	103.240 mg/L	OK
		ALK LOW R6	103.200 mg/L	OK
23	WG2118355-1	Sample size	50 mL	
		Potential R4	5.25 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.074 mL	OK
		Consumption 4.2 R3	0.088 mL	OK
		Content R5	1.480 mg/L	OK
		ALK LOW R6	1.200 mg/L	OK
24	L2556865-01	Sample size	50 mL	
		Potential R4	6.37 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	17.087 mL	OK
		Consumption 4.2 R3	17.256 mL	OK
		Content R5	341.740 mg/L	OK
		ALK LOW R6	338.360 mg/L	OK
25	WG2118355-3	Sample size	50 mL	
		Potential R4	6.42 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	17.003 mL	OK
		Consumption 4.2 R3	17.179 mL	OK
		Content R5	340.060 mg/L	OK
		ALK LOW R6	336.540 mg/L	OK
26	WG2118355-4	Sample size	50 mL	
		Potential R4	8.92 pH	OK

Titration report

LabX

		Consumption 8.3 R1	2.701 mL	OK
		Consumption 4.5 R2	21.883 mL	OK
		Consumption 4.2 R3	22.073 mL	OK
		Content R5	437.660 mg/L	OK
		ALK LOW R6	433.860 mg/L	OK
27	L2556865-02	Sample size	50 mL	
		Potential R4	7.88 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	16.396 mL	OK
		Consumption 4.2 R3	16.546 mL	OK
		Content R5	327.920 mg/L	OK
		ALK LOW R6	324.920 mg/L	OK
28	CCV	Sample size	50 mL	
		Potential R4	11.04 pH	OK
		Consumption 8.3 R1	4.820 mL	OK
		Consumption 4.5 R2	5.174 mL	OK
		Consumption 4.2 R3	5.174 mL	OK
		Content R5	103.480 mg/L	OK
		ALK LOW R6	103.480 mg/L	OK
29	WG2118356-1	Sample size	50 mL	
		Potential R4	5.56 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.100 mL	OK
		Consumption 4.2 R3	0.130 mL	OK
		Content R5	2.000 mg/L	OK
		ALK LOW R6	1.400 mg/L	OK
30	L2556676-02	Sample size	50 mL	
		Potential R4	5.53 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.159 mL	OK
		Consumption 4.2 R3	3.175 mL	OK
		Content R5	63.180 mg/L	OK
		ALK LOW R6	62.860 mg/L	OK
31	L2556676-03	Sample size	50 mL	
		Potential R4	5.67 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.653 mL	OK
		Consumption 4.2 R3	4.682 mL	OK
		Content R5	93.060 mg/L	OK
		ALK LOW R6	92.480 mg/L	OK
32	L2556676-04	Sample size	50 mL	
		Potential R4	5.59 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.114 mL	OK
		Consumption 4.2 R3	3.128 mL	OK
		Content R5	62.280 mg/L	OK
		ALK LOW R6	62.000 mg/L	OK

Titration report

LabX

33	L2556676-05	Sample size	50 mL	
		Potential R4	5.71 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.671 mL	OK
		Consumption 4.2 R3	3.691 mL	OK
		Content R5	73.420 mg/L	OK
		ALK LOW R6	73.020 mg/L	OK
34	L2556676-06	Sample size	50 mL	
		Potential R4	5.66 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.959 mL	OK
		Consumption 4.2 R3	2.975 mL	OK
		Content R5	59.180 mg/L	OK
		ALK LOW R6	58.860 mg/L	OK
35	L2556676-07	Sample size	50 mL	
		Potential R4	5.66 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.566 mL	OK
		Consumption 4.2 R3	3.582 mL	OK
		Content R5	71.320 mg/L	OK
		ALK LOW R6	71.000 mg/L	OK
36	L2556676-08	Sample size	50 mL	
		Potential R4	5.63 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.485 mL	OK
		Consumption 4.2 R3	3.505 mL	OK
		Content R5	69.700 mg/L	OK
		ALK LOW R6	69.300 mg/L	OK
37	L2556676-09	Sample size	50 mL	
		Potential R4	5.43 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.667 mL	OK
		Consumption 4.2 R3	1.687 mL	OK
		Content R5	33.340 mg/L	OK
		ALK LOW R6	32.940 mg/L	OK
38	WG2118356-3	Sample size	50 mL	
		Potential R4	5.45 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.674 mL	OK
		Consumption 4.2 R3	1.695 mL	OK
		Content R5	33.480 mg/L	OK
		ALK LOW R6	33.060 mg/L	OK
39	L2556676-10	Sample size	50 mL	
		Potential R4	5.40 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.304 mL	OK
		Consumption 4.2 R3	1.318 mL	OK

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40	L2556676-11	Content R5	26.080 mg/L	OK
		ALK LOW R6	25.800 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.25 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.028 mL	OK
		Consumption 4.2 R3	1.057 mL	OK
		Content R5	20.560 mg/L	OK
41	L2556676-12	ALK LOW R6	19.980 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.45 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.147 mL	OK
		Consumption 4.2 R3	3.153 mL	OK
		Content R5	62.940 mg/L	OK
		ALK LOW R6	62.820 mg/L	OK
42	L2556673-07	Sample size	50 mL	
		Potential R4	5.48 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.154 mL	OK
		Consumption 4.2 R3	0.177 mL	OK
		Content R5	3.080 mg/L	OK
		ALK LOW R6	2.620 mg/L	OK
43	CCV	Sample size	50 mL	
		Potential R4	11.22 pH	OK
		Consumption 8.3 R1	4.905 mL	OK
		Consumption 4.5 R2	5.217 mL	OK
		Consumption 4.2 R3	5.218 mL	OK
		Content R5	104.340 mg/L	OK
		ALK LOW R6	104.320 mg/L	OK
44	CCB	Sample size	50 mL	
		Potential R4	5.66 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.111 mL	OK
		Consumption 4.2 R3	0.149 mL	OK
		Content R5	2.220 mg/L	OK
		ALK LOW R6	1.460 mg/L	OK
45	L2557076-02	Sample size	50 mL	
		Potential R4	5.48 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.108 mL	OK
		Consumption 4.2 R3	0.161 mL	OK
		Content R5	2.160 mg/L	OK
		ALK LOW R6	1.100 mg/L	OK
46	L2557076-03	Sample size	50 mL	
		Potential R4	5.63 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK

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		Consumption 4.5 R2	3.115 mL	OK
		Consumption 4.2 R3	3.131 mL	OK
		Content R5	62.300 mg/L	OK
		ALK LOW R6	61.980 mg/L	OK
47	L2557076-04	Sample size	50 mL	
		Potential R4	5.48 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.025 mL	OK
		Consumption 4.2 R3	2.042 mL	OK
		Content R5	40.500 mg/L	OK
		ALK LOW R6	40.160 mg/L	OK
48	L2557076-05	Sample size	50 mL	
		Potential R4	5.78 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.899 mL	OK
		Consumption 4.2 R3	4.939 mL	OK
		Content R5	97.980 mg/L	OK
		ALK LOW R6	97.180 mg/L	OK
49	L2557076-06	Sample size	50 mL	
		Potential R4	5.61 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.859 mL	OK
		Consumption 4.2 R3	2.888 mL	OK
		Content R5	57.180 mg/L	OK
		ALK LOW R6	56.600 mg/L	OK
50	L2557076-07	Sample size	50 mL	
		Potential R4	5.97 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	8.371 mL	OK
		Consumption 4.2 R3	8.452 mL	OK
		Content R5	167.420 mg/L	OK
		ALK LOW R6	165.800 mg/L	OK
51	L2557076-08	Sample size	50 mL	
		Potential R4	5.98 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.771 mL	OK
		Consumption 4.2 R3	7.839 mL	OK
		Content R5	155.420 mg/L	OK
		ALK LOW R6	154.060 mg/L	OK
52	L2557076-09	Sample size	50 mL	
		Potential R4	5.40 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.943 mL	OK
		Consumption 4.2 R3	1.983 mL	OK
		Content R5	38.860 mg/L	OK
		ALK LOW R6	38.060 mg/L	OK
53	L2557076-10	Sample size	50 mL	

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		Potential R4	5.33 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.314 mL	OK
		Consumption 4.2 R3	1.335 mL	OK
		Content R5	26.280 mg/L	OK
		ALK LOW R6	25.860 mg/L	OK
54	L2556673-08	Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.066 mL	OK
		Consumption 4.2 R3	2.180 mL	OK
		Content R5	41.320 mg/L	OK
		ALK LOW R6	39.040 mg/L	OK
55	L2556673-09	Sample size	50 mL	
		Potential R4	5.02 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.640 mL	OK
		Consumption 4.2 R3	0.709 mL	OK
		Content R5	12.800 mg/L	OK
		ALK LOW R6	11.420 mg/L	OK
56	L2556673-10	Sample size	50 mL	
		Potential R4	5.38 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.262 mL	OK
		Consumption 4.2 R3	1.273 mL	OK
		Content R5	25.240 mg/L	OK
		ALK LOW R6	25.020 mg/L	OK
57	L2556673-11	Sample size	50 mL	
		Potential R4	4.98 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.353 mL	OK
		Consumption 4.2 R3	0.382 mL	OK
		Content R5	7.060 mg/L	OK
		ALK LOW R6	6.480 mg/L	OK
58	L2556673-12	Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.829 mL	OK
		Consumption 4.2 R3	0.844 mL	OK
		Content R5	16.580 mg/L	OK
		ALK LOW R6	16.280 mg/L	OK
59	CCV	Sample size	50 mL	
		Potential R4	11.04 pH	OK
		Consumption 8.3 R1	4.841 mL	OK
		Consumption 4.5 R2	5.156 mL	OK
		Consumption 4.2 R3	5.160 mL	OK
		Content R5	103.120 mg/L	OK

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LabX

60	CCB	ALK LOW R6	103.040 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.64 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.110 mL	OK
		Consumption 4.2 R3	0.139 mL	OK
		Content R5	2.200 mg/L	OK
61	L2556673-13	ALK LOW R6	1.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.08 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.493 mL	OK
		Consumption 4.2 R3	0.517 mL	OK
		Content R5	9.860 mg/L	OK
62	WG2118541-3	ALK LOW R6	9.380 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.13 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.456 mL	OK
		Consumption 4.2 R3	0.479 mL	OK
		Content R5	9.120 mg/L	OK
63	WG2118541-4	ALK LOW R6	8.660 mg/L	OK
		Sample size	50 mL	
		Potential R4	9.94 pH	OK
		Consumption 8.3 R1	3.386 mL	OK
		Consumption 4.5 R2	5.963 mL	OK
		Consumption 4.2 R3	5.968 mL	OK
		Content R5	119.260 mg/L	OK
64	L2556673-14	ALK LOW R6	119.160 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.35 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.026 mL	OK
		Consumption 4.2 R3	1.046 mL	OK
		Content R5	20.520 mg/L	OK
65	L2556673-15	ALK LOW R6	20.120 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.38 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.102 mL	OK
		Consumption 4.2 R3	0.144 mL	OK
		Content R5	2.040 mg/L	OK
66	L2558589-01	ALK LOW R6	1.200 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.34 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.985 mL	OK

Titration report

LabX

67	L2558072-01	Consumption 4.2 R3	0.998 mL	OK
		Content R5	19.700 mg/L	OK
		ALK LOW R6	19.440 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.69 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	6.259 mL	OK
		Consumption 4.2 R3	6.438 mL	OK
		Content R5	125.180 mg/L	OK
		ALK LOW R6	121.600 mg/L	OK
68	L2558072-02	Sample size	50 mL	
		Potential R4	5.86 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	8.043 mL	OK
		Consumption 4.2 R3	8.163 mL	OK
		Content R5	160.860 mg/L	OK
		ALK LOW R6	158.460 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.76 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
69	L2558072-03	Consumption 4.5 R2	6.864 mL	OK
		Consumption 4.2 R3	7.123 mL	OK
		Content R5	137.280 mg/L	OK
		ALK LOW R6	132.100 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.41 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.815 mL	OK
		Consumption 4.2 R3	0.848 mL	OK
		Content R5	16.300 mg/L	OK
70	L2558205-01	ALK LOW R6	15.640 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.92 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	13.353 mL	OK
		Consumption 4.2 R3	13.607 mL	OK
		Content R5	267.060 mg/L	OK
		ALK LOW R6	261.980 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.10 pH	OK
71	L2558205-02	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	20.079 mL	OK
		Consumption 4.2 R3	20.377 mL	OK
		Content R5	401.580 mg/L	OK
		ALK LOW R6	395.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.90 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	20.079 mL	OK
		Consumption 4.2 R3	20.377 mL	OK
72	L2558205-03	Content R5	401.580 mg/L	OK
		ALK LOW R6	395.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.90 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	20.079 mL	OK
		Consumption 4.2 R3	20.377 mL	OK
		Content R5	401.580 mg/L	OK
		ALK LOW R6	395.620 mg/L	OK
		Sample size	50 mL	
73	L2558085-12	Potential R4	5.90 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	20.079 mL	OK
		Consumption 4.2 R3	20.377 mL	OK
		Content R5	401.580 mg/L	OK
		ALK LOW R6	395.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.90 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	20.079 mL	OK

Titration report

LabX

74	L2557816-01	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.868 mL	OK
		Consumption 4.2 R3	7.966 mL	OK
		Content R5	157.360 mg/L	OK
		ALK LOW R6	155.400 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.18 pH	OK
75	L2557816-02	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	21.393 mL	OK
		Consumption 4.2 R3	21.762 mL	OK
		Content R5	427.860 mg/L	OK
		ALK LOW R6	420.480 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.27 pH	OK
76	L2557816-03	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
		Sample size	50 mL	
		Potential R4	6.21 pH	OK
77	L2557816-04	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	21.146 mL	OK
		Consumption 4.2 R3	21.561 mL	OK
		Content R5	422.920 mg/L	OK
		ALK LOW R6	414.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.64 pH	OK
78	L2557816-05	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	5.903 mL	OK
		Consumption 4.2 R3	6.025 mL	OK
		Content R5	118.060 mg/L	OK
		ALK LOW R6	115.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.32 pH	OK
79	L2558314-01	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.981 mL	OK
		Consumption 4.2 R3	1.010 mL	OK
		Content R5	19.620 mg/L	OK
		ALK LOW R6	19.040 mg/L	OK
		Sample size	50 mL	
		Potential R4	7.00 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK

Titration report

LabX

80	L2558314-02	Sample size	50 mL	
		Potential R4	5.95 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	5.794 mL	OK
		Consumption 4.2 R3	5.852 mL	OK
		Content R5	115.880 mg/L	OK
		ALK LOW R6	114.720 mg/L	OK
81	L2558314-03	Sample size	50 mL	
		Potential R4	5.15 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.456 mL	OK
		Consumption 4.2 R3	0.468 mL	OK
		Content R5	9.120 mg/L	OK
		ALK LOW R6	8.880 mg/L	OK
82	L2558314-04	Sample size	50 mL	
		Potential R4	5.98 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	13.158 mL	OK
		Consumption 4.2 R3	13.313 mL	OK
		Content R5	263.160 mg/L	OK
		ALK LOW R6	260.060 mg/L	OK
83	WG2118541-2	Sample size	50 mL	
		Potential R4	11.18 pH	OK
		Consumption 8.3 R1	9.368 mL	OK
		Consumption 4.5 R2	9.881 mL	OK
		Consumption 4.2 R3	9.884 mL	OK
		Content R5	197.620 mg/L	OK
		ALK LOW R6	197.560 mg/L	OK
84	WG2118541-1	Sample size	50 mL	
		Potential R4	5.08 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.066 mL	OK
		Consumption 4.2 R3	0.083 mL	OK
		Content R5	1.320 mg/L	OK
		ALK LOW R6	0.980 mg/L	OK
85	L2557816-02 10x	Sample size	50 mL	
		Potential R4	5.75 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.113 mL	OK
		Consumption 4.2 R3	7.189 mL	OK
		Content R5	142.260 mg/L	OK
		ALK LOW R6	140.740 mg/L	OK
86	L2558314-01 10x	Sample size	50 mL	
		Potential R4	5.72 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.856 mL	OK
		Consumption 4.2 R3	4.905 mL	OK

Titration report



87	WG2118541-2	Content R5	97.120 mg/L	OK
		ALK LOW R6	96.140 mg/L	OK
		Sample size	50 mL	
		Potential R4	11.23 pH	OK
		Consumption 8.3 R1	4.858 mL	OK
		Consumption 4.5 R2	5.181 mL	OK
88	WG2118541-1	Consumption 4.2 R3	5.185 mL	OK
		Content R5	103.620 mg/L	OK
		ALK LOW R6	103.540 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.26 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
89	CCV	Consumption 4.5 R2	0.074 mL	OK
		Consumption 4.2 R3	0.095 mL	OK
		Content R5	1.480 mg/L	OK
		ALK LOW R6	1.060 mg/L	OK
		Sample size	50 mL	
		Potential R4	10.94 pH	OK
90	CCB	Consumption 8.3 R1	4.663 mL	OK
		Consumption 4.5 R2	5.013 mL	OK
		Consumption 4.2 R3	5.013 mL	OK
		Content R5	100.260 mg/L	OK
		ALK LOW R6	100.260 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.04 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.074 mL	OK
		Consumption 4.2 R3	0.091 mL	OK
		Content R5	1.480 mg/L	OK
		ALK LOW R6	1.140 mg/L	OK

Statistics

R1

Mean	NaN mL	Minimum	2.538 mL
Maximum	9.368 mL	Rel. standard deviation	NaN %
Standard deviation	NaN mL	Samples excluded	0
Total samples	90		

R2

Mean	NaN mL	Minimum	0.063 mL
Maximum	21.883 mL	Rel. standard deviation	NaN %
Standard deviation	NaN mL	Samples excluded	0
Total samples	90		

R3

Titration report



Mean	NaN mL	Minimum	0.083 mL
Maximum	22.073 mL	Rel. standard deviation	NaN %
Standard deviation	NaN mL	Samples excluded	0
Total samples	90		

R4

Mean	6.30 pH	Minimum	4.97 pH
Maximum	11.23 pH	Rel. standard deviation	26.830 %
Standard deviation	1.69 pH	Samples excluded	0
Total samples	90		

R5

Mean	NaN mg/L	Minimum	1.260 mg/L
Maximum	437.660 mg/L	Rel. standard deviation	NaN %
Standard deviation	NaN mg/L	Samples excluded	0
Total samples	90		

R6

Mean	NaN mg/L	Minimum	0.660 mg/L
Maximum	433.860 mg/L	Rel. standard deviation	NaN %
Standard deviation	NaN mg/L	Samples excluded	0
Total samples	90		

Used Instruments

Name	T7 Excellence Titrator	Serial number	C329519495
------	------------------------	---------------	------------

Responsible User

Time	Login name	Full name
9/23/2025 9:08:55 AM	SystemInternal	System internal account

(17) Data compression on instrument occurred

Quality Control

Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/23/25 13:08
Dup Sample ID	: WG2118356-3	DUP Analysis Date	: 09/23/25 13:10

Parameter	Sample Concentration (mg CaCO3/L)	Duplicate Concentration (mg CaCO3/L)	RPD	RPD Limit
Alkalinity, Carbonate	ND	ND	NC	10
Alkalinity, Bicarbonate	33.3	33.5	0	9



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Alkalinity

$$\text{Alkalinity, mg CaCO}_3/\text{L} = \frac{A \times N \times 50,000}{\text{mL Sample}}$$

Where:

A = mL of the standard acid titrated

N = normality of the standard acid

Results are calculated using Mettler Toledo software.

Standard sample size is 50mL, 0.02N Sulfuric acid for titration

ALKALINITY RELATIONSHIPS

Result of Titration	Hydroxide Alkalinity as CaCO ₃	Carbonate Alkalinity as CaCO ₃	Bicarbonate Alkalinity as CaCO ₃
P = 0	0	0	T
P < 1/2T	0	2P	T - 2P
P = 1/2T	0	2P	0
P > 1/2T	2P - T	2(T - P)	0

P = T T 0 0

*Key: P-phenolphthalein alkalinity; T-total alkalinity.

Sequence Logs

CAL	250923	LCS	6.99 INT: MRW
pH 4	3484	Titrant:	4298
pH 7	3386	LCS:	3530
pH 10	3482	MS:	3529
LCS	3523		

- 1 Rinse,MRW
- 2 Rinse,MRW
- 3 WG2118353-1
- 4 WG2118353-2
- 5 L2559562-01 50x
- 6 L2559565-03 50x
- 7 L2556715-10 2x
- 8 L2556715-11 2x
- 9 L2556715-12 2x
- 10 L2556716-01 5x
- 11 L2556716-02 5x
- 12 L2556673-01
- 13 L2556673-02
- 14 L2556673-03
- 15 L2556673-04
- 16 WG2118353-3
- 17 WG2118353-4
- 18 L2556673-05
- 19 L2556673-06
- 20 L2556673-07
- 21 L2556485-01
- 22 WG2118355-2
- 23 WG2118355-1
- 24 L2556865-01
- 25 WG2118355-3
- 26 WG2118355-4
- 27 L2556865-02
- 28 CCV
- 29 WG2118356-1
- 30 L2556676-02
- 31 L2556676-03
- 32 L2556676-04
- 33 L2556676-05
- 34 L2556676-06
- 35 L2556676-07
- 36 L2556676-08
- 37 L2556676-09
- 38 WG2118356-3
- 39 L2556676-10
- 40 L2556676-11
- 41 L2556676-12

42 L2556673-07
43 CCV
44 CCB
45 L2557076-02
46 L2557076-03
47 L2557076-04
48 L2557076-05
49 L2557076-06
50 L2557076-07
51 L2557076-08
52 L2557076-09
53 L2557076-10
54 L2556673-08
55 L2556673-09
56 L2556673-10
57 L2556673-11
58 L2556673-12
59 CCV
60 CCB
61 L2556673-13
62 WG2118541-3
63 WG2118541-4
64 L2556673-14
65 L2556673-15
66 L2558589-01
67 L2558072-01
68 L2558072-02
69 L2558072-03
70 L2558205-01
71 L2558205-02
72 L2558205-03
73 L2558085-12
74 L2557816-01
75 L2557816-02
76 L2557816-03
77 L2557816-04
78 L2557816-05
79 L2558314-01
80 L2558314-02
81 L2558314-03
82 L2558314-04
83 WG2118541-2
84 WG2118541-1
85 L2557816-02 10x
86 L2558314-01 10x
87 WG2118541-2
88 WG2118541-1

89 CCV
90 CCB

Chloride Analysis

Results

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-02
 Client ID : FIELD BLANK
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500CL-E
 Lab File ID : CL250925-A1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:40
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 17:43
 Dilution Factor : 1
 Analyst : MRM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	ND	1.0	0.89	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-03
 Client ID : 5A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500CL-E
 Lab File ID : CL250923-A1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 01:52
 Dilution Factor : 1
 Analyst : TLH
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	17.	1.0	0.89	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-04
Client ID : 5B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250923-A1
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 12:20
Date Received : 09/10/25
Date Analyzed : 09/24/25 00:13
Dilution Factor : 1
Analyst : TLH
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	17.	1.0	0.89	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-05
 Client ID : 6A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500CL-E
 Lab File ID : CL250923-A1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:00
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 00:14
 Dilution Factor : 1
 Analyst : TLH
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	13.	1.0	0.89	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500CL-E
 Lab File ID : CL250923-A1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 00:14
 Dilution Factor : 1
 Analyst : TLH
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	22.	1.0	0.89	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-07
 Client ID : 7A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500CL-E
 Lab File ID : CL250923-A1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:40
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 00:15
 Dilution Factor : 1
 Analyst : TLH
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	17.	1.0	0.89	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500CL-E
 Lab File ID : CL250923-A1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 00:16
 Dilution Factor : 1
 Analyst : TLH
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	18.	1.0	0.89	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-09
 Client ID : 10A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500CL-E
 Lab File ID : CL250925-A1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:05
 Date Received : 09/10/25
 Date Analyzed : 09/25/25 17:43
 Dilution Factor : 1
 Analyst : MRM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	20.	1.0	0.89	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-10
 Client ID : 10B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500CL-E
 Lab File ID : CL250923-A1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 10:55
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 00:20
 Dilution Factor : 1
 Analyst : TLH
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	31.	1.0	0.89	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2118673-1
Client ID : WG2118673-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250923-A1
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/23/25 23:48
Dilution Factor : 1
Analyst : TLH
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	ND	1.0	0.89	U

Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2118673-3
Client ID : 5ADUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250923-A1
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 12:20
Date Received : 09/10/25
Date Analyzed : 09/24/25 00:11
Dilution Factor : 1
Analyst : TLH
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	16.	1.0	0.89	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2119736-1
Client ID : WG2119736-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250925-A1
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/25/25 16:42
Dilution Factor : 1
Analyst : MRM
Instrument ID : LACHAT
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	ND	1.0	0.89	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2119736-3
 Client ID : WG2119736-3 DUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,4500CL-E
 Lab File ID : CL250925-A1
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/15/25 12:30
 Date Received : 09/15/25
 Date Analyzed : 09/25/25 18:21
 Dilution Factor : 100
 Analyst : MRM
 Instrument ID : LACHAT
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	1900	100	89.	



Sample Raw Data

Author:

Date : 9/24/2025

Original Run Filename: OM_9-23-2025_11-33-02PM.OMN Created: 9/23/2025 11:33:02 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-23-2025_11-33-02PM.OMN Last Modified: 9/24/2025 3:57:40 AM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			Chloride-CH3 (mg Cl/L)			
Sample1	1	S1	100.00000			
Sample2	1	S2	80.00000			
Sample3	1	S3	20.00000			
Sample4	1	S4	10.00000			
Sample5	1	S5	5.00000			
Sample6	1	S6	2.00000			
Sample7	1	S7	1.00000			
Sample8	1	S9	0.00000			
CCV	1	S3	18.76394			
Known Conc:			20.00000			
Calibration:			Table/Fig. : 1			
CCB	1	S9	0.37572			
Known Conc:			0.00000			
ICV 5	1	1	4.69914			
ICV 30	1	2	29.08487			
ICV 80	1	3	76.44524			
ICB	1	4	0.23913			
100 PPM	1	5	96.83475	10.00		
WG2118673-1; BLK	1	6	0.24149			
WG2118673-2; LCS	1	7	27.29416			
WG2118674-1; BLK	1	8	0.40022			
WG2118674-2; LCS	1	9	25.68431			
WG2118675-1; BLK	1	10	0.30849			
CCV	1	S3	18.72948			
Known Conc:			20.00000			
CCB	1	S9	0.38684			
Known Conc:			0.00000			
WG2118675-2; LCS	1	11	27.97360			
WG2118689-1; BLK	1	12	0.32730			
WG2118689-2; LCS	1	13	27.58842			
WG2118690-1; BLK	1	14	6.30422			0.10000 g
WG2118690-2; LCS	1	15	375.91513			0.10150 g
L2558058-01	1	16	39482.73047	10.00		0.10070 g
WG2118690-3; DUP	1	17	39892.32031	10.00		0.10030 g
WG2118690-4; MS	1	18	37872.51562	10.00		0.10050 g
L2557076-02	1	19	11.60524	10.00		
L2557076-03	1	20	15.45145	10.00		
CCV	1	S3	18.04140			
Known Conc:			20.00000			
CCB	1	S9	0.43918			
Known Conc:			0.00000			
WG2118674-2; LCS	1	9	26.41274			
WG2118690-2; LCS	1	15	356.29303			0.10150 g
WG2118673-3; DUP	1	21	16.04993			
WG2118673-4; MS	1	22	36.24883			
L2557076-04	1	23	16.90208			
L2557076-05	1	24	13.34109			
L2557076-06	1	25	21.82497			
L2557076-07	1	26	17.20460			
L2557076-08	1	27	17.87366			
L2557076-09	1	28	18.25294	10.00		
CCV	1	S3	18.22909			
Known Conc:			20.00000			
CCB	1	S9	0.43797			
Known Conc:			0.00000			
L2557076-10	1	29	31.03671			
L2557921-02	1	30	259.34616			
L2557921-20	1	31	238.34973			

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L2557921-23	1	32	1.64905			
L2557955-01	1	33	290.48395			
L2558028-03	1	34	184.20198			
L2558028-06	1	35	40.89162			
L2558028-09	1	36	34.60170			
L2558028-12	1	37	34.29433			
L2558028-15	1	38	0.95986	10.00		
CCV	1	S3	18.21638			
		Known Conc:	20.00000			
CCB	1	S9	0.38458			
		Known Conc:	0.00000			
L2558028-18	1	39	30.77181			
L2558028-21	1	40	35.99943			
L2558028-24	1	41	110.03991			
L2558030-01	1	42	38.98995			
WG2118674-3; DUP	1	43	39.38447			
WG2118674-4; MS	1	44	56.60229			
L2558030-03	1	45	53.28079			
L2558030-05	1	46	82.95130			
L2558030-07	1	47	89.24074			
L2558030-09	1	48	108.29089	10.00		
CCV	1	S3	18.19991			
		Known Conc:	20.00000			
CCB	1	S9	0.36298			
		Known Conc:	0.00000			
L2558030-11	1	49	196.53398	10.00		
L2558030-13	1	50	197.70537	10.00		
L2558030-15	1	51	0.56748			
L2558039-03	1	52	65.69421			
L2558039-06	1	53	39.93172			
L2558039-09	1	54	31.19274			
L2558039-12	1	55	30.90907			
L2558039-15	1	56	0.53586			
L2558039-18	1	57	71.94454			
L2558039-21	1	58	31.11696	10.00		
CCV	1	S3	18.20407			
		Known Conc:	20.00000			
CCB	1	S9	0.42656			
		Known Conc:	0.00000			
L2558039-24	1	59	110.20676			
L2558039-27	1	60	117.43778			
L2558045-01	1	61	13.51459			
L2558045-04	1	62	13.44616			
L2558045-07	1	63	0.47649			
L2558045-10	1	64	29.08532			
L2558045-13	1	65	27.45624			
L2558045-16	1	66	84.70367			
L2558045-19	1	67	85.42656			
L2558045-22	1	68	53.99739	10.00		
CCV	1	S3	18.34240			
		Known Conc:	20.00000			
CCB	1	S9	0.40497			
		Known Conc:	0.00000			
L2558045-25	1	69	59.31831			
L2558049-01	1	70	15.87556			
L2558049-03	1	71	66.82864			
L2558049-05	1	72	107.79184			
L2558049-07	1	73	95.39670			
L2558049-09	1	74	0.69685			
L2558049-11	1	75	60.24775			
L2558051-01	1	76	20.92344			
L2558051-03	1	77	40.45160			
L2558051-05	1	78	41.10937	10.00		
CCV	1	S3	18.33207			
		Known Conc:	20.00000			
CCB	1	S9	0.35580			
		Known Conc:	0.00000			
L2558051-07	1	79	47.35779			

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L2558051-09	1	80	0.58877			
L2558051-11	1	81	77.49030			
L2558072-03	1	82	387.46976			
WG2118675-3; DUP	1	83	384.79404			
WG2118675-4; MS	1	84	381.77286			
L2557281-01	1	85	43.65485			
L2557281-02	1	86	66.21921			
L2557281-03	1	87	441.59921			
L2557281-04	1	88	46.97498	10.00		
CCV	1	S3	19.28382			
Known Conc:			20.00000			
CCB	1	S9	3.37251			
Known Conc:			0.00000			
L2557281-05	1	89	162.29417			
L2557281-06	1	90	471.59628			
L2558067-01	1	91	24.49357			
L2558067-03	1	92	12.87155			
L2558067-05	1	93	2.07631			
L2558067-07	1	94	3.91485			
L2558072-01	1	95	409.85660			
L2558072-02	1	96	371.60657			
L2558413-03	1	97	214.28300			
L2558413-07	1	98	1015.73798	10.00		
CCV	1	S3	18.92097			
Known Conc:			20.00000			
CCB	1	S9	0.11491			
Known Conc:			0.00000			
L2558445-01	1	99	438.71109			
WG2118689-3; DUP	1	100	451.06900			
WG2118689-4; MS	1	101	441.45007			
L2558445-02	1	102	445.76740			
L2558445-06	1	103	432.24869			
WG2118674-2; LCS	1	9	33.09768			
WG2118690-2; LCS	1	15	383.28659			0.10150 g
L2558058-01	1	16	1.21745e+5	100.00		0.10070 g
WG2118674-2; LCS	1	9	27.87242			
WG2118690-3; DUP	1	17	1.19821e+5	100.00		0.10030 g
CCV	1	S3	19.13574			
Known Conc:			20.00000			
CCB	1	S9	0.44466			
Known Conc:			0.00000			
WG2118690-4; MS	1	18	1.06962e+5	100.00		0.10050 g
L2557076-02	1	19	1.76159			
WG2118674-2; LCS	1	9	27.60917			
L2557076-03	1	20	16.97862			
L2557921-02	1	30	472.75668	10.00		
L2557921-20	1	31	399.57230	10.00		
L2557955-01	1	33	602.73792	10.00		
L2558028-03	1	34	254.96339	10.00		
L2558028-03	1	34	189.24211			
L2557921-23	1	32	1.13117			
CCV	1	S3	18.71755			
Known Conc:			20.00000			
CCB	1	S9	0.42083			
Known Conc:			0.00000			
L2558028-06	1	35	40.83011			
L2558028-24	1	41	112.28802	10.00		
L2558028-15	1	38	0.53041			
L2558030-01	1	42	39.50969			
L2558030-09	1	48	106.30459			
L2558030-11	1	49	161.60628			
L2558030-13	1	50	162.27071			
L2558039-24	1	59	117.45446	10.00		
L2558039-27	1	60	128.56342	10.00		
L2558039-21	1	58	28.92644			
CCV	1	S3	18.46297			
Known Conc:			20.00000			
CCB	1	S9	0.46534			

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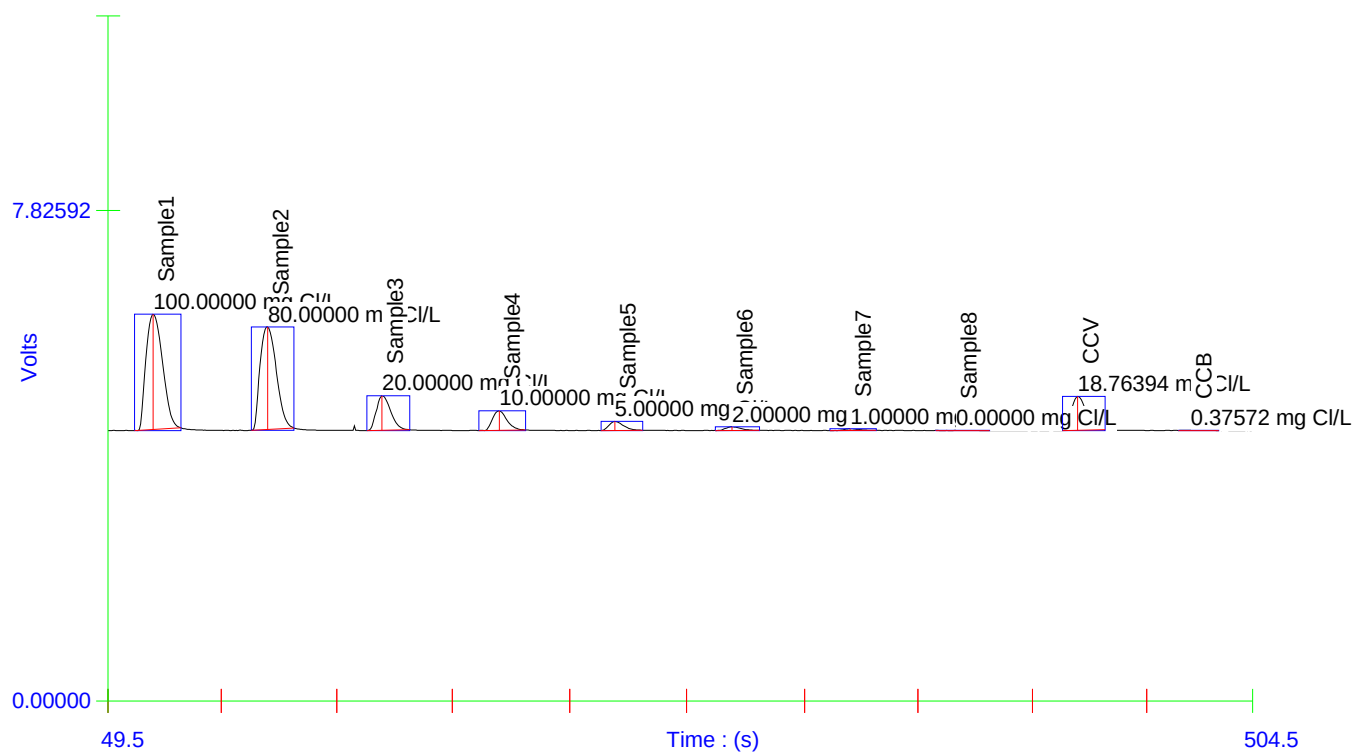
Date : 9/24/2025

	Known Conc:		0.00000			
L2558045-01	1	61	13.44688			
L2558049-05	1	72	106.97689	10.00		
L2558045-22	1	68	60.01934			
L2558049-07	1	73	93.80891	10.00		
L2558051-05	1	78	47.26259			
L2558072-03	1	82	1219.73669	10.00		
WG2118675-3; DUP	1	83	1225.93896	10.00		
WG2118675-4; MS	1	84	1223.36499	10.00		
L2557281-03	1	87	3895.25342	10.00		
L2557281-05	1	89	214.98671	10.00		
CCV	1	S3	18.63398			
	Known Conc:		20.00000			
CCB	1	S9	0.46796			
	Known Conc:		0.00000			
L2557281-06	1	90	3256.09961	10.00		
L2557281-04	1	88	22.64394			
L2557281-01	1	85	40.44123			
L2558067-01	1	91	10.86623			
L2558072-01	1	95	1522.82349	10.00		
L2558072-02	1	96	1198.97546	10.00		
L2558413-03	1	97	313.71344	10.00		
L2558413-07	1	98	787.49573	100.00		
L2558445-01	1	99	1914.92371	10.00		
WG2118689-3; DUP	1	100	1912.03064	10.00		
CCV	1	S3	19.11613			
	Known Conc:		20.00000			
CCB	1	S9	0.43833			
	Known Conc:		0.00000			
WG2118689-4; MS	1	101	1908.23499	10.00		
L2558445-02	1	102	1897.07129	10.00		
L2558445-06	1	103	1860.45093	10.00		
L2558058-01	1	16	3812.31299	1000.00		0.10070 g
WG2118690-3; DUP	1	17	1.44712e+5	1000.00		0.10030 g
WG2118690-4; MS	1	18	1.24172e+5	1000.00		0.10050 g
L2557076-02	1	19	1.60631			
L2558028-03	1	34	255.86023	10.00		
L2558030-09	1	48	110.47195	10.00		
L2558030-11	1	49	200.95654	10.00		
CCV	1	S3	18.89046			
	Known Conc:		20.00000			
CCB	1	S9	0.35333			
	Known Conc:		0.00000			
L2558030-13	1	50	200.87256	10.00		
L2558072-03	1	82	1040.38306	100.00		
WG2118675-3; DUP	1	83	1035.27502	100.00		
WG2118675-4; MS	1	84	1026.63818	100.00		
L2557281-03	1	87	11322.38281	100.00		
L2557281-06	1	90	6436.27002	100.00		
L2558072-01	1	95	1401.20435	100.00		
L2558072-02	1	96	992.18866	100.00		
L2558445-01	1	99	2056.23584	100.00		
WG2118689-3; DUP	1	100	2051.97681	100.00		
CCV	1	S3	18.55396			
	Known Conc:		20.00000			
CCB	1	S9	0.42229			
	Known Conc:		0.00000			
WG2118689-4; MS	1	101	2095.09888	100.00		
L2558445-02	1	102	2051.31152	100.00		
L2558445-06	1	103	1990.07458	100.00		
L2557281-03	1	87	13380.38867	1000.00		
CCV	1	S3	18.50078			
	Known Conc:		20.00000			
CCB	1	S9	0.19502			
	Known Conc:		0.00000			

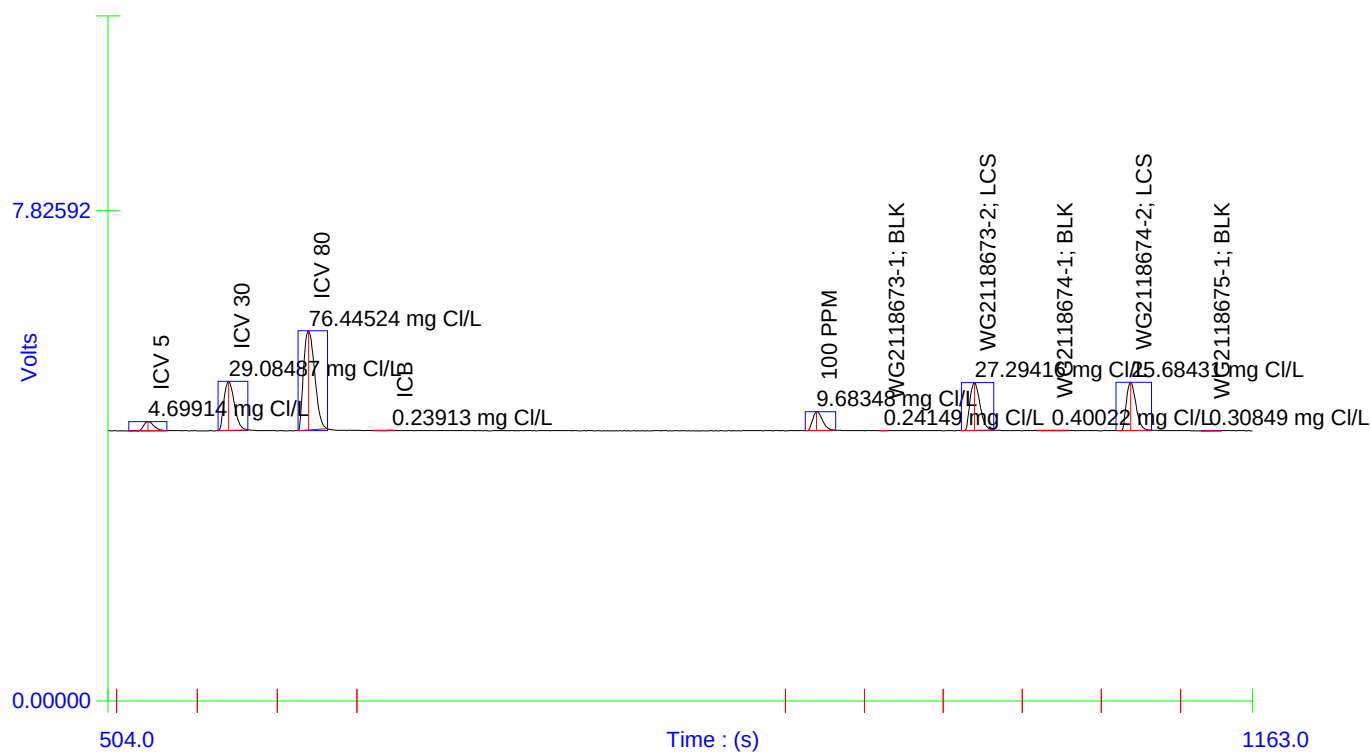
Author:

Date : 9/24/2025

Channel 1 (Chloride) - Set: 1 / 22



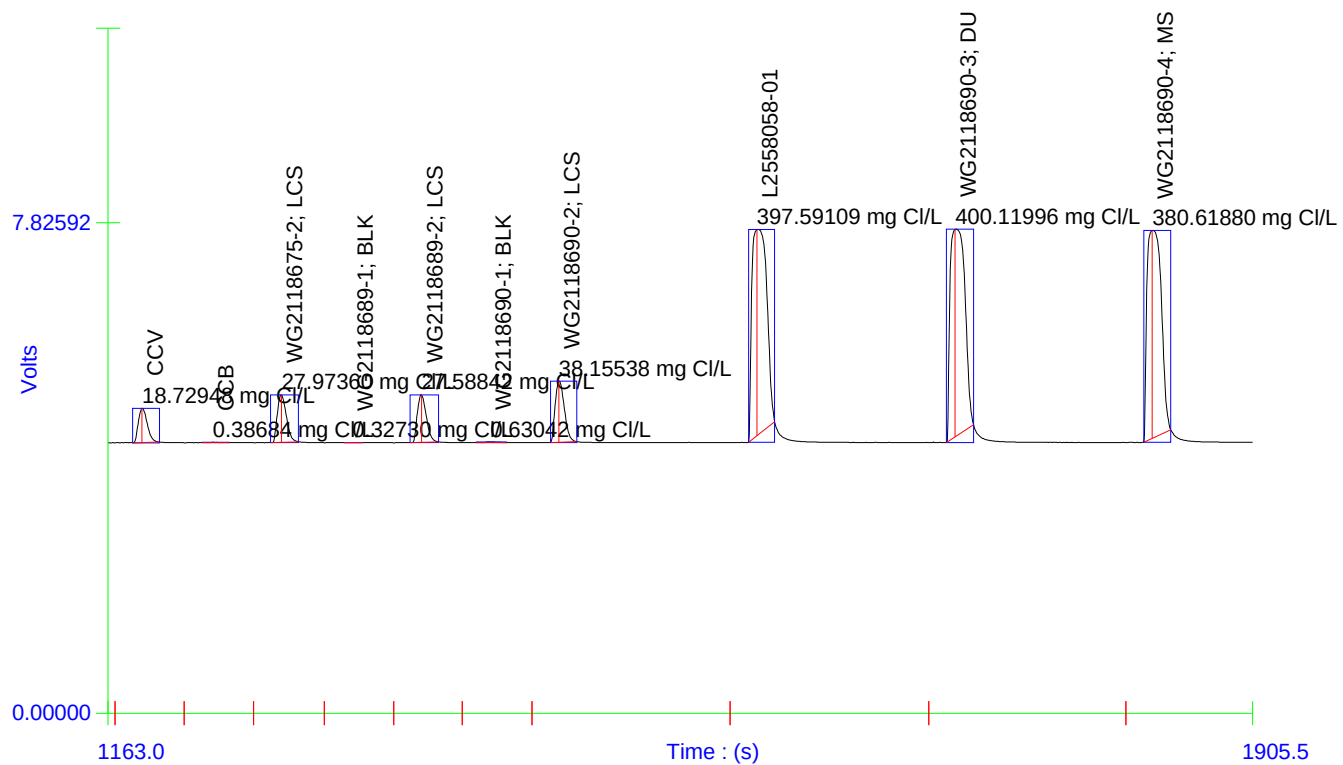
Channel 1 (Chloride) - Set: 2 / 22



Author:

Date : 9/24/2025

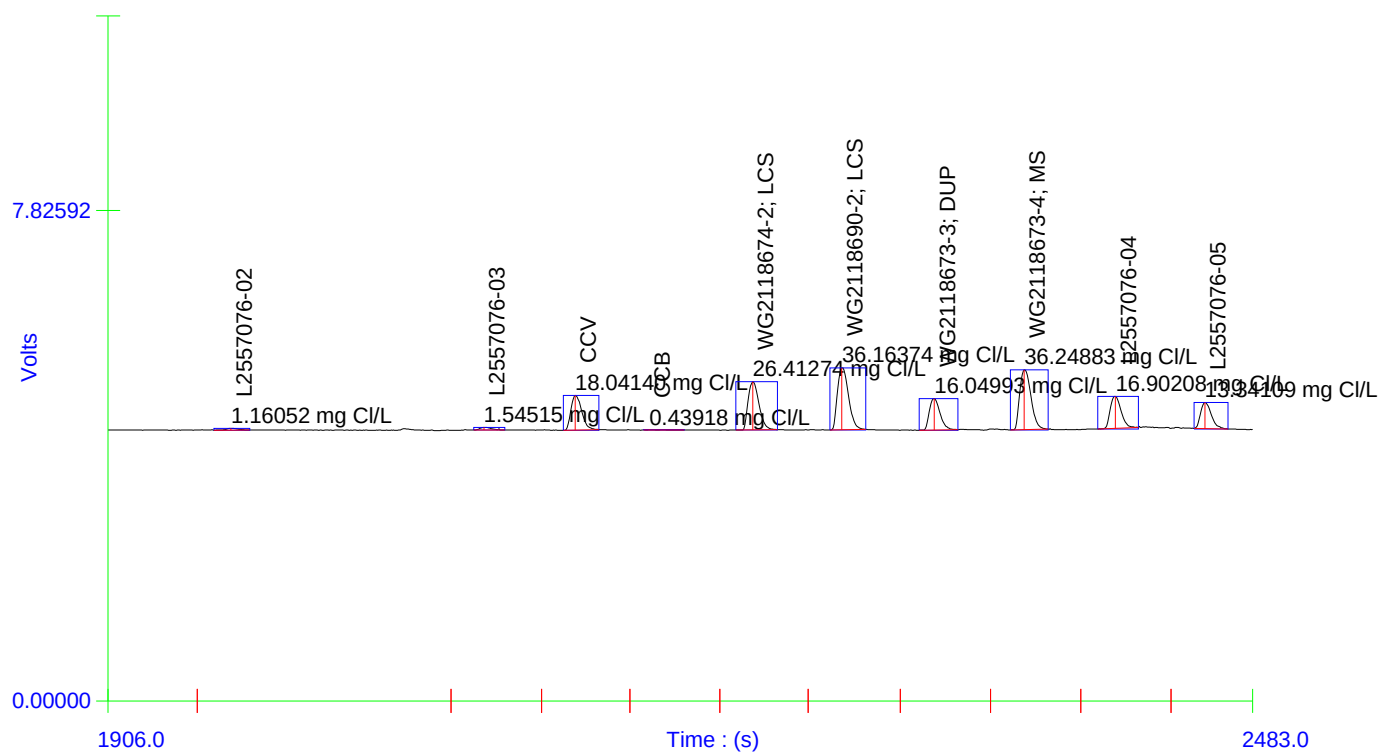
Channel 1 (Chloride) - Set: 3 / 22



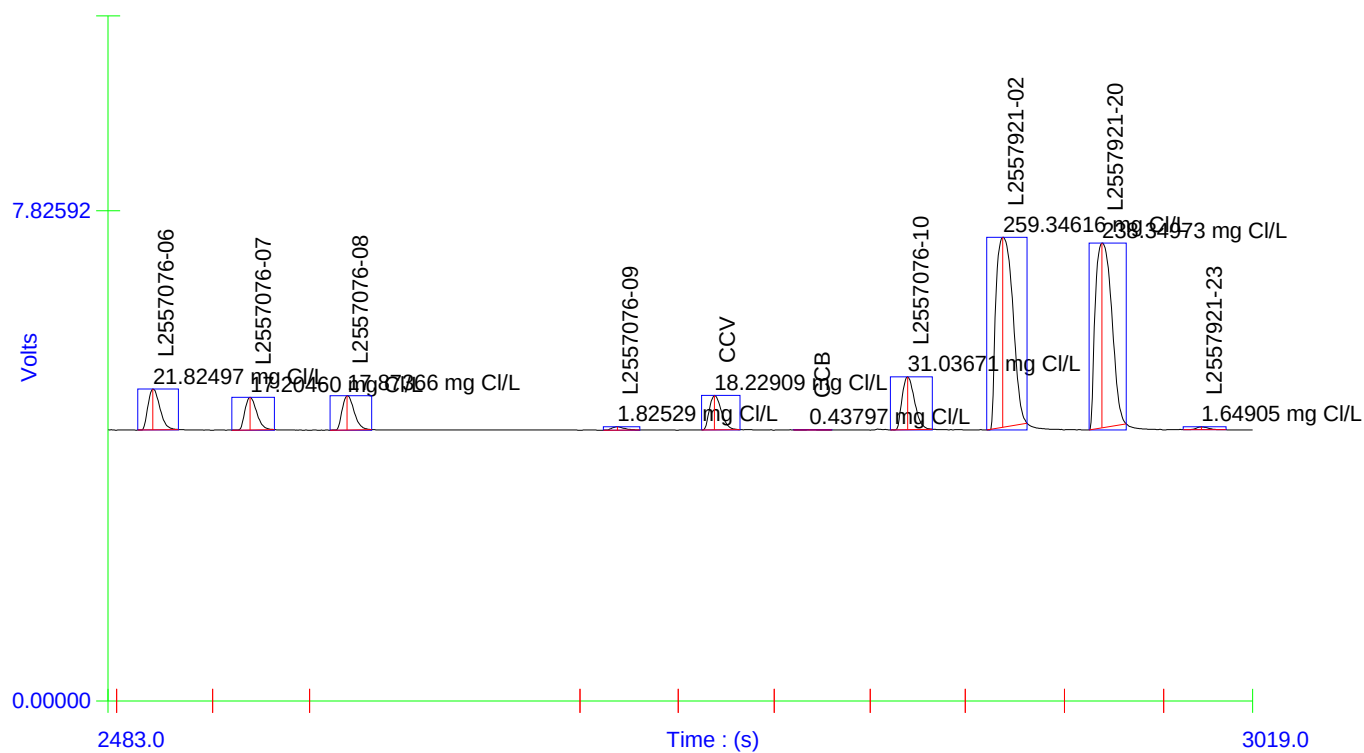
Author:

Date : 9/24/2025

Channel 1 (Chloride) - Set: 4 / 22



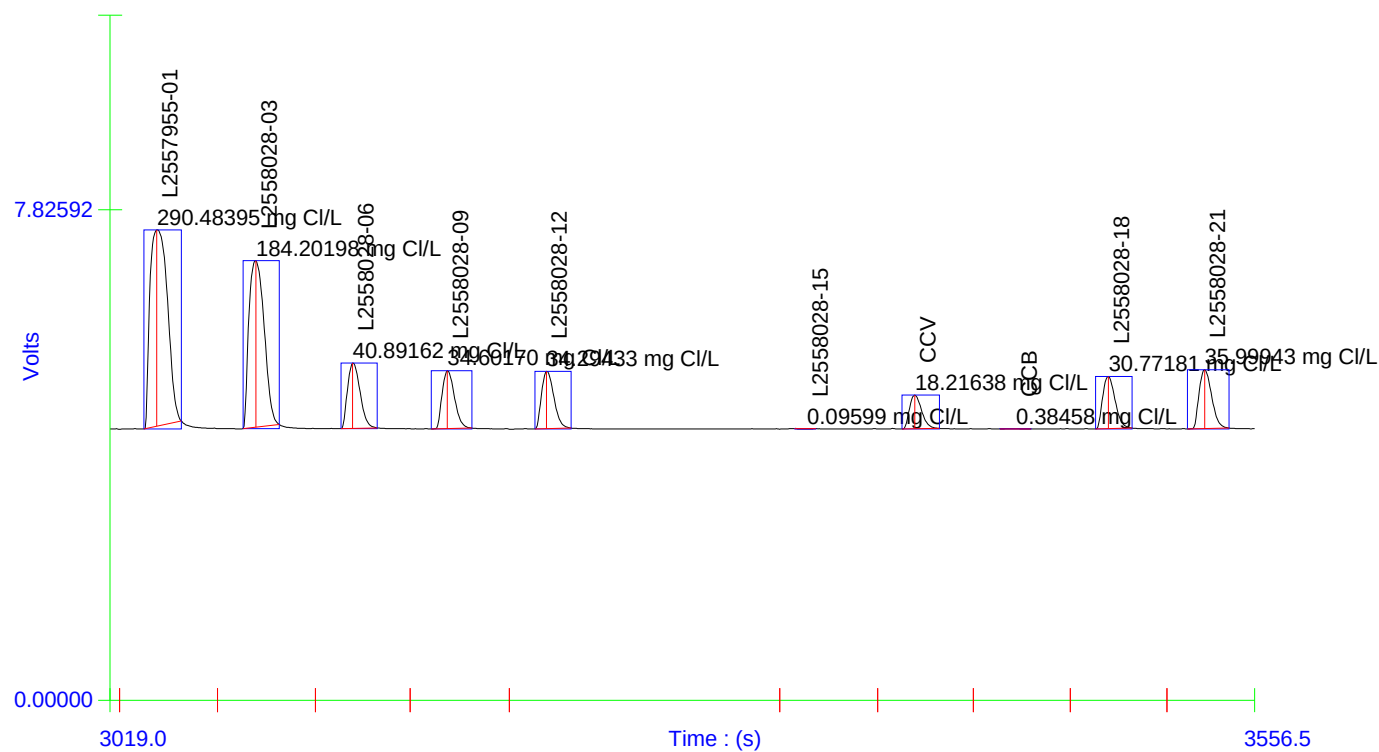
Channel 1 (Chloride) - Set: 5 / 22



Author:

Date : 9/24/2025

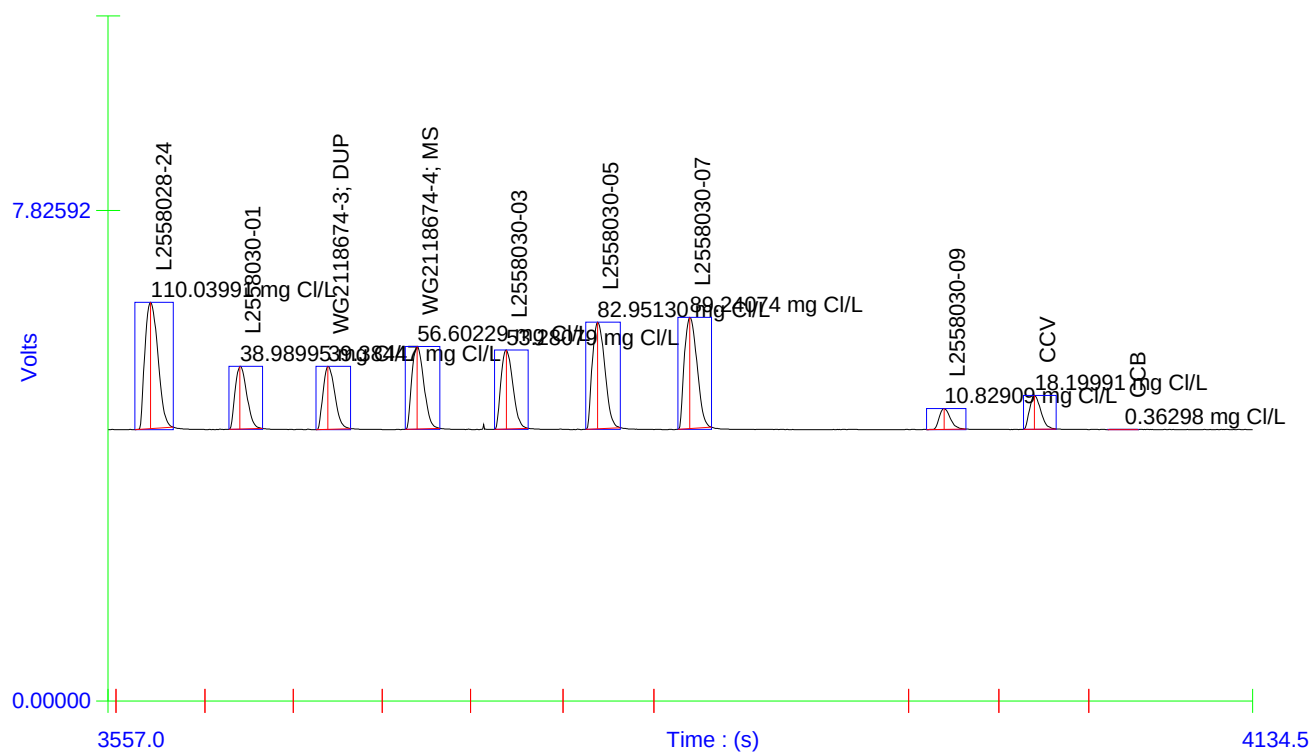
Channel 1 (Chloride) - Set: 6 / 22



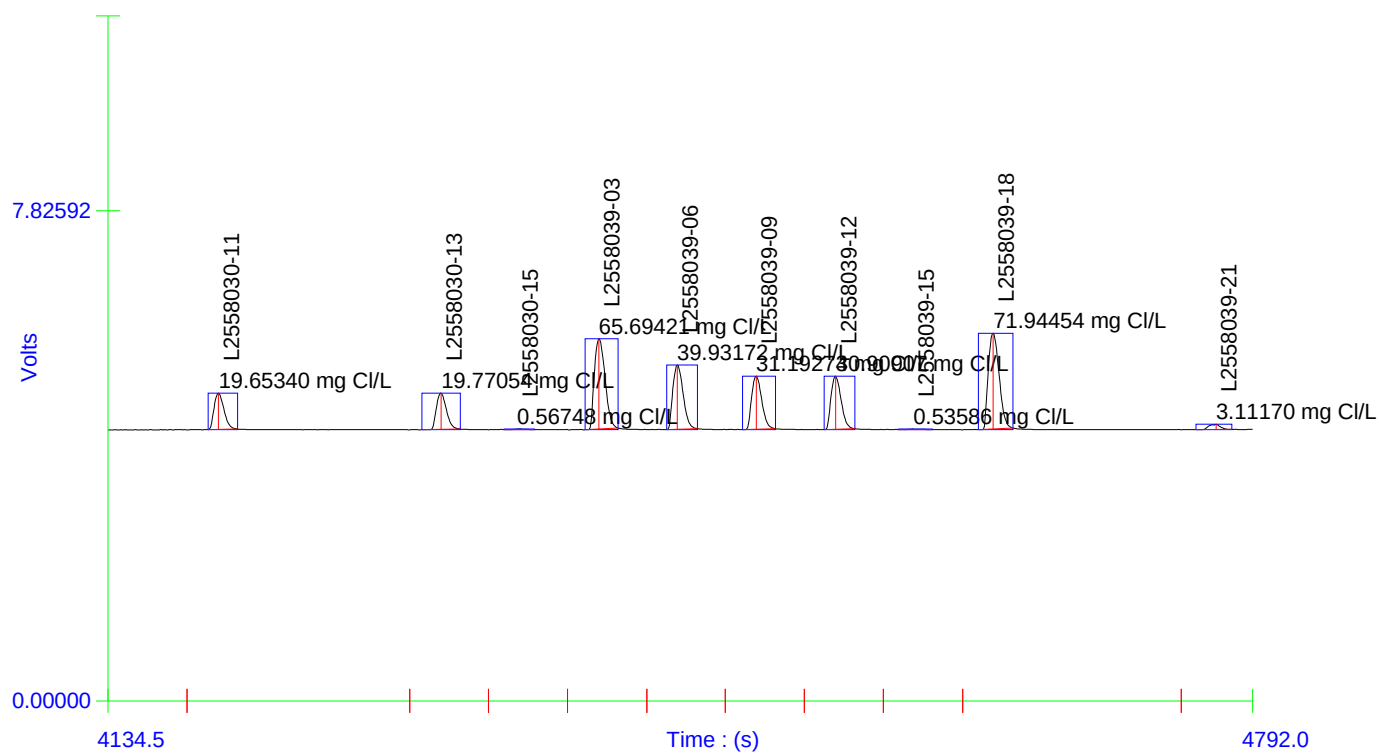
Author:

Date : 9/24/2025

Channel 1 (Chloride) - Set: 7 / 22



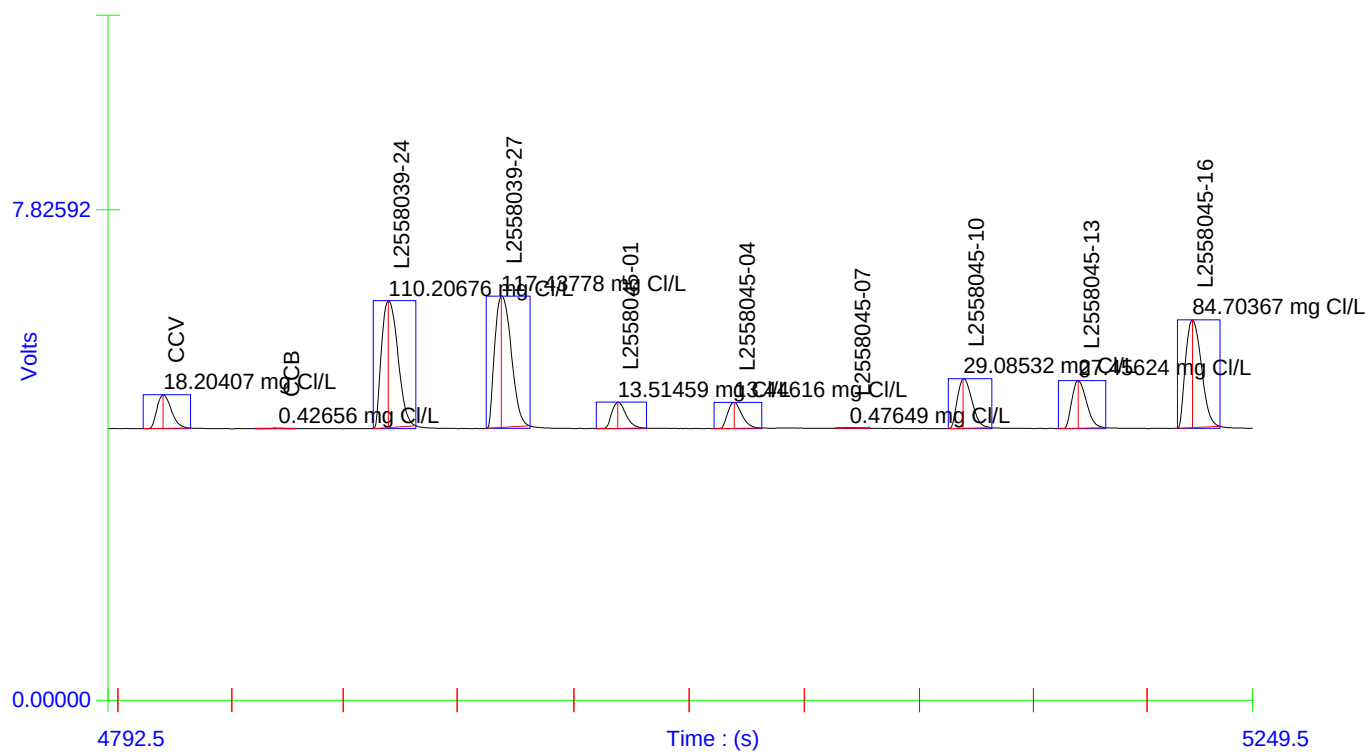
Channel 1 (Chloride) - Set: 8 / 22



Author:

Date : 9/24/2025

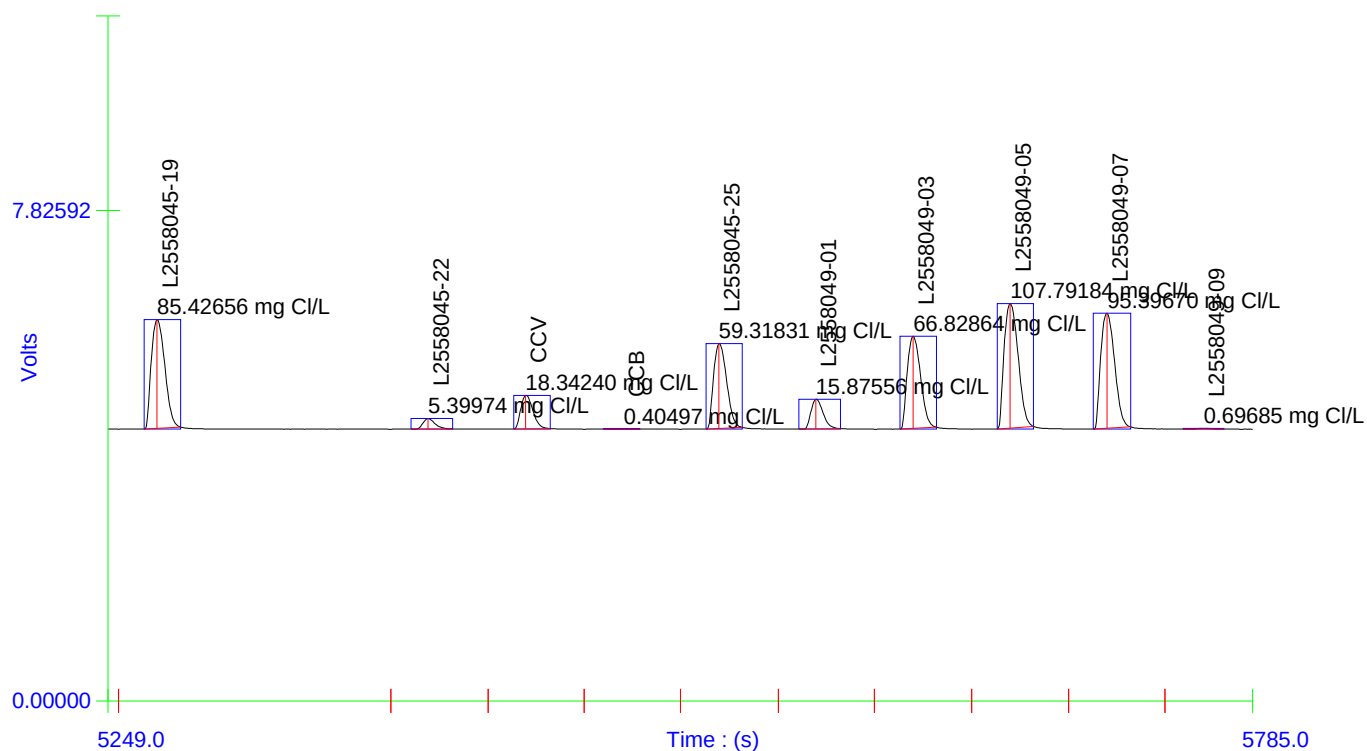
Channel 1 (Chloride) - Set: 9 / 22



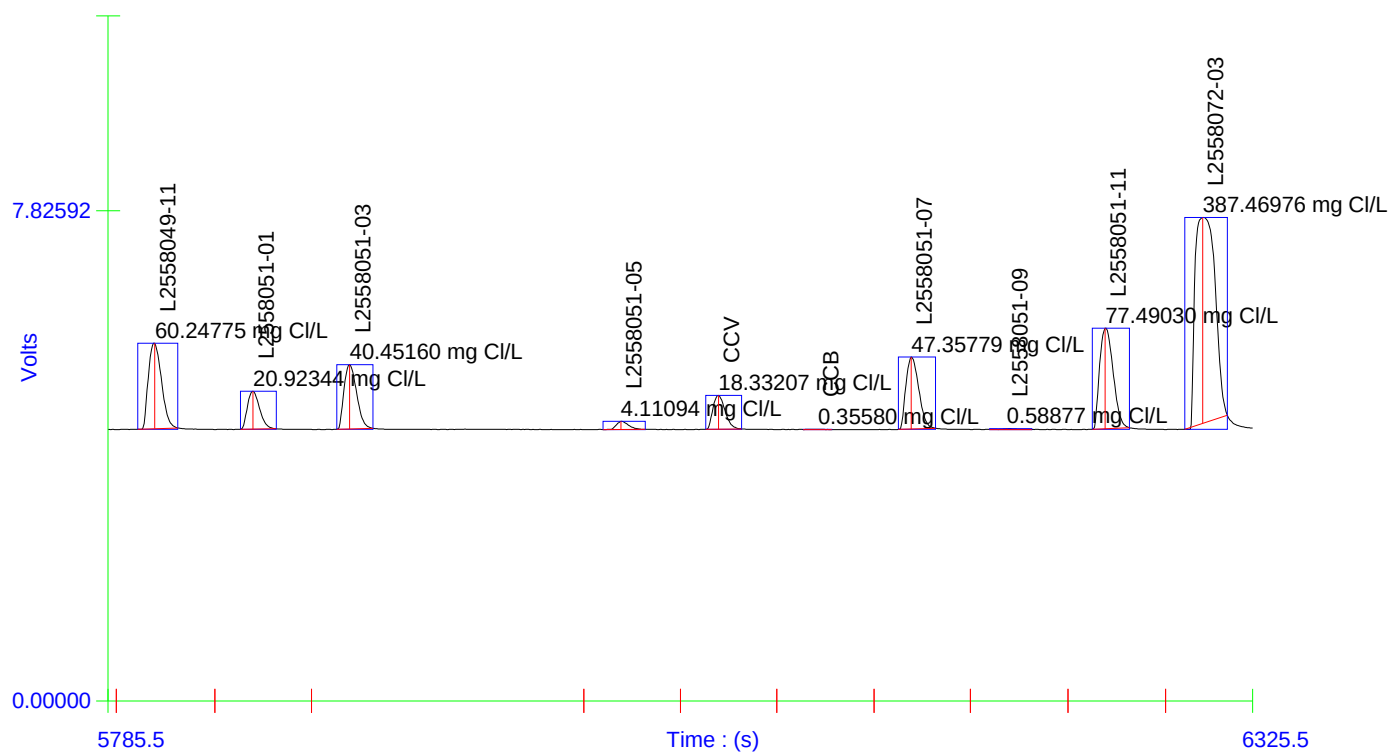
Author:

Date : 9/24/2025

Channel 1 (Chloride) - Set: 10 / 22



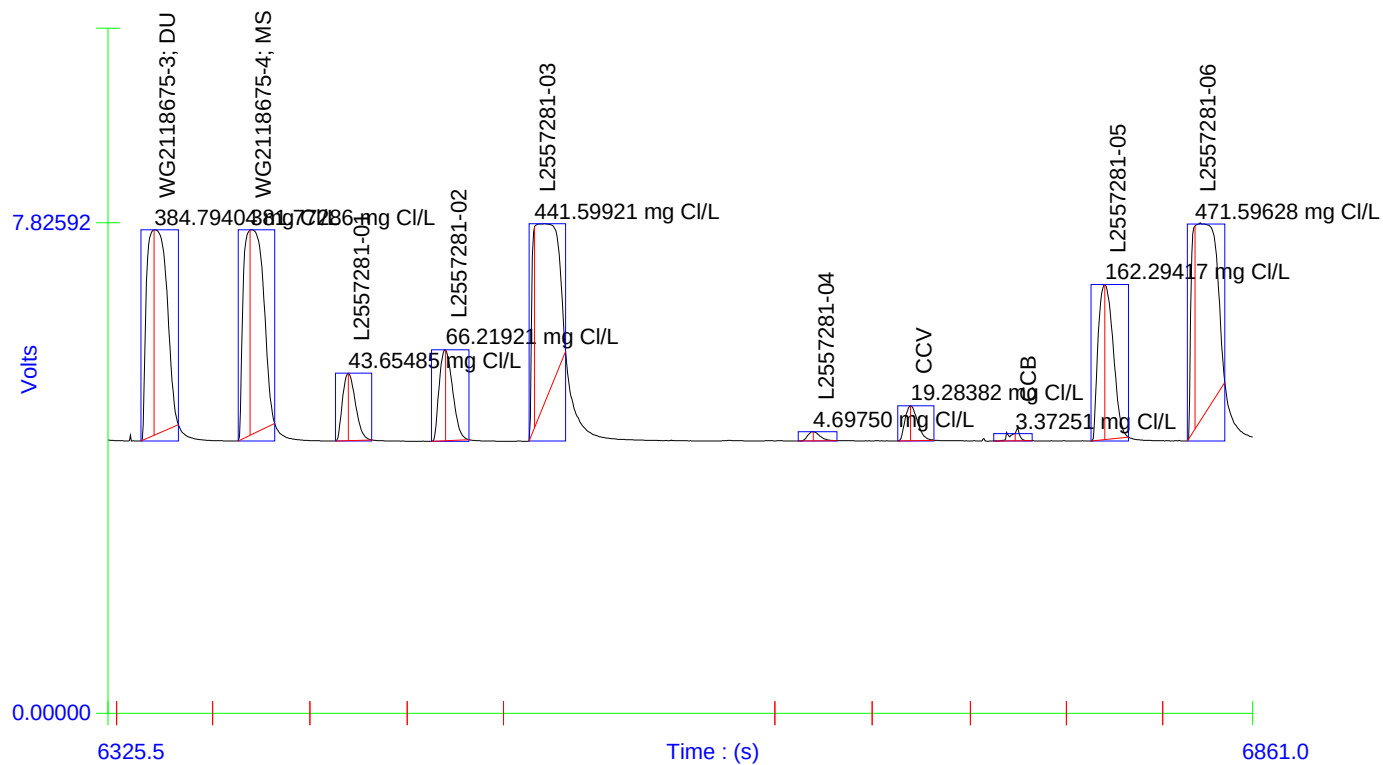
Channel 1 (Chloride) - Set: 11 / 22



Author:

Date : 9/24/2025

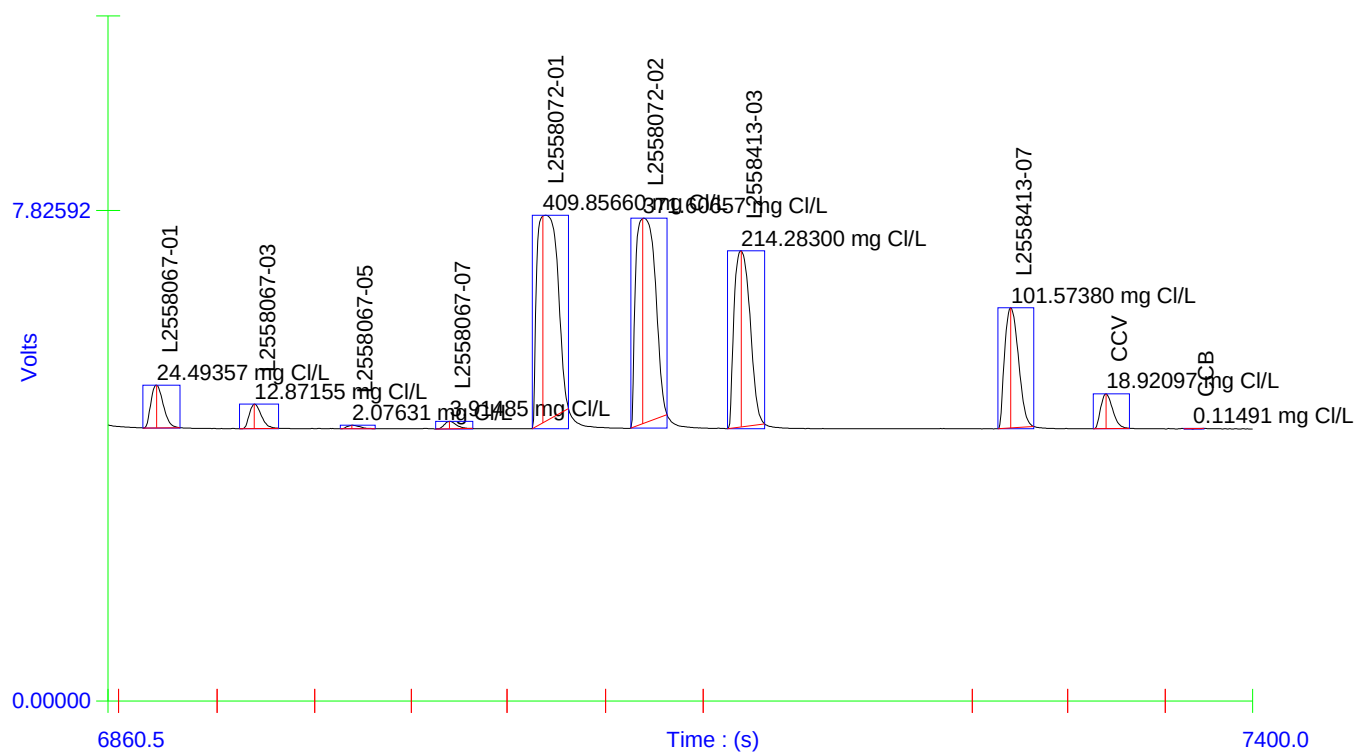
Channel 1 (Chloride) - Set: 12 / 22



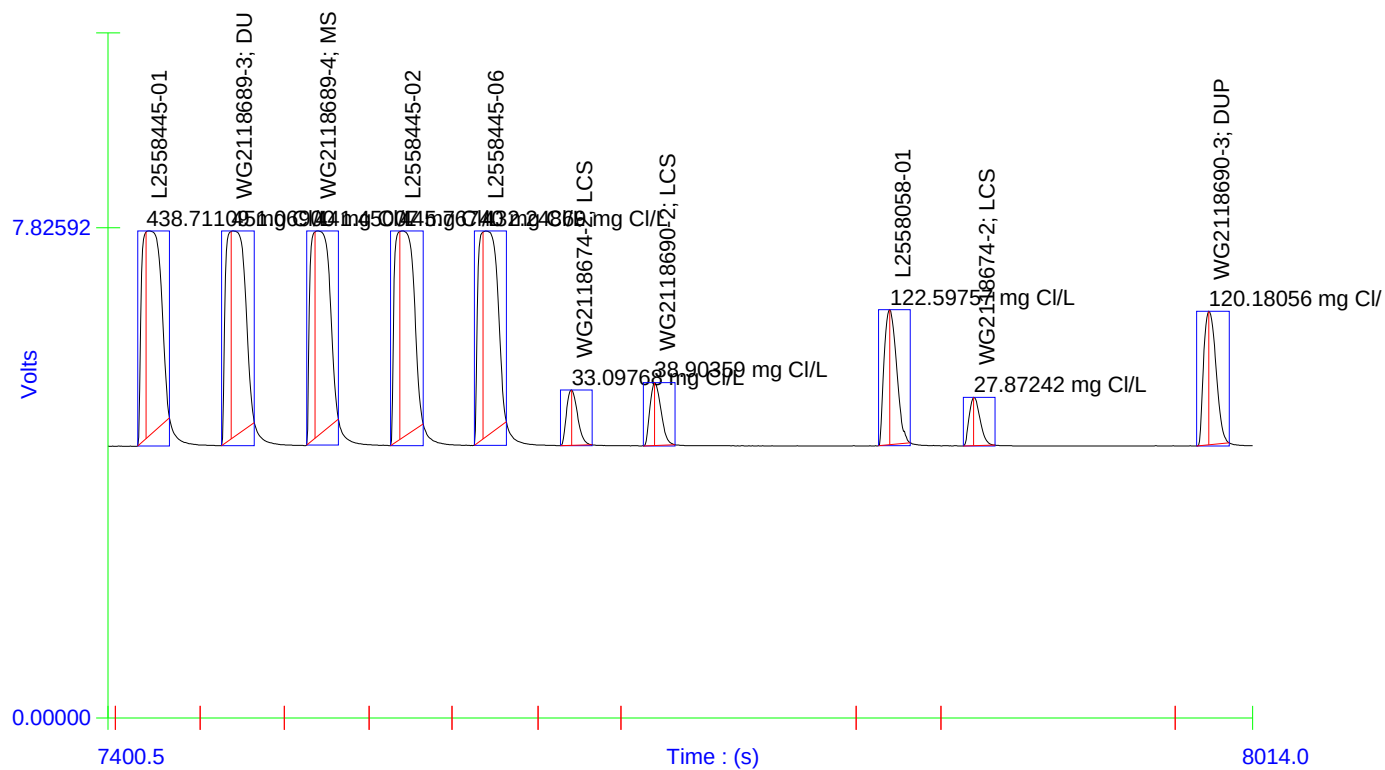
Author:

Date : 9/24/2025

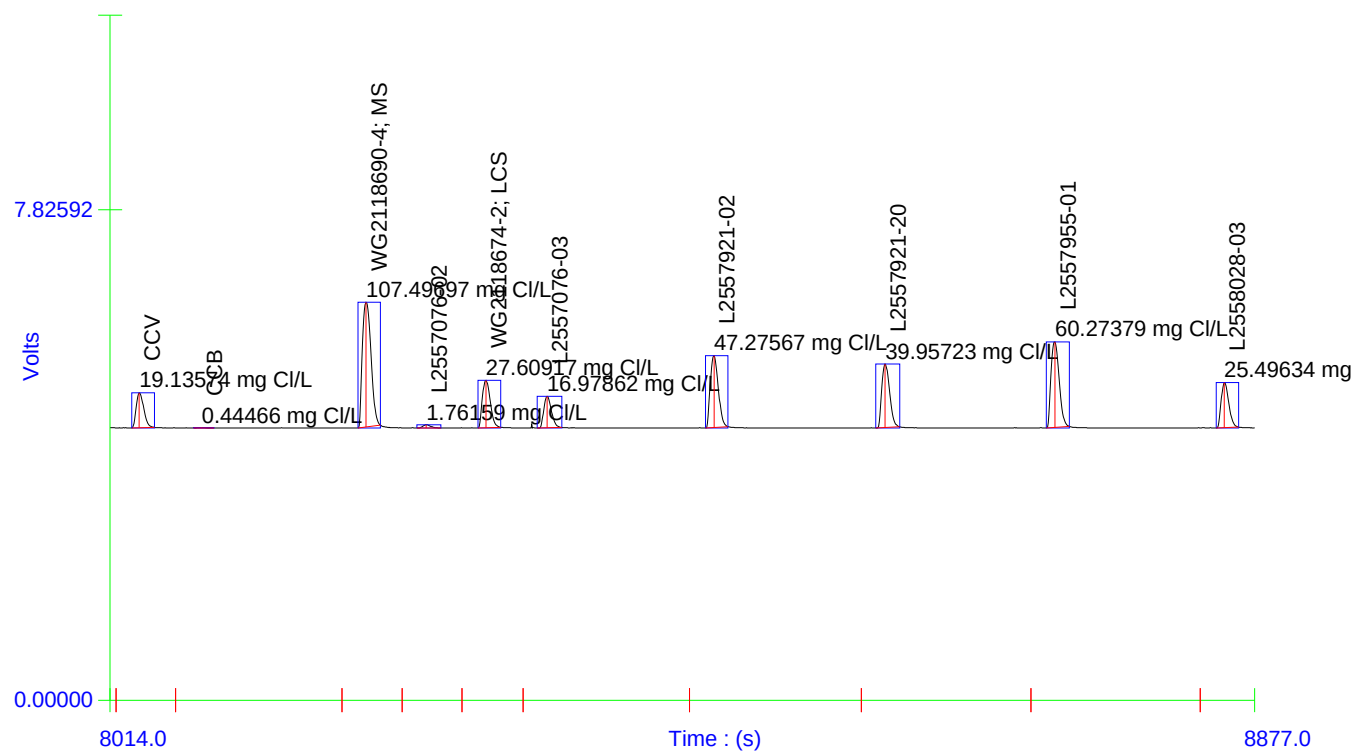
Channel 1 (Chloride) - Set: 13 / 22



Channel 1 (Chloride) - Set: 14 / 22



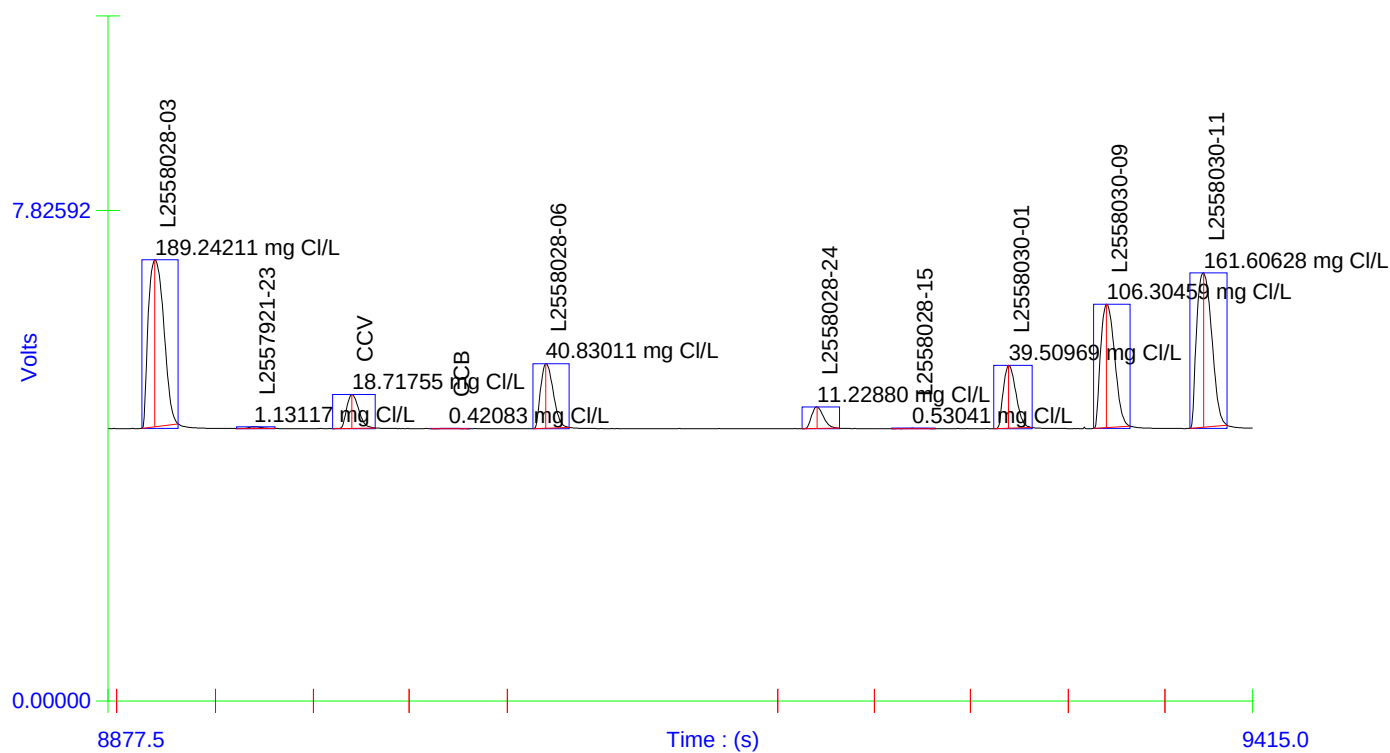
Channel 1 (Chloride) - Set: 15 / 22



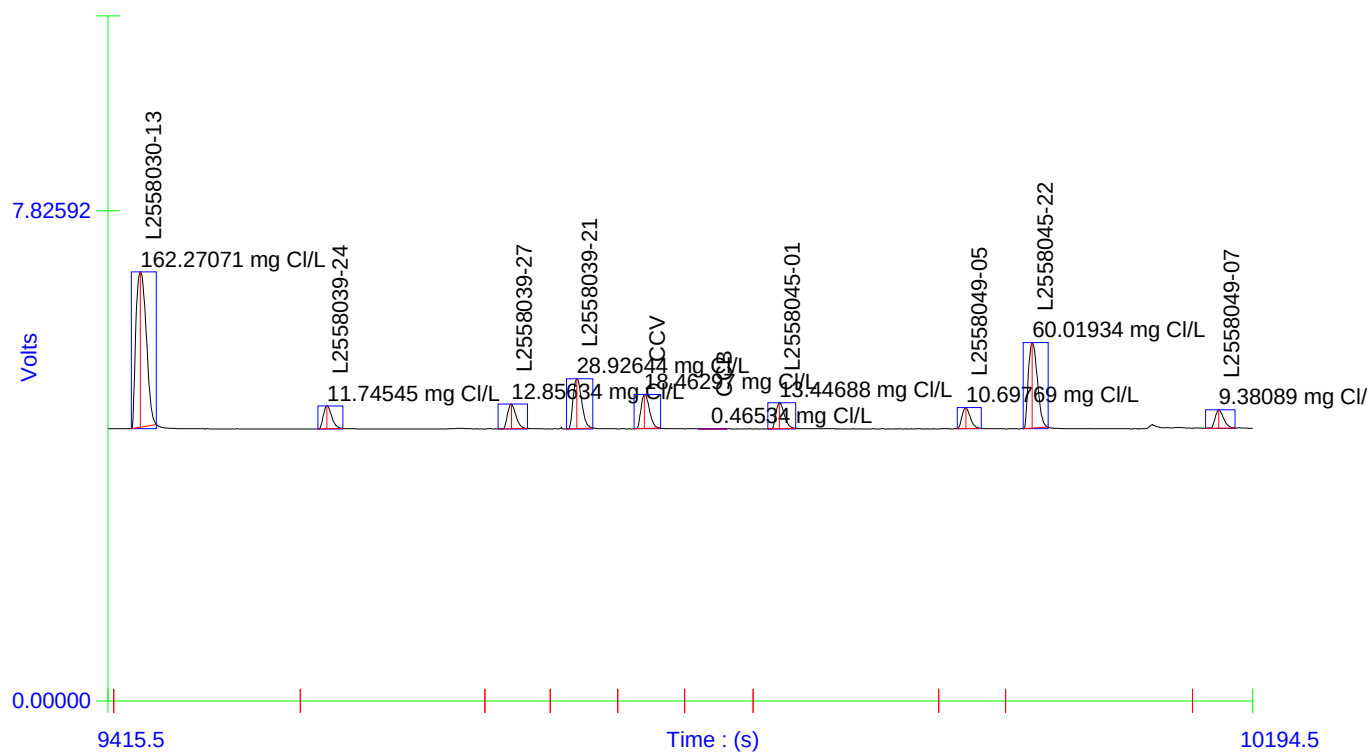
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Date : 9/24/2025

Channel 1 (Chloride) - Set: 16 / 22



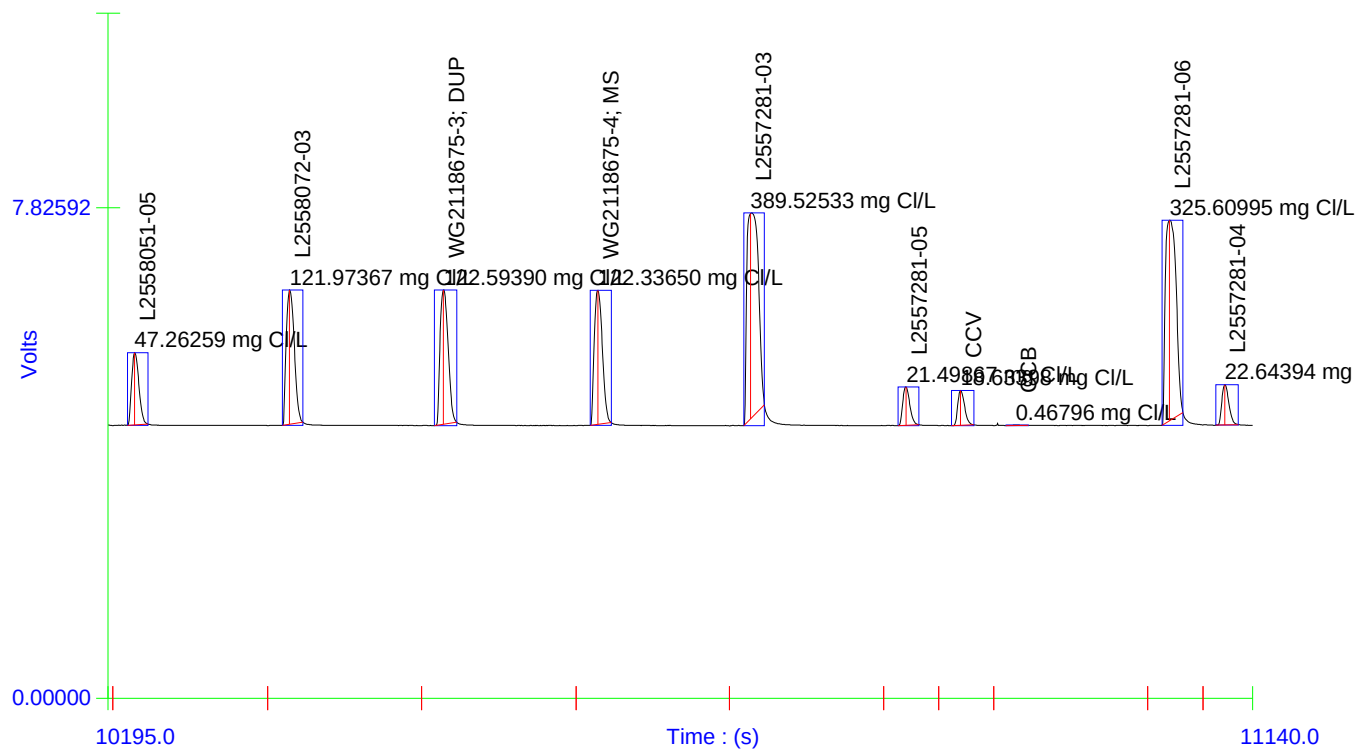
Channel 1 (Chloride) - Set: 17 / 22



Author:

Date : 9/24/2025

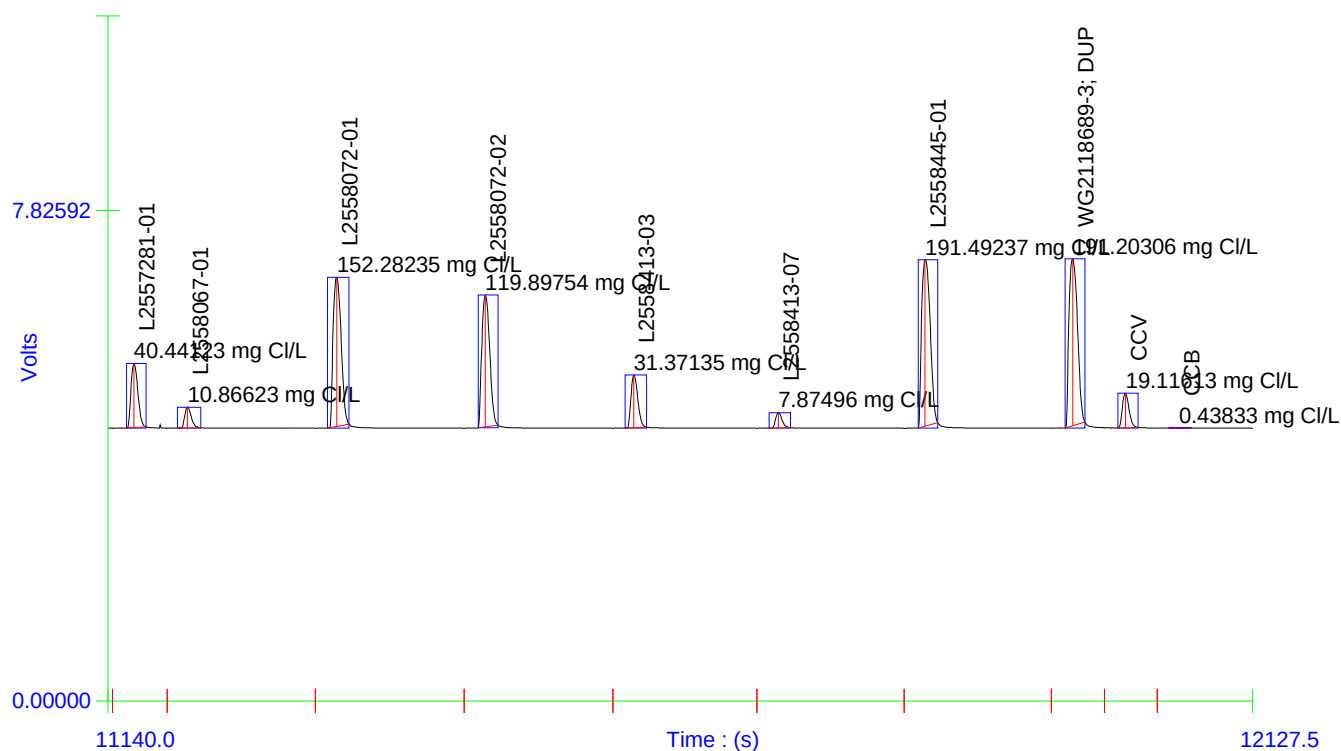
Channel 1 (Chloride) - Set: 18 / 22



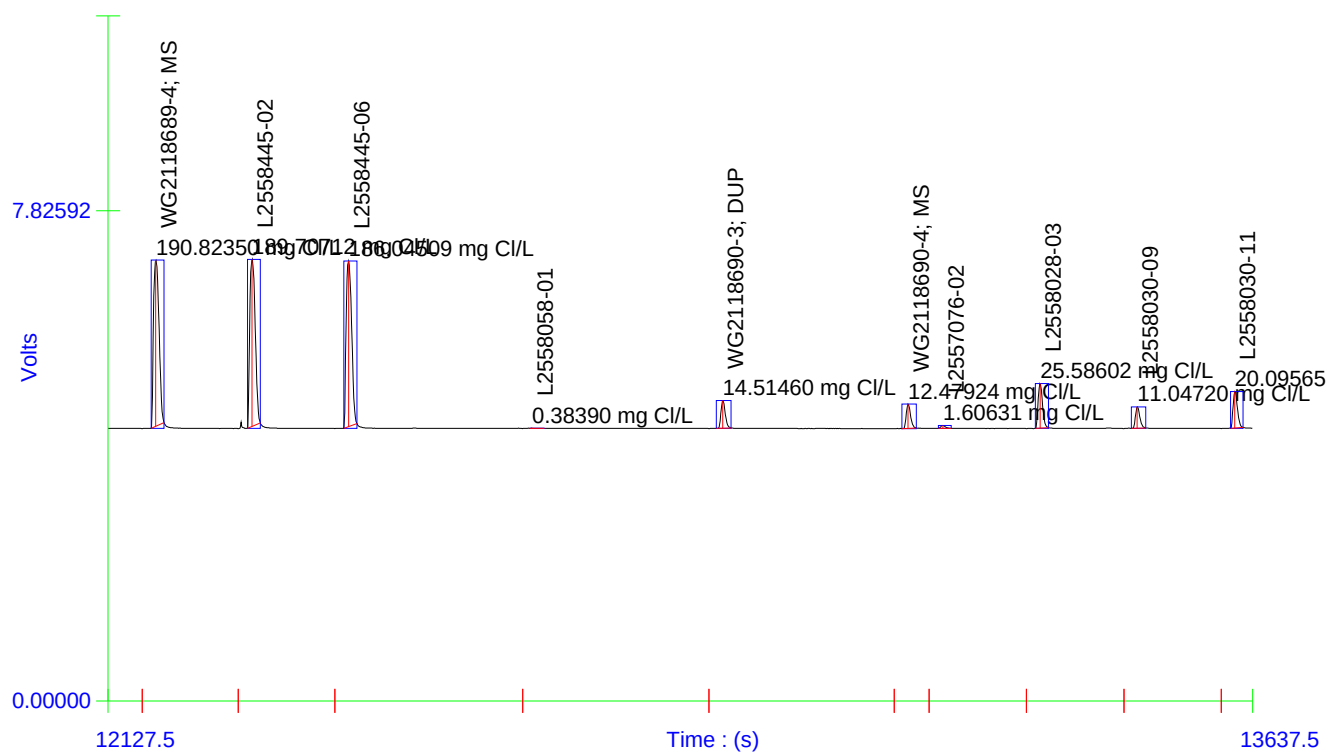
Author:

Date : 9/24/2025

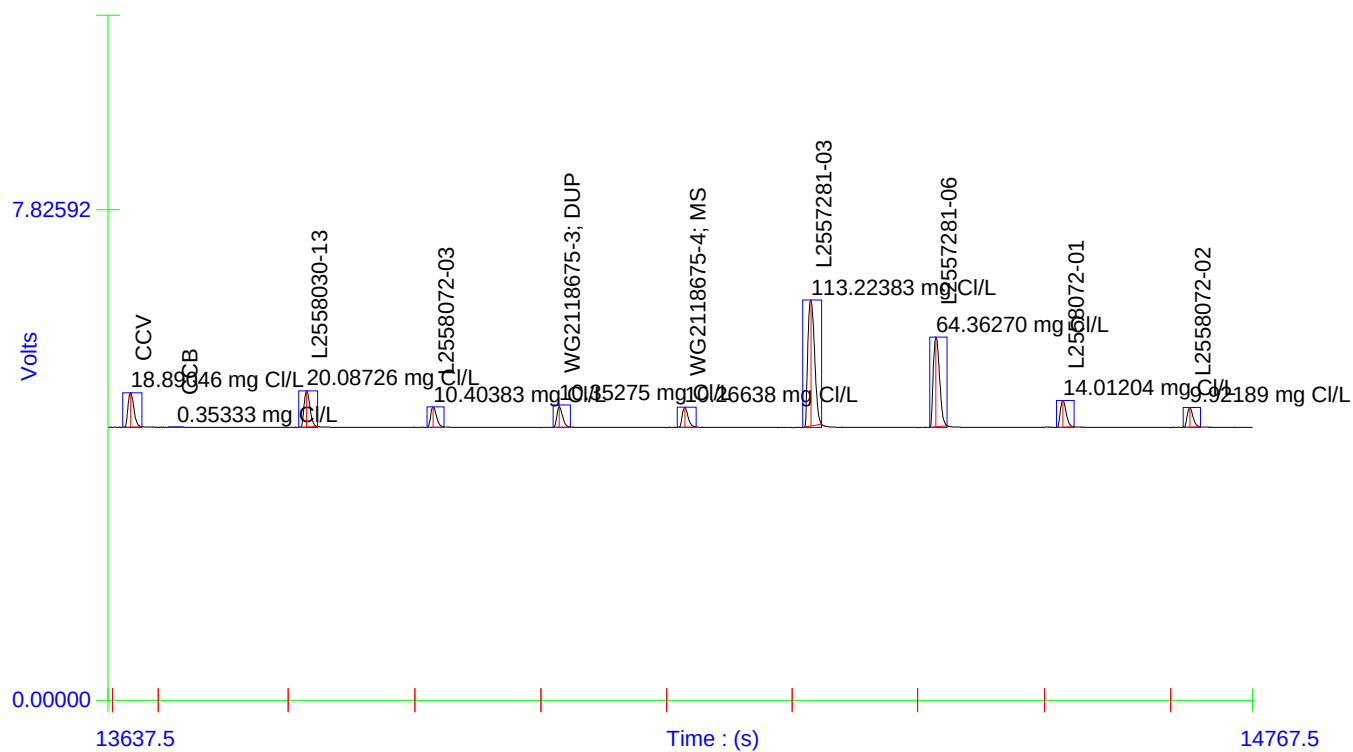
Channel 1 (Chloride) - Set: 19 / 22



Channel 1 (Chloride) - Set: 20 / 22



Channel 1 (Chloride) - Set: 21 / 22



Channel 1 (Chloride) - Set: 22 / 22

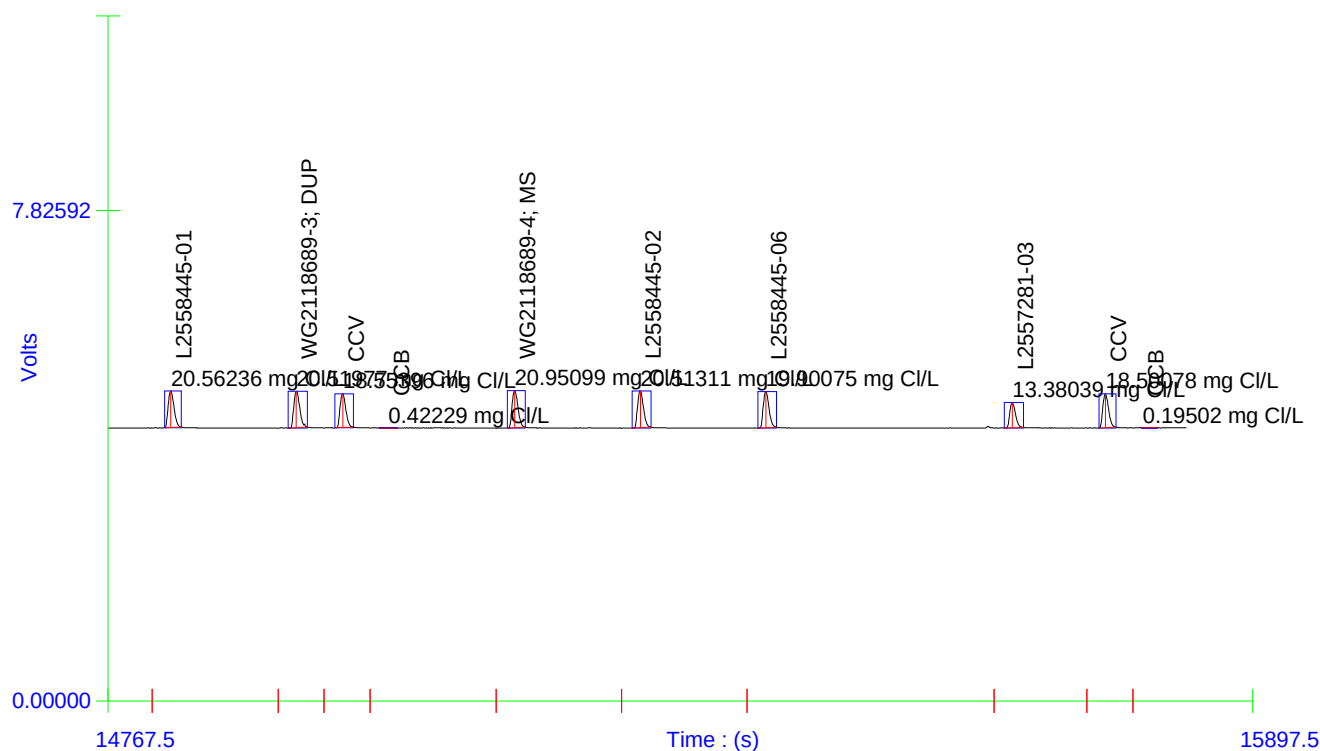
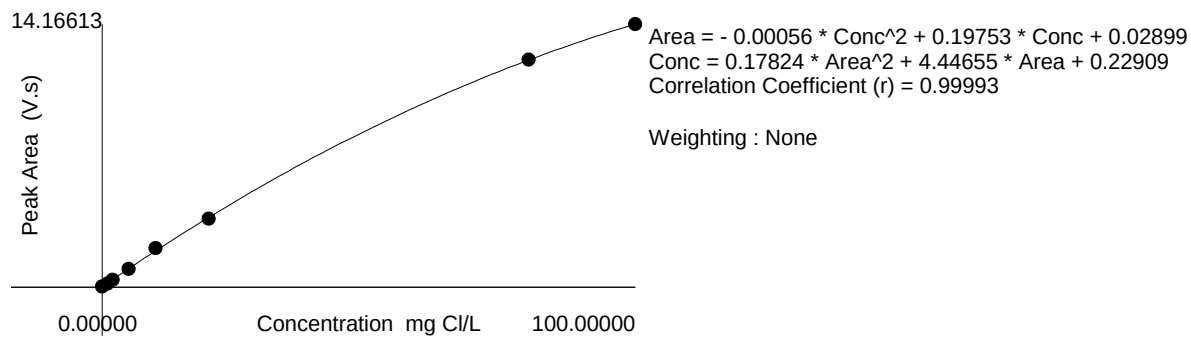


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.16613	1.84454	0.0	0.0	98.98877	9/23/2025	11:34:05 PM
2	80.00000	1	12.24890	1.64221	0.0	-0.1	81.43694	9/23/2025	11:34:50 PM
3	20.00000	1	3.67414	0.55493	0.0	2.2	18.97248	9/23/2025	11:35:36 PM
4	10.00000	1	2.09434	0.31464	0.0	-7.5	10.32348	9/23/2025	11:36:23 PM
5	5.00000	1	0.98341	0.14789	0.0	1.9	4.77424	9/23/2025	11:37:09 PM
6	2.00000	1	0.39875	0.05777	0.0	5.5	2.03052	9/23/2025	11:37:55 PM
7	1.00000	1	0.19479	0.02789	0.0	13.8	1.10198	9/23/2025	11:38:43 PM
8	0.00000	1	0.03200	0.00382			0.37158	9/23/2025	11:39:28 PM

Figure : 1 (Chloride-CH3)



Author:

Date : 9/25/2025

Original Run Filename: OM_9-25-2025_04-13-28PM.OMN Created: 9/25/2025 4:13:28 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-25-2025_04-13-28PM.OMN Last Modified: 9/25/2025 4:31:49 PM

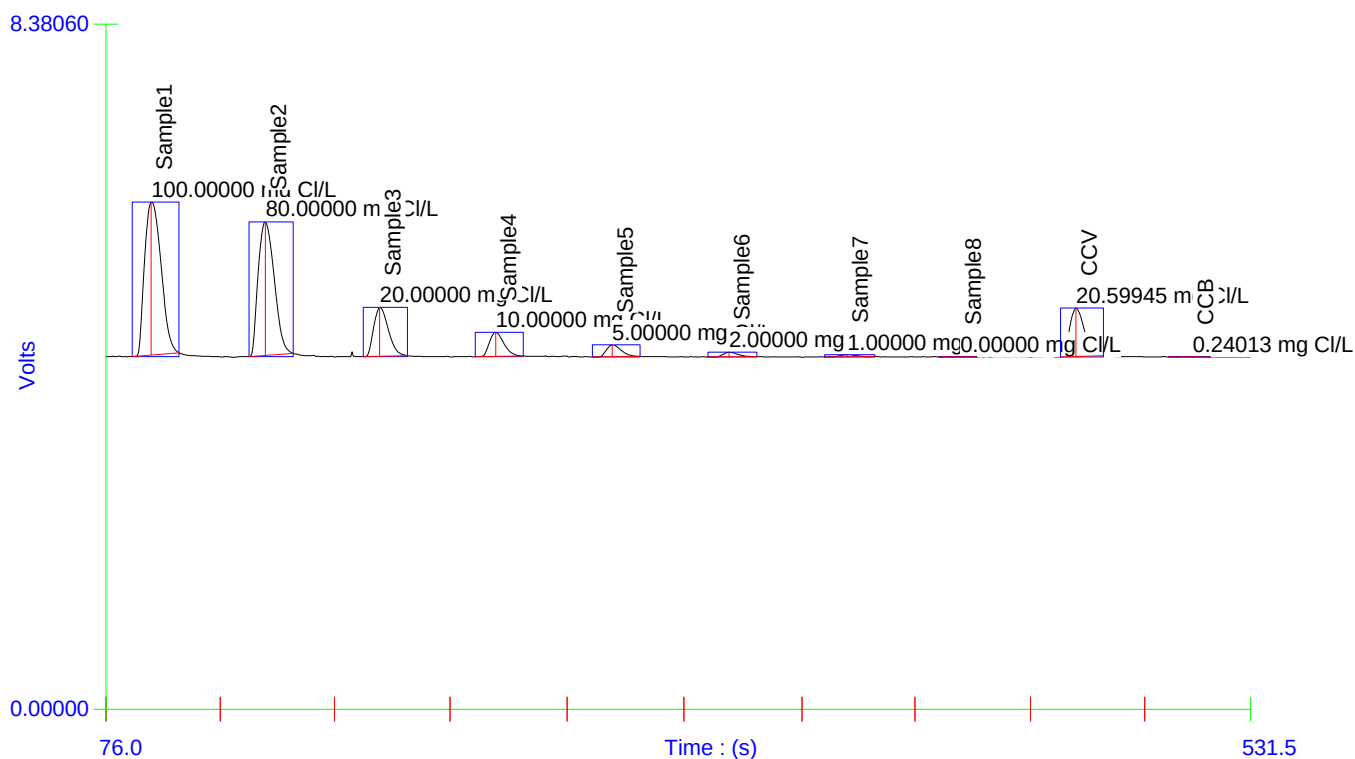
Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Calibration Only:

Sample	Rep.	Cup No.	Channel 1 Chloride- CH3 (mg Cl/L)	ADF	MDF	Weight
Sample1	1	S1	100.00000			
Sample2	1	S2	80.00000			
Sample3	1	S3	20.00000			
Sample4	1	S4	10.00000			
Sample5	1	S5	5.00000			
Sample6	1	S6	2.00000			
Sample7	1	S7	1.00000			
Sample8	1	S9	0.00000			
CCV	1	S3	20.59945			
Known Conc:			20.00000			
Calibration:			Table/Fig. : 1			
CCB	1	S9	0.24013			
Known Conc:			0.00000			
ICV-5	1	1	4.65558			
ICV-30	1	2	1.12041			
ICV-80	1	3	75.82219			
ICB	1	4	0.37227			
1000 PPM	1	5	694.97015	100.00		
100 PPM	1	6	97.51744	10.00		
WG2119736/39-1	1	7	0.22259			
WG2119736/39-2	1	8	0.74850			

Channel 1 (Chloride) - Set: 1 / 2



Channel 1 (Chloride) - Set: 2 / 2

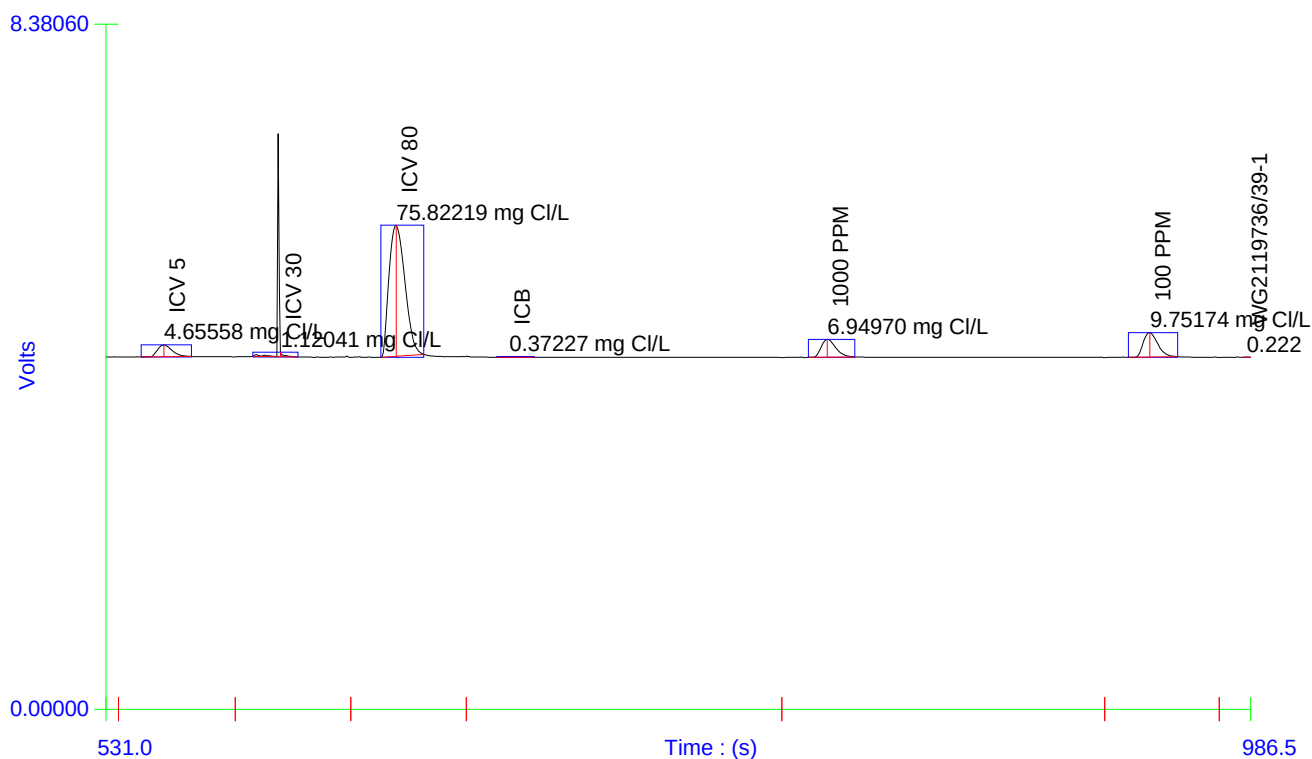
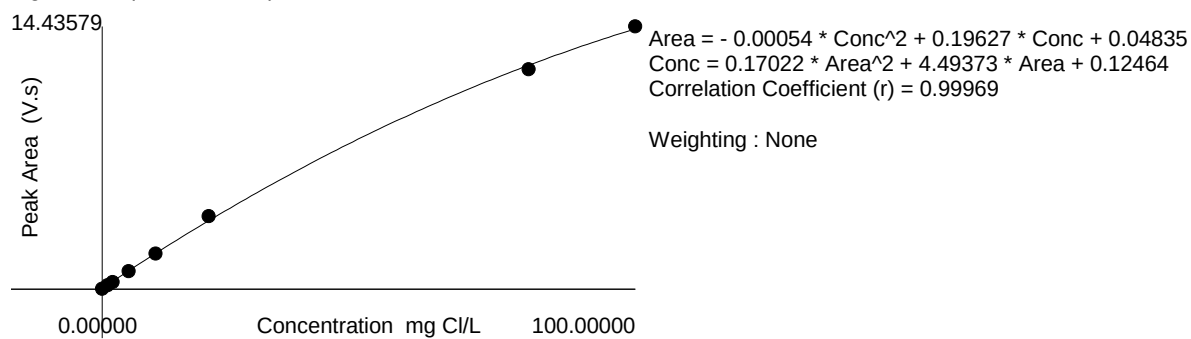


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.43579	1.87311	0.0	-1.0	100.46701	9/25/2025	4:14:58 PM
2	80.00000	1	12.08020	1.63582	0.0	1.9	79.24973	9/25/2025	4:15:44 PM
3	20.00000	1	4.01098	0.59909	0.0	-6.7	20.88735	9/25/2025	4:16:28 PM
4	10.00000	1	1.94715	0.29546	0.0	0.5	9.51997	9/25/2025	4:17:15 PM
5	5.00000	1	0.98470	0.14805	0.0	3.1	4.71467	9/25/2025	4:18:01 PM
6	2.00000	1	0.39065	0.05666	0.0	11.0	1.90612	9/25/2025	4:18:48 PM
7	1.00000	1	0.20588	0.02866	0.0	15.6	1.05703	9/25/2025	4:19:36 PM
8	0.00000	1	0.01634	0.00218			0.19813	9/25/2025	4:20:20 PM

Figure : 1 (Chloride-CH3)



Author:

Date : 9/25/2025

Original Run Filename: OM_9-25-2025_04-32-15PM.OMN Created: 9/25/2025 4:32:15 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-25-2025_04-32-15PM.OMN Last Modified: 9/25/2025 6:31:11 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride- CH3 (mg Cl/L)	ADF	MDF	Weight
CCV	1	S3	20.73819			
	Known Conc:		20.00000			
CCB	1	S9	0.23647			
	Known Conc:		0.00000			
	Calibration:		Table/Fig. : 1			
ICV 5	1	1	4.55309			
ICV 30	1	2	29.48380			
ICV 80	1	3	77.82568			
ICB	1	4	0.35190			
1000 PPM	1	5	681.22046	100.00		
100 PPM	1	6	97.41479	10.00		
WG2119736/39-1	1	7	0.20741			
WG2119736/39-2	1	8	31.55203			
WG2119737/42-1	1	9	0.24378			
WG2119737/42-2	1	10	30.28660			
CCV	1	S3	20.92239			
	Known Conc:		20.00000			
CCB	1	S9	0.23056			
	Known Conc:		0.00000			
L2558072-02	1	13	1509.93042	10.00		
WG2119736-3	1	14	1532.68823	10.00		
WG2119736-4	1	15	1516.87744	10.00		
L2558413-07	1	16	362.08673			
L2558776-03	1	17	445.70169			
L2558776-04	1	18	101.54567			
L2558776-08	1	19	433.48706			
L2558776-09	1	20	431.83893			
L2558379-06	1	21	8.19510			
WG2119737-3	1	22	4.75516	10.00		
CCV	1	S3	20.95234			
	Known Conc:		20.00000			
CCB	1	S9	0.25825			
	Known Conc:		0.00000			
L2558379-06	1	21	0.25567			
WG2119737-3	1	22	0.23613			
WG2119737-4	1	23	20.18076			
L2558396-01	1	24	118.29747			
WG2119739-3	1	25	118.80116			
WG2119739-4	1	26	131.92134			
L2558396-02	1	27	128.90207			
WG2119739-5	1	28	128.37390			
WG2119739-6	1	29	138.99370			
L2558396-03	1	30	36.83644	10.00		
CCV	1	S3	20.47660			
	Known Conc:		20.00000			
CCB	1	S9	0.12120			
	Known Conc:		0.00000			
L2558396-04	1	31	133.98402			
L2558396-05	1	32	7.71803			
L2558396-06	1	33	114.98770			
L2558396-07	1	34	166.91124			
L2558396-08	1	35	103.12132			
L2558396-09	1	36	118.09524			
L2558396-10	1	37	7.39278			
L2558396-11	1	38	19.42984			
L2558396-12	1	39	85.91077			
L2558687-01	1	40	55.33290	10.00		
CCV	1	S3	20.60718			

91%

98%

97%

DC: 100ppm 97%

Author:

Date : 9/25/2025

	Known Conc:		20.00000			
CCB	1	S9	0.31177			
	Known Conc:		0.00000			
L2558687-02	1	41	62.69717			
L2558687-04	1	42	77.84212			
L2558687-06	1	43	79.55125			
L2558702-01	1	44	13.54325			
WG2119742-3	1	45	13.23613			
WG2119742-4	1	46	34.54906			
L2558702-02	1	47	4.04359			
WG2119742-5	1	48	4.15322			
WG2119742-6	1	49	25.43123			
L2558702-03	1	50	26.58225			
CCV	1	S3	20.90877			
	Known Conc:		20.00000			
CCB	1	S9	0.21700			
	Known Conc:		0.00000			
L2558702-04	1	51	19.81171			
L2558702-05	1	52	37.04000			
L2558702-06	1	53	2.34509			
L2558702-07	1	54	5.81902			
L2558702-08	1	55	26.90392			
WG2119075-1; 5.3441	1	56	21.21479			0.10688 g
WG2119075-2; 5.3113	1	57	412.37241			0.10623 g
L2558292-01; 5.2291	1	58	12.26491			0.10458 g
WG2119075-3; 5.5462	1	59	10.94454			0.11092 g
WG2119075-4; 5.7149	1	60	10.67634			0.11430 g
CCV	1	S3	20.49914			
	Known Conc:		20.00000			
CCB	1	S9	0.36428			
	Known Conc:		0.00000			
L2558058-01; 1.0390	1	61	1.14643e+5	10.00	10.00	0.02008 g
L2557076-02	1	11	0.11261			
L2557076-09	1	12	20.33517			
L2558776-04	1	18	94.17351	10.00		
L2558396-01	1	24	123.64391	10.00		
WG2119739-3	1	25	123.60678	10.00		
WG2119739-4	1	26	140.59903	10.00		
L2558396-02	1	27	138.52647	10.00		
WG2119739-5	1	28	140.37991	10.00		
WG2119739-6	1	29	155.15198	10.00		
CCV	1	S3	20.79194			
	Known Conc:		20.00000			
CCB	1	S9	0.26315			
	Known Conc:		0.00000			
L2558396-03	1	30	43.49655			
L2558396-04	1	31	149.71754	10.00		
L2558396-05	1	32	7.31047			
L2558396-06	1	33	118.67012	10.00		
L2558396-07	1	34	207.55536	10.00		
L2558396-08	1	35	103.45085	10.00		
L2558396-09	1	36	124.89857	10.00		
L2558396-10	1	37	6.93055			
L2558687-01	1	40	54.32981	10.00		
L2558292-01; 5.2291	1	58	8.88794			0.10458 g
CCV	1	S3	20.49369			
	Known Conc:		20.00000			
CCB	1	S9	0.21943			
	Known Conc:		0.00000			
WG2119075-3; 5.5462	1	59	11.00209			0.11092 g
WG2119075-4; 5.7149	1	60	388.92770			0.11430 g
WG2119075-1; 5.3441	1	56	4.11970			0.10688 g
L2558687-01	1	40	62.02534			
L2558072-02	1	13	569.57727		100.00	
WG2119736-3	1	14	1900.04248		100.00	
L2558072-02	1	13	1956.59070		100.00	
WG2119736-4	1	15	1906.44678		100.00	
L2558413-07	1	16	1129.71863		100.00	

LCS TV:377, 109%

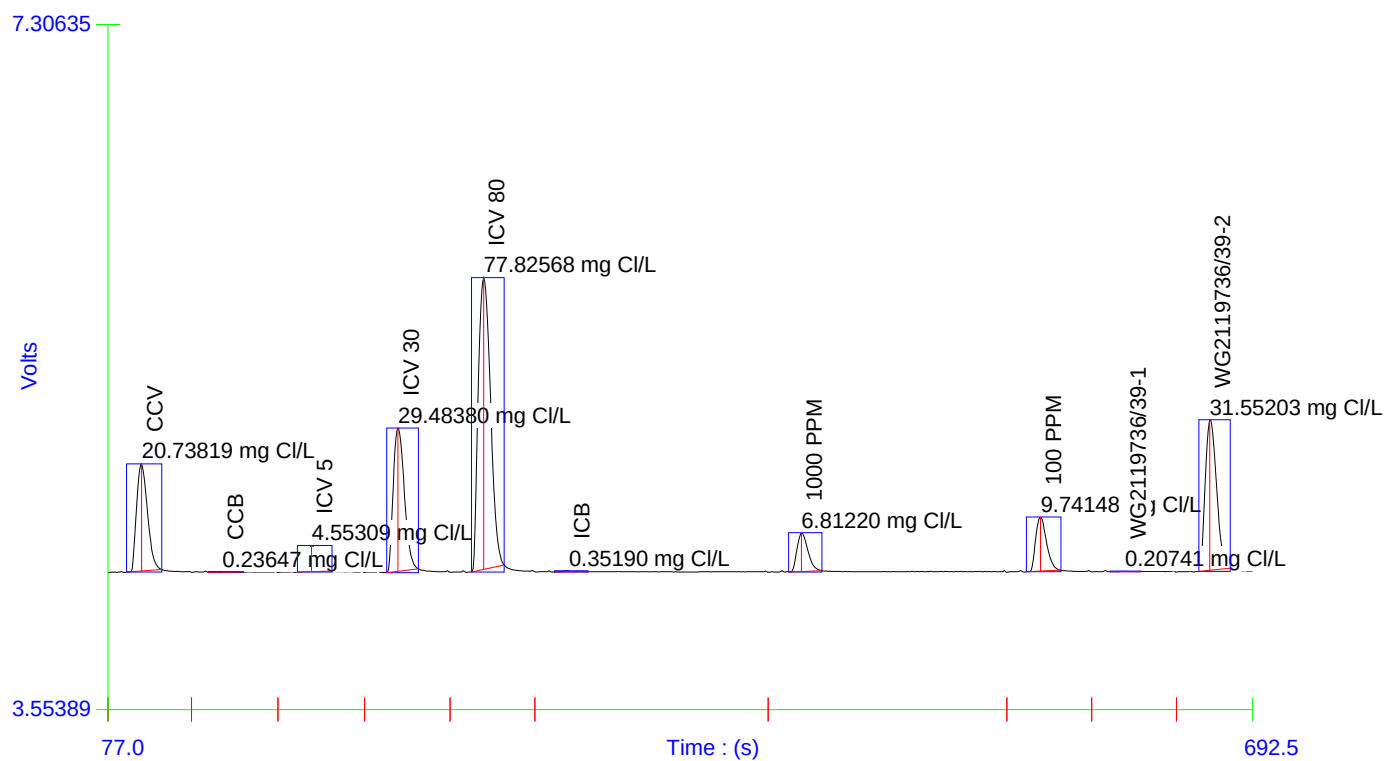
MS TV: 350, 111%

Author:

Date : 9/25/2025

L2558776-03	1	17	3063.73071		100.00	
CCV	1	S3	20.82351			
	Known Conc:		20.00000			
CCB	1	S9	0.06703			
	Known Conc:		0.00000			
L2558776-08	1	19	3532.03687		100.00	
L2558776-09	1	20	3428.63989		100.00	
CCV	1	S3	21.03264			
	Known Conc:		20.00000			
CCB	1	S9	0.04366			
	Known Conc:		0.00000			

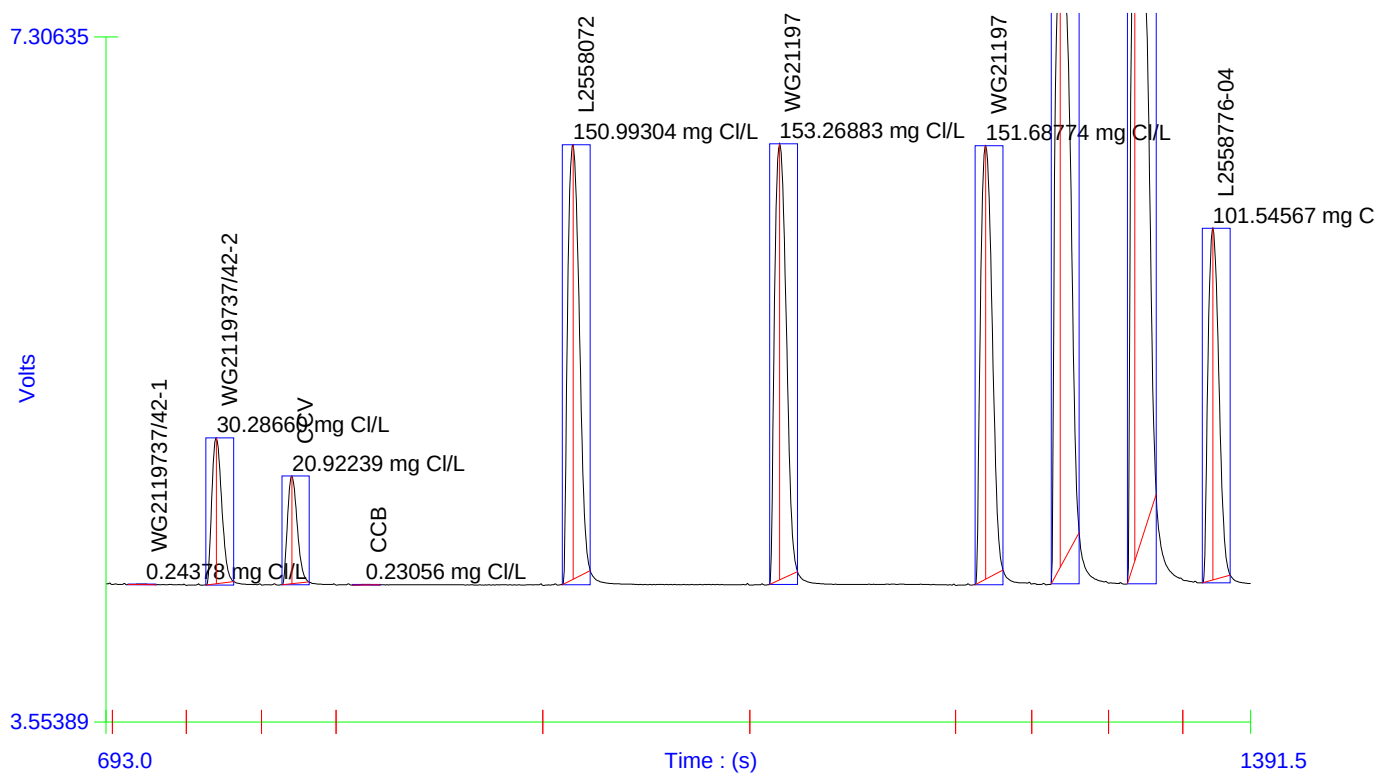
Channel 1 (Chloride) - Set: 1 / 12



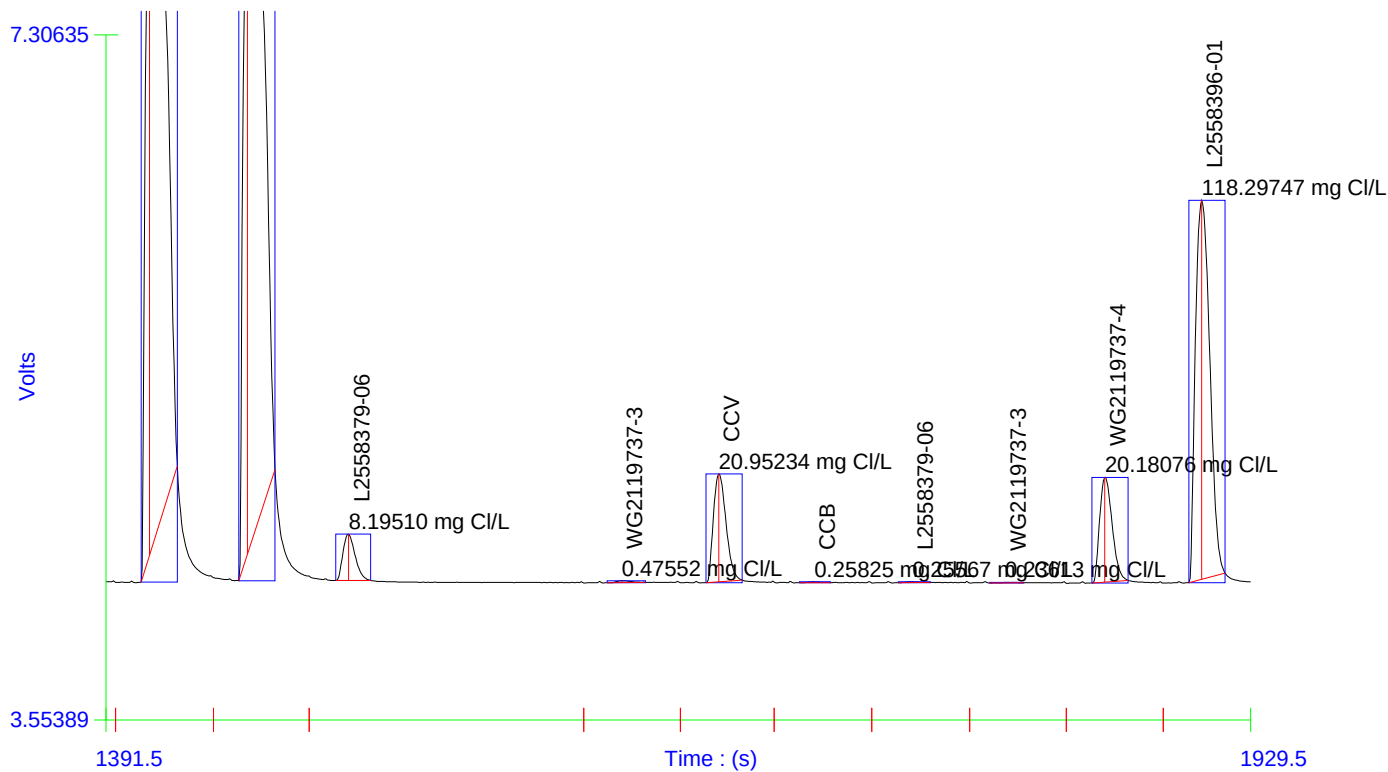
Author:

Date : 9/25/2025

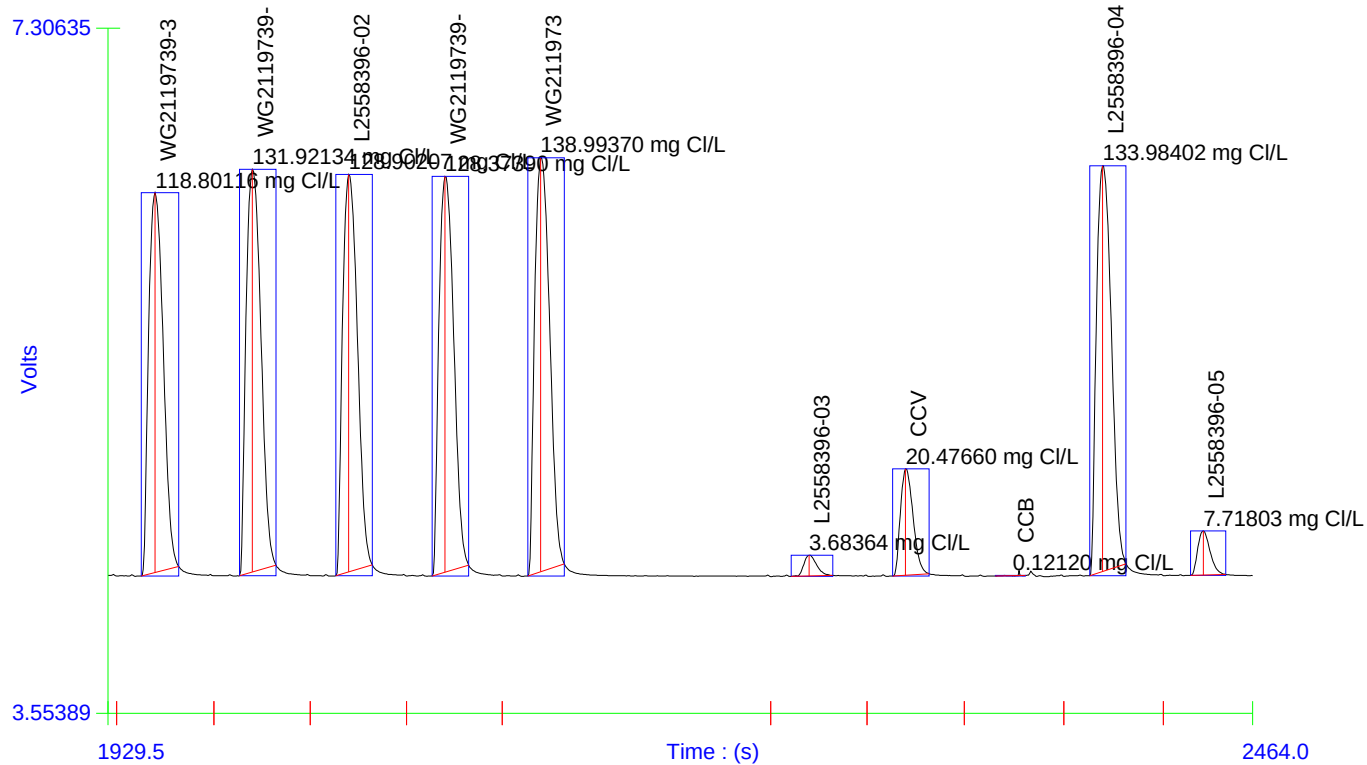
Channel 1 (Chloride) - Set: 2 / 12



Channel 1 (Chloride) - Set: 3 / 12



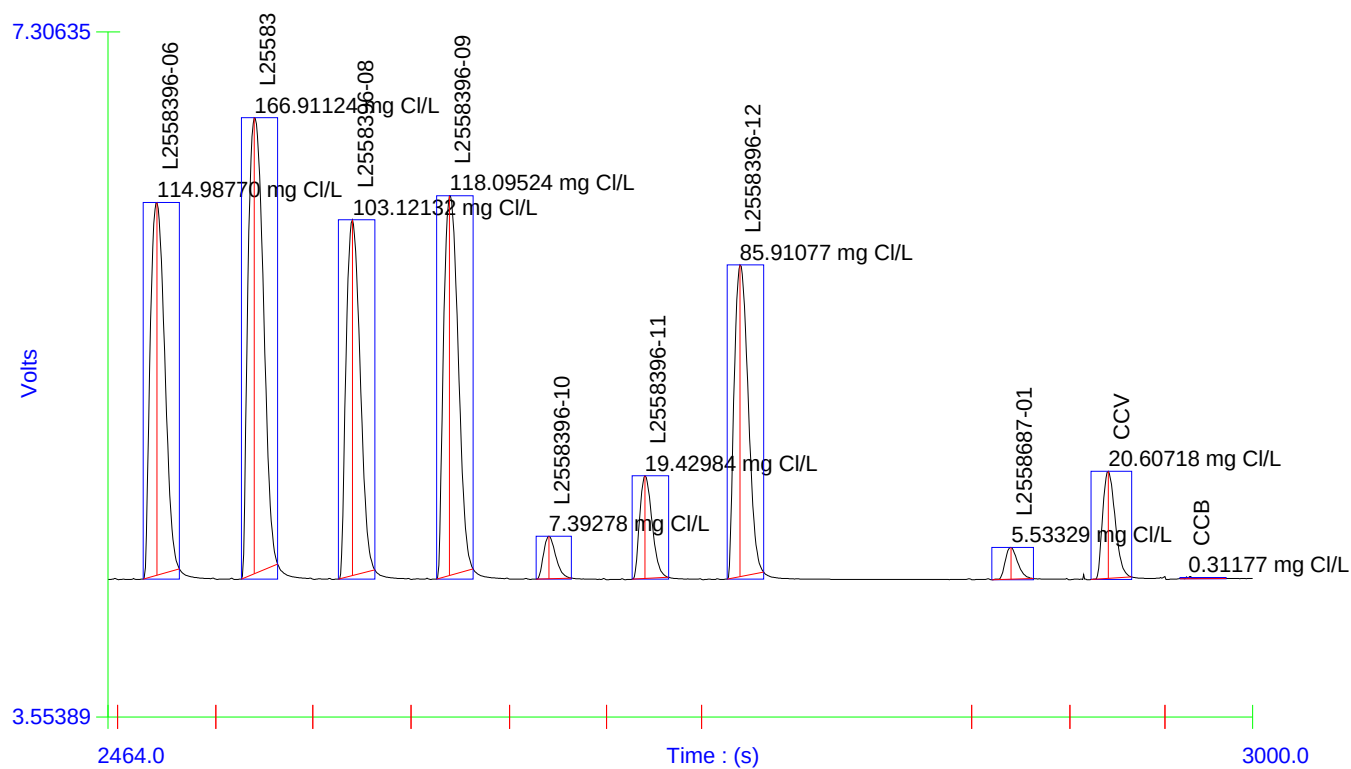
Channel 1 (Chloride) - Set: 4 / 12



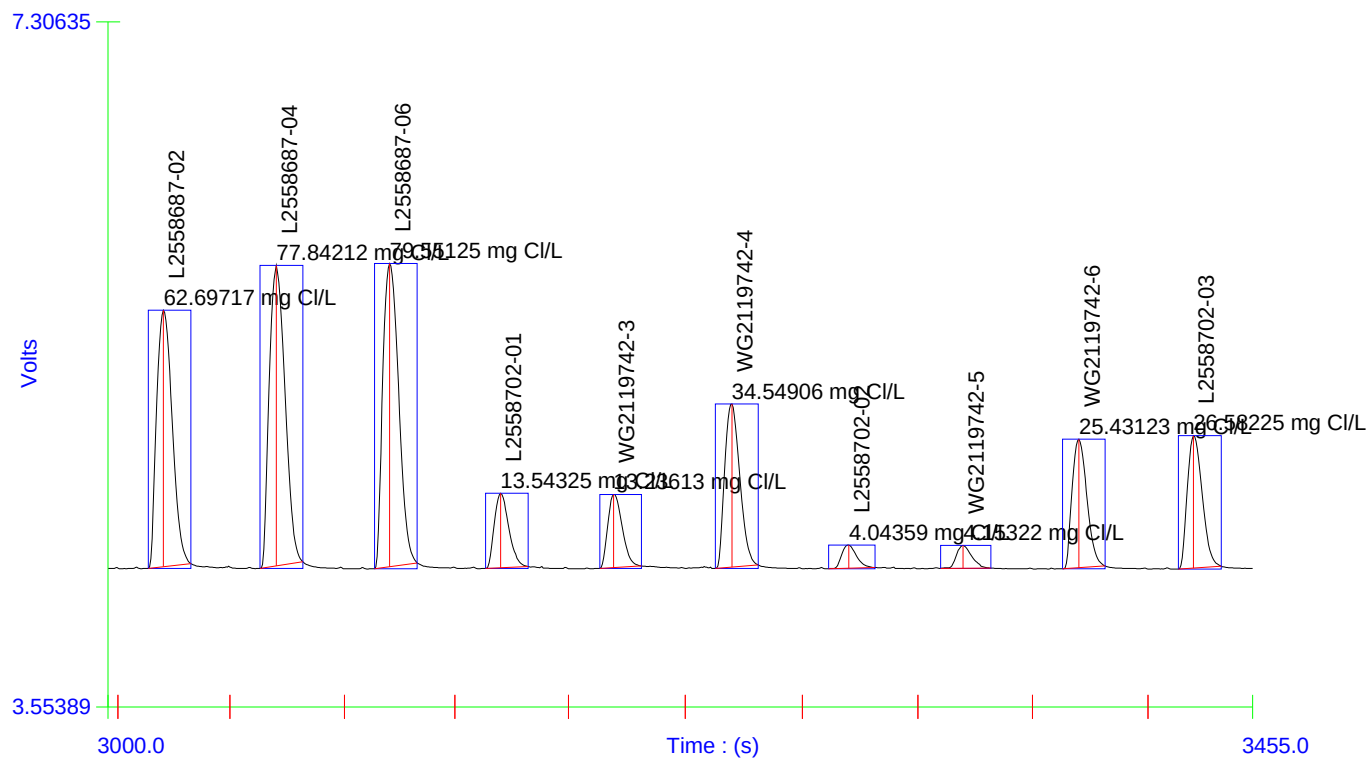
Author:

Date : 9/25/2025

Channel 1 (Chloride) - Set: 5 / 12



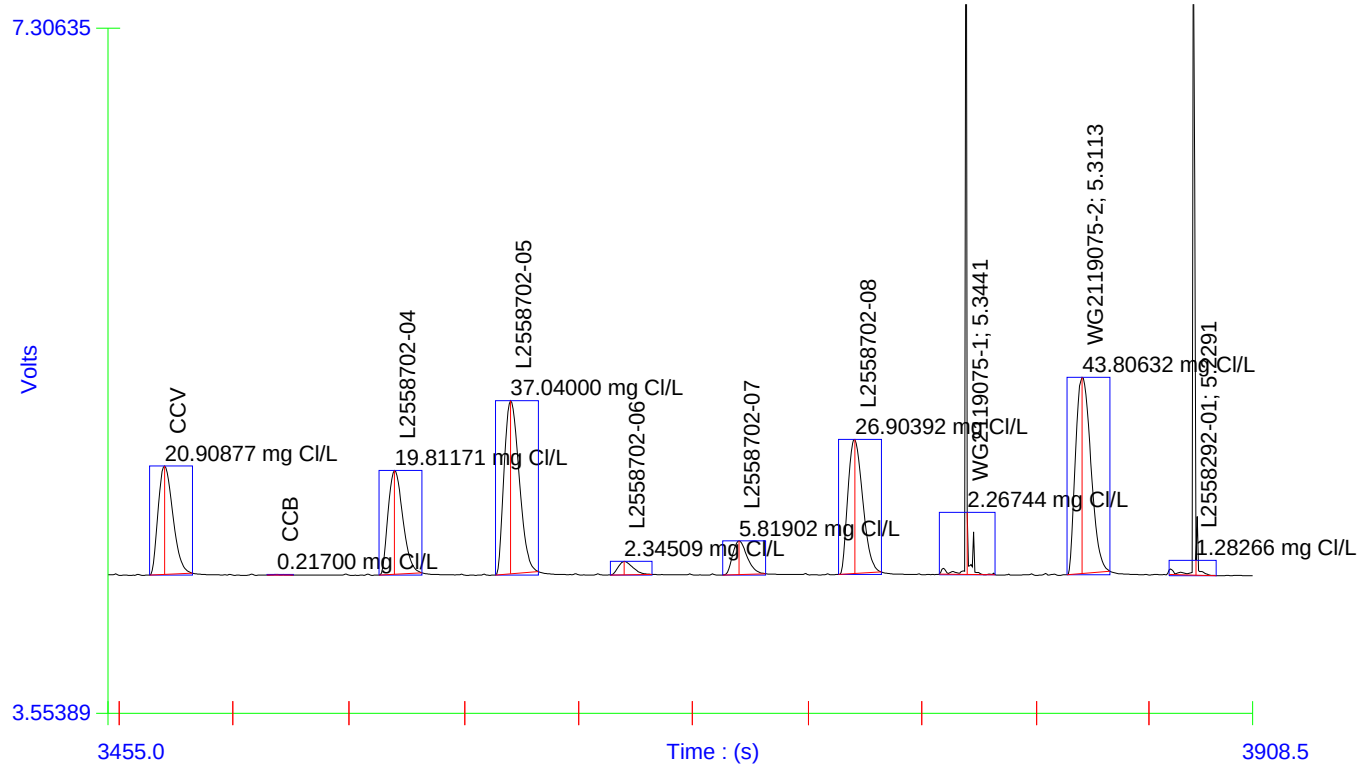
Channel 1 (Chloride) - Set: 6 / 12



Author:

Date : 9/25/2025

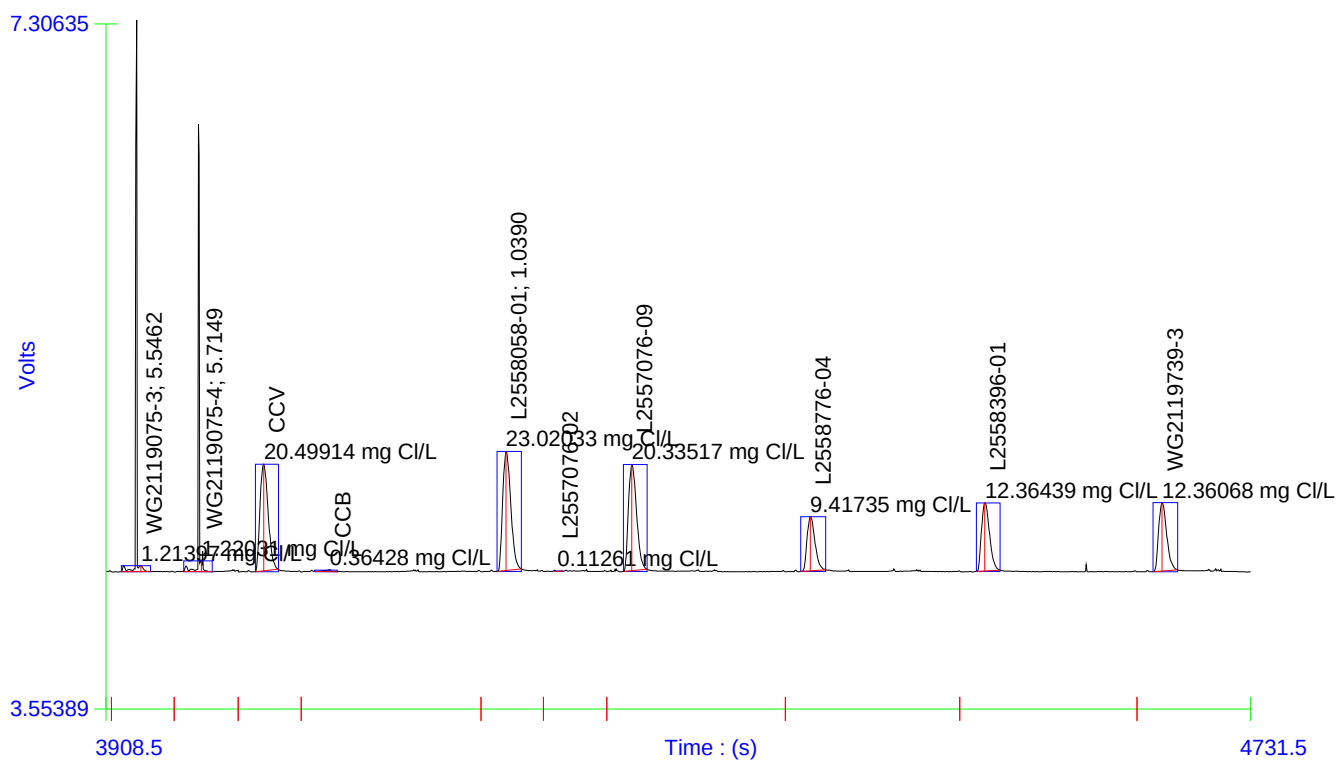
Channel 1 (Chloride) - Set: 7 / 12



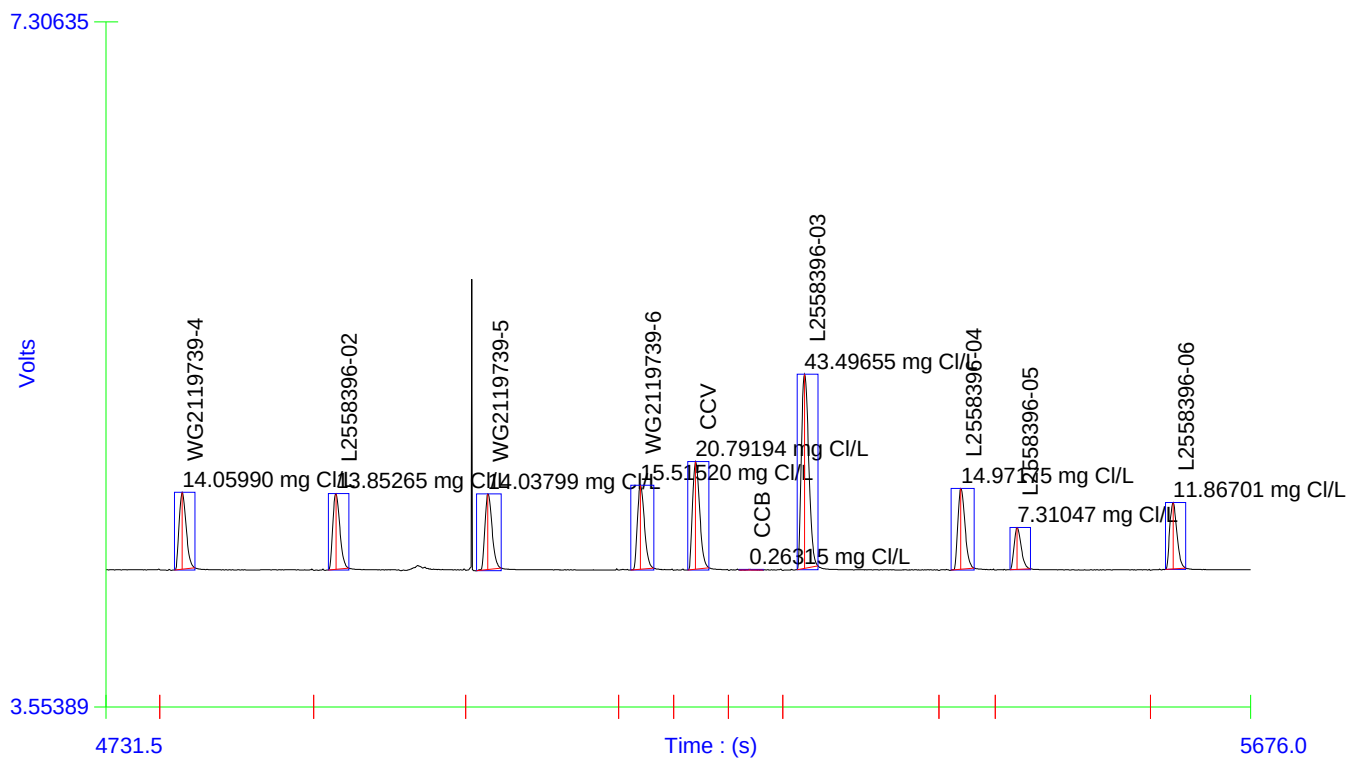
Author:

Date : 9/25/2025

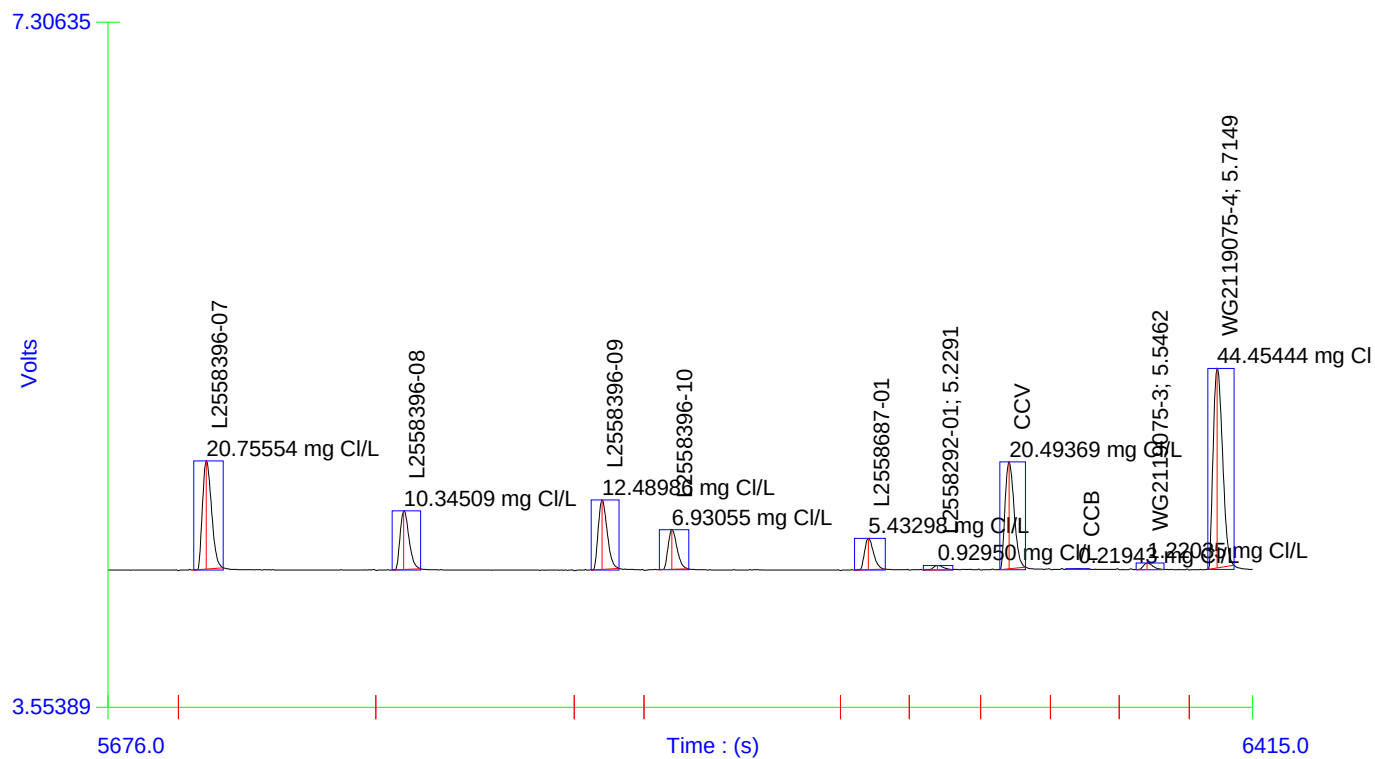
Channel 1 (Chloride) - Set: 8 / 12



Channel 1 (Chloride) - Set: 9 / 12



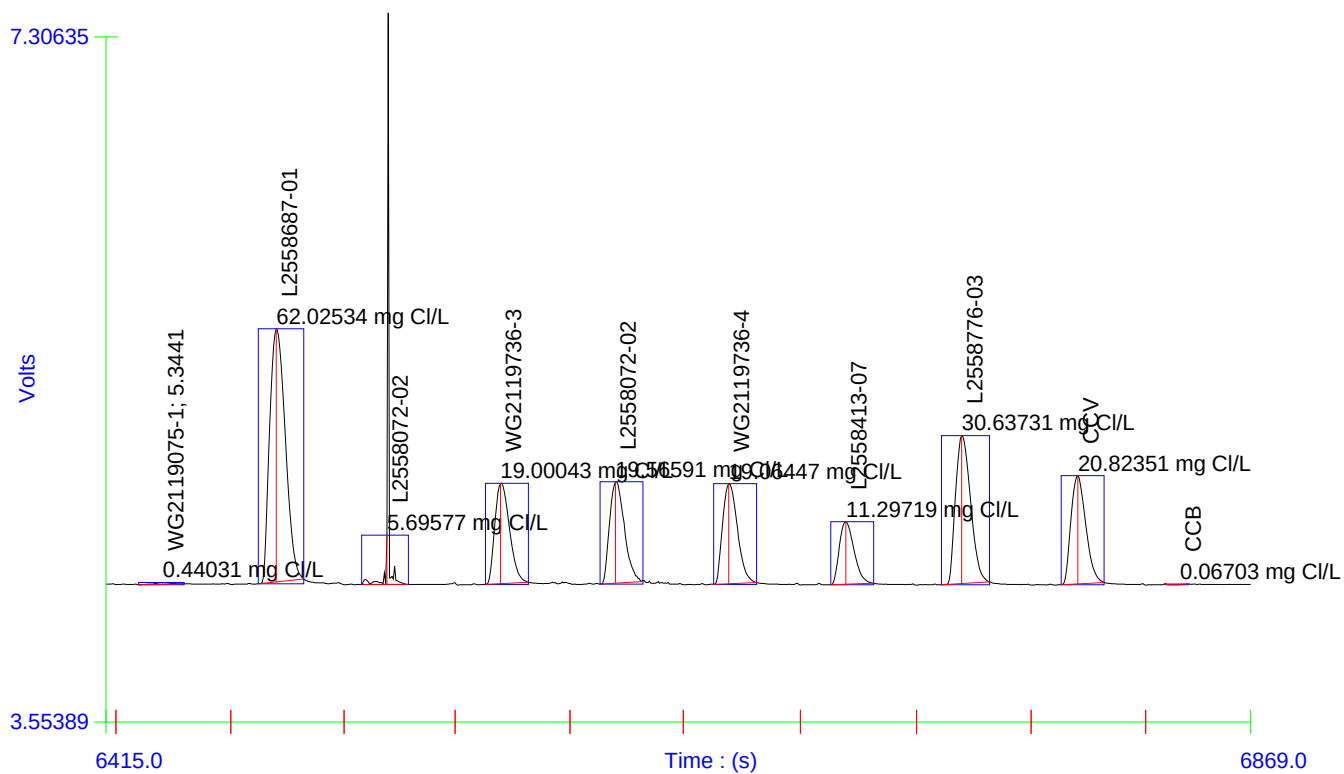
Channel 1 (Chloride) - Set: 10 / 12



Author:

Date : 9/25/2025

Channel 1 (Chloride) - Set: 11 / 12



Channel 1 (Chloride) - Set: 12 / 12

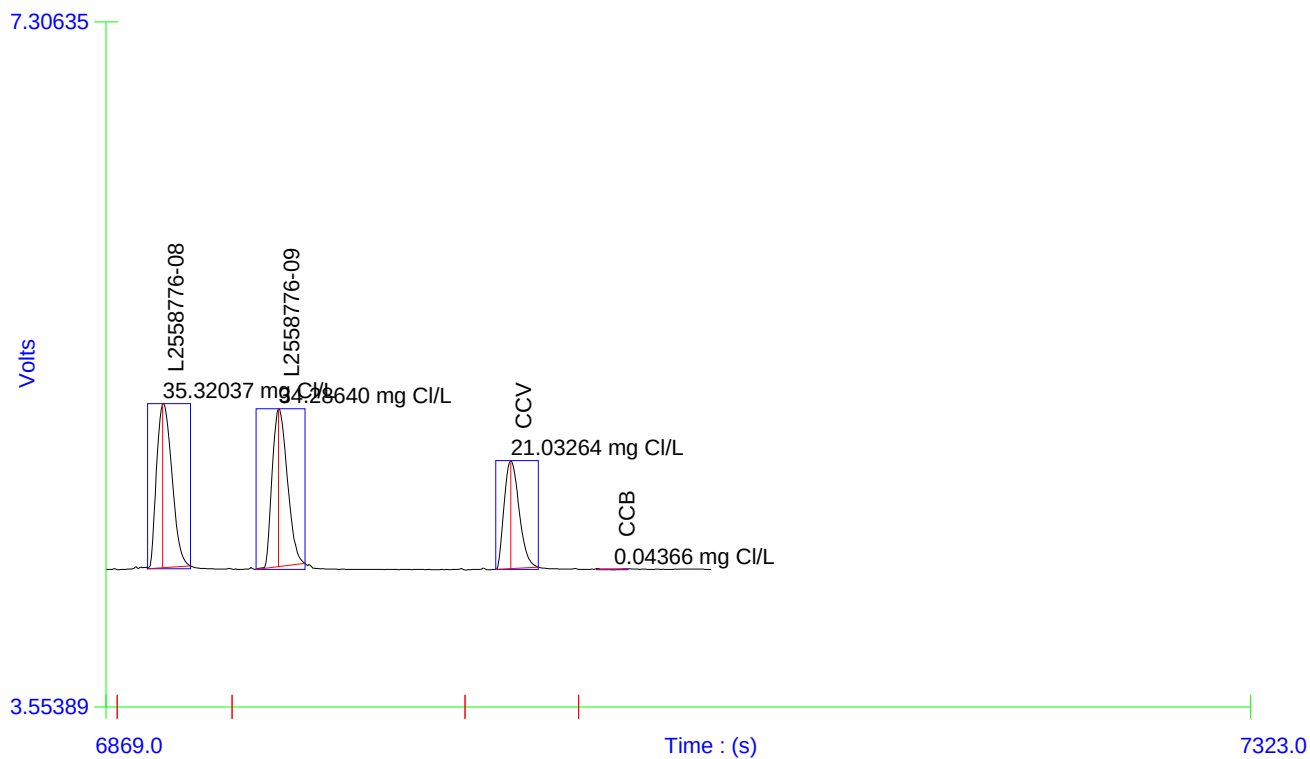
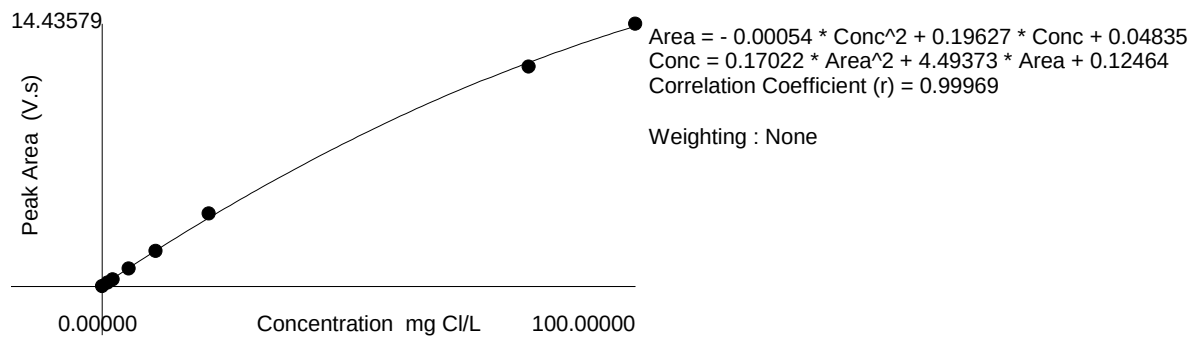


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.43579	1.87311	0.0	-1.0	100.46701	9/25/2025	4:14:58 PM
2	80.00000	1	12.08020	1.63582	0.0	1.9	79.24973	9/25/2025	4:15:44 PM
3	20.00000	1	4.01098	0.59909	0.0	-6.7	20.88735	9/25/2025	4:16:28 PM
4	10.00000	1	1.94715	0.29546	0.0	0.5	9.51997	9/25/2025	4:17:15 PM
5	5.00000	1	0.98470	0.14805	0.0	3.1	4.71467	9/25/2025	4:18:01 PM
6	2.00000	1	0.39065	0.05666	0.0	11.0	1.90612	9/25/2025	4:18:48 PM
7	1.00000	1	0.20588	0.02866	0.0	15.6	1.05703	9/25/2025	4:19:36 PM
8	0.00000	1	0.01634	0.00218			0.19813	9/25/2025	4:20:20 PM

Figure : 1 (Chloride-CH3)



Quality Control

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 5A
 Lab Sample ID : L2557076-03
 Matrix Spike : WG2118673-4
 Matrix Spike Dup :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/24/25 00:12
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Chloride	17.	20	36.	105					58-140	7

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : L2558072-02
 Matrix Spike : WG2119736-4
 Matrix Spike Dup :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/25/25 18:23
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			%R	Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)			Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Chloride	2000	20	1900	0	Q					58-140	7



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 5A	Matrix	: WATER
Lab Sample ID	: L2557076-03	Analysis Date	: 09/24/25 01:52
Dup Sample ID	: WG2118673-3	DUP Analysis Date	: 09/24/25 00:11

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Chloride	17.	16.	6	7



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/25/25 18:22
Dup Sample ID	: WG2119736-3	DUP Analysis Date	: 09/25/25 18:21

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Chloride	2000	1900	5	7



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2118673-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/23/25 23:49
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Chloride	30.0	27.0	90.					90-110	7



Form 7 **Laboratory Control Sample**

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Client Sample ID : NA
Lab Sample ID : WG2119736-2
Dup Sample ID :

Lab Number : L2557076
Project Number : BSD1504
Matrix : WATER
LCS Analysis Date : 09/25/25 16:43
LCSD Analysis Date:

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Chloride	30.0	32.0	107.					90-110	7



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Chloride

Aqueous samples:

Compute sample Chloride concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (Chloride)

To compute the final results for aqueous samples, multiply the direct reading by the dilution factor. (also done using software)

$$\text{Cl mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

From Page No. _____

1 FWS
 2 30
 3 80
 4 ICA
 5 100 ppm 107
 6 Wt 2118673 - 1 M/K
 7 - 2 MS
 8 Wt 2118674 - 1 M/K
 9 - 2 MS
 10 Wt 2118675 - 1 M/K
 11 - 2 MS
 12 Wt 2118689 - 1 M/K
 13 - 2 MS
 14 Wt 2118690 - 1 M/K - 5.0027 - 0.1000
 15 - 2 MS - 5.0918 - 0.1018
 16 58058 - 1 - 5.0734 - 0.1007
 17 Wt 2118690 - 3 dp - 5.0154 - 0.1023
 18 - 4 MS - 5.0281 - 0.1005
 19 57076 - 2
 20 3
 21 Wt 2118673 - 3 dp
 22 - 4 MS
 23 4
 24 5
 25 6
 26 7
 27 8
 28 9
 29 10
 30 57921 - 2
 31 20
 32 23
 33 57955 - 1
 34 58028 - 3
 35 6
 36 9
 37 12

38 58028 - 15
 39 16
 40 21
 41 24
 42 58030 - 1
 43 Wt 2118674 - 3 dp
 44 - 4 MS
 45 3
 46 5
 47 7
 48 9
 49 11
 50 13
 51 15
 52 58039 - 3
 53 6
 54 9
 55 12
 56 15
 57 18
 58 21
 59 24
 60 27
 61 58045 - 1
 62 4
 63 7
 64 10
 65 13
 66 16
 67 19
 68 22
 69 25
 70 58049 - 1
 71 3
 72 5
 73 7
 74 9
 75 58049 - 11
 76 58051 - 1
 77 3
 78 5
 79 7
 80 9
 81 11
 82 58072 - 3
 83 Wt 2118675 - 3 dp
 84 - 4 MS
 85 57281 - 1
 86 2
 87 3
 88 4
 89 5
 90 6
 91 58067 - 1
 92 3
 93 5
 94 7
 95 58072 - 1
 96 2
 97 58413 - 3
 98 7
 99 58445 - 1
 100 Wt 2118689 - 3 dp
 101 - 4 MS
 102 2
 103 6

To Page No. _____

Witnessed & Understood by me, _____

Date _____

Invented by: _____

Date _____

Recorded by: _____

- 1 ICV 5
- 2 ICV 30
- 3 ICV 80
- 4 ICB
- 5 10x
- 6 100x
- 7 WG2119736/39-1
- 8 WG2119736/39-2
- 9 WG2119737/42-1
- 10 WG2119737/42-2
- 11 L2557076-02
- 12 L2557076-09
- 13 L2558072-02
- 14 WG2119736-3
- 15 WG2119736-4
- 16 L2558413-07
- 17 L2558776-03
- 18 L2558776-04
- 19 L2558776-08
- 20 L2558776-09
- 21 L2558379-06
- 22 WG2119737-3
- 23 WG2119737-4
- 24 L2558396-01
- 25 WG2119739-3
- 26 WG2119739-4
- 27 L2558396-02
- 28 WG2119739-5
- 29 WG2119739-6
- 30 L2558396-03
- 31 L2558396-04
- 32 L2558396-05
- 33 L2558396-06
- 34 L2558396-07
- 35 L2558396-08
- 36 L2558396-09
- 37 L2558396-10
- 38 L2558396-11
- 39 L2558396-12
- 40 L2558687-01
- 41 L2558687-02
- 42 L2558687-04

43 L2558687-06
44 L2558702-01
45 WG2119742-3
46 WG2119742-4
47 L2558702-02
48 WG2119742-5
49 WG2119742-6
50 L2558702-03
51 L2558702-04
52 L2558702-05
53 L2558702-06
54 L2558702-07
55 L2558702-08
56 WG2119075-1
57 WG2119075-2
58 L2558292-01
59 WG2119075-3
60 WG2119075-4
61 L2558058-01

Fluoride Analysis

Results

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-02
 Client ID : FIELD BLANK
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500F-BC
 Lab File ID : WG2118784.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:40
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 05:38
 Dilution Factor : 1
 Analyst : DTH
 Instrument ID :
 %Solids : N/A
 Date Digested : 09/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	ND	0.20	0.01	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-03
 Client ID : 5A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500F-BC
 Lab File ID : WG2118784.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 05:38
 Dilution Factor : 1
 Analyst : DTH
 Instrument ID :
 %Solids : N/A
 Date Digested : 09/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.06	0.20	0.01	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-04
 Client ID : 5B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500F-BC
 Lab File ID : WG2118784.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 05:38
 Dilution Factor : 1
 Analyst : DTH
 Instrument ID :
 %Solids : N/A
 Date Digested : 09/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.05	0.20	0.01	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-05
Client ID : 6A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2118784.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 08:00
Date Received : 09/10/25
Date Analyzed : 09/24/25 05:38
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.08	0.20	0.01	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500F-BC
 Lab File ID : WG2118784.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 05:38
 Dilution Factor : 1
 Analyst : DTH
 Instrument ID :
 %Solids : N/A
 Date Digested : 09/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.05	0.20	0.01	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-07
Client ID : 7A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2118784.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 09:40
Date Received : 09/10/25
Date Analyzed : 09/24/25 05:38
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.10	0.20	0.01	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500F-BC
 Lab File ID : WG2118784.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/24/25 05:38
 Dilution Factor : 1
 Analyst : DTH
 Instrument ID :
 %Solids : N/A
 Date Digested : 09/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.09	0.20	0.01	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-09
Client ID : 10A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2118784.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 11:05
Date Received : 09/10/25
Date Analyzed : 09/24/25 05:38
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.03	0.20	0.01	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-10
Client ID : 10B
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2118784.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 10:55
Date Received : 09/10/25
Date Analyzed : 09/24/25 05:38
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.04	0.20	0.01	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2118784-1
 Client ID : WG2118784-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,4500F-BC
 Lab File ID : WG2118784.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/24/25 05:38
 Dilution Factor : 1
 Analyst : DTH
 Instrument ID :
 %Solids : N/A
 Date Digested : 09/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	ND	0.20	0.01	U



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2118784-3
Client ID : 5ADUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2118784.csv
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 12:20
Date Received : 09/10/25
Date Analyzed : 09/24/25 05:38
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.07	0.20	0.02	J



Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
FLUORIDE

Last Change 03/4/13
File Flouride.xlt

Sample Number: _____

Client: _____

Product: F-4500
Analysis Analyte: Fluoride,
Analysis Date: 9/24/2025 5:38
Technician: DTH
Work group: WG2118784
RL: 0.20 mg/L
Distillation Date: 9/24/2025 1:51

Analysis: FLUORIDE
Method: SM 4500F-BC
LCS Concentration (mg/l): 2
Spike Concentration (mg/l): 1

Standard ID mg/L	Log Std-d	Reading mV	Result, Curve	Antilog Result	% Recovery	Calibration Curve Slope y-intercept
0.2	-0.699	130.2	-0.697	0.2007	100	-59.0720503 89
0.5	-0.301	106.9	-0.303	0.4977	100	
1.0	0.000	89	0.000	1.0000	100	Correlation Coefficient
10	1.000	29.9	1.000	10.011	100	0.99999788

	Sample number	Sample Volume (ml)	Distill Volume (ml)	Flask	Reagent	Dilution Factor	Meter Reading	RL Multiplier	FINAL RESULT (mg/l)	Recovery
	ICB	50	50		YES	1.00	0	1.00	0.00	
	ICV	50	50		YES	1.00	0.992	1.00	0.99	99%
SAMP	L2557076-02	50	50		YES	1.00	0.00723	1.00	0.01	
SAMP	L2557076-03	50	50		YES	1.00	0.0633	1.00	0.06	
SAMP	L2557076-04	50	50		YES	1.00	0.0494	1.00	0.05	
SAMP	L2557076-05	50	50		YES	1.00	0.0763	1.00	0.08	
SAMP	L2557076-06	50	50		YES	1.00	0.0498	1.00	0.05	
SAMP	L2557076-07	50	50		YES	1.00	0.1	1.00	0.10	
SAMP	L2557076-08	50	50		YES	1.00	0.0876	1.00	0.09	
SAMP	L2557076-09	50	50		YES	1.00	0.0296	1.00	0.03	
SAMP	L2557076-10	50	50		YES	1.00	0.0421	1.00	0.04	
	CCV	50	50		YES	1.00	0.996	1.00	1.00	
	CCB	50	50		YES	1.00	0	1.00	0.00	
	CCV	50	50		YES	1.00	0.976	1.00	0.98	
	CCB	50	50		YES	1.00	0	1.00	0.00	
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
BLANK	WG2118784-1	50	50		YES	1.00	0	1.00	0.00	
DUP	WG2118784-3	50	50		YES	1.00	0.0654	1.00	0.07	L2557076-03
	sample	sample	Distill			Sample	Meter	Spike conc.	Spike	Recovery
	Sample number	volume	volume (ml)	Flask	Reagent	Result mg/l	Reading	mg/l	Result mg/l	%
MS	WG2118784-4	50	50		YES	.06	0.953	1	0.95	89
LCS	WG2118784-2	50	50		YES		1.72	2	1.72	86

last sample

Quality Control

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 5A
 Lab Sample ID : L2557076-03
 Matrix Spike : WG2118784-4
 Matrix Spike Dup :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/24/25 05:38
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Fluoride	0.06J	1	0.95	95					69-124	13



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 5A	Matrix	: WATER
Lab Sample ID	: L2557076-03	Analysis Date	: 09/24/25 05:38
Dup Sample ID	: WG2118784-3	DUP Analysis Date	: 09/24/25 05:38

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Fluoride	0.06J	0.07J	NC	13



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2118784-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/24/25 05:38
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Fluoride	2.00	1.70	86.					78-120	13

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Fluoride

When the volume of the distillate is the same as the volume of the sample used, the direct determination of Fluoride concentration is the instrument's result.

However, when analyzing soil samples or high level samples requiring a dilution, the following equations apply:

For liquids:

$$\text{Fluoride, mg/L} = (\text{mg F-/L}) \times (\text{Volume of Distillate, mL}) / \text{Volume of Sample, mL}$$

For solids:

$$\text{Fluoride, mg/Kg} = (\text{mg F-/L}) \times (\text{Volume of Distillate, mL}) / \text{Weight of Sample, gm}$$

To calculate final result for soil samples based on dry weight, multiply final result on 100 and divide on %TS (in %)

Sample Preparation

- 50

BOOK

PAGE

TITLE

PROJECT

Continued from Page

WG2118784

WG2118785

DTH

9/24/25 05:38

ICU: F06152025-100ppm

LCS: F06152025-100ppm

Spike: F06152025-100ppm

Curve: W.C. 3575

TISAB III: R-4441

Tube Lot: E25033 H.N

STD	MU
0.2	130.2
0.5	106.9
1.0	99.0
10.0	29.9

WG2118783

Sample

Volume

Final Volume

Meter

ICV

50mL

50mL

0.912

ICB

0.0

Blank

0.0

LCS

1.72

58359-30

2.66

-Dup 30

2.65

-MS 30

 $3.36 + 0.197 = 3.557$

57076-02

0.00723

-03

0.0633

-Dup 03

0.0654

-MS 03

0.953

-04

0.0494

CCU

0.996

CCB

0.0

-05

0.0763

-06

0.0498

-07

0.100

-08

0.0876

-09

0.0296

-10

0.0421

CCU

0.976

CCB

0.0

Blank

0.0

LCS

1.86

58375-01

0.626

-Dup 01

0.634

-MS 01

2.46

CCU

1.00

CCB

0.0

237°C

SIGNATURE

DATE

Continued from Page

TITLE _____

From Page No. _____

Tube	Sample	Volume	Final Volume	Block	Comments
1	Blank	50mL	50mL	Phenol #2	DT H 9/24/05 01:51
2	LCS	*			1.0 mL F06152005 -100ppm
3	58359-30				
4	-Op 30				
5	-ms 30				0.5 mL F06152005 -100ppm
6	57076-02				
7	-03				
8	-Op 03				
9	-ms 03				0.5 mL F06152005 -100ppm
10	04				
11	05			Fluor #4	
13	06				
14	07				
15	08				
16	09				
17	10				
18	Reprep				
20					

To Page No. _____

Witnessed & Understood by me, _____

Date _____

Invented by: _____

Date _____

Recorded by: _____

Phosphates Analysis

Results

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-02
 Client ID : FIELD BLANK
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS09302025-WG2120956
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:40
 Date Received : 09/10/25
 Date Analyzed : 09/30/25 17:25
 Dilution Factor : 1
 Analyst : MEF
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.028	0.031	0.012	J



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-03
Client ID : 5A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500P-E(M)
Lab File ID : PHOS09302025-WG2120956
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 12:20
Date Received : 09/10/25
Date Analyzed : 09/30/25 17:28
Dilution Factor : 1
Analyst : MEF
Instrument ID : SEAL2
%Solids : N/A
Date Digested : 09/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.126	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-04
 Client ID : 5B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS09302025-WG2120956
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/30/25 17:29
 Dilution Factor : 1
 Analyst : MEF
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.046	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-05
 Client ID : 6A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS09302025-WG2120956
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:00
 Date Received : 09/10/25
 Date Analyzed : 09/30/25 17:30
 Dilution Factor : 1
 Analyst : MEF
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.077	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS09302025-WG2120956
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/30/25 17:31
 Dilution Factor : 1
 Analyst : MEF
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.055	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-07
 Client ID : 7A
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS09302025-WG2120956
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:40
 Date Received : 09/10/25
 Date Analyzed : 09/30/25 17:32
 Dilution Factor : 1
 Analyst : MEF
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.083	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS09302025-WG2120956
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/30/25 17:34
 Dilution Factor : 1
 Analyst : MEF
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.086	0.031	0.012	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-09
Client ID : 10A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 121,4500P-E(M)
Lab File ID : PHOS09302025-WG2120956
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 11:05
Date Received : 09/10/25
Date Analyzed : 09/30/25 17:35
Dilution Factor : 1
Analyst : MEF
Instrument ID : SEAL2
%Solids : N/A
Date Digested : 09/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.058	0.031	0.012	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-10
 Client ID : 10B
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS09302025-WG2120956
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 10:55
 Date Received : 09/10/25
 Date Analyzed : 09/30/25 17:36
 Dilution Factor : 1
 Analyst : MEF
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.071	0.031	0.012	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : WG2120956-1
Client ID : WG2120956-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500P-E(M)
Lab File ID : PHOS09302025-WG2120956
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : NA
Date Received : NA
Date Analyzed : 09/30/25 17:23
Dilution Factor : 1
Analyst : MEF
Instrument ID : SEAL2
%Solids : N/A
Date Digested : 09/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.025	0.031	0.012	J



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2120956-3
 Client ID : FIELD BLANKDUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS09302025-WG2120956
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:40
 Date Received : 09/10/25
 Date Analyzed : 09/30/25 17:26
 Dilution Factor : 1
 Analyst : MEF
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.022	0.031	0.012	J



Sample Raw Data

AQ400Tray Report



Software version : 2.4.5
Report requested by : mflaherty
Date \ Time : 30-Sep-2025 18:04:42
Tray number : 2
Tray name : WG2120956,1463

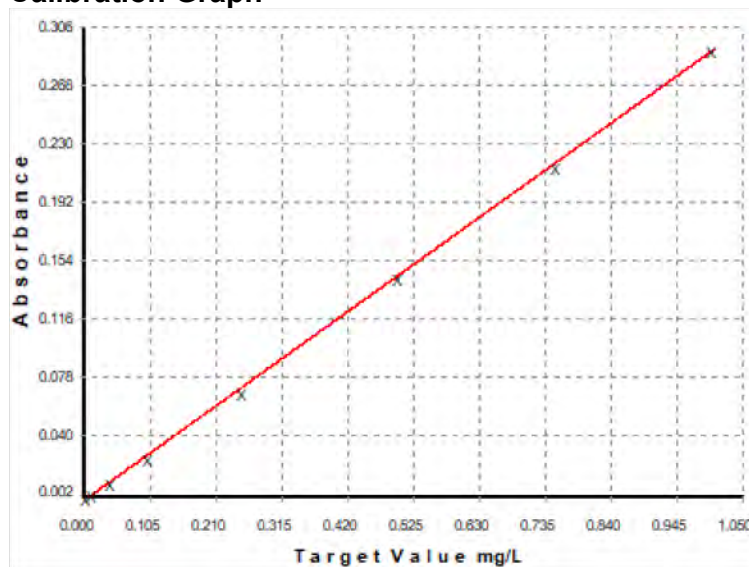
T-Phos 1

Calibration Chart

Type	Absorbance	Calc mg/L	Target mg/L	% Error
S1	0.0023	0.008	0.000	
S90	0.0042	0.015	0.010	48.34
S91	0.0112	0.039	0.040	-2.82
S92	0.0277	0.096	0.100	-4.23
S93	0.0701	0.242	0.250	-3.03
S94	0.1437	0.497	0.500	-0.63
S95	0.2159	0.746	0.750	-0.52
S96	0.2913	1.007	1.000	0.68
S0	0.0022	0.008	0.000	

Polynomial Order : 1
 Correlation Coefficient : 0.9999
 Carryover(%) : -0.1
 Calibration equation: $y = bx + a$
 y =: Concentration mg/L
 x =: Measured absorbance
 a =: 2.249763E-04
 b =: 3.455378E+00
 Date & Time : 30-Sep-2025 17:20:57

Calibration Graph



Reagents

Reagent Name	Batch Number	Operator	Expiry Date
TP Working Color	TP110424	MEF	25-Nov-2024 00:00:00
TP Ascorbic	TP110424	MEF	11-Nov-2024 00:00:00

Test Results

Cup	Type	ID	Result	Units	Raw Data	Auto Dil.	Man Dil.	User	Time & Date
	S1	Standard 1	0.002		0.002348			EYA	30-Sep-2025 17:13:29
	S90	Standard 90	0.004		0.004228			EYA	30-Sep-2025 17:14:25
	S91	Standard 91	0.011		0.011185			EYA	30-Sep-2025 17:15:21
	S92	Standard 92	0.028		0.027650			EYA	30-Sep-2025 17:16:17
	S93	Standard 93	0.070		0.070094			EYA	30-Sep-2025 17:17:13
	S94	Standard 94	0.144		0.143724			EYA	30-Sep-2025 17:18:09
	S95	Standard 95	0.216		0.215861			EYA	30-Sep-2025 17:19:05
	S96	Standard 96	0.291		0.291310			EYA	30-Sep-2025 17:20:01
	S0	Standard 0	0.002		0.002190			EYA	30-Sep-2025 17:20:57
2	ICV	ICV	0.482	mg/L	0.139284			EYA	30-Sep-2025 17:21:53
3	ICB	ICB	0.007	mg/L	0.002101			EYA	30-Sep-2025 17:22:49
4	U1	WG2120956-1O	0.008ELL	mg/L	0.002154			EYA	30-Sep-2025 17:23:45
5	U2	WG2120956-2O	0.477	mg/L	0.137944			EYA	30-Sep-2025 17:24:41
6	U3	L2557076-02O	0.009	mg/L	0.002522			EYA	30-Sep-2025 17:25:37
7	U4	WG2120956-3O	0.007ELL	mg/L	0.001870			EYA	30-Sep-2025 17:26:33
8	U5	WG2120956-4O	0.494	mg/L	0.142920			EYA	30-Sep-2025 17:27:29
9	U6	L2557076-03O	0.041	mg/L	0.011695			EYA	30-Sep-2025 17:28:25
10	U7	L2557076-04O	0.015	mg/L	0.004167			EYA	30-Sep-2025 17:29:21
11	U8	L2557076-05O	0.025	mg/L	0.007036			EYA	30-Sep-2025 17:30:17

12	U9	L2557076-06O	0.018	mg/L	0.005200	EYA	30-Sep-2025 17:31:13
13	U10	L2557076-07O	0.027	mg/L	0.007862	EYA	30-Sep-2025 17:32:09
	CCV	CCV	0.469	mg/L	0.135697	EYA	30-Sep-2025 17:33:05
	CCB	CCB	0.005	mg/L	0.001500	EYA	30-Sep-2025 17:34:01
14	U11	L2557076-08O	0.028	mg/L	0.008145	EYA	30-Sep-2025 17:34:57
15	U12	L2557076-09O	0.019	mg/L	0.005315	EYA	30-Sep-2025 17:35:53
16	U13	L2557076-10O	0.023	mg/L	0.006478	EYA	30-Sep-2025 17:36:49
17	U14	WG2121463-1D	0.007ELL	mg/L	0.001841	EYA	30-Sep-2025 17:37:45
18	U15	WG2121463-2D	0.488	mg/L	0.141167	EYA	30-Sep-2025 17:38:41
19	U16	FILTER BLANK	0.007ELL	mg/L	0.001842	EYA	30-Sep-2025 17:39:37
20	U17	L2558206-02D	0.012	mg/L	0.003328	EYA	30-Sep-2025 17:40:33
21	U18	L2558334-01D	0.025	mg/L	0.007299	EYA	30-Sep-2025 17:41:29
22	U19	L2558334-02D	0.016	mg/L	0.004619	EYA	30-Sep-2025 17:42:25
23	U20	L2558334-03D	0.017	mg/L	0.004918	EYA	30-Sep-2025 17:43:21
	CCV	CCV	0.481	mg/L	0.139121	EYA	30-Sep-2025 17:44:17
	CCB	CCB	0.007	mg/L	0.002092	EYA	30-Sep-2025 17:45:13
24	U21	L2558574-03D	0.013	mg/L	0.003783	EYA	30-Sep-2025 17:46:10
25	U22	L2558907-03D	0.011	mg/L	0.003010	EYA	30-Sep-2025 17:47:06
26	U23	L2558907-05D	0.014	mg/L	0.003874	EYA	30-Sep-2025 17:48:02
27	U24	L2559352-01D	0.012	mg/L	0.003523	EYA	30-Sep-2025 17:48:58
28	U25	L2559383-01D	0.012	mg/L	0.003534	EYA	30-Sep-2025 17:49:54
29	U26	WG2121463-3D	0.013	mg/L	0.003595	EYA	30-Sep-2025 17:50:50
30	U27	WG2121463-4D	0.492	mg/L	0.142263	EYA	30-Sep-2025 17:51:44
31	U28	L2559383-02D	0.011	mg/L	0.003016	EYA	30-Sep-2025 17:52:40
32	U29	L2559383-03D	0.010	mg/L	0.002770	EYA	30-Sep-2025 17:53:36
33	U30	L2559383-04D	0.014	mg/L	0.004030	EYA	30-Sep-2025 17:54:32
	CCV	CCV	0.471	mg/L	0.136216	EYA	30-Sep-2025 17:55:28
	CCB	CCB	0.006	mg/L	0.001719	EYA	30-Sep-2025 17:56:24
34	U31	L2559383-05D	0.015	mg/L	0.004415	EYA	30-Sep-2025 17:57:20
	CCV	CCV	0.470	mg/L	0.135830	EYA	30-Sep-2025 17:58:16
	CCB	CCB	0.009	mg/L	0.002499	EYA	30-Sep-2025 17:59:12

Quality Control

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : FIELD BLANK
 Lab Sample ID : L2557076-02
 Matrix Spike : WG2120956-4
 Matrix Spike Dup :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/30/25 17:27
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Phosphate, Total	0.028J	1.53	1.52	99					80-120	15



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: FIELD BLANK	Matrix	: WATER
Lab Sample ID	: L2557076-02	Analysis Date	: 09/30/25 17:25
Dup Sample ID	: WG2120956-3	DUP Analysis Date	: 09/30/25 17:26

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Phosphate, Total	0.028J	0.022J	NC	15



Form 7 Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2120956-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/30/25 17:24
 LCSD Analysis Date:

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Phosphate, Total	1.53	1.46	95.					84-118	15



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of TPhosphorus

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve. All calculations are done by SEAL (segment flow spectrometer).

$$\text{Mg TPhosphorus/L} = \frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

Wet Chemistry
By
IC Methods

Results

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-02
 Client ID : FIELD BLANK
 Sample Location : 104 ROCKY POINT RD, MIDDLE ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 11:40
 Date Received : 09/10/25
 Date Analyzed : 09/22/25 20:36
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	ND	0.050	0.013	U



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-03
Client ID : 5A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 44,300.0
Lab File ID : WG2118199-200-201
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 12:20
Date Received : 09/10/25
Date Analyzed : 09/22/25 20:24
Dilution Factor : 1
Analyst : AVT,
Instrument ID : IC3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.060	0.050	0.013	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-04
 Client ID : 5B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/23/25 00:02
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.051	0.050	0.013	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-05
Client ID : 6A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 44,300.0
Lab File ID : WG2118199-200-201
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 08:00
Date Received : 09/10/25
Date Analyzed : 09/23/25 00:14
Dilution Factor : 1
Analyst : AVT,
Instrument ID : IC3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.062	0.050	0.013	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-06
 Client ID : 6B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 08:25
 Date Received : 09/10/25
 Date Analyzed : 09/23/25 00:26
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.068	0.050	0.013	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-07
 Client ID : 7A
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:40
 Date Received : 09/10/25
 Date Analyzed : 09/23/25 00:38
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.144	0.050	0.013	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-08
 Client ID : 7B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 09:35
 Date Received : 09/10/25
 Date Analyzed : 09/23/25 00:50
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.097	0.050	0.013	



Form 1
WETCHEM

Client : P. W. Grosser
Project Name : ROANOKE SAND AND GRAVEL
Lab ID : L2557076-09
Client ID : 10A
Sample Location : 104 ROCKY POINT RD, MIDDLE
ISLAND, NY 11953
Sample Matrix : WATER
Analytical Method : 44,300.0
Lab File ID : WG2118199-200-201
Sample Amount :
Digestion Method :

Lab Number : L2557076
Project Number : BSD1504
Date Collected : 09/10/25 11:05
Date Received : 09/10/25
Date Analyzed : 09/23/25 01:02
Dilution Factor : 1
Analyst : AVT,
Instrument ID : IC3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.081	0.050	0.013	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : L2557076-10
 Client ID : 10B
 Sample Location : 104 ROCKY POINT RD, MIDDLE
 ISLAND, NY 11953
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 10:55
 Date Received : 09/10/25
 Date Analyzed : 09/23/25 01:14
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.064	0.050	0.013	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2118200-1
 Client ID : WG2118200-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/22/25 17:11
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	ND	0.050	0.013	U



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Lab ID : WG2118200-4
 Client ID : 5ADUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 44,300.0
 Lab File ID : WG2118199-200-201
 Sample Amount :
 Digestion Method :

Lab Number : L2557076
 Project Number : BSD1504
 Date Collected : 09/10/25 12:20
 Date Received : 09/10/25
 Date Analyzed : 09/23/25 02:51
 Dilution Factor : 1
 Analyst : AVT,
 Instrument ID : IC3
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.068	0.050	0.013	

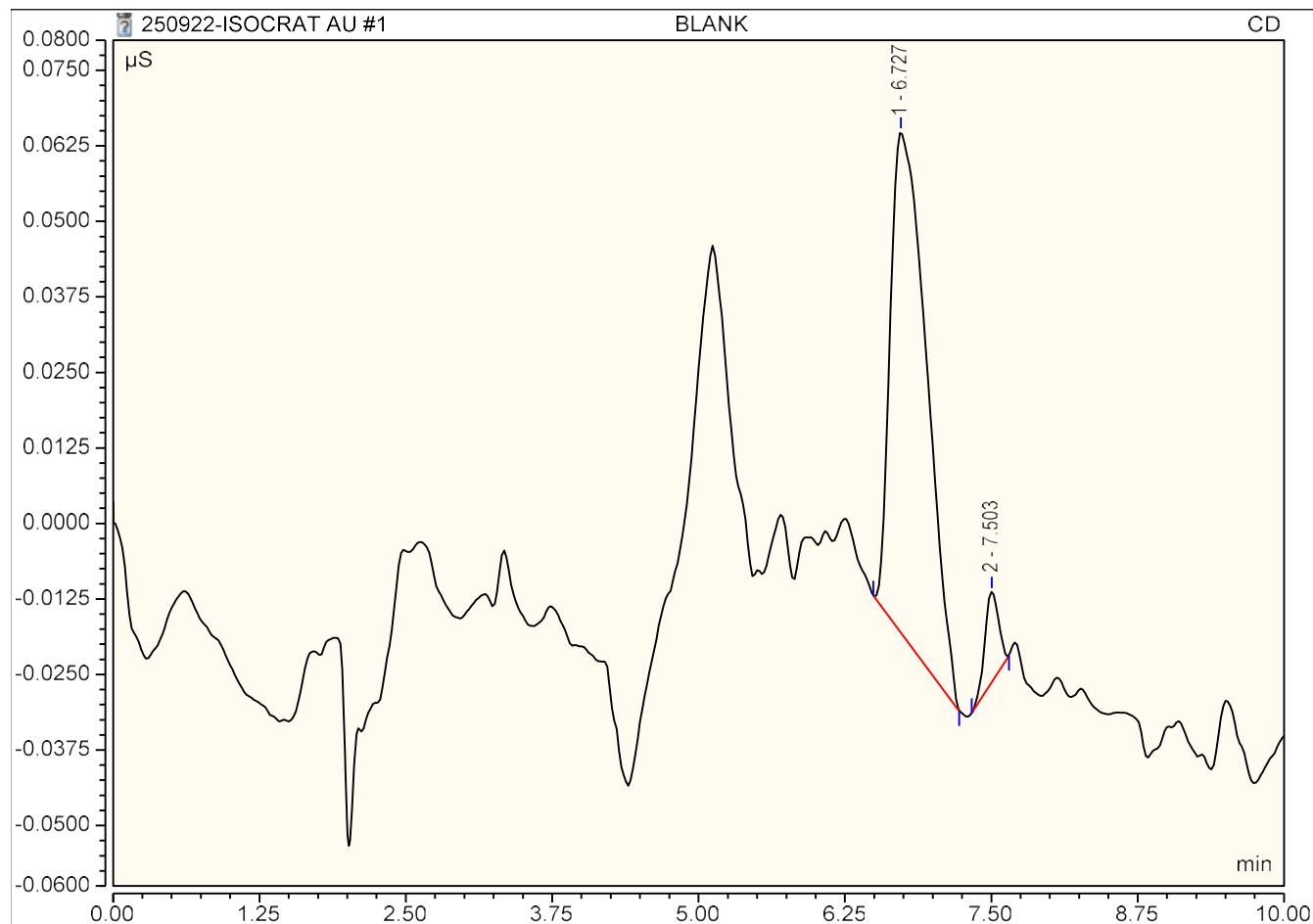


Sample Raw Data

Peak Integration Report

Sample Name:	BLANK	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 14:38	Run Time:	10.00

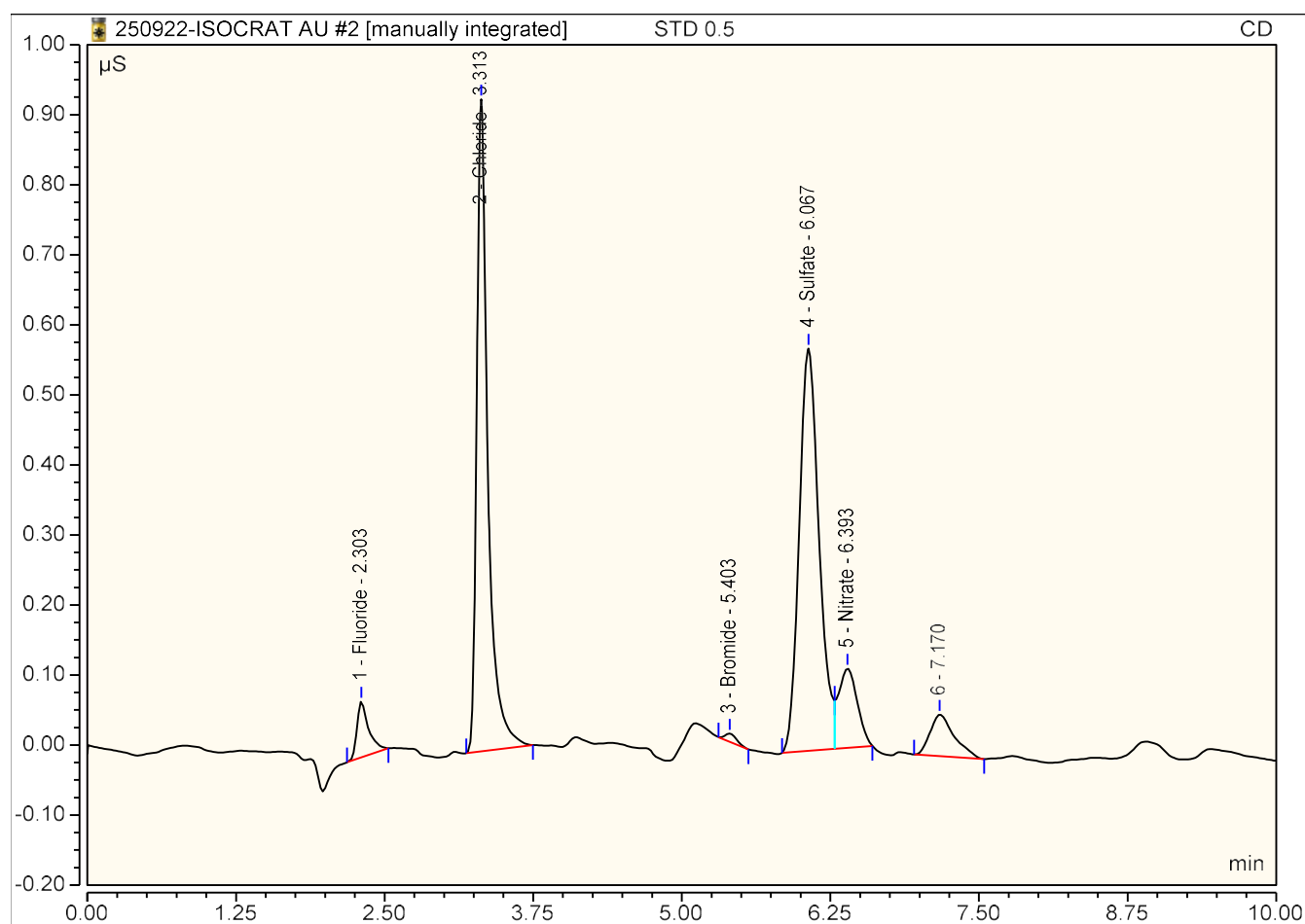
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount n.a.
TOTAL:				0.00	0.00	0.00



Peak Integration Report

Sample Name:	STD 0.5	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 14:50	Run Time:	10.00

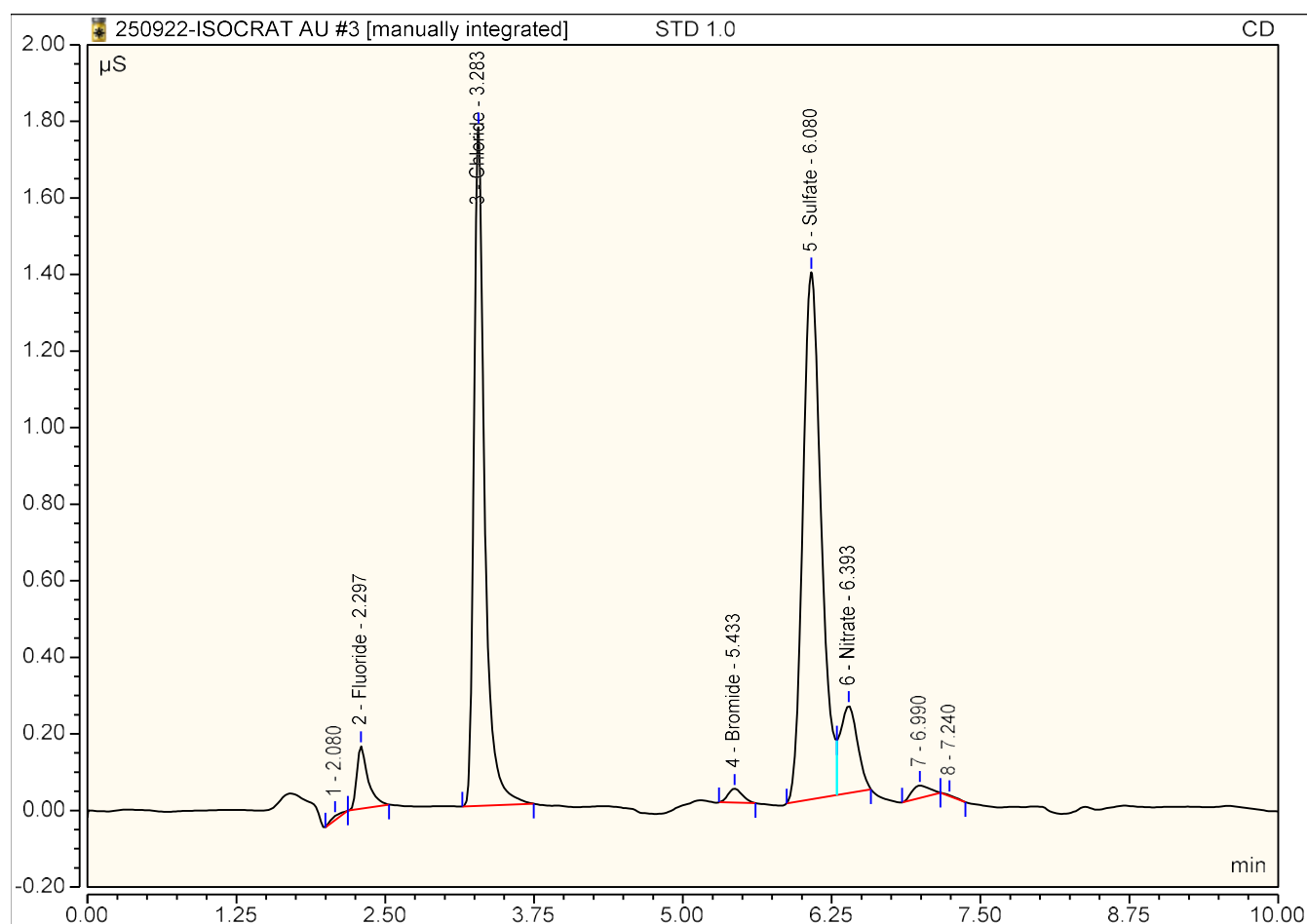
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.30	Fluoride	BMB	0.009	0.080	0.0477
2	3.31	Chloride	BMB	0.101	0.931	0.3531
3	5.40	Bromide	BMB*	0.001	0.012	0.0483
4	6.07	Sulfate	BM *	0.111	0.574	0.7372
5	6.39	Nitrate	MB*	0.021	0.113	0.0335
TOTAL:				0.24	1.71	1.22



Peak Integration Report

Sample Name:	STD 1.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 15:02	Run Time:	10.00

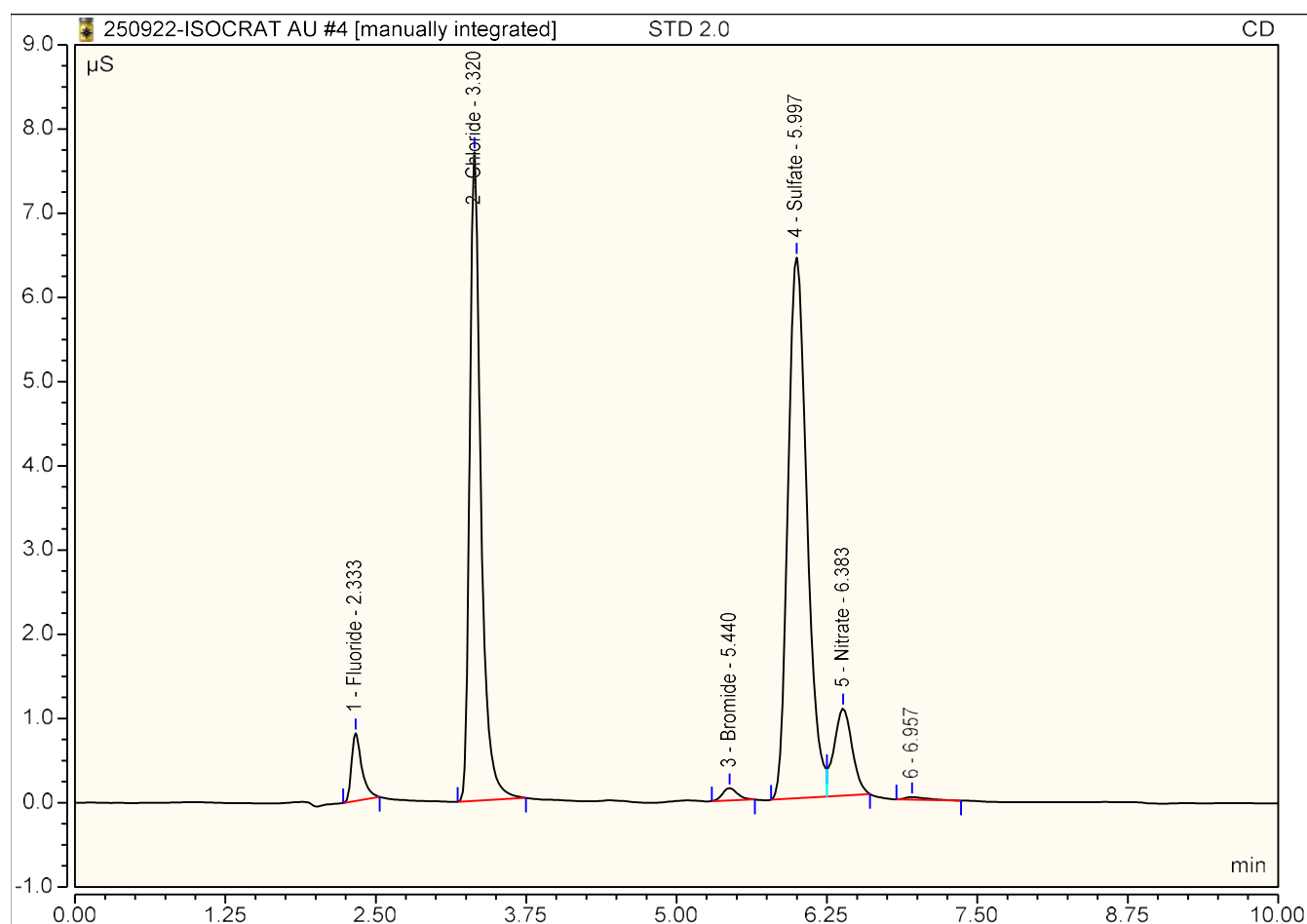
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.018	0.164	0.0627
3	3.28	Chloride	BMB	0.187	1.773	0.5505
4	5.43	Bromide	BMB*	0.005	0.036	0.0747
5	6.08	Sulfate	BM *	0.245	1.376	1.1732
6	6.39	Nitrate	MB*	0.038	0.228	0.0486
TOTAL:				0.49	3.58	1.91



Peak Integration Report

Sample Name:	STD 2.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 15:14	Run Time:	10.00

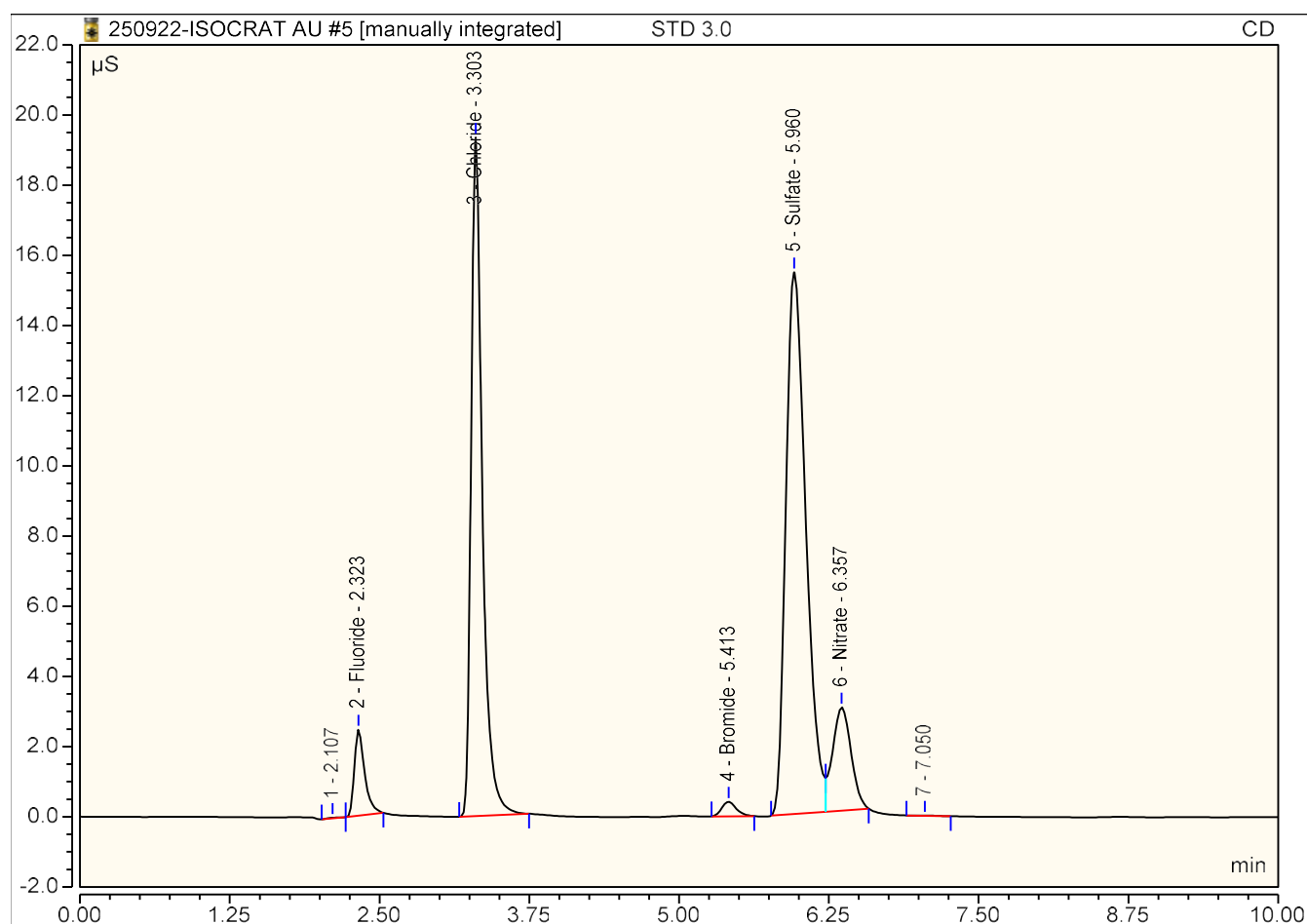
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	0.080	0.806	0.1692
2	3.32	Chloride	BMB	0.835	7.704	2.0467
3	5.44	Bromide	BMB*	0.021	0.148	0.1893
4	6.00	Sulfate	BM *	1.177	6.419	4.2111
5	6.38	Nitrate	MB*	0.181	1.035	0.1711
TOTAL:				2.29	16.11	6.79



Peak Integration Report

Sample Name:	STD 3.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 15:26	Run Time:	10.00

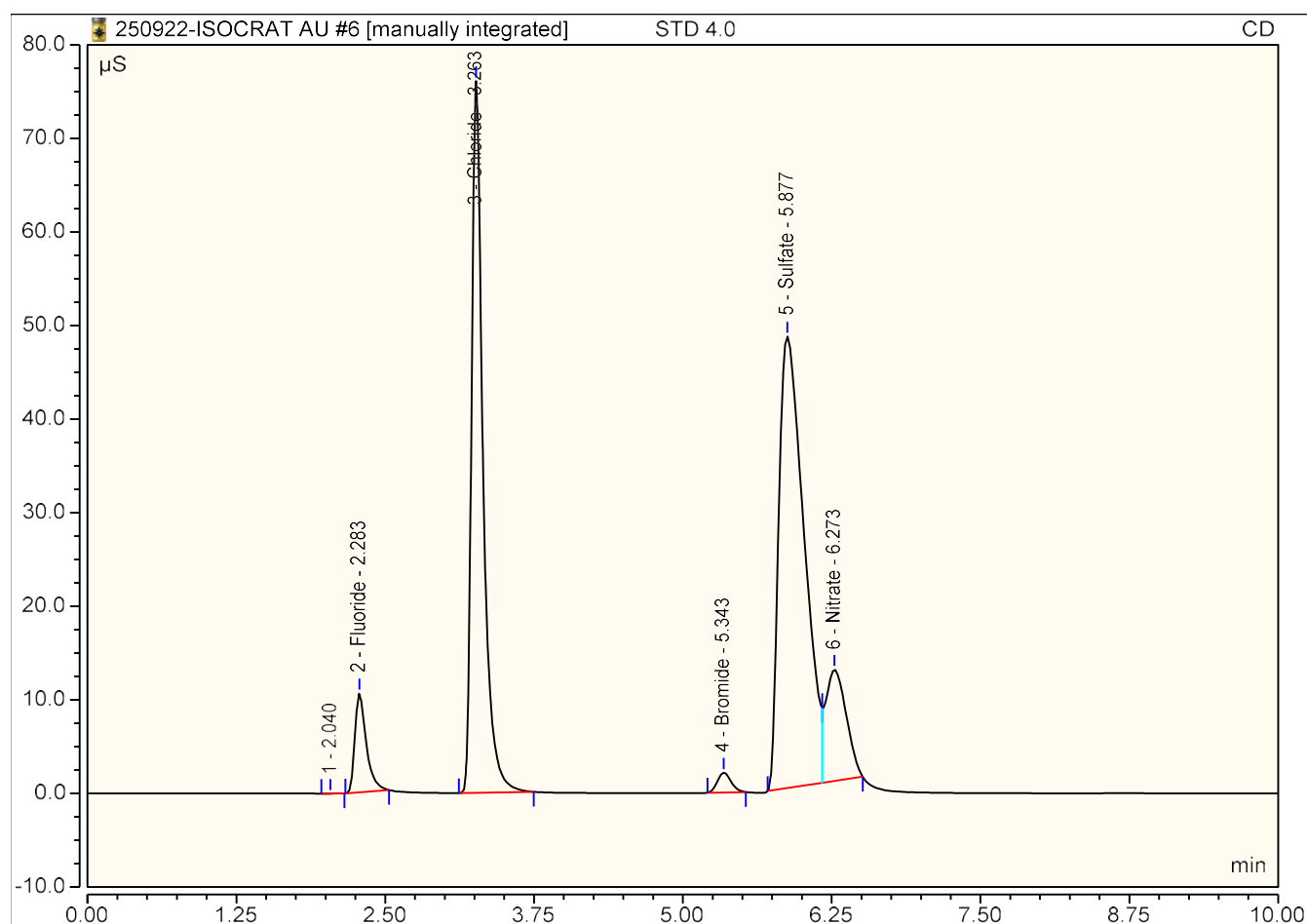
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.245	2.462	0.4538
3	3.30	Chloride	BMB	2.108	19.337	4.9808
4	5.41	Bromide	BMB*	0.058	0.417	0.4500
5	5.96	Sulfate	BM *	2.985	15.439	10.1018
6	6.36	Nitrate	MB*	0.530	2.946	0.4714
TOTAL:				5.93	40.60	16.46



Peak Integration Report

Sample Name:	STD 4.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 15:38	Run Time:	10.00

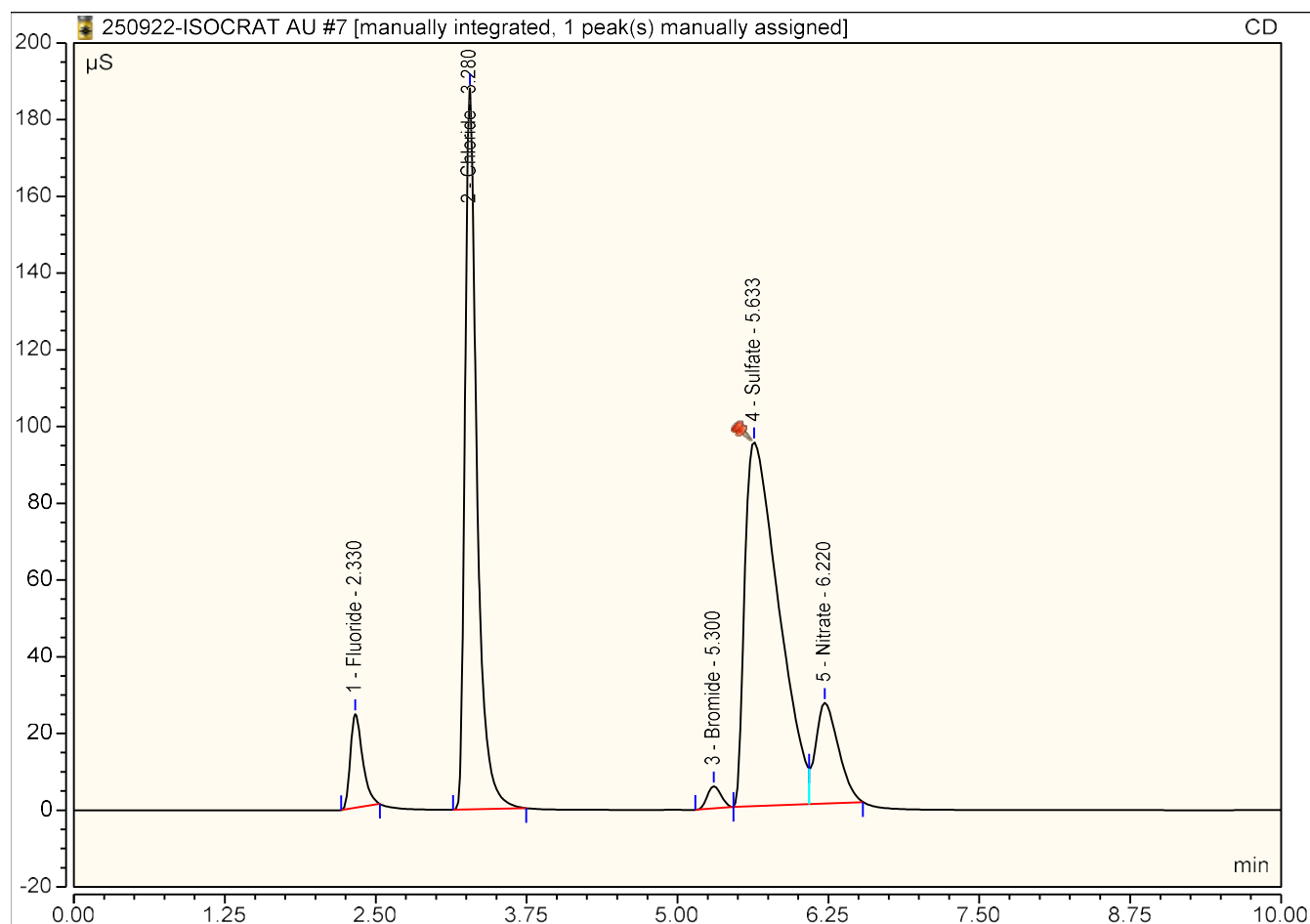
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	1.177	10.580	2.0599
3	3.26	Chloride	BMB	8.490	76.047	19.6998
4	5.34	Bromide	BMB*	0.279	2.109	2.0127
5	5.88	Sulfate	BM *	11.802	48.270	38.8305
6	6.27	Nitrate	MB*	2.396	11.901	2.0773
TOTAL:				24.14	148.91	64.68



Peak Integration Report

Sample Name:	STD 5.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 15:50	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	2.872	24.427	4.9817
2	3.28	Chloride	BMB	21.681	187.916	50.1191
3	5.30	Bromide	BMB*	0.761	5.788	5.4201
4	5.63	Sulfate	BM ^A	30.713	94.924	100.4463
5	6.22	Nitrate	MB*	5.762	26.251	4.9731
TOTAL:				61.79	339.31	165.94

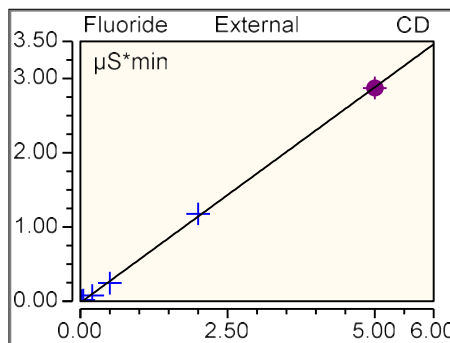


Calibration Batch Report

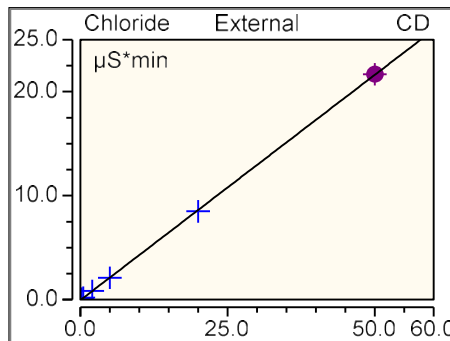
Sequence:	250922-ISOCRAT AU	Injection Volume:	25.00
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	19-Sep-2025 / 15:50	Run Time:	10

Calibration Summary							
Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	in, WithOffset	6.000	-0.019	0.580	0.000	99.9600
Chloride	Area	in, WithOffset	6.000	-0.052	0.434	0.000	99.9938
Bromide	Area	in, WithOffset	5.000	-0.005	0.142	0.000	99.8576
Sulfate	Area	in, WithOffset	6.000	-0.115	0.307	0.000	99.9778
Nitrate	Area	in, WithOffset	6.000	-0.018	1.162	0.000	99.9562
AVERAGE:				-0.0419	0.5249	0.0000	99.9491

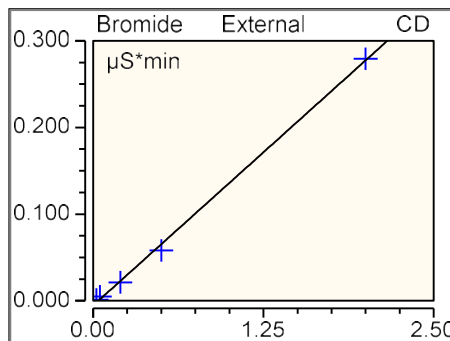
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Fluoride 2.303	Fluoride 0.0091	Fluoride 0.080	Fluoride 0.048
STD 1.0	2.297	0.0178	0.164	0.063
STD 2.0	2.333	0.0796	0.806	0.169
STD 3.0	2.323	0.2447	2.462	0.454
STD 4.0	2.283	1.1768	10.580	2.060
STD 5.0	2.330	2.8725	24.427	4.982
Average	2.312			
Rel. Std. Dev.	0.874 %			



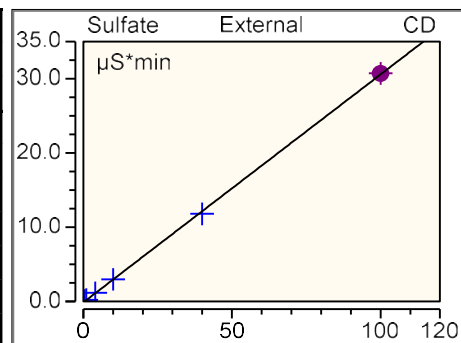
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Chloride 3.313	Chloride 0.1010	Chloride 0.931	Chloride 0.353
STD 1.0	3.283	0.1866	1.773	0.550
STD 2.0	3.320	0.8354	7.704	2.047
STD 3.0	3.303	2.1077	19.337	4.981
STD 4.0	3.263	8.4902	76.047	19.700
STD 5.0	3.280	21.6809	187.916	50.119
Average	3.294			
Rel. Std. Dev.	0.663 %			



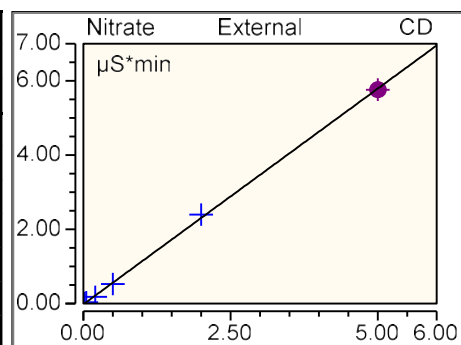
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Bromide 5.403	Bromide 0.0013	Bromide 0.012	Bromide 0.048
STD 1.0	5.433	0.0051	0.036	0.075
STD 2.0	5.440	0.0213	0.148	0.189
STD 3.0	5.413	0.0582	0.417	0.450
STD 4.0	5.343	0.2793	2.109	2.013
STD 5.0	5.300	0.7615	5.788	5.420
Average	5.389			
Rel. Std. Dev.	1.029 %			



Injection Name	Ret. Time min CD	Area $\mu\text{S} \cdot \text{min}$ CD	Height μS CD	Amount CD
STD 0.5	Sulfate 6.067	Sulfate 0.1113	Sulfate 0.574	Sulfate 0.737
STD 1.0	6.080	0.2451	1.376	1.173
STD 2.0	5.997	1.1775	6.419	4.211
STD 3.0	5.960	2.9854	15.439	10.102
STD 4.0	5.877	11.8025	48.270	38.831
STD 5.0	5.633	30.7128	94.924	100.446
Average	5.936			
Rel. Std. Dev.	2.791 %			



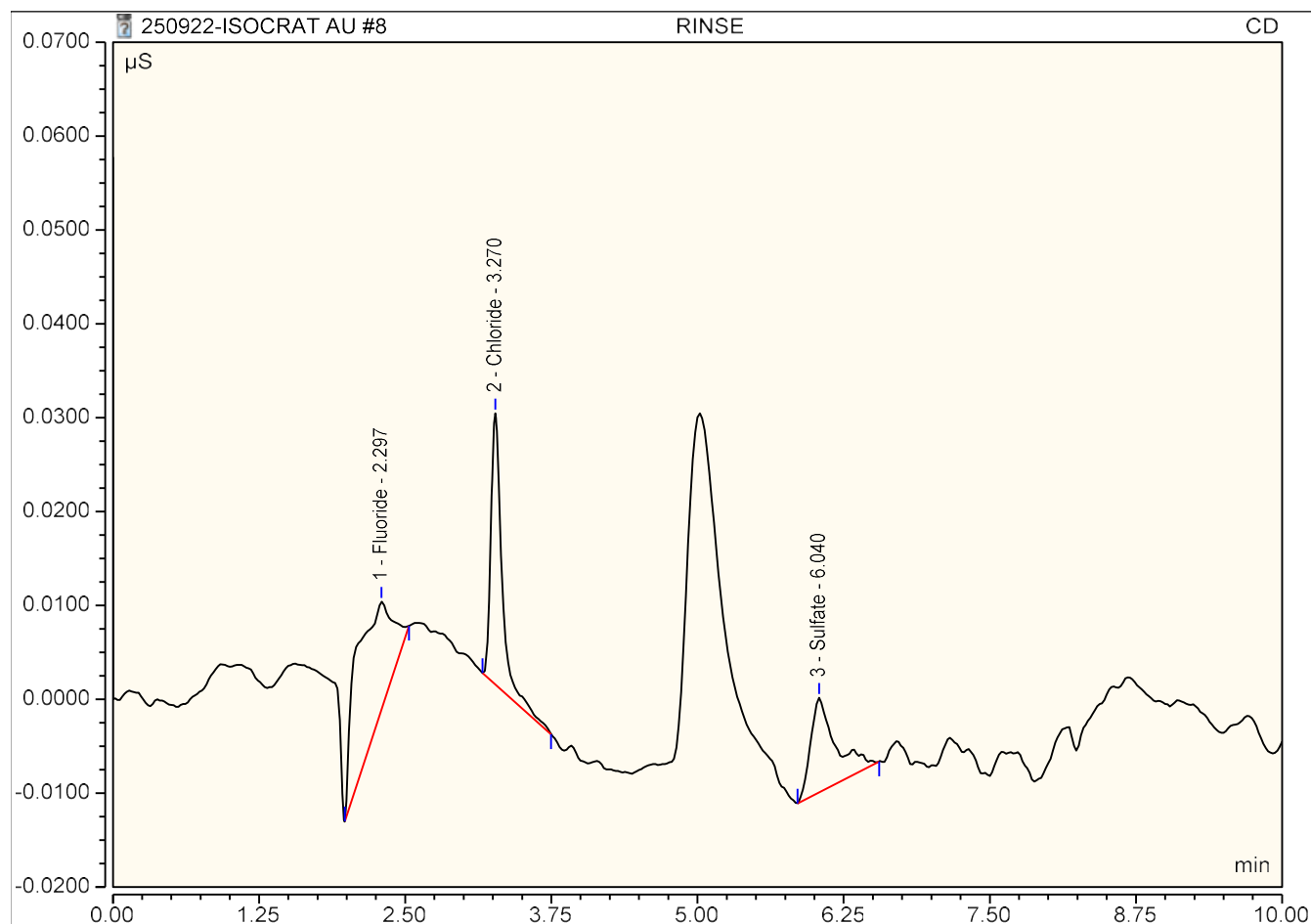
Injection Name	Ret. Time min CD	Area $\mu\text{S} \cdot \text{min}$ CD	Height μS CD	Amount CD
STD 0.5	Nitrate 6.393	Nitrate 0.0208	Nitrate 0.113	Nitrate 0.034
STD 1.0	6.393	0.0383	0.228	0.049
STD 2.0	6.383	0.1806	1.035	0.171
STD 3.0	6.357	0.5297	2.946	0.471
STD 4.0	6.273	2.3962	11.901	2.077
STD 5.0	6.220	5.7619	26.251	4.973
Average	6.337			
Rel. Std. Dev.	1.152 %			



Peak Integration Report

Sample Name:	RINSE	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 15:46	Run Time:	10.00

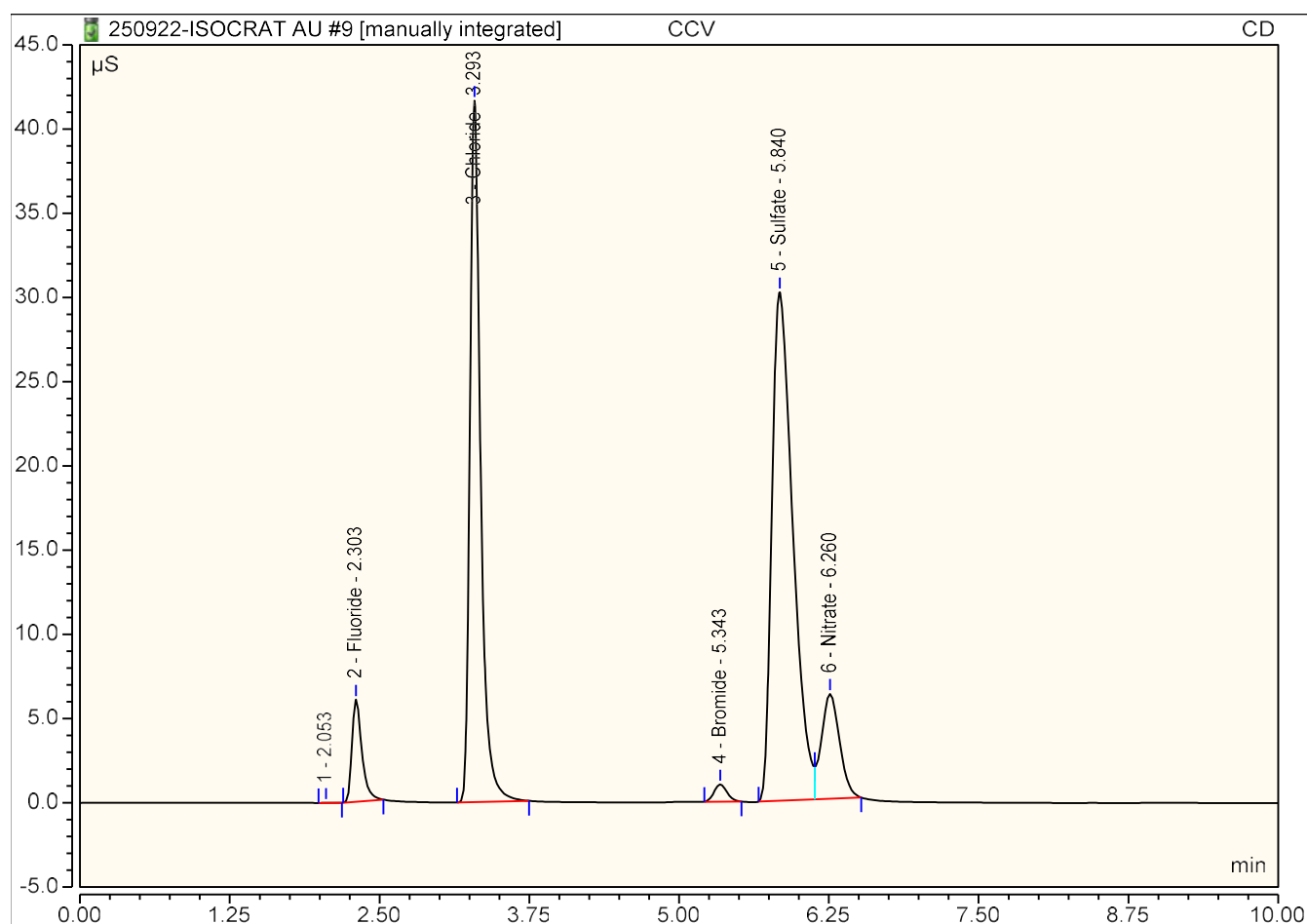
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.30	Fluoride	BMB	0.005	0.012	0.0405
2	3.27	Chloride	BMB	0.003	0.029	0.1276
3	6.04	Sulfate	BMB	0.002	0.010	0.3826
TOTAL:				0.01	0.05	0.55



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 15:58	Run Time:	10.00

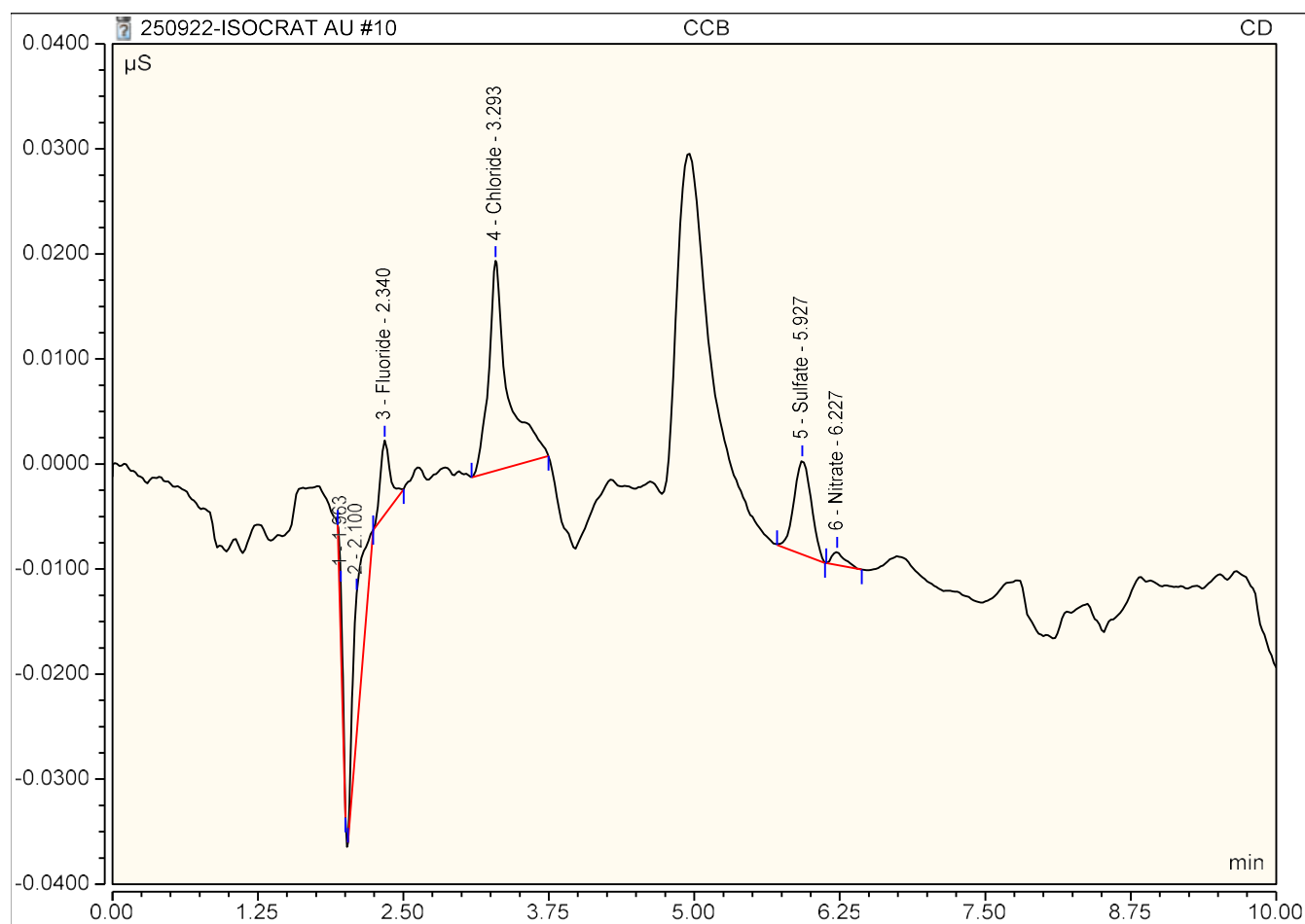
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.578	6.056	1.0284
3	3.29	Chloride	BMB	4.323	41.643	10.0896
4	5.34	Bromide	BMB*	0.128	1.024	0.9448
5	5.84	Sulfate	BM *	6.114	30.181	20.2950
6	6.26	Nitrate	MB*	1.096	6.231	0.9587
TOTAL:				12.24	85.14	33.32



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 16:11	Run Time:	10.00

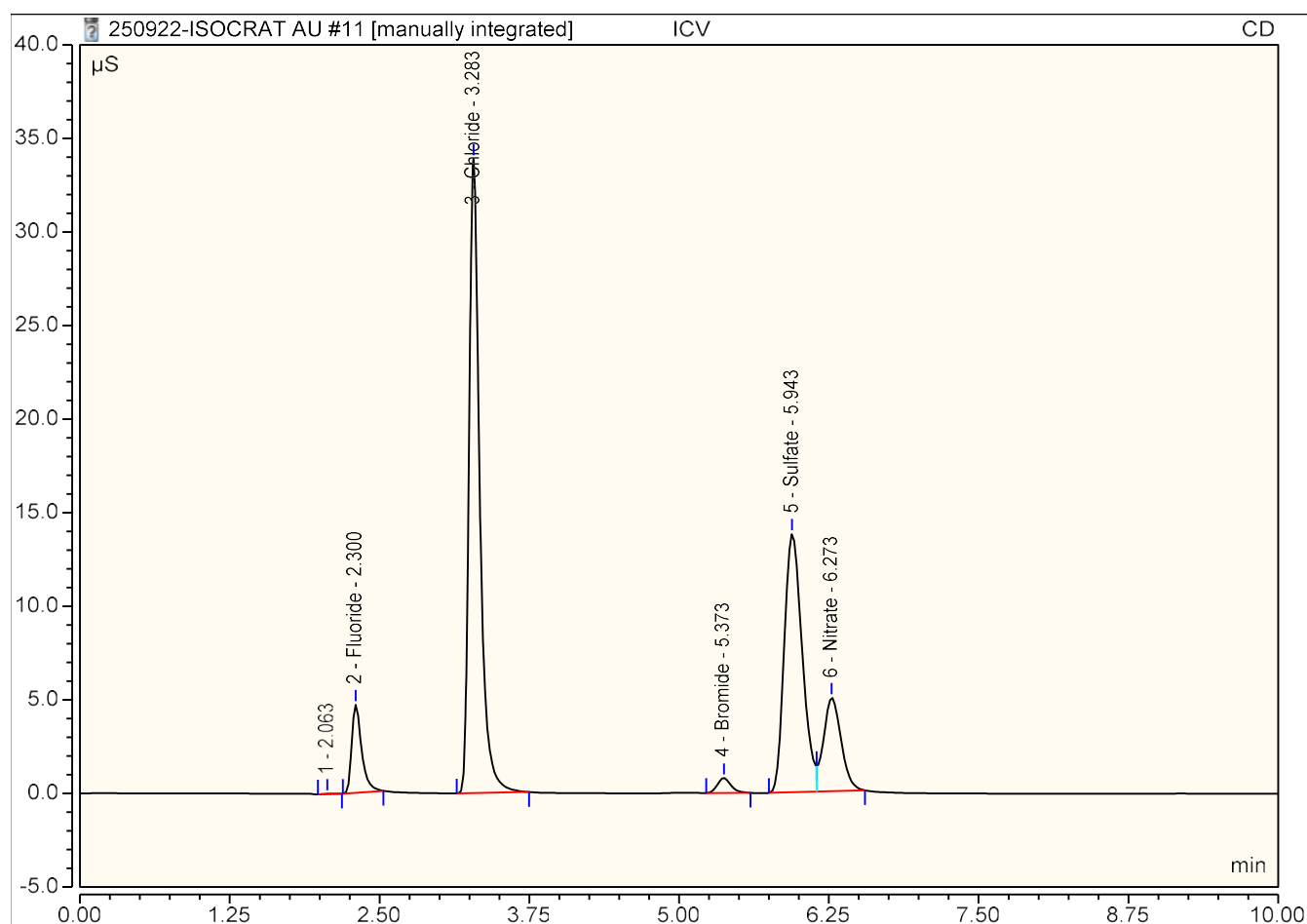
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
3	2.34	Fluoride	BMB	0.001	0.007	0.0333
4	3.29	Chloride	BMB	0.004	0.020	0.1291
5	5.93	Sulfate	BMB	0.002	0.009	0.3796
6	6.23	Nitrate	BMB	0.000	0.001	0.0158
TOTAL:				0.01	0.04	0.56



Peak Integration Report

Sample Name:	ICV	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 16:23	Run Time:	10.00

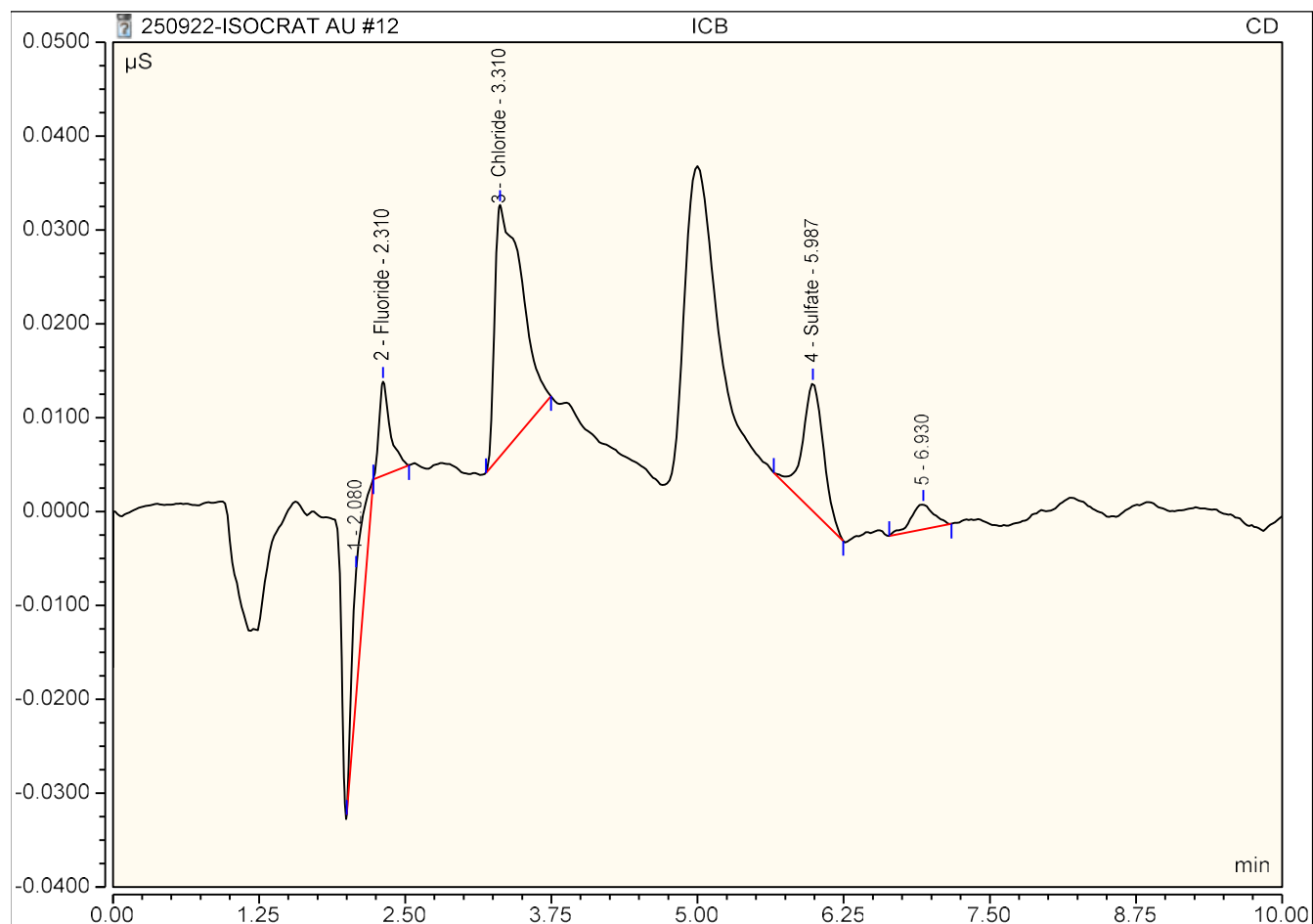
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.448	4.705	0.8043
3	3.28	Chloride	BMB	3.519	33.887	8.2363
4	5.37	Bromide	BMB*	0.103	0.794	0.7696
5	5.94	Sulfate	BM *	2.395	13.806	8.1766
6	6.27	Nitrate	MB*	0.854	4.989	0.7501
TOTAL:				7.32	58.18	18.74



Peak Integration Report

Sample Name:	ICB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 16:35	Run Time:	10.00

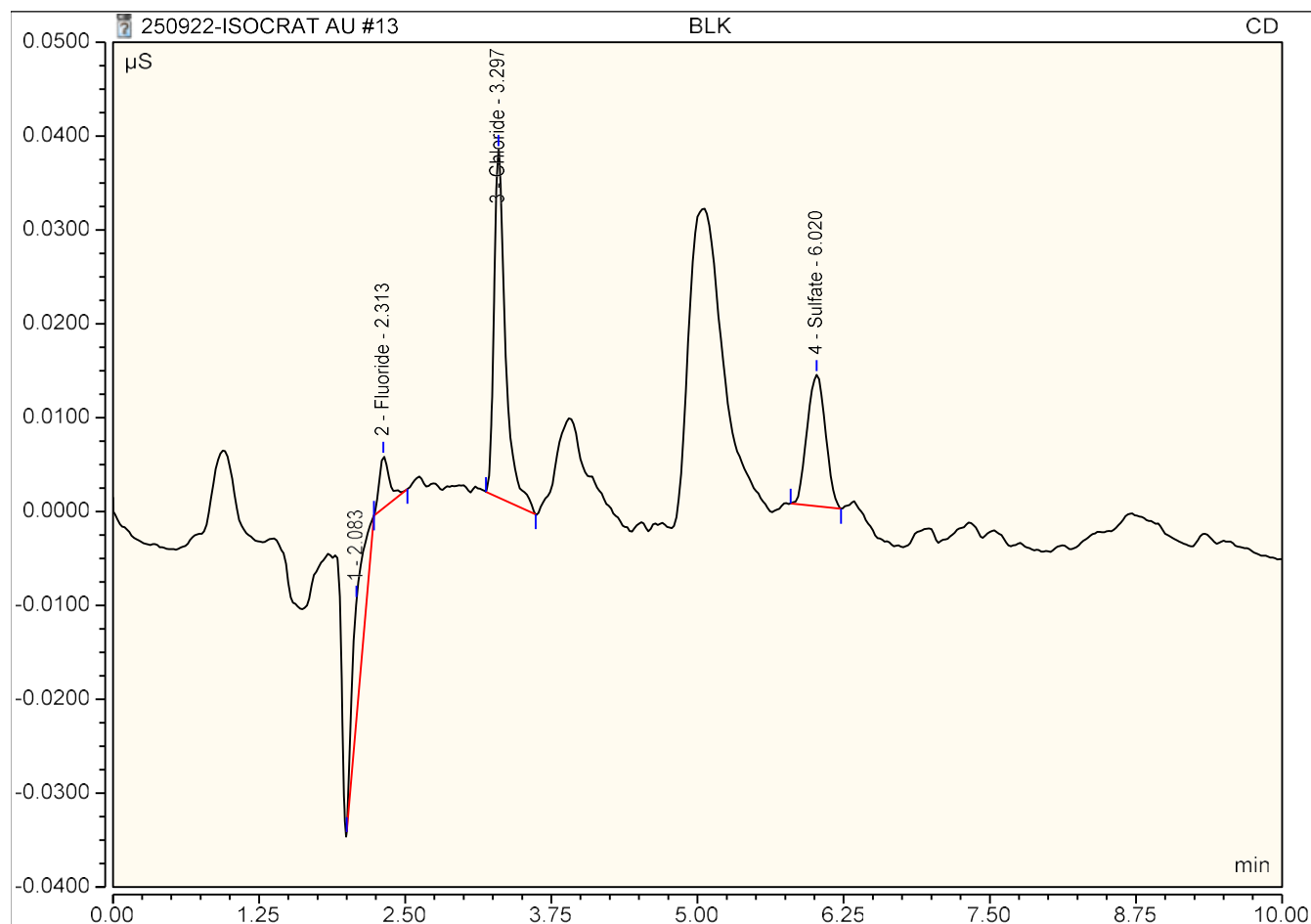
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.001	0.010	0.0340
3	3.31	Chloride	BMB	0.007	0.027	0.1363
4	5.99	Sulfate	BMB	0.003	0.014	0.3837
TOTAL:				0.01	0.05	0.55



Peak Integration Report

Sample Name:	BLK	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 16:47	Run Time:	10.00

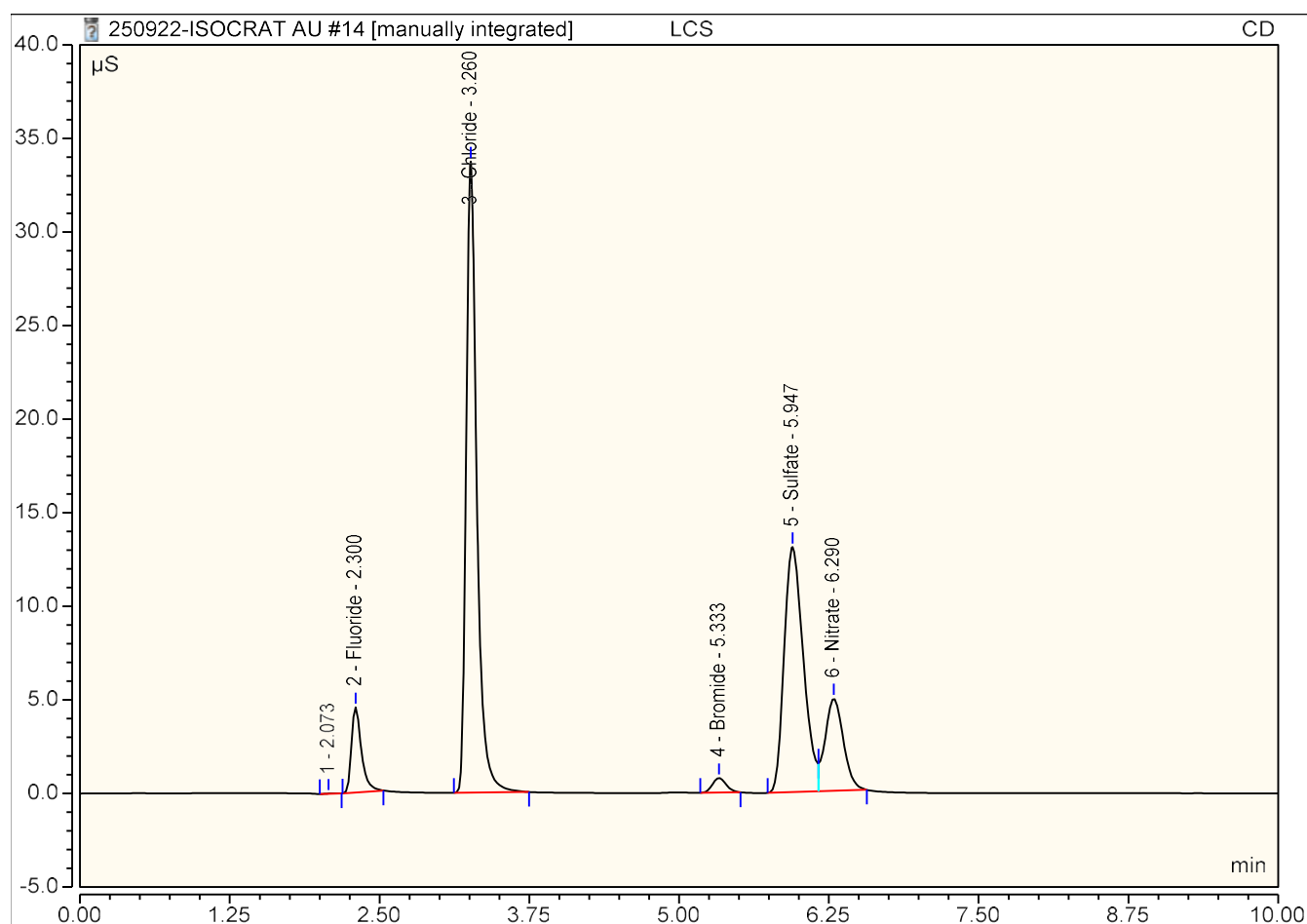
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.001	0.005	0.0331
3	3.30	Chloride	BMB	0.004	0.037	0.1300
4	6.02	Sulfate	BMB	0.003	0.014	0.3829
TOTAL:				0.01	0.06	0.55



Peak Integration Report

Sample Name:	LCS	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 16:59	Run Time:	10.00

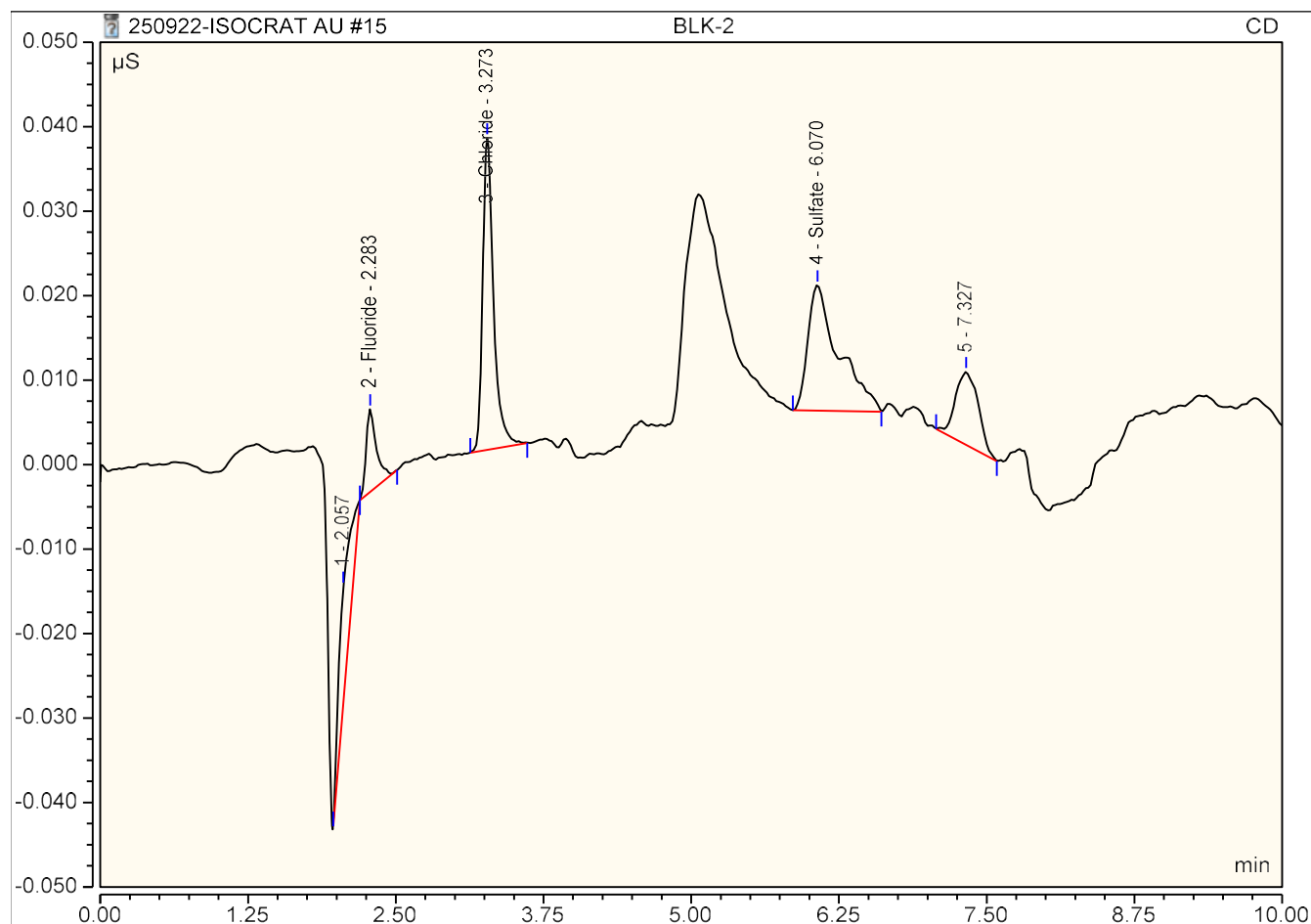
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.436	4.543	0.7826
3	3.26	Chloride	BMB	3.474	33.720	8.1324
4	5.33	Bromide	BMB*	0.104	0.774	0.7743
5	5.95	Sulfate	BM *	2.434	13.089	8.3037
6	6.29	Nitrate	MB*	0.872	4.936	0.7657
TOTAL:				7.32	57.06	18.76



Peak Integration Report

Sample Name:	BLK-2	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 17:11	Run Time:	10.00

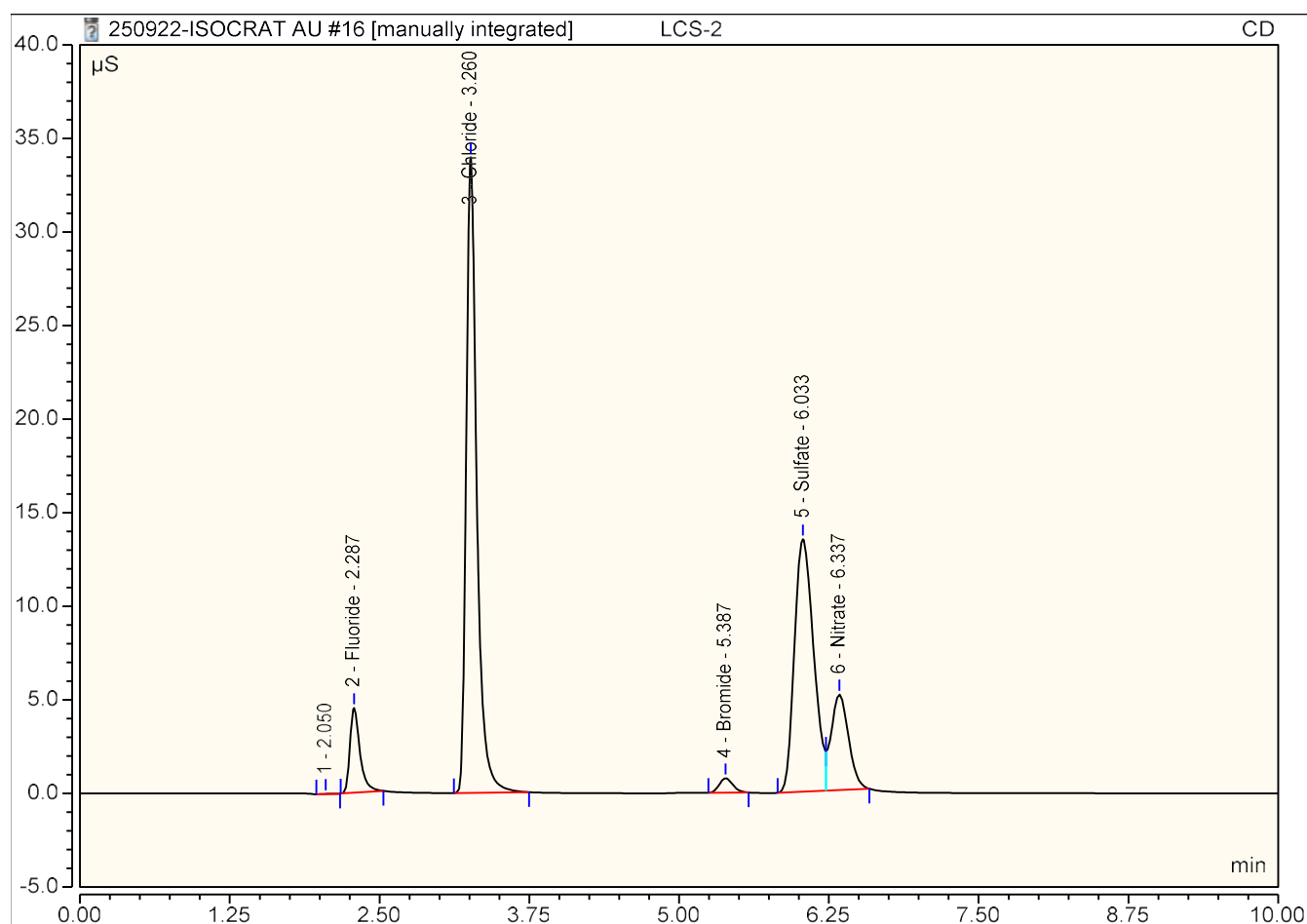
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.001	0.010	0.0338
3	3.27	Chloride	BMB	0.004	0.037	0.1293
4	6.07	Sulfate	BMB	0.004	0.015	0.3891
TOTAL:				0.01	0.06	0.55



Peak Integration Report

Sample Name:	LCS-2	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 17:23	Run Time:	10.00

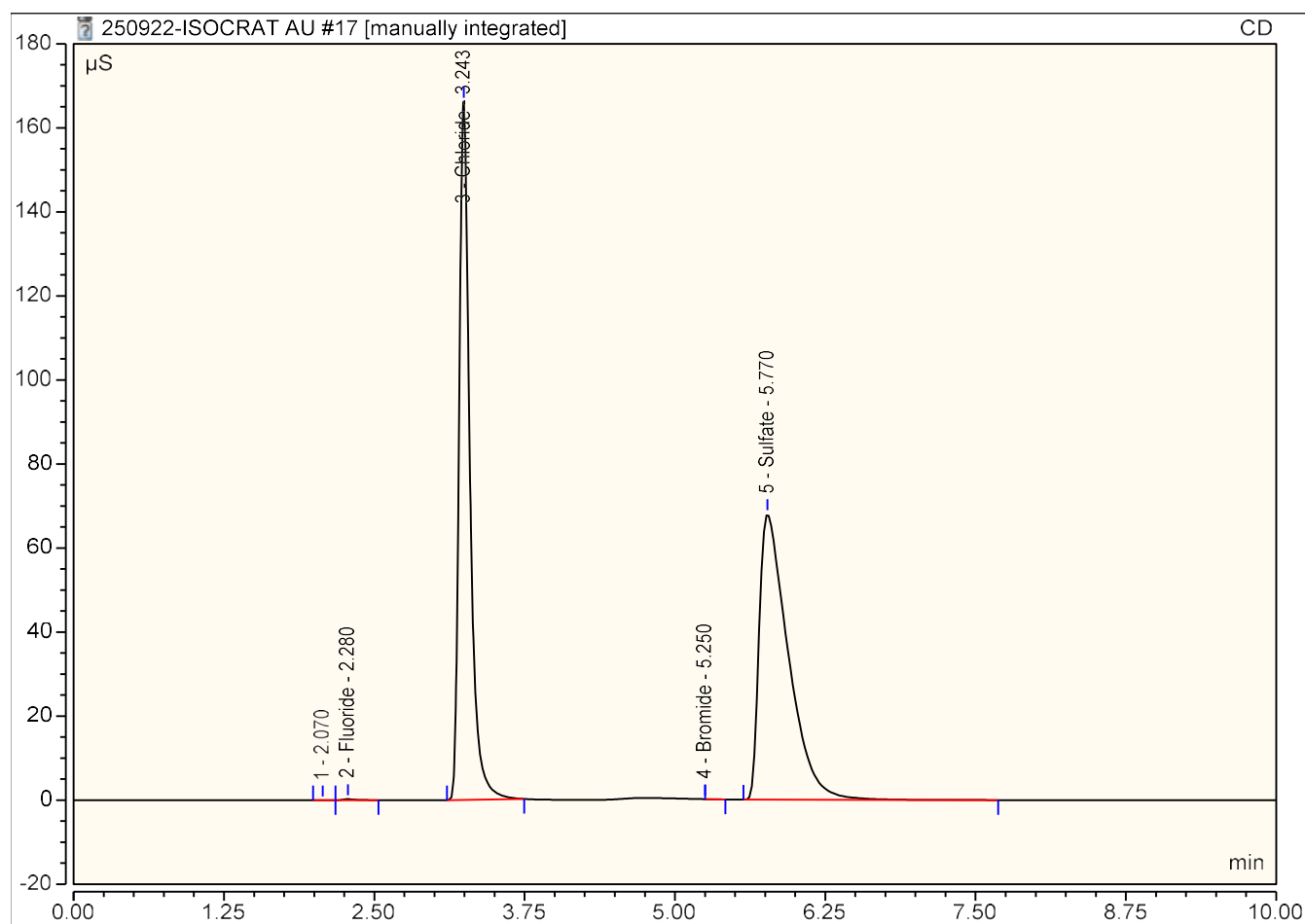
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.435	4.536	0.7823
3	3.26	Chloride	BMB	3.470	33.966	8.1224
4	5.39	Bromide	BMB*	0.102	0.773	0.7584
5	6.03	Sulfate	BM *	2.515	13.496	8.5676
6	6.34	Nitrate	MB*	0.860	5.112	0.7553
TOTAL:				7.38	57.88	18.99



Peak Integration Report

Sample Name:	L2556228-14 CL SO4 BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 17:35	Run Time:	10.00

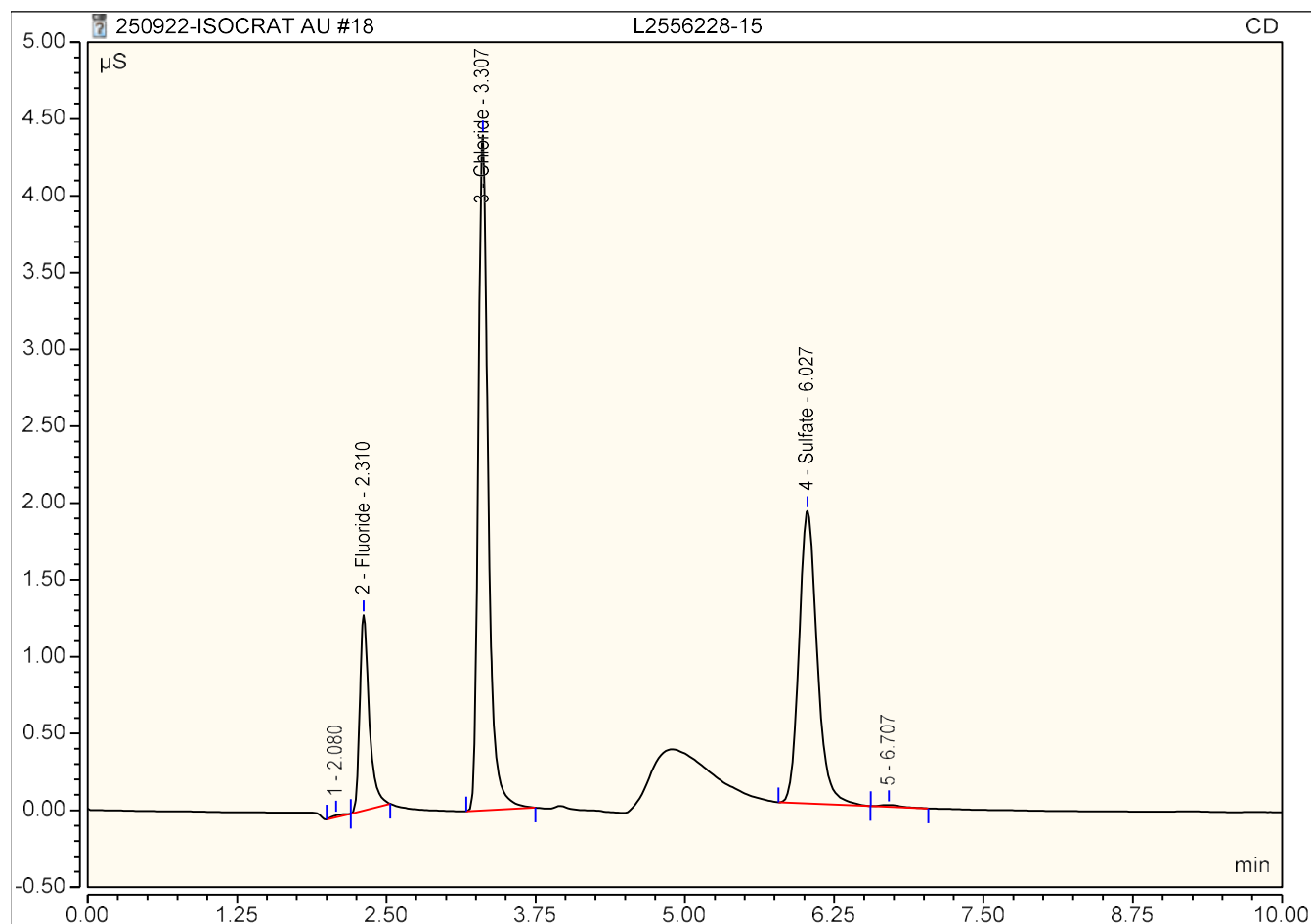
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.029	0.291	0.0821
3	3.24	Chloride	BMB	17.315	166.219	40.0519
4	5.25	Bromide	BMB*	0.001	0.000	0.0448
5	5.77	Sulfate	BMB	19.037	68.029	62.4043
TOTAL:				36.38	234.54	102.58



Peak Integration Report

Sample Name:	L2556228-15	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 17:47	Run Time:	10.00

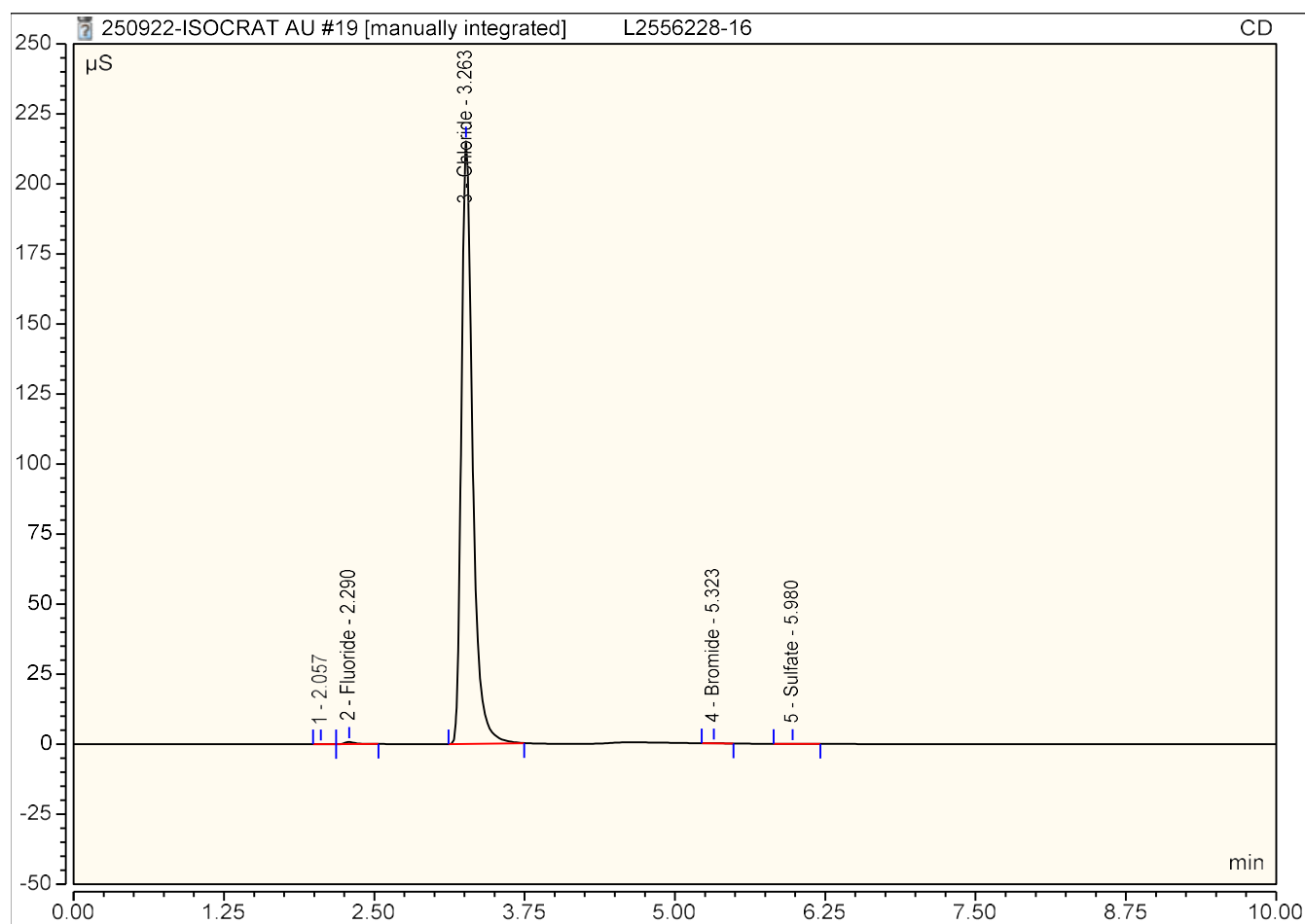
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.117	1.271	0.2335
3	3.31	Chloride	BMB	0.429	4.395	1.1102
4	6.03	Sulfate	BMB	0.336	1.904	1.4708
TOTAL:				0.88	7.57	2.81



Peak Integration Report

Sample Name:	L2556228-16	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 17:59	Run Time:	10.00

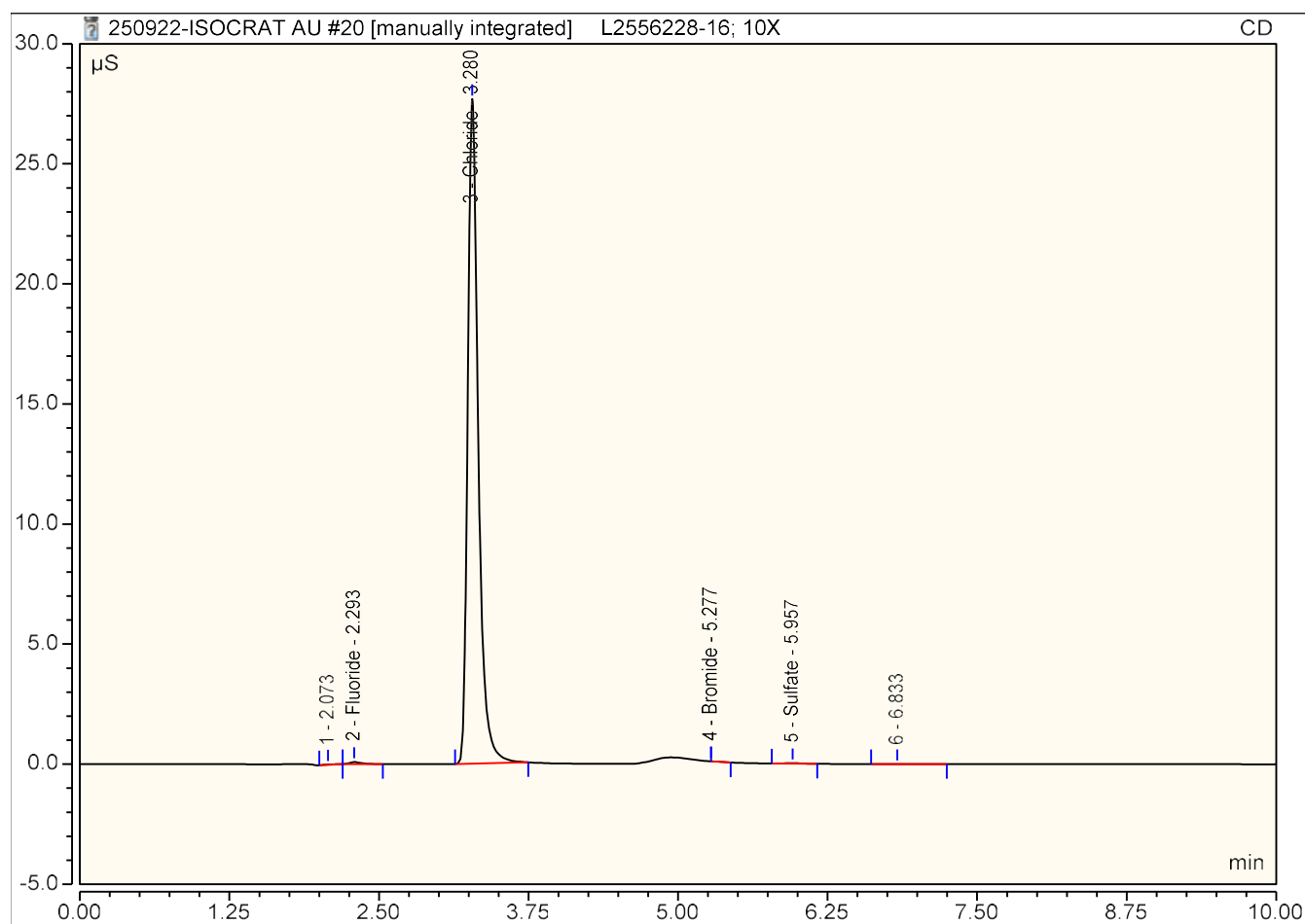
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.078	0.803	0.1665
3	3.26	Chloride	BMB	23.259	215.111	53.7595
4	5.32	Bromide	BMB*	0.010	0.077	0.1098
5	5.98	Sulfate	BMB	0.006	0.031	0.3926
TOTAL:				23.35	216.02	54.43



Peak Integration Report

Sample Name:	L2556228-16; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 18:11	Run Time:	10.00

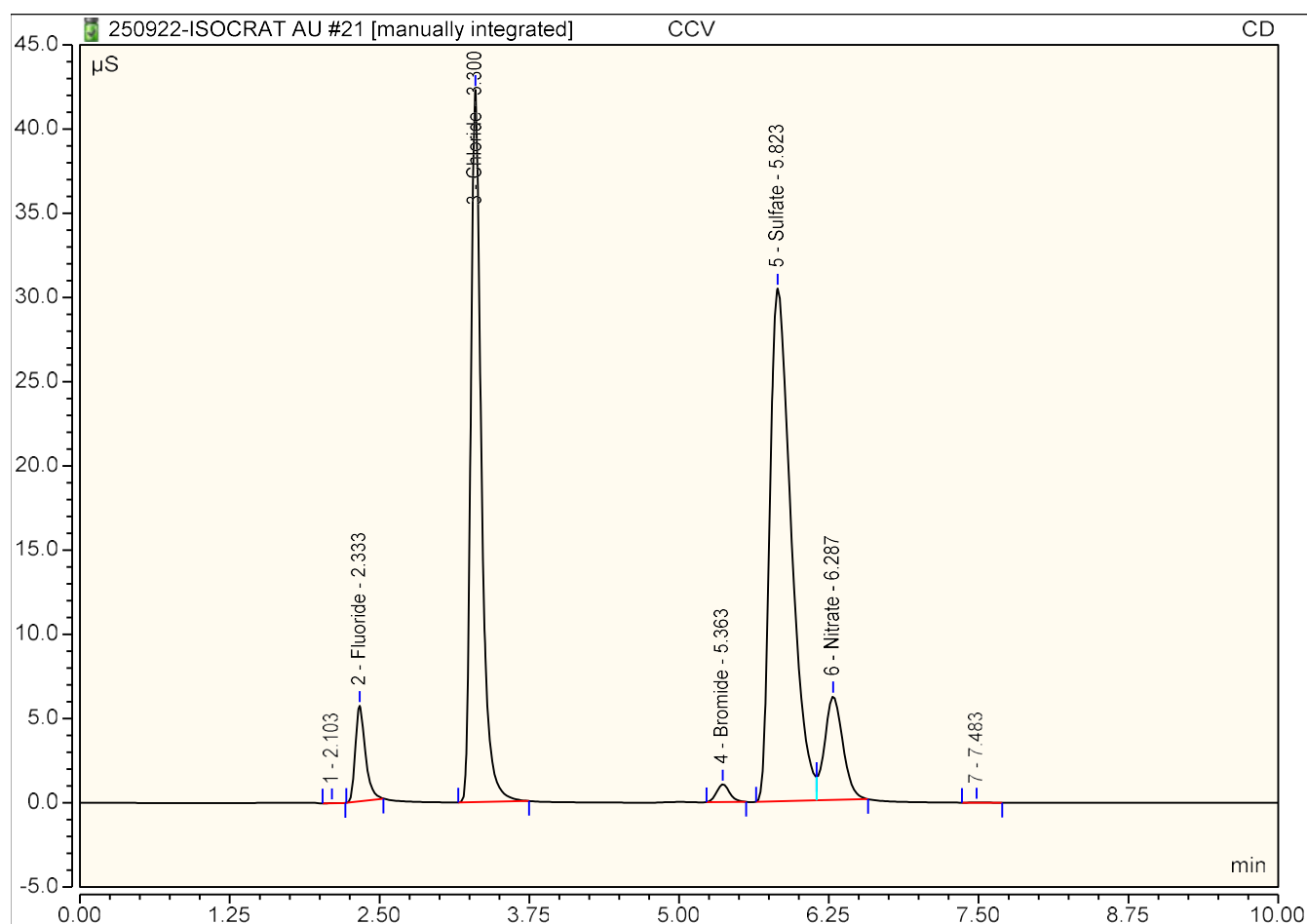
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.009	0.087	0.4776
3	3.28	Chloride	BMB	2.827	27.675	66.3979
4	5.28	Bromide	BMB*	0.000	0.000	0.4169
5	5.96	Sulfate	BMB	0.003	0.018	3.8505
TOTAL:				2.84	27.78	71.14



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 18:24	Run Time:	10.00

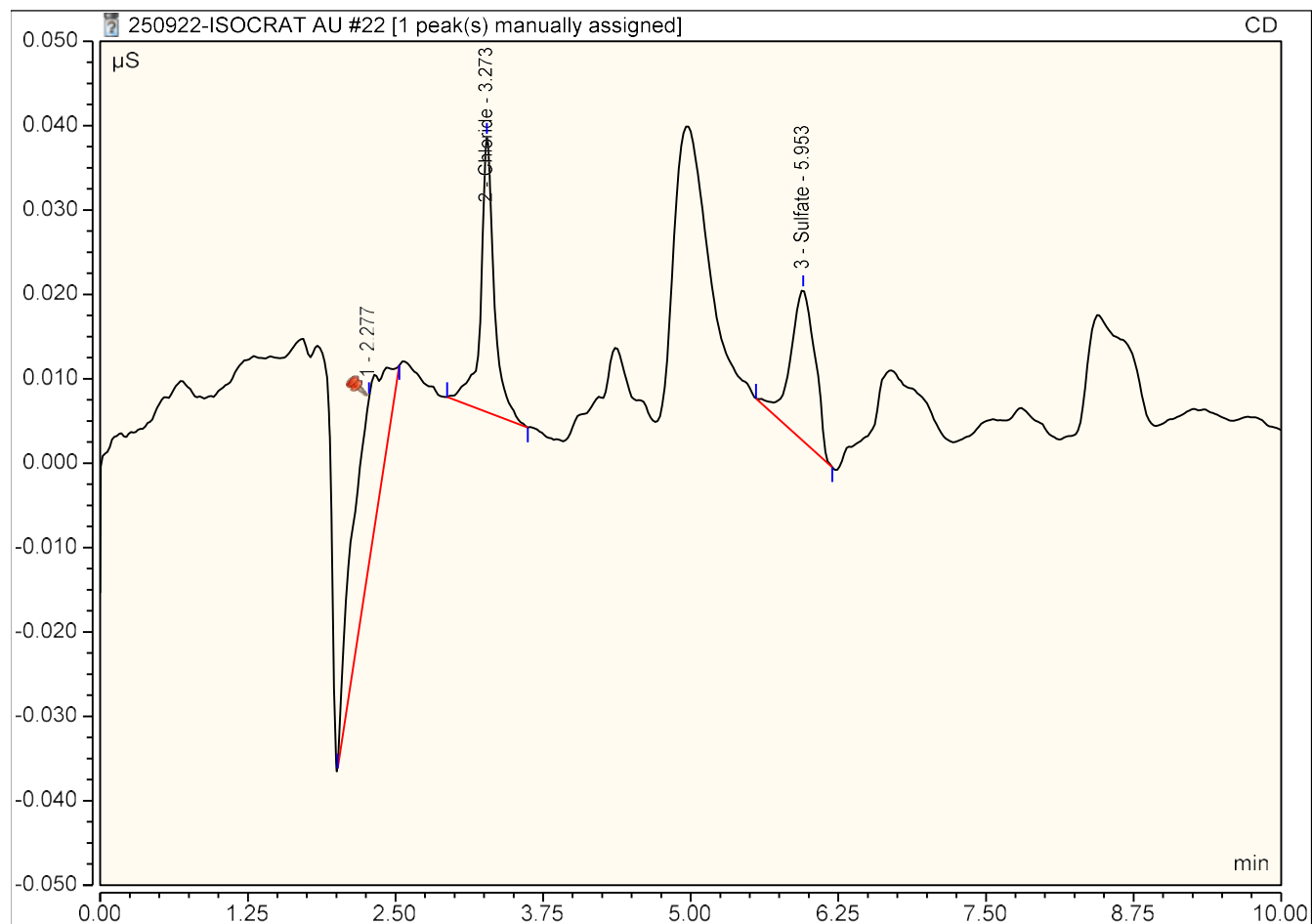
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.551	5.677	0.9812
3	3.30	Chloride	BMB	4.358	42.293	10.1694
4	5.36	Bromide	BMB*	0.132	1.050	0.9735
5	5.82	Sulfate	BM *	6.259	30.442	20.7681
6	6.29	Nitrate	MB*	1.091	6.157	0.9544
TOTAL:				12.39	85.62	33.85



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 18:36	Run Time:	10.00

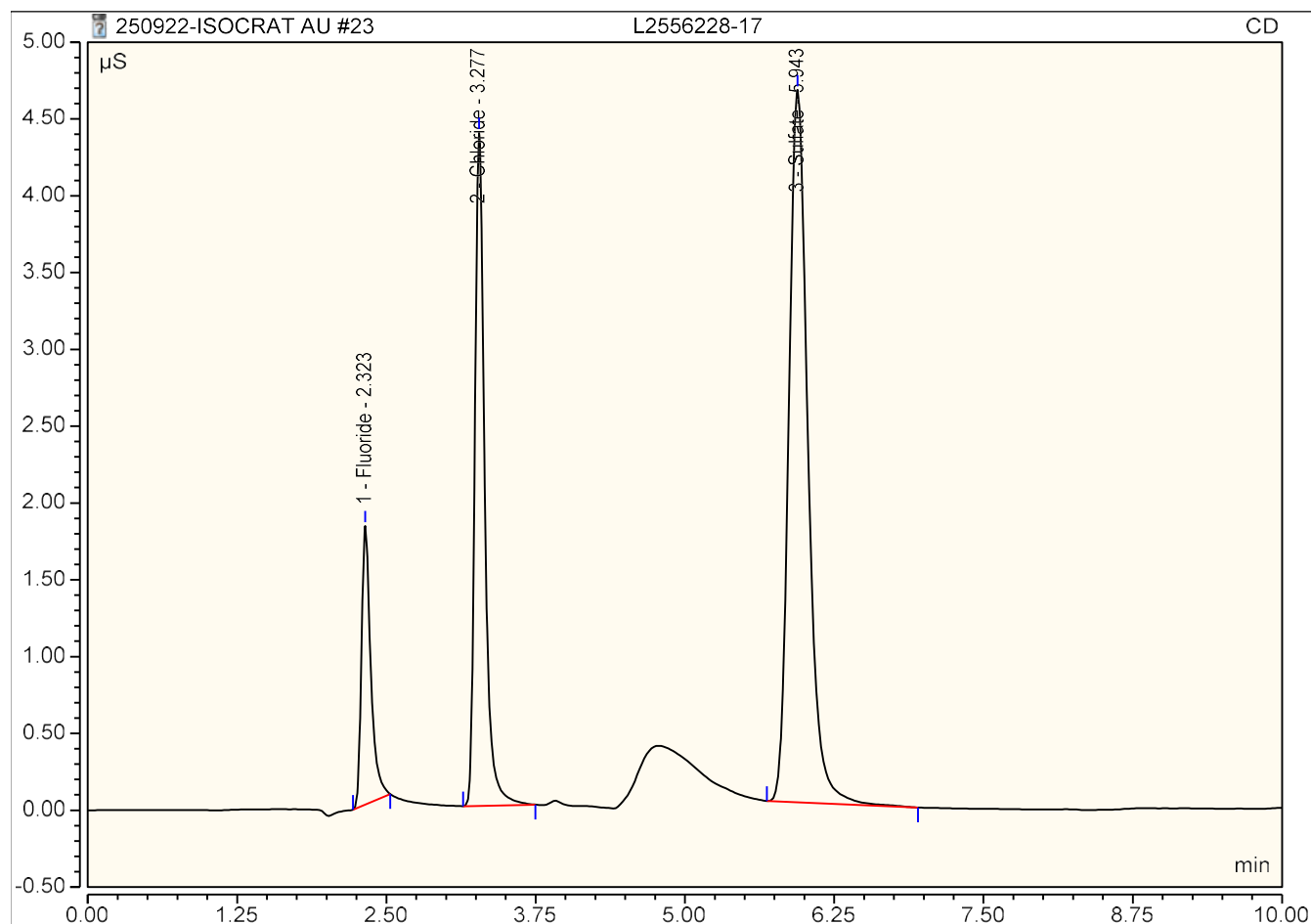
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.27	Chloride	BMB	0.004	0.033	0.1303
3	5.95	Sulfate	BMB	0.004	0.018	0.3885
TOTAL:				0.01	0.05	0.52



Peak Integration Report

Sample Name:	L2556228-17	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 18:48	Run Time:	10.00

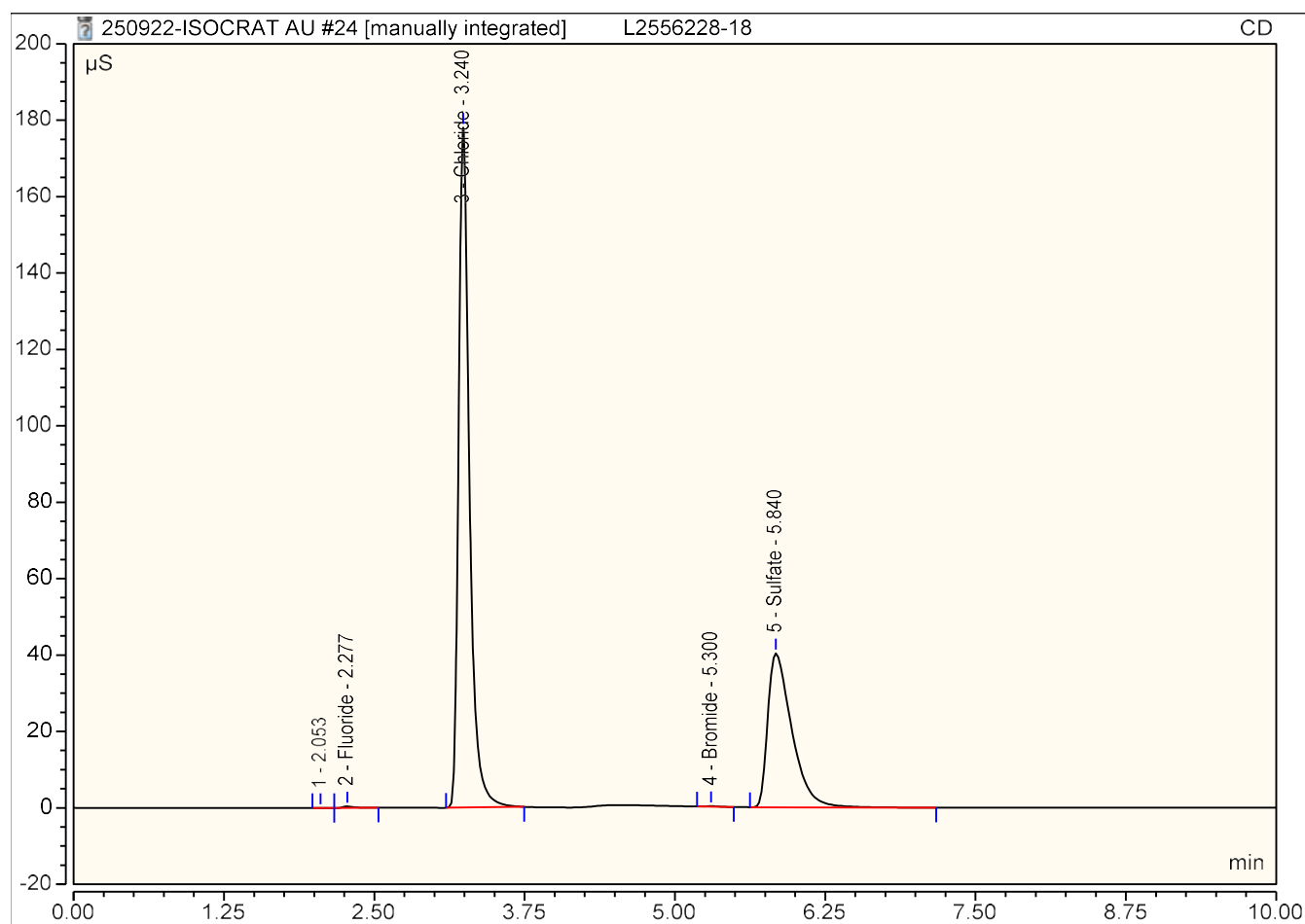
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.32	Fluoride	BMB	0.164	1.815	0.3141
2	3.28	Chloride	BMB	0.420	4.383	1.0895
3	5.94	Sulfate	BMB	0.860	4.637	3.1781
TOTAL:				1.44	10.84	4.58



Peak Integration Report

Sample Name:	L2556228-18	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 19:00	Run Time:	10.00

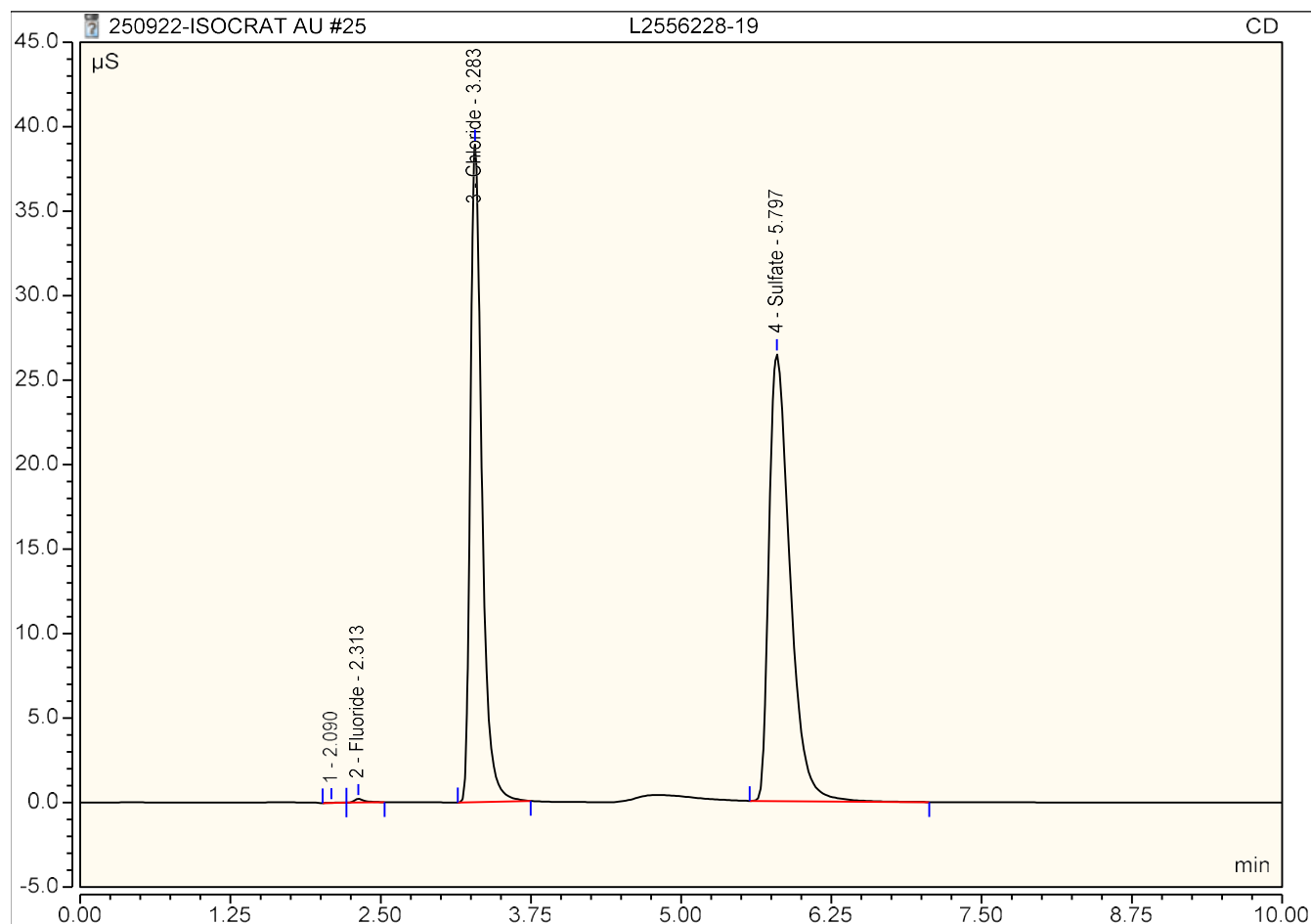
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.041	0.397	0.1020
3	3.24	Chloride	BMB	18.714	177.998	43.2774
4	5.30	Bromide	BMB*	0.018	0.135	0.1626
5	5.84	Sulfate	BMB	9.343	40.339	30.8168
TOTAL:				28.12	218.87	74.36



Peak Integration Report

Sample Name:	L2556228-19	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 19:12	Run Time:	10.00

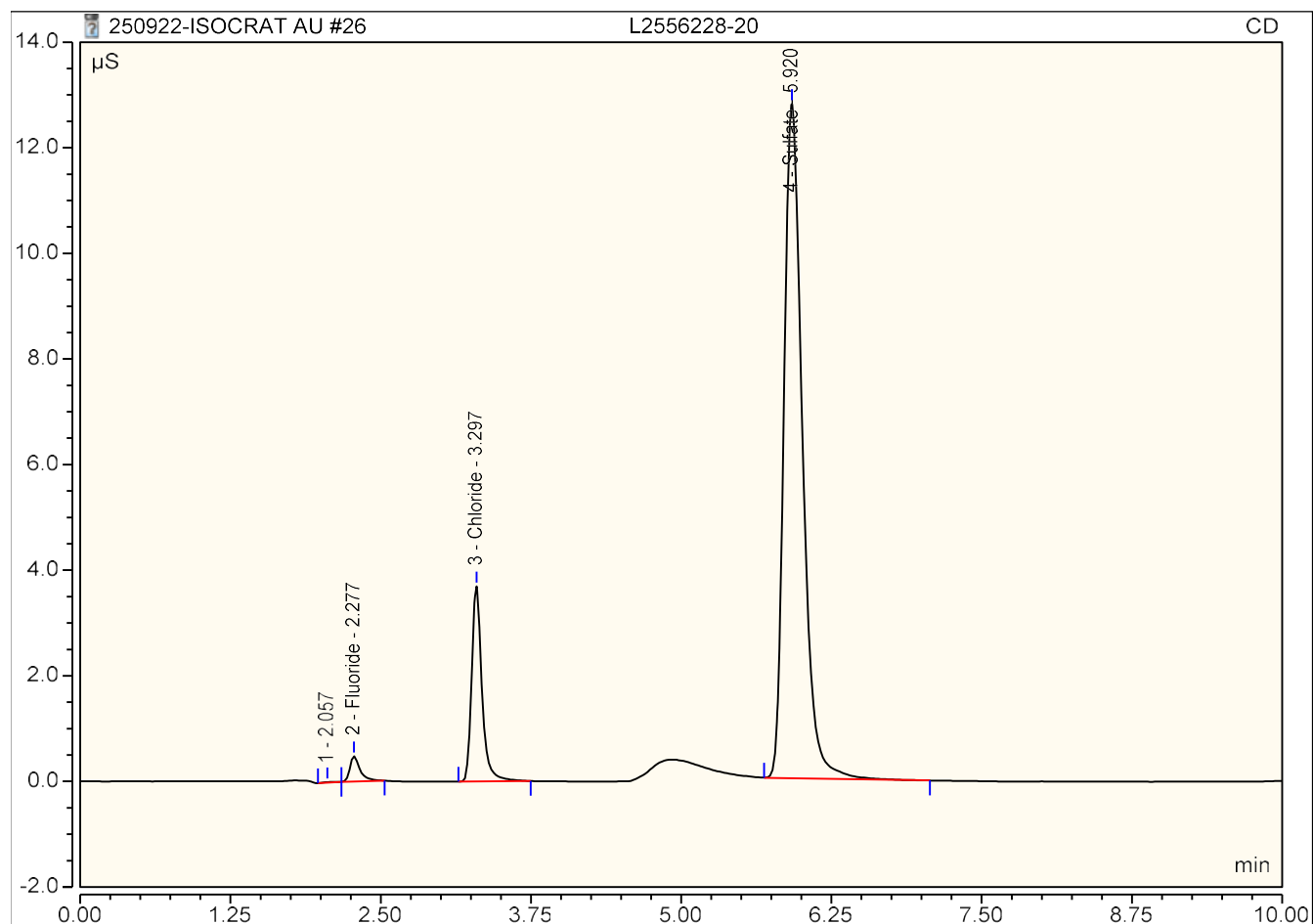
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.021	0.214	0.0684
3	3.28	Chloride	BMB	4.343	38.918	10.1365
4	5.80	Sulfate	BMB	5.369	26.456	17.8668
TOTAL:				9.73	65.59	28.07



Peak Integration Report

Sample Name:	L2556228-20	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 19:24	Run Time:	10.00

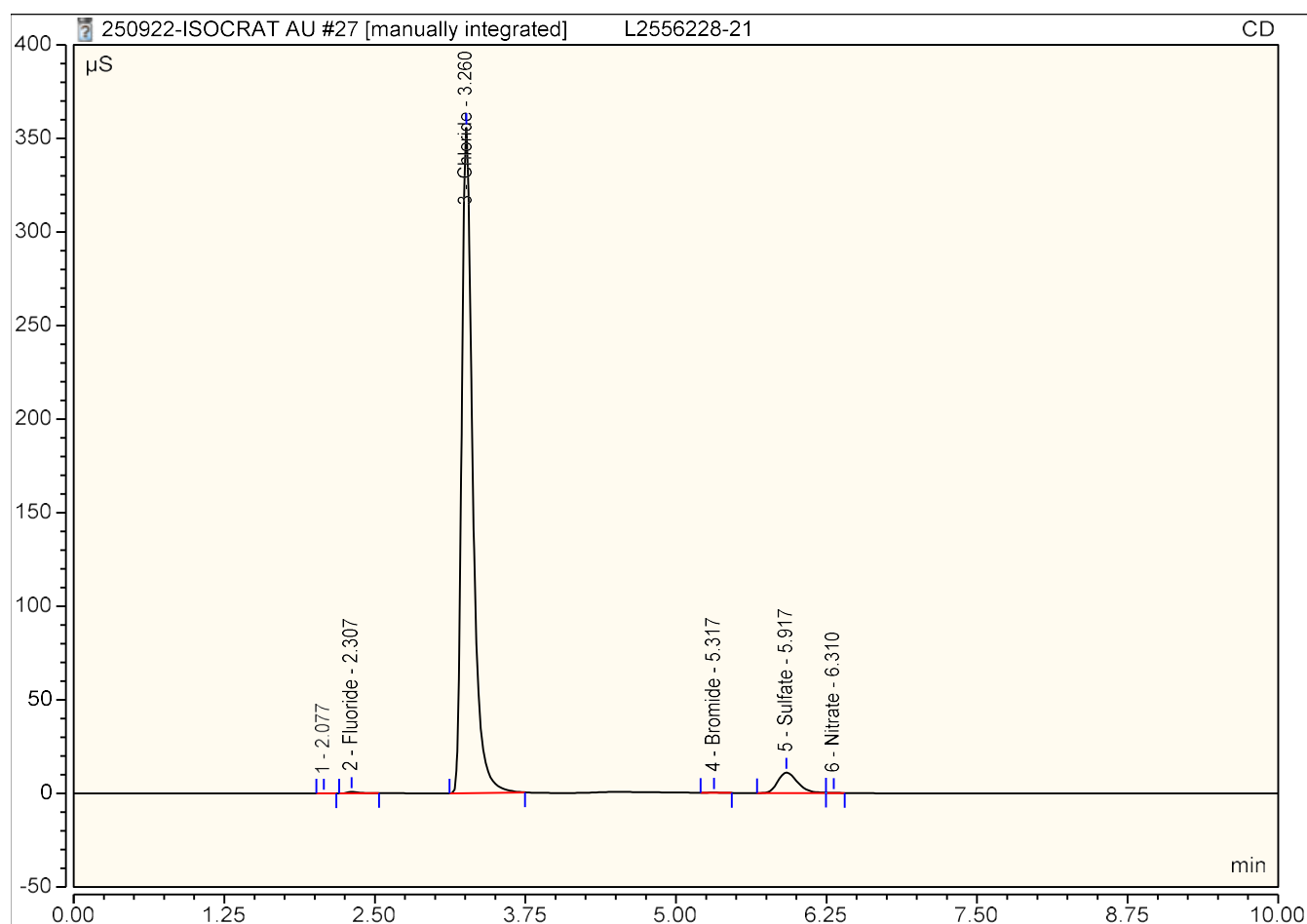
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.047	0.480	0.1128
3	3.30	Chloride	BMB	0.368	3.696	0.9690
4	5.92	Sulfate	BMB	2.263	12.771	7.7489
TOTAL:				2.68	16.95	8.83



Peak Integration Report

Sample Name:	L2556228-21	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 19:36	Run Time:	10.00

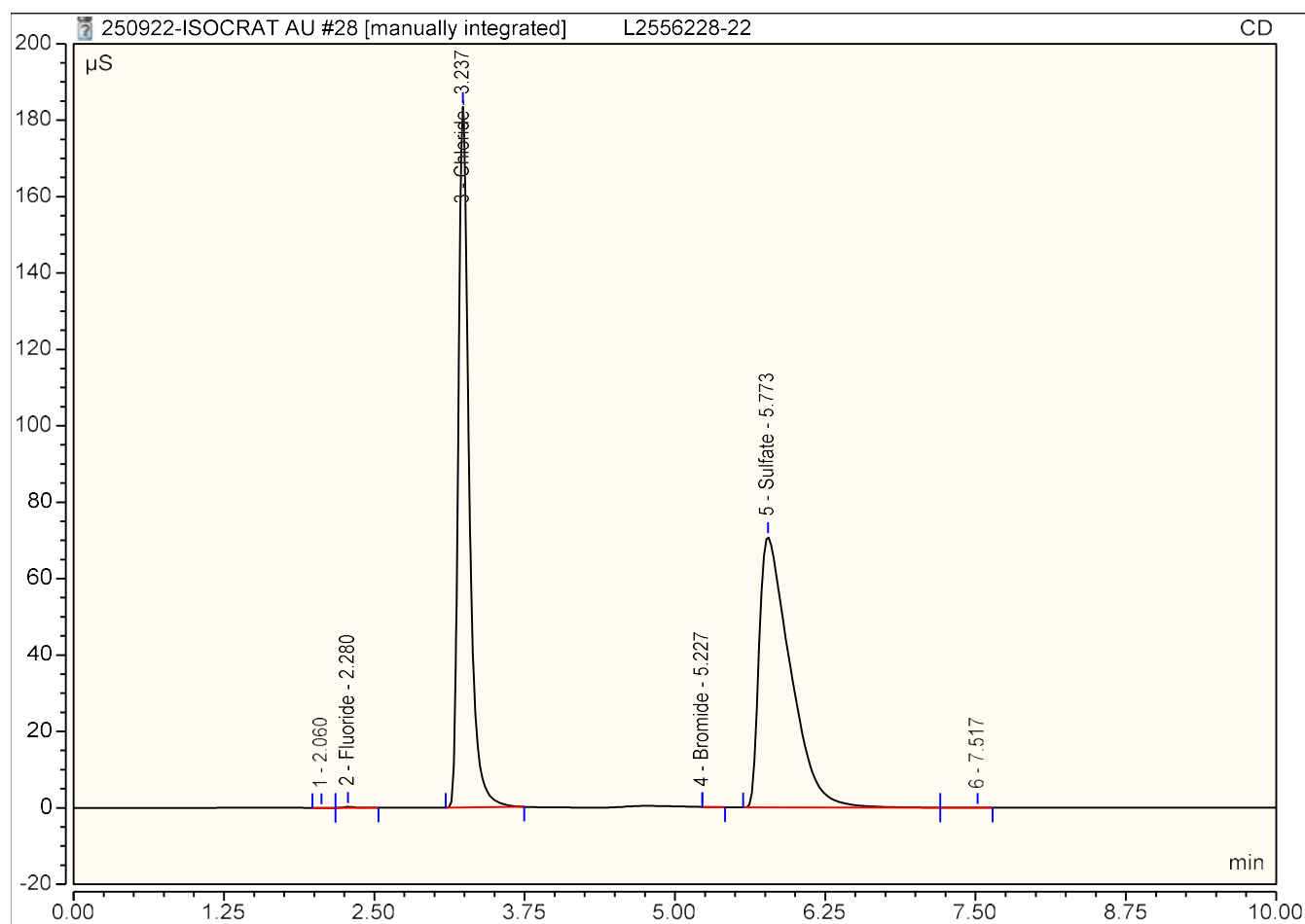
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.088	0.847	0.1832
3	3.26	Chloride	BMB	37.675	355.391	87.0037
4	5.32	Bromide	BMB*	0.017	0.132	0.1574
5	5.92	Sulfate	BM *	2.105	11.036	7.2325
6	6.31	Nitrate	MB*	0.019	0.156	0.0320
TOTAL:				39.90	367.56	94.61



Peak Integration Report

Sample Name:	L2556228-22	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 19:48	Run Time:	10.00

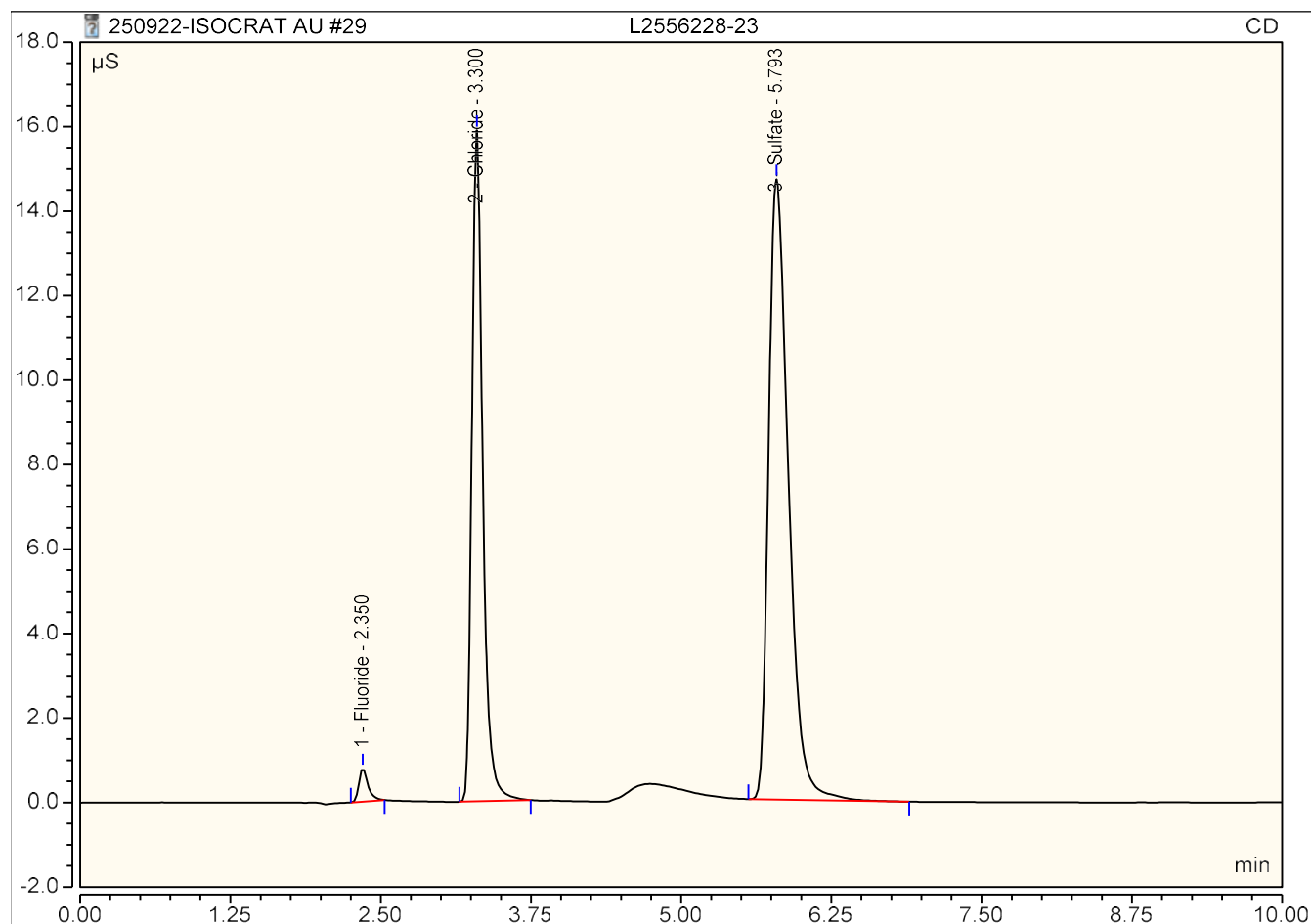
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.028	0.281	0.0802
3	3.24	Chloride	BMB	19.195	183.478	44.3853
4	5.23	Bromide	BMB*	0.001	0.000	0.0484
5	5.77	Sulfate	BMB	21.172	70.851	69.3609
TOTAL:				40.40	254.61	113.87



Peak Integration Report

Sample Name:	L2556228-23	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 20:00	Run Time:	10.00

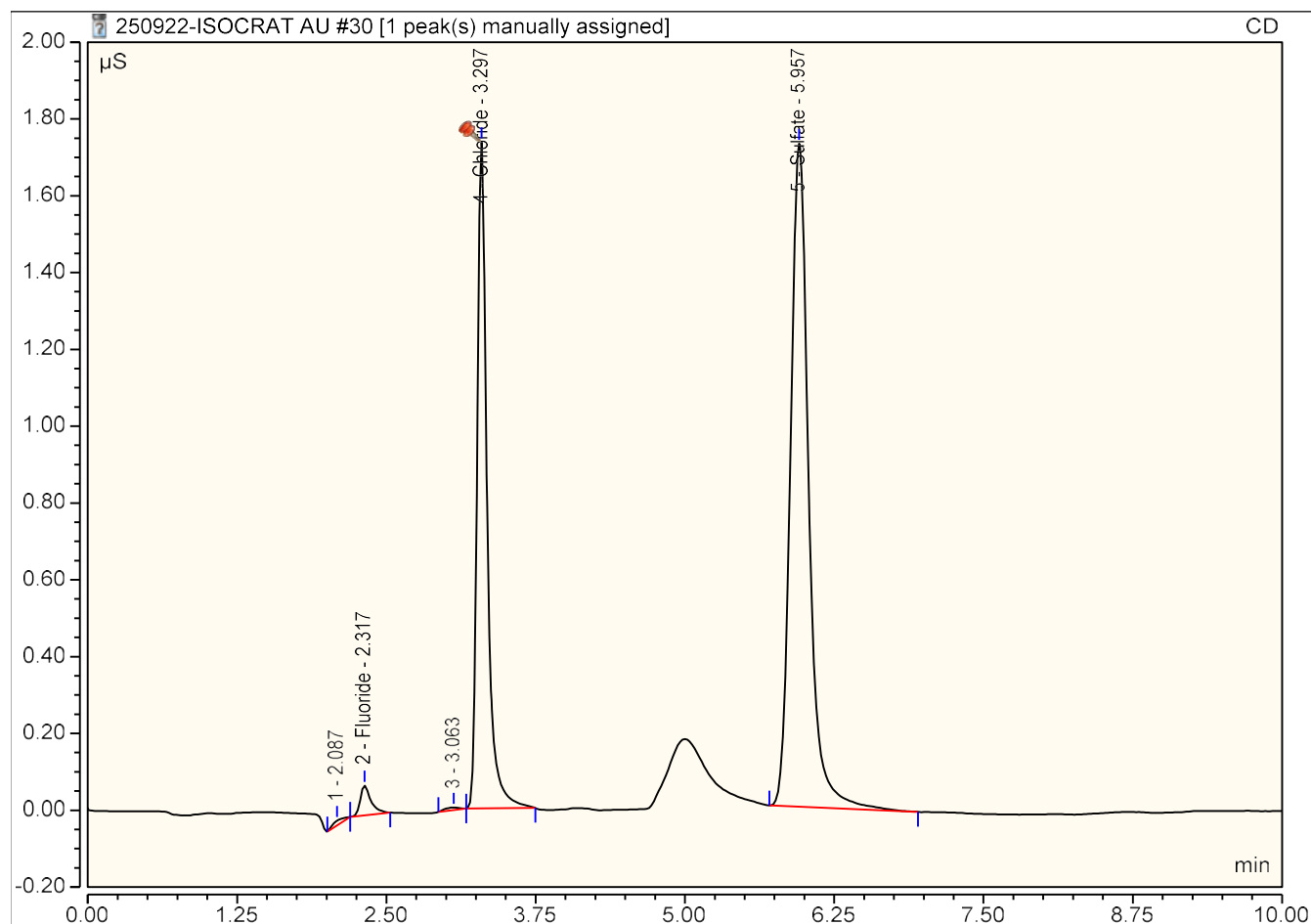
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.35	Fluoride	BMB	0.070	0.786	0.1521
2	3.30	Chloride	BMB	1.676	15.884	3.9864
3	5.79	Sulfate	BMB	2.826	14.682	9.5825
TOTAL:				4.57	31.35	13.72



Peak Integration Report

Sample Name:	XL2556228-23; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 20:12	Run Time:	10.00

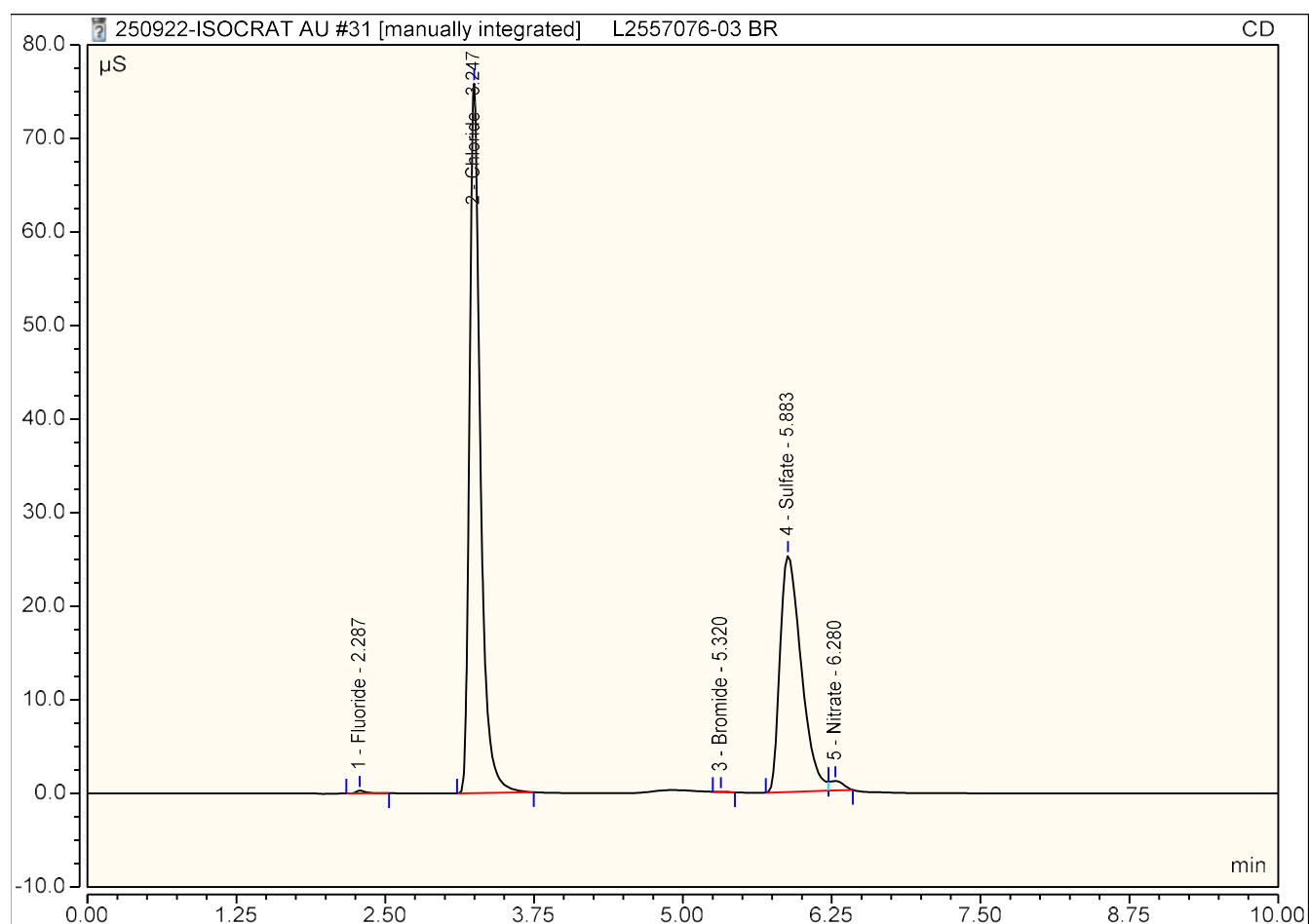
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.008	0.078	0.4592
4	3.30	Chloride	BMB^	0.167	1.735	5.0584
5	5.96	Sulfate	BMB	0.306	1.727	13.7220
TOTAL:				0.48	3.54	19.24



Peak Integration Report

Sample Name:	L2557076-03 BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 20:24	Run Time:	10.00

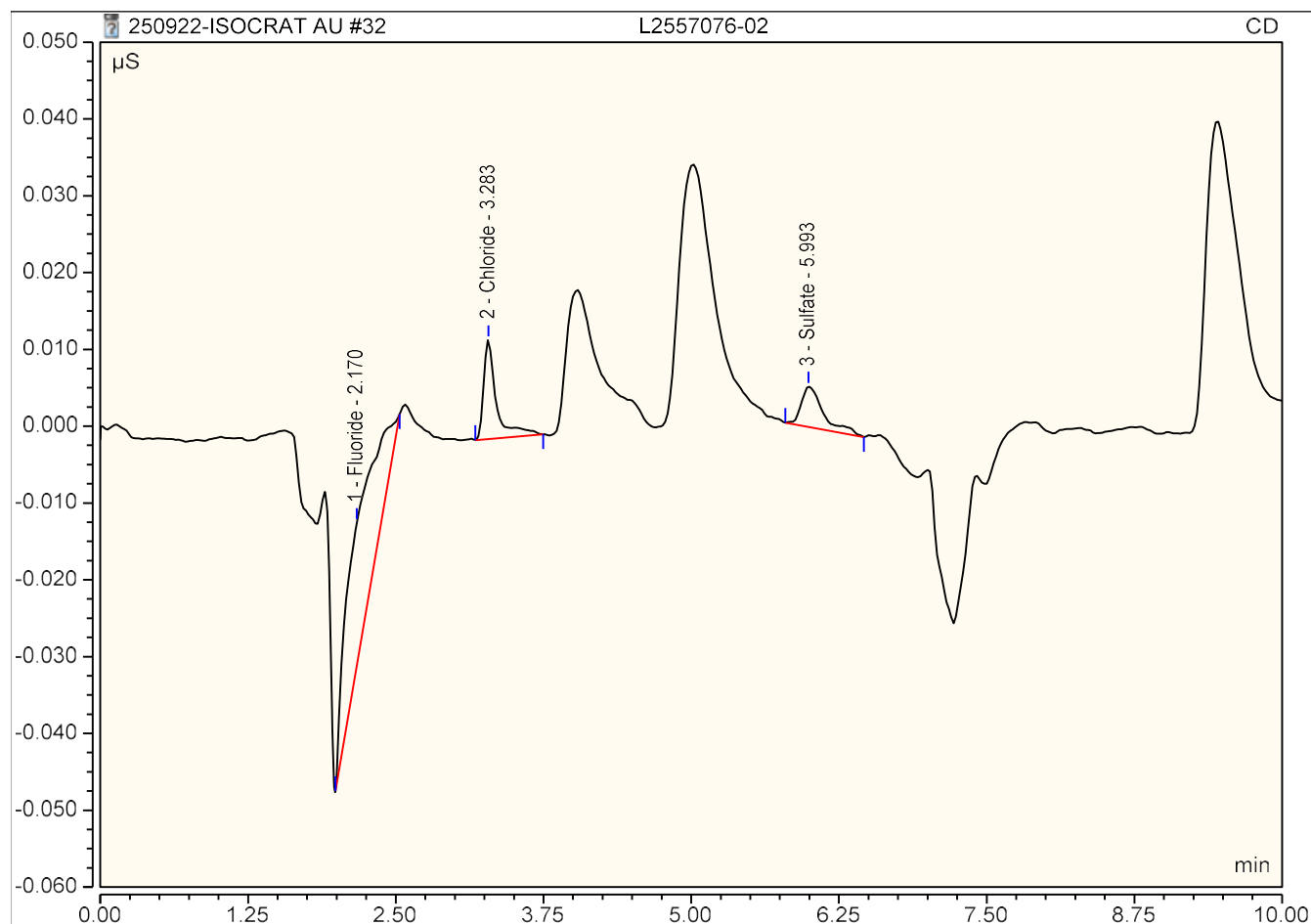
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.29	Fluoride	BMB	0.030	0.316	0.0844
2	3.25	Chloride	BMB	8.102	75.815	18.8045
3	5.32	Bromide	BMB*	0.003	0.026	0.0605
4	5.88	Sulfate	BM *	5.214	25.241	17.3628
5	6.28	Nitrate	MB*	0.136	1.012	0.1323
TOTAL:				13.48	102.41	36.44



Peak Integration Report

Sample Name:	L2557076-02	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 20:36	Run Time:	10.00

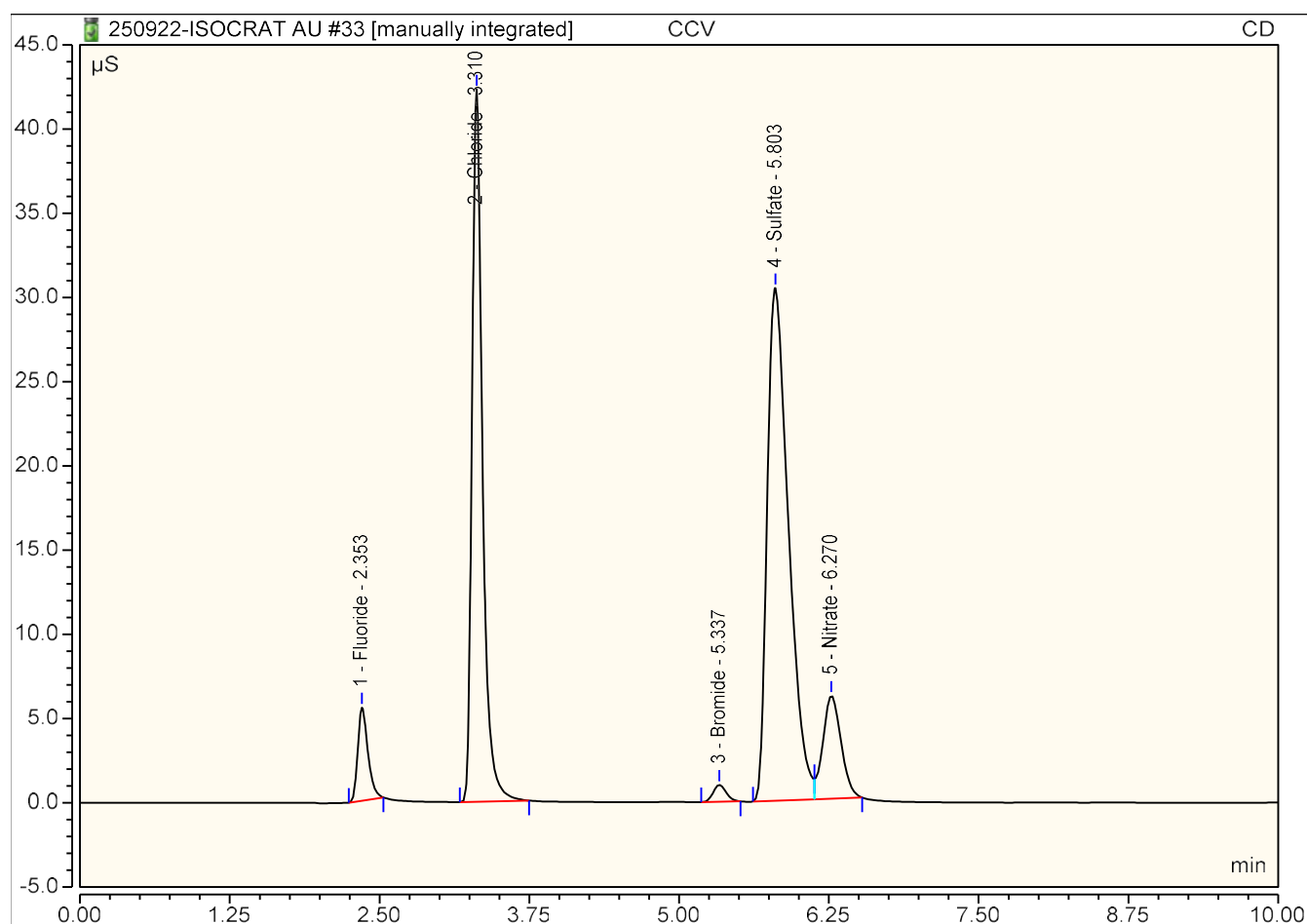
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.17	Fluoride	BMB	0.007	0.019	0.0433
2	3.28	Chloride	BMB	0.002	0.013	0.1239
3	5.99	Sulfate	BMB	0.001	0.005	0.3783
TOTAL:				0.01	0.04	0.55



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 20:49	Run Time:	10.00

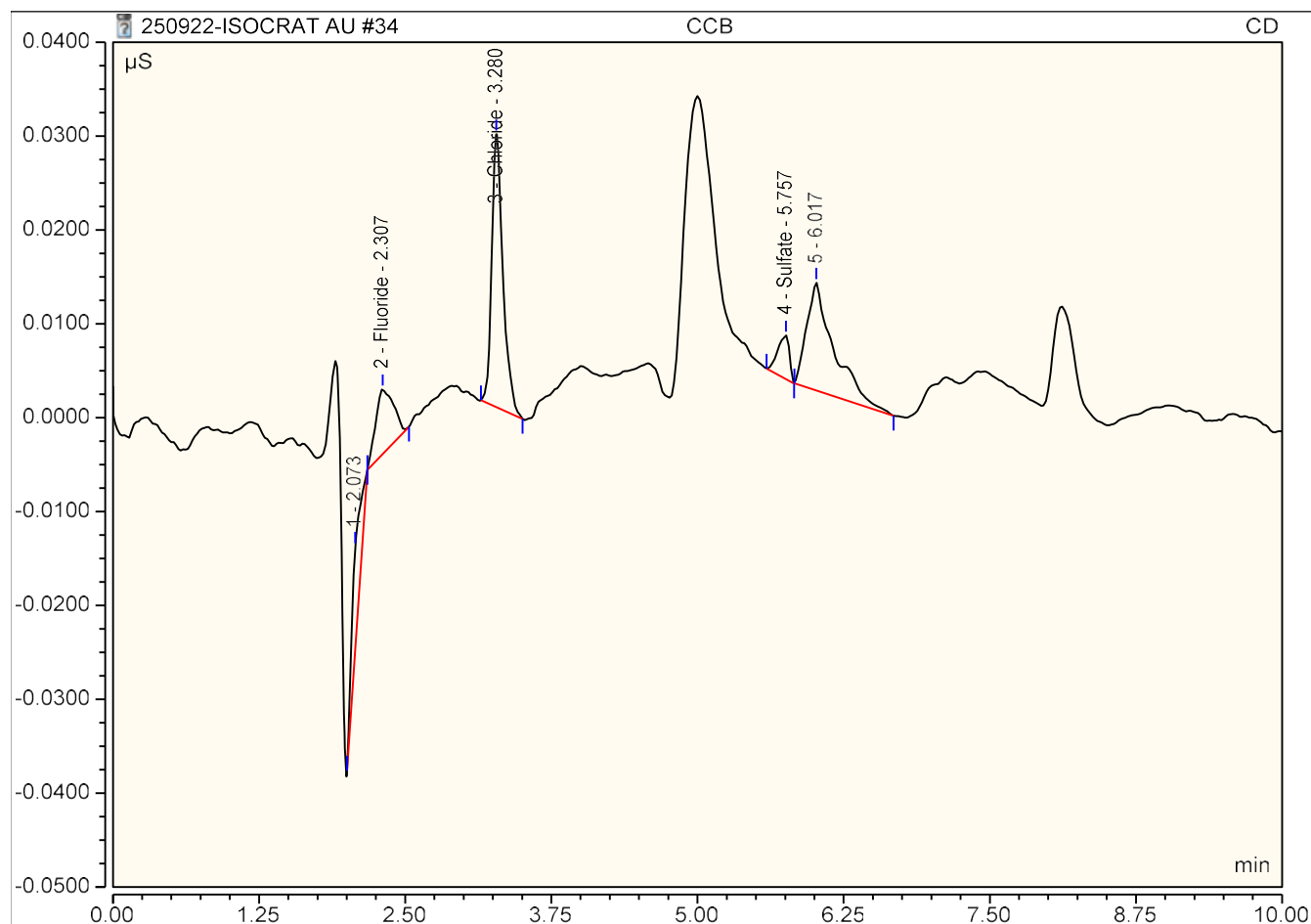
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.35	Fluoride	BMB	0.544	5.536	0.9700
2	3.31	Chloride	BMB	4.298	42.278	10.0331
3	5.34	Bromide	BMB*	0.128	1.009	0.9402
4	5.80	Sulfate	BM *	6.281	30.426	20.8398
5	6.27	Nitrate	MB*	1.074	6.112	0.9396
TOTAL:				12.33	85.36	33.72



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 21:01	Run Time:	10.00

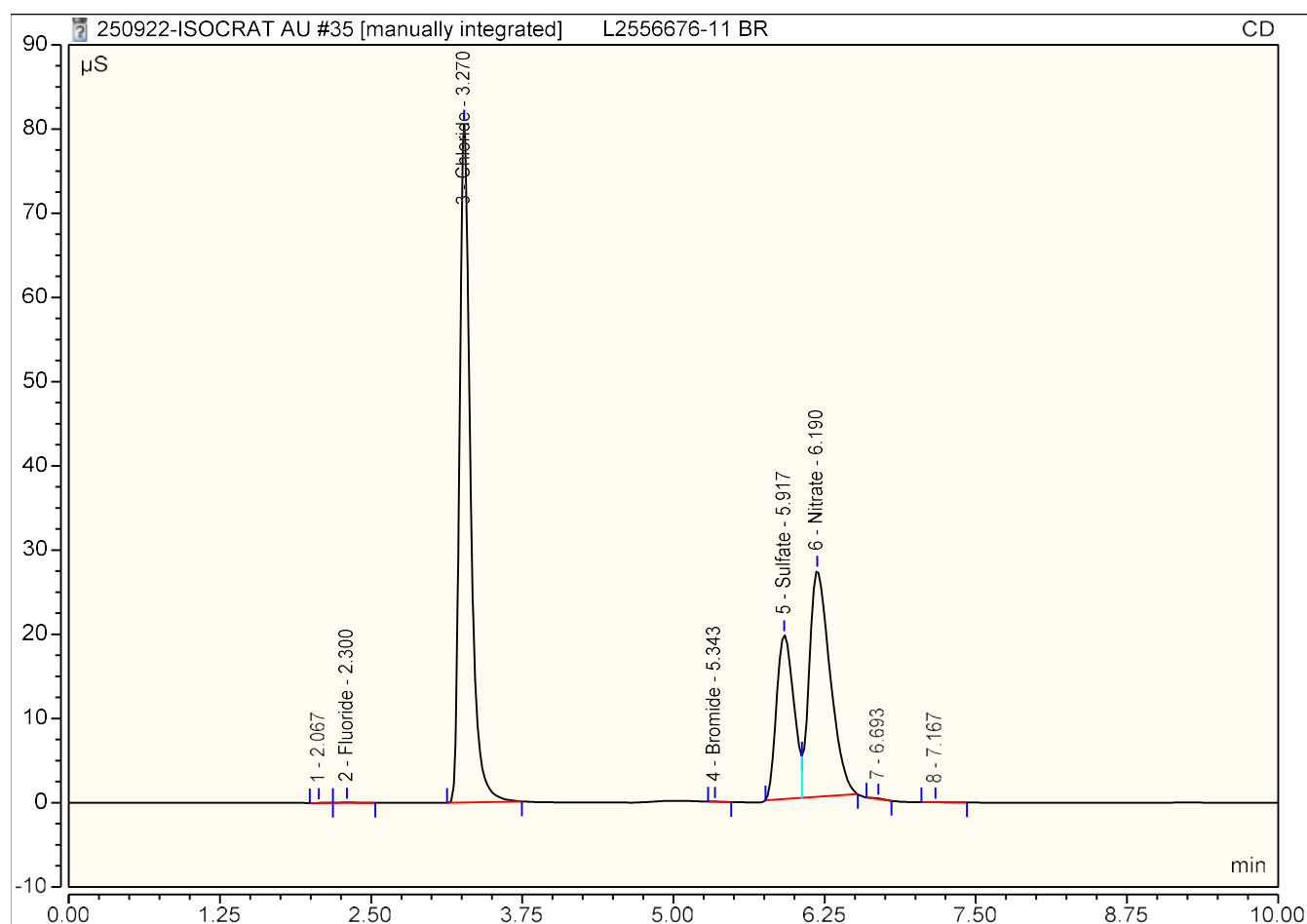
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.001	0.007	0.0342
3	3.28	Chloride	BMB	0.003	0.029	0.1277
4	5.76	Sulfate	BMB	0.001	0.005	0.3763
TOTAL:				0.00	0.04	0.54



Peak Integration Report

Sample Name:	L2556676-11 BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 21:13	Run Time:	10.00

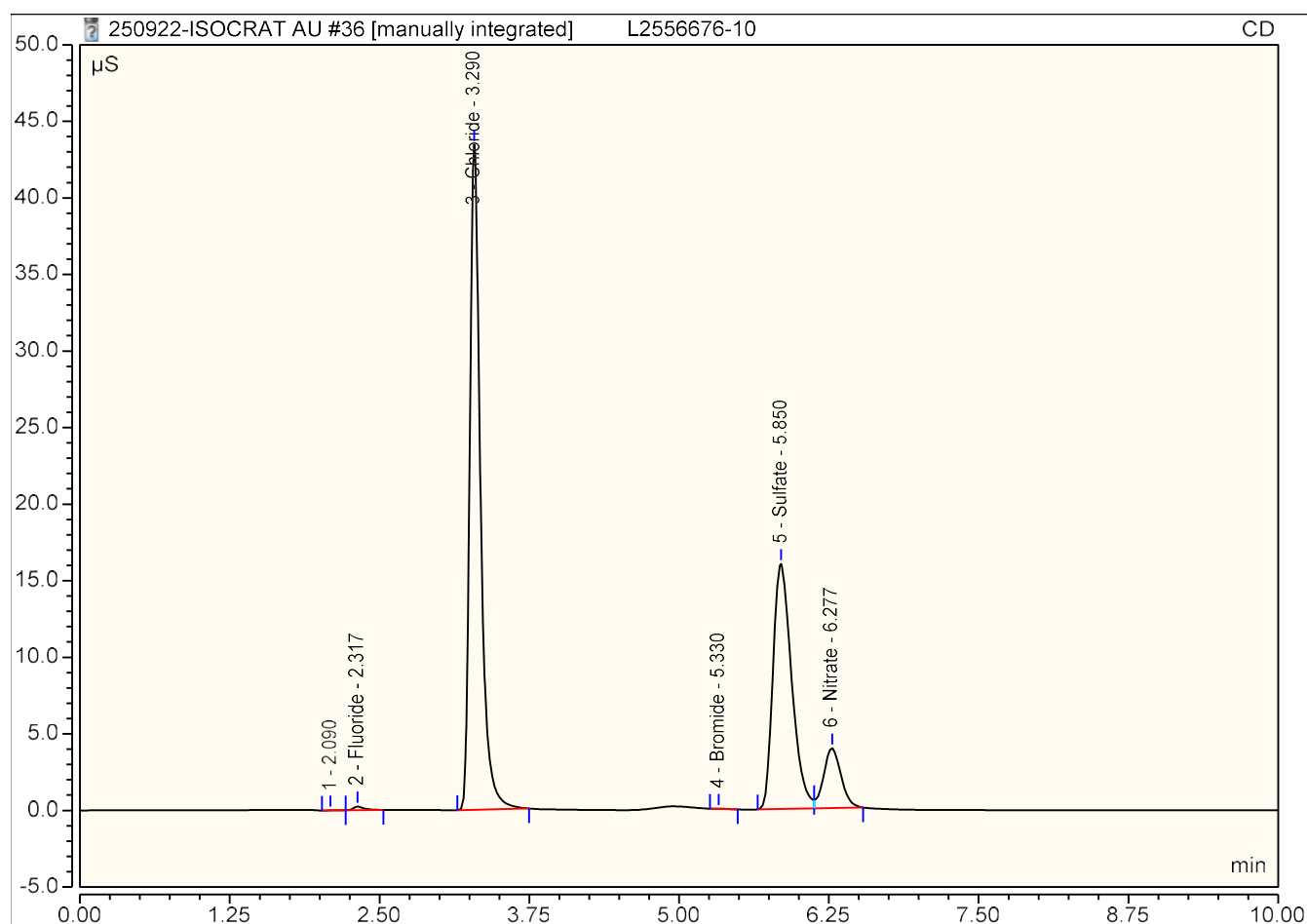
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.006	0.049	0.0419
3	3.27	Chloride	BMB	8.434	80.503	19.5693
4	5.34	Bromide	BMB*	0.002	0.016	0.0533
5	5.92	Sulfate	BM *	3.222	19.481	10.8722
6	6.19	Nitrate	MB*	5.385	26.892	4.6491
TOTAL:				17.05	126.94	35.19



Peak Integration Report

Sample Name:	L2556676-10	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 21:25	Run Time:	10.00

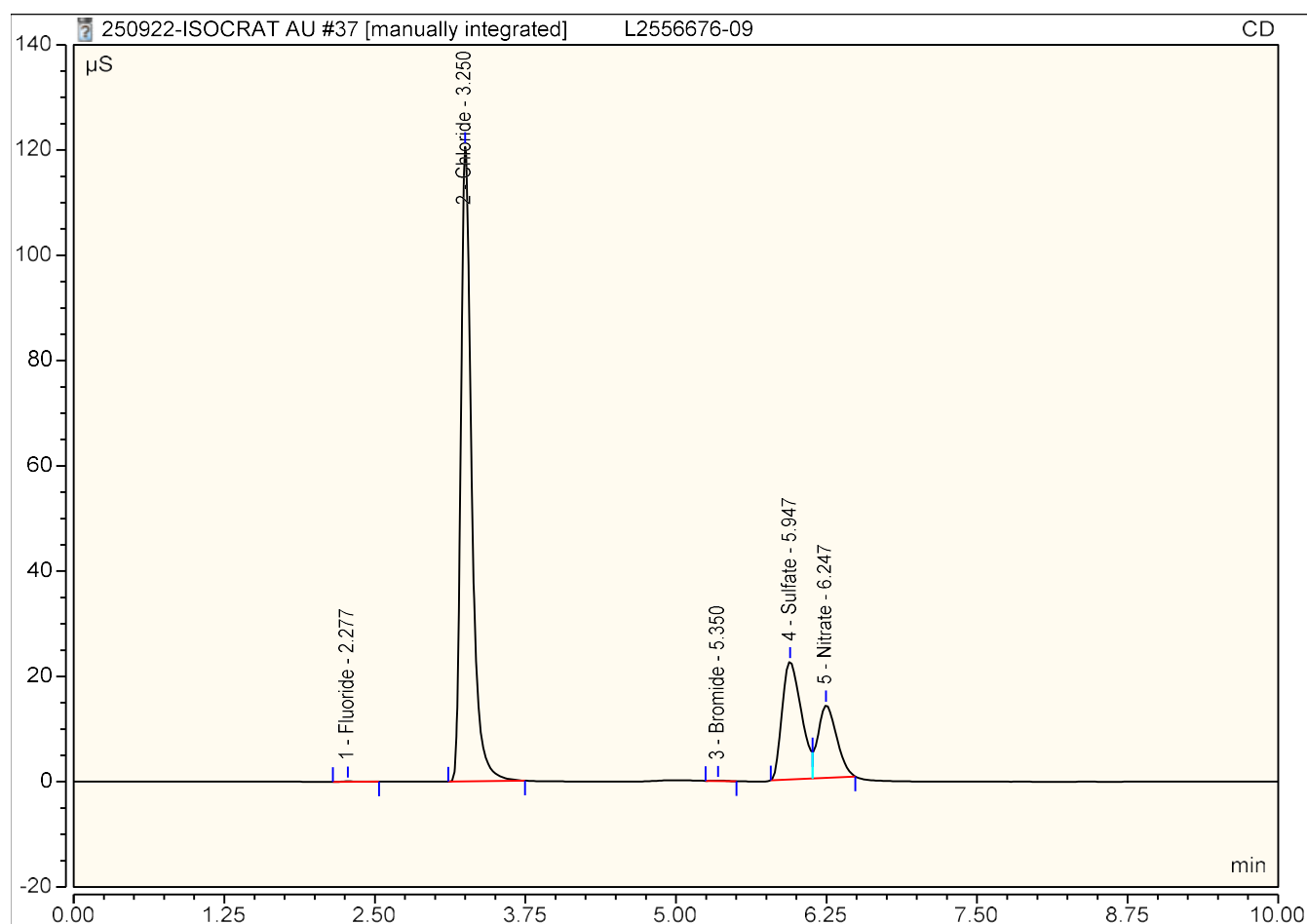
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.024	0.245	0.0735
3	3.29	Chloride	BMB	4.518	43.441	10.5387
4	5.33	Bromide	BMB*	0.002	0.016	0.0542
5	5.85	Sulfate	BM *	2.886	16.015	9.7781
6	6.28	Nitrate	MB*	0.659	3.917	0.5829
TOTAL:				8.09	63.63	21.03



Peak Integration Report

Sample Name:	L2556676-09	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 21:37	Run Time:	10.00

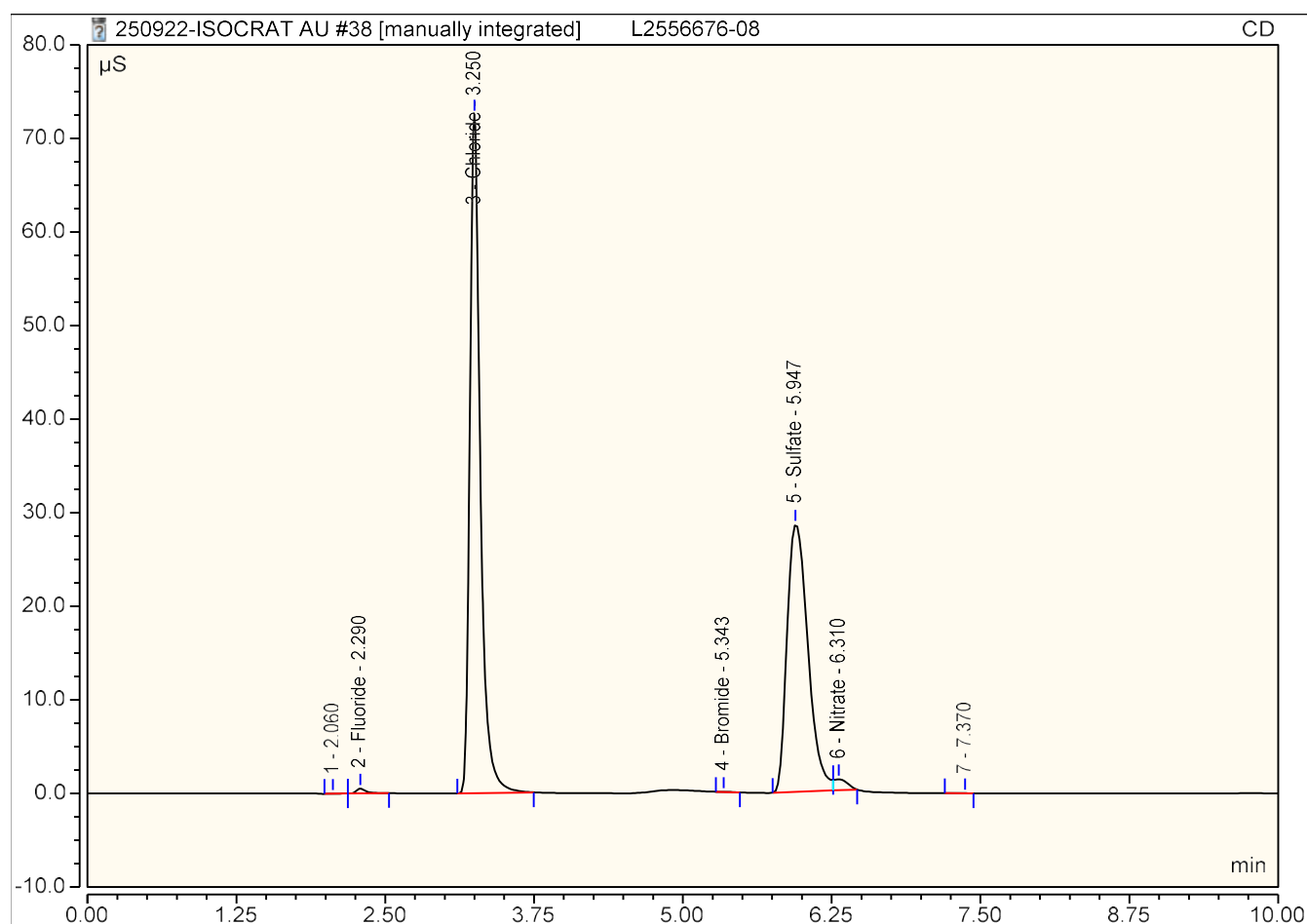
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.28	Fluoride	BMB	0.009	0.081	0.0473
2	3.25	Chloride	BMB	12.569	120.548	29.1052
3	5.35	Bromide	BMB*	0.011	0.092	0.1166
4	5.95	Sulfate	BM *	4.147	22.347	13.8853
5	6.25	Nitrate	MB*	2.483	13.786	2.1523
TOTAL:				19.22	156.85	45.31



Peak Integration Report

Sample Name:	L2556676-08	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 21:49	Run Time:	10.00

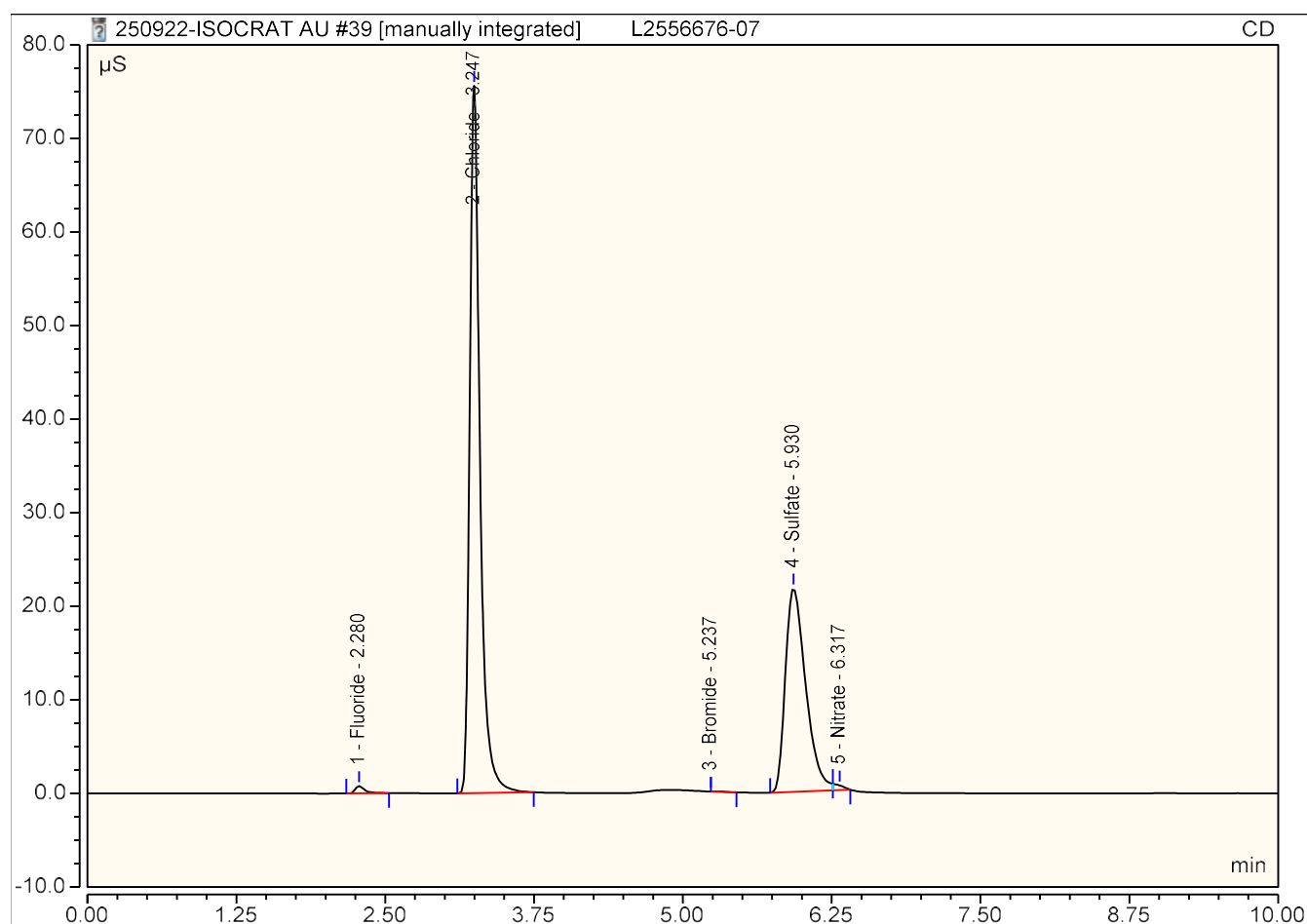
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.048	0.522	0.1155
3	3.25	Chloride	BMB	7.467	72.524	17.3401
4	5.34	Bromide	BMB*	0.003	0.025	0.0613
5	5.95	Sulfate	BM *	5.812	28.571	19.3118
6	6.31	Nitrate	MB*	0.152	1.177	0.1462
TOTAL:				13.48	102.82	36.97



Peak Integration Report

Sample Name:	L2556676-07	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 22:01	Run Time:	10.00

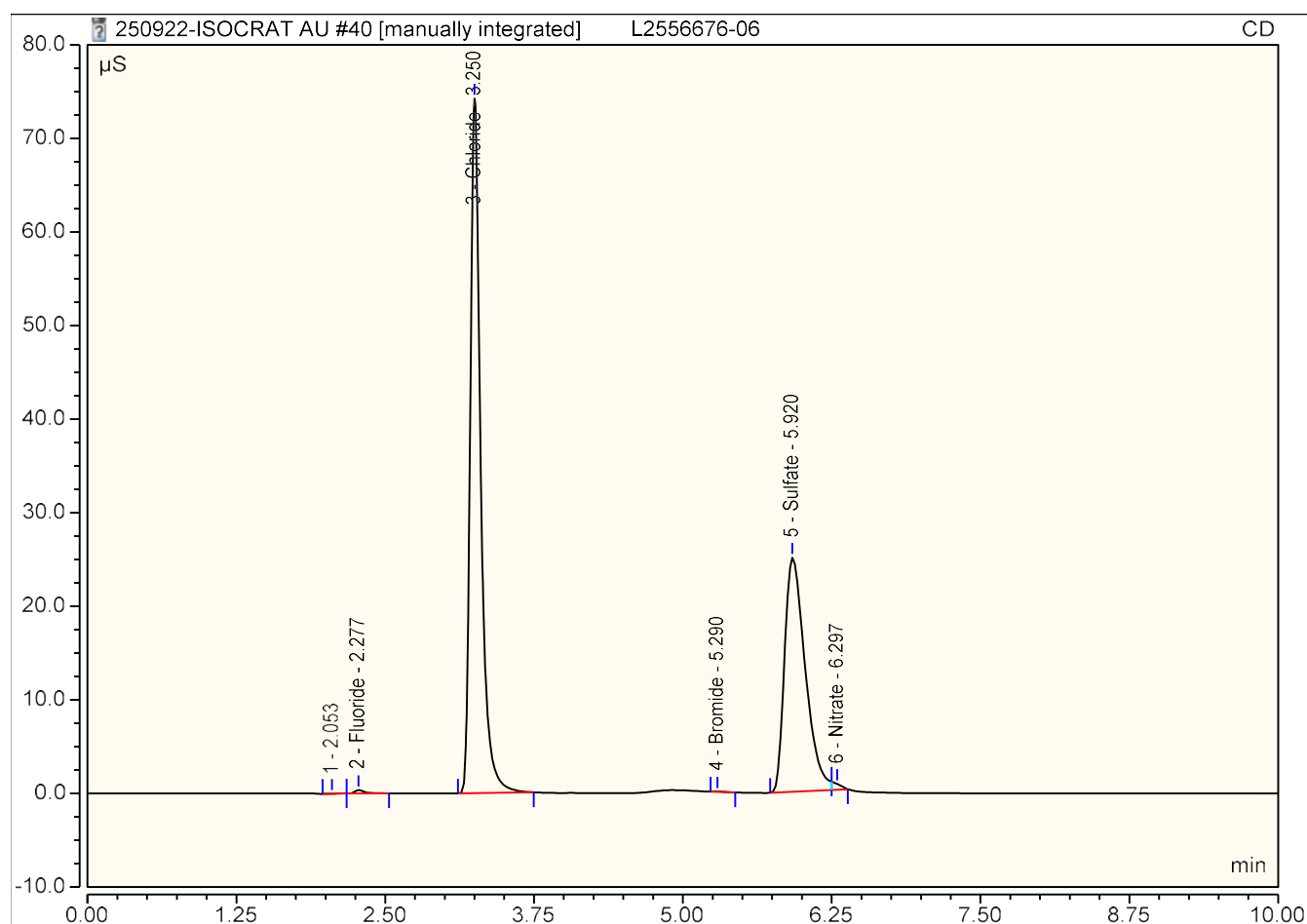
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.28	Fluoride	BMB	0.072	0.788	0.1568
2	3.25	Chloride	BMB	7.610	75.586	17.6700
3	5.24	Bromide	BMB*	0.003	0.000	0.0635
4	5.93	Sulfate	BM *	4.305	21.755	14.4016
5	6.32	Nitrate	MB*	0.058	0.510	0.0652
TOTAL:				12.05	98.64	32.36



Peak Integration Report

Sample Name:	L2556676-06	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 22:13	Run Time:	10.00

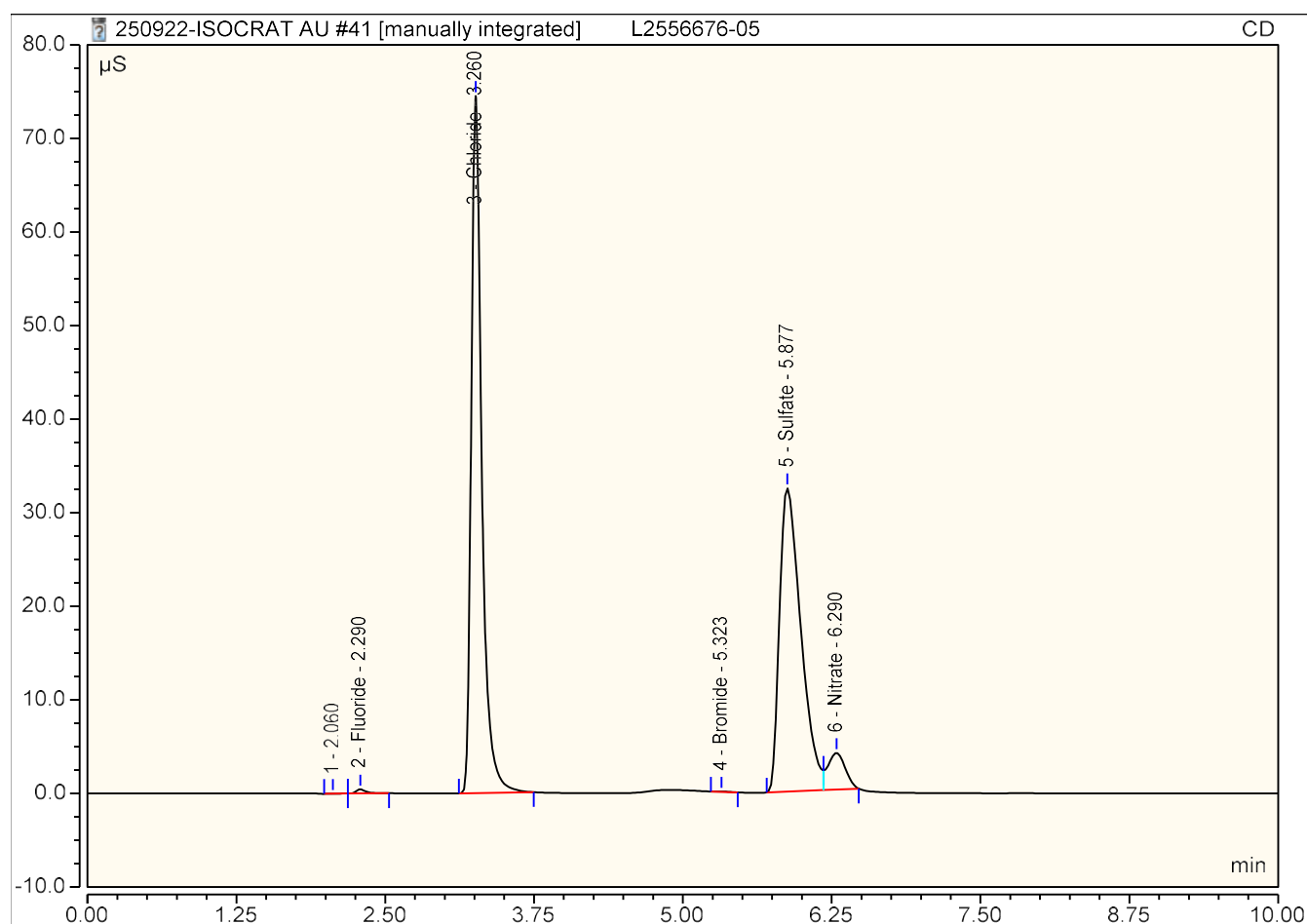
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.034	0.359	0.0910
3	3.25	Chloride	BMB	7.599	74.223	17.6444
4	5.29	Bromide	BMB*	0.003	0.024	0.0626
5	5.92	Sulfate	BM *	5.030	25.017	16.7627
6	6.30	Nitrate	MB*	0.063	0.624	0.0695
TOTAL:				12.73	100.25	34.63



Peak Integration Report

Sample Name:	L2556676-05	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 22:25	Run Time:	10.00

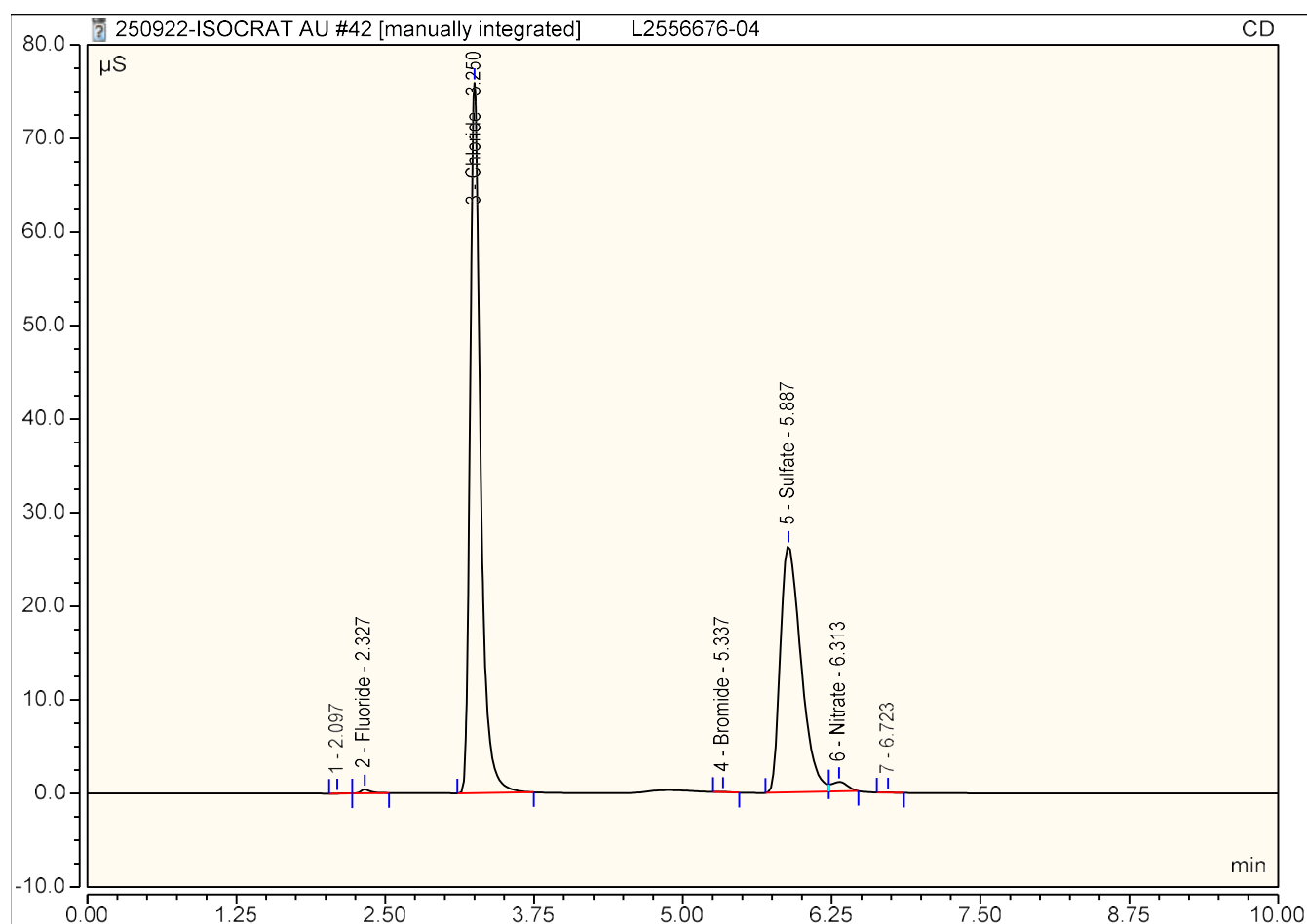
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.041	0.443	0.1035
3	3.26	Chloride	BMB	7.681	74.504	17.8342
4	5.32	Bromide	BMB*	0.005	0.043	0.0757
5	5.88	Sulfate	BM *	6.729	32.431	22.3008
6	6.29	Nitrate	MB*	0.668	3.927	0.5903
TOTAL:				15.13	111.35	40.90



Peak Integration Report

Sample Name:	L2556676-04	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 22:37	Run Time:	10.00

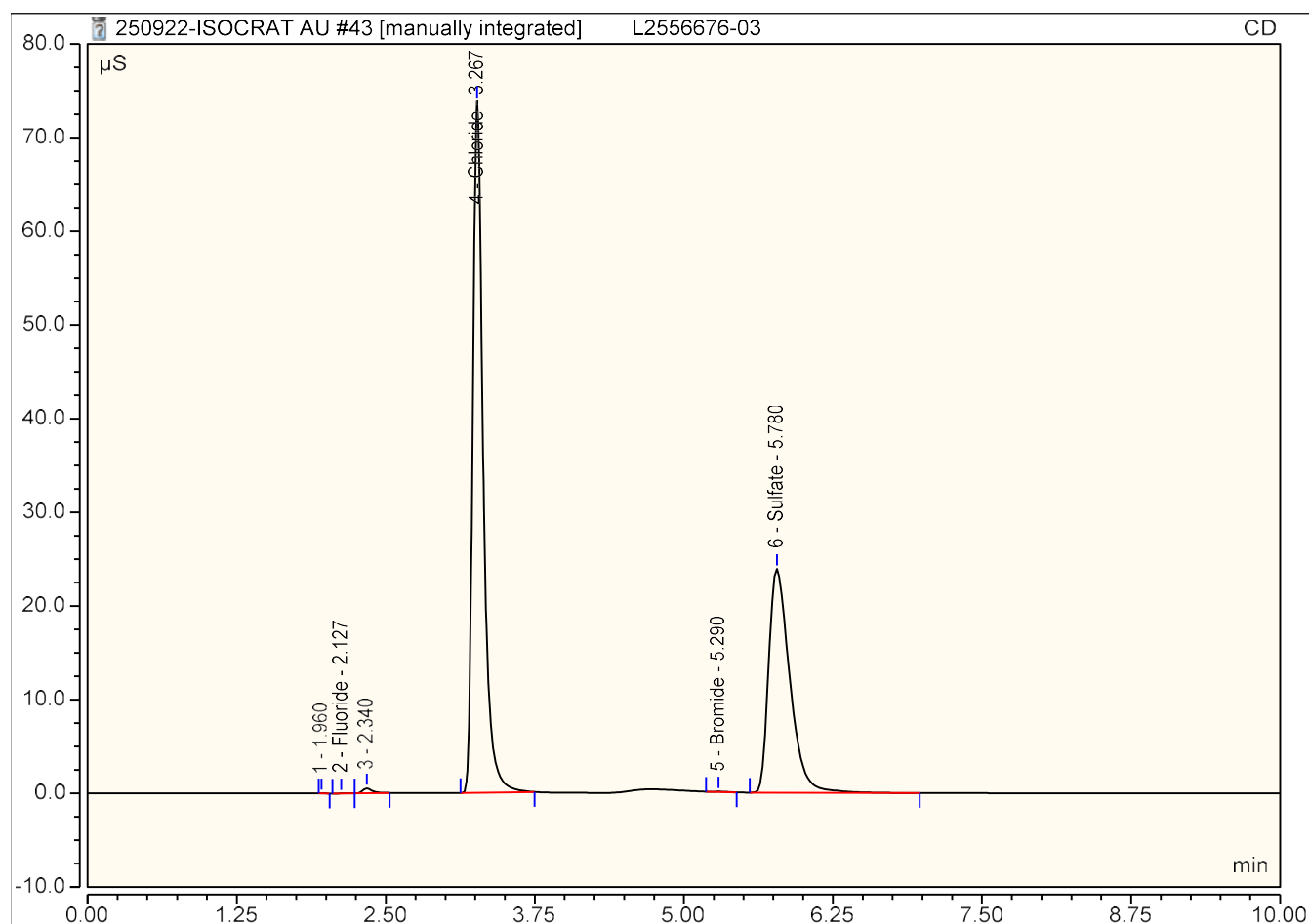
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.039	0.431	0.0993
3	3.25	Chloride	BMB	7.824	75.877	18.1638
4	5.34	Bromide	BMB*	0.004	0.031	0.0654
5	5.89	Sulfate	BM *	5.296	26.336	17.6320
6	6.31	Nitrate	MB*	0.156	0.999	0.1501
TOTAL:				13.32	103.67	36.11



Peak Integration Report

Sample Name:	L2556676-03	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 22:49	Run Time:	10.00

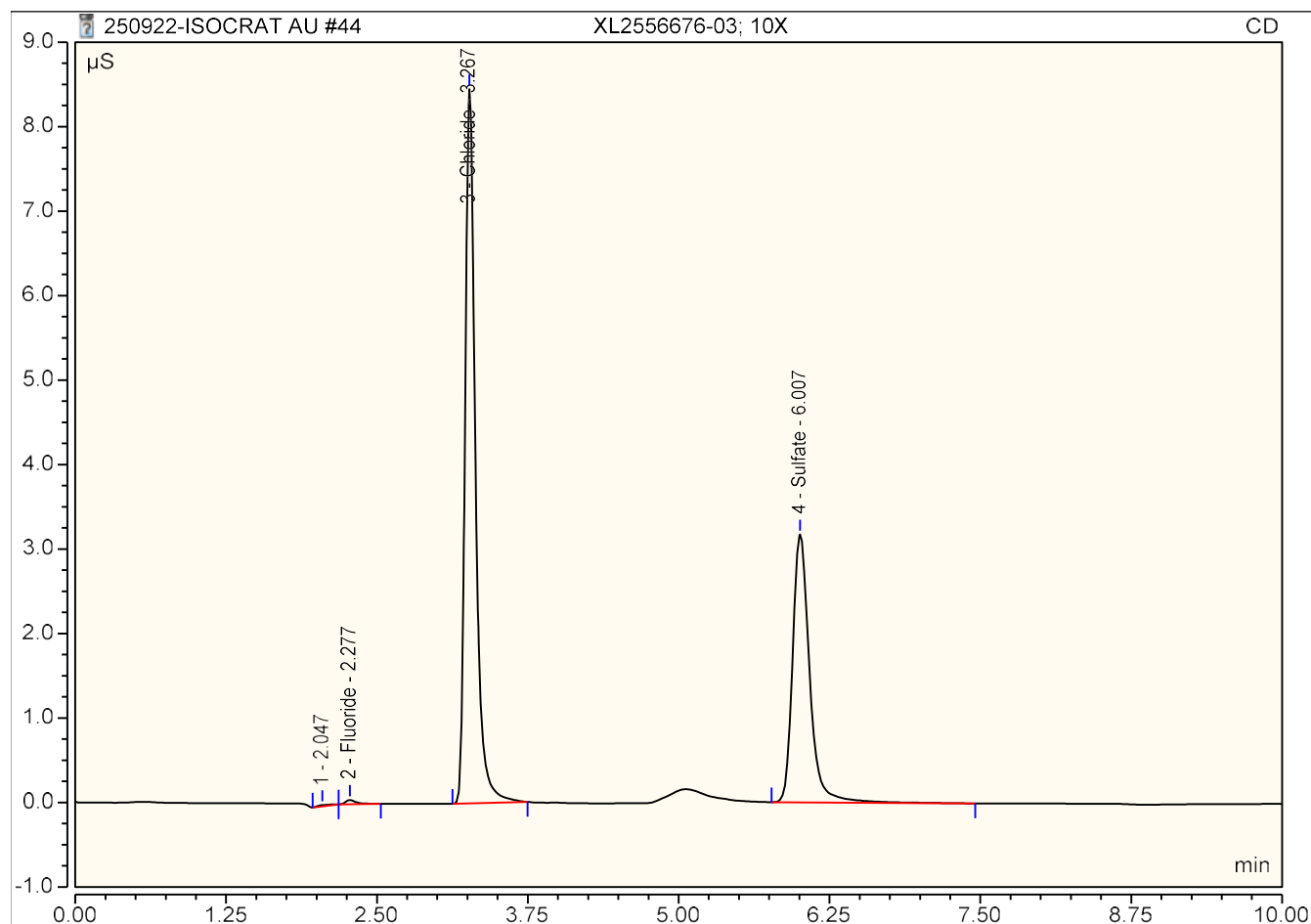
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.13	Fluoride	BMB	0.001	0.008	0.0337
4	3.27	Chloride	BMB	7.535	73.822	17.4967
5	5.29	Bromide	BMB*	0.006	0.046	0.0789
6	5.78	Sulfate	BMB	4.915	23.887	16.3884
TOTAL:				12.46	97.76	34.00



Peak Integration Report

Sample Name:	XL2556676-03; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 23:02	Run Time:	10.00

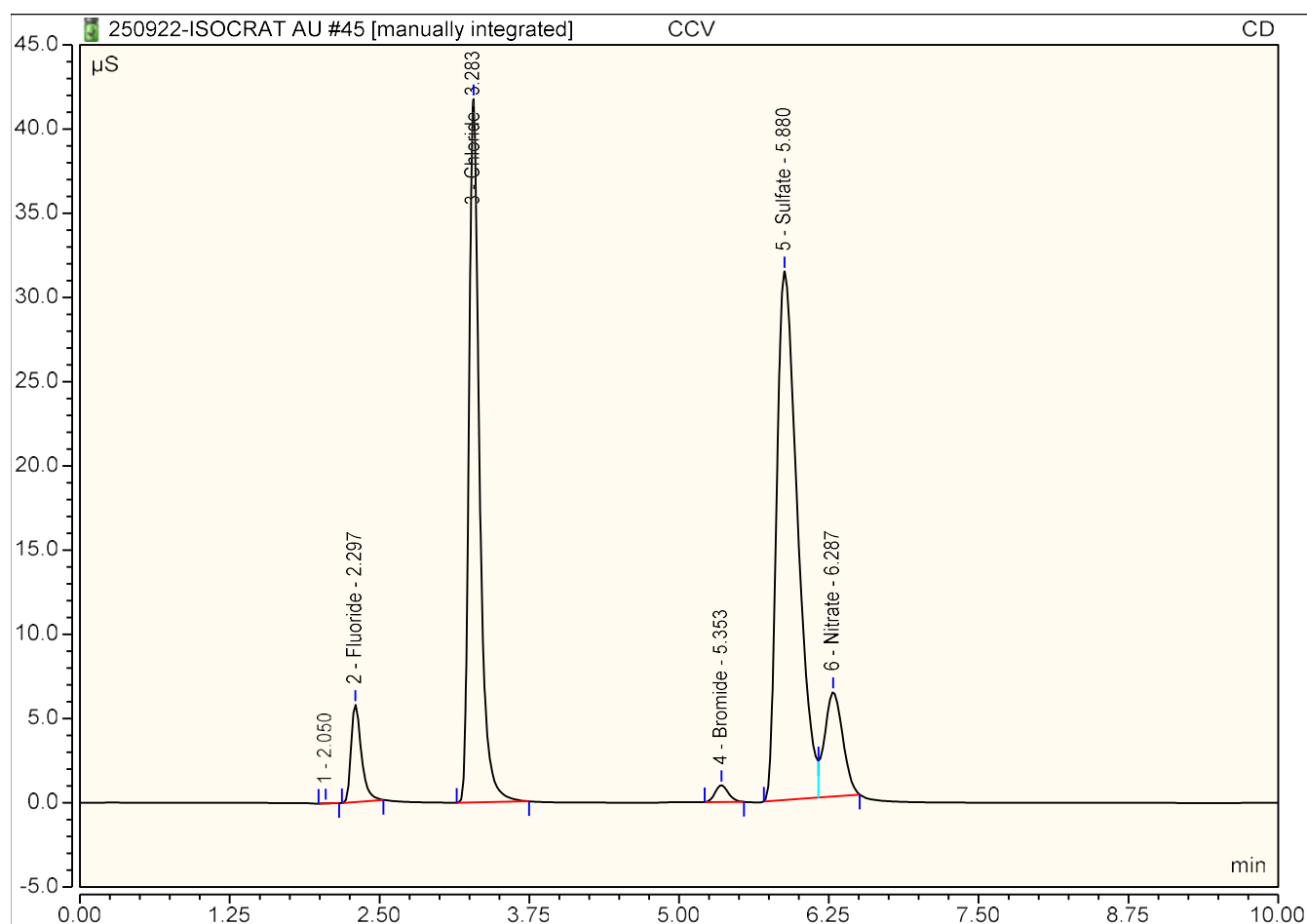
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.005	0.051	0.4087
3	3.27	Chloride	BMB	0.839	8.454	20.5572
4	6.01	Sulfate	BMB	0.518	3.173	20.6360
TOTAL:				1.36	11.68	41.60



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 23:14	Run Time:	10.00

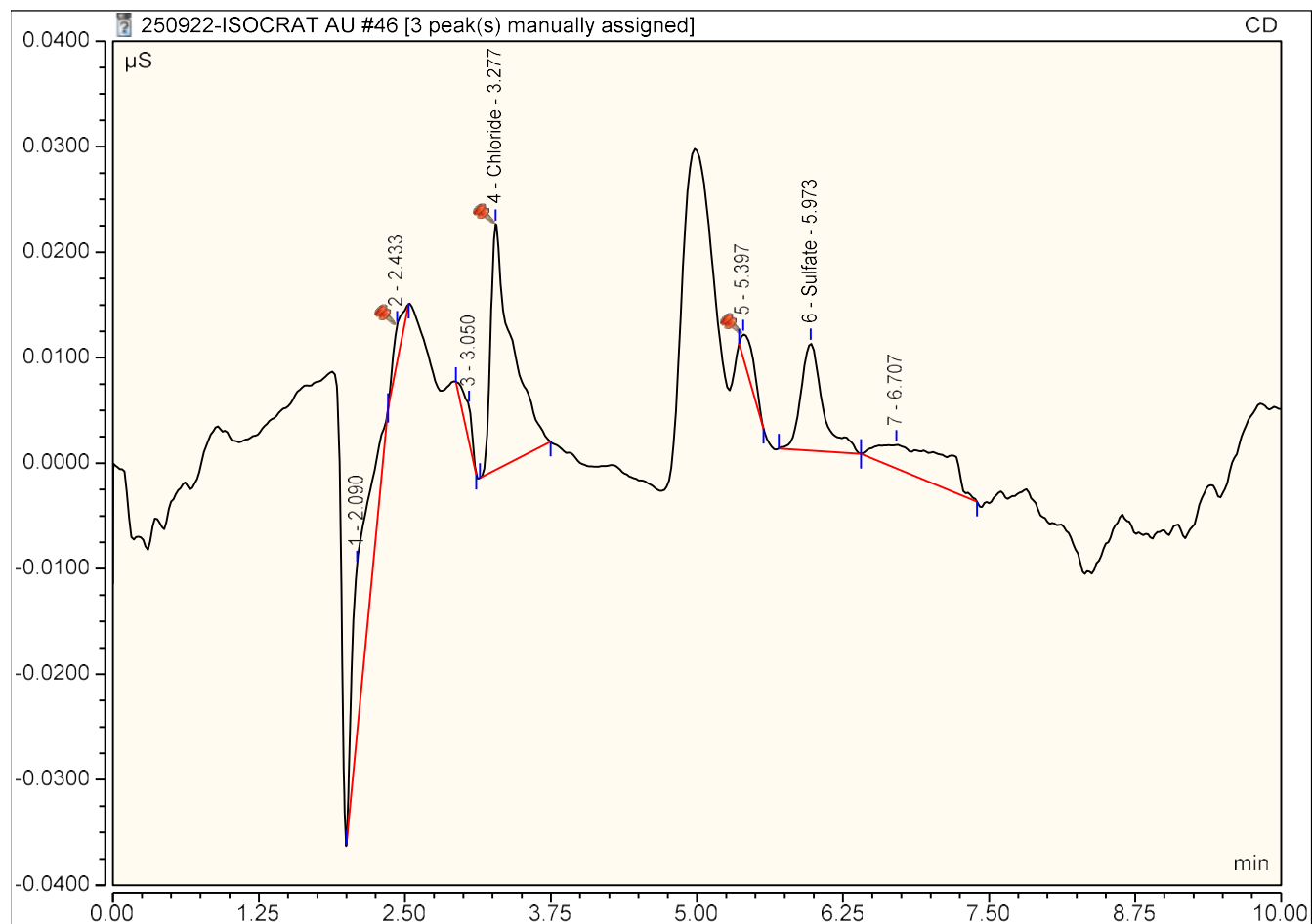
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.573	5.771	1.0202
3	3.28	Chloride	BMB	4.292	41.749	10.0175
4	5.35	Bromide	BMB*	0.128	1.002	0.9414
5	5.88	Sulfate	BM *	6.281	31.373	20.8387
6	6.29	Nitrate	MB*	1.088	6.203	0.9521
TOTAL:				12.36	86.10	33.77



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 23:26	Run Time:	10.00

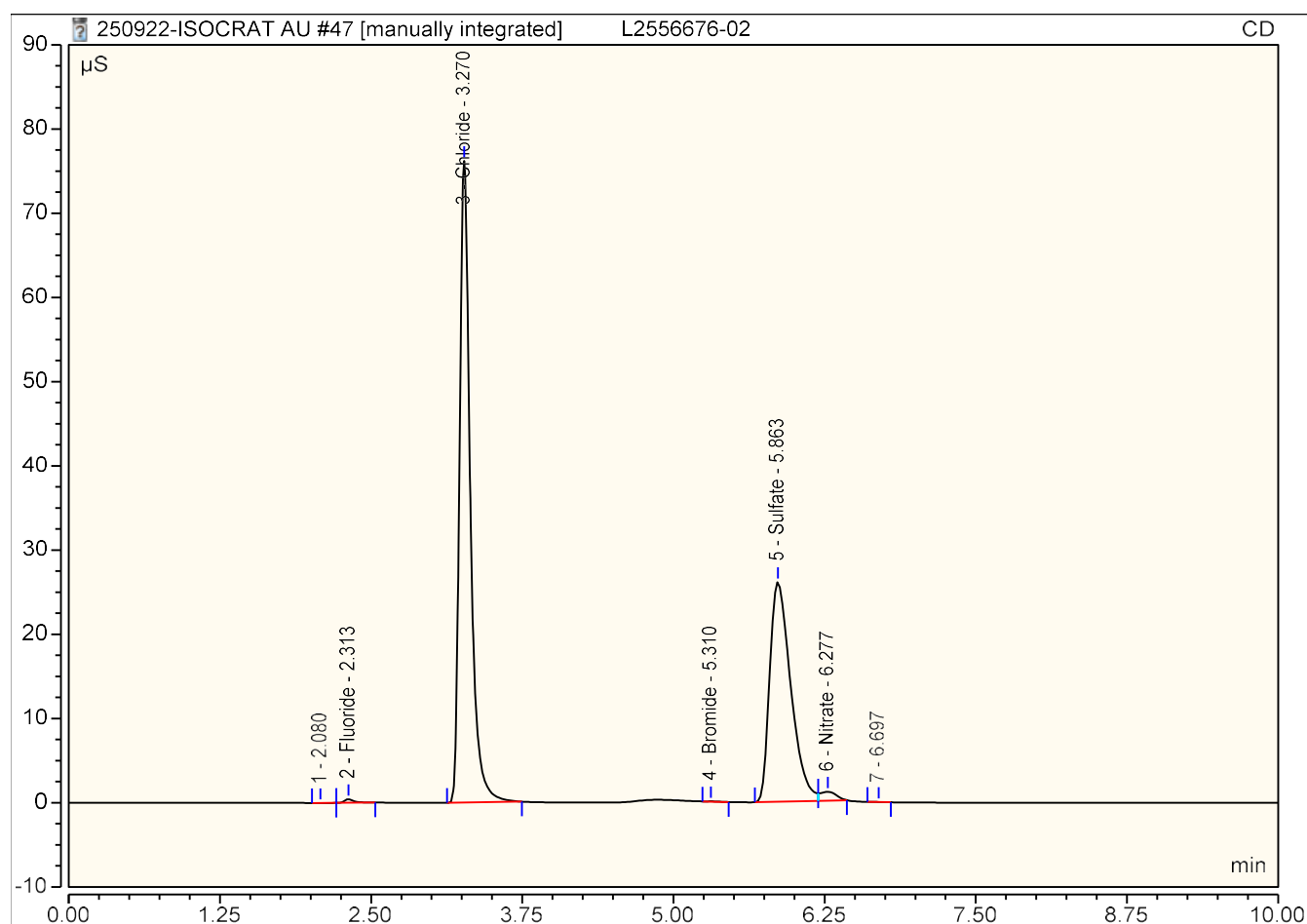
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
4	3.28	Chloride	BMB^	0.005	0.023	0.1316
6	5.97	Sulfate	BMB	0.002	0.010	0.3818
TOTAL:				0.01	0.03	0.51



Peak Integration Report

Sample Name:	L2556676-02	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 23:38	Run Time:	10.00

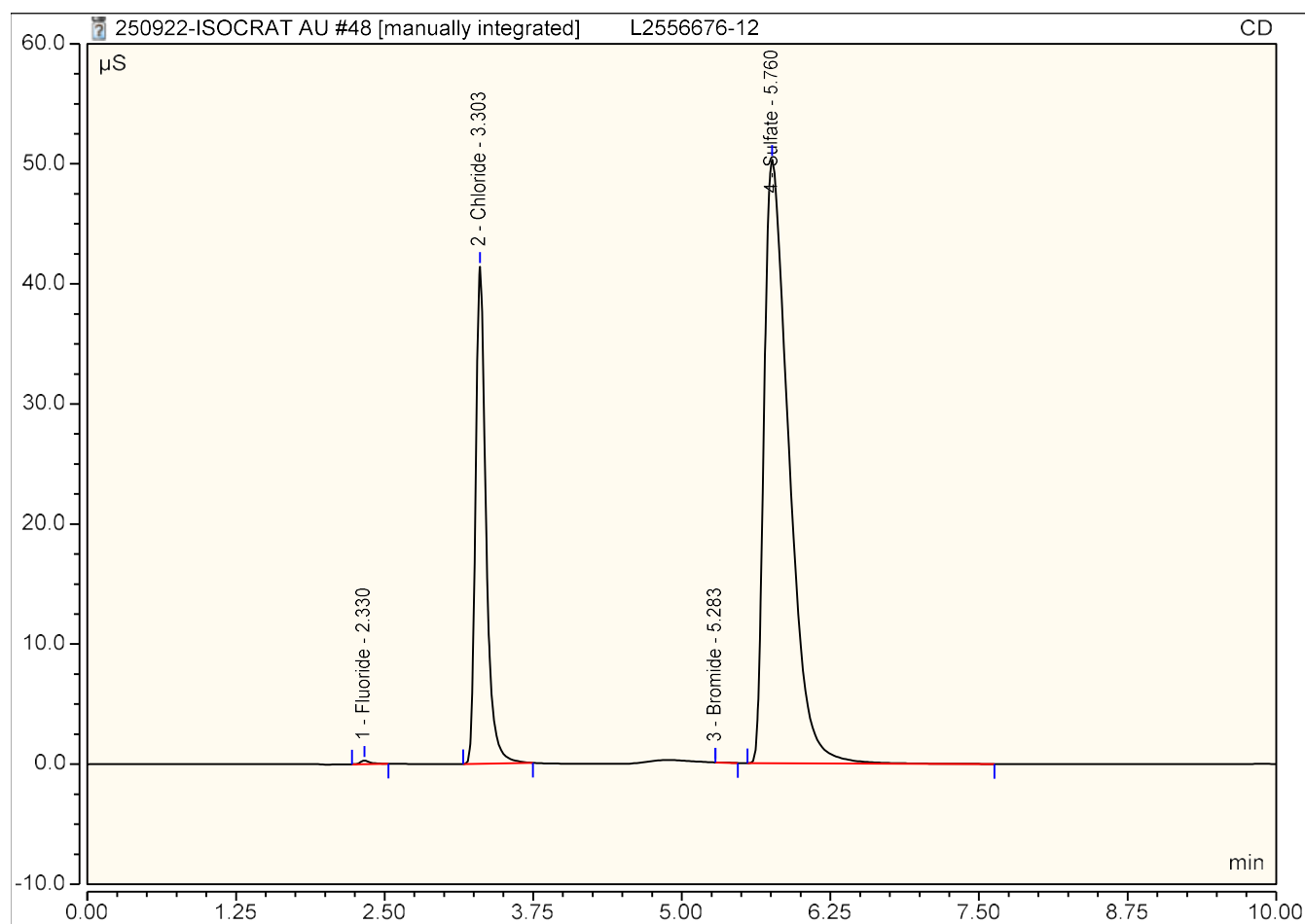
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.040	0.435	0.1002
3	3.27	Chloride	BMB	7.826	76.178	18.1678
4	5.31	Bromide	BMB*	0.004	0.029	0.0645
5	5.86	Sulfate	BM *	5.249	26.068	17.4760
6	6.28	Nitrate	MB*	0.162	1.057	0.1551
TOTAL:				13.28	103.77	35.96



Peak Integration Report

Sample Name:	L2556676-12	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	22-Sep-2025 / 23:50	Run Time:	10.00

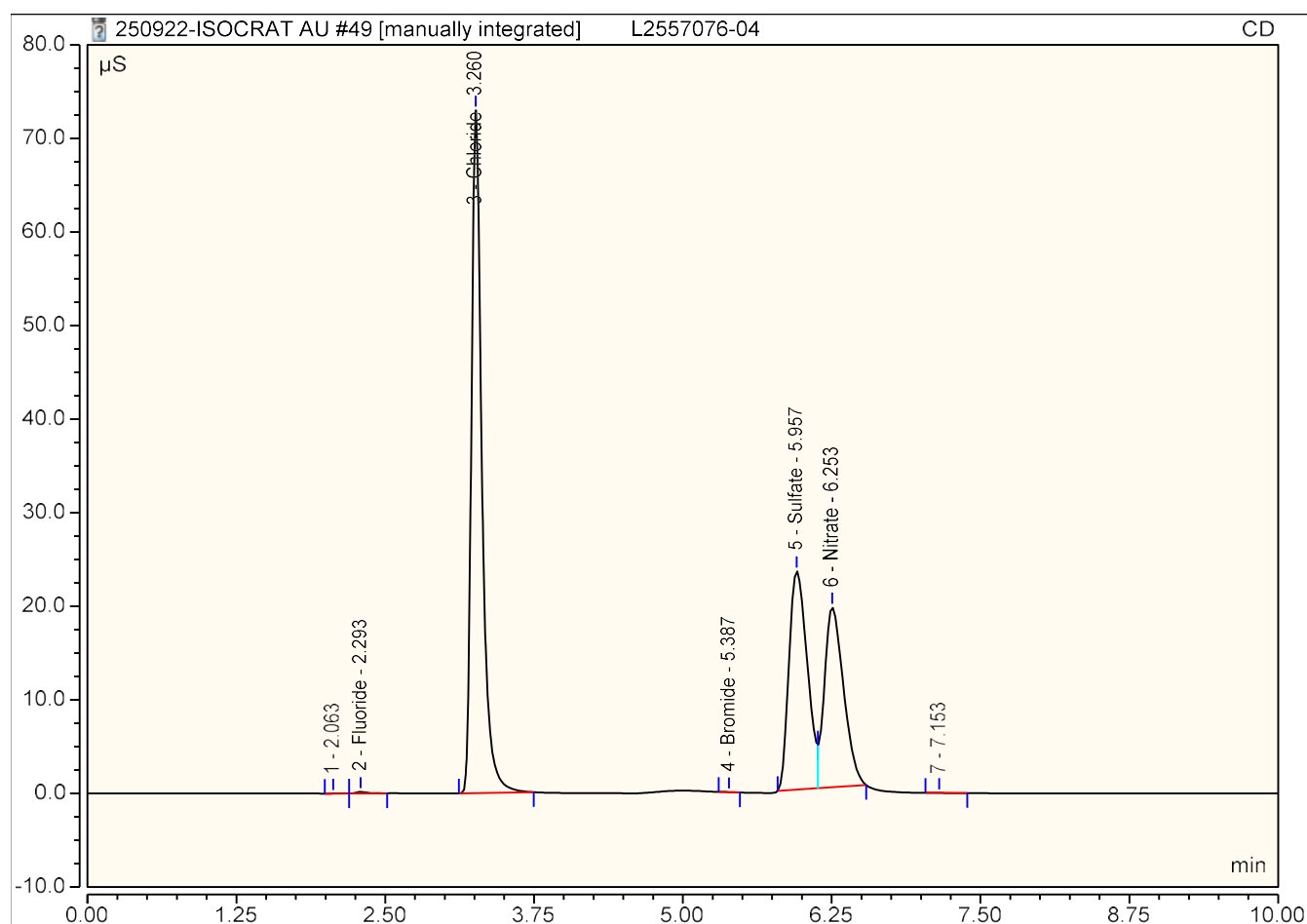
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	0.028	0.292	0.0796
2	3.30	Chloride	BMB	4.246	41.395	9.9126
3	5.28	Bromide	BMB*	0.002	0.000	0.0510
4	5.76	Sulfate	BMB	12.131	50.287	39.9015
TOTAL:				16.41	91.97	49.94



Peak Integration Report

Sample Name:	L2557076-04	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 00:02	Run Time:	10.00

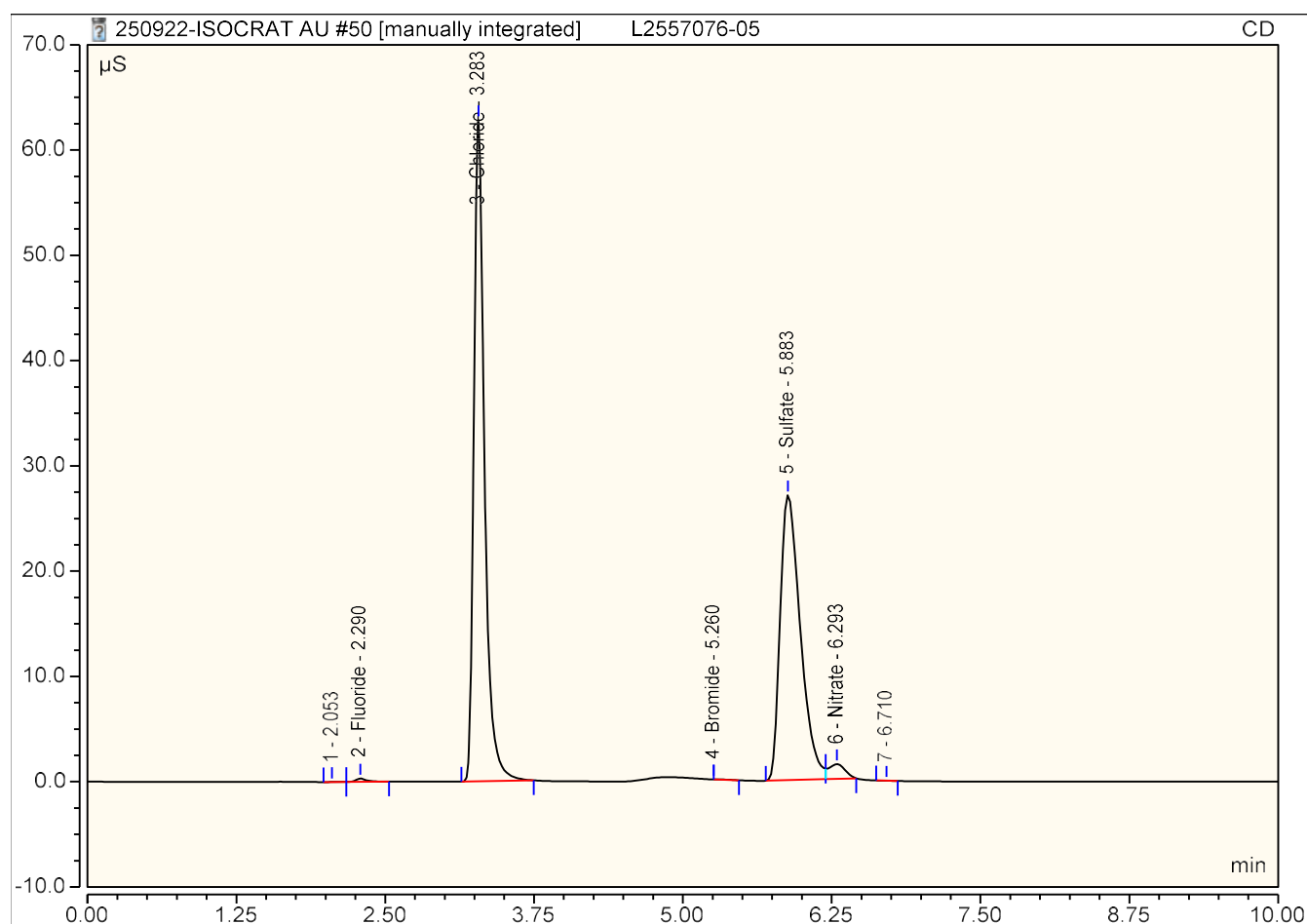
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.016	0.167	0.0601
3	3.26	Chloride	BMB	7.485	72.967	17.3814
4	5.39	Bromide	BMB*	0.002	0.018	0.0512
5	5.96	Sulfate	BM *	4.167	23.349	13.9504
6	6.25	Nitrate	MB*	3.608	19.230	3.1195
TOTAL:				15.28	115.73	34.56



Peak Integration Report

Sample Name:	L2557076-05	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 00:14	Run Time:	10.00

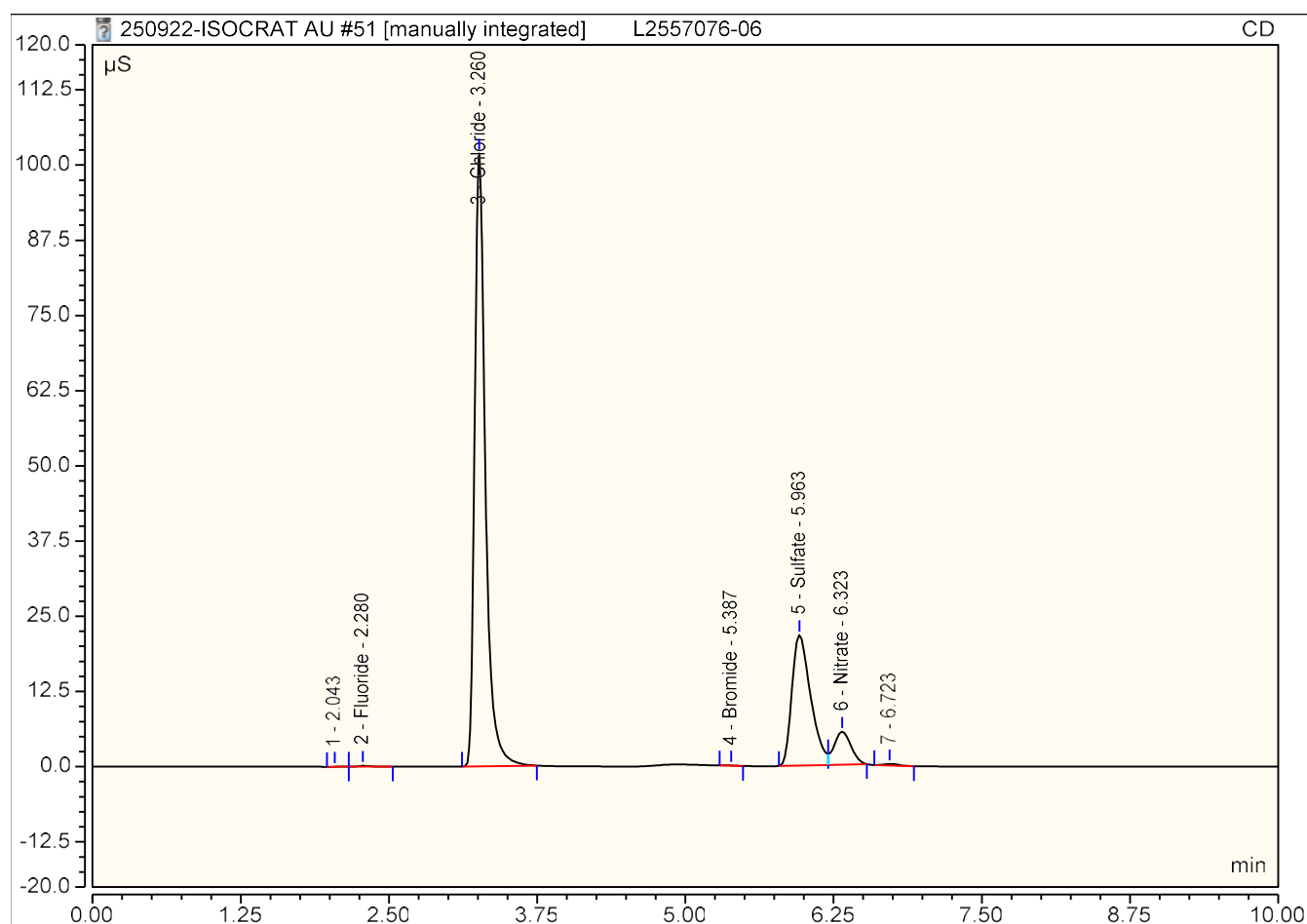
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.031	0.315	0.0851
3	3.28	Chloride	BMB	6.535	62.832	15.1901
4	5.26	Bromide	BMB*	0.003	0.000	0.0620
5	5.88	Sulfate	BM *	5.308	27.068	17.6694
6	6.29	Nitrate	MB*	0.223	1.394	0.2073
TOTAL:				12.10	91.61	33.21



Peak Integration Report

Sample Name:	L2557076-06	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 00:26	Run Time:	10.00

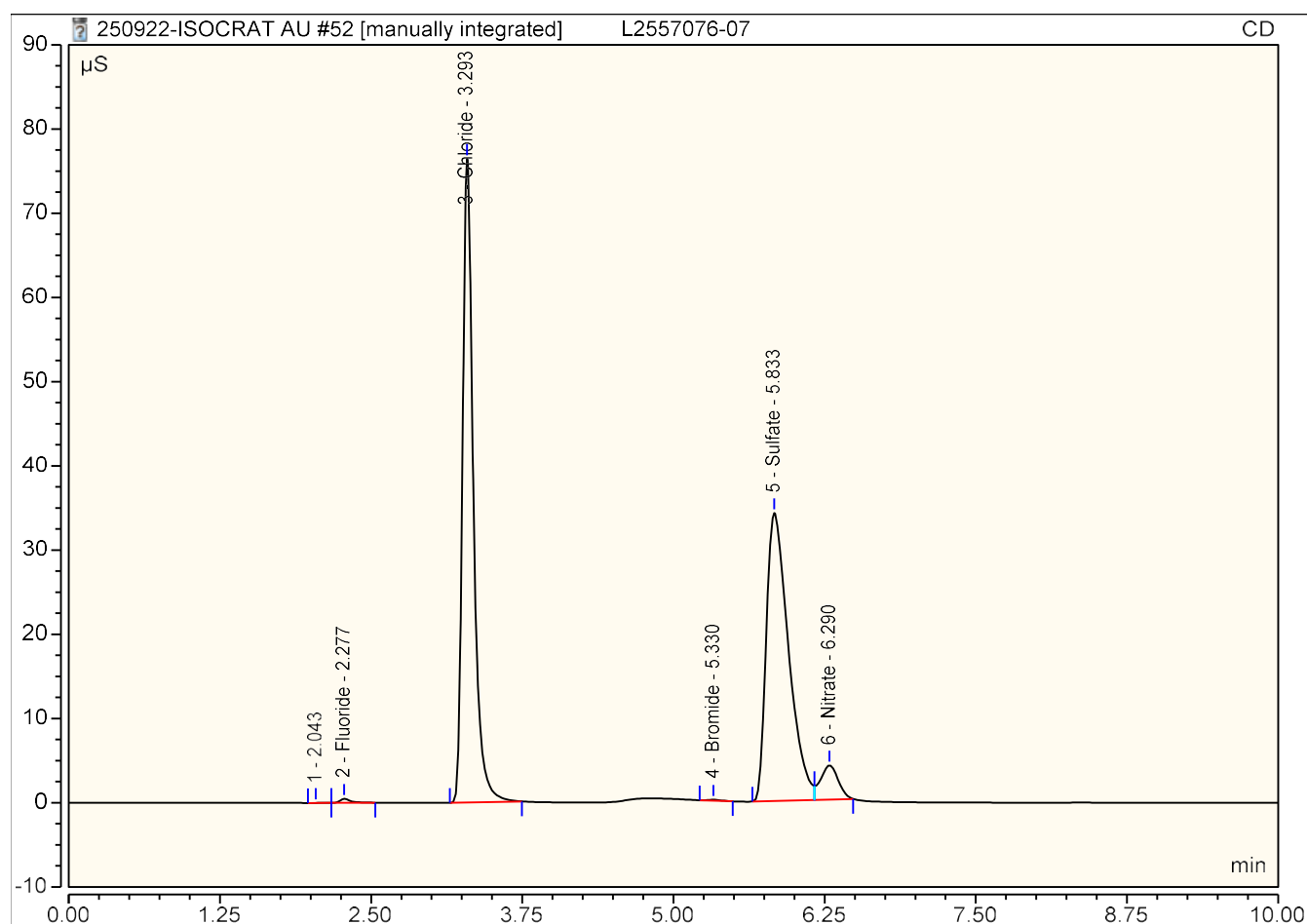
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.017	0.163	0.0607
3	3.26	Chloride	BMB	10.712	101.898	24.8235
4	5.39	Bromide	BMB*	0.004	0.038	0.0680
5	5.96	Sulfate	BM *	3.970	21.674	13.3094
6	6.32	Nitrate	MB*	0.909	5.486	0.7974
TOTAL:				15.61	129.26	39.06



Peak Integration Report

Sample Name:	L2557076-07	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 00:38	Run Time:	10.00

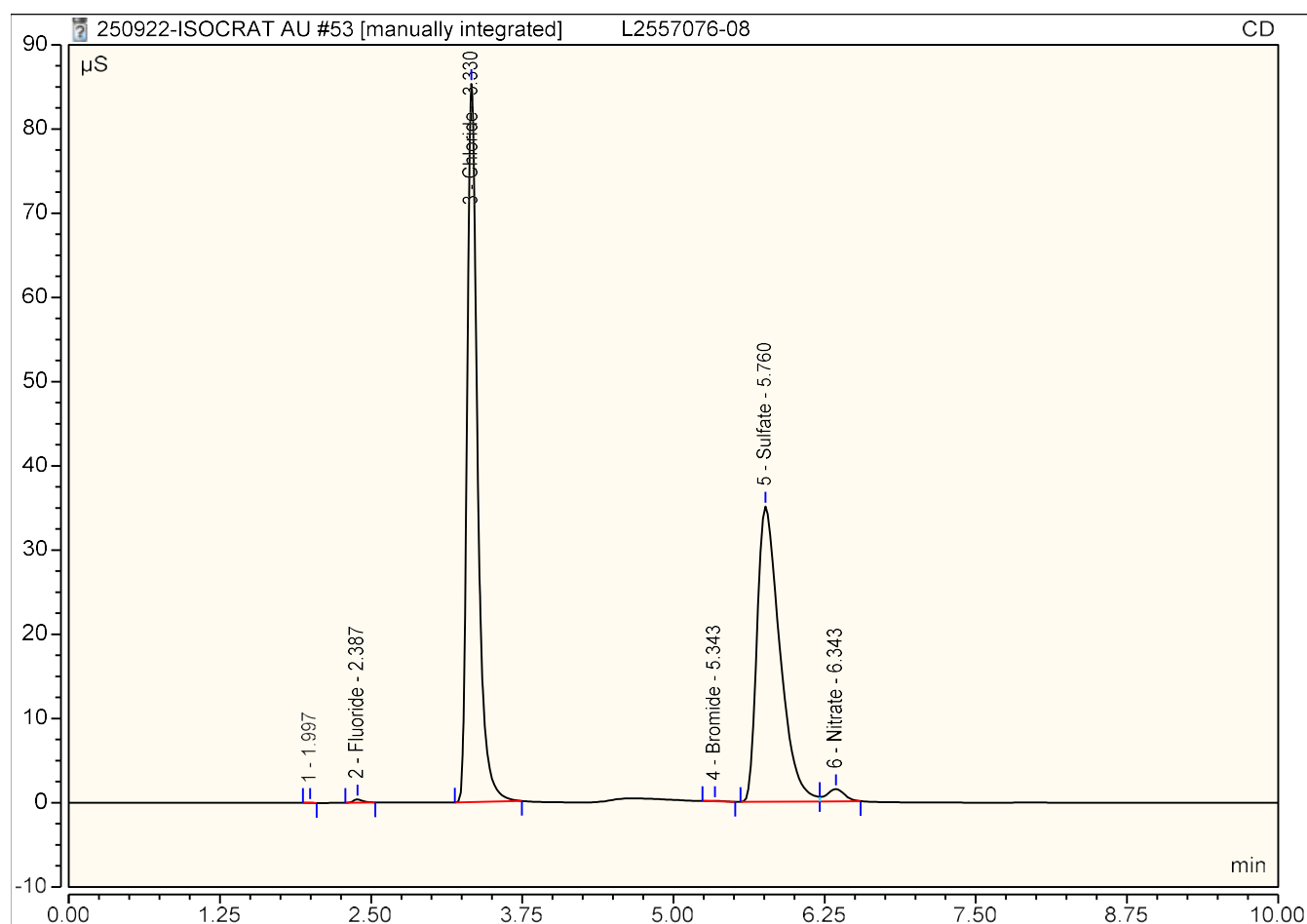
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.047	0.483	0.1123
3	3.29	Chloride	BMB	7.909	76.410	18.3594
4	5.33	Bromide	BMB*	0.015	0.119	0.1437
5	5.83	Sulfate	BM *	7.266	34.178	24.0497
6	6.29	Nitrate	MB*	0.693	4.078	0.6116
TOTAL:				15.93	115.27	43.28



Peak Integration Report

Sample Name:	L2557076-08	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 00:50	Run Time:	10.00

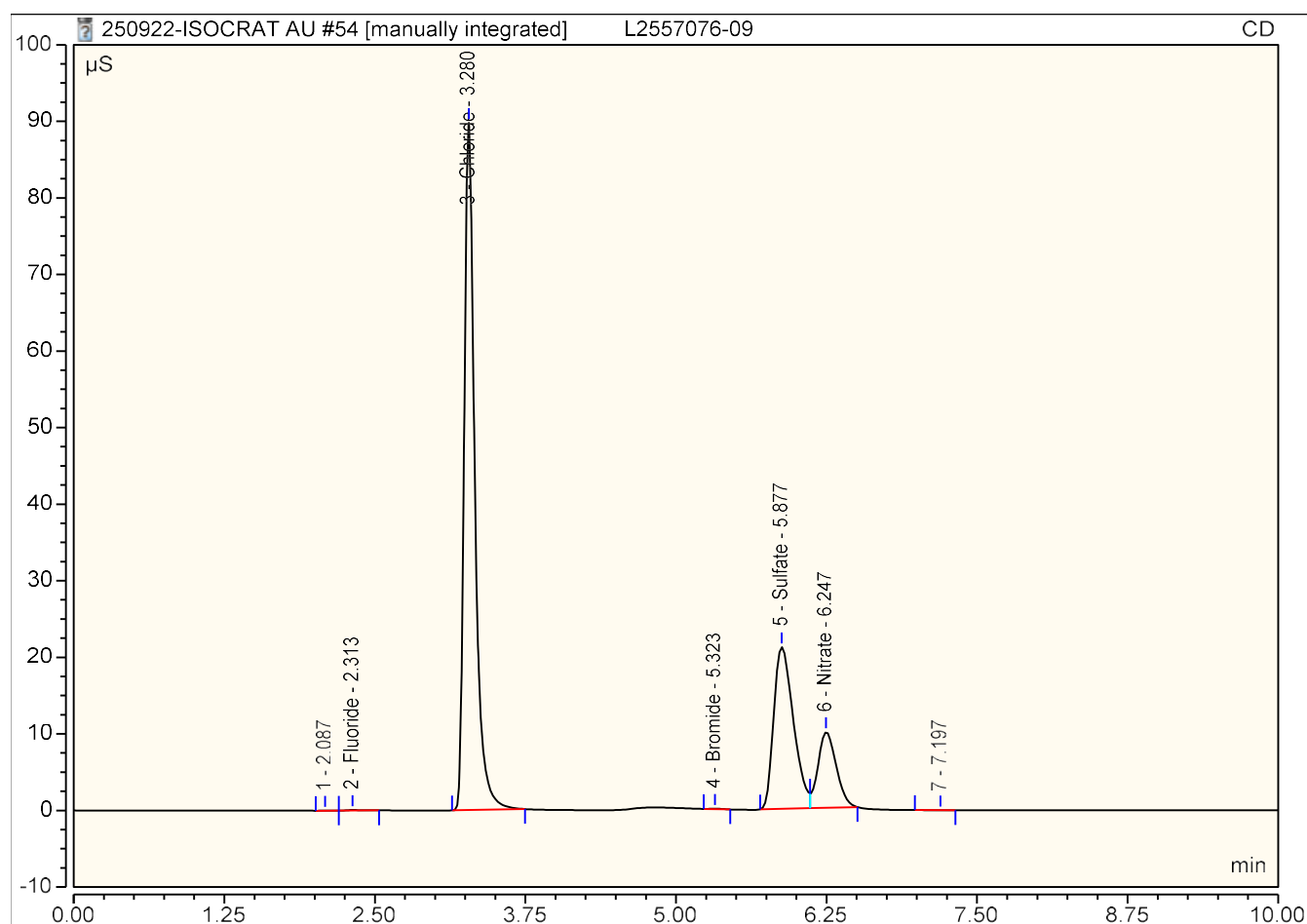
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.39	Fluoride	BMB	0.035	0.401	0.0932
3	3.33	Chloride	BMB	8.583	85.296	19.9134
4	5.34	Bromide	BMB*	0.008	0.064	0.0974
5	5.76	Sulfate	BM *	7.638	35.069	25.2616
6	6.34	Nitrate	MB*	0.248	1.465	0.2291
TOTAL:				16.51	122.29	45.59



Peak Integration Report

Sample Name:	L2557076-09	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 01:02	Run Time:	10.00

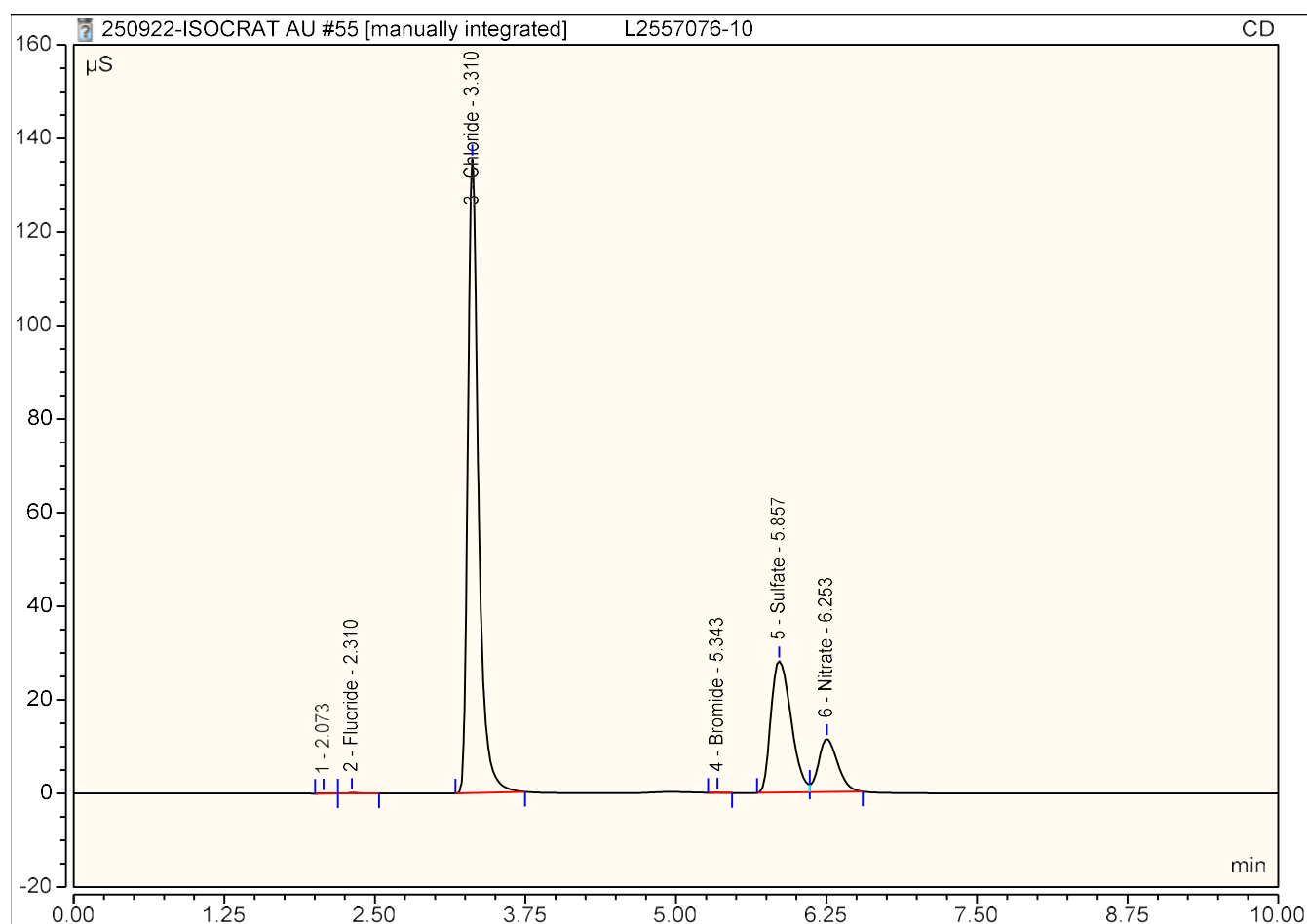
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.008	0.072	0.0451
3	3.28	Chloride	BMB	9.190	89.772	21.3130
4	5.32	Bromide	BMB*	0.006	0.051	0.0811
5	5.88	Sulfate	BM *	4.010	21.120	13.4417
6	6.25	Nitrate	MB*	1.740	9.901	1.5131
TOTAL:				14.95	120.92	36.39



Peak Integration Report

Sample Name:	L2557076-10	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 01:14	Run Time:	10.00

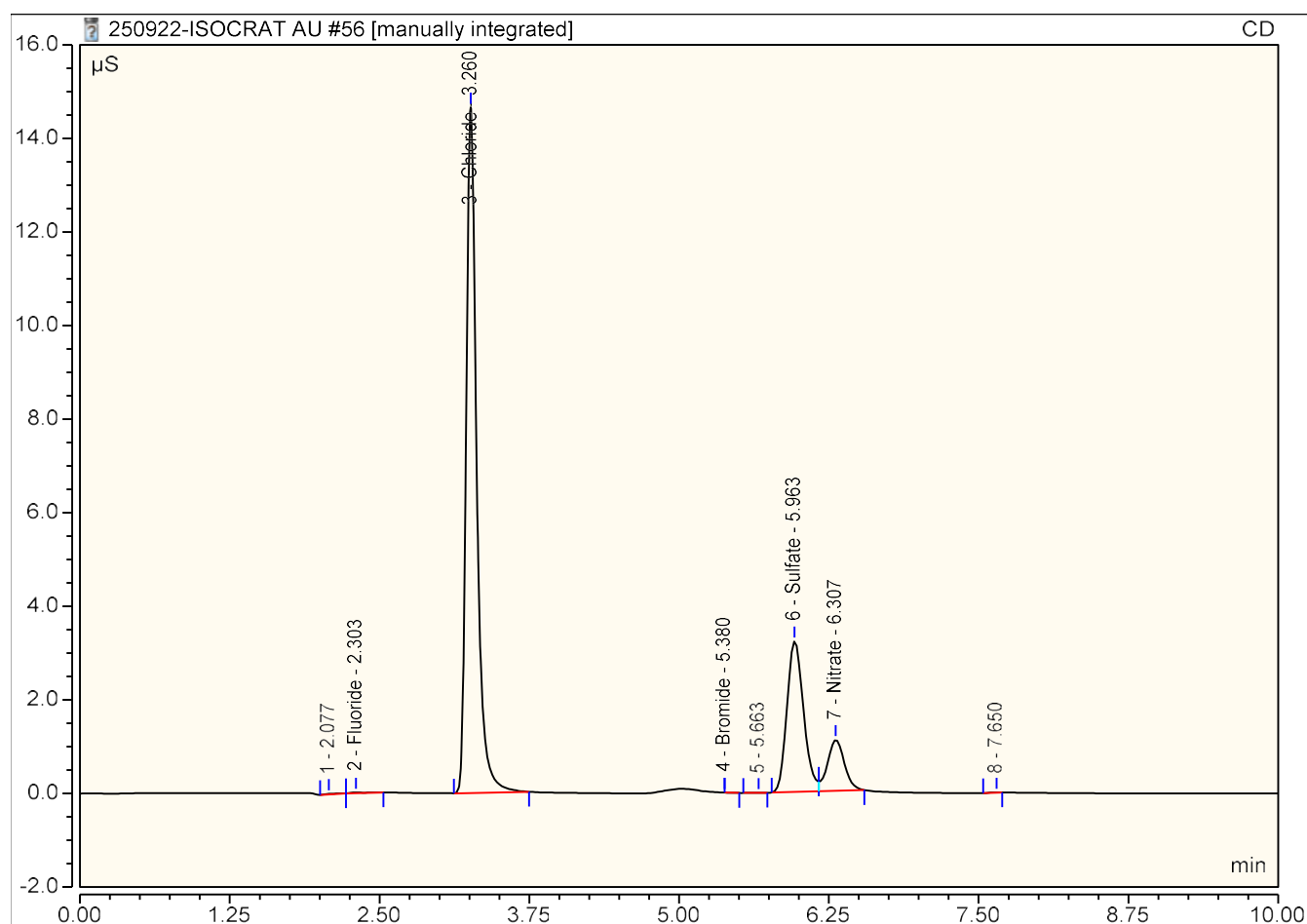
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.015	0.150	0.0584
3	3.31	Chloride	BMB	13.905	135.435	32.1871
4	5.34	Bromide	BMB*	0.004	0.031	0.0643
5	5.86	Sulfate	BM *	5.481	28.125	18.2348
6	6.25	Nitrate	MB*	2.088	11.388	1.8125
TOTAL:				21.49	175.13	52.36



Peak Integration Report

Sample Name:	XL2557076-10; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 01:26	Run Time:	10.00

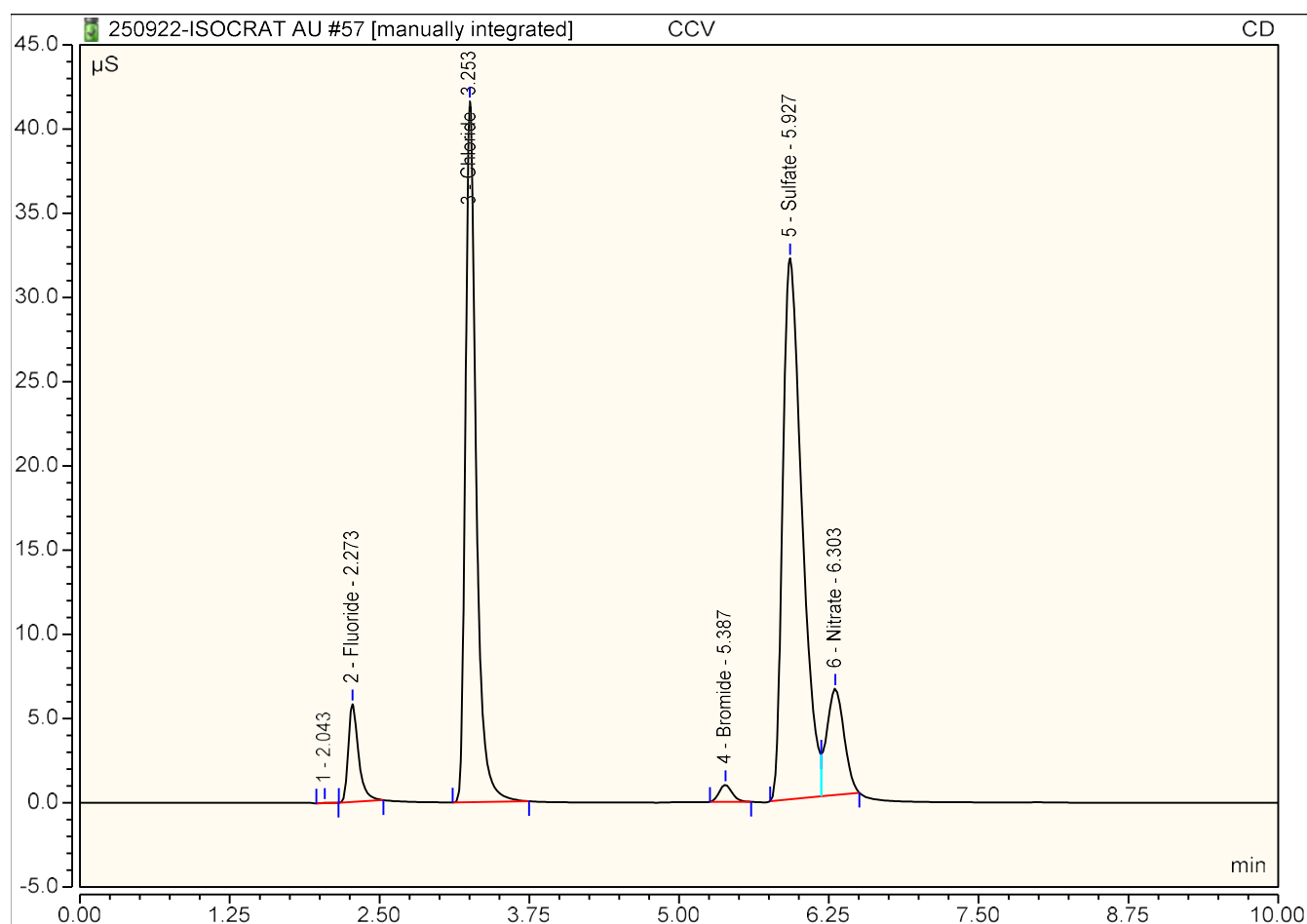
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.002	0.015	0.3500
3	3.26	Chloride	BMB	1.485	14.653	35.4452
4	5.38	Bromide	BMB*	0.000	0.000	0.3949
6	5.96	Sulfate	BM *	0.517	3.220	20.5901
7	6.31	Nitrate	MB*	0.177	1.091	1.6825
TOTAL:				2.18	18.98	58.46



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 01:39	Run Time:	10.00

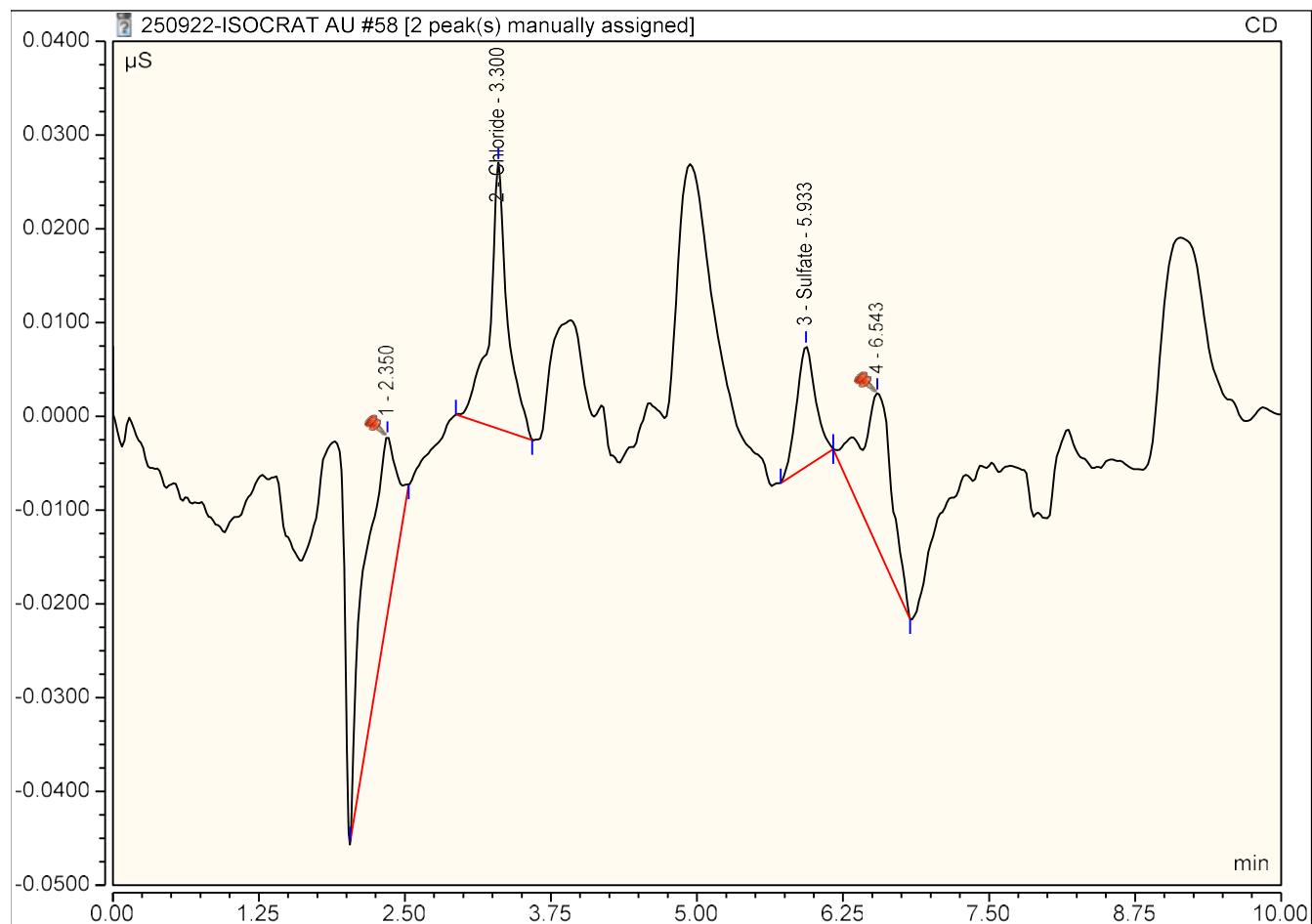
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.27	Fluoride	BMB	0.570	5.806	1.0143
3	3.25	Chloride	BMB	4.343	41.602	10.1354
4	5.39	Bromide	BMB*	0.128	1.003	0.9441
5	5.93	Sulfate	BM *	5.971	32.113	19.8288
6	6.30	Nitrate	MB*	1.058	6.310	0.9259
TOTAL:				12.07	86.83	32.85



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 01:51	Run Time:	10.00

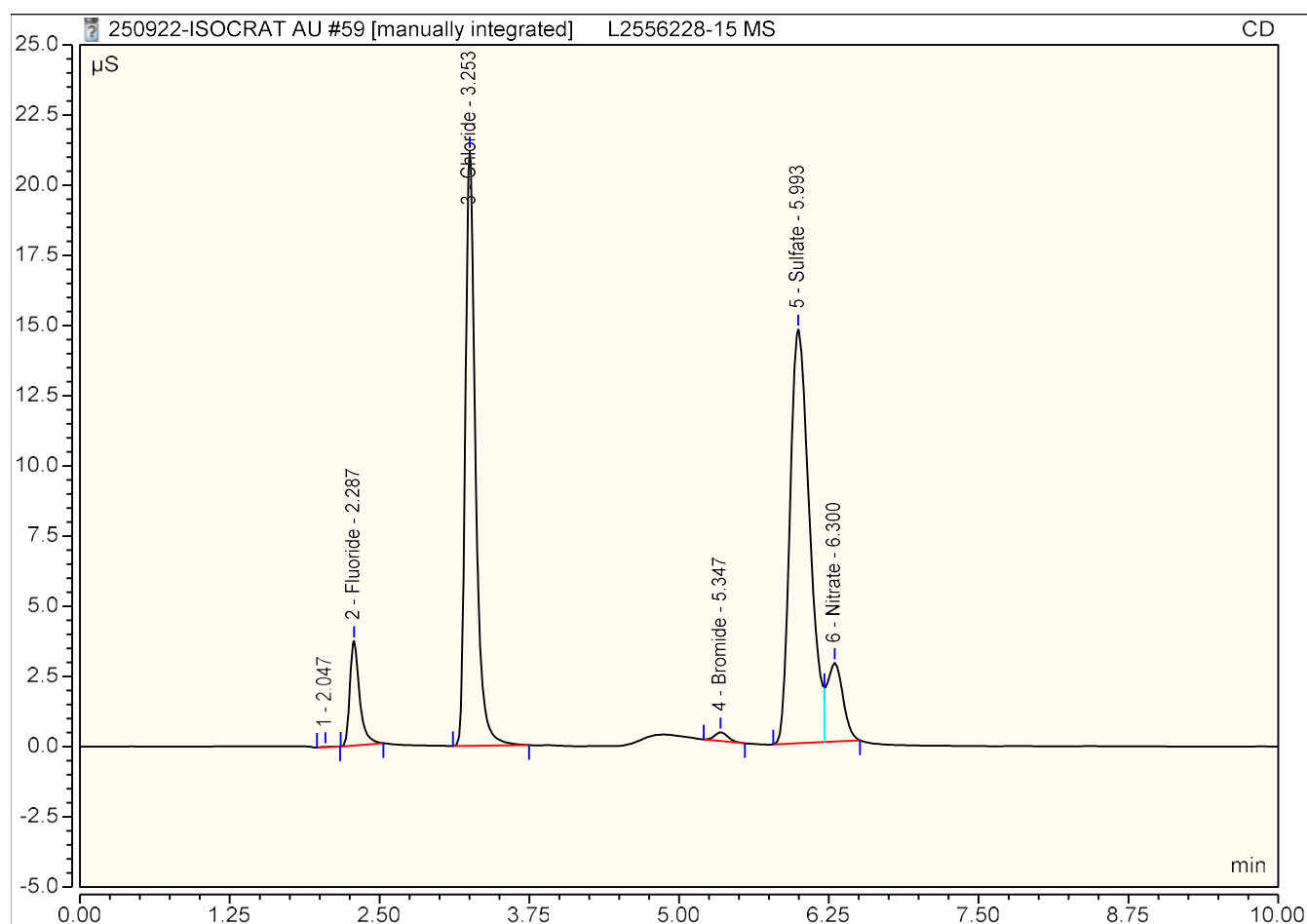
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.30	Chloride	BMB	0.005	0.028	0.1319
3	5.93	Sulfate	BMB	0.002	0.013	0.3825
TOTAL:				0.01	0.04	0.51



Peak Integration Report

Sample Name:	L2556228-15 MS	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 02:03	Run Time:	10.00

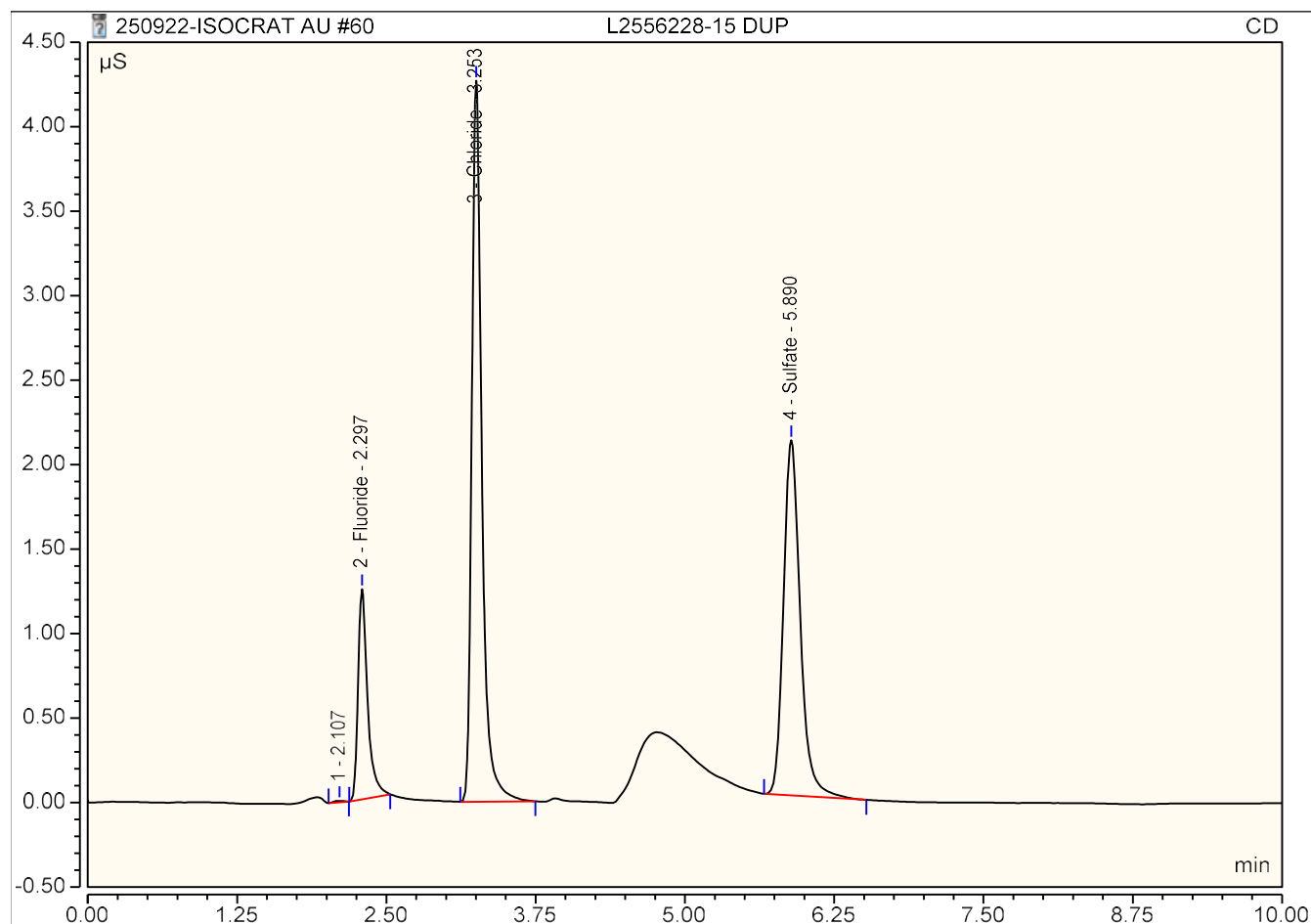
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.347	3.723	0.6303
3	3.25	Chloride	BMB	2.103	21.172	4.9690
4	5.35	Bromide	BMB*	0.040	0.311	0.3244
5	5.99	Sulfate	BM *	2.784	14.742	9.4447
6	6.30	Nitrate	MB*	0.430	2.800	0.3854
TOTAL:				5.70	42.75	15.75



Peak Integration Report

Sample Name:	L2556228-15 DUP	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 02:15	Run Time:	10.00

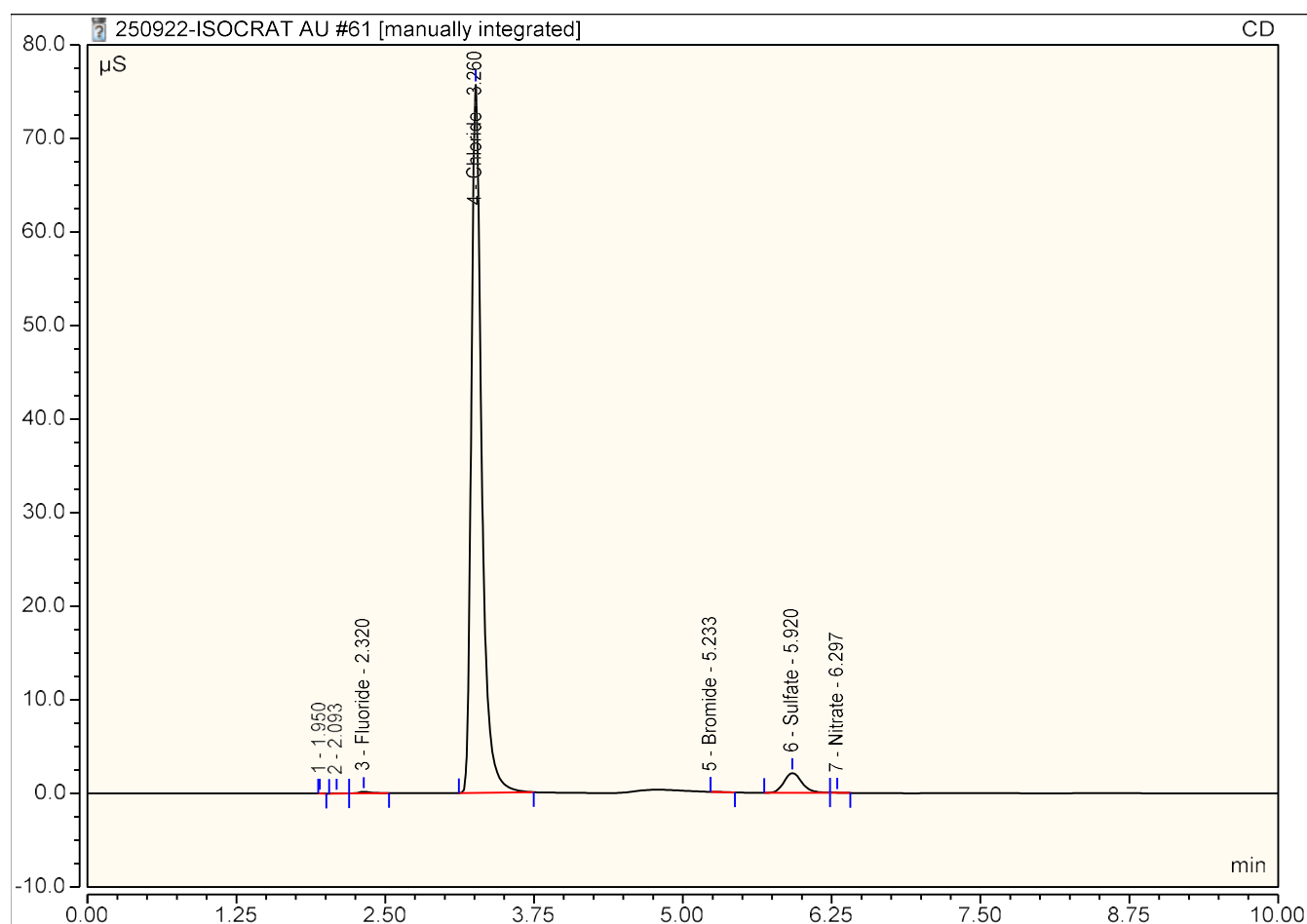
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.114	1.244	0.2289
3	3.25	Chloride	BMB	0.418	4.266	1.0840
4	5.89	Sulfate	BMB	0.342	2.101	1.4874
TOTAL:				0.87	7.61	2.80



Peak Integration Report

Sample Name:	L2556228-21; 5X CL	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	5.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 02:27	Run Time:	10.00

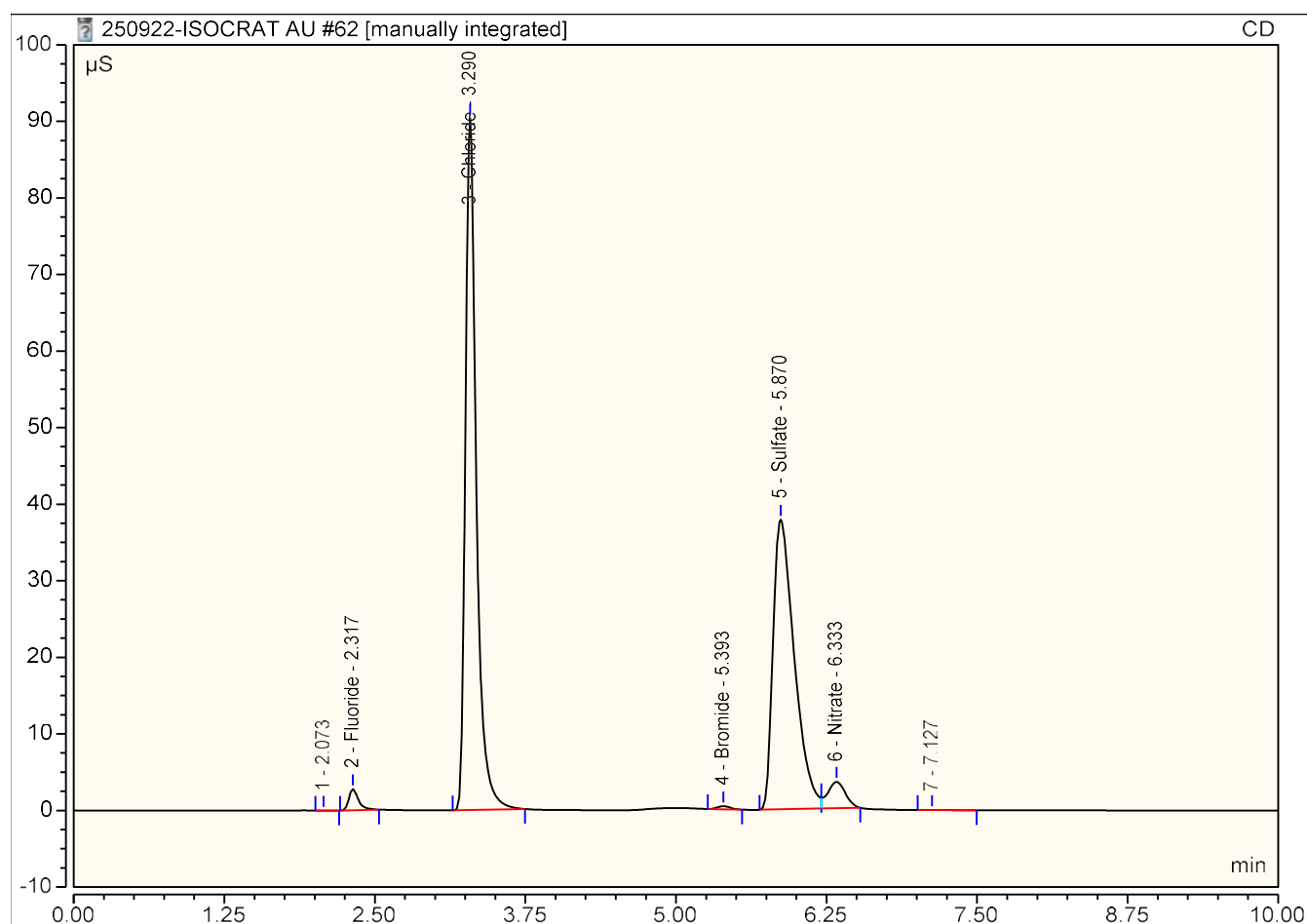
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
3	2.32	Fluoride	BMB	0.016	0.159	0.3010
4	3.26	Chloride	BMB	7.674	75.658	89.0919
5	5.23	Bromide	BMB*	0.002	0.000	0.2620
6	5.92	Sulfate	BM *	0.375	2.126	7.9802
7	6.30	Nitrate	MB*	0.004	0.030	0.0945
TOTAL:				8.07	77.97	97.73



Peak Integration Report

Sample Name:	L2557076-03 MS BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 02:39	Run Time:	10.00

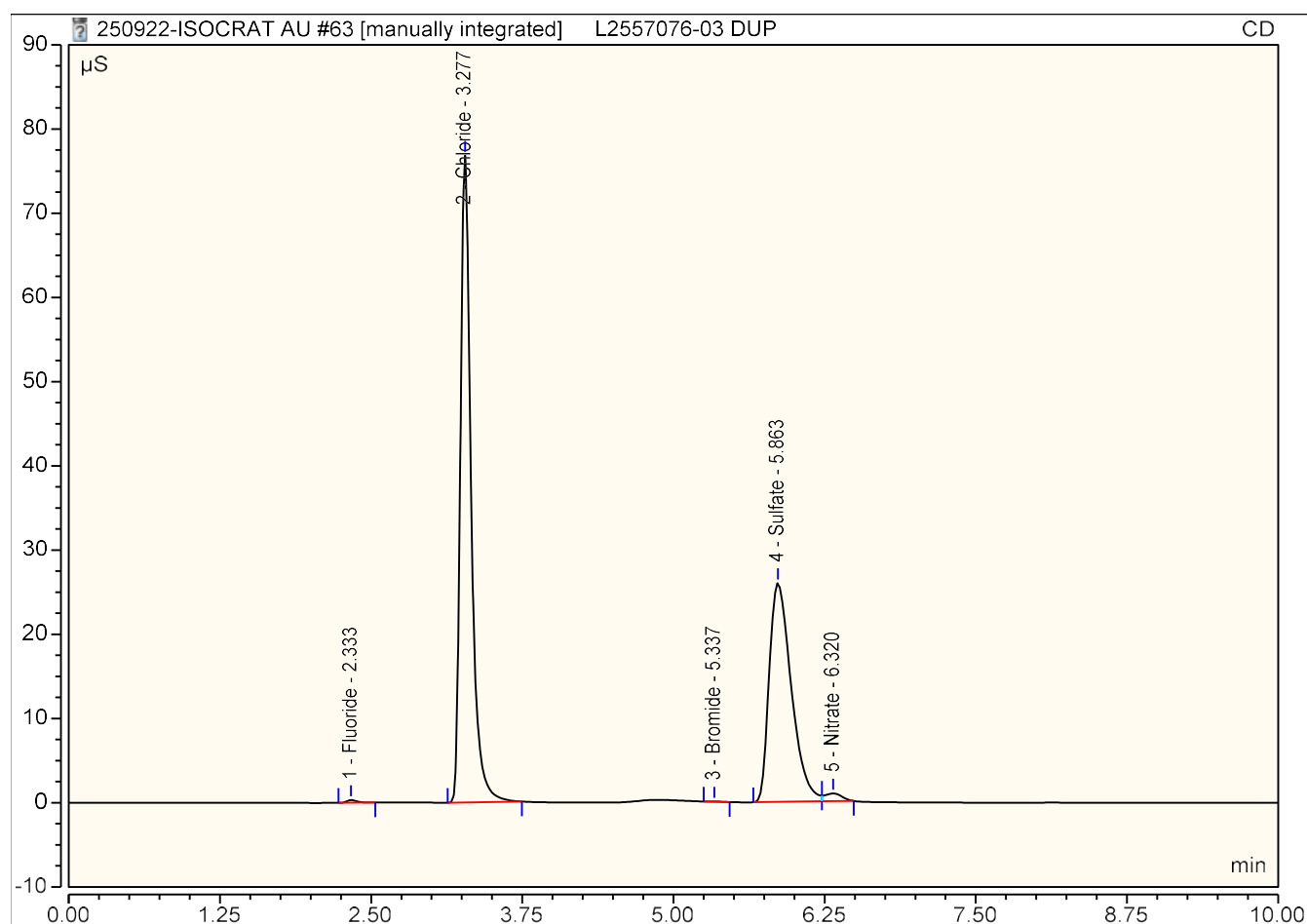
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.254	2.773	0.4703
3	3.29	Chloride	BMB	9.524	90.332	22.0834
4	5.39	Bromide	BMB*	0.049	0.389	0.3838
5	5.87	Sulfate	BM *	7.742	37.854	25.6002
6	6.33	Nitrate	MB*	0.591	3.470	0.5244
TOTAL:				18.16	134.82	49.06



Peak Integration Report

Sample Name:	L2557076-03 DUP	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 02:51	Run Time:	10.00

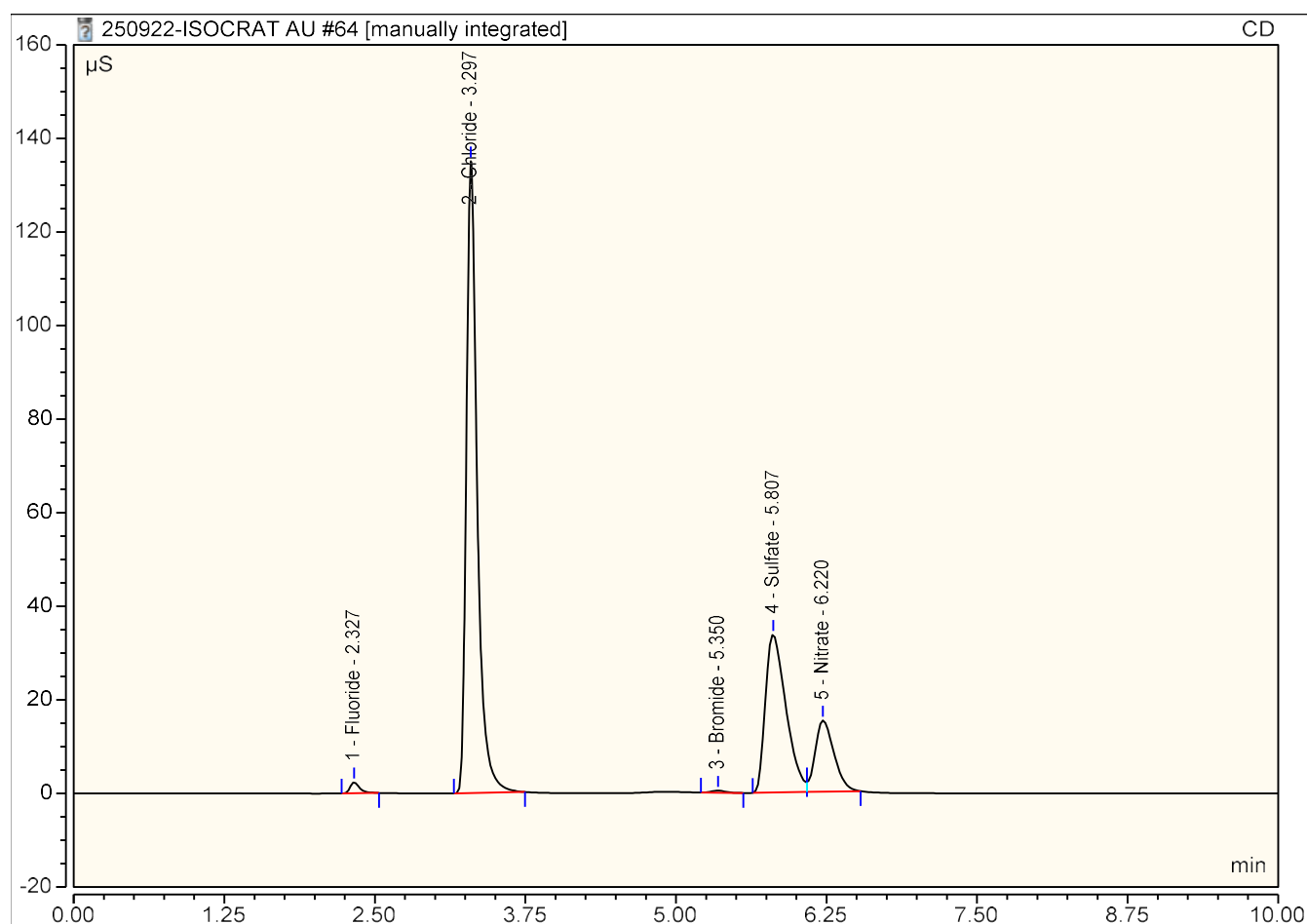
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	0.030	0.325	0.0838
2	3.28	Chloride	BMB	7.866	76.796	18.2602
3	5.34	Bromide	BMB*	0.004	0.034	0.0680
4	5.86	Sulfate	BM *	5.483	26.000	18.2402
5	6.32	Nitrate	MB*	0.153	0.933	0.1471
TOTAL:				13.54	104.09	36.80



Peak Integration Report

Sample Name:	L2556676-09 MS BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 03:03	Run Time:	10.00

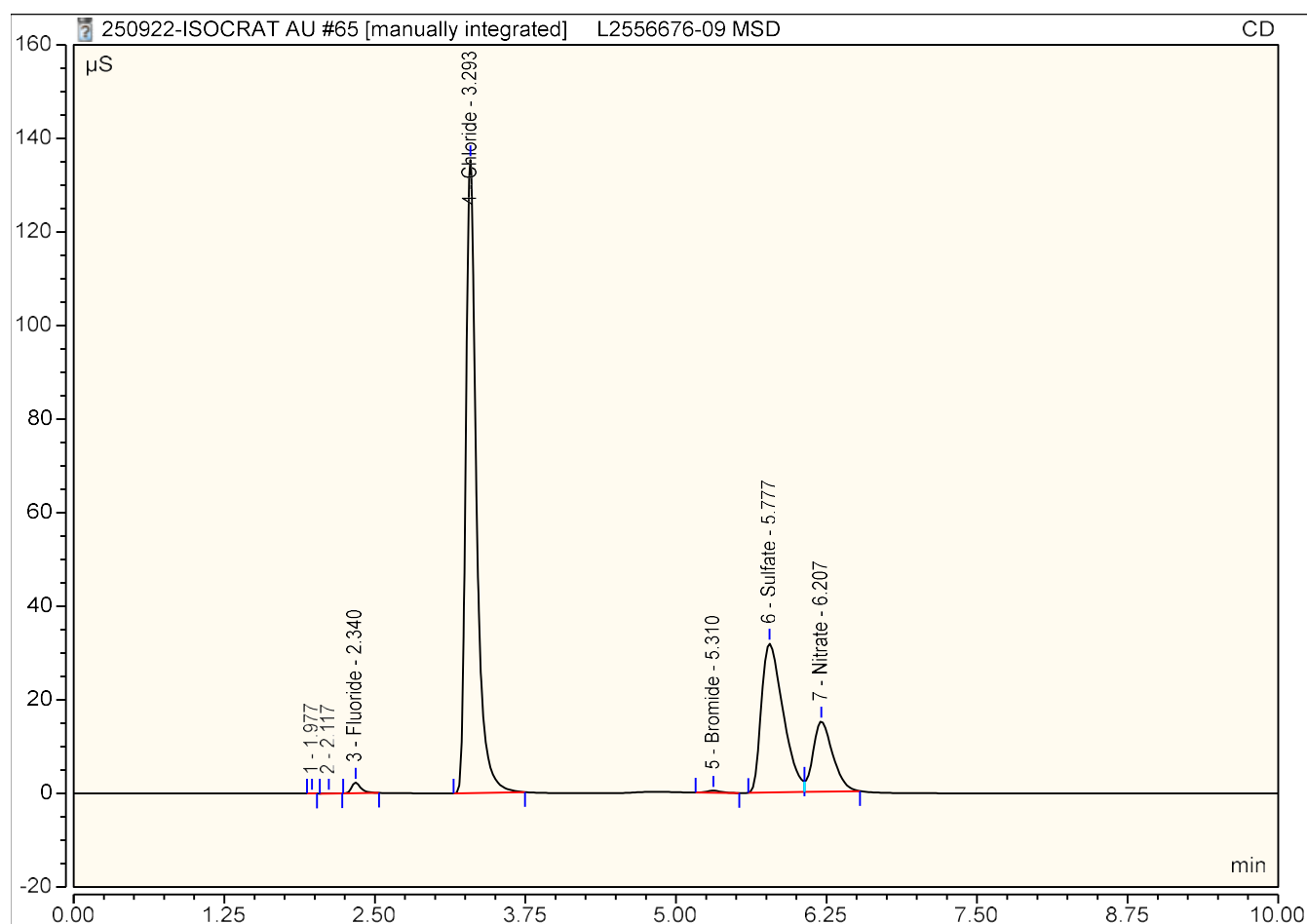
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	0.215	2.384	0.4027
2	3.30	Chloride	BMB	14.181	135.057	32.8224
3	5.35	Bromide	BMB*	0.060	0.475	0.4617
4	5.81	Sulfate	BM *	6.693	33.747	22.1836
5	6.22	Nitrate	MB*	2.771	15.254	2.3995
TOTAL:				23.92	186.92	58.27



Peak Integration Report

Sample Name:	L2556676-09 MSD	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 03:15	Run Time:	10.00

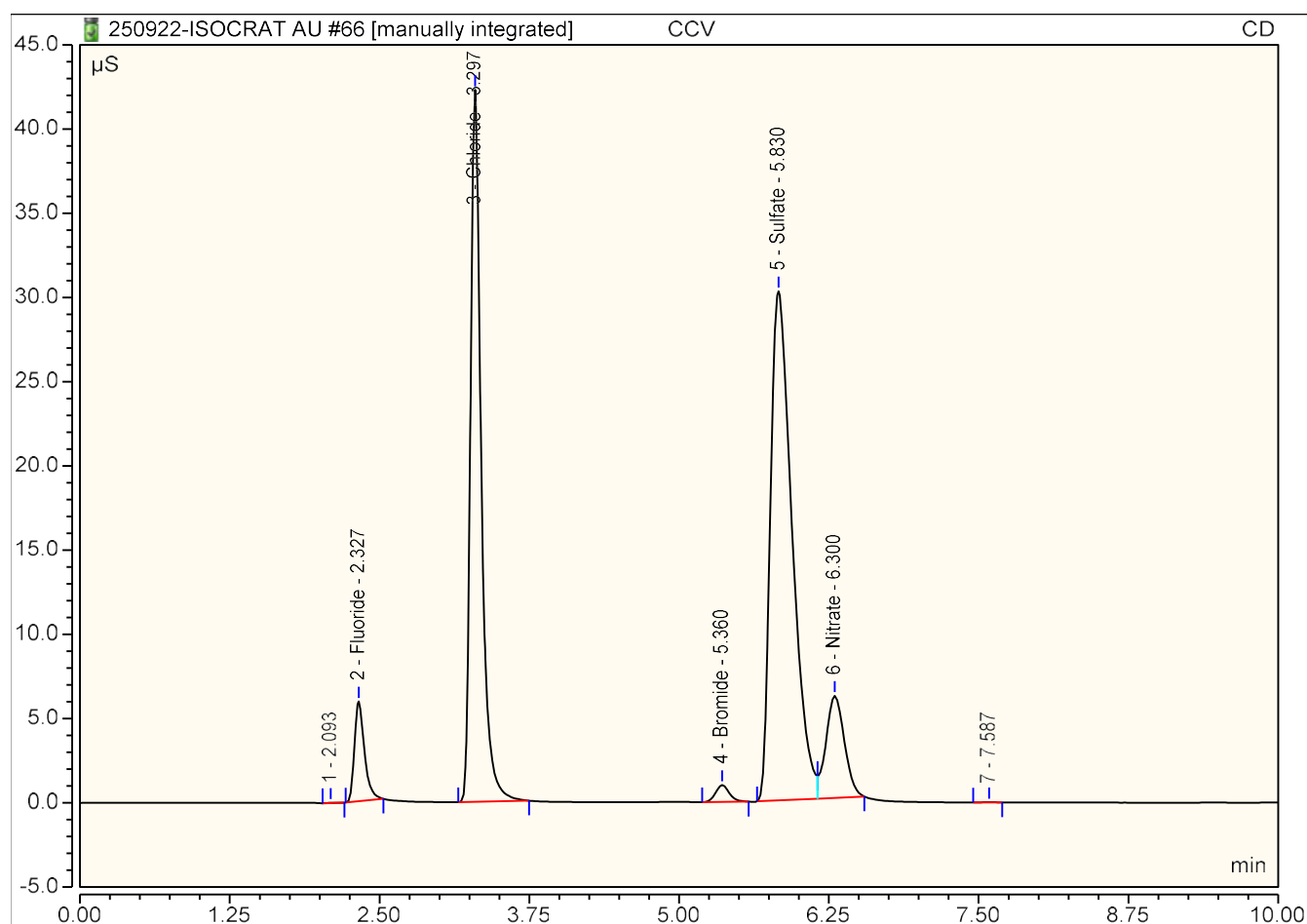
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
3	2.34	Fluoride	BMB	0.204	2.291	0.3834
4	3.29	Chloride	BMB	13.972	135.294	32.3419
5	5.31	Bromide	BMB*	0.061	0.471	0.4711
6	5.78	Sulfate	BM *	6.674	31.854	22.1199
7	6.21	Nitrate	MB*	2.851	15.030	2.4689
TOTAL:				23.76	184.94	57.79



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 03:27	Run Time:	10.00

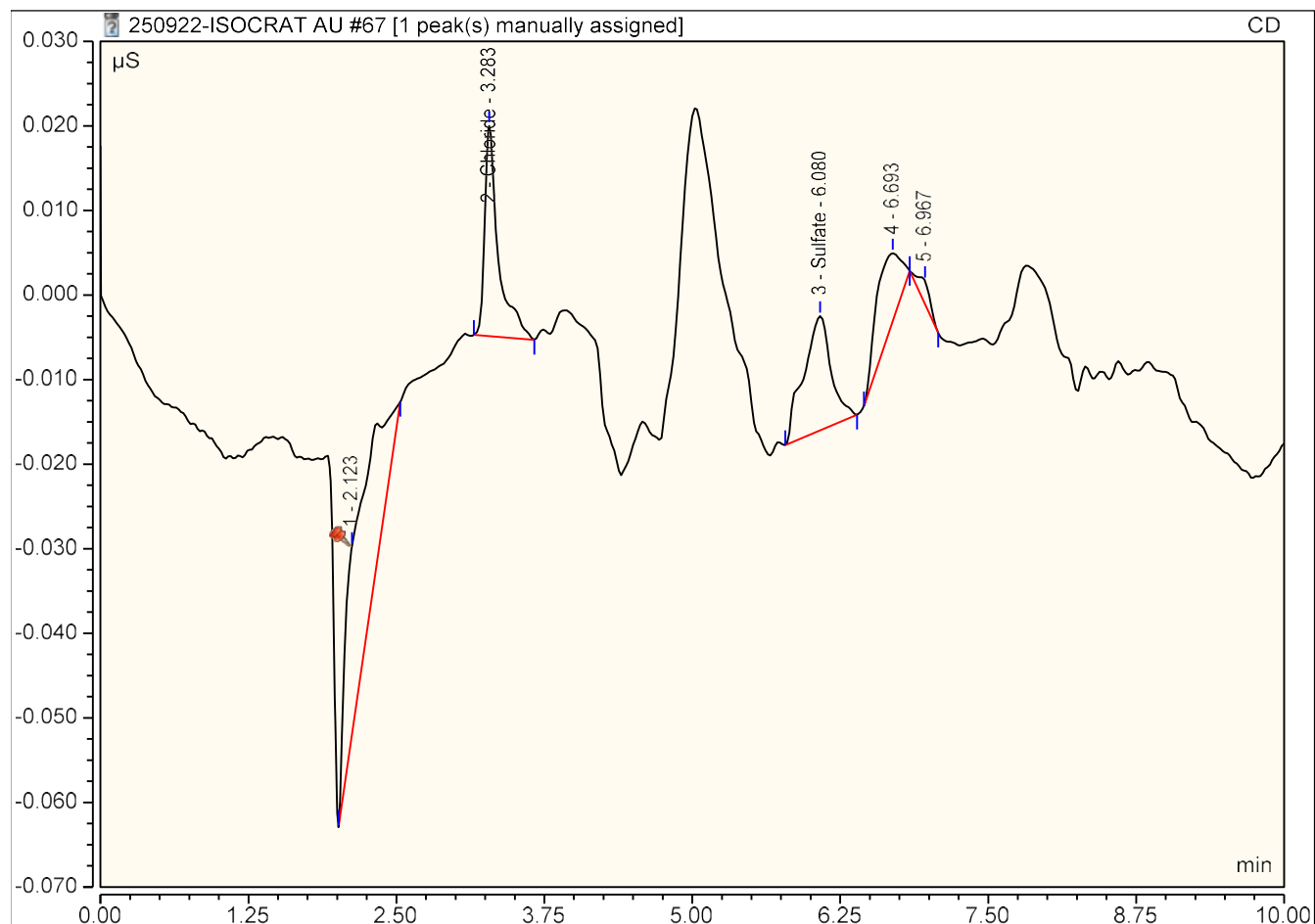
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.568	5.920	1.0110
3	3.30	Chloride	BMB	4.397	42.266	10.2610
4	5.36	Bromide	BMB*	0.133	1.010	0.9798
5	5.83	Sulfate	BM *	6.320	30.226	20.9667
6	6.30	Nitrate	MB*	1.082	6.065	0.9464
TOTAL:				12.50	85.49	34.16



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	23-Sep-2025 / 03:39	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.28	Chloride	BMB	0.003	0.025	0.1278
3	6.08	Sulfate	BMB	0.004	0.014	0.3864
TOTAL:				0.01	0.04	0.51



Anion Summary Report

No.	Name	Dilution	Amount CD Fluoride	Amount CD Chloride	Amount CD Nitrate	Amount CD Sulfate	Amount CD Bromide
1	BLANK	1.0	n.a.	n.a.	n.a.	n.a.	n.a.
2	STD 0.5	1.0	0.0477	0.3531	0.0335	0.7372	0.0483
3	STD 1.0	1.0	0.0627	0.5505	0.0486	1.1732	0.0747
4	STD 2.0	1.0	0.1692	2.0467	0.1711	4.2111	0.1893
5	STD 3.0	1.0	0.4538	4.9808	0.4714	10.1018	0.4500
6	STD 4.0	1.0	2.0599	19.6998	2.0773	38.8305	2.0127
7	STD 5.0	1.0	4.9817	50.1191	4.9731	100.4463	5.4201
8	RINSE	1.0	0.0405	0.1276	n.a.	0.3826	n.a.
9	CCV	1.0	1.0284	10.0896	0.9587	20.2950	0.9448
10	CCB	1.0	0.0333	0.1291	0.0158	0.3796	n.a.
11	ICV	1.0	0.8043	8.2363	0.7501	8.1766	0.7696
12	ICB	1.0	0.0340	0.1363	n.a.	0.3837	n.a.
13	BLK	1.0	0.0331	0.1300	n.a.	0.3829	n.a.
14	LCS	1.0	0.7826	8.1324	0.7657	8.3037	0.7743
15	BLK-2	1.0	0.0338	0.1293	n.a.	0.3891	n.a.
16	LCS-2	1.0	0.7823	8.1224	0.7553	8.5676	0.7584
17	L2556228-14 CL SO4 BR	1.0	0.0821	40.0519	n.a.	62.4043	0.0448
18	L2556228-15	1.0	0.2335	1.1102	n.a.	1.4708	n.a.
19	L2556228-16	1.0	0.1665	53.7595	n.a.	0.3926	0.1098
20	L2556228-16; 10X	10.0	0.4776	66.3979	n.a.	3.8505	0.4169
21	CCV	1.0	0.9812	10.1694	0.9544	20.7681	0.9735
22	CCB	1.0	n.a.	0.1303	n.a.	0.3885	n.a.
23	L2556228-17	1.0	0.3141	1.0895	n.a.	3.1781	n.a.
24	L2556228-18	1.0	0.1020	43.2774	n.a.	30.8168	0.1626
25	L2556228-19	1.0	0.0684	10.1365	n.a.	17.8668	n.a.
26	L2556228-20	1.0	0.1128	0.9690	n.a.	7.7489	n.a.
27	L2556228-21	1.0	0.1832	87.0037	0.0320	7.2325	0.1574
28	L2556228-22	1.0	0.0802	44.3853	n.a.	69.3609	0.0484
29	L2556228-23	1.0	0.1521	3.9864	n.a.	9.5825	n.a.
30	XL2556228-23; 10X	10.0	0.4592	5.0584	n.a.	13.7220	n.a.
31	L2557076-03 BR	1.0	0.0844	18.8045	0.1323	17.3628	0.0605
32	L2557076-02	1.0	0.0433	0.1239	n.a.	0.3783	n.a.
33	CCV	1.0	0.9700	10.0331	0.9396	20.8398	0.9402
34	CCB	1.0	0.0342	0.1277	n.a.	0.3763	n.a.
35	L2556676-11 BR	1.0	0.0419	19.5693	4.6491	10.8722	0.0533
36	L2556676-10	1.0	0.0735	10.5387	0.5829	9.7781	0.0542
37	L2556676-09	1.0	0.0473	29.1052	2.1523	13.8853	0.1166
38	L2556676-08	1.0	0.1155	17.3401	0.1462	19.3118	0.0613
39	L2556676-07	1.0	0.1568	17.6700	0.0652	14.4016	0.0635
40	L2556676-06	1.0	0.0910	17.6444	0.0695	16.7627	0.0626
41	L2556676-05	1.0	0.1035	17.8342	0.5903	22.3008	0.0757
42	L2556676-04	1.0	0.0993	18.1638	0.1501	17.6320	0.0654
43	L2556676-03	1.0	0.0337	17.4967	n.a.	16.3884	0.0789
44	XL2556676-03; 10X	10.0	0.4087	20.5572	n.a.	20.6360	n.a.

45	CCV	1.0	1.0202	10.0175	0.9521	20.8387	0.9414
46	CCB	1.0	n.a.	0.1316	n.a.	0.3818	n.a.
47	L2556676-02	1.0	0.1002	18.1678	0.1551	17.4760	0.0645
48	L2556676-12	1.0	0.0796	9.9126	n.a.	39.9015	0.0510
49	L2557076-04	1.0	0.0601	17.3814	3.1195	13.9504	0.0512
50	L2557076-05	1.0	0.0851	15.1901	0.2073	17.6694	0.0620
51	L2557076-06	1.0	0.0607	24.8235	0.7974	13.3094	0.0680
52	L2557076-07	1.0	0.1123	18.3594	0.6116	24.0497	0.1437
53	L2557076-08	1.0	0.0932	19.9134	0.2291	25.2616	0.0974
54	L2557076-09	1.0	0.0451	21.3130	1.5131	13.4417	0.0811
55	L2557076-10	1.0	0.0584	32.1871	1.8125	18.2348	0.0643
56	XL2557076-10; 10X	10.0	0.3500	35.4452	1.6825	20.5901	0.3949
57	CCV	1.0	1.0143	10.1354	0.9259	19.8288	0.9441
58	CCB	1.0	n.a.	0.1319	n.a.	0.3825	n.a.
59	L2556228-15 MS	1.0	0.6303	4.9690	0.3854	9.4447	0.3244
60	L2556228-15 DUP	1.0	0.2289	1.0840	n.a.	1.4874	n.a.
61	L2556228-21; 5X CL	5.0	0.3010	89.0919	0.0945	7.9802	0.2620
62	L2557076-03 MS BR	1.0	0.4703	22.0834	0.5244	25.6002	0.3838
63	L2557076-03 DUP	1.0	0.0838	18.2602	0.1471	18.2402	0.0680
64	L2556676-09 MS BR	1.0	0.4027	32.8224	2.3995	22.1836	0.4617
65	L2556676-09 MSD	1.0	0.3834	32.3419	2.4689	22.1199	0.4711
66	CCV	1.0	1.0110	10.2610	0.9464	20.9667	0.9798
67	CCB	1.0	n.a.	0.1278	n.a.	0.3864	n.a.
	Sum:	107.000	23.6541		40.4571	1026.1961	20.9022
	Average:	1.597	0.3815		0.9868	15.5484	0.4447
	Rel.Std.Dev:	137.039 %	1.8515		1.1889	1.0951	1.9009

Inject Time	Comment
19/Sep/2025 14:38	AU
19/Sep/2025 14:50	LOT#250918-0.5
19/Sep/2025 15:02	LOT#250918-1.0
19/Sep/2025 15:14	LOT#250918-2.0
19/Sep/2025 15:26	LOT#250918-3.0
19/Sep/2025 15:38	LOT#250918-4.0
19/Sep/2025 15:50	LOT#250918-5.0
22/Sep/2025 15:46	'G2118199-8200-8201
22/Sep/2025 15:58	LOT#250918-C
22/Sep/2025 16:11	AU
22/Sep/2025 16:23	LOT#250918-I
22/Sep/2025 16:35	AU
22/Sep/2025 16:47	AU
22/Sep/2025 16:59	LOT#250918-I
22/Sep/2025 17:11	AU
22/Sep/2025 17:23	LOT#250918-I
22/Sep/2025 17:35	AU
22/Sep/2025 17:47	AU
22/Sep/2025 17:59	AU
22/Sep/2025 18:11	AU
22/Sep/2025 18:24	LOT#250918-C
22/Sep/2025 18:36	AU
22/Sep/2025 18:48	AU
22/Sep/2025 19:00	AU
22/Sep/2025 19:12	AU
22/Sep/2025 19:24	AU
22/Sep/2025 19:36	AU
22/Sep/2025 19:48	AU
22/Sep/2025 20:00	AU
22/Sep/2025 20:12	AU
22/Sep/2025 20:24	AU
22/Sep/2025 20:36	AU
22/Sep/2025 20:49	LOT#250918-C
22/Sep/2025 21:01	AU
22/Sep/2025 21:13	AU
22/Sep/2025 21:25	AU
22/Sep/2025 21:37	AU
22/Sep/2025 21:49	AU
22/Sep/2025 22:01	AU
22/Sep/2025 22:13	AU
22/Sep/2025 22:25	AU
22/Sep/2025 22:37	AU
22/Sep/2025 22:49	AU
22/Sep/2025 23:02	AU

22/Sep/2025 23:14	LOT#250918-C
22/Sep/2025 23:26	AU
22/Sep/2025 23:38	AU
22/Sep/2025 23:50	AU
23/Sep/2025 00:02	AU
23/Sep/2025 00:14	AU
23/Sep/2025 00:26	AU
23/Sep/2025 00:38	AU
23/Sep/2025 00:50	AU
23/Sep/2025 01:02	AU
23/Sep/2025 01:14	AU
23/Sep/2025 01:26	AU
23/Sep/2025 01:39	LOT#250918-C
23/Sep/2025 01:51	AU
23/Sep/2025 02:03	AU
23/Sep/2025 02:15	AU
23/Sep/2025 02:27	AU
23/Sep/2025 02:39	AU
23/Sep/2025 02:51	AU
23/Sep/2025 03:03	AU
23/Sep/2025 03:15	AU
23/Sep/2025 03:27	LOT#250918-C
23/Sep/2025 03:39	AU
	0.000
	#DIV/0!
	#DIV/0!

Quality Control

Form 5a Matrix Spike

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : 5A
 Lab Sample ID : L2557076-03
 Matrix Spike : WG2118200-3
 Matrix Spike Dup :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 MS Analysis Date : 09/23/25 02:39
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Bromide	0.060	0.4	0.384	80 Q					90-110	20



Form 6 Lab Duplicates

Client	: P. W. Grosser	Lab Number	: L2557076
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Client Sample ID	: 5A	Matrix	: WATER
Lab Sample ID	: L2557076-03	Analysis Date	: 09/22/25 20:24
Dup Sample ID	: WG2118200-4	DUP Analysis Date	: 09/23/25 02:51

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Bromide	0.060	0.068	12	20



Form 7

Laboratory Control Sample

Client : P. W. Grosser
 Project Name : ROANOKE SAND AND GRAVEL
 Client Sample ID : NA
 Lab Sample ID : WG2118200-2
 Dup Sample ID :

Lab Number : L2557076
 Project Number : BSD1504
 Matrix : WATER
 LCS Analysis Date : 09/22/25 17:23
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Bromide	0.800	0.758	95.					90-110	20



WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Anions by Ion Chromatography

Aqueous samples:

The Dionex calculates the area of the peaks produced by the instrument, compares them to the peak area of the calibration standard stored in its memory, and calculates result in mg/L.

If the sample was manually diluted prior to analysis, the calculated mean must be manually multiplied by the dilution factor. The Reported Detection Limit is also multiplied by the same dilution factor.

$$\text{Result, mg/L} = \frac{\text{area} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

ATTACHMENT H



Subcontracted Data

Laboratory Report

Report prepared for:

Nichole Hunt
Pace Analytical Services, LLC
8 Walkup Dr
Westborough, MA 01581 -1019
Email: Nichole.Hunt@pacelabs.com, west.subreports@pacelabs.com

Report prepared by:

Debbie S Robertson

Purchase Order:**For further assistance, contact:**

Debbie S Robertson
Report Production Coordinator
2323 Sycamore Dr
Knoxville, TN 37921
(865) 546-1335
debbierobertson@galbraith.com

Sample: L2556676 3A		Received: 2025-09-16			
Lab ID: 2025-W-6016					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	203.03 mg	2025-09-19

Sample: L2556676 3B		Received: 2025-09-16			
Lab ID: 2025-W-6017					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	201.59 mg	2025-09-19

Sample: L2556676 DUP001		Received: 2025-09-16			
Lab ID: 2025-W-6018					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	201.10 mg	2025-09-19

Sample: L2556676 4A		Received: 2025-09-16			
Lab ID: 2025-W-6019					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	200.79 mg	2025-09-19

Sample: L2556676 4B		Received: 2025-09-16			
Lab ID: 2025-W-6020					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	200.32 mg	2025-09-19

Sample: L2556676 2A		Received: 2025-09-16			
Lab ID: 2025-W-6021					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	200.46 mg	2025-09-19

Sample: L2556676 2B		Received: 2025-09-16			
Lab ID: 2025-W-6022					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	200.36 mg	2025-09-19

Sample: L2556676 8A		Received: 2025-09-16			
Lab ID: 2025-W-6023					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	201.05 mg	2025-09-19

Sample: L2556676 8A MS		Received: 2025-09-16			
Lab ID: 2025-W-6024					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	200.17 mg	2025-09-19

Sample: L2556676 8A MSD		Received: 2025-09-16			
Lab ID: 2025-W-6025					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	200.29 mg	2025-09-19

Sample: L2556676 8B					
----------------------------	--	--	--	--	--

Lab ID: 2025-W-6026		Received: 2025-09-16			
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	200.24 mg	2025-09-19

Sample: L2556676 9A		Received: 2025-09-16			
Lab ID: 2025-W-6027					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.84 mg	2025-09-19

Sample: L2556676 9B		Received: 2025-09-16			
Lab ID: 2025-W-6028					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.01 mg	2025-09-19

Signatures:

Created By: Debbie.S.Robertson
Published By: Debbie.S.Robertson

2025-09-22T16:45:47.55-04:00
2025-09-22T16:46:06.443-04:00

- Physical signatures are on file.
- "Published By" signature indicates authorized release of data.



September 23, 2025

Nicole Hunt
Pace
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2556676
Pace Project No.: 50412732

Dear Nicole Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on September 16, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Tina Sayer".

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Pace MA, Pace Analytical Westborough



REPORT OF LABORATORY ANALYSIS

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8



CERTIFICATIONS

Project: L2556676
Pace Project No.: 50412732

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Indiana Drinking Water Laboratory #: C-49-06
Kentucky UST Agency Interest #: 80226
Louisiana Certification #: 04076
Oklahoma Laboratory #: 9204
Washington Dept of Ecology #: C1081
USDA Foreign Soil Permit #: 525-23-13-23119

Illinois Accreditation #: 200074
Kansas/TNI Certification #: E-10177
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Texas Certification #: T104704355
Wisconsin Laboratory #: 999788130
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



SAMPLE SUMMARY

Project: L2556676
Pace Project No.: 50412732

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50412732001	3A	Water	09/09/25 08:40	09/16/25 08:10
50412732002	3B	Water	09/09/25 08:50	09/16/25 08:10
50412732003	DUP001	Water	09/09/25 08:45	09/16/25 08:10
50412732004	4A	Water	09/09/25 09:55	09/16/25 08:10
50412732005	4B	Water	09/09/25 10:55	09/16/25 08:10
50412732006	2A	Water	09/09/25 11:45	09/16/25 08:10
50412732007	2B	Water	09/09/25 11:55	09/16/25 08:10
50412732008	8A	Water	09/09/25 12:45	09/16/25 08:10
50412732009	8B	Water	09/09/25 13:05	09/16/25 08:10
50412732010	9A	Water	09/09/25 14:10	09/16/25 08:10
50412732011	9B	Water	09/09/25 14:30	09/16/25 08:10

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SAMPLE ANALYTE COUNT

Project: L2556676
Pace Project No.: 50412732



Lab ID	Sample ID	Method	Analysts	Analytes Reported
50412732001	3A	EPA 9056	GLT	1
50412732002	3B	EPA 9056	GLT	1
50412732003	DUP001	EPA 9056	GLT	1
50412732004	4A	EPA 9056	GLT	1
50412732005	4B	EPA 9056	GLT	1
50412732006	2A	EPA 9056	GLT	1
50412732007	2B	EPA 9056	GLT	1
50412732008	8A	EPA 9056	GLT	1
50412732009	8B	EPA 9056	GLT	1
50412732010	9A	EPA 9056	GLT	1
50412732011	9B	EPA 9056	GLT	1

PASI-I = Pace Analytical Services - Indianapolis

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ANALYTICAL RESULTS

Project: L2556676
Pace Project No.: 50412732

Sample: 3A Lab ID: 50412732001 Collected: 09/09/25 08:40 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 07:56		

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ANALYTICAL RESULTS

Project: L2556676
Pace Project No.: 50412732

Sample: 3B Lab ID: 50412732002 Collected: 09/09/25 08:50 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 08:14		

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ANALYTICAL RESULTS

Project: L2556676
Pace Project No.: 50412732

Sample: DUP001 Lab ID: 50412732003 Collected: 09/09/25 08:45 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 08:32		

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ANALYTICAL RESULTS

Project: L2556676
Pace Project No.: 50412732

Sample: 4A Lab ID: 50412732004 Collected: 09/09/25 09:55 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 08:51		

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ANALYTICAL RESULTS

Project: L2556676
Pace Project No.: 50412732

Sample: 4B Lab ID: 50412732005 Collected: 09/09/25 10:55 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 09:09		

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ANALYTICAL RESULTS

Project: L2556676
Pace Project No.: 50412732

Sample: 2A Lab ID: 50412732006 Collected: 09/09/25 11:45 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 10:04		

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ANALYTICAL RESULTS

Project: L2556676
Pace Project No.: 50412732

Sample: 2B Lab ID: 50412732007 Collected: 09/09/25 11:55 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 10:22		

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ANALYTICAL RESULTS

Project: L2556676
Pace Project No.: 50412732

Sample: 8A Lab ID: 50412732008 Collected: 09/09/25 12:45 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 10:40		

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ANALYTICAL RESULTS

Project: L2556676
Pace Project No.: 50412732

Sample: 8B Lab ID: 50412732009 Collected: 09/09/25 13:05 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 11:35		

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ANALYTICAL RESULTS

Project: L2556676
Pace Project No.: 50412732

Sample: 9A Lab ID: 50412732010 Collected: 09/09/25 14:10 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 11:54		

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ANALYTICAL RESULTS

Project: L2556676
Pace Project No.: 50412732

Sample: 9B Lab ID: 50412732011 Collected: 09/09/25 14:30 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 12:12		

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QUALITY CONTROL DATA

Project:	L2556676				
Pace Project No.:	50412732				
QC Batch	863701	Analysis Method:	EPA 9056		
QC Batch Method:	EPA 9056	Analysis Description:	9056 Iodide by IC		
		Laboratory:	Pace Analytical Services - Indianapolis		
Associated Lab Samples:	50412732001, 50412732002, 50412732003, 50412732004, 50412732005, 50412732006, 50412732007, 50412732008, 50412732009, 50412732010, 50412732011				
METHOD BLANK:	3956596	Matrix:	Water		
Associated Lab Samples:	50412732001, 50412732002, 50412732003, 50412732004, 50412732005, 50412732006, 50412732007, 50412732008, 50412732009, 50412732010, 50412732011				

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	09/20/25 06:24	

LABORATORY CONTROL SAMPLE: 3956597						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	5.1	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3956598					3956599							
Parameter	Units	50412732008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Iodide	mg/L	ND	5	5	5.0	5.0	99	99	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: L2556676
Pace Project No.: 50412732

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2556676
Pace Project No.: 50412732

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50412732001	3A	EPA 9056	863701		
50412732002	3B	EPA 9056	863701		
50412732003	DUP001	EPA 9056	863701		
50412732004	4A	EPA 9056	863701		
50412732005	4B	EPA 9056	863701		
50412732006	2A	EPA 9056	863701		
50412732007	2B	EPA 9056	863701		
50412732008	8A	EPA 9056	863701		
50412732009	8B	EPA 9056	863701		
50412732010	9A	EPA 9056	863701		
50412732011	9B	EPA 9056	863701		



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WO#: 50412732



50412732

Subcontract Chain of Custody

Pace Analytical (Indianapolis, IN)
7726 Moller Road
Indianapolis, IN 46268

Pace Job Number

L2556676

Page 1

Client Information			Project Information		Regulatory Requirements/Report Limits			
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To: west.subreports@pacelabs.com Bill To: invoices@pacelabs.coupahost.com Phone: 508.439.5137 Email: Nichole.Hunt@pacelabs.com			Project Location: NY Project Manager: Nichole Hunt		State/Federal Program: Regulatory Criteria: NY-AWQS			
			Turnaround & Deliverables Information					
			Due Date: Deliverables:		Report to MDL			
Project Specific Requirements and/or Report Requirements								
Reference following Pace Job Number on final report/deliverables: L2556676 Report to include Method and/or Regulatory required batch QC								
Additional Comments: Need Data Package								
Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2556676-02	3A	09-09-25 08:40	WATER	Iodide EPA 9056			1
	L2556676-03	3B	09-09-25 08:50	WATER	Iodide EPA 9056			1
	L2556676-04	DUP001	09-09-25 08:45	WATER	Iodide EPA 9056			1
	L2556676-05	4A	09-09-25 09:55	WATER	Iodide EPA 9056			1
	L2556676-06	4B	09-09-25 10:55	WATER	Iodide EPA 9056			1
	L2556676-07	2A	09-09-25 11:45	WATER	Iodide EPA 9056			1
	L2556676-08	2B	09-09-25 11:55	WATER	Iodide EPA 9056			1
	L2556676-09	8A	09-09-25 12:45	WATER	Iodide EPA 9056	MS/MSD	MS;MSD	3
	L2556676-10	8B	09-09-25 13:05	WATER	Iodide EPA 9056			1
	L2556676-11	9A	09-09-25 14:10	WATER	Iodide EPA 9056			1
	L2556676-12	9B	09-09-25 14:30	WATER	Iodide EPA 9056			1
Relinquished By:			Date/Time:		Received By:		Date/Time:	
<i>Rhys C. Fisk</i>			9-15-25		Fedex			
Fedex			9-16-25 810		<i>M. Fisk</i>		9-16-25 810	
Form No: AL_subcoc								



SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents:

TRH 9-16-25 1410

1. **Thermometer:** 1 2 3 4 5 6 7 8 9 A B C D E F G H I

Cooler temp should be above freezing to 6°C

2A. **Cooler Temperature(s):** 0.7 / 0.7

(Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

2B. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes No

3. **Packing Material:** Bubble Bags Bubble Wrap None Other: _____

4. **Ice Type:** Wet Blue None

5. **Courier:** FedEx UPS Client Pace NOW Jett Other

6. **Custody Seal on Cooler/Box Present:** Yes No

(If yes) Seals Intact: Yes No Leave blank if no seals were present

All discrepancies will be written out in the comments section below.

	Yes	No	N/A
7. USDA Regulated Soils? (HI, ID, NY, WA, OR, CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)			/
8. Short Hold Time Analysis (48 hours or less)?			/
9. Time 5035A TC placed in Freezer or Short Holds To Lab:	Time: _____		
10. Rush TAT Requested (4 days or less):			/
11. Custody Signatures Present?	/		
12. Containers intact?	/		
13. Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	/		
14. All containers needing acid/base preservation have been pH <u>CHECKED?</u> Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO ₃ (<2) H ₂ SO ₄ (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form			/
15. Residual Chlorine Present (SVOC 625 Pest/PCB 608)			/
16. Residual Chlorine Present (Total/Amenable/Free Cyanide)			/
17. Headspace in VOA Vials (>6mm): See Container Count form for details			/
18. Trip Blank Present?			/
19. Trip Blank Custody Seals?			/
20. Extra labels on Terracore Vials? (soils only)			

Comments:

8.1

8

Sample Container Count

** Place a PINK dot on containers
that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only)	DG9H	VG9H	VOA VIAL HS (≥6mm)	VG9U	DG9U	VG9T	AMBER GLASS								PLASTIC								OTHER				Matrix	Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide ZnAc
			SBS							Red	Yellow	Green	Black																					
			DI																															
			R																															
1										AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit	NT2U					
2																																		
3																																		
4																																		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

Container Codes

Glass

DG9H	40mL HCl amber vial	BG1T	1L Na Thiosulfate clear glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1 liter unpres amber glass
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass
CG3F	250mL clear glass HCl, Field Filter.	AG3SF	250mL H2SO4 amb glass -field filtered
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

NT2U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe



September 25, 2025

Reports
Pace - West Borough
8 Walkup Drive
Westborough, MA 01581

RE: Project: L2556676
Pace Project No.: 70380003

Dear Reports:

Enclosed are the analytical results for sample(s) received by the laboratory on September 16, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Brianna Rivera".

Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures



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CERTIFICATIONS

Project: L2556676

Pace Project No.: 70380003

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Texas Certification #: T104704582

Florida Certification #: E871198

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SAMPLE SUMMARY

Project: L2556676

Pace Project No.: 70380003

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70380003001	3A	Water	09/09/25 08:40	09/16/25 06:00
70380003002	3B	Water	09/09/25 08:50	09/16/25 06:00
70380003003	DUP001	Water	09/09/25 08:45	09/16/25 06:00
70380003004	4A	Water	09/09/25 09:55	09/16/25 06:00
70380003005	4B	Water	09/09/25 10:55	09/16/25 06:00
70380003006	2A	Water	09/09/25 11:45	09/16/25 06:00
70380003007	2B	Water	09/09/25 11:55	09/16/25 06:00
70380003008	8A	Water	09/09/25 12:45	09/16/25 06:00
70380003009	8B	Water	09/09/25 13:05	09/16/25 06:00
70380003010	9A	Water	09/09/25 14:10	09/16/25 06:00
70380003011	9B	Water	09/09/25 14:30	09/16/25 06:00

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SAMPLE ANALYTE COUNT

Project: L2556676

Pace Project No.: 70380003

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70380003001	3A	SM 4500-S2 F-2011	CEA	1
70380003002	3B	SM 4500-S2 F-2011	CEA	1
70380003003	DUP001	SM 4500-S2 F-2011	CEA	1
70380003004	4A	SM 4500-S2 F-2011	CEA	1
70380003005	4B	SM 4500-S2 F-2011	CEA	1
70380003006	2A	SM 4500-S2 F-2011	CEA	1
70380003007	2B	SM 4500-S2 F-2011	CEA	1
70380003008	8A	SM 4500-S2 F-2011	CEA	1
70380003009	8B	SM 4500-S2 F-2011	CEA	1
70380003010	9A	SM 4500-S2 F-2011	CEA	1
70380003011	9B	SM 4500-S2 F-2011	CEA	1

PACE-MV = Pace Analytical Services - Melville

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PROJECT NARRATIVE

Project: L2556676

Pace Project No.: 70380003

Method: SM 4500-S2 F-2011

Description: 4500S2F W Sulfide Iodometric

Client: Pace Westborough

Date: September 25, 2025

General Information:

11 samples were analyzed for SM 4500-S2 F-2011 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- 2A (Lab ID: 70380003006)
- 2B (Lab ID: 70380003007)
- 3A (Lab ID: 70380003001)
- 3B (Lab ID: 70380003002)
- 4A (Lab ID: 70380003004)
- 4B (Lab ID: 70380003005)
- 8A (Lab ID: 70380003008)
- 8B (Lab ID: 70380003009)
- 9A (Lab ID: 70380003010)
- 9B (Lab ID: 70380003011)
- DUP001 (Lab ID: 70380003003)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: L2556676

Pace Project No.: 70380003

Sample: 3A Lab ID: 70380003001 Collected: 09/09/25 08:40 Received: 09/16/25 06:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/25/25 15:38		H1

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ANALYTICAL RESULTS

Project: L2556676

Pace Project No.: 70380003

Sample: 3B Lab ID: 70380003002 Collected: 09/09/25 08:50 Received: 09/16/25 06:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/25/25 15:39		H1

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ANALYTICAL RESULTS

Project: L2556676

Pace Project No.: 70380003

Sample: DUP001 Lab ID: 70380003003 Collected: 09/09/25 08:45 Received: 09/16/25 06:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/25/25 15:40		H1

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ANALYTICAL RESULTS

Project: L2556676

Pace Project No.: 70380003

Sample: 4A Lab ID: 70380003004 Collected: 09/09/25 09:55 Received: 09/16/25 06:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/25/25 15:41		H1

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ANALYTICAL RESULTS

Project: L2556676

Pace Project No.: 70380003

Sample: 4B Lab ID: 70380003005 Collected: 09/09/25 10:55 Received: 09/16/25 06:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/25/25 15:44		H1

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ANALYTICAL RESULTS

Project: L2556676

Pace Project No.: 70380003

Sample: 2A Lab ID: 70380003006 Collected: 09/09/25 11:45 Received: 09/16/25 06:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/25/25 15:45		H1

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ANALYTICAL RESULTS

Project: L2556676

Pace Project No.: 70380003

Sample: 2B Lab ID: 70380003007 Collected: 09/09/25 11:55 Received: 09/16/25 06:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/25/25 15:46		H1

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ANALYTICAL RESULTS

Project: L2556676

Pace Project No.: 70380003

Sample: 8A Lab ID: 70380003008 Collected: 09/09/25 12:45 Received: 09/16/25 06:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/25/25 15:47		H1

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ANALYTICAL RESULTS

Project: L2556676

Pace Project No.: 70380003

Sample: 8B Lab ID: 70380003009 Collected: 09/09/25 13:05 Received: 09/16/25 06:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/25/25 15:49		H1

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ANALYTICAL RESULTS

Project: L2556676

Pace Project No.: 70380003

Sample: 9A Lab ID: 70380003010 Collected: 09/09/25 14:10 Received: 09/16/25 06:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/25/25 15:50		H1

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ANALYTICAL RESULTS

Project: L2556676

Pace Project No.: 70380003

Sample: 9B Lab ID: 70380003011 Collected: 09/09/25 14:30 Received: 09/16/25 06:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/25/25 15:51		H1

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QUALITY CONTROL DATA

Project: L2556676

Pace Project No.: 70380003

QC Batch:	420481	Analysis Method:	SM 4500-S2 F-2011
QC Batch Method:	SM 4500-S2 F-2011	Analysis Description:	4500S2F W Sulfide Iodometric
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70380003001, 70380003002, 70380003003, 70380003004, 70380003005, 70380003006, 70380003007, 70380003008, 70380003009, 70380003010, 70380003011		

METHOD BLANK:	2237133	Matrix:	Water
Associated Lab Samples:	70380003001, 70380003002, 70380003003, 70380003004, 70380003005, 70380003006, 70380003007, 70380003008, 70380003009, 70380003010, 70380003011		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	0.20	0.20	09/25/25 15:31	

LABORATORY CONTROL SAMPLE & LCSD:		2237134	2237135							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20	

SAMPLE DUPLICATE: 2237342						
		70380003008	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Sulfide	mg/L	<0.20	<0.20		20	H1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: L2556676
Pace Project No.: 70380003

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2556676

Pace Project No.: 70380003

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70380003001	3A	SM 4500-S2 F-2011	420481		
70380003002	3B	SM 4500-S2 F-2011	420481		
70380003003	DUP001	SM 4500-S2 F-2011	420481		
70380003004	4A	SM 4500-S2 F-2011	420481		
70380003005	4B	SM 4500-S2 F-2011	420481		
70380003006	2A	SM 4500-S2 F-2011	420481		
70380003007	2B	SM 4500-S2 F-2011	420481		
70380003008	8A	SM 4500-S2 F-2011	420481		
70380003009	8B	SM 4500-S2 F-2011	420481		
70380003010	9A	SM 4500-S2 F-2011	420481		
70380003011	9B	SM 4500-S2 F-2011	420481		

REPORT OF LABORATORY ANALYSIS

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WO#: 70380003



70380003

Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2556676

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019
Report To: west.subreports@pacelabs.com
Bill To: invoices@pacelabs.coupaohost.com
Phone: 508.439.5137
Email: Nichole.Hunt@pacelabs.com

Project Information

Project Location: NY
Project Manager: Nichole Hunt

State/Federal Program:
Regulatory Criteria: NY-AWQS

Turnaround & Deliverables Information

Due Date:
Deliverables:

Report to MDL

Regulatory Requirements/Report Limits

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2556676 Report to include Method and/or Regulatory required batch QC

Additional Comments: Need Data Package

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2556676-02	3A	09-09-25 08:40	WATER	Sulfide			1
	L2556676-03	3B	09-09-25 08:50	WATER	Sulfide			1
	L2556676-04	DUP001	09-09-25 08:45	WATER	Sulfide			1
	L2556676-05	4A	09-09-25 09:55	WATER	Sulfide			1
	L2556676-06	4B	09-09-25 10:55	WATER	Sulfide			1
	L2556676-07	2A	09-09-25 11:45	WATER	Sulfide			1
	L2556676-08	2B	09-09-25 11:55	WATER	Sulfide			3
	L2556676-09	8A	09-09-25 12:45	WATER	Sulfide	MS/MSD	MS/MSD	1
	L2556676-10	8B	09-09-25 13:05	WATER	Sulfide			1
	L2556676-11	9A	09-09-25 14:10	WATER	Sulfide			1
	L2556676-12	9B	09-09-25 14:30	WATER	Sulfide			1
Relinquished By:			Date/Time:		Received By:		Date/Time:	
			9/15/25 1805		[Signature]		9/15 1805	
			9/15		[Signature]			
Form No: AL_subcoc			9/15 91625 loc		ABB Pace at 9/16/25 600			

Client: ALPHA

Profile #:

Use Point Number Spreadsheet

Multiday Project

Work ID: L256616

COC Page

Add SCLOGFD to first sample for field charge

of

[illegible]

Container Codes

	Glass	Plastic
VG9U	40mL unprps. clear vial	BP4U 125mL unprps amber glass
VG9C	vial	BP4U 250mL unreserved plastic
VG9H	40mL HCl clear vial	BP2U 250mL unreserved plastic
VG9S	40mL Sulfuric clear vial	BP1U 300mL unreserved plastic
VG9T	40mL Thiocyslate vial	BP4N 1L unreserved plastic
VG9V	40mL Citrate-Na Thiocyslate	BP3N 125mL HNO3 plastic
VG9W	40mL Arabe-Na Thiocyslate	BP3N 250mL HNO3 plastic
VG9P	40mL Arabe-Na Thiocyslate	BP2N 500mL HNO3 plastic
VG9A	Ascorbic/Malic Acid 40mL	BP3S 250mL H2SO4 plastic
DC6T	Na Thio 60mL Vial	BP2S 500mL H2SO4 plastic
DC6S	Ammonium Cl/Cu/SO4 40mL	BP3C NaOH 250mL bottle
CG1U	1L Unpres Jar (con Ed)	BP3T 250mL Tazria
WG9O	4oz clear soil jar	BP3S 250mL Ammonium Acetate
WG4Q	4oz clear soil jar	BP3R 250mL NH4SO4-NH4OH
		BP1Z 1L NaOH, Zn Acetate
		BP1N 1L HNO3 plastic
		BP1B Na Thiocyslate Amber Bottle

	Misc.
SP5T	120mL Coliform Na Thio
R	Tetracore Kill
W	20u Unreserved Jar
WGFL	20u Unreserved Jar
WGKU	80z Unreserved Jar
WGDU	16oz Unreserved Jar
ZPLC	Zillock Bag
TEOL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe
LLHG	Low Level Hg Bottles
RG1N	1L HNO3 Clear Glass

IOC	
1L unpreserved plastic	BBP1U
250mL HNO3 plastic	BBP3N*
250mL Sodium Hydroxide	BBP3C
500mL unpres amber glass	AGG2U
250mL unpreserved plastic	BBP3U

- Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	Oil
WP	Wipe
DW	Drinking Water

	SOC
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG8T	Na Thiosulfate 60mL vial
DG6M	Mono(Citric)/Na Thio 60mL
AG3U	250mL unperf amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	505.5 Chemical Bleach

Sender Initials

Additional Comments

WO#: 70380003

Client Name:

ALPHA

Project

PM: BDR

Due Date: 09/25/25

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

CLIENT: ALPHA

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No Temperature Blank Present: ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: TD11 Correction Factor: se.1 Samples on ice, cooling process has begun

Cooler Temperature(°C): 2.0 Cooler Temperature Corrected(°C): 2.1 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil ☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples originate from a foreign source including Hawaii and Puerto Rico? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: WU 4/16/25

	COMMENTS:
Chain of Custody Present: ☒ Yes ☐ No	1
Chain of Custody Filled Out: ☒ Yes ☐ No	2
Chain of Custody Relinquished: ☐ Yes ☐ No	3
Sampler Name & Signature on COC: ☒ Yes ☐ No ☐ N/A	4
Samples Arrived within Hold Time: ☒ Yes ☐ No	5
Short Hold Time Analysis (<72hr): ☐ Yes ☒ No	6
Rush Turn Around Time Requested: ☐ Yes ☒ No	7
Sufficient Volume: (Triple volume provided for MS/MSD) ☒ Yes ☐ No	8
Correct Containers Used: ☐ Yes ☐ No	9
-Pace Containers Used: ☒ Yes ☐ No	
Containers Intact: ☒ Yes ☐ No	10
Filtered volume received for Dissolved tests: ☐ Yes ☐ No ☒ N/A	11 Note: if sediment is visible in the dissolved container
Sample Labels match COC: ☒ Yes ☐ No	12
-Includes date/time/ID/Analysis Matrix: ☒ SI ☐ WT ☐ OIL ☐ OTHER	

Date and Initials of person checking preservation: WU 4/16/25

All containers needing preservation have been pH paper Lot # <u>231224</u>	13	☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, ☒ Yes ☐ No ☐ N/A NAOH>12 Cyanide)	Sample #	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water), Per Method, VOA pH is checked after analysis	Initial when completed:	Lot # of added preservative:
Samples checked for dechlorination: ☐ Yes ☐ No ☒ N/A	14	Date/Time preservative added:
KI starch test strips Lot #		
Residual chlorine strips Lot #	Positive for Res. Chlorine?	Y N
SM 4500 CN samples checked for sulf ☐ Yes ☐ No ☒ N/A	15	
Lead Acetate Strips Lot #	Positive for Sulfide?	Y N
Headspace in ALK Bottle (>6mm): ☐ Yes ☐ No ☒ N/A	16	
Headspace in VOA Vials (>6mm): ☐ Yes ☐ No ☒ N/A	17	
Trip Blank Present: ☐ Yes ☐ No ☒ N/A		
Trip Blank Custody Seals Present: ☐ Yes ☐ No ☒ N/A		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

Subcontracted Data

Laboratory Report

Report prepared for:

Nichole Hunt
Pace Analytical Services, LLC
8 Walkup Dr
Westborough, MA 01581 -1019
Email: Nichole.Hunt@pacelabs.com, west.subreports@pacelabs.com

Report prepared by:

Debbie S Robertson

Purchase Order:**For further assistance, contact:**

Debbie S Robertson
Report Production Coordinator
2323 Sycamore Dr
Knoxville, TN 37921
(865) 546-1335
debbierobertson@galbraith.com

Sample: L2557076 FIELD BLANK		Received: 2025-09-16			
Lab ID: 2025-W-6029					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.17 mg	2025-09-19

Sample: L2557076 5A		Received: 2025-09-16			
Lab ID: 2025-W-6030					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.95 mg	2025-09-19

Sample: L2557076 5B		Received: 2025-09-16			
Lab ID: 2025-W-6031					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.42 mg	2025-09-19

Sample: L2557076 6A		Received: 2025-09-16			
Lab ID: 2025-W-6032					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.44 mg	2025-09-19

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Reported results are only applicable to the item tested.

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Sample: L2557076 6B		Received: 2025-09-16			
Lab ID: 2025-W-6033					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	204.66 mg	2025-09-19

Sample: L2557076 7A		Received: 2025-09-16			
Lab ID: 2025-W-6034					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	204.44 mg	2025-09-19

Sample: L2557076 7B		Received: 2025-09-16			
Lab ID: 2025-W-6035					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	204.54 mg	2025-09-19

Sample: L2557076 10A		Received: 2025-09-16			
Lab ID: 2025-W-6036					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.85 mg	2025-09-19

Sample: L2557076 10B		Received: 2025-09-16			
Lab ID: 2025-W-6037					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.46 mg	2025-09-19

Signatures:

Published By: Debbie.S.Robertson
Created By: Debbie.S.Robertson

2025-09-22T16:49:27.76-04:00
2025-09-22T16:49:10.63-04:00

- Physical signatures are on file.
- "Published By" signature indicates authorized release of data.



September 23, 2025

Nicole Hunt
Pace
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2557076
Pace Project No.: 50412687

Dear Nicole Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on September 16, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Tina Sayer".

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Pace MA, Pace Analytical Westborough



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: L2557076
Pace Project No.: 50412687

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Indiana Drinking Water Laboratory #: C-49-06
Kentucky UST Agency Interest #: 80226
Louisiana Certification #: 04076
Oklahoma Laboratory #: 9204
Washington Dept of Ecology #: C1081
USDA Foreign Soil Permit #: 525-23-13-23119

Illinois Accreditation #: 200074
Kansas/TNI Certification #: E-10177
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Texas Certification #: T104704355
Wisconsin Laboratory #: 999788130
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: L2557076
Pace Project No.: 50412687

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50412687001	FIELD BLANK	Water	09/10/25 11:40	09/16/25 08:10
50412687002	5A	Water	09/10/25 12:20	09/16/25 08:10
50412687003	5B	Water	09/10/25 12:20	09/16/25 08:10
50412687004	6A	Water	09/10/25 08:00	09/16/25 08:10
50412687005	6B	Water	09/10/25 08:25	09/16/25 08:10
50412687006	7A	Water	09/10/25 09:40	09/16/25 08:10
50412687007	7B	Water	09/10/25 09:35	09/16/25 08:10
50412687008	10A	Water	09/10/25 11:05	09/16/25 08:10
50412687009	10B	Water	09/10/25 10:55	09/16/25 08:10

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SAMPLE ANALYTE COUNT

Project: L2557076
Pace Project No.: 50412687



Lab ID	Sample ID	Method	Analysts	Analytes Reported
50412687001	FIELD BLANK	EPA 9056	GLT	1
50412687002	5A	EPA 9056	GLT	1
50412687003	5B	EPA 9056	GLT	1
50412687004	6A	EPA 9056	GLT	1
50412687005	6B	EPA 9056	GLT	1
50412687006	7A	EPA 9056	GLT	1
50412687007	7B	EPA 9056	GLT	1
50412687008	10A	EPA 9056	GLT	1
50412687009	10B	EPA 9056	GLT	1

PASI-I = Pace Analytical Services - Indianapolis

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ANALYTICAL RESULTS

Project: L2557076
Pace Project No.: 50412687

Sample: FIELD BLANK Lab ID: 50412687001 Collected: 09/10/25 11:40 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 03:58		



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ANALYTICAL RESULTS

Project: L2557076
Pace Project No.: 50412687

Sample: 5A Lab ID: 50412687002 Collected: 09/10/25 12:20 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 04:16		

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ANALYTICAL RESULTS

Project: L2557076
Pace Project No.: 50412687

Sample: 5B Lab ID: 50412687003 Collected: 09/10/25 12:20 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 04:35		

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ANALYTICAL RESULTS

Project: L2557076
Pace Project No.: 50412687

Sample: 6A Lab ID: 50412687004 Collected: 09/10/25 08:00 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 04:53		

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ANALYTICAL RESULTS

Project: L2557076
Pace Project No.: 50412687

Sample: 6B Lab ID: 50412687005 Collected: 09/10/25 08:25 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 05:11		

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ANALYTICAL RESULTS

Project: L2557076
Pace Project No.: 50412687

Sample: 7A Lab ID: 50412687006 Collected: 09/10/25 09:40 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 05:29		

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ANALYTICAL RESULTS

Project: L2557076
Pace Project No.: 50412687

Sample: 7B Lab ID: 50412687007 Collected: 09/10/25 09:35 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 07:01		

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ANALYTICAL RESULTS

Project: L2557076
Pace Project No.: 50412687

Sample: 10A Lab ID: 50412687008 Collected: 09/10/25 11:05 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 07:19		



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ANALYTICAL RESULTS

Project: L2557076
Pace Project No.: 50412687

Sample: 10B Lab ID: 50412687009 Collected: 09/10/25 10:55 Received: 09/16/25 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/20/25 07:37		

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Date: 09/23/2025 10:52 AM



QUALITY CONTROL DATA

Project:	L2557076		
Pace Project No.:	50412687		
QC Batch	863701	Analysis Method:	EPA 9056
QC Batch Method:	EPA 9056	Analysis Description:	9056 Iodide by IC
		Laboratory:	Pace Analytical Services - Indianapolis
Associated Lab Samples:	50412687001, 50412687002, 50412687003, 50412687004, 50412687005, 50412687006, 50412687007, 50412687008, 50412687009		
METHOD BLANK:	3956596	Matrix:	Water
Associated Lab Samples:	50412687001, 50412687002, 50412687003, 50412687004, 50412687005, 50412687006, 50412687007, 50412687008, 50412687009		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	09/20/25 06:24	

LABORATORY CONTROL SAMPLE: 3956597						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	5.1	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3956598					3956599							
Parameter	Units	50412732008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Iodide	mg/L	ND	5	5	5.0	5.0	99	99	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: L2557076
Pace Project No.: 50412687

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2557076
Pace Project No.: 50412687

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50412687001	FIELD BLANK	EPA 9056	863701		
50412687002	5A	EPA 9056	863701		
50412687003	5B	EPA 9056	863701		
50412687004	6A	EPA 9056	863701		
50412687005	6B	EPA 9056	863701		
50412687006	7A	EPA 9056	863701		
50412687007	7B	EPA 9056	863701		
50412687008	10A	EPA 9056	863701		
50412687009	10B	EPA 9056	863701		



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WO# : 50412687



50412687

		Subcontract Chain of Custody Pace Analytical (Indianapolis, IN) 7726 Moller Road Indianapolis, IN 46268		Pace Job Number L2557076				
		Page 1						
Client Information		Project Information		Regulatory Requirements/Report Limits				
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To: west.subreports@pacelabs.com Bill To: invoices@pacelabs.coupahost.com Phone: 508.439.5137 Email: Nichole.Hunt@pacelabs.com		Project Location: NY Project Manager: Nichole Hunt		State/Federal Program: Regulatory Criteria: Report to MDL				
		Turnaround & Deliverables Information Due Date: Deliverables:						
Project Specific Requirements and/or Report Requirements								
Reference following Pace Job Number on final report/deliverables: L2557076 Report to include Method and/or Regulatory required batch QC								
Additional Comments: Need Data Package								
Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2557076-02	FIELD BLANK	09-10-25 11:40	WATER	Iodide EPA 9056			1
	L2557076-03	5A	09-10-25 12:20	WATER	Iodide EPA 9056			1
	L2557076-04	5B	09-10-25 12:20	WATER	Iodide EPA 9056			1
	L2557076-05	6A	09-10-25 08:00	WATER	Iodide EPA 9056			1
	L2557076-06	6B	09-10-25 08:25	WATER	Iodide EPA 9056			1
	L2557076-07	7A	09-10-25 09:40	WATER	Iodide EPA 9056			1
	L2557076-08	7B	09-10-25 09:35	WATER	Iodide EPA 9056			1
	L2557076-09	10A	09-10-25 11:05	WATER	Iodide EPA 9056			1
	L2557076-10	10B	09-10-25 10:55	WATER	Iodide EPA 9056			1
			Relinquished By:		Date/Time:	Received By:		Date/Time:
			 FedEx		9-15-25	 FedEx		9-16-25 910
					9-16-25 810			
Form No: AL_subcoc								



SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents:

TRH 9-16-25 1410

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E F G H I

Cooler temp should be above freezing to 6°C

2A. Cooler Temperature(s): 0.7 / 0.7

(Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

2B. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes No

3. Packing Material: Bubble Bags Bubble Wrap None Other:

4. Ice Type: Wet Blue None

5. Courier: FedEx UPS Client Pace NOW Jett Other

6. Custody Seal on Cooler/Box Present: Yes No
(If yes)Seals Intact: Yes No Leave blank if no seals were present

All discrepancies will be written out in the comments section below.

	Yes	No	N/A
7. USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)			/
8. Short Hold Time Analysis (48 hours or less)?:			/
9. Time 5035A TC placed in Freezer or Short Holds To Lab:	Time:		
10. Rush TAT Requested (4 days or less):			/
11. Custody Signatures Present?	/		
12. Containers intact?	/		
13. Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	/		
14. All containers needing acid/base preservation have been pH CHECKED?: Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form			/
15. Residual Chlorine Present (SVOC 625 Pest/PCB 608)			/
16. Residual Chlorine Present (Total/Amenable/Free Cyanide)			/
17. Headspace in VOA Vials (>6mm): See Containter Count form for details			/
18. Trip Blank Present?			/
19. Trip Blank Custody Seals?:			/
20. Extra labels on Terracore Vials? (soils only)			

Comments:

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

COC Line Item	WGFI	WGKU	BG1U	MeOH (only)	DG9H	VG9H	VOA VIAL: HS (≥6mm)	VG9U	DG9U	VG9T	AMBER GLASS							PLASTIC										OTHER				Matrix	Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				SBS							AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit	Red	Yellow						Green	Black																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Container Codes

Glass

DG9H	40mL HCl amber vial	BG1T	1L Na Thiosulfate clear glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
WGFI	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
JGFI	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amb glass
CG3F	250mL clear glass HCl, Field Filter.	AG3SF	250mL H2SO4 amb glass -field filtered
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

NT2U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic
Miscellaneous	
Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe



September 23, 2025

Reports
Pace - West Borough
8 Walkup Drive
Westborough, MA 01581

RE: Project: L2557076
Pace Project No.: 70380000

Dear Reports:

Enclosed are the analytical results for sample(s) received by the laboratory on September 16, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: L2557076

Pace Project No.: 70380000

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Texas Certification #: T104704582

Florida Certification #: E871198

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: L2557076

Pace Project No.: 70380000

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70380000001	FIELD BLANK	Drinking Water	09/10/25 11:40	09/16/25 06:00
70380000002	5A	Drinking Water	09/10/25 12:20	09/16/25 06:00
70380000003	5B	Drinking Water	09/10/25 12:20	09/16/25 06:00
70380000004	6A	Drinking Water	09/10/25 08:00	09/16/25 06:00
70380000005	6B	Drinking Water	09/10/25 08:25	09/16/25 06:00
70380000006	7A	Drinking Water	09/10/25 09:40	09/16/25 06:00
70380000007	7B	Drinking Water	09/10/25 09:35	09/16/25 06:00
70380000008	10A	Drinking Water	09/10/25 11:05	09/16/25 06:00
70380000009	10B	Drinking Water	09/10/25 10:55	09/16/25 06:00

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SAMPLE ANALYTE COUNT

Project: L2557076
Pace Project No.: 70380000

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70380000001	FIELD BLANK	SM 4500-S2 F-2011	CEA	1
70380000002	5A	SM 4500-S2 F-2011	CEA	1
70380000003	5B	SM 4500-S2 F-2011	CEA	1
70380000004	6A	SM 4500-S2 F-2011	CEA	1
70380000005	6B	SM 4500-S2 F-2011	CEA	1
70380000006	7A	SM 4500-S2 F-2011	CEA	1
70380000007	7B	SM 4500-S2 F-2011	CEA	1
70380000008	10A	SM 4500-S2 F-2011	CEA	1
70380000009	10B	SM 4500-S2 F-2011	CEA	1

PACE-MV = Pace Analytical Services - Melville

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PROJECT NARRATIVE

Project: L2557076
Pace Project No.: 70380000

Method: SM 4500-S2 F-2011
Description: 4500S2F W Sulfide Iodometric
Client: Pace Westborough
Date: September 23, 2025

General Information:

9 samples were analyzed for SM 4500-S2 F-2011 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- 10A (Lab ID: 703800000008)
- 10B (Lab ID: 703800000009)
- 5A (Lab ID: 703800000002)
- 5B (Lab ID: 703800000003)
- 6A (Lab ID: 703800000004)
- 6B (Lab ID: 703800000005)
- 7A (Lab ID: 703800000006)
- 7B (Lab ID: 703800000007)
- FIELD BLANK (Lab ID: 703800000001)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L2557076

Pace Project No.: 70380000

Sample: FIELD BLANK Lab ID: 70380000001 Collected: 09/10/25 11:40 Received: 09/16/25 06:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/23/25 10:38		H1

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ANALYTICAL RESULTS

Project: L2557076

Pace Project No.: 70380000

Sample: 5A Lab ID: 70380000002 Collected: 09/10/25 12:20 Received: 09/16/25 06:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/23/25 10:43		H1

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ANALYTICAL RESULTS

Project: L2557076

Pace Project No.: 70380000

Sample: 5B Lab ID: 70380000003 Collected: 09/10/25 12:20 Received: 09/16/25 06:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/23/25 10:47		H1

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ANALYTICAL RESULTS

Project: L2557076
Pace Project No.: 70380000

Sample: 6A Lab ID: 70380000004 Collected: 09/10/25 08:00 Received: 09/16/25 06:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/23/25 10:50		H1

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ANALYTICAL RESULTS

Project: L2557076

Pace Project No.: 70380000

Sample: 6B Lab ID: 70380000005 Collected: 09/10/25 08:25 Received: 09/16/25 06:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/23/25 10:55		H1

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ANALYTICAL RESULTS

Project: L2557076

Pace Project No.: 70380000

Sample: 7A Lab ID: 70380000006 Collected: 09/10/25 09:40 Received: 09/16/25 06:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/23/25 10:59		H1

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ANALYTICAL RESULTS

Project: L2557076

Pace Project No.: 70380000

Sample: 7B Lab ID: 70380000007 Collected: 09/10/25 09:35 Received: 09/16/25 06:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/23/25 11:06		H1

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ANALYTICAL RESULTS

Project: L2557076

Pace Project No.: 70380000

Sample: 10A Lab ID: 70380000008 Collected: 09/10/25 11:05 Received: 09/16/25 06:00 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	0.20	0.20	1		09/23/25 11:10		H1

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ANALYTICAL RESULTS

Project: L2557076
Pace Project No.: 70380000

Sample: 10B		Lab ID: 70380000009		Collected: 09/10/25 10:55		Received: 09/16/25 06:00		Matrix: Drinking Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	0.20	0.20	1		09/23/25 11:16		H1

REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA

Project: L2557076

Pace Project No.: 70380000

QC Batch:	420053	Analysis Method:	SM 4500-S2 F-2011
QC Batch Method:	SM 4500-S2 F-2011	Analysis Description:	4500S2F W Sulfide Iodometric
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70380000001, 70380000002, 70380000003, 70380000004, 70380000005, 70380000006, 70380000007, 70380000008, 70380000009		

METHOD BLANK:	2234044	Matrix:	Water
Associated Lab Samples:	70380000001, 70380000002, 70380000003, 70380000004, 70380000005, 70380000006, 70380000007, 70380000008, 70380000009		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	0.20	0.20	09/23/25 10:27	

LABORATORY CONTROL SAMPLE & LCSD:		2234045	2234046							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	12.4	13.6	88	97	85-115	9	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: L2557076
Pace Project No.: 70380000

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2557076

Pace Project No.: 70380000

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70380000001	FIELD BLANK	SM 4500-S2 F-2011	420053		
70380000002	5A	SM 4500-S2 F-2011	420053		
70380000003	5B	SM 4500-S2 F-2011	420053		
70380000004	6A	SM 4500-S2 F-2011	420053		
70380000005	6B	SM 4500-S2 F-2011	420053		
70380000006	7A	SM 4500-S2 F-2011	420053		
70380000007	7B	SM 4500-S2 F-2011	420053		
70380000008	10A	SM 4500-S2 F-2011	420053		
70380000009	10B	SM 4500-S2 F-2011	420053		

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WO#: 70380000



Pace Job Number
L2557076

Page 1

Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019
Report To: west.subreports@pacelabs.com
Bill To: invoices@pacelabs.coupanhost.com
Phone: 508.439.5137
Email: Nichole.Hunt@pacelabs.com

Project Information

Project Location: NY
Project Manager: Nichole Hunt

Turnaround & Deliverables Information

Due Date:
Deliverables:

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2557076 Report to include Method and/or Regulatory required batch QC

Additional Comments: Need Data Package

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2557076-02	FIELD BLANK	09-10-25 11:40	WATER	Sulfide			1
	L2557076-03	5A	09-10-25 12:20	WATER	Sulfide			1
	L2557076-04	5B	09-10-25 12:20	WATER	Sulfide			1
	L2557076-05	6A	09-10-25 08:00	WATER	Sulfide			1
	L2557076-06	6B	09-10-25 08:25	WATER	Sulfide			1
	L2557076-07	7A	09-10-25 09:40	WATER	Sulfide			1
	L2557076-08	7B	09-10-25 09:35	WATER	Sulfide			1
	L2557076-09	10A	09-10-25 11:05	WATER	Sulfide			1
	L2557076-10	10B	09-10-25 10:55	WATER	Sulfide			1
			Relinquished By:		Date/Time:	Received By:	Date/Time:	
					9/15/25 1805		9/15	9/15 1805
					9/15			
						ABB Pace LT	9/16/25	600
Form No: AL_subcoc								

WO#: 70380000

Client Name:

ALPHA

Project

PM: BDR

Due Date: 09/19/25

CLIENT: ALPHA

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☒ Yes ☐ No Temperature Blank Present: ☐ Yes ☒ No
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: TH21 Correction Factor: +0.1 Samples on ice cooling process has begun
Cooler Temperature (°C): 2.0 Cooler Temperature Corrected (°C): 2.1 Date/Time 5035A kits placed in freezer _____
Temp should be above freezing to 6 °C

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States AL AR CA FL GA ID LA MS NC NM NY OK OR SC TN TX or
VA (check map)? ☐ Yes ☐ No

Did samples originate from a foreign source including Hawaii and Puerto Rico? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.
Date and Initials of person examining contents: MUG/10/25

		COMMENTS:
Chain of Custody Present	☒ Yes ☐ No	1
Chain of Custody Filled Out	☒ Yes ☐ No	2
Chain of Custody Relinquished	☒ Yes ☐ No	3
Sampler Name & Signature on COC	☒ Yes ☐ No ☐ N/A	4
Samples Arrived within Hold Time	☒ Yes ☐ No	5
Short Hold Time Analysis (<72hr):	☒ Yes ☐ No	6
Rush Turn Around Time Requested:	☐ Yes ☒ No	7
Sufficient Volume (Triple volume provided for MS/MSD)	☒ Yes ☐ No	8
Correct Containers Used	☒ Yes ☐ No	9
-Pace Containers Used	☒ Yes ☐ No	
Containers Intact	☒ Yes ☐ No	10
Filtered volume received for Dissolved tests	☐ Yes ☒ No ☐ N/A	11 Note if sediment is visible in the dissolved container
Sample Labels match COC	☒ Yes ☐ No	12
-Includes date/time/ID/Analysis Matrix	☒ SI ☐ WT ☐ OIL ☐ OTHER	

Date and Initials of person checking preservation: MUG/10/25

All containers needing preservation have been	☒ Yes ☐ No ☐ N/A	13	☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # <u>23127A</u>			Sample #
All containers needing preservation are found to be in compliance with method recommendation?	☒ Yes ☐ No ☐ N/A		
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NAOH > 12 Cyanide)			
Exceptions VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water)			
Per Method VOA pH is checked after analysis			
Samples checked for dechlorination	☐ Yes ☒ No ☐ N/A	14	
KI starch test strips Lot #			Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #			
SM 4500 CN samples checked for sulf	☐ Yes ☒ No ☐ N/A	15	Positive for Sulfide? Y N
Lead Acetate Strips Lot #			
Headspace in ALK Bottle (>6mm)	☐ Yes ☒ No ☐ N/A	16	
Headspace in VOA Vials (>6mm)	☐ Yes ☒ No ☐ N/A	17	
Trip Blank Present:	☐ Yes ☒ No ☐ N/A		
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS